

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
 Data File : BF119420.D
 Acq On : 18 Mar 2020 17:34
 Operator : CG/JU
 Sample : L1949-04MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Manual Integrations
 APPROVED

mohammad
 3/19/2020 2:43:59 PM

Quant Time: Mar 19 11:09:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	329740	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1277509	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	636975	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1147899	20.00	ng	0.00
76) Chrysene-d12	14.03	240	652794	20.00	ng	0.00
87) Perylene-d12	15.50	264	626567	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2190861	105.77	ng	0.02
7) Phenol-d6	6.48	99	2834754	107.13	ng	0.00
23) Nitrobenzene-d5	7.42	82	1762699	74.99	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	701597	106.76	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3088671	71.84	ng	0.00
79) Terphenyl-d14	12.98	244	2857982	85.78	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.70	88	371140	36.279	ng	100
3) Pyridine	3.44	79	904650	32.098	ng	99
4) n-Nitrosodimethylamine	3.39	42	566198	41.196	ng	97
6) Aniline	6.52	93	569468	15.594	ng	98
8) 2-Chlorophenol	6.64	128	977672	44.940	ng	99
9) Benzaldehyde	6.40	77	641012	38.188	ng	99
10) Phenol	6.49	94	1177641	41.711	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	937461	41.516	ng	99
12) 1,3-Dichlorobenzene	6.80	146	970308	41.210	ng	99
13) 1,4-Dichlorobenzene	6.87	146	967202	41.068	ng	98
14) 1,2-Dichlorobenzene	7.03	146	906143	41.163	ng	99
15) Benzyl Alcohol	6.99	79	844170	42.412	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1903077	41.783	ng	99
17) 2-Methylphenol	7.10	107	791100	39.689	ng	99
18) Hexachloroethane	7.37	117	378120	43.810	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	669505	41.978	ng	98
20) 3+4-Methylphenols	7.26	107	934970m	38.274	ng	
22) Acetophenone	7.26	105	1234652	40.446	ng	# 91
24) Nitrobenzene	7.44	77	1002202	39.895	ng	96
25) Isophorone	7.68	82	1860745	39.023	ng	97
26) 2-Nitrophenol	7.75	139	485584	49.093	ng	95
27) 2,4-Dimethylphenol	7.79	122	891165	43.573	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	1163909	41.279	ng	98
29) 2,4-Dichlorophenol	7.99	162	763297	40.618	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	829967	39.936	ng	99
31) Naphthalene	8.16	128	2644736	40.229	ng	99
32) Benzoic acid	7.90	122	579136	44.021	ng	99
33) 4-Chloroaniline	8.20	127	184843	6.136	ng	97
34) Hexachlorobutadiene	8.29	225	466608	40.128	ng	100
35) Caprolactam	8.57	113	228277m	37.117	ng	
36) 4-Chloro-3-methylphenol	8.69	107	829575	40.390	ng	96
37) 2-Methylnaphthalene	8.86	142	1791151	41.514	ng	99
38) 1-Methylnaphthalene	8.96	142	1663731	40.739	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	731876	39.200	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	823035	77.540	nq	98
43) 2,4,6-Trichlorophenol	9.13	196	565176	42.301	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	558739	37.331	nq	96
46) 1,1'-Biphenyl	9.32	154	2053837	39.589	nq	100
47) 2-Chloronaphthalene	9.35	162	1595571	39.264	nq	99
48) 2-Nitroaniline	9.44	65	574214	40.938	nq	100
49) Acenaphthylene	9.76	152	2553552	40.015	nq	99
50) Dimethylphthalate	9.63	163	2278370	50.357	nq	99
51) 2,6-Dinitrotoluene	9.68	165	413113	42.598	nq	98
52) Acenaphthene	9.94	154	1663334	41.810	nq	97
53) 3-Nitroaniline	9.85	138	162138	13.243	nq	99
54) 2,4-Dinitrophenol	9.95	184	322477	77.134	nq	91
55) Dibenzofuran	10.11	168	2250637	39.458	nq	100
56) 4-Nitrophenol	10.00	139	722498	74.804	nq	86
57) 2,4-Dinitrotoluene	10.09	165	536033	43.877	nq	91
58) Fluorene	10.45	166	1651115	39.145	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.22	232	464026	41.476	nq	99
60) Diethylphthalate	10.33	149	1852929	40.351	nq	100
61) 4-Chlorophenyl-phenylether	10.45	204	801331	38.850	nq	99
62) 4-Nitroaniline	10.46	138	396811	33.798	nq	98
63) Azobenzene	10.60	77	1847862	39.960	nq	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	231694	48.135	nq	94
66) n-Nitrosodiphenylamine	10.56	169	1544251	40.979	nq	99
67) 4-Bromophenyl-phenylether	10.93	248	512961	39.238	nq	97
68) Hexachlorobenzene	11.00	284	550281	41.127	nq	99
69) Atrazine	11.09	200	439117	42.505	nq	98
70) Pentachlorophenol	11.19	266	591536	75.399	nq	99
71) Phenanthrene	11.42	178	2341492	39.339	nq	100
72) Anthracene	11.47	178	2430671	40.180	nq	99
73) Carbazole	11.62	167	2217382	37.032	nq	99
74) Di-n-butylphthalate	11.96	149	2722773	42.508	nq	99
75) Fluoranthene	12.60	202	2424720	37.641	nq	99
77) Benzidine	12.72	184	725924	26.276	nq	98
78) Pyrene	12.83	202	2403943	44.871	nq	100
80) Butylbenzylphthalate	13.46	149	1022889	47.207	nq	95
81) Benzo(a)anthracene	14.02	228	1693091	39.884	nq	100
82) 3,3'-Dichlorobenzidine	13.98	252	372763	22.271	nq	97
83) Chrysene	14.06	228	1726329	39.405	nq	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	1236348	47.864	nq	99
85) Di-n-octyl phthalate	14.63	149	2066351	45.486	nq	100
86) Indeno(1,2,3-cd)pyrene	16.97	276	1877591	45.506	nq	100
88) Benzo(b)fluoranthene	15.07	252	1739353	41.557	nq	99
89) Benzo(k)fluoranthene	15.10	252	1461395	36.669	nq	100
90) Benzo(a)pyrene	15.44	252	1491722	39.218	nq	97
91) Dibenzo(a,h)anthracene	16.99	278	1537762	46.221	nq	99
92) Benzo(g,h,i)perylene	17.42	276	1636680	48.968	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

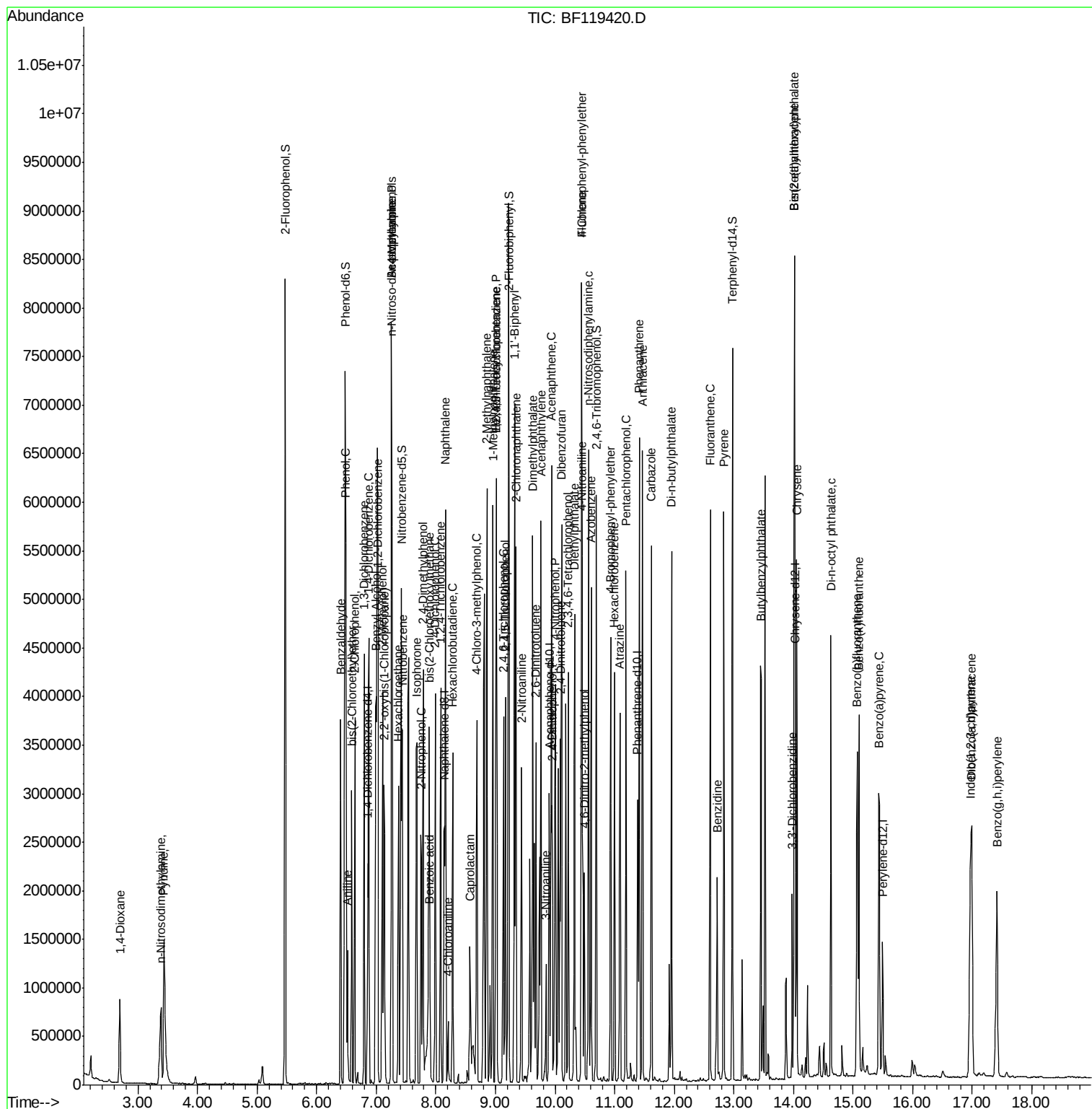
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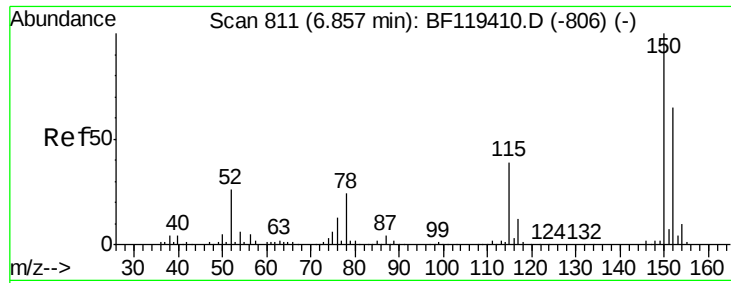
Instrument :
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#1

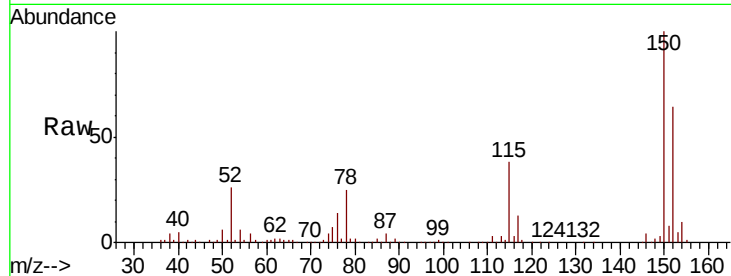
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	123.9	185.9
115	59.3	47.8	71.6

Manual Integrations
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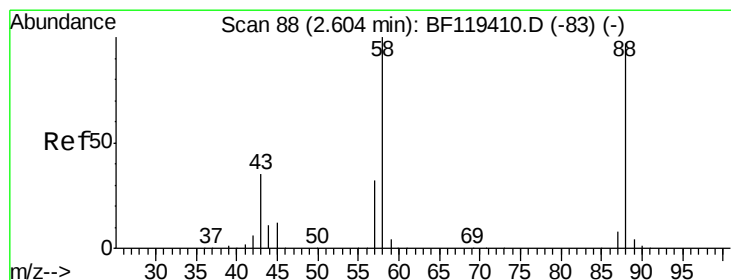
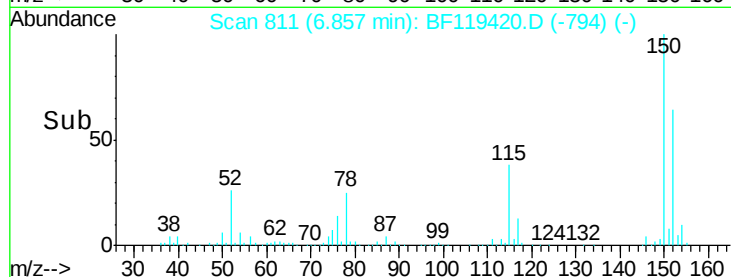
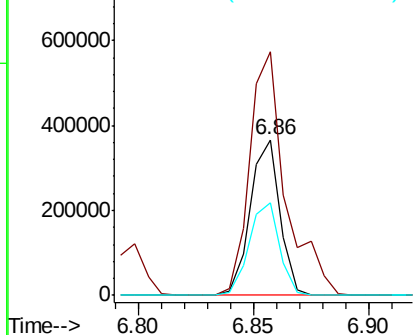


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

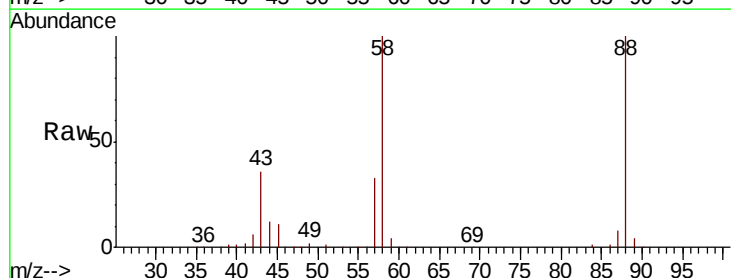
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 36.279 ng
RT: 2.70 min Scan# 104
Delta R.T. 0.09 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.7	79.4	119.2
43	35.6	28.4	42.6

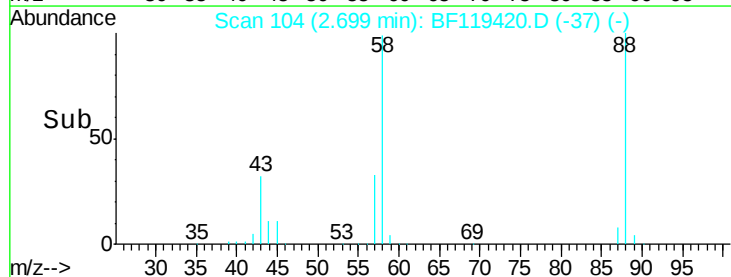
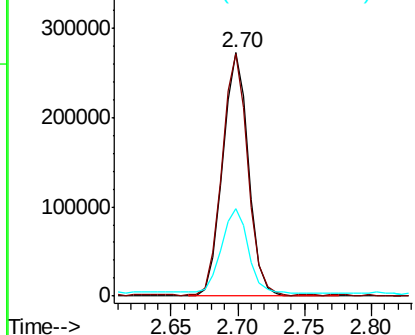


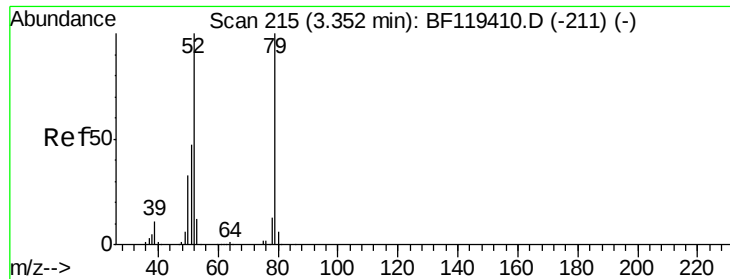
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





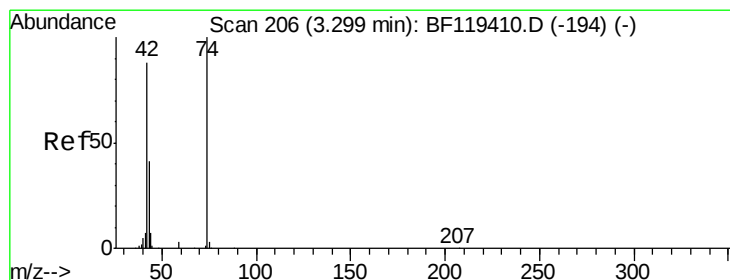
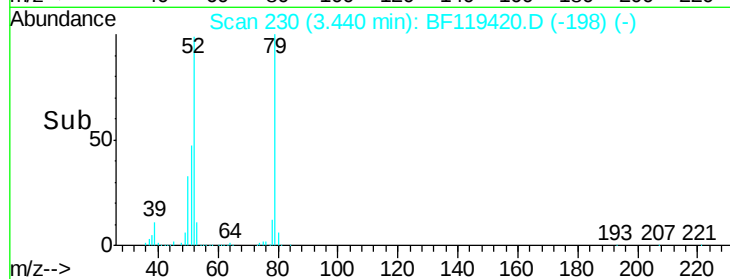
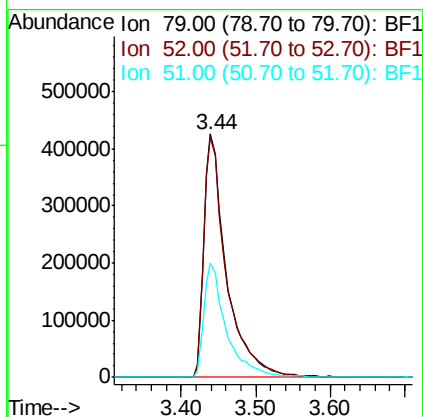
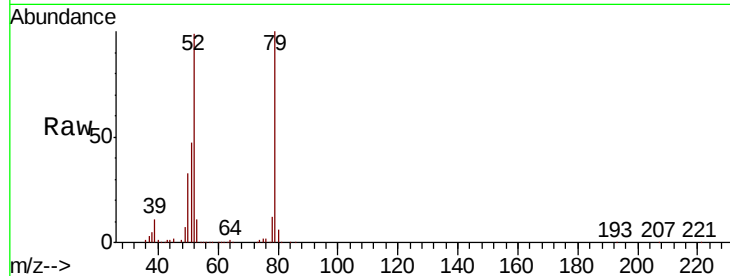
#3
 Pvridine
 Concen: 32.098 ng
 RT: 3.44 min Scan# 230
 Delta R.T. 0.09 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
79	100		
52	98.7	80.0	120.0
51	47.1	37.9	56.9

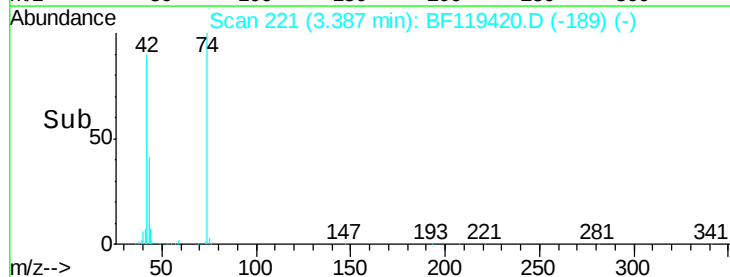
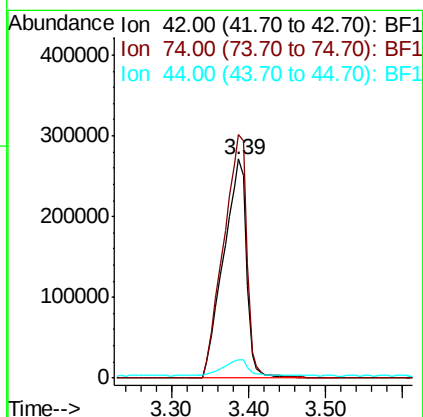
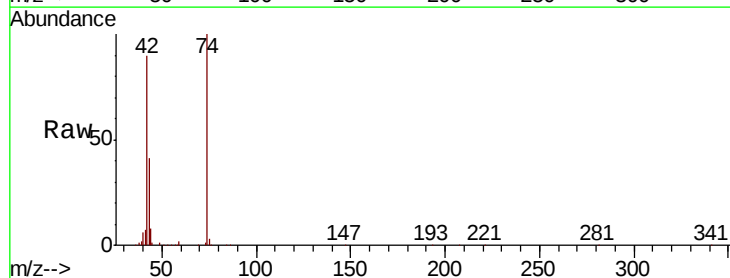
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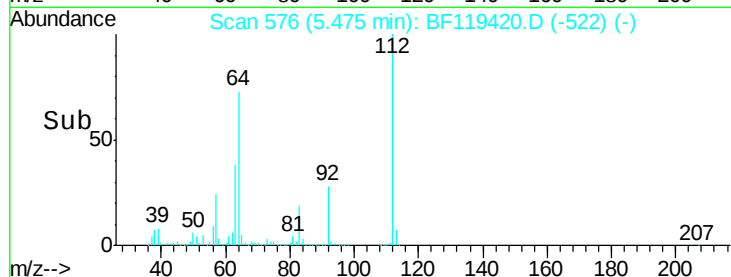
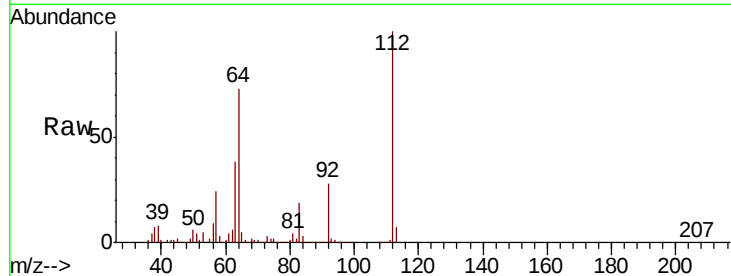
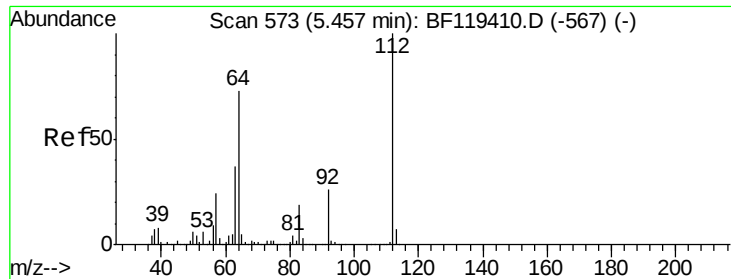
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#4
 n-Nitrosodimethylamine
 Concen: 41.196 ng
 RT: 3.39 min Scan# 221
 Delta R.T. 0.09 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	111.2	91.3	136.9
44	8.4	7.1	10.7





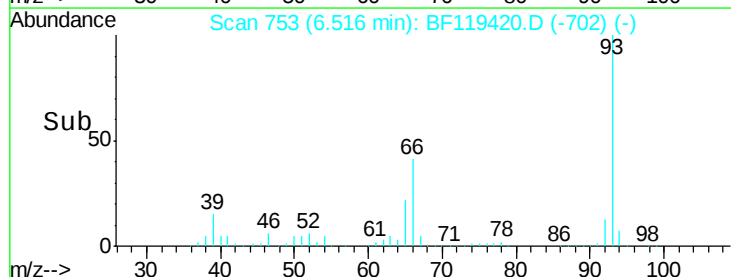
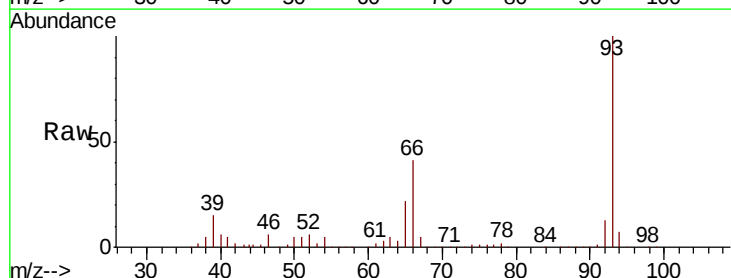
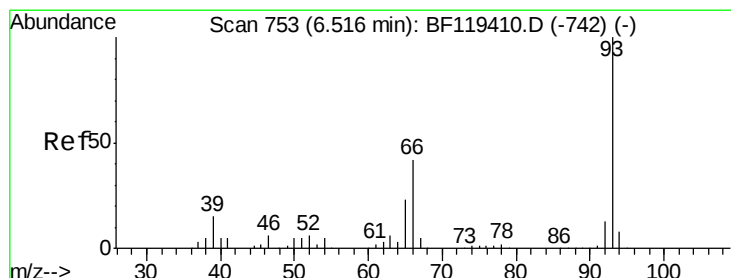
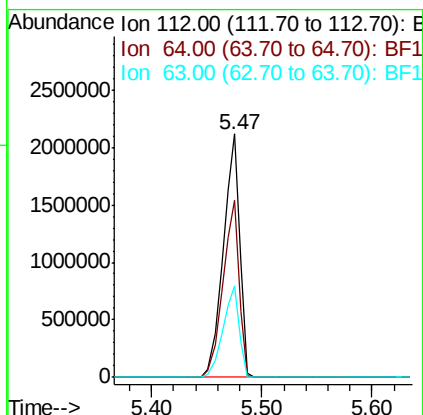
#5
2-Fluorophenol
Concen: 105.769 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tot Ion	Ratio	Resp	Lower	Upper
112	100	2190861		
64	72.7		58.1	87.1
63	37.7		29.7	44.5

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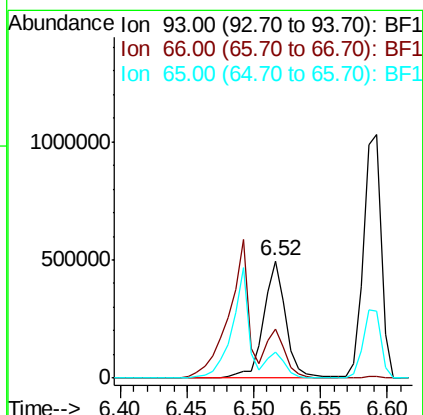
Manual Integrations
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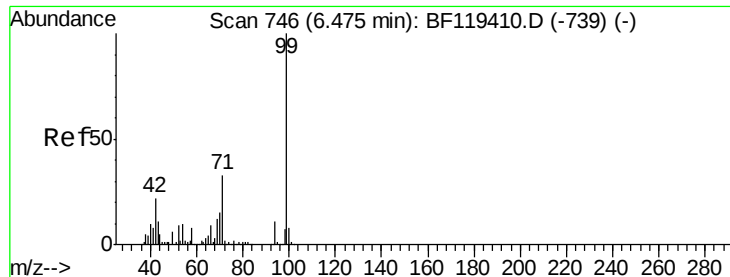
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#6
Aniline
Concen: 15.594 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	569468		
66	41.3		34.2	51.4
65	22.1		18.2	27.4





#7

Phenol-d6

Concen: 107.133 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion: 99 Resp: 2834754

Ion Ratio Lower Upper

99 100

42 22.5 17.8 26.6

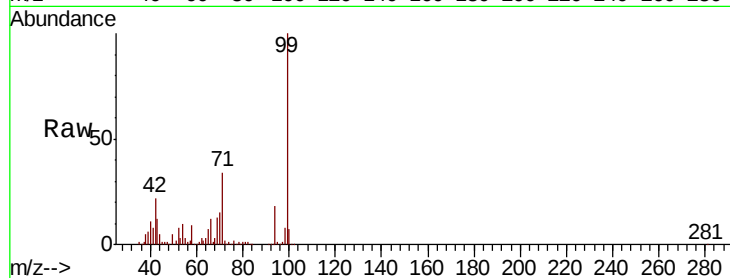
71 33.6 26.0 39.0

Manual Integrations

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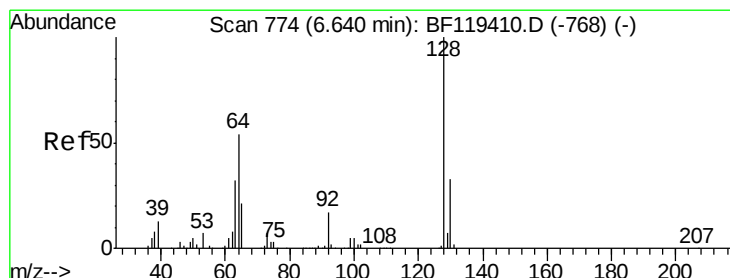
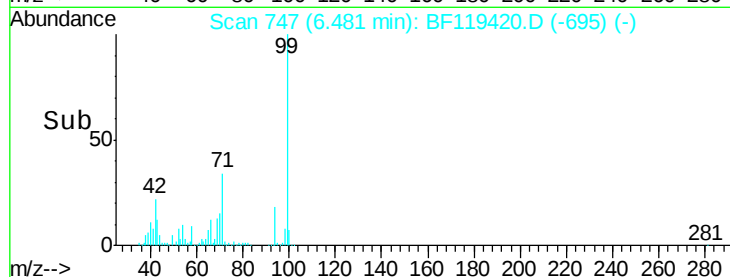
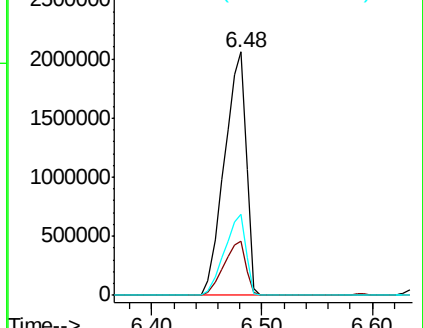
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.940 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

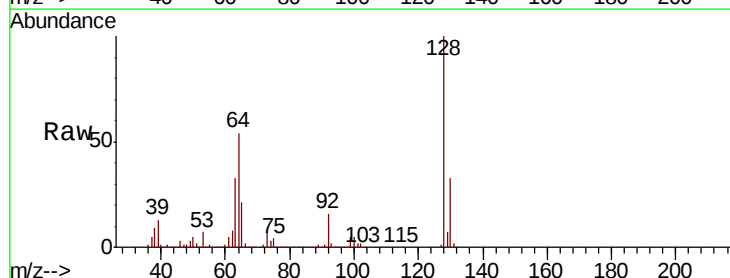
Tgt Ion:128 Resp: 977672

Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

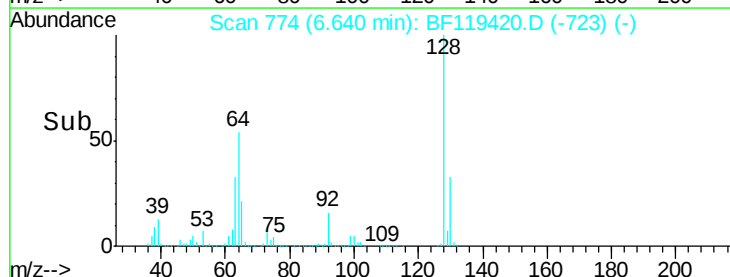
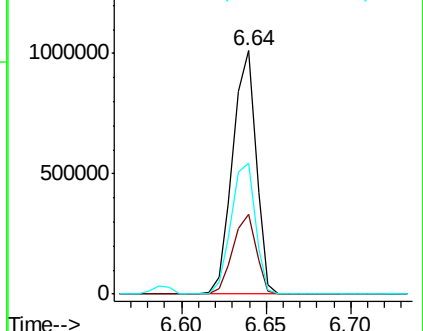
64 53.7 35.1 75.1

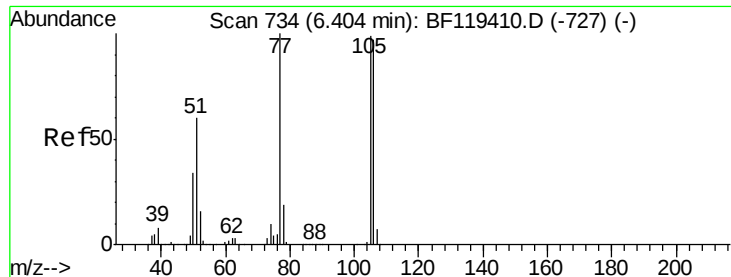


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 38.188 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

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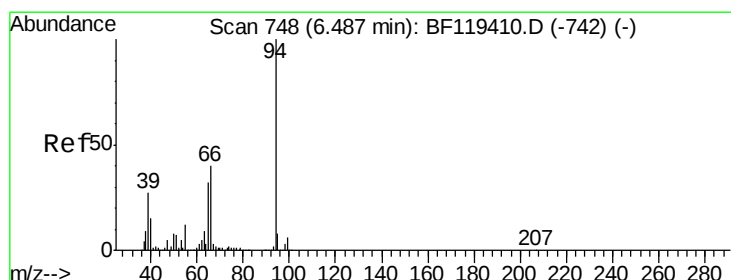
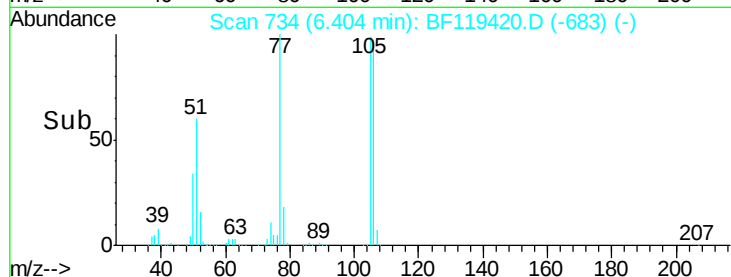
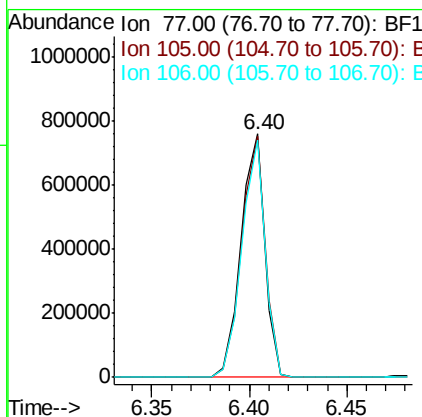
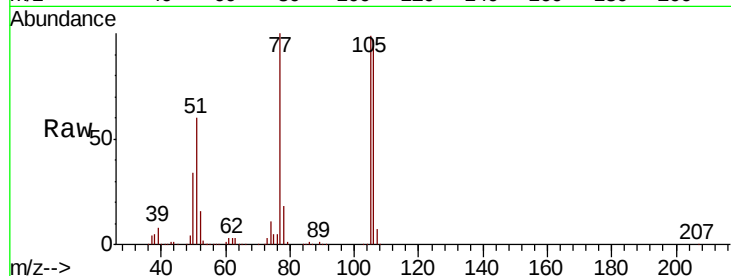
ClientSampleId :

VNJ-219MSD

Tot Ion	77	Resp	641012
Ion	Ratio	Lower	Upper
77	100		
105	99.1	78.6	118.6
106	97.3	76.5	116.5

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#10

Phenol

Concen: 41.711 ng

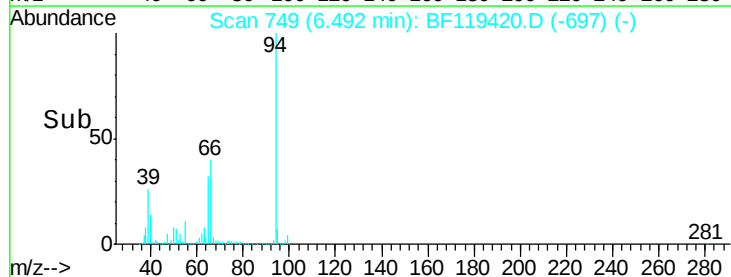
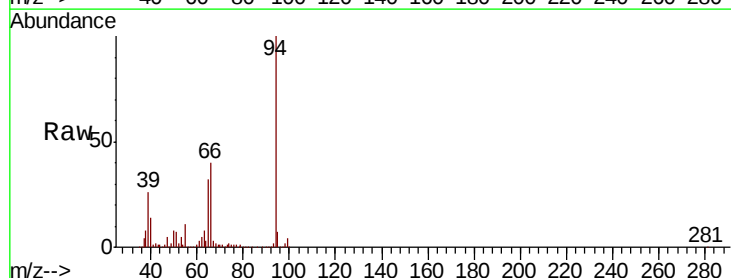
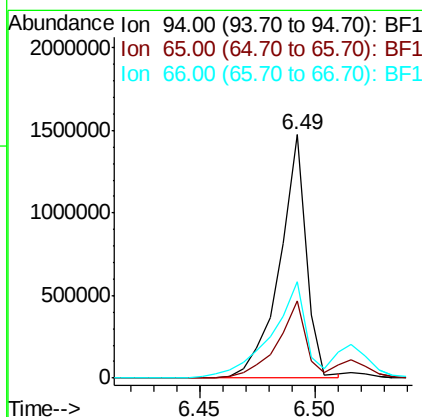
RT: 6.49 min Scan# 749

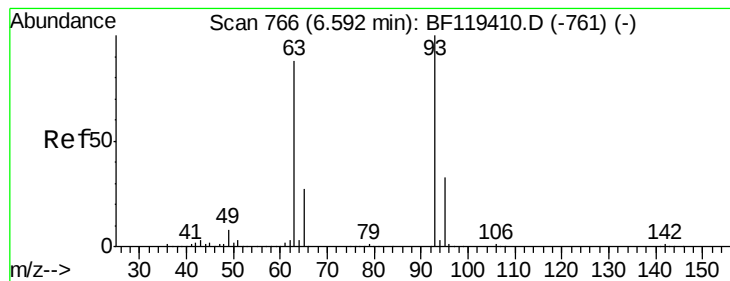
Delta R.T. 0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion	94	Resp	1177641
Ion	Ratio	Lower	Upper
94	100		
65	31.8	12.0	52.0
66	39.6	20.6	60.6





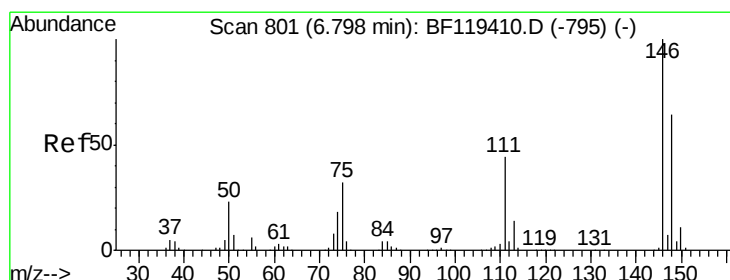
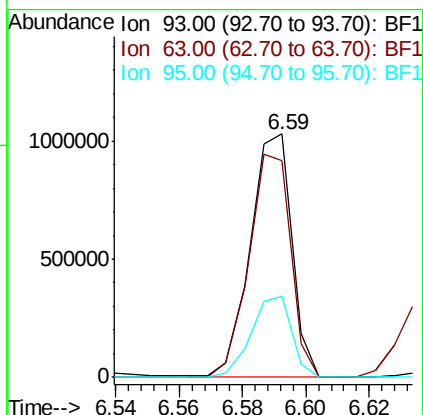
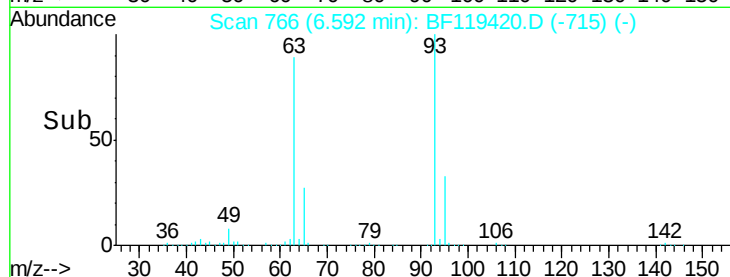
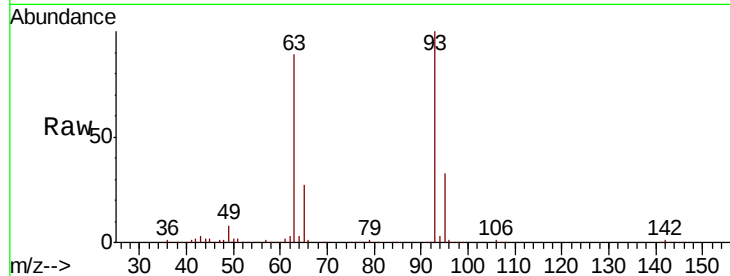
#11
bis(2-Chloroethyl)ether
Concen: 41.516 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.0	68.4	108.4
95	33.4	13.4	53.4

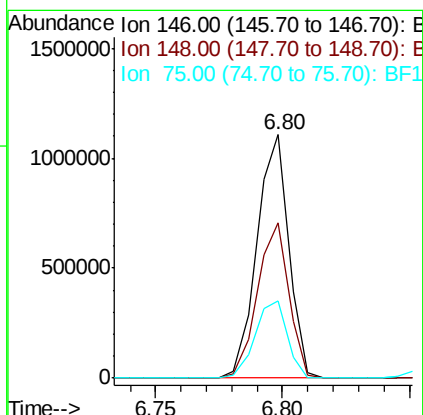
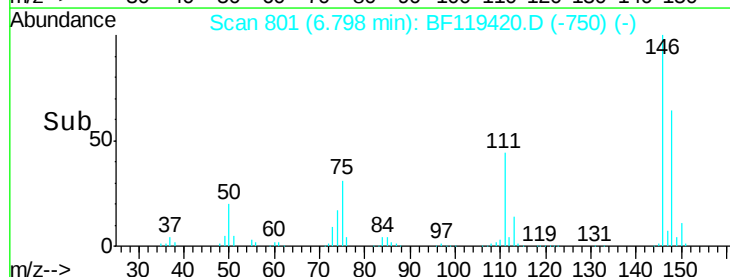
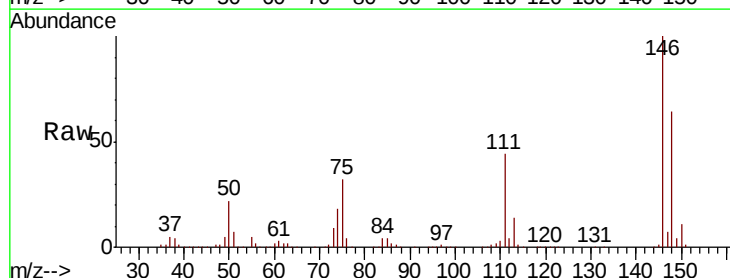
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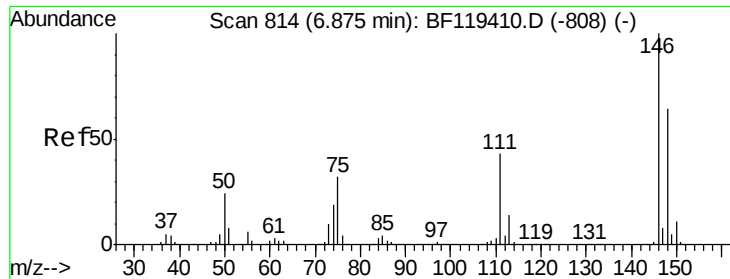
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#12
1,3-Dichlorobenzene
Concen: 41.210 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	31.8	25.8	38.8





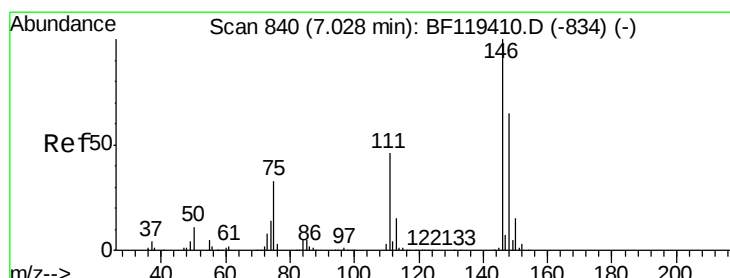
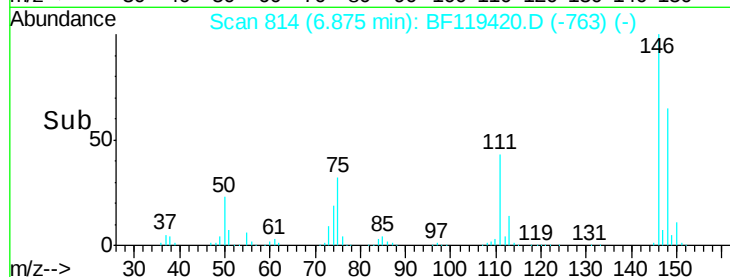
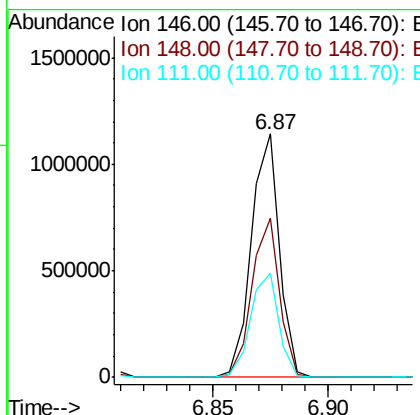
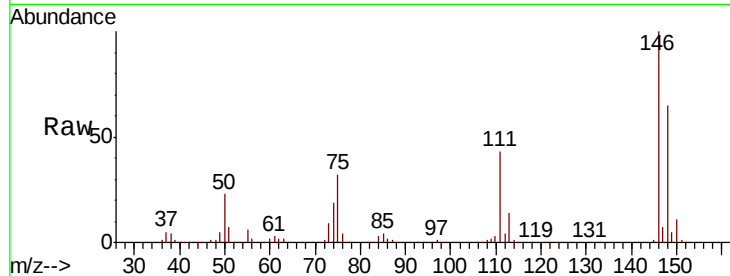
#13
 1,4-Dichlorobenzene
 Concen: 41.068 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.9	76.3
111	42.9	34.6	52.0

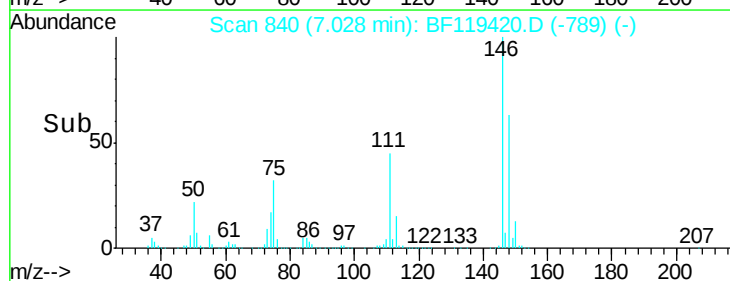
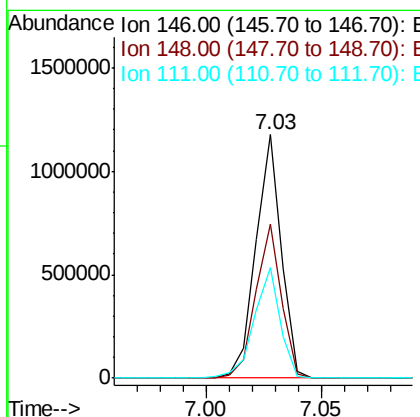
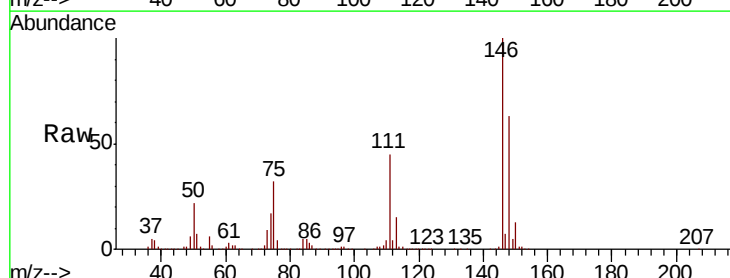
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#14
 1,2-Dichlorobenzene
 Concen: 41.163 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.7	77.5
111	45.2	36.4	54.6





#15

Benzyl Alcohol

Concen: 42.412 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

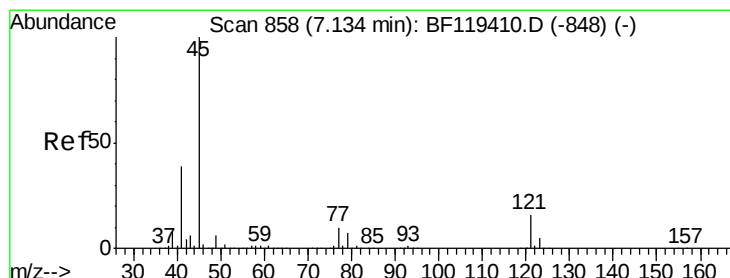
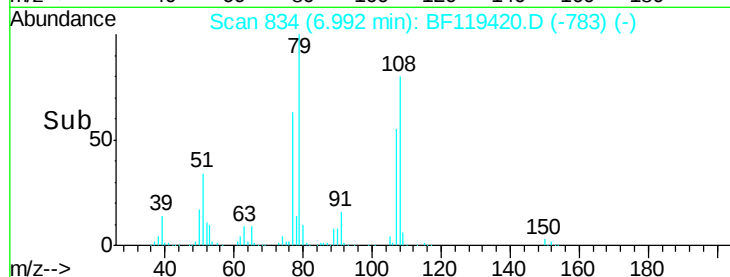
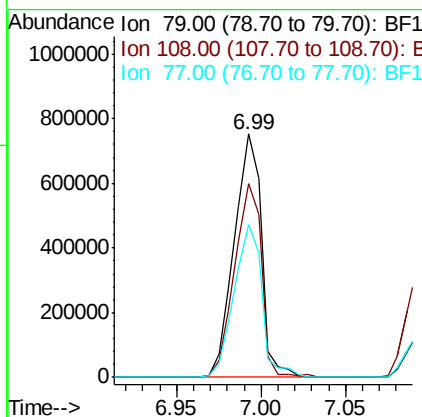
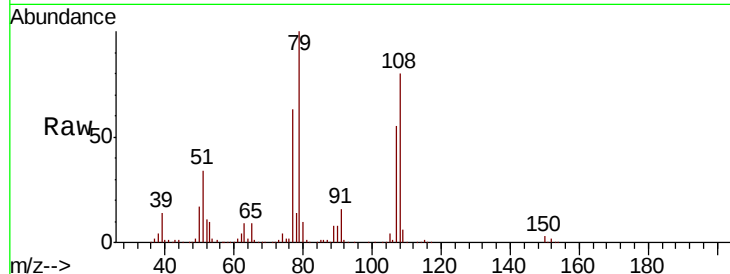
ClientSampleId :

VNJ-219MSD

Tot Ion:	79	Resp:	844170
Ion	Ratio	Lower	Upper
79	100		
108	79.6	60.4	90.6
77	62.8	49.0	73.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.783 ng

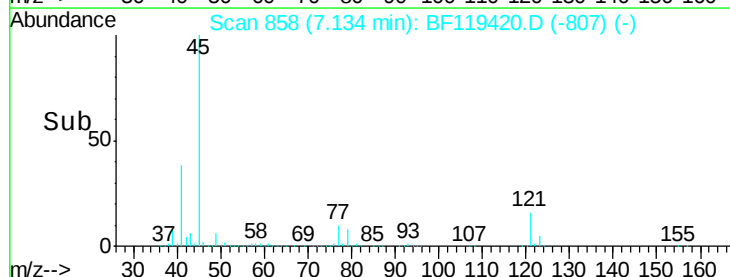
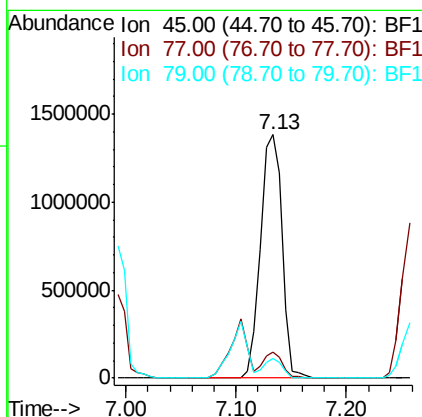
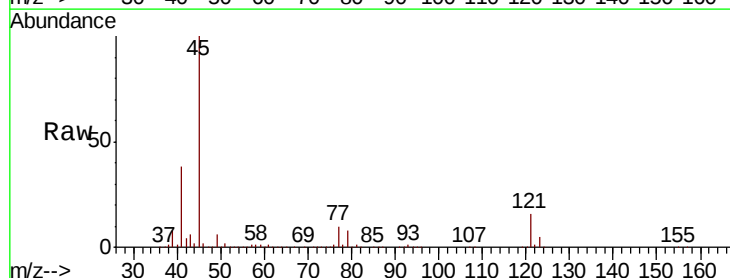
RT: 7.13 min Scan# 858

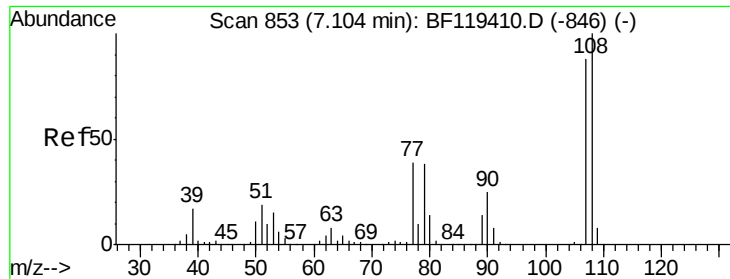
Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion:	45	Resp:	1903077
Ion	Ratio	Lower	Upper
45	100		
77	10.5	0.0	30.1
79	7.9	0.0	27.4





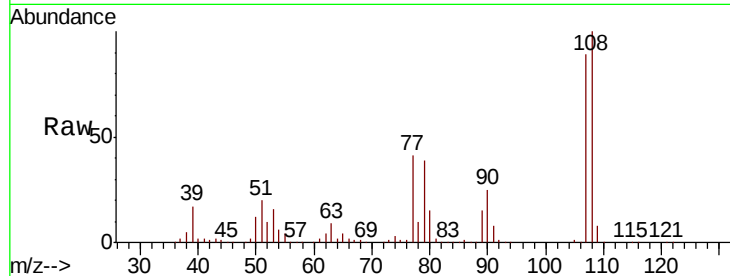
#17
2-Methylphenol
Concen: 39.689 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.7	136.1
77	45.9	35.6	53.4
79	43.9	34.7	52.1

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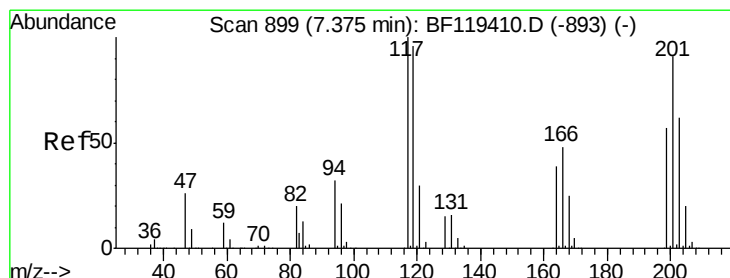
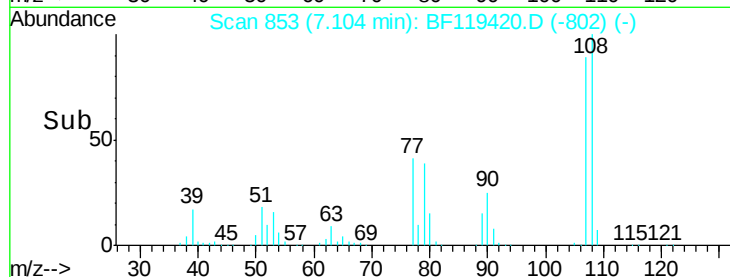
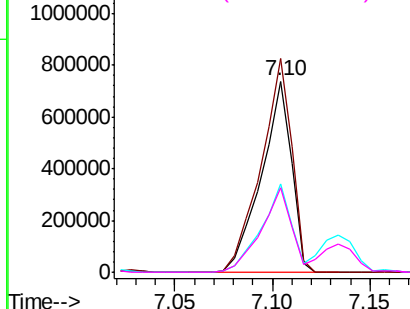
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 43.810 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

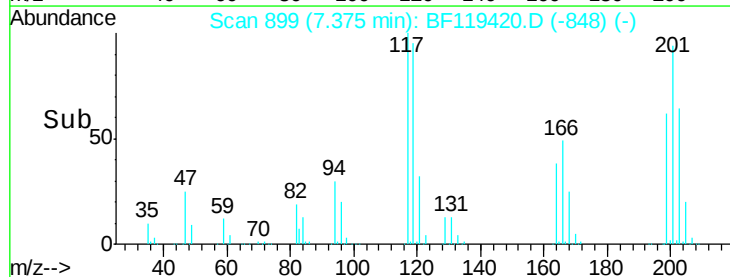
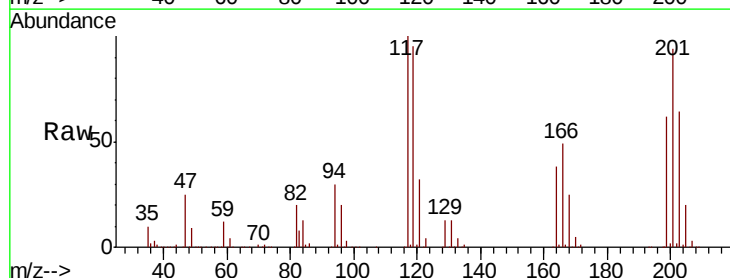
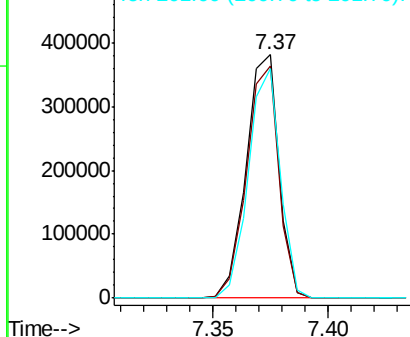
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.8	115.2
201	94.2	72.5	108.7

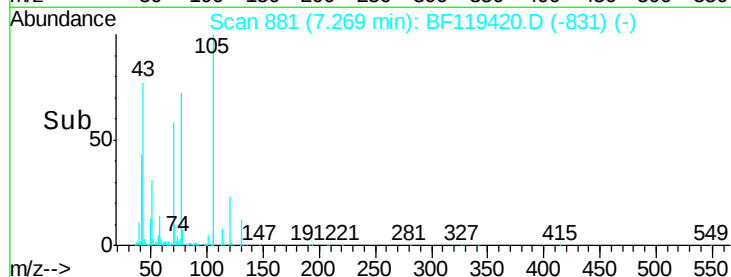
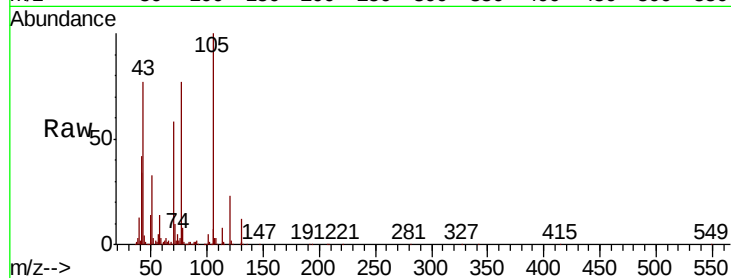
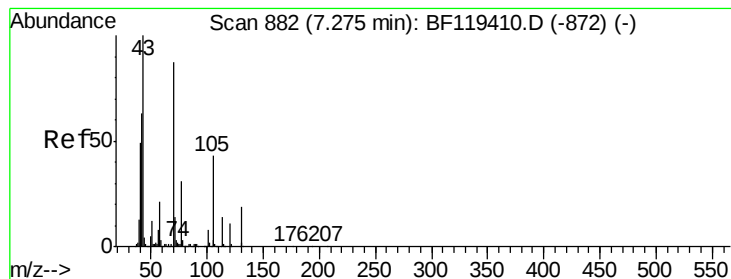
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 41.978 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion: 70 Resp: 669505

Ion Ratio Lower Upper

70 100

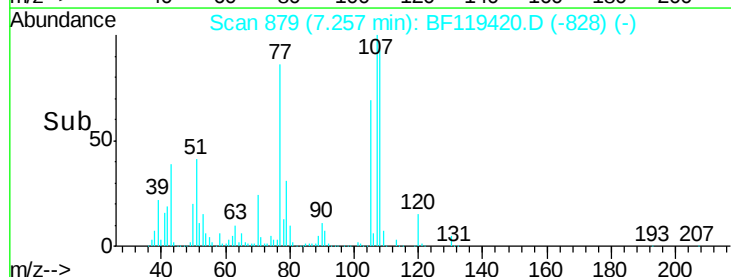
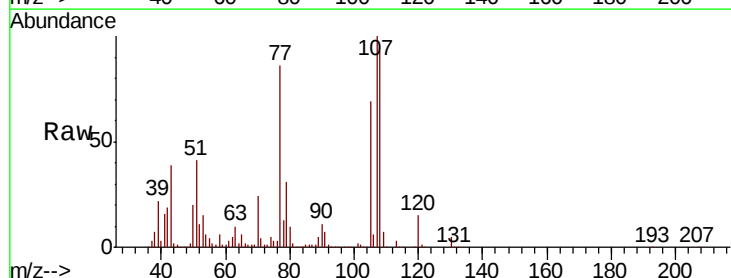
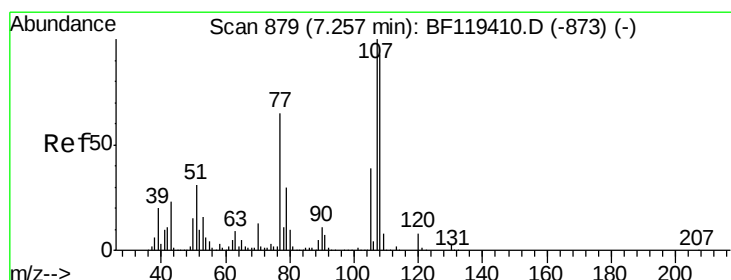
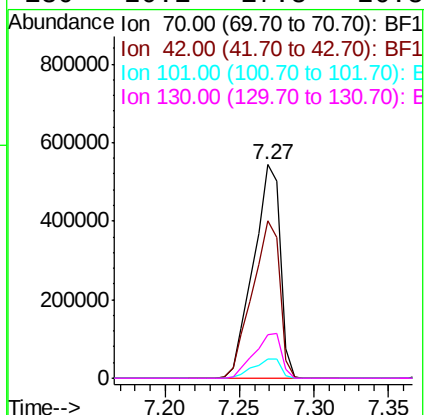
42 73.6 58.2 87.4

101 9.2 7.4 11.2

130 20.1 17.8 26.8

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#20

3+4-Methylphenols

Concen: 38.274 ng m

RT: 7.26 min Scan# 879

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion: 107 Resp: 934970

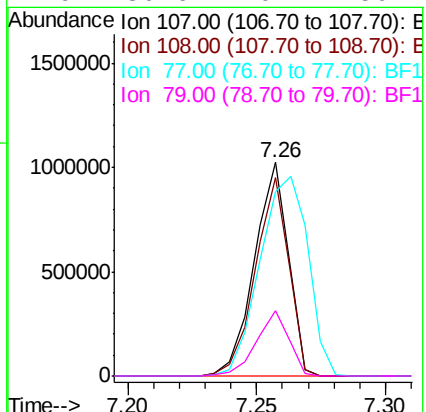
Ion Ratio Lower Upper

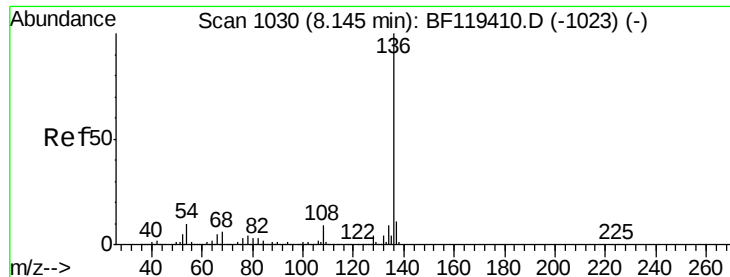
107 100

108 92.8 72.6 112.6

77 86.3 44.7 84.7#

79 30.6 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:136 Resp: 1277509

Ion Ratio Lower Upper

136 100

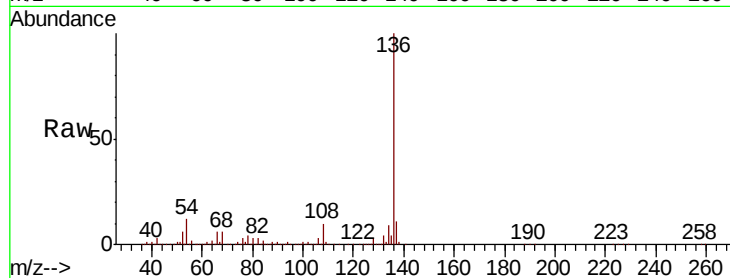
137 10.9 8.4 12.6

54 11.7 8.3 12.5

68 6.4 4.9 7.3

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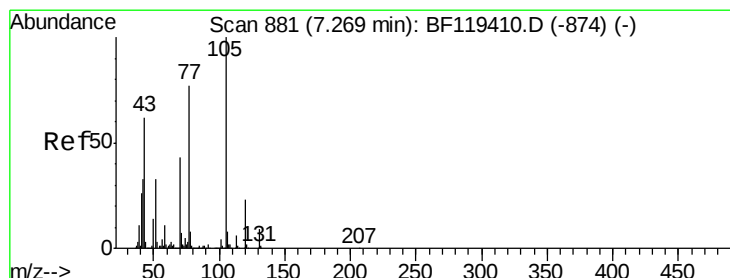
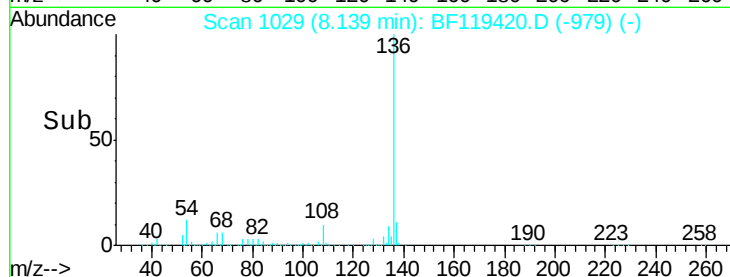
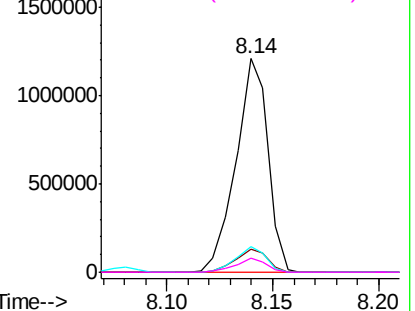


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 40.446 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion:105 Resp: 1234652

Ion Ratio Lower Upper

105 100

71 6.3 5.8 8.6

51 42.5 26.8 40.2#

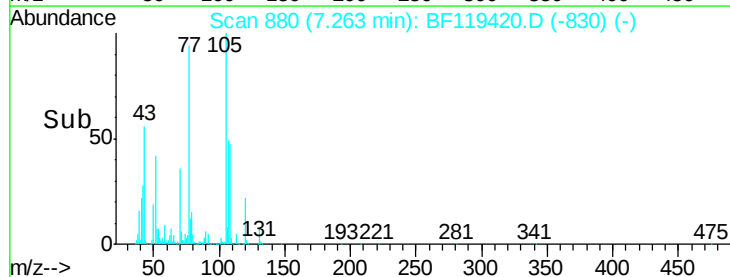
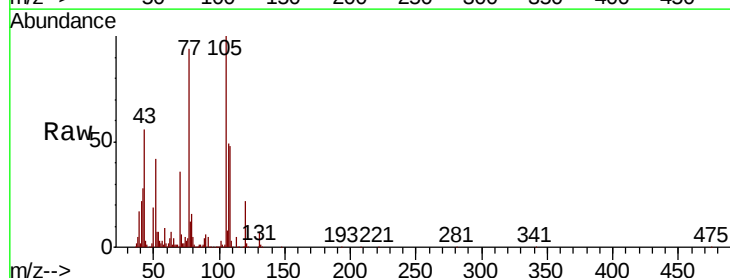
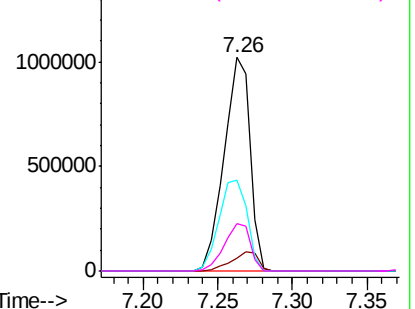
120 22.3 18.0 27.0

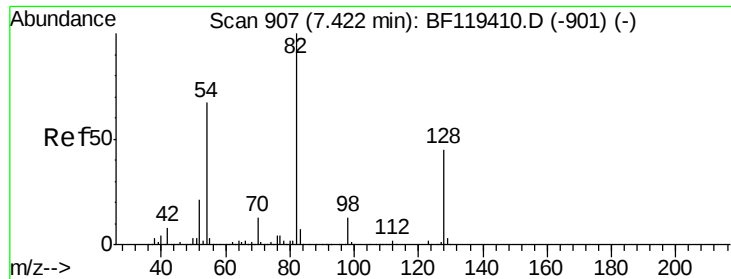
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





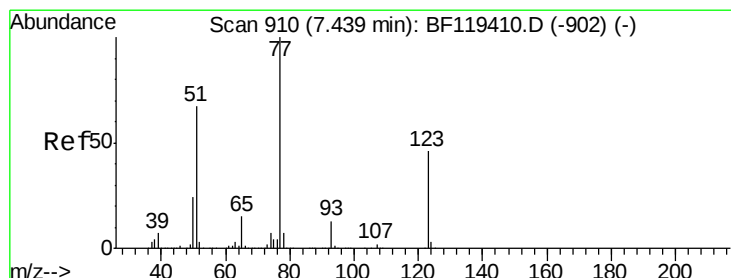
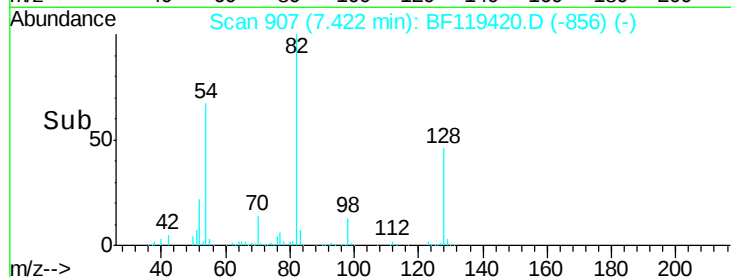
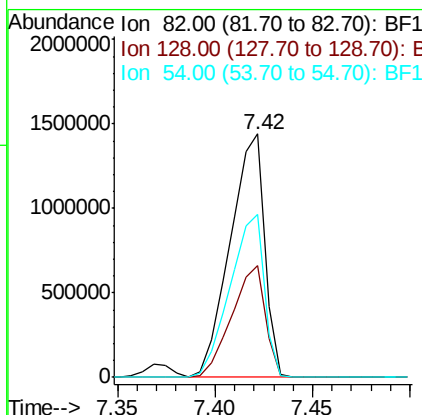
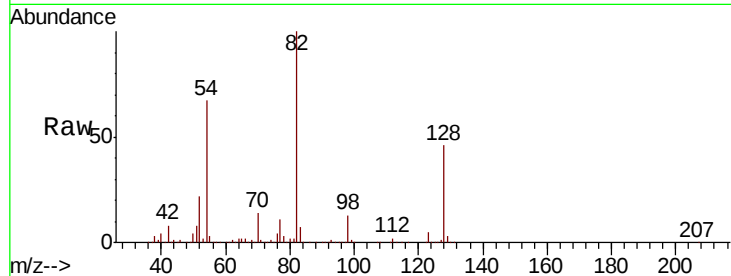
#23
 Nitrobenzene-d5
 Concen: 74.989 ng
 RT: 7.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tot Ion	82	Resp	1762699
Ion Ratio	100	Lower	Upper
128	46.2	35.8	53.8
54	66.7	53.4	80.0

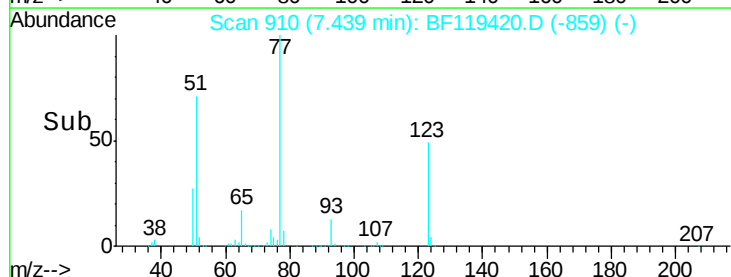
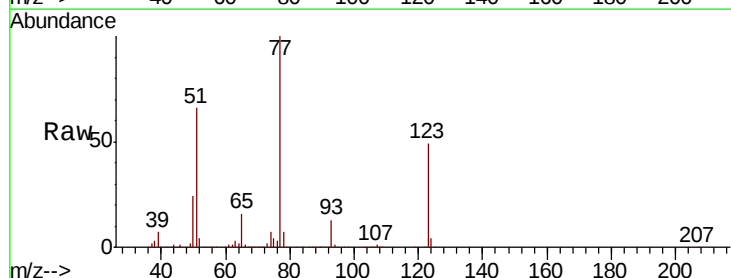
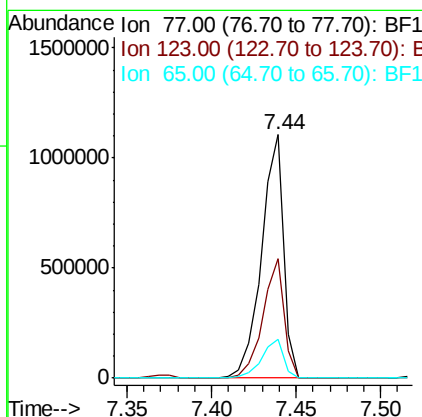
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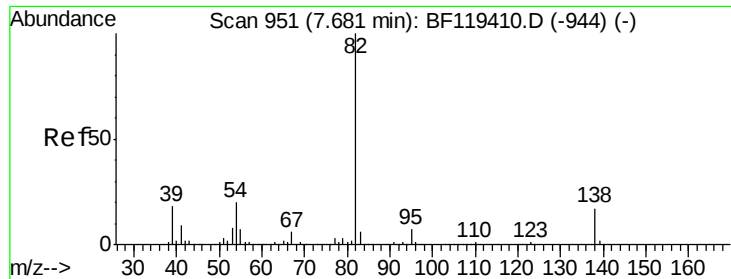
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#24
 Nitrobenzene
 Concen: 39.895 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	77	Resp	1002202
Ion Ratio	100	Lower	Upper
123	49.0	36.9	55.3
65	15.7	12.2	18.4





#25

Isophorone

Concen: 39.023 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion: 82 Resp: 1860745

Ion Ratio Lower Upper

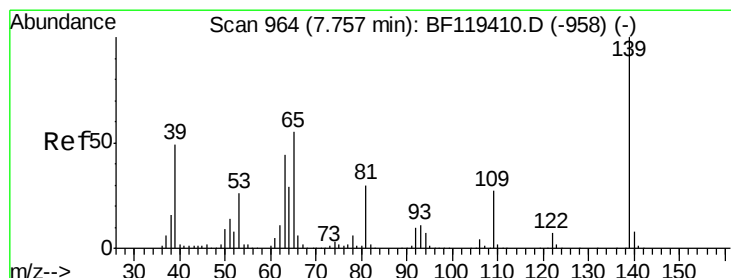
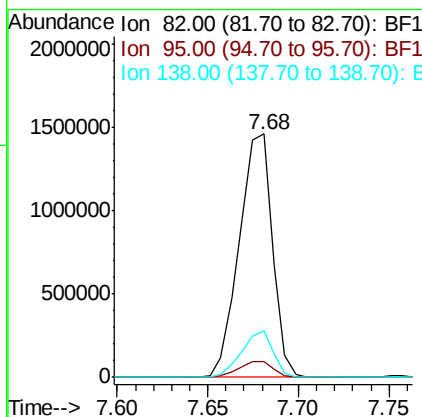
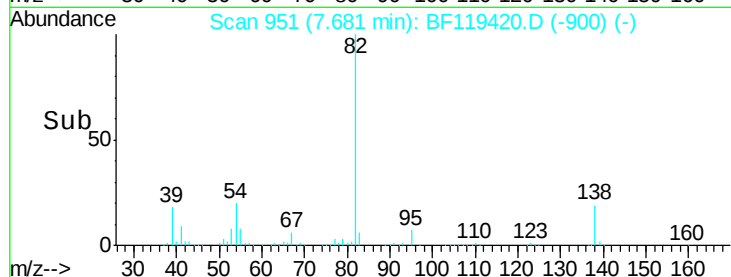
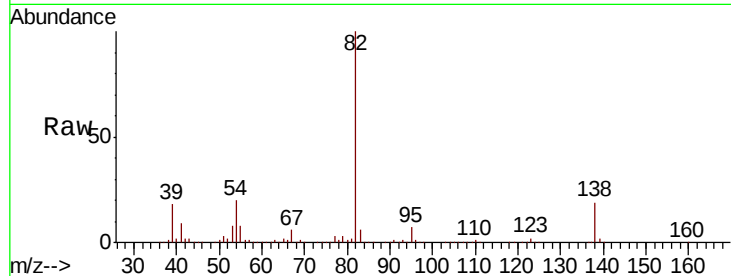
82 100

95 6.7 5.4 8.2

138 18.9 13.8 20.8

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.093 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

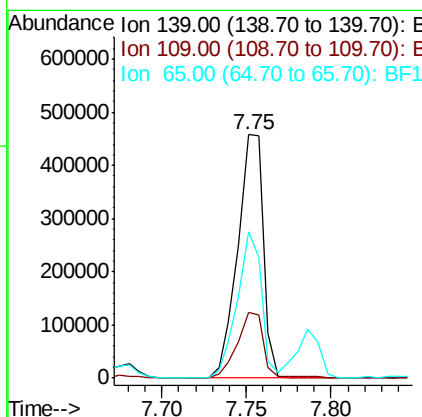
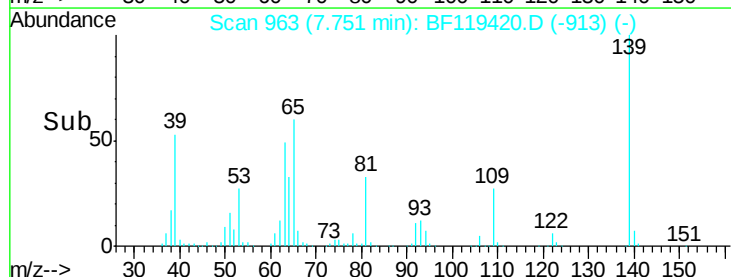
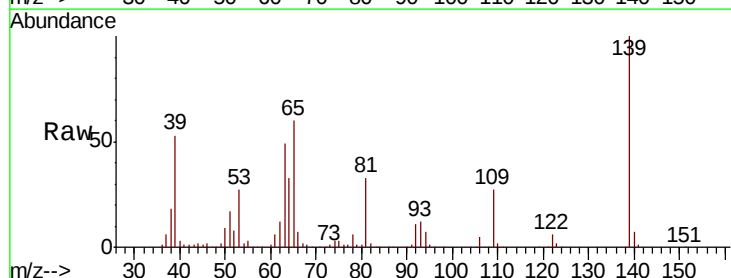
Tgt Ion: 139 Resp: 485584

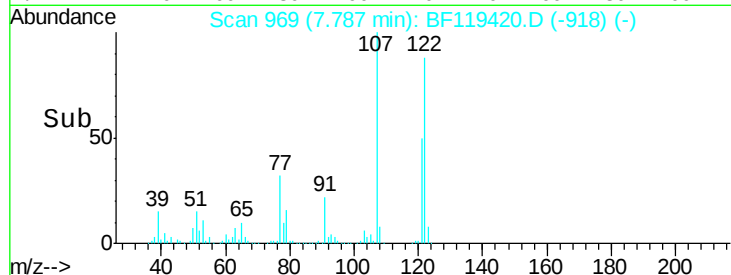
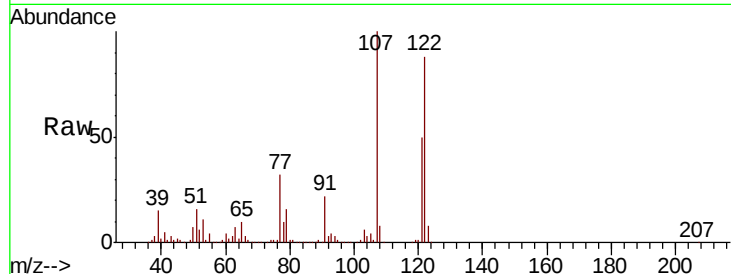
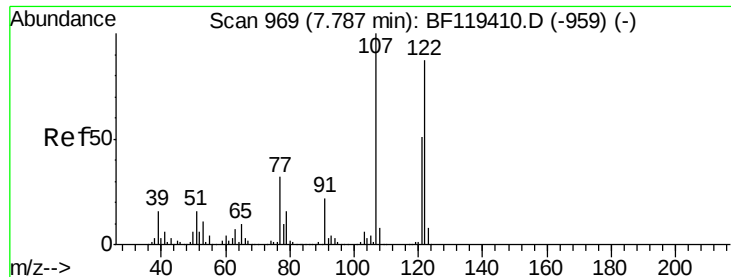
Ion Ratio Lower Upper

139 100

109 26.9 21.7 32.5

65 60.1 43.9 65.9





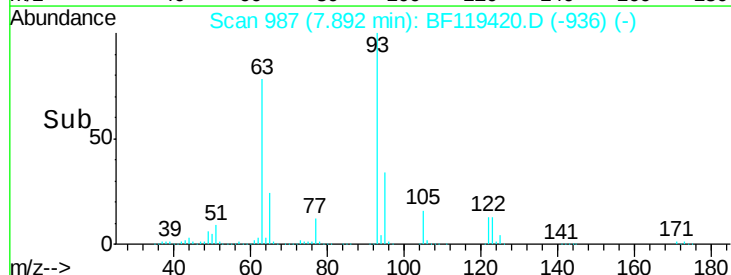
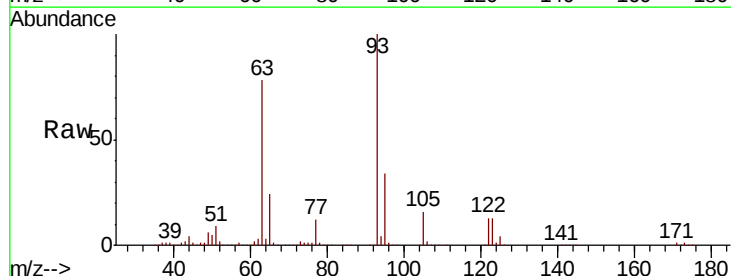
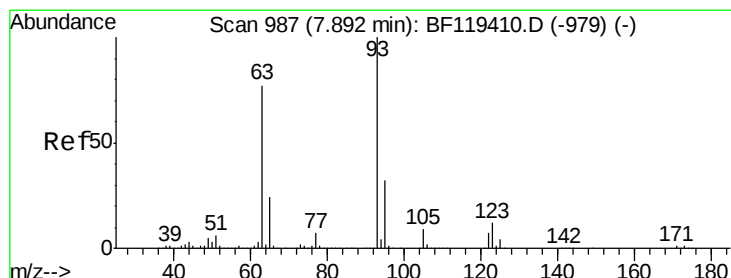
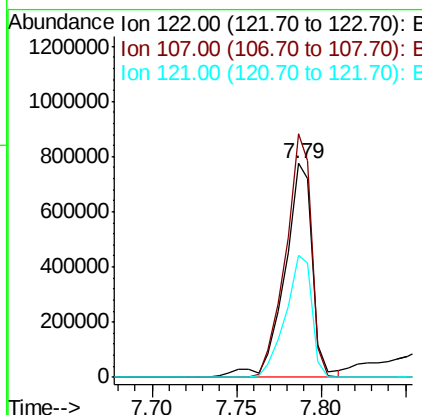
#27
2,4-Dimethylphenol
Concen: 43.573 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tot Ion	Ratio	Resp	Lower	Upper
122	100	891165		
107	113.9	91.8	137.6	
121	57.2	46.5	69.7	

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

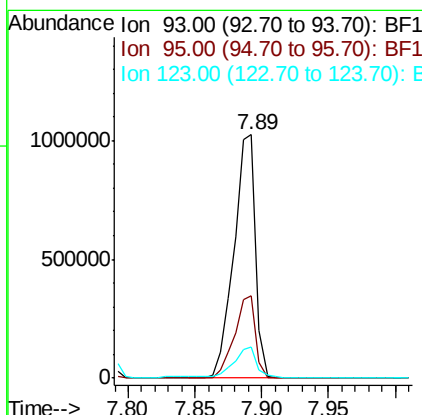
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#28
bis(2-Chloroethoxy)methane
Concen: 41.279 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1163909		
95	33.8	26.0	39.0	
123	12.9	9.7	14.5	





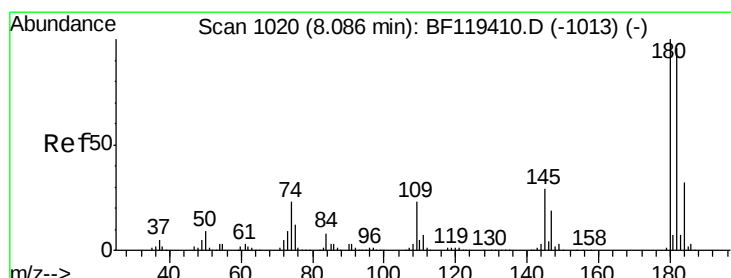
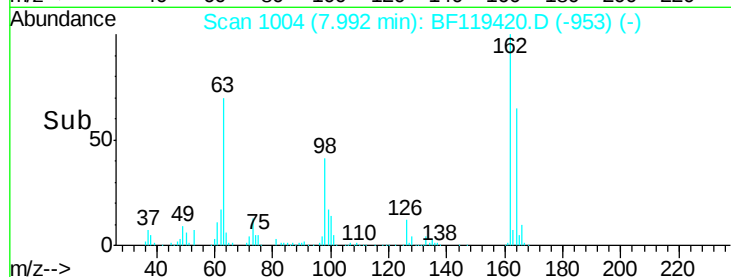
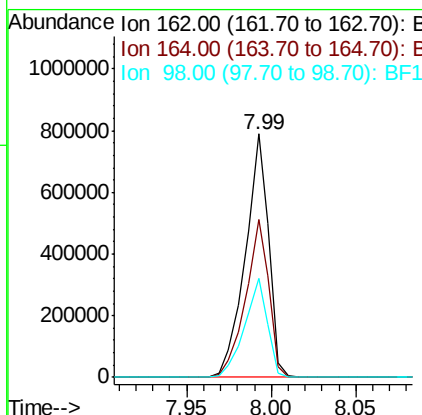
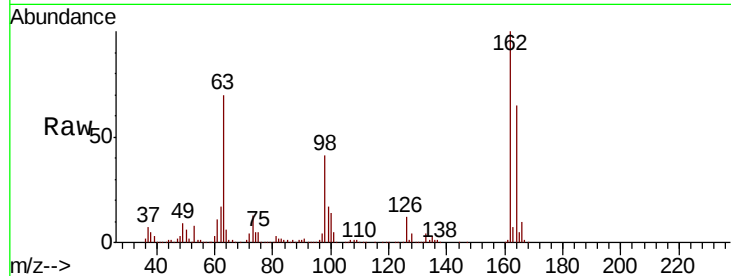
#29
2,4-Dichlorophenol
Concen: 40.618 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampled :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.6	83.6
98	40.7	20.4	60.4

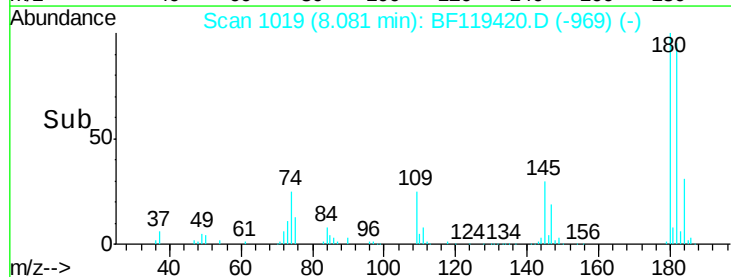
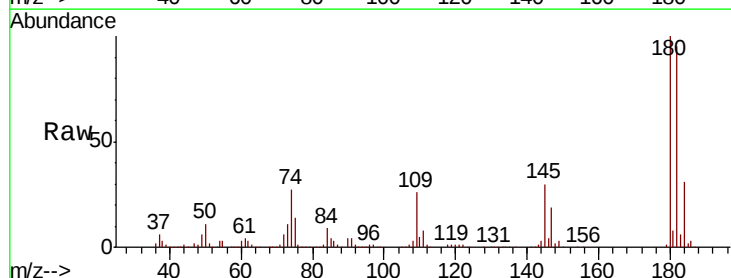
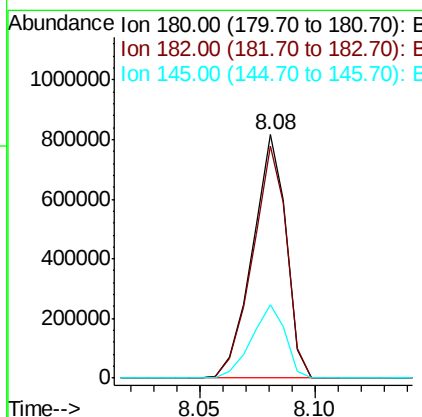
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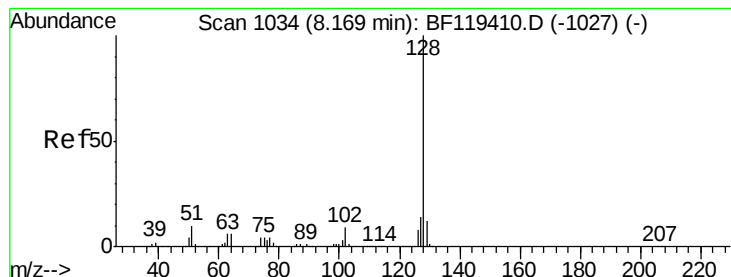
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 39.936 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
145	30.2	23.2	34.8





#31

Naphthalene

Concen: 40.229 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:128 Resp: 2644736

Ion Ratio Lower Upper

128 100

129 12.1 9.3 13.9

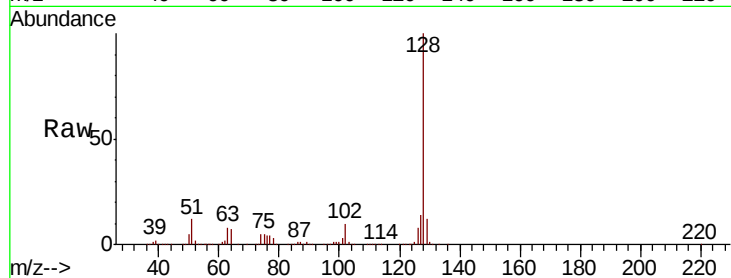
127 14.0 11.0 16.4

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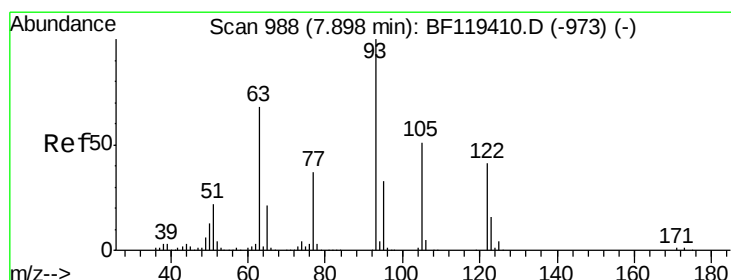
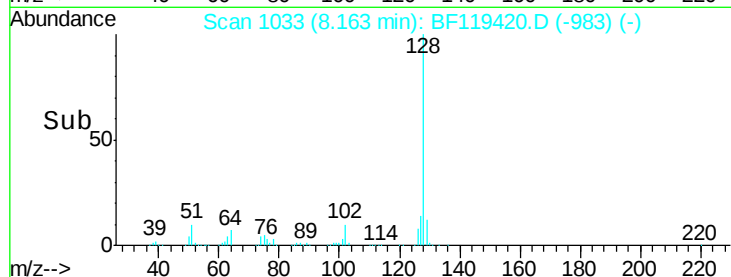
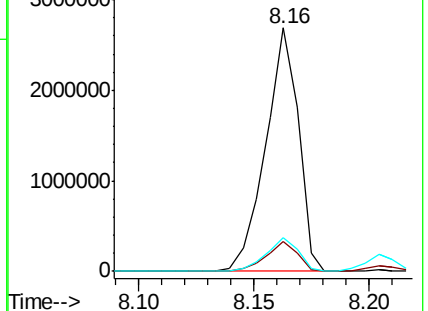
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 44.021 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

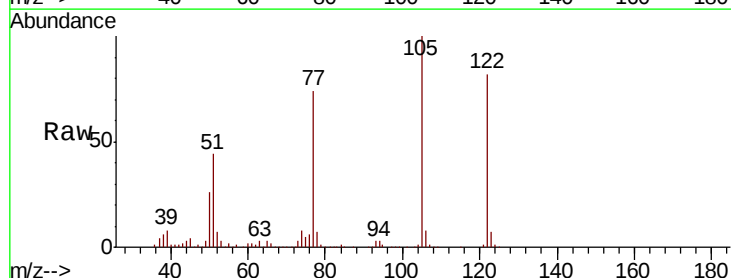
Tgt Ion:122 Resp: 579136

Ion Ratio Lower Upper

122 100

105 122.2 102.9 142.9

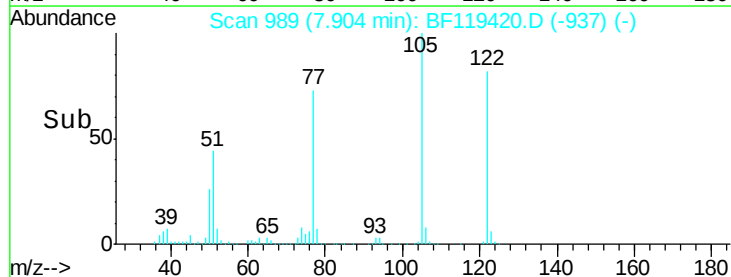
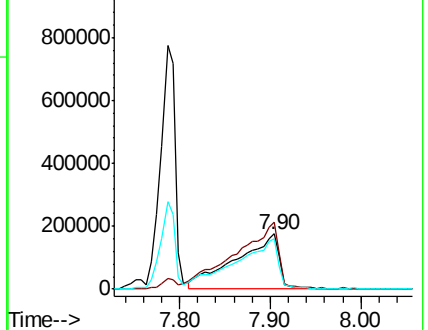
77 90.6 70.1 110.1

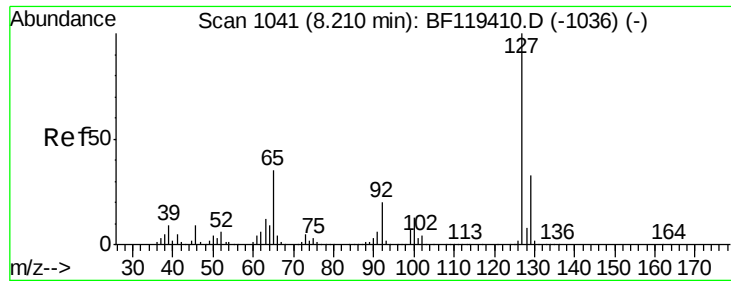


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





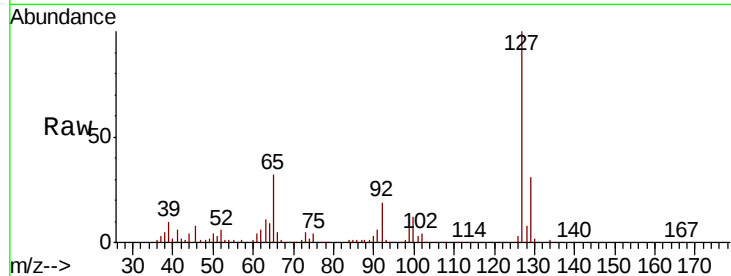
#33
4-Chloroaniline
Concen: 6.136 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.1	26.2	39.4	
65	32.1	27.7	41.5	
92	18.6	15.8	23.6	

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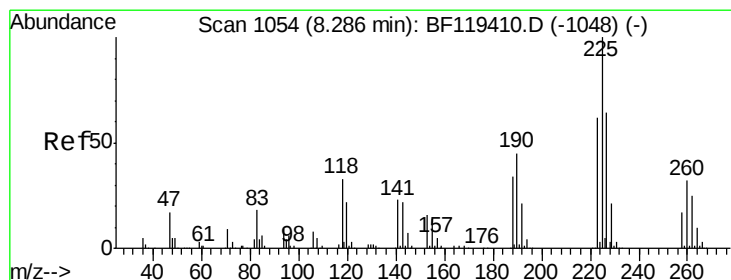
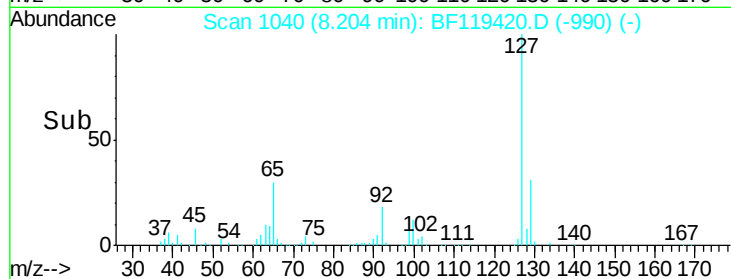
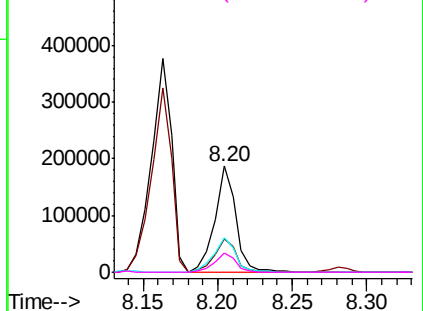
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

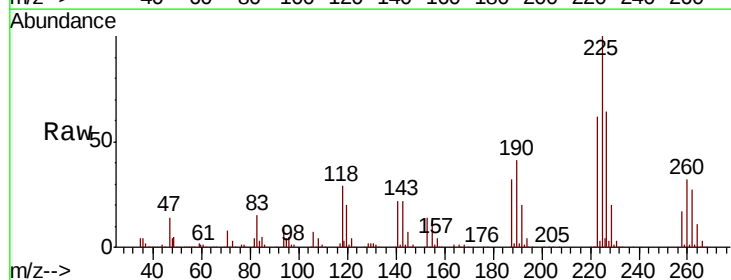
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 40.128 ng
RT: 8.29 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	49.2	73.8	
227	63.8	51.1	76.7	

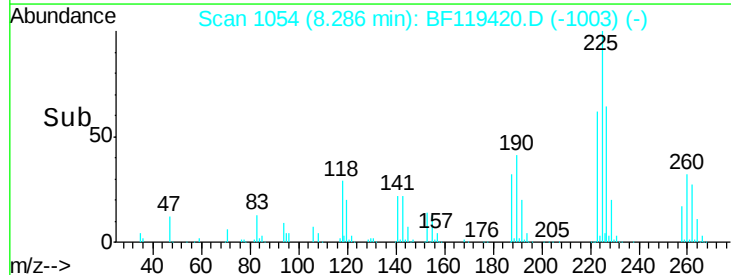
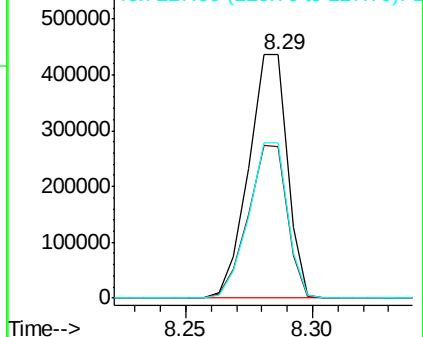


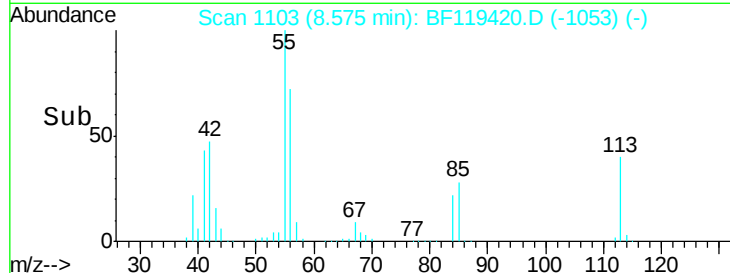
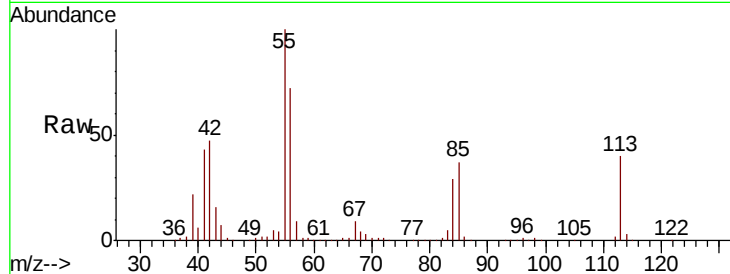
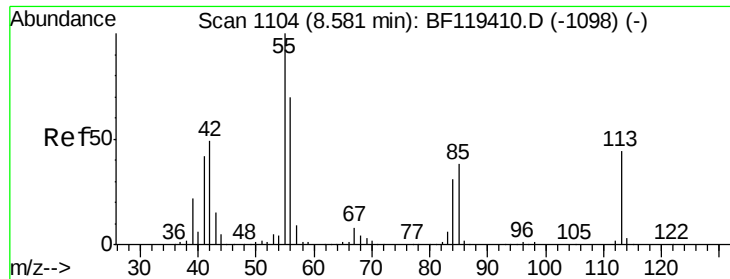
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





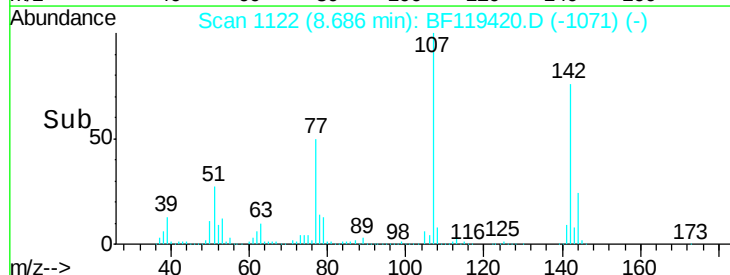
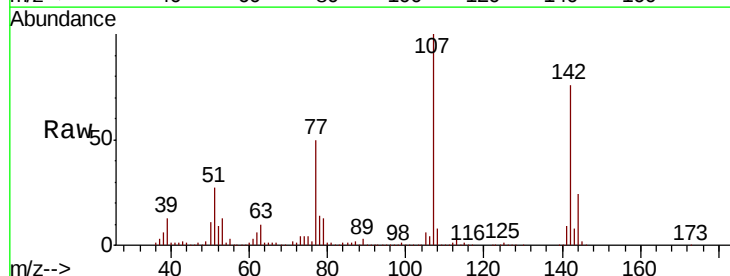
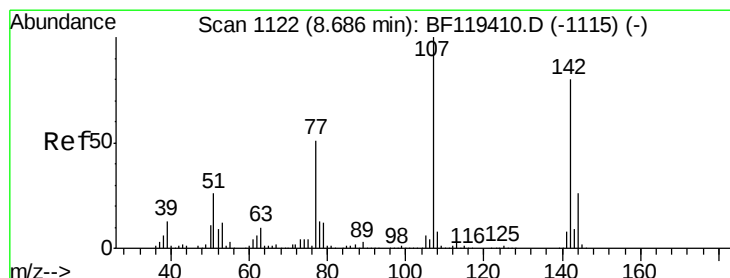
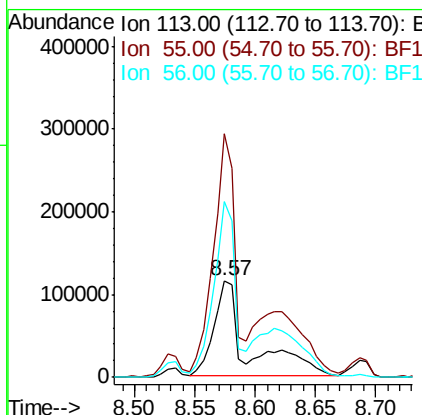
#35
Caprolactam
Concen: 37.117 ng/ml
RT: 8.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tot Ion	Ratio	Lower	Upper
113	100		
55	251.5	208.4	248.4#
56	181.1	138.9	178.9#

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

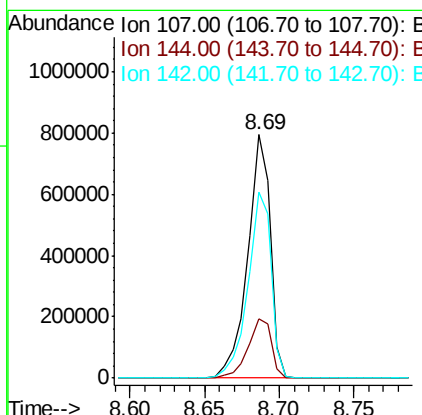
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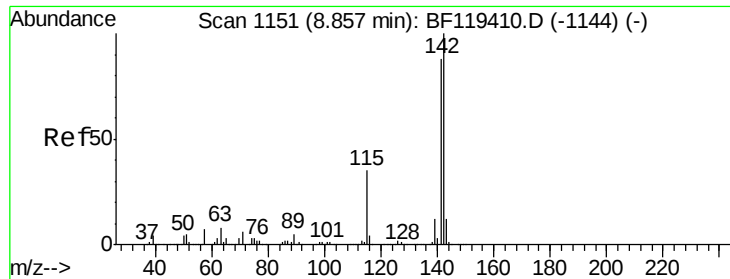
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#36
4-Chloro-3-methylphenol
Concen: 40.390 ng/ml
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.6	31.0
142	76.5	63.8	95.6





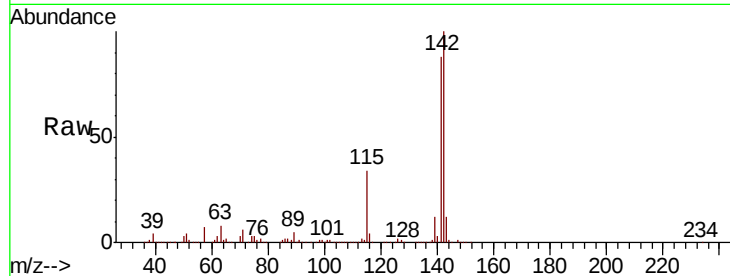
#37
2-Methylnaphthalene
Concen: 41.514 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.4	105.6
115	34.0	27.8	41.6

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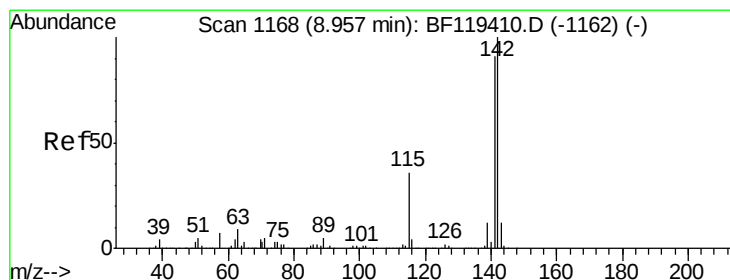
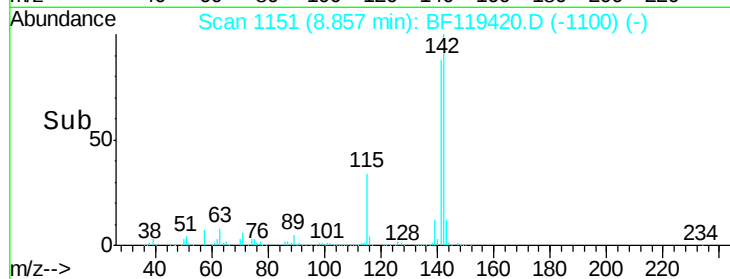
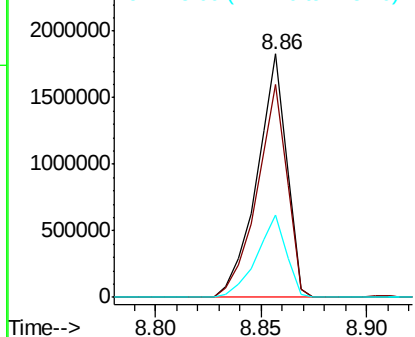


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 40.739 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

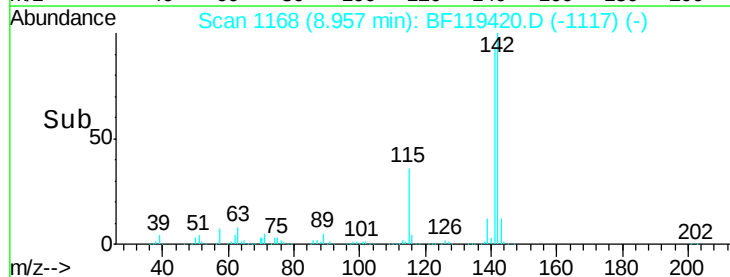
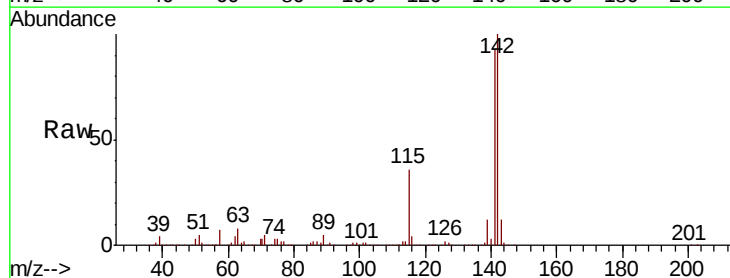
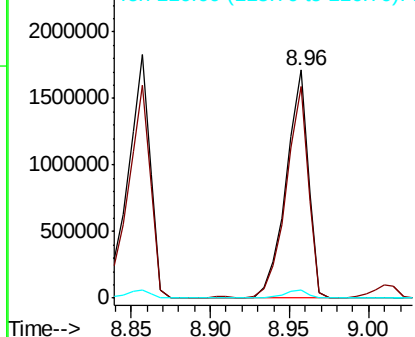
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.1	109.7
116	3.7	3.0	4.6

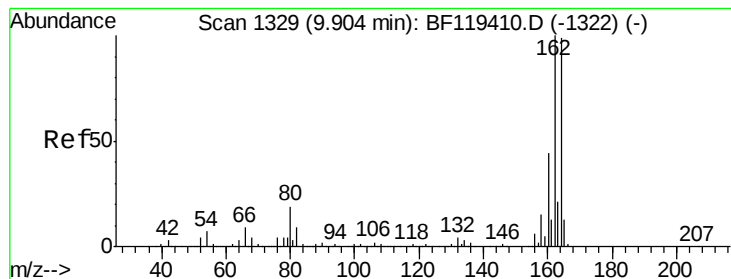
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

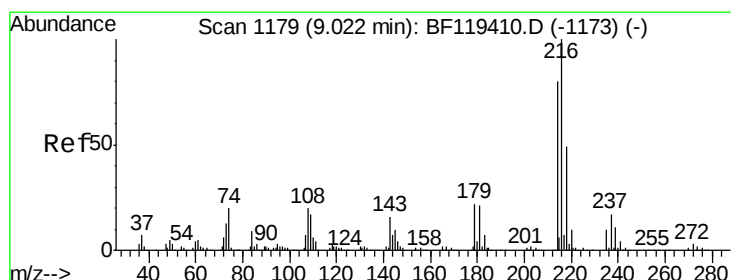
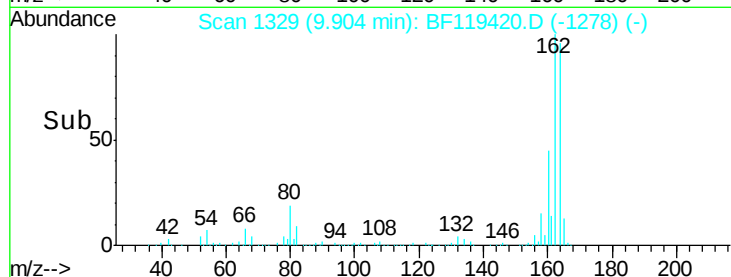
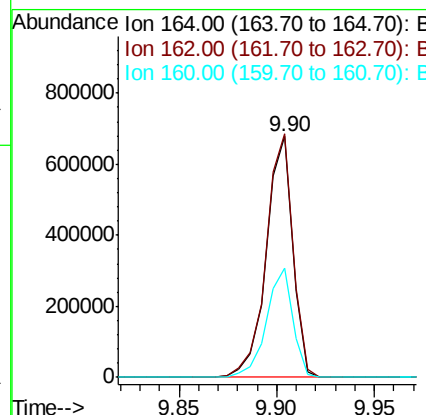
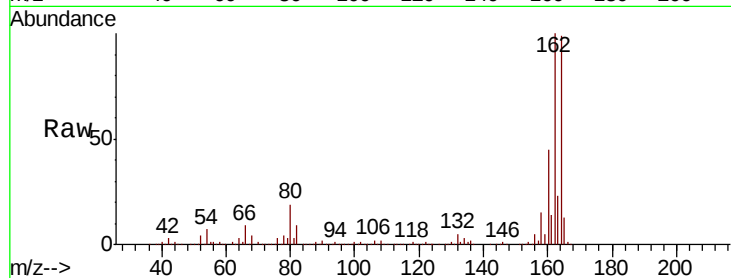
ClientSampleId :

VNJ-219MSD

Tot Ion	164	Resp	636975
Ion Ratio	Lower	Upper	
164	100		
162	101.2	80.7	121.1
160	45.4	35.5	53.3

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.200 ng

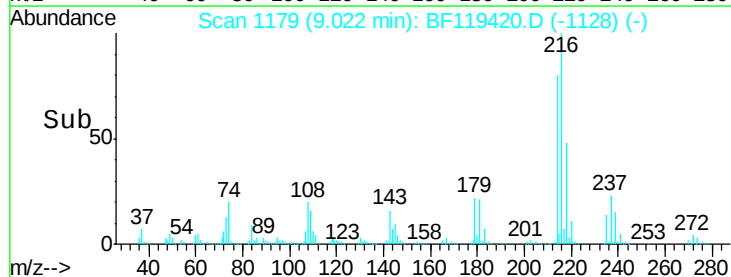
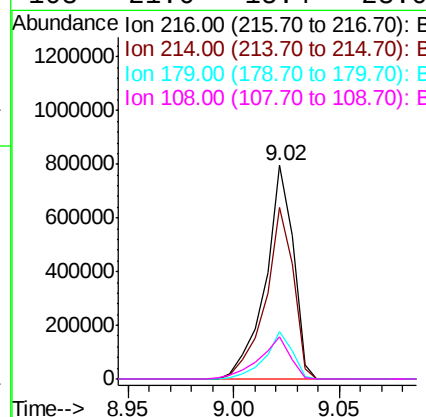
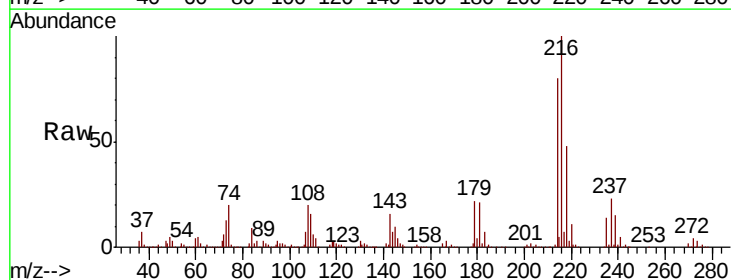
RT: 9.02 min Scan# 1179

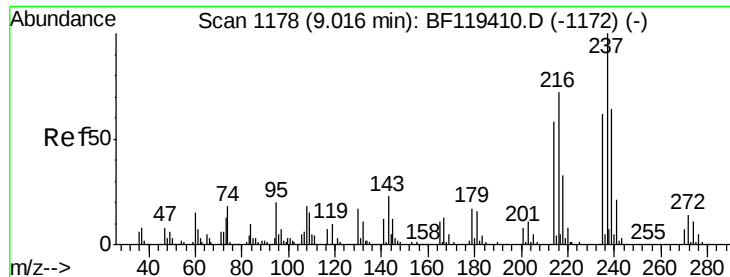
Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion	216	Resp	731876
Ion Ratio	Lower	Upper	
216	100		
214	80.5	63.0	94.6
179	21.7	17.0	25.4
108	21.6	15.4	23.0





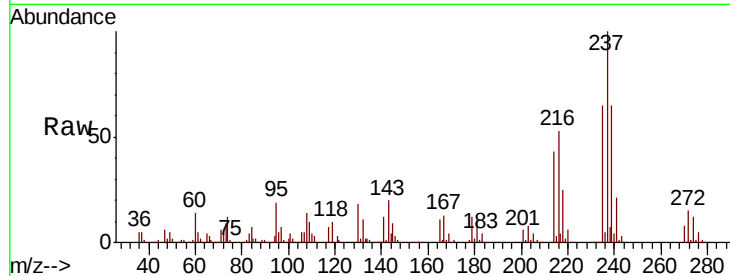
#41
Hexachlorocyclopentadiene
Concen: 77.540 ng
RT: 9.02 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

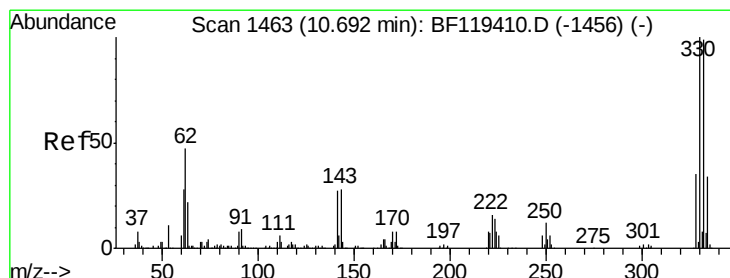
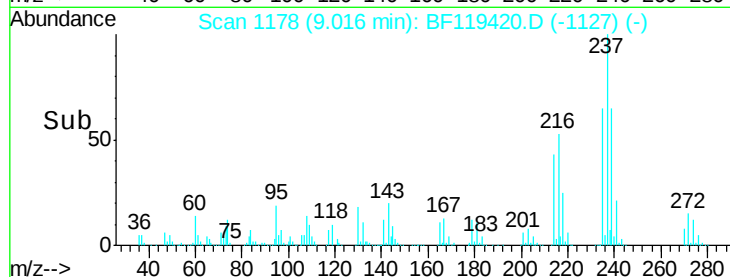
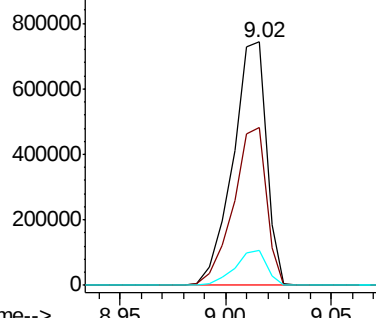
Tot Ion:	237	Resp:	823035
Ion Ratio	Lower	Upper	
237	100		
235	64.6	42.5	82.5
272	14.6	0.0	34.3

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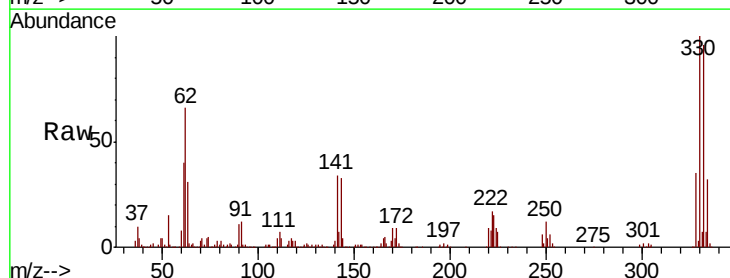


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

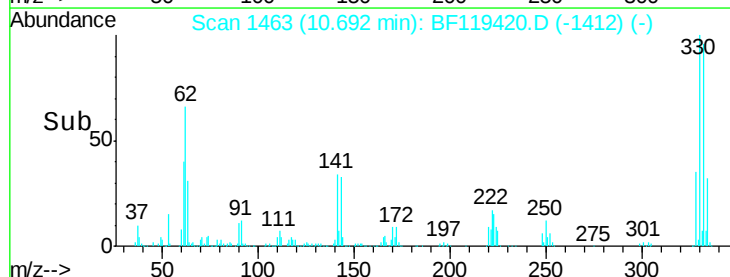
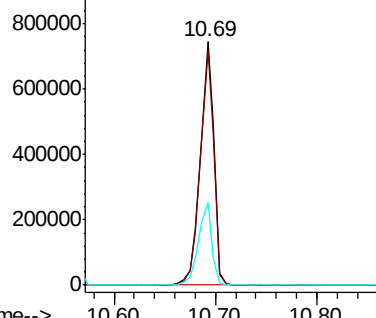


#42
2,4,6-Tribromophenol
Concen: 106.764 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:	330	Resp:	701597
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.6	116.4
141	33.0	26.6	40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





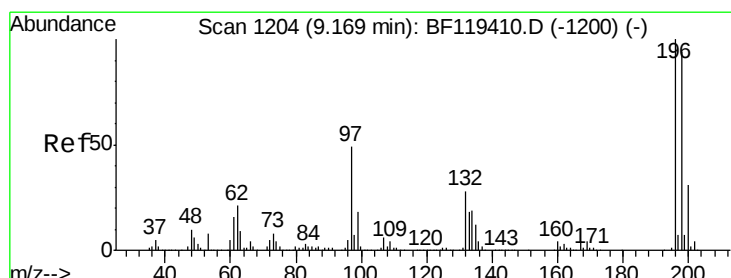
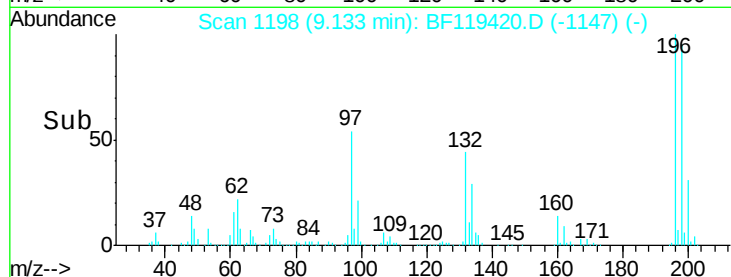
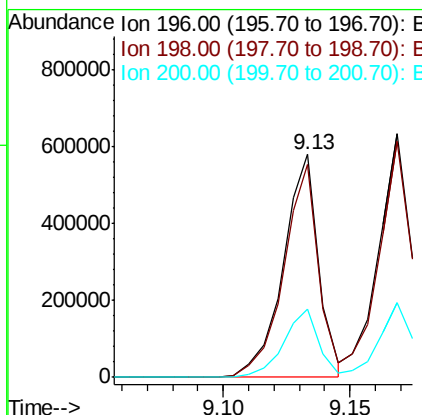
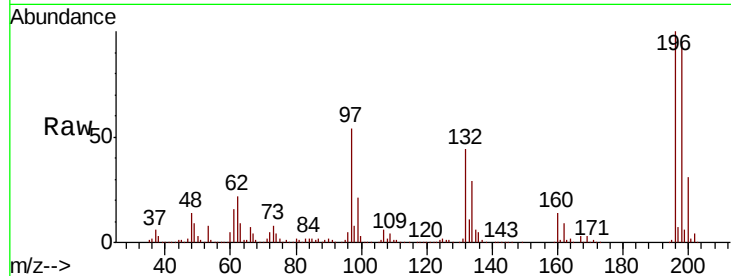
#43
 2,4,6-Trichlorophenol
 Concen: 42.301 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	565176		
198	95.5	77.0	115.4	
200	30.8	25.1	37.7	

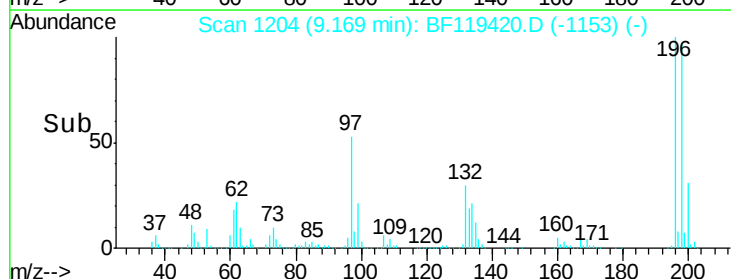
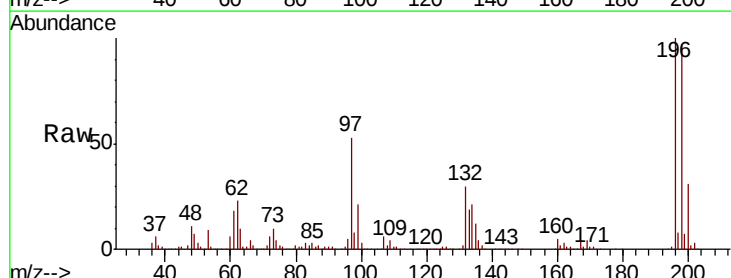
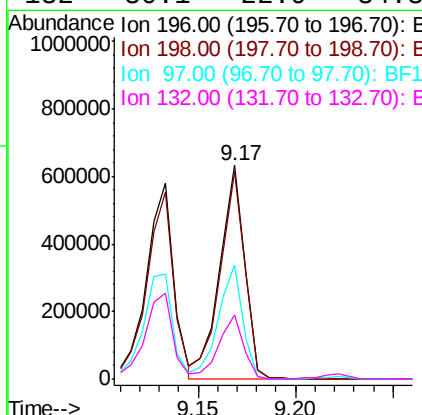
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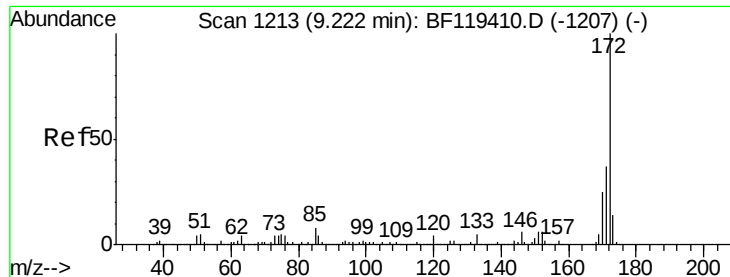
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 37.331 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	558739		
198	97.1	75.3	112.9	
97	53.3	39.0	58.4	
132	30.1	22.9	34.3	





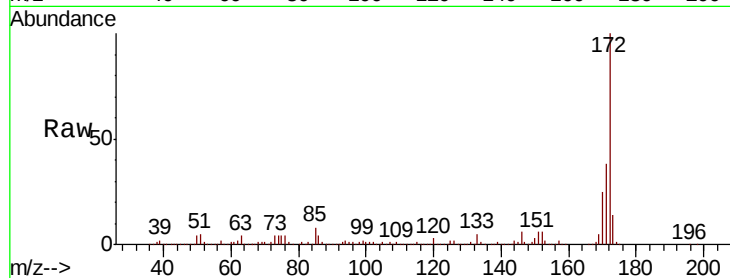
#45
2-Fluorobiphenyl
Concen: 71.836 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.9	44.9
170	25.1	20.1	30.1

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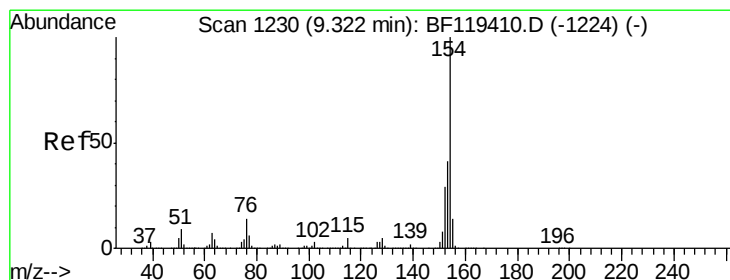
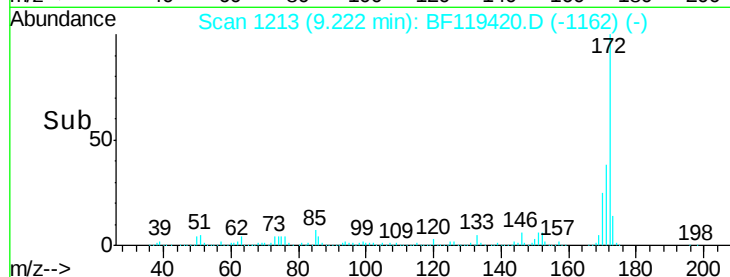
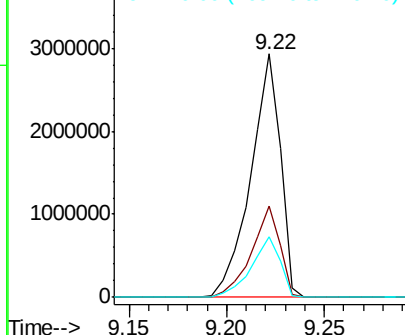


Abundance

Ion 172.00 (171.70 to 172.70): E

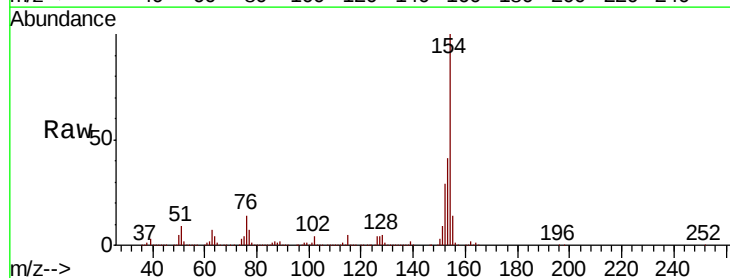
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 39.589 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.4	61.4
76	13.8	0.0	33.6

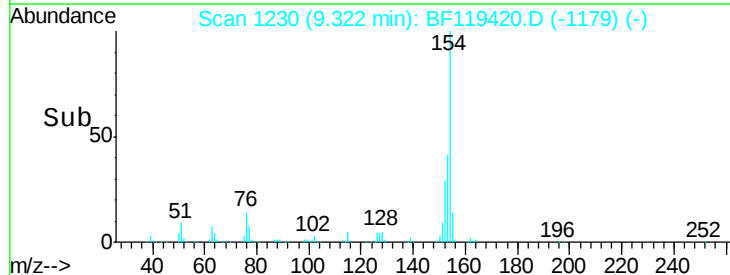
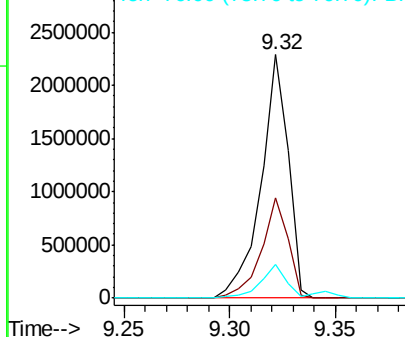


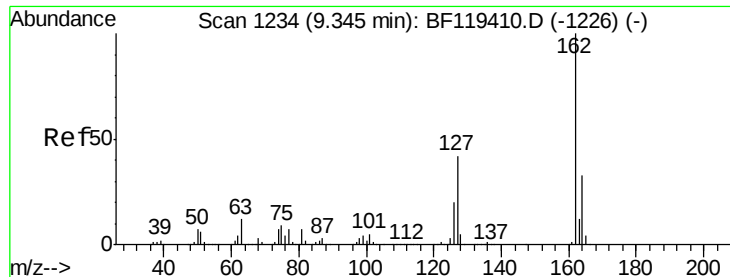
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





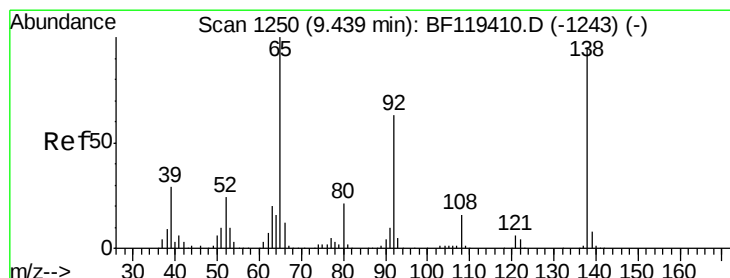
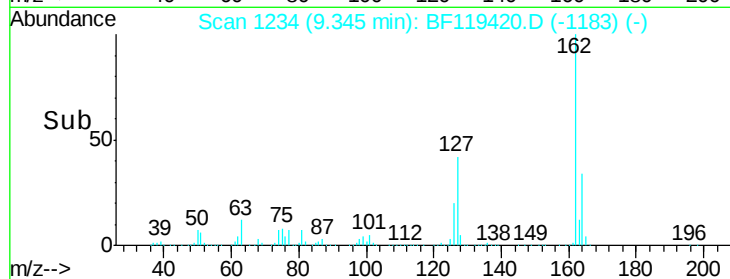
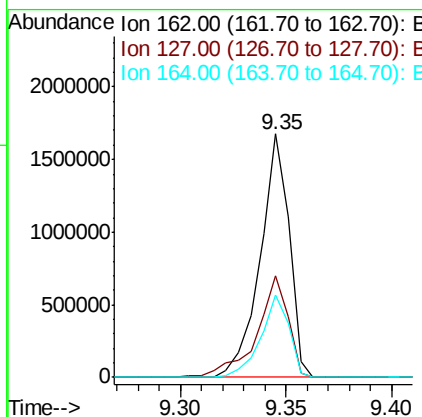
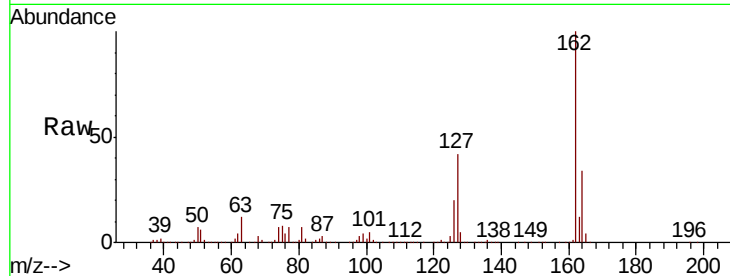
#47
 2-Chloronaphthalene
 Concen: 39.264 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.7	50.5
164	33.6	26.2	39.4

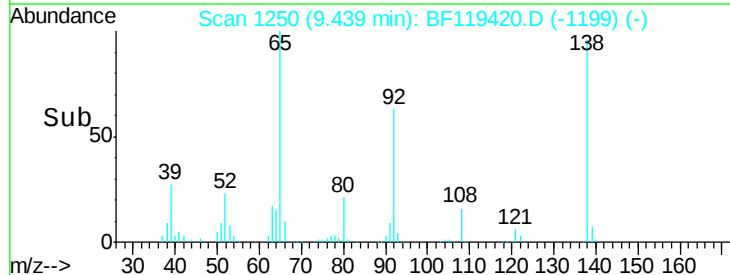
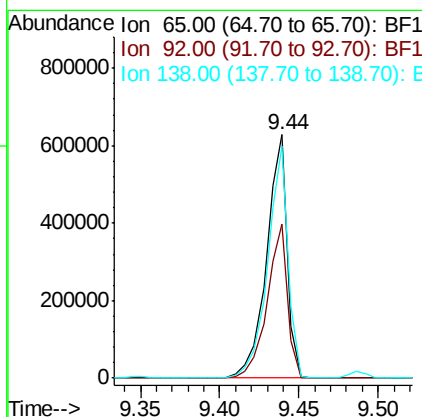
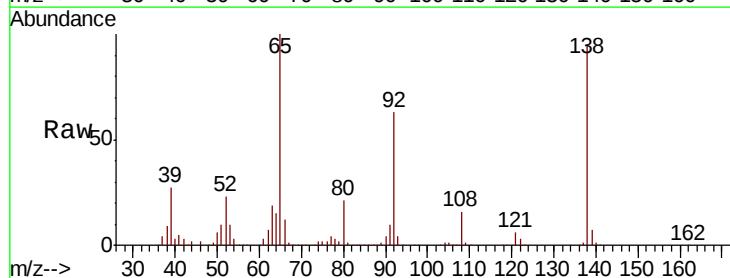
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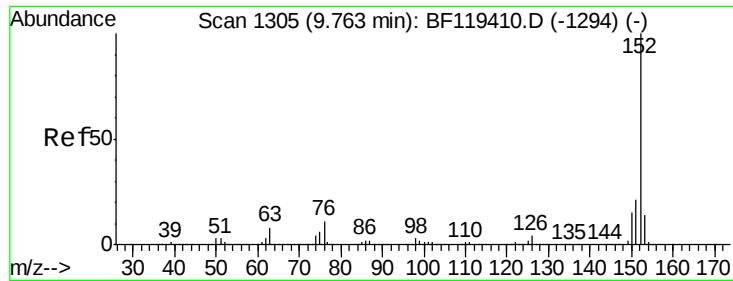
mohammad
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#48
 2-Nitroaniline
 Concen: 40.938 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.2	50.5	75.7
138	95.4	75.8	113.8





#49

Acenaphthylene

Concen: 40.015 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:152 Resp: 2553552

Ion Ratio Lower Upper

152 100

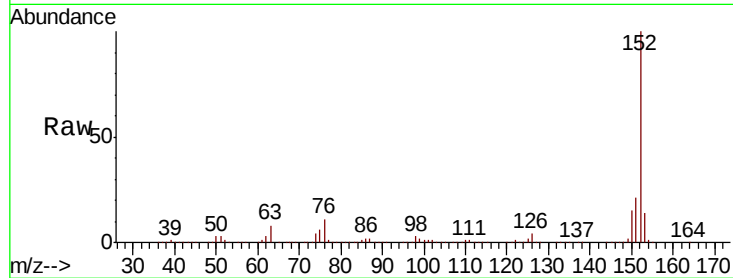
151 21.4 16.8 25.2

153 13.9 11.2 16.8

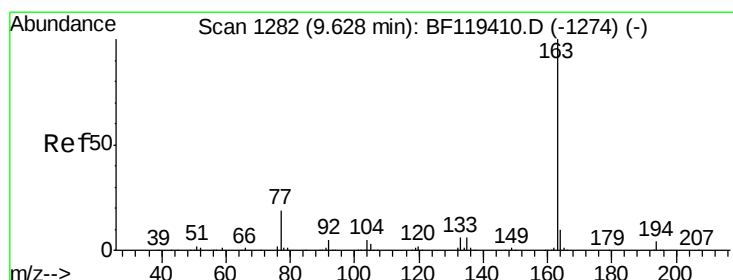
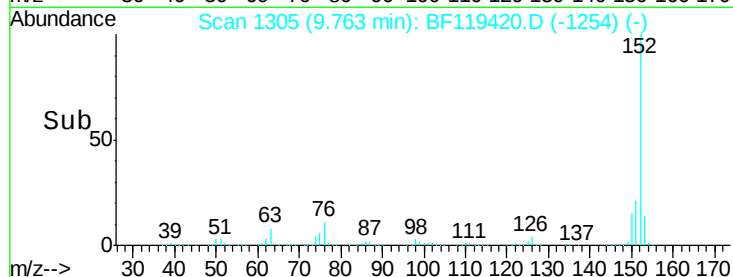
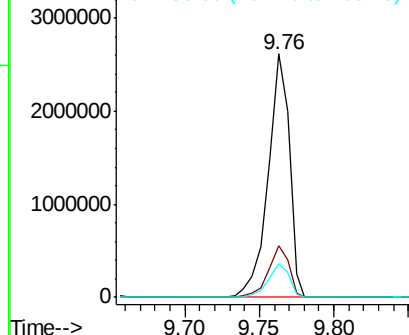
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.357 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

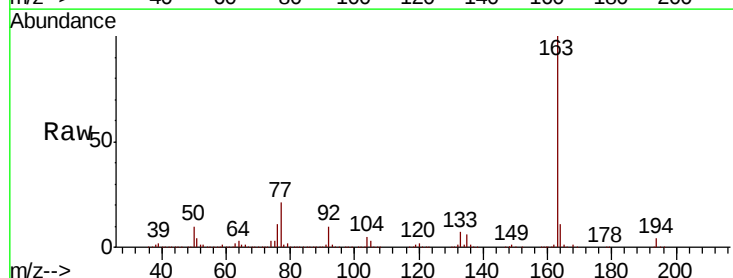
Tgt Ion:163 Resp: 2278370

Ion Ratio Lower Upper

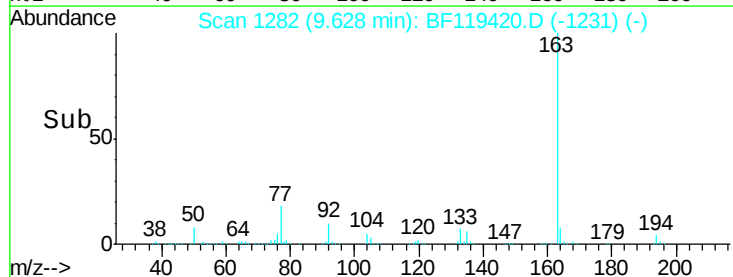
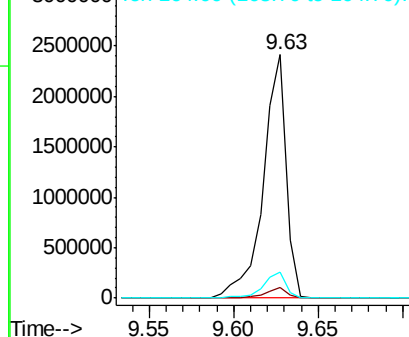
163 100

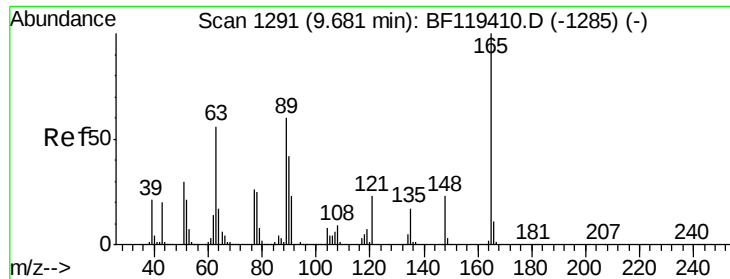
194 4.1 3.2 4.8

164 10.5 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 42.598 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:165 Resp: 413113

Ion Ratio Lower Upper

165 100

63 68.1 57.3 85.9

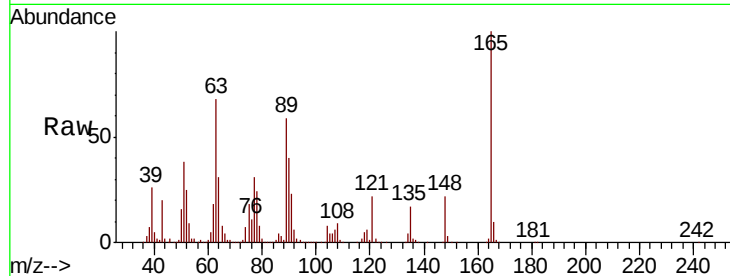
89 59.5 47.8 71.8

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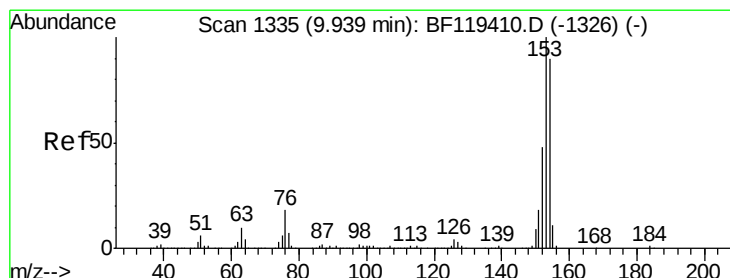
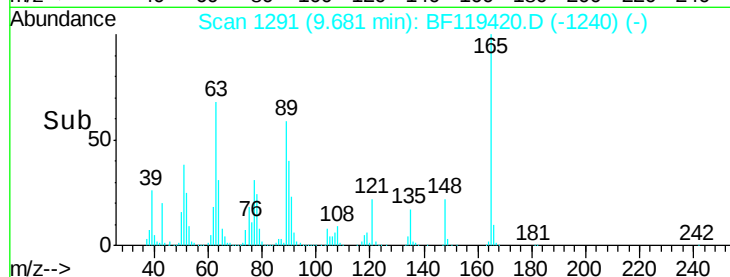
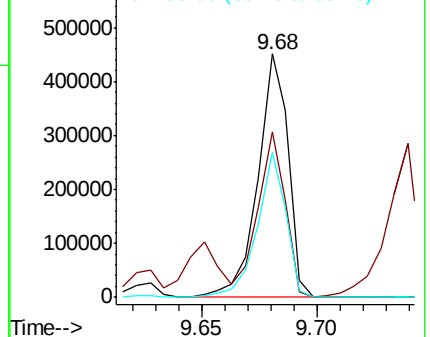
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 41.810 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

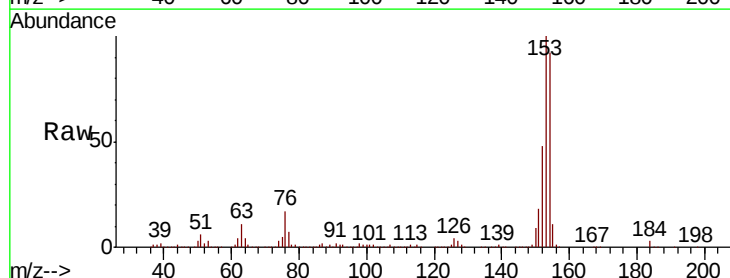
Tgt Ion:154 Resp: 1663334

Ion Ratio Lower Upper

154 100

153 108.4 89.0 133.6

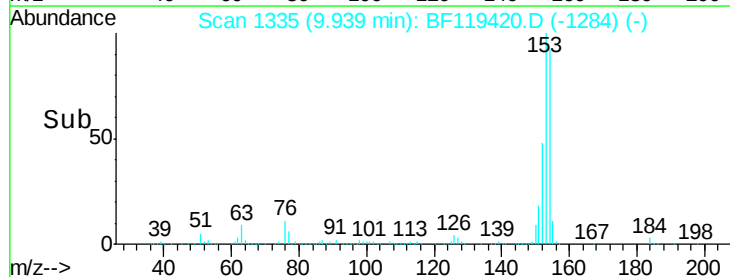
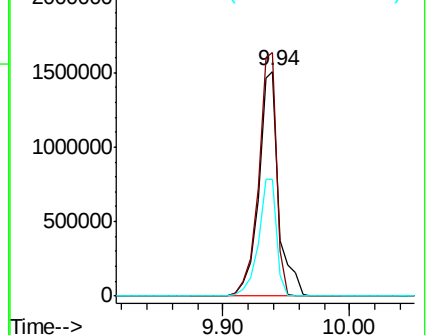
152 52.1 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





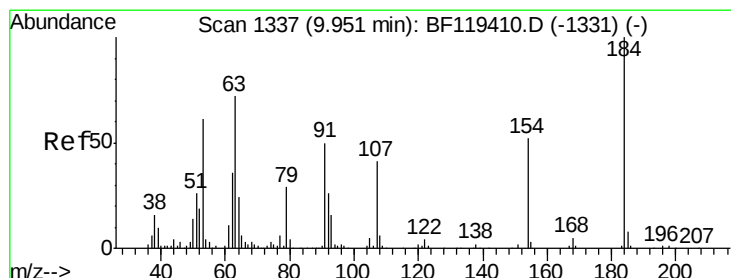
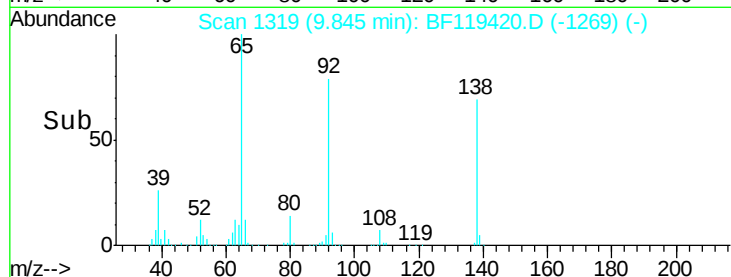
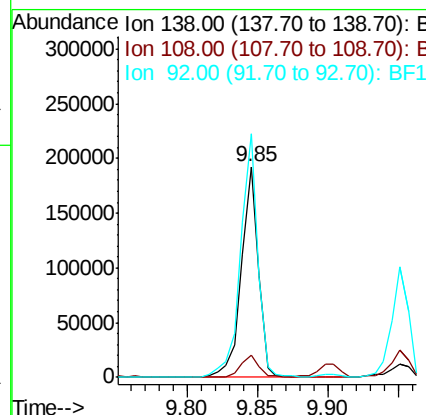
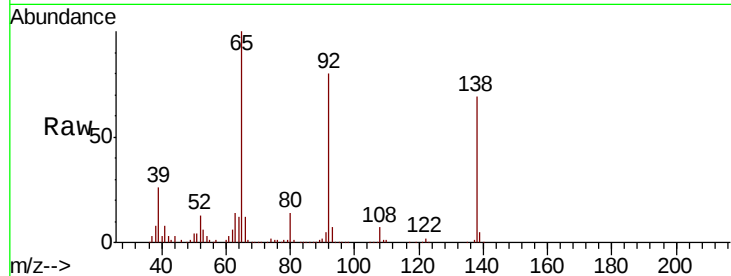
#53
3-Nitroaniline
Concen: 13.243 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.6
92	115.6	93.2	139.8

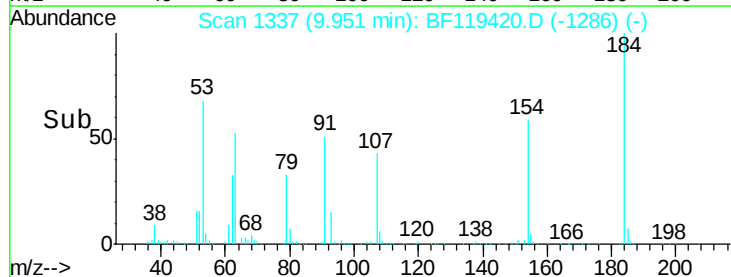
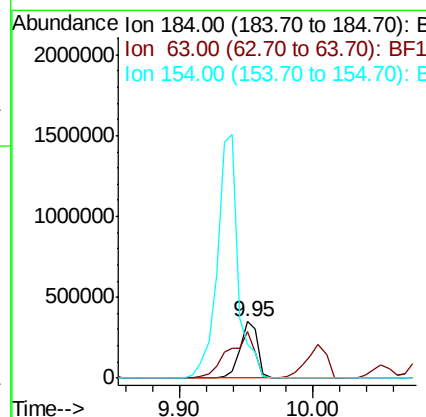
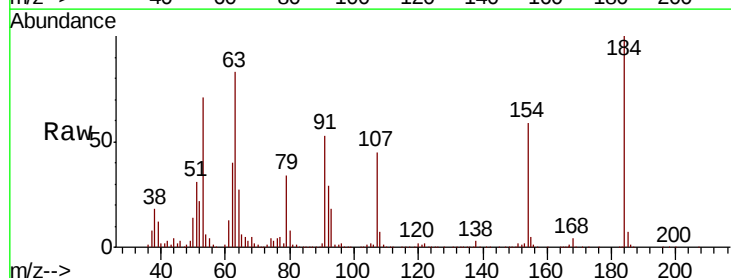
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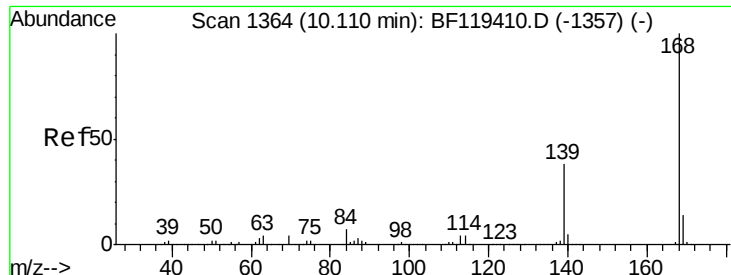
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#54
2,4-Dinitrophenol
Concen: 77.134 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
184	100		
63	82.8	58.5	87.7
154	59.2	51.8	77.6





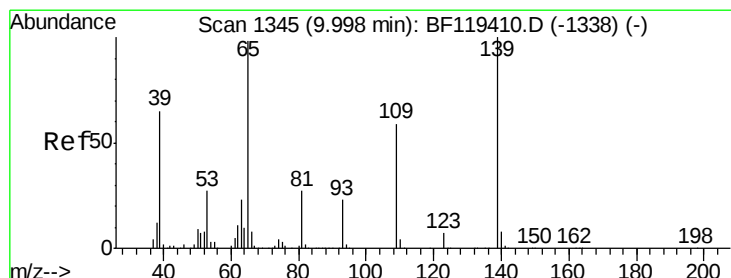
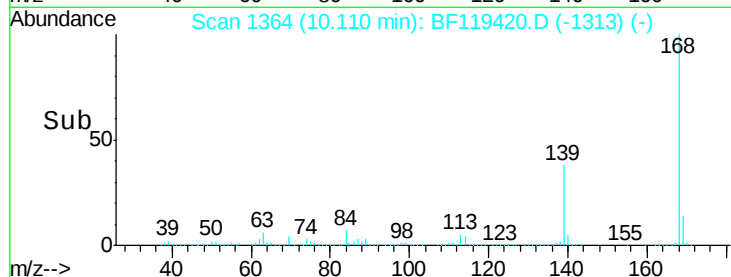
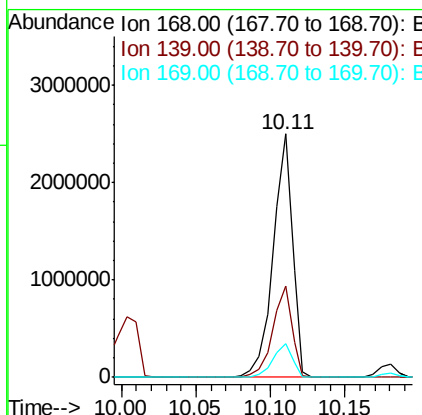
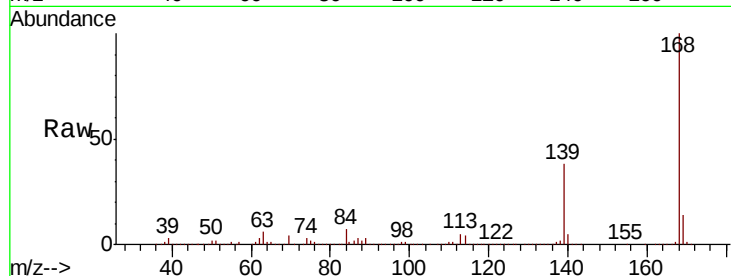
#55
Dibenzenofuran
Concen: 39.458 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.2	45.4
169	14.0	11.1	16.7

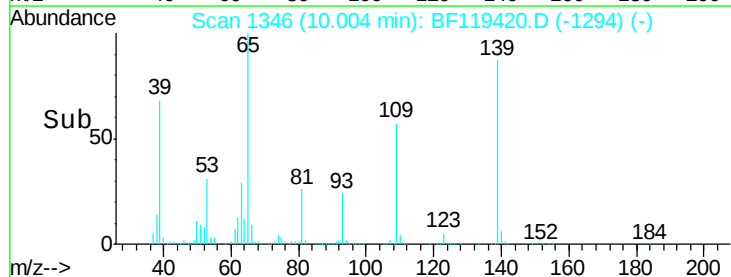
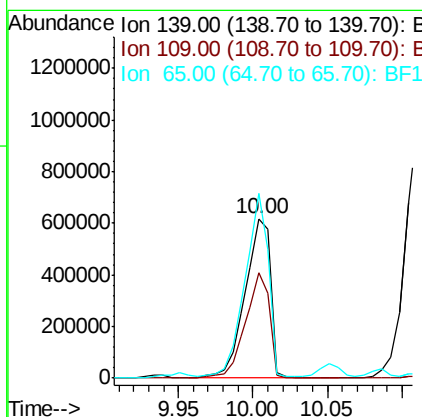
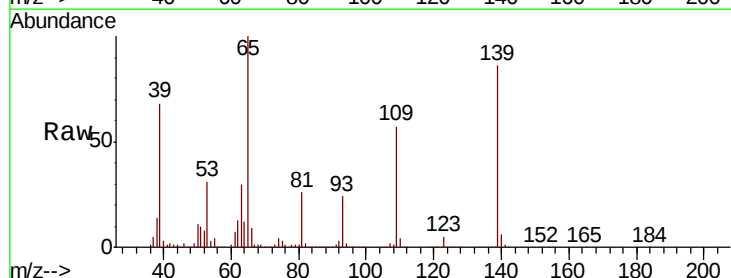
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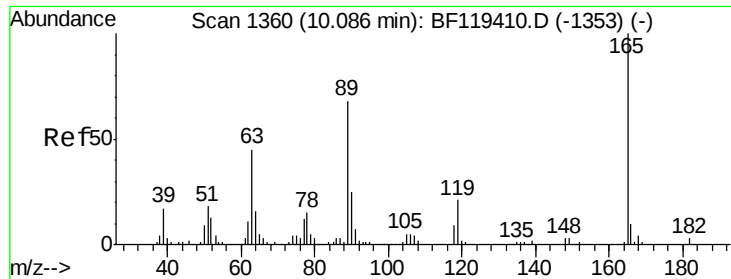
mohammad
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#56
4-Nitrophenol
Concen: 74.804 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.2	39.6	79.6
65	115.7	78.3	118.3





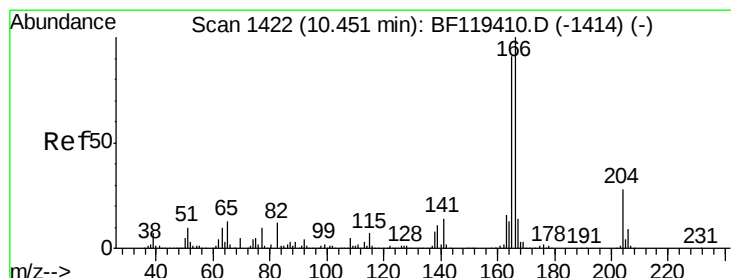
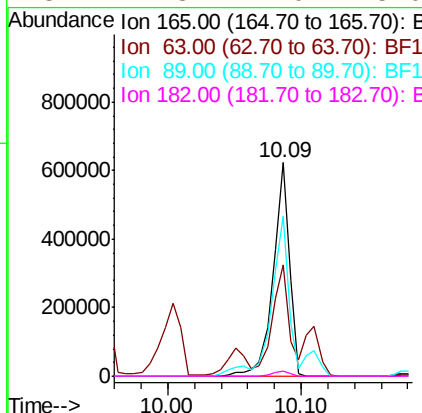
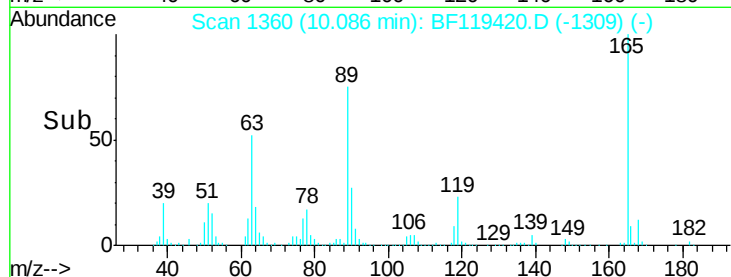
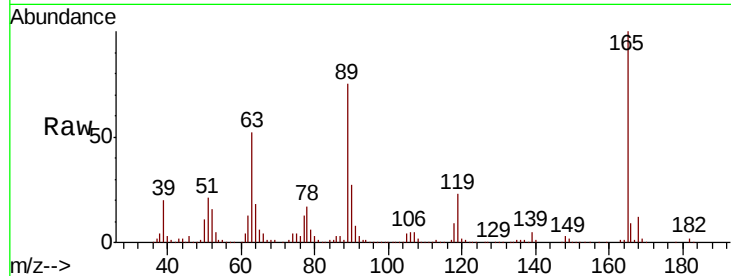
#57
2,4-Dinitrotoluene
Concen: 43.877 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		536033		
63	52.3	36.2	54.4		
89	74.8	54.3	81.5		
182	2.3	2.0	3.0		

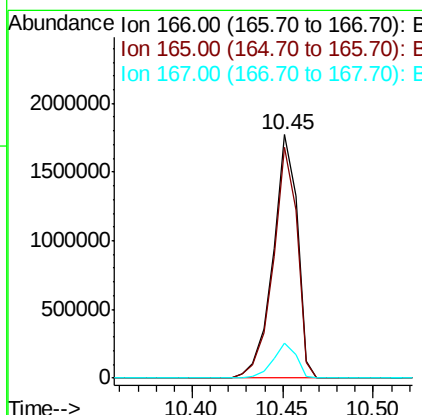
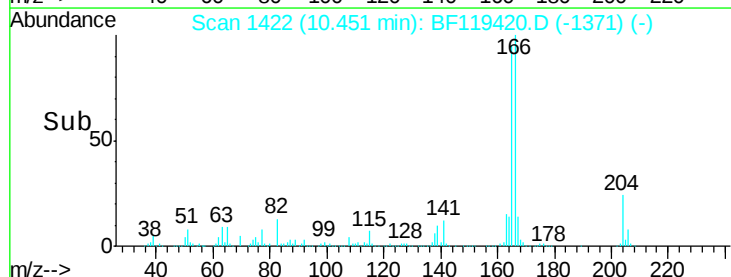
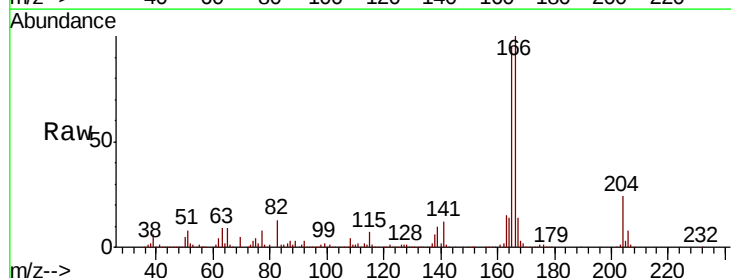
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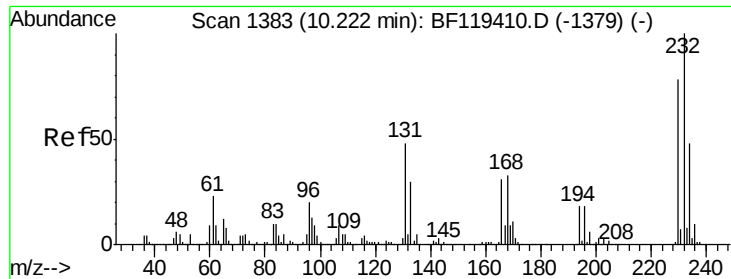
mohammad
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#58
Fluorene
Concen: 39.145 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1651115		
165	94.7	73.1	109.7		
167	14.2	11.0	16.6		





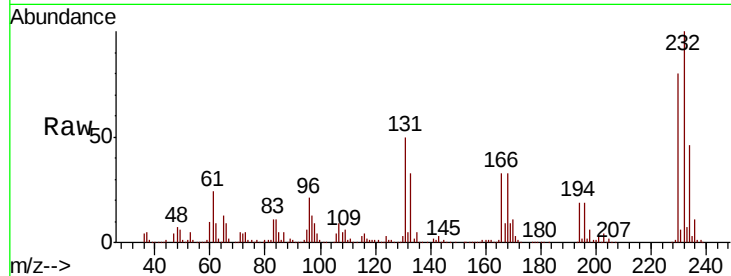
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.476 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

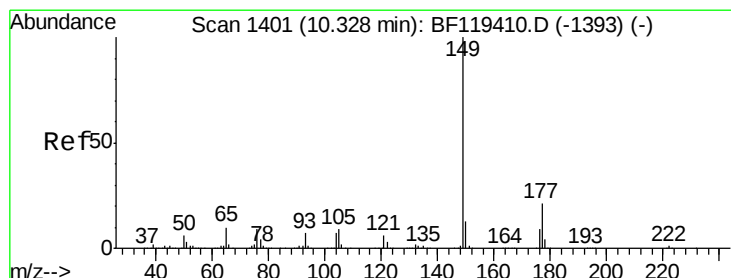
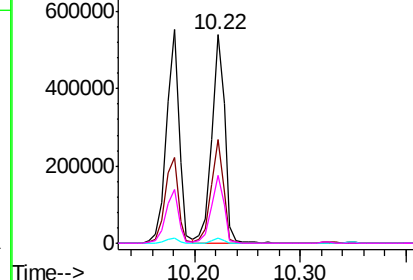
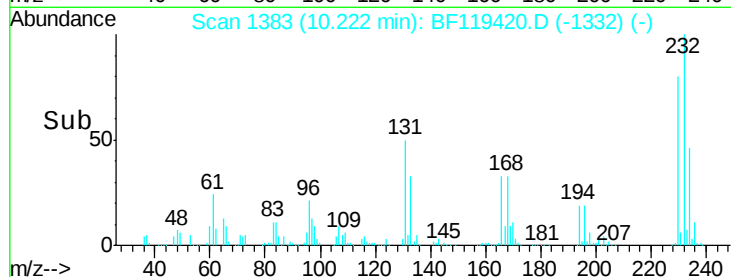
Tot Ion:	232	Resp:	464026
Ion Ratio	Lower	Upper	
232	100		
131	46.8	36.3	54.5
130	2.3	1.8	2.6
166	31.0	24.9	37.3

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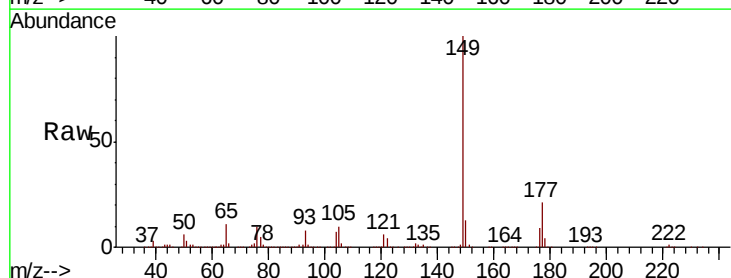


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

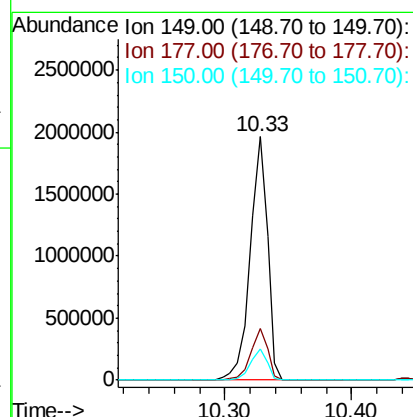
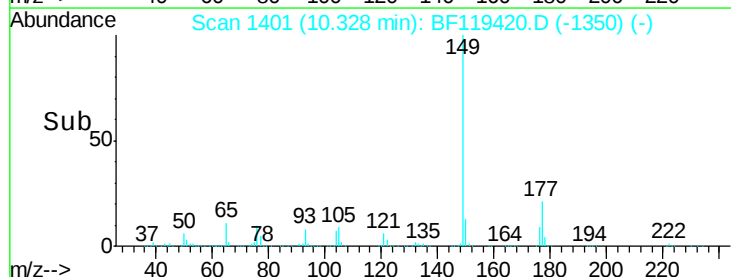


#60
 Diethylphthalate
 Concen: 40.351 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion:	149	Resp:	1852929
Ion Ratio	Lower	Upper	
149	100		
177	21.4	17.0	25.6
150	13.0	10.2	15.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





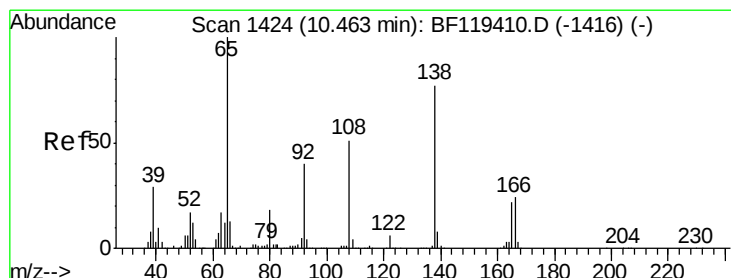
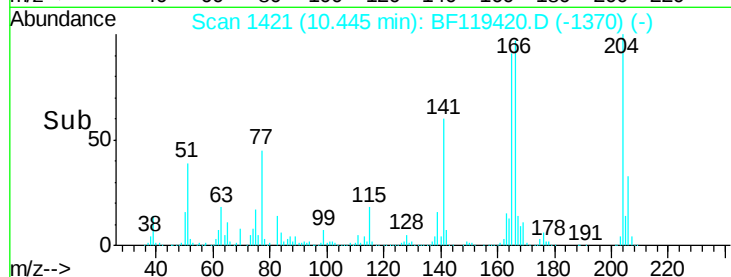
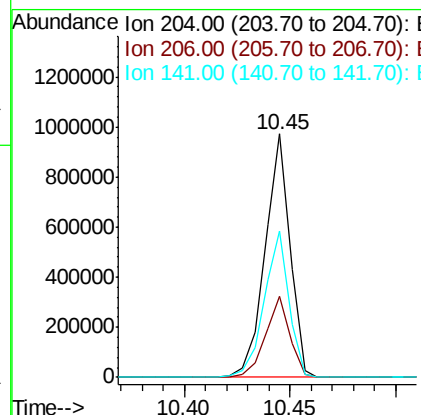
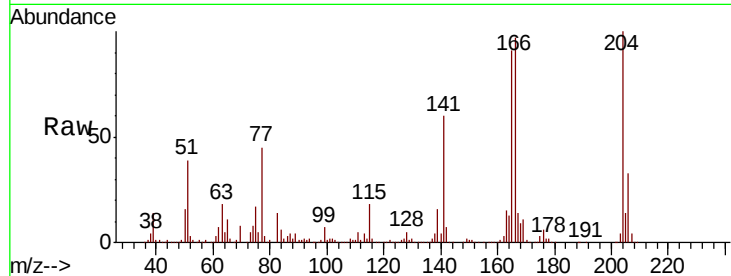
#61
 4-Chlorophenyl-phenylether
 Concen: 38.850 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tot Ion:	204	Resp:	801331
Ion Ratio	Lower	Upper	
204	100		
206	33.2	26.7	40.1
141	60.1	48.8	73.2

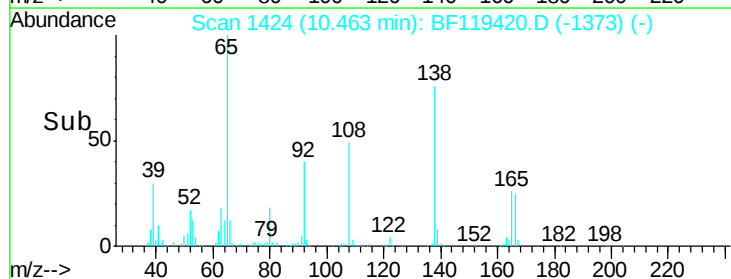
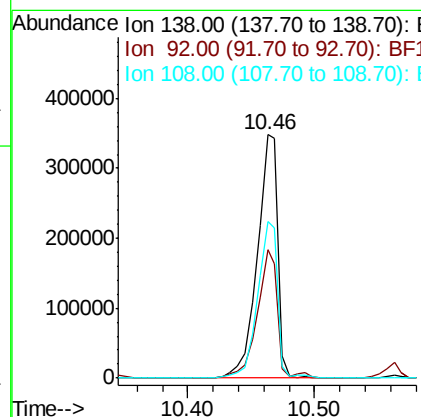
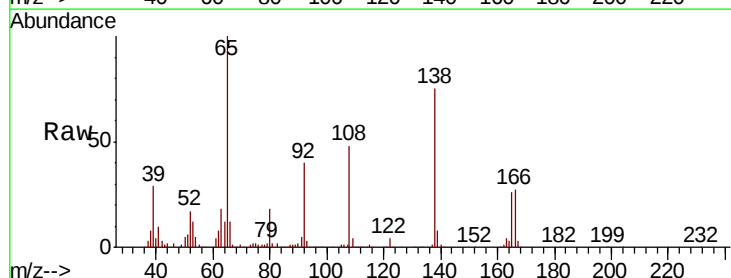
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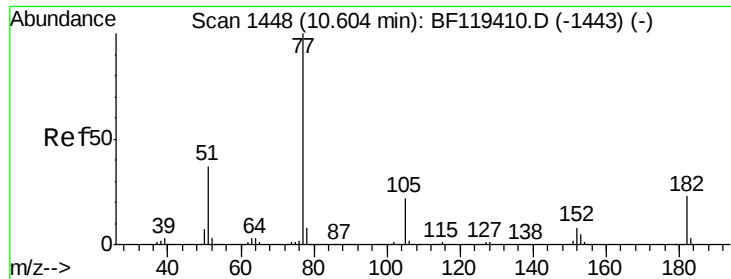
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#62
 4-Nitroaniline
 Concen: 33.798 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion:	138	Resp:	396811
Ion Ratio	Lower	Upper	
138	100		
92	52.9	32.0	72.0
108	64.1	46.0	86.0





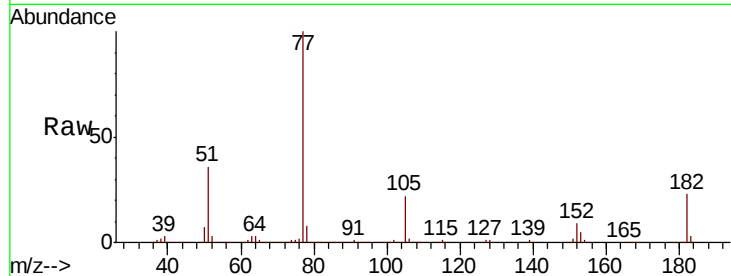
#63
Azobenzene
Concen: 39.960 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	23.3	2.5	42.5	
105	22.4	2.5	42.5	
51	36.0	17.1	57.1	

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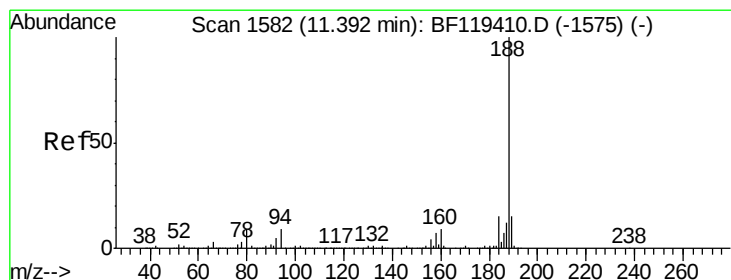
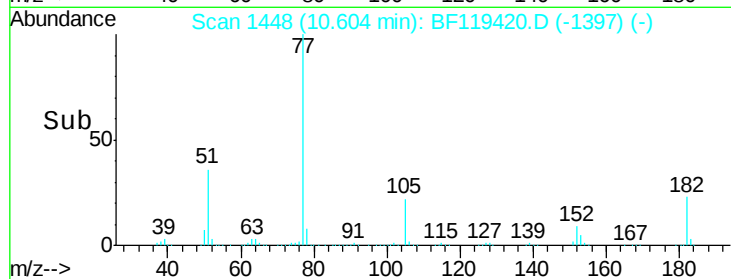
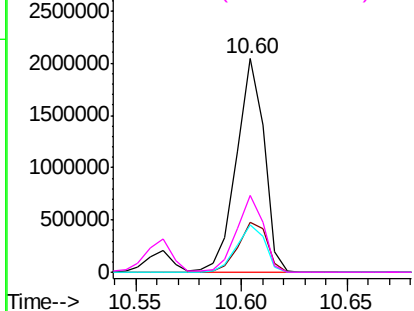
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

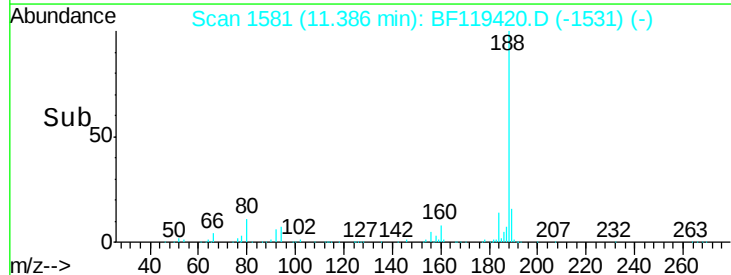
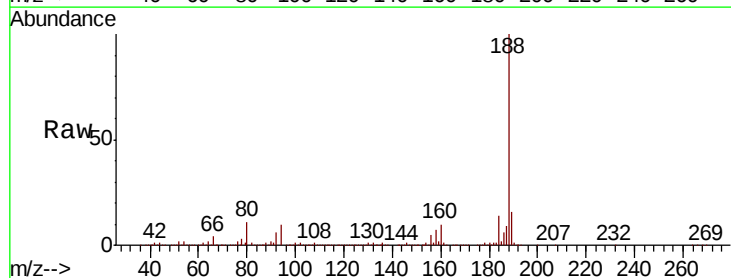
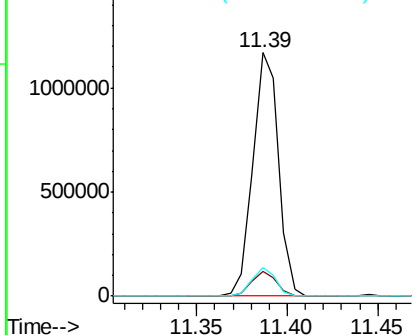
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.2	7.1	10.7	
80	11.5	7.5	11.3#	

Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 48.135 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

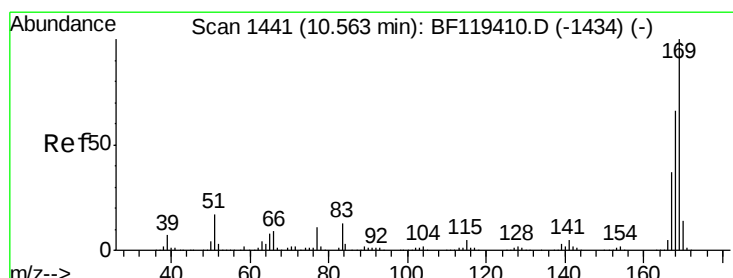
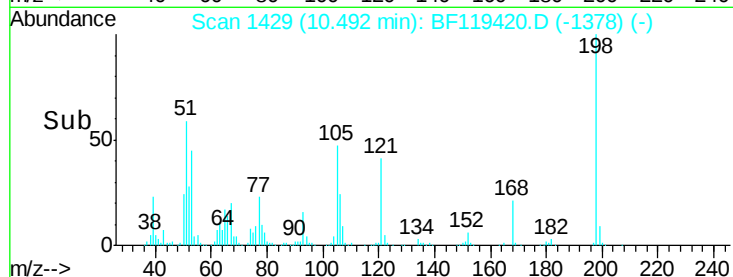
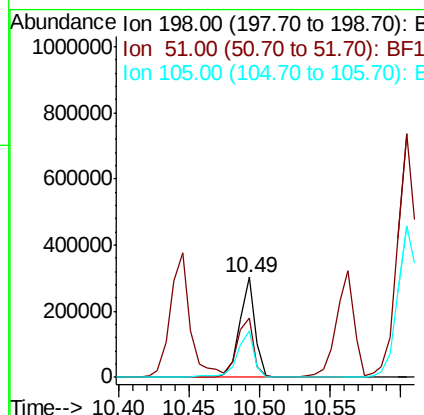
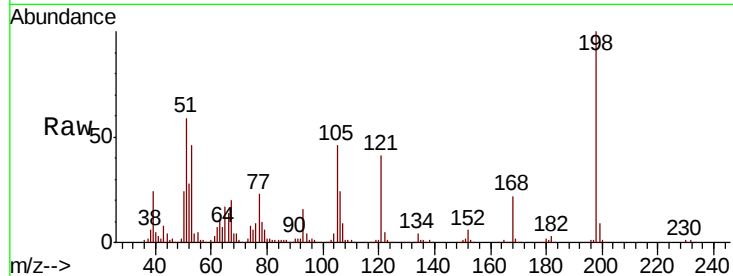
ClientSampled :

VNJ-219MSD

Tot Ion:	198	Resp:	231694
Ion Ratio	Lower	Upper	
198	100		
51	59.2	33.1	73.1
105	46.5	24.1	64.1

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#66

n-Nitrosodiphenylamine

Concen: 40.979 ng

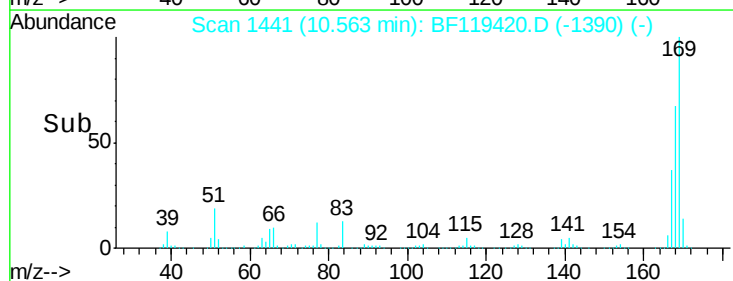
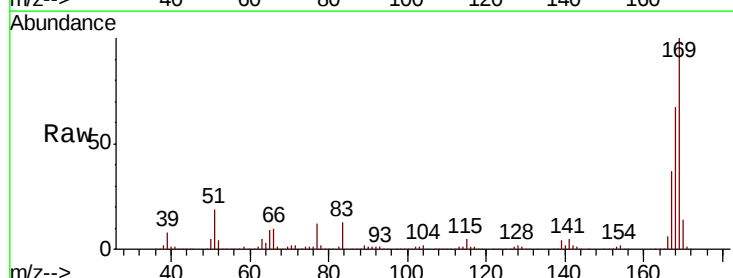
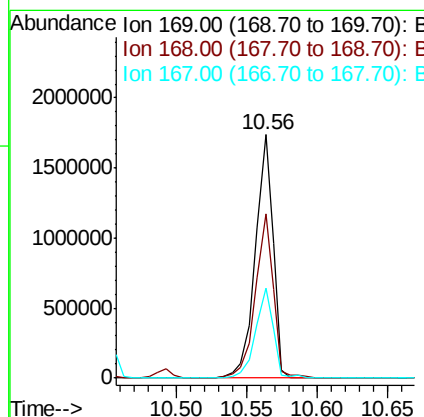
RT: 10.56 min Scan# 1441

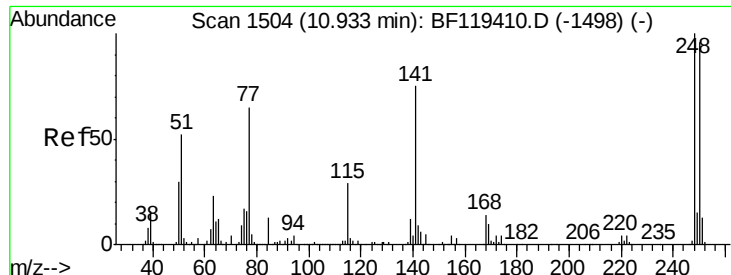
Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion:	169	Resp:	1544251
Ion Ratio	Lower	Upper	
169	100		
168	67.3	52.7	79.1
167	36.9	29.3	43.9





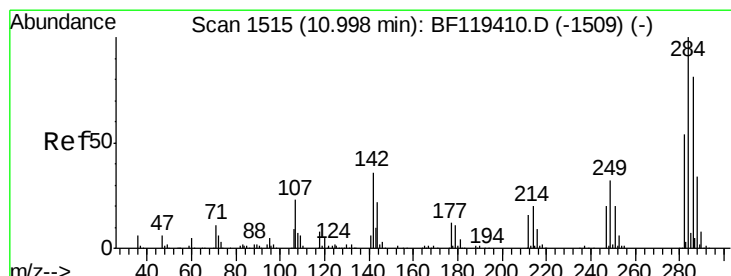
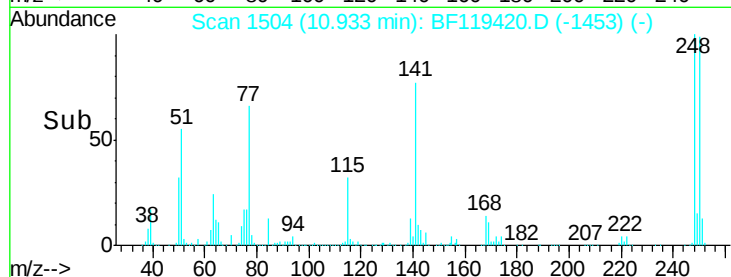
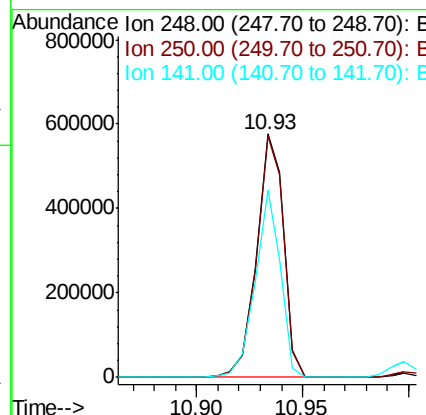
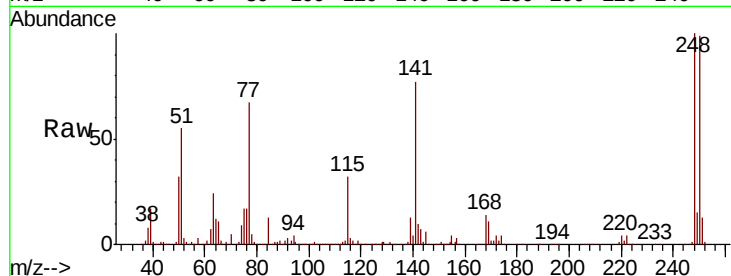
#67
 4-Bromophenyl-phenylether
 Concen: 39.238 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tot Ion:	248	Resp:	512961
Ion Ratio	Lower	Upper	
248	100		
250	98.8	77.0	115.6
141	77.1	59.7	89.5

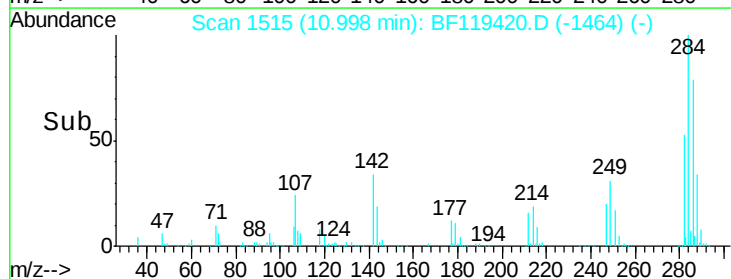
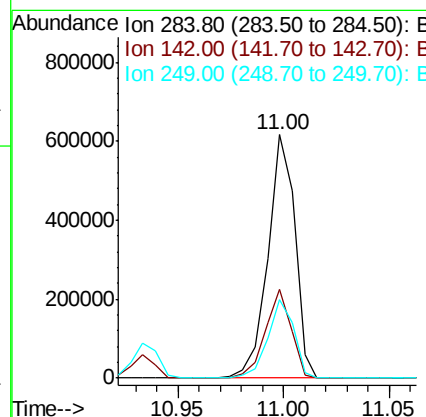
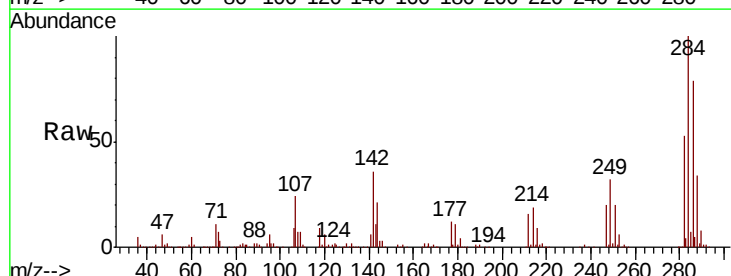
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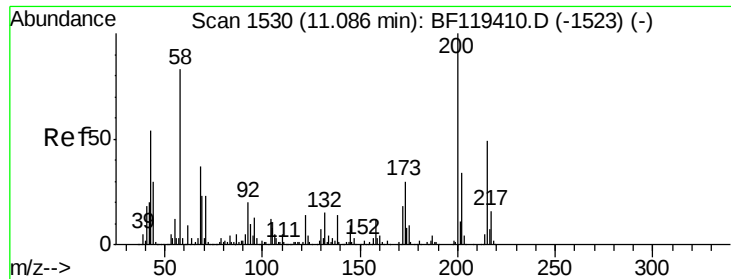
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#68
 Hexachlorobenzene
 Concen: 41.127 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion:	284	Resp:	550281
Ion Ratio	Lower	Upper	
284	100		
142	36.5	28.7	43.1
249	32.0	25.4	38.0





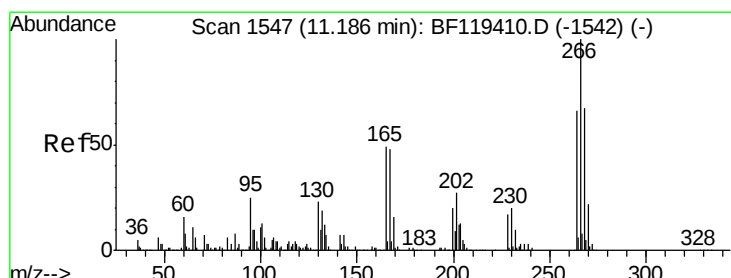
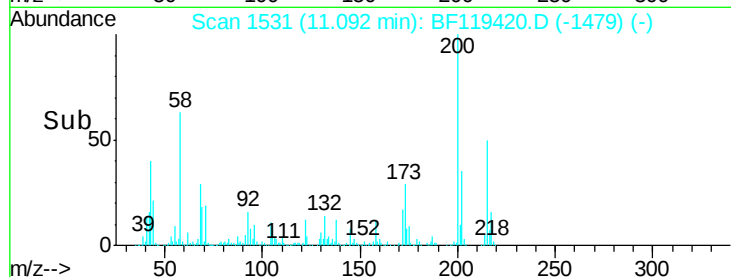
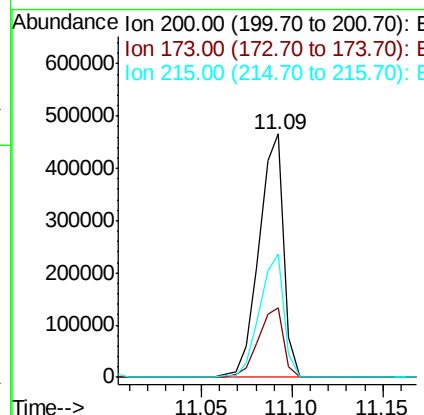
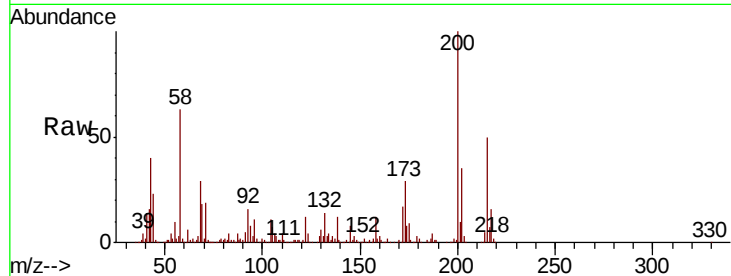
#69
Atrazine
Concen: 42.505 ng
RT: 11.09 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.7	9.9	49.9	
215	50.4	29.4	69.4	

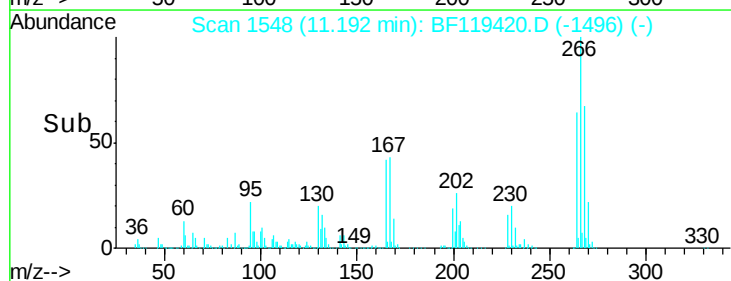
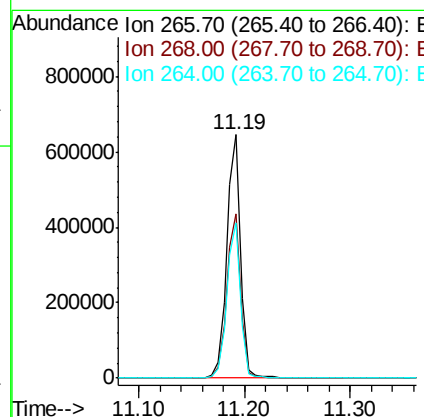
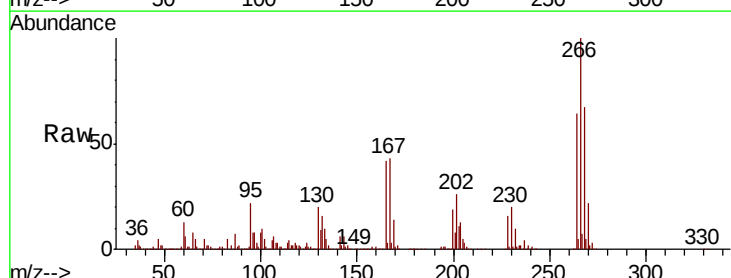
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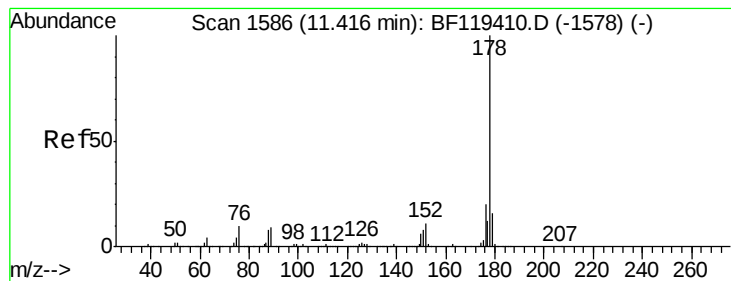
mohammad
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#70
Pentachlorophenol
Concen: 75.399 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	67.2	53.7	80.5	
264	63.6	52.5	78.7	





#71

Phenanthrene

Concen: 39.339 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:178 Resp: 2341492

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

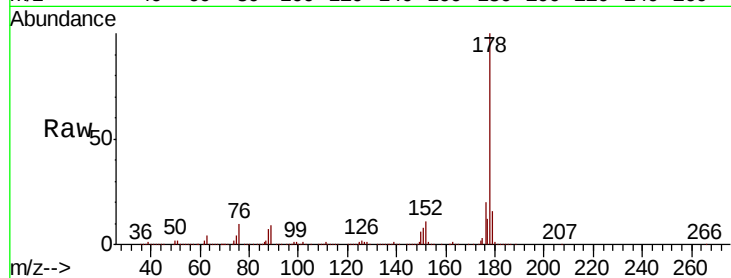
179 16.4 12.9 19.3

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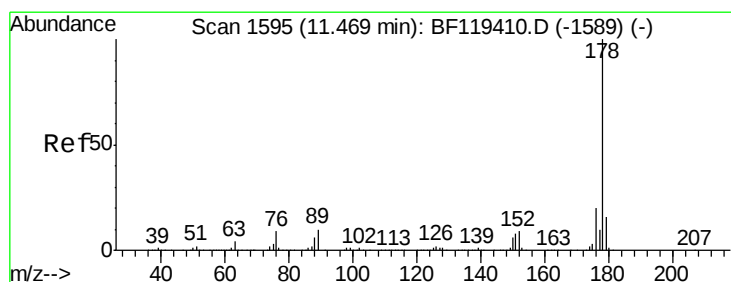
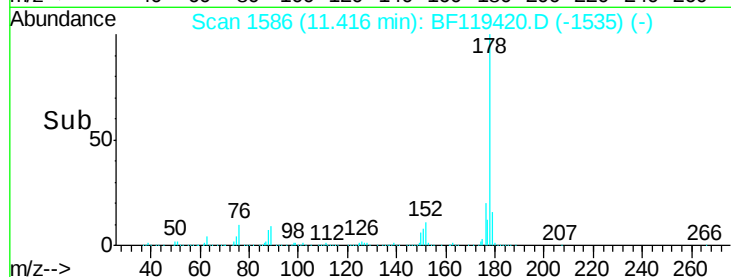
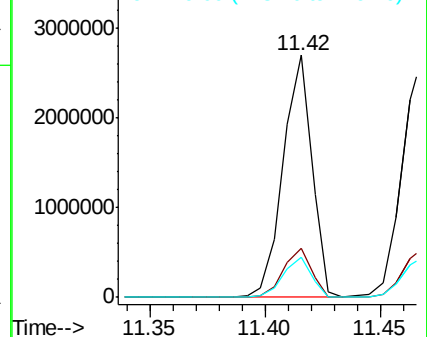
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.180 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion:178 Resp: 2430671

Ion Ratio Lower Upper

178 100

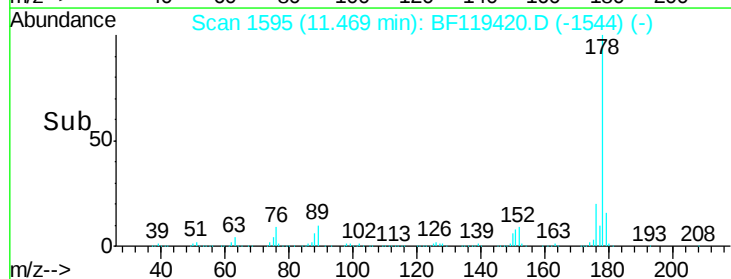
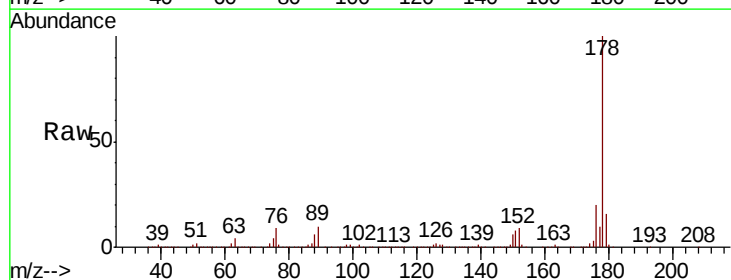
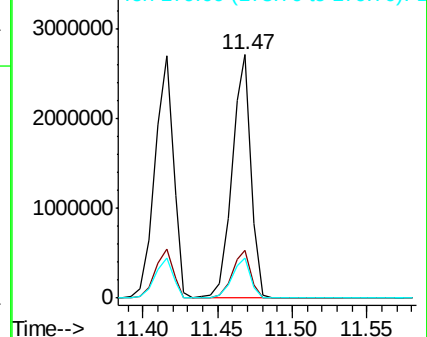
176 19.8 15.6 23.4

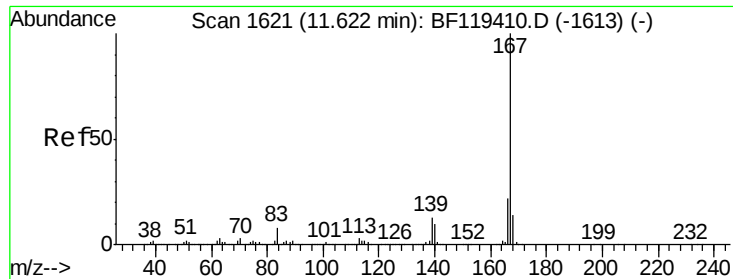
179 16.3 13.1 19.7

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 37.032 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:167 Resp: 2217382

Ion Ratio Lower Upper

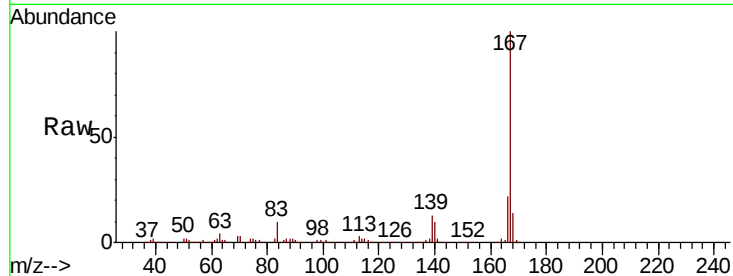
167 100

166 22.2 17.8 26.6

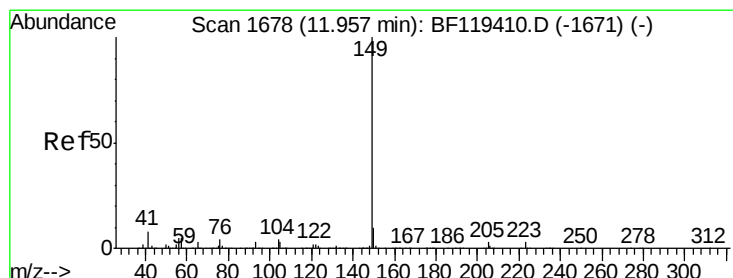
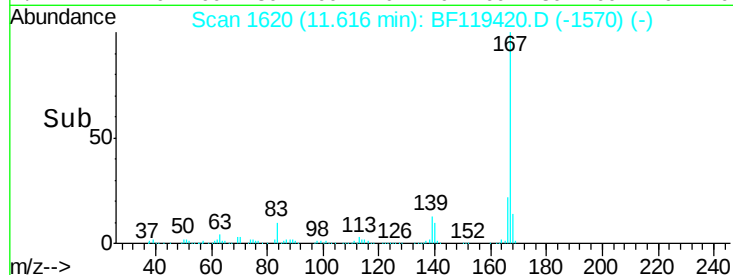
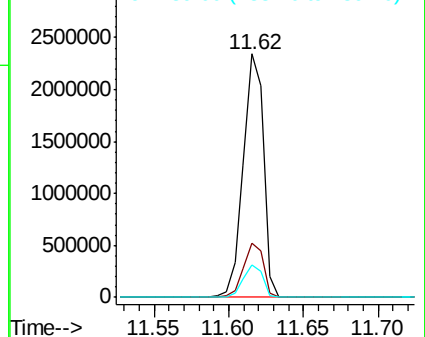
139 13.5 10.2 15.4

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 42.508 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

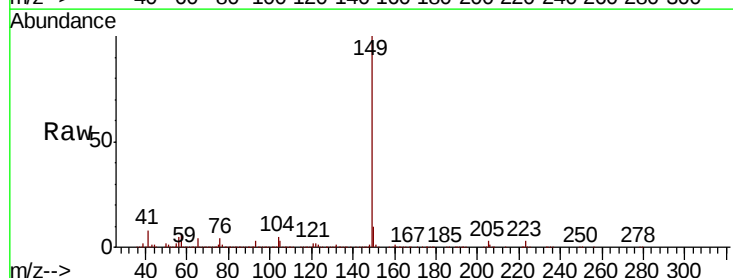
Tgt Ion:149 Resp: 2722773

Ion Ratio Lower Upper

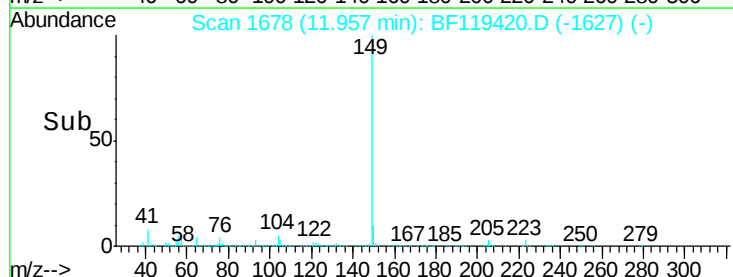
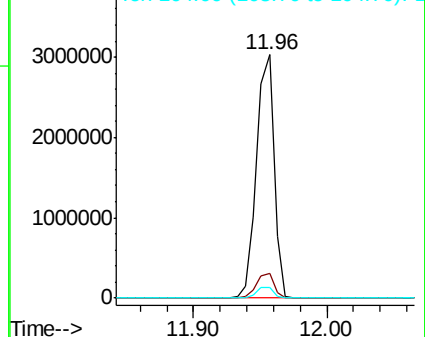
149 100

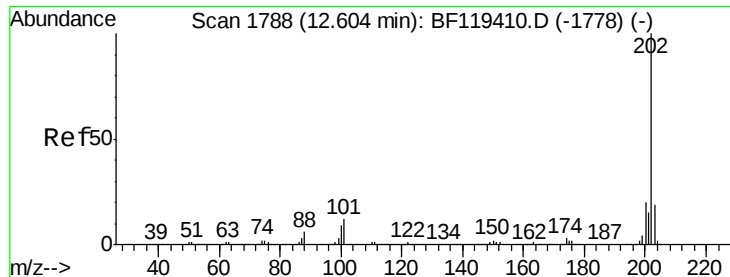
150 10.1 7.6 11.4

104 4.6 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 37.641 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

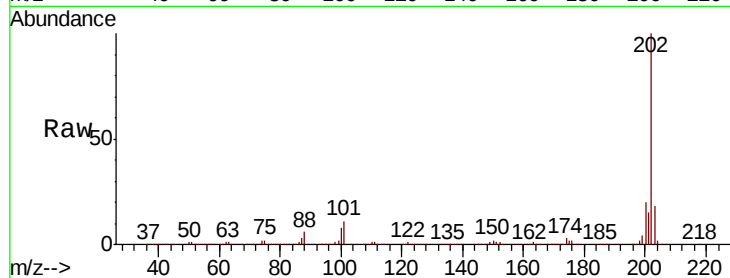
ClientSampleId :

VNJ-219MSD

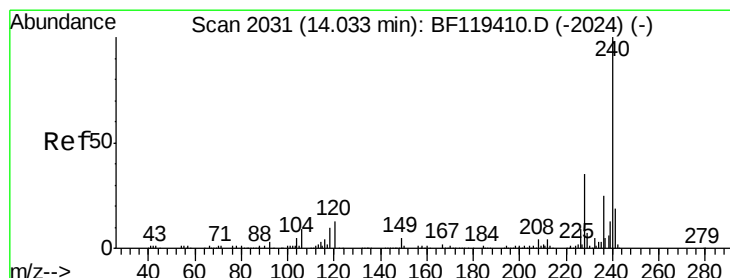
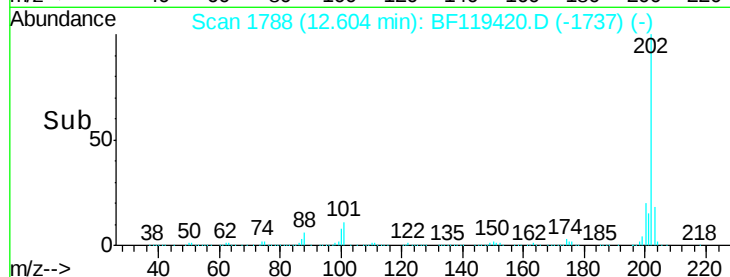
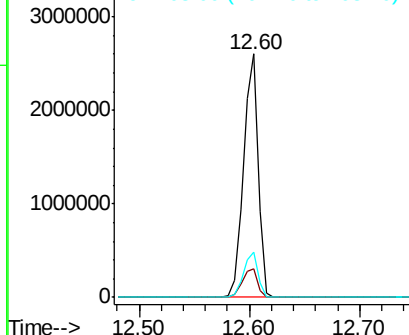
Tot Ion:	202	Resp:	2424720
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.4
203	18.3	0.0	38.5

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

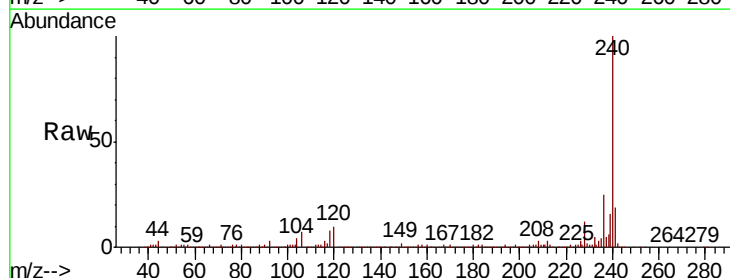
RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

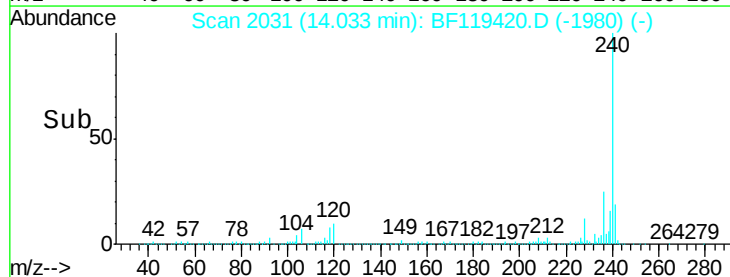
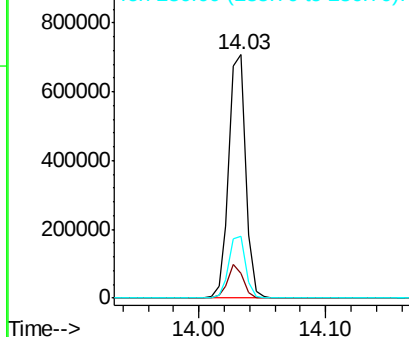
Lab File: BF119420.D

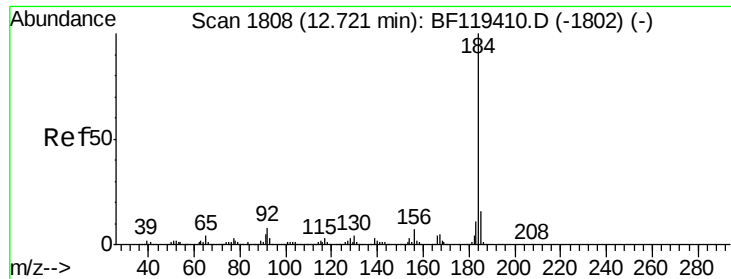
Acq: 18 Mar 2020 17:34

Tgt Ion:	240	Resp:	652794
Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.2	15.4
236	25.2	20.4	30.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.276 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

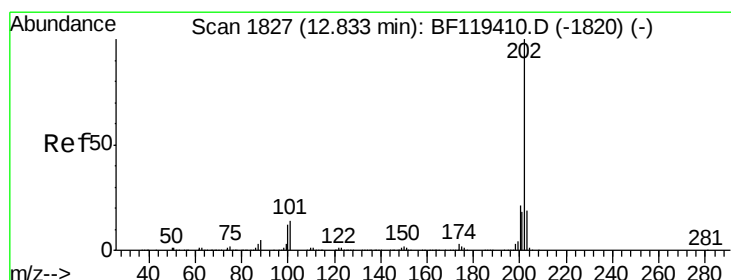
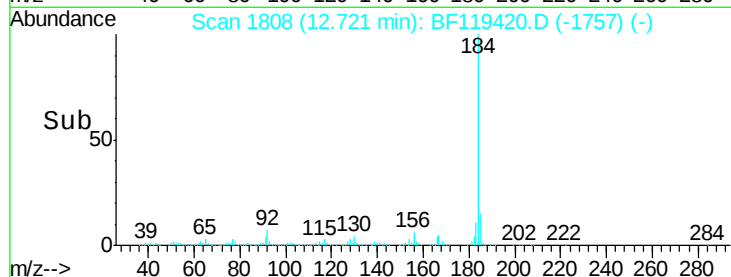
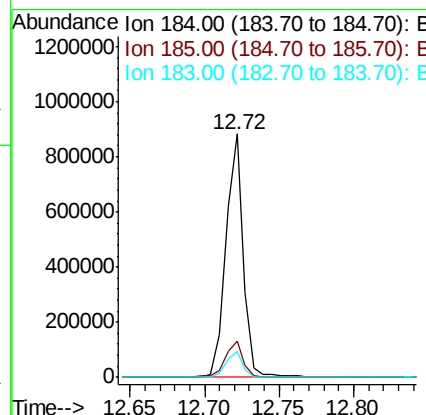
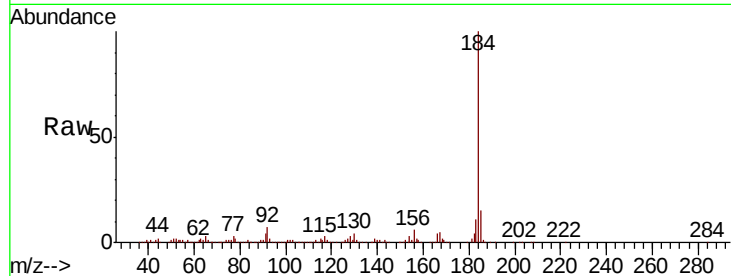
ClientSampleId :

VNJ-219MSD

Tot Ion:	184	Resp:	725924
Ion Ratio	Lower	Upper	
184	100		
185	15.1	12.9	19.3
183	10.8	9.0	13.4

Manual Integrations
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#78

Pyrene

Concen: 44.871 ng

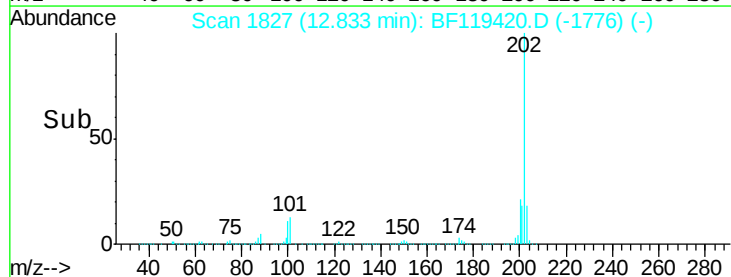
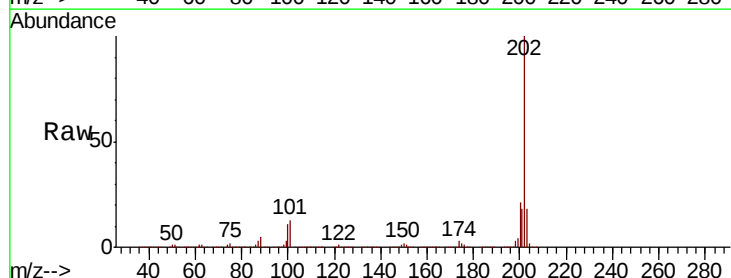
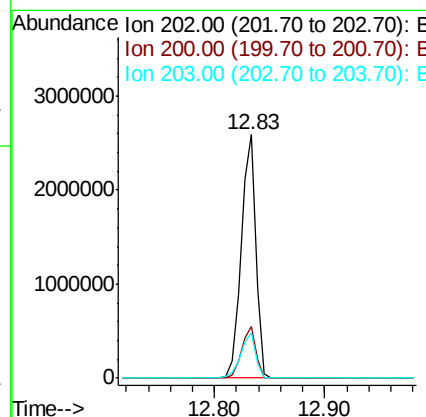
RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion:	202	Resp:	2403943
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.8	25.2
203	18.5	14.8	22.2





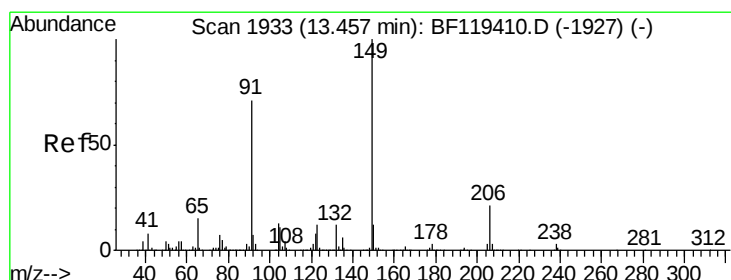
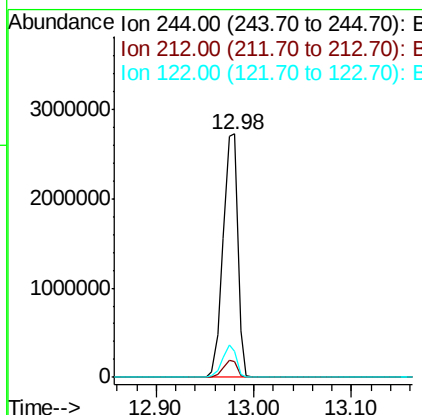
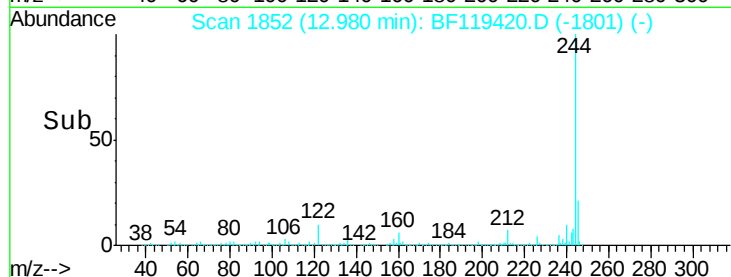
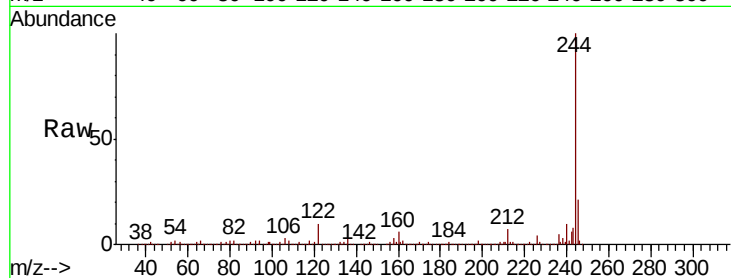
#79
Terphenyl-d14
Concen: 85.776 ng
RT: 12.98 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.5	9.8	14.8

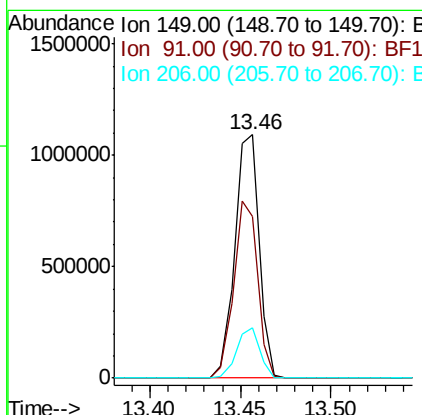
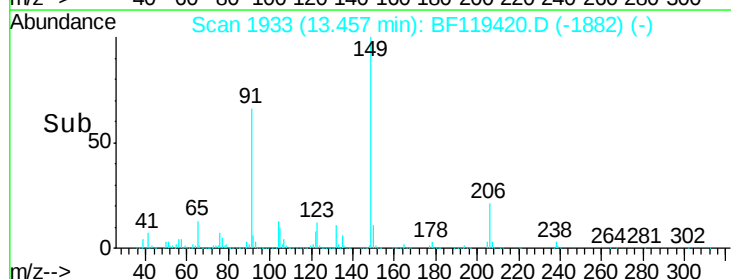
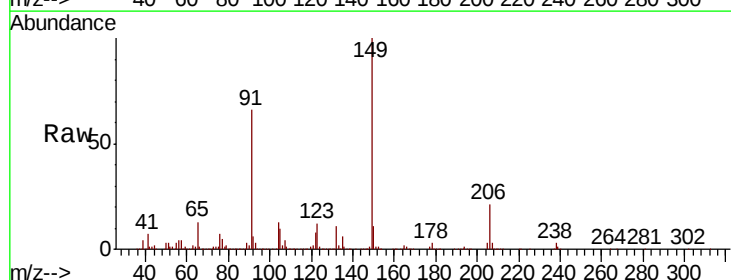
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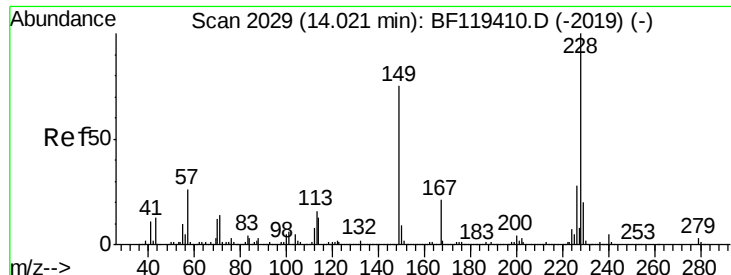
mohammad
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#80
Butylbenzylphthalate
Concen: 47.207 ng
RT: 13.46 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.4	57.0	85.6
206	20.7	16.4	24.6





#81

Benzo(a)anthracene

Concen: 39.884 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:228 Resp: 1693091

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

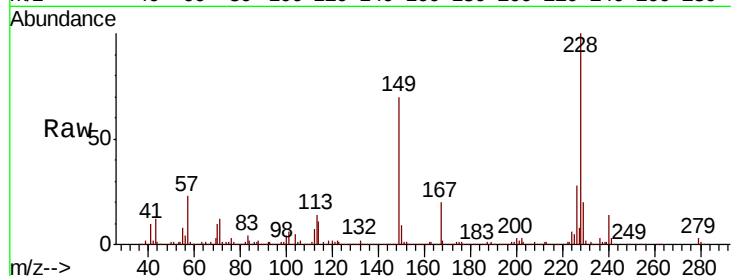
229 20.0 16.3 24.5

Manual Integrations

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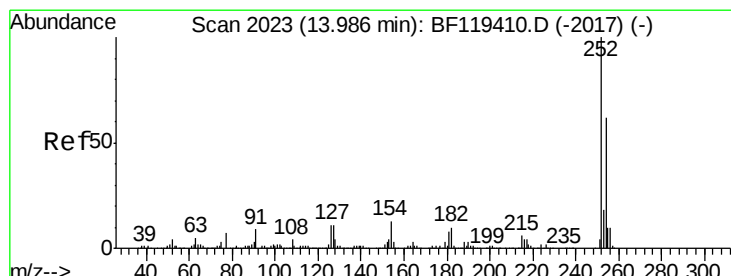
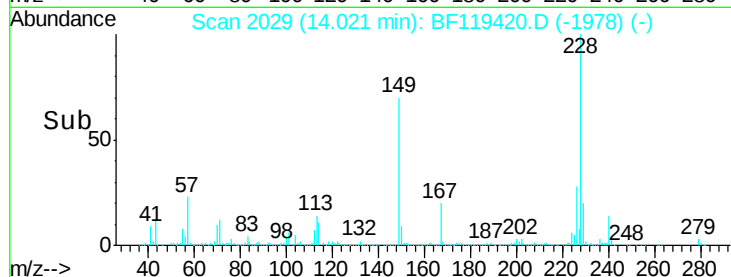
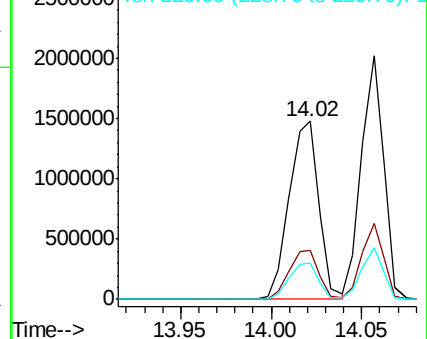


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.271 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

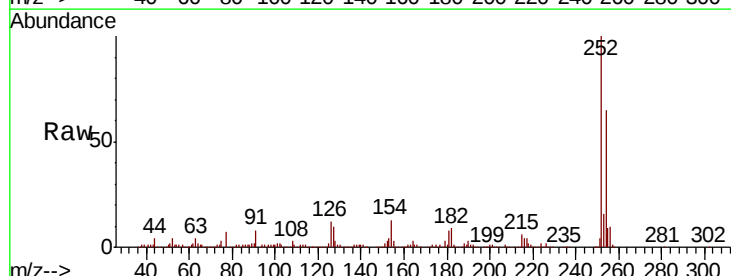
Tgt Ion:252 Resp: 372763

Ion Ratio Lower Upper

252 100

254 64.6 49.8 74.8

126 11.9 8.9 13.3

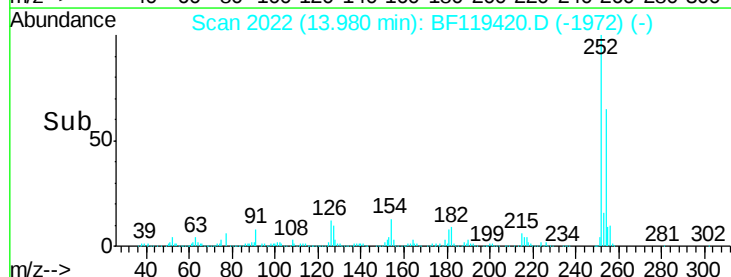
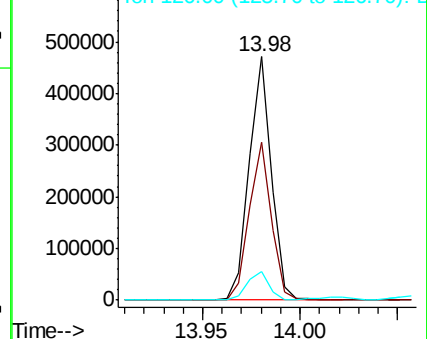


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





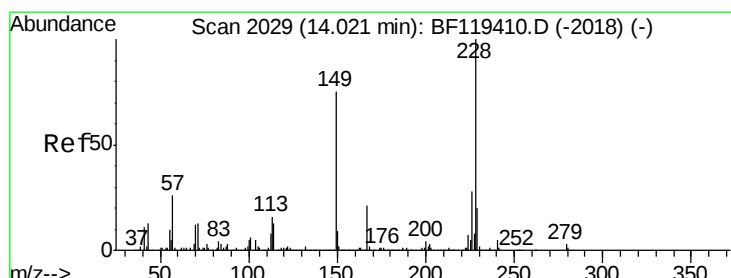
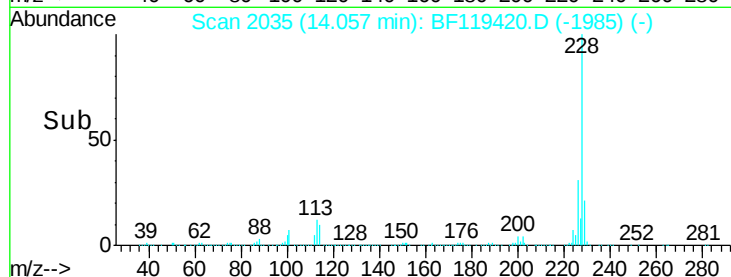
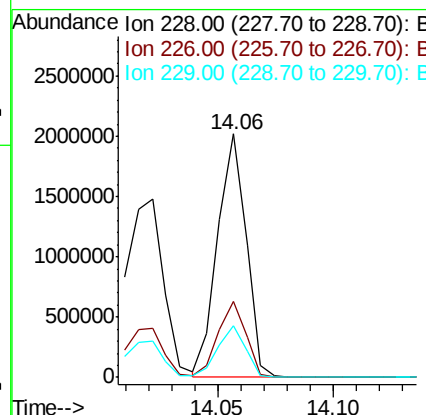
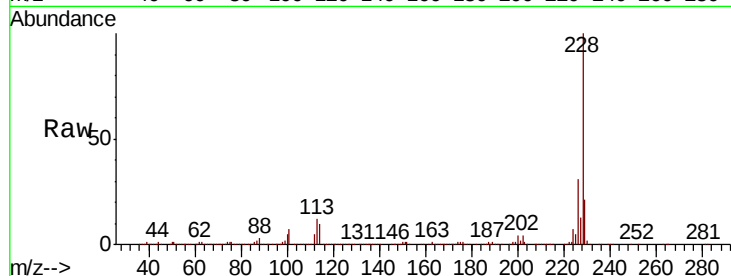
#83
Chrvsene
Concen: 39.405 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion:228 Resp: 1726329
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 21.1 16.6 25.0

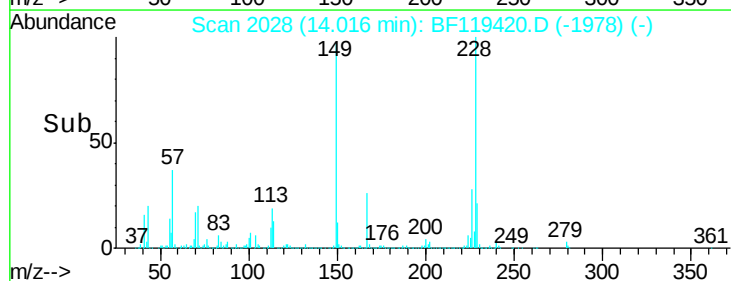
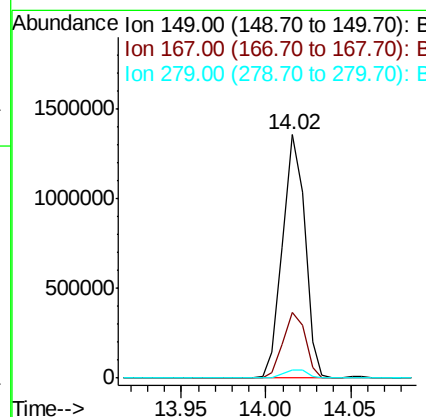
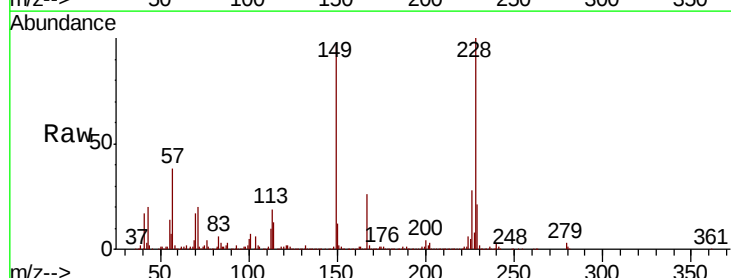
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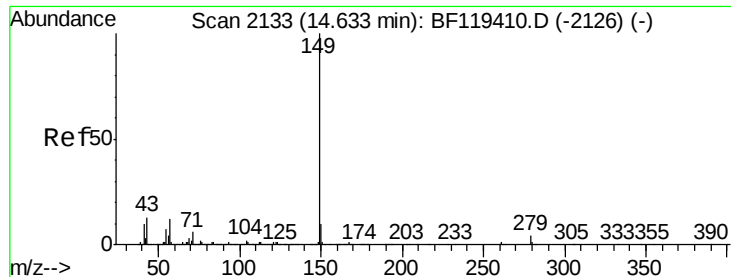
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.864 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:149 Resp: 1236348
Ion Ratio Lower Upper
149 100
167 27.1 22.0 33.0
279 3.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 45.486 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tot Ion:149 Resp: 2066351

Ion Ratio Lower Upper

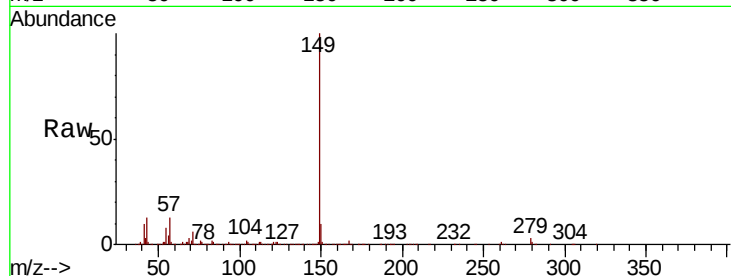
149 100

167 1.6 1.1 1.7

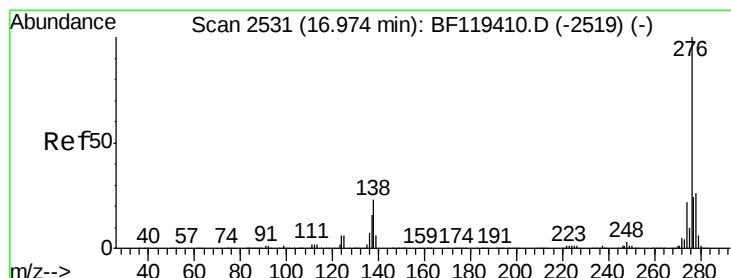
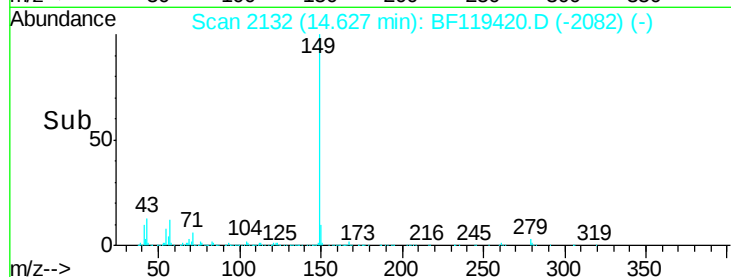
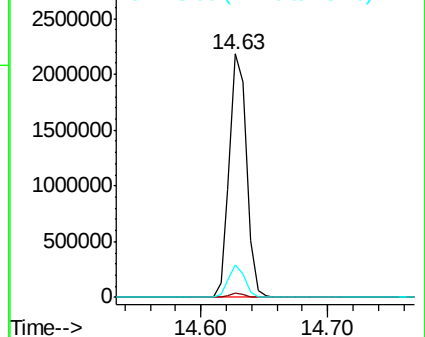
43 12.5 10.1 15.1

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Abundance Ion 149.00 (148.70 to 149.70): E
3000000 Ion 167.00 (166.70 to 167.70): E
2500000 Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.506 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

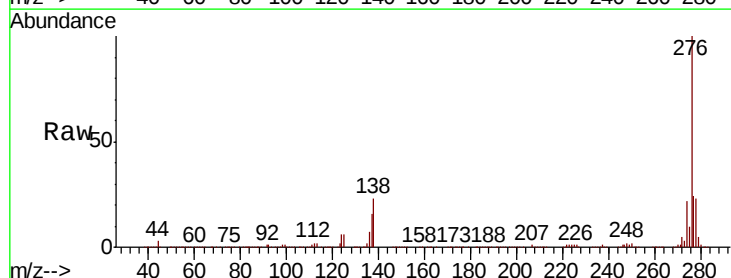
Tgt Ion:276 Resp: 1877591

Ion Ratio Lower Upper

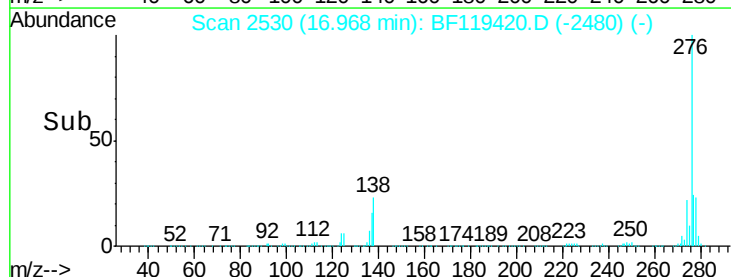
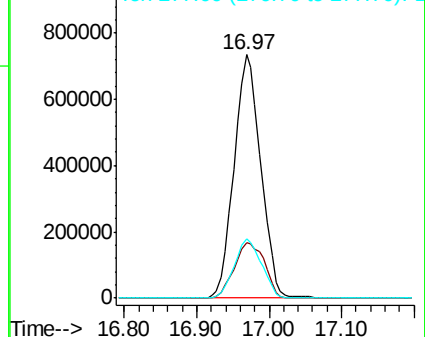
276 100

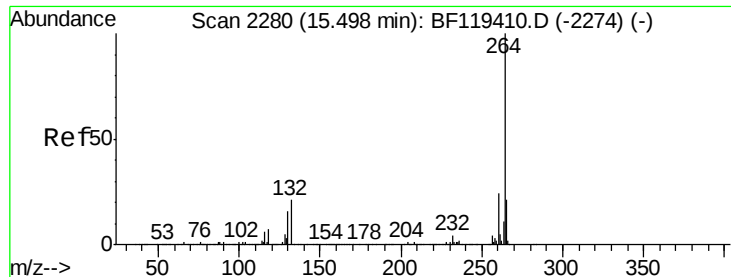
138 26.2 21.3 31.9

277 25.2 20.2 30.2



Abundance Ion 276.00 (275.70 to 276.70): E
1000000 Ion 138.00 (137.70 to 138.70): E
800000 Ion 277.00 (276.70 to 277.70): E





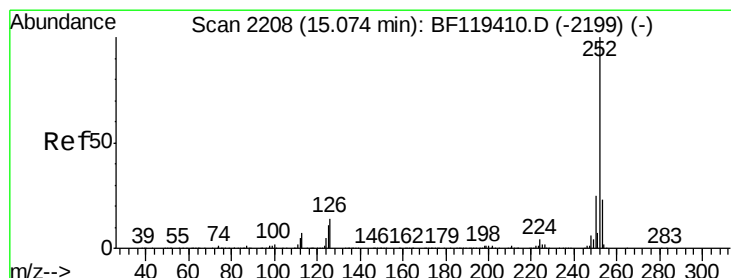
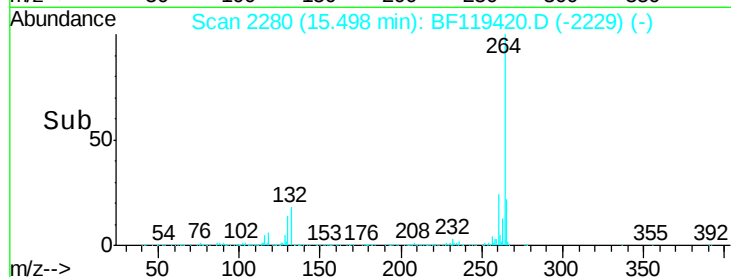
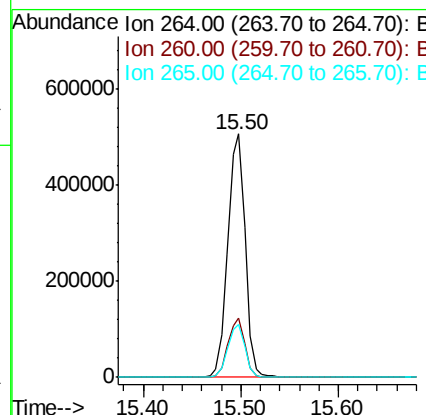
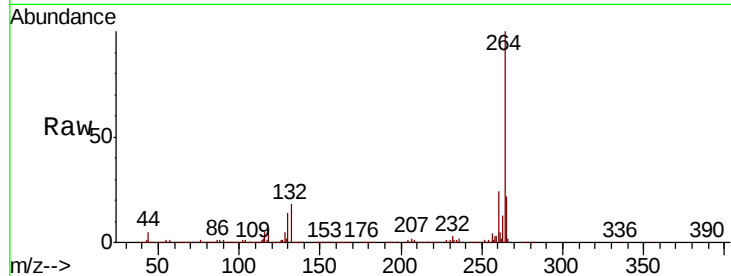
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	16.9	25.3

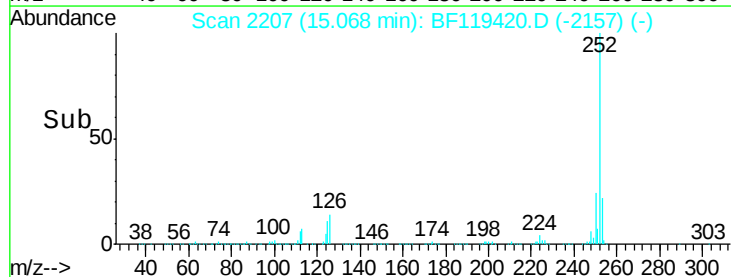
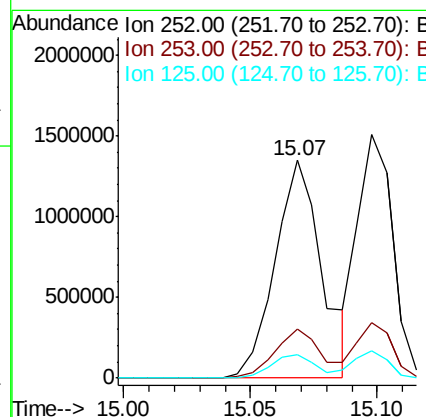
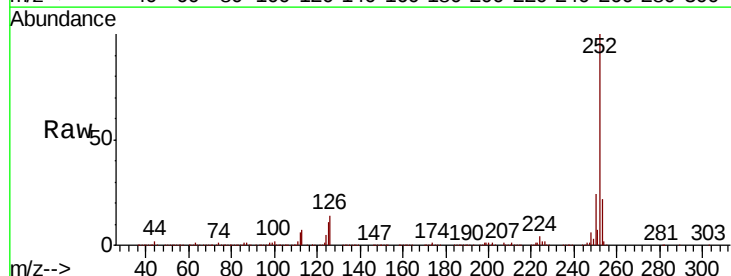
Manual Integrations
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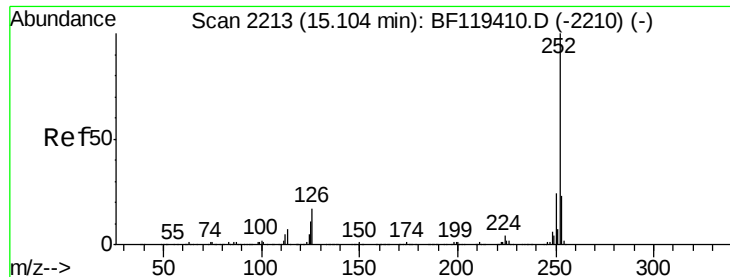
mohammad
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#88
Benzo(b)fluoranthene
Concen: 41.557 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	10.7	8.8	13.2





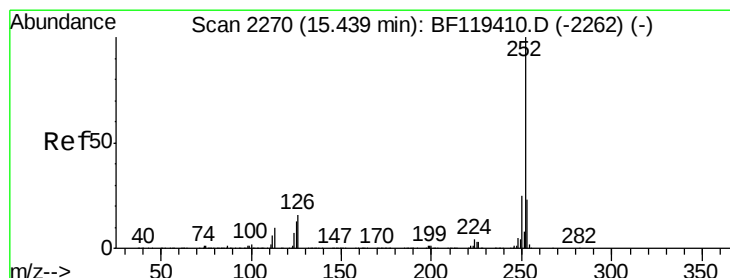
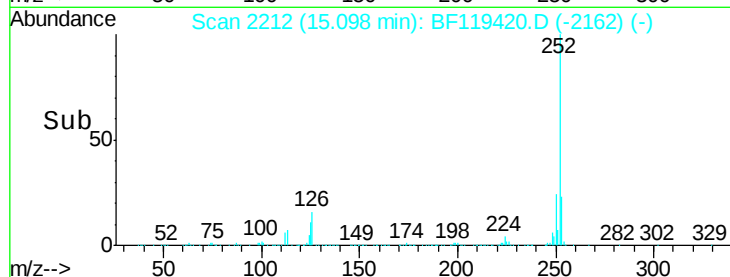
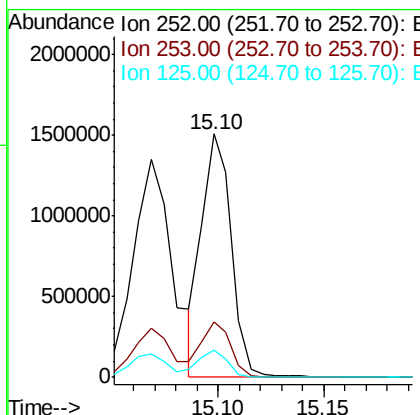
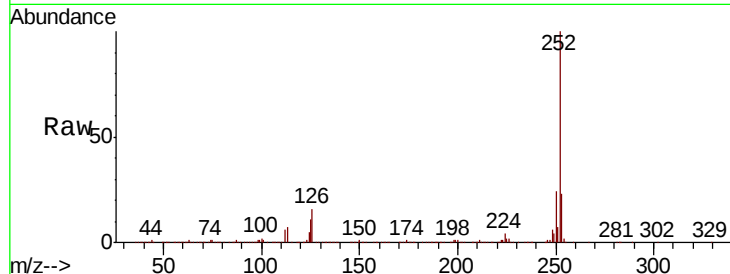
#89
Benzo(k)fluoranthene
Concen: 36.669 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	11.1	9.0	13.4

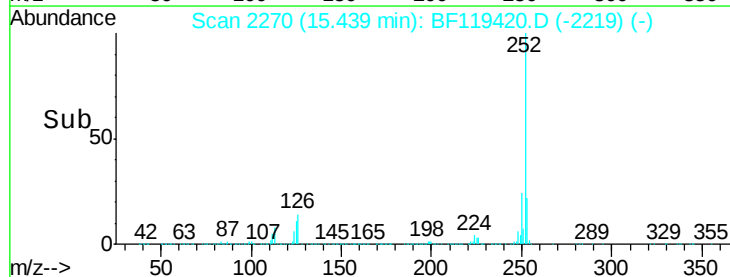
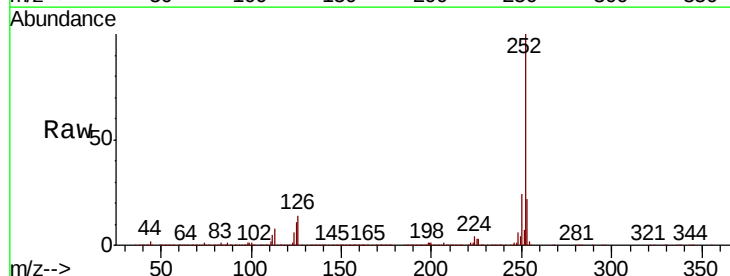
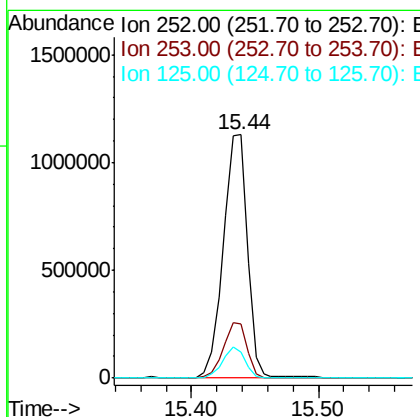
Manual Integrations
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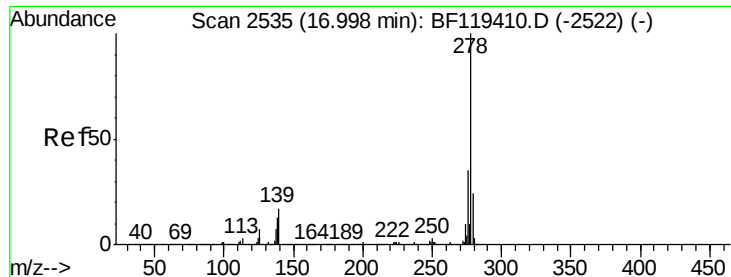
mohammad
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#90
Benzo(a)pyrene
Concen: 39.218 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	10.6	10.2	15.2





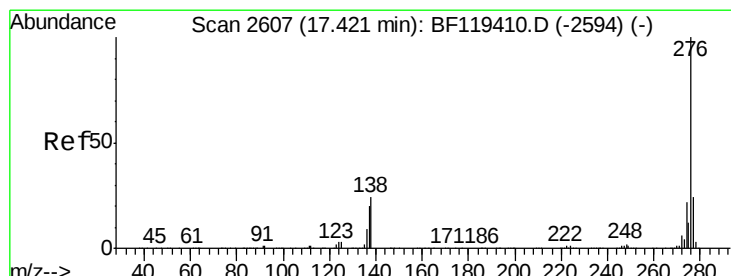
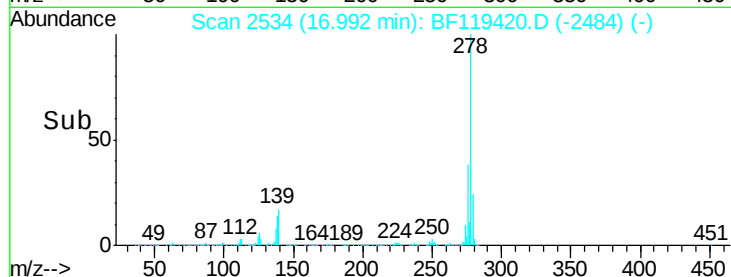
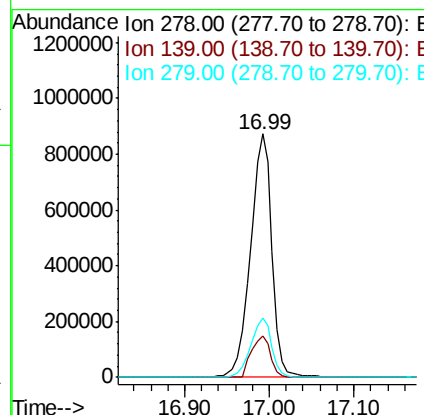
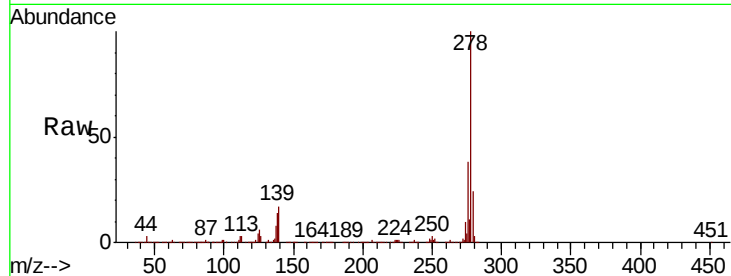
#91
Dibenzo(a,h)anthracene
Concen: 46.221 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tot Ion:278 Resp: 1537762
Ion Ratio Lower Upper
278 100
139 16.9 13.7 20.5
279 24.5 19.2 28.8

Manual Integrations
APPROVED

mohammad
3/19/2020 2:43:59 PM



#92
Benzo(g,h,i)perylene
Concen: 48.968 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:276 Resp: 1636680
Ion Ratio Lower Upper
276 100
277 23.8 18.8 28.2
138 23.2 19.1 28.7

