

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
 Data File : BF119971.D
 Acq On : 14 Apr 2020 23:57
 Operator : MA/SJ
 Sample : L2195-04MSD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Manual Integrations
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mohammad
 4/16/2020 12:51:37 PM

Quant Time: Apr 15 04:10:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 12:44:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178851	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	705098	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	366182	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	718751	20.00	ng	0.00
76) Chrysene-d12	13.90	240	500844	20.00	ng	0.00
87) Perylene-d12	15.33	264	416598	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1044362	100.91	ng	0.00
7) Phenol-d6	6.37	99	1375650	103.16	ng	0.00
23) Nitrobenzene-d5	7.30	82	950174	69.72	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	531499	118.55	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	2082653	80.75	ng	0.00
79) Terphenyl-d14	12.86	244	2691132	90.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	91561	19.864	ng	# 81
3) Pyridine	3.18	79	221968	17.551	ng	94
4) n-Nitrosodimethylamine	3.10	42	170599	26.402	ng	91
6) Aniline	6.40	93	443019	25.311	ng	99
8) 2-Chlorophenol	6.52	128	448985	38.828	ng	99
9) Benzaldehyde	6.28	77	108257	9.423	ng	100
10) Phenol	6.39	94	535583	35.402	ng	94
11) bis(2-Chloroethyl)ether	6.47	93	406204	34.774	ng	100
12) 1,3-Dichlorobenzene	6.67	146	382907	30.247	ng	99
13) 1,4-Dichlorobenzene	6.75	146	393296	30.498	ng	100
14) 1,2-Dichlorobenzene	6.90	146	379884	31.965	ng	97
15) Benzyl Alcohol	6.88	79	373954	36.105	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.02	45	742566	32.668	ng	96
17) 2-Methylphenol	7.00	107	404385	39.187	ng	97
18) Hexachloroethane	7.25	117	149066	30.930	ng	93
19) n-Nitroso-di-n-propylamine	7.16	70	341651	39.842	ng	97
20) 3+4-Methylphenols	7.15	107	496353	39.328	ng	93
22) Acetophenone	7.15	105	623241	37.747	ng	98
24) Nitrobenzene	7.32	77	489785	35.723	ng	99
25) Isophorone	7.56	82	1013802	38.587	ng	99
26) 2-Nitrophenol	7.64	139	257616	37.609	ng	95
27) 2,4-Dimethylphenol	7.68	122	427581	41.389	ng	99
28) bis(2-Chloroethoxy)methane	7.77	93	610698	39.501	ng	100
29) 2,4-Dichlorophenol	7.88	162	435799	41.154	ng	98
30) 1,2,4-Trichlorobenzene	7.96	180	401872	33.493	ng	98
31) Naphthalene	8.05	128	1351657	36.436	ng	99
32) Benzoic acid	7.81	122	339225	37.388	ng	94
33) 4-Chloroaniline	8.09	127	387750	24.009	ng	98
34) Hexachlorobutadiene	8.16	225	220919	30.758	ng	99
35) Caprolactam	8.47	113	113148m	34.930	ng	
36) 4-Chloro-3-methylphenol	8.58	107	522375	45.564	ng	98
37) 2-Methylnaphthalene	8.74	142	994141	39.527	ng	98
38) 1-Methylnaphthalene	8.83	142	945391	39.880	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	435954	37.694	ng	99

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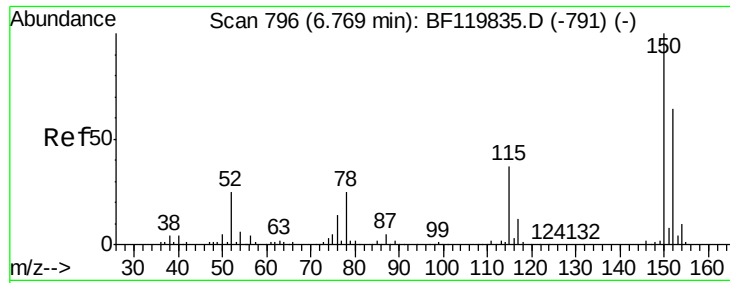
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Quant Time: Apr 15 04:10:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
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 QLast Update : Tue Apr 14 12:44:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.89	237	398572	60.604	nq	99
43) 2,4,6-Trichlorophenol	9.02	196	343804	43.048	nq	100
44) 2,4,5-Trichlorophenol	9.06	196	393692	43.767	nq	96
46) 1,1'-Biphenyl	9.20	154	1267430	41.007	nq	99
47) 2-Chloronaphthalene	9.23	162	978421	41.093	nq	99
48) 2-Nitroaniline	9.32	65	399217	46.268	nq	97
49) Acenaphthylene	9.65	152	1595667	44.067	nq	100
50) Dimethylphthalate	9.52	163	1298523	45.846	nq	98
51) 2,6-Dinitrotoluene	9.57	165	291451	46.990	nq	96
52) Acenaphthene	9.82	154	1153102m	47.739	nq	
53) 3-Nitroaniline	9.74	138	240723	33.982	nq	93
54) 2,4-Dinitrophenol	9.85	184	315501	84.963	nq	92
55) Dibenzofuran	9.99	168	1486853	44.858	nq	98
56) 4-Nitrophenol	9.91	139	440385	83.554	nq	96
57) 2,4-Dinitrotoluene	9.97	165	393179	48.114	nq	93
58) Fluorene	10.33	166	1166899	44.020	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	341115	49.583	nq	97
60) Diethylphthalate	10.21	149	1357516	46.244	nq	99
61) 4-Chlorophenyl-phenylether	10.32	204	566970	41.730	nq	97
62) 4-Nitroaniline	10.36	138	322184	47.725	nq	100
63) Azobenzene	10.49	77	1259450	47.873	nq	96
65) 4,6-Dinitro-2-methylphenol	10.39	198	217269	45.884	nq	98
66) n-Nitrosodiphenylamine	10.45	169	1116058	46.690	nq	98
67) 4-Bromophenyl-phenylether	10.82	248	368819	41.262	nq	94
68) Hexachlorobenzene	10.88	284	393392	43.384	nq	96
69) Atrazine	10.97	200	348539	52.406	nq	96
70) Pentachlorophenol	11.07	266	436512	83.535	nq	98
71) Phenanthrene	11.29	178	1795516	46.938	nq	98
72) Anthracene	11.35	178	1858084	47.549	nq	99
73) Carbazole	11.50	167	1734267	46.930	nq	99
74) Di-n-butylphthalate	11.83	149	2208782	45.467	nq	99
75) Fluoranthene	12.48	202	1993446	48.298	nq	98
77) Benzidine	12.60	184	129688	7.660	nq	96
78) Pyrene	12.71	202	1987140	47.064	nq	100
80) Butylbenzylphthalate	13.33	149	930796	45.432	nq	94
81) Benzo(a)anthracene	13.90	228	1550094	47.046	nq	100
82) 3,3'-Dichlorobenzidine	13.86	252	488615	39.744	nq	96
83) Chrysene	13.93	228	1593248	47.590	nq	98
84) Bis(2-ethylhexyl)phthalate	13.89	149	1230145	44.339	nq	98
85) Di-n-octyl phthalate	14.50	149	2224502	47.090	nq	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	1306291	44.264	nq	96
88) Benzo(b)fluoranthene	14.93	252	1506790	50.278	nq	100
89) Benzo(k)fluoranthene	14.96	252	1289222	49.858	nq	100
90) Benzo(a)pyrene	15.27	252	1204756	47.812	nq	99
91) Dibenzo(a,h)anthracene	16.74	278	1095234	49.069	nq	98
92) Benzo(g,h,i)perylene	17.14	276	1079406	48.992	nq	96

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



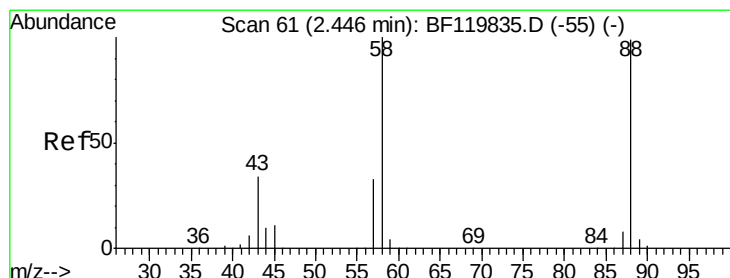
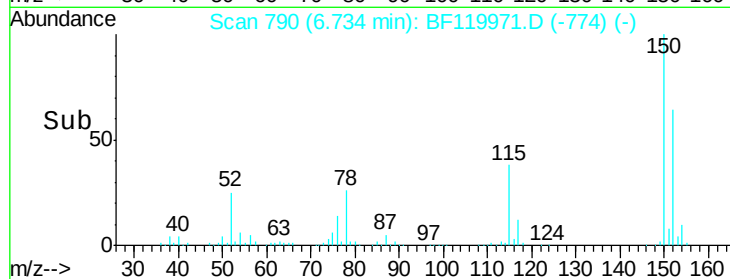
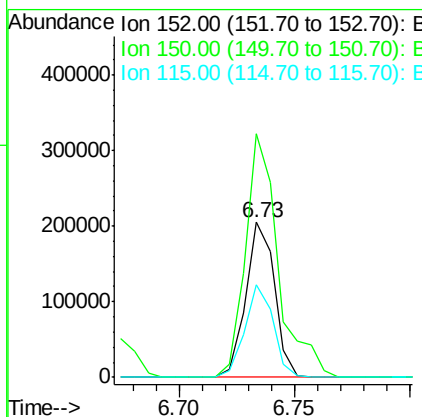
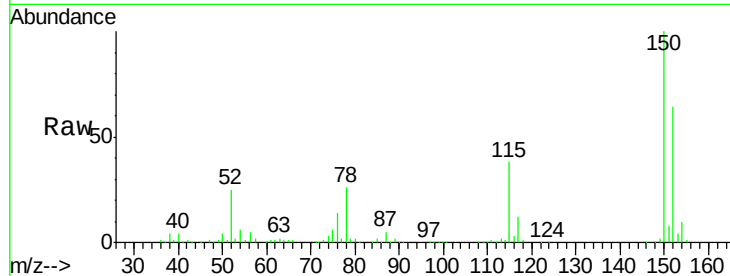
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.8	187.2
115	59.2	46.5	69.7

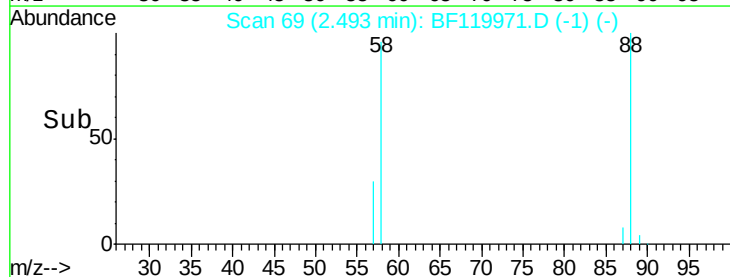
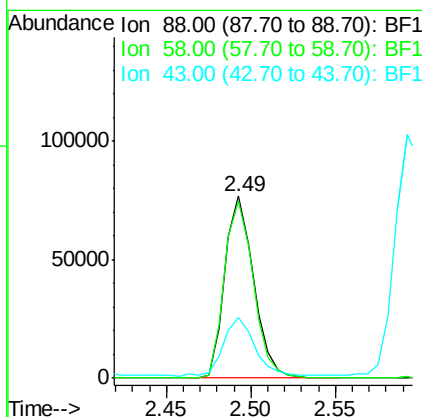
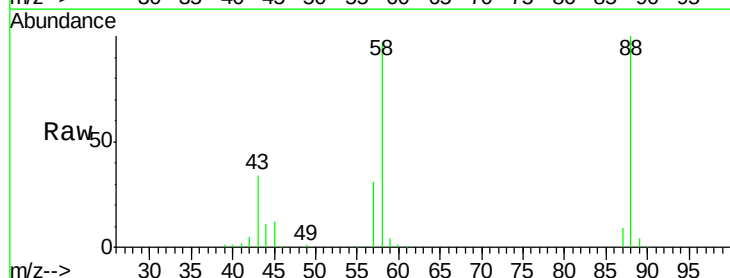
Manual Integrations
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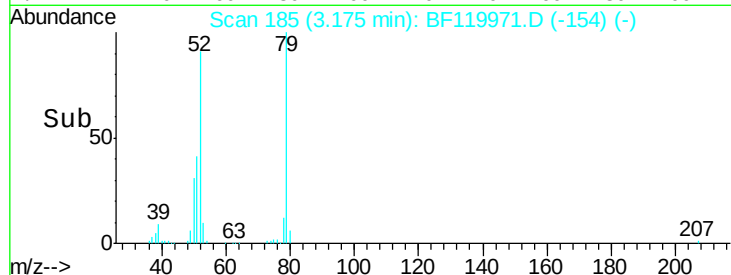
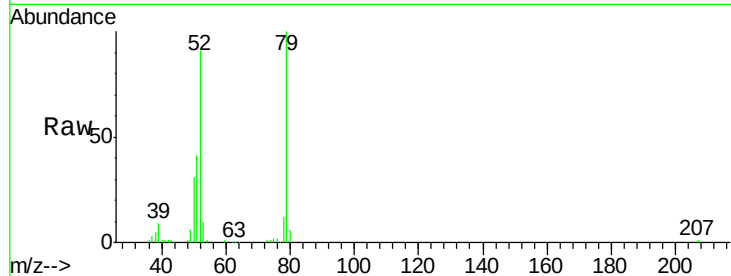
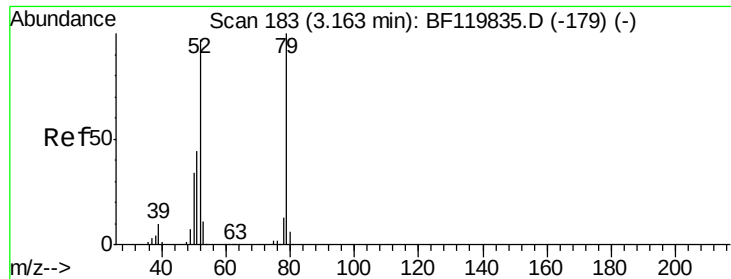
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#2
 1,4-Dioxane
 Concen: 19.864 ng
 RT: 2.49 min Scan# 69
 Delta R.T. 0.10 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.0	82.6	123.8
43	0.0	28.6	42.8#





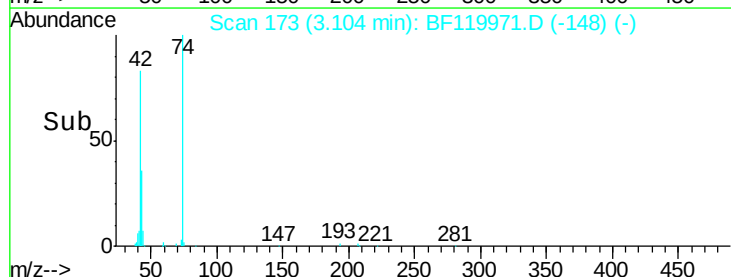
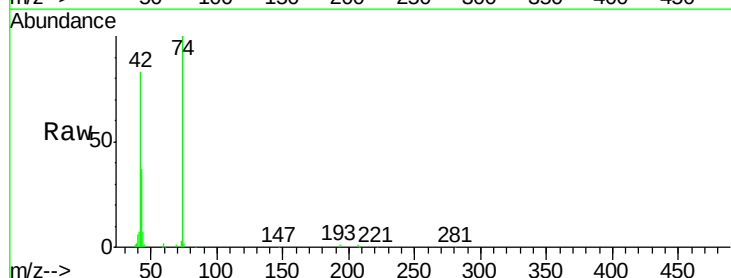
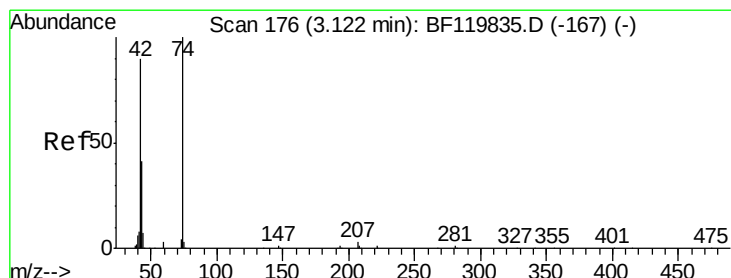
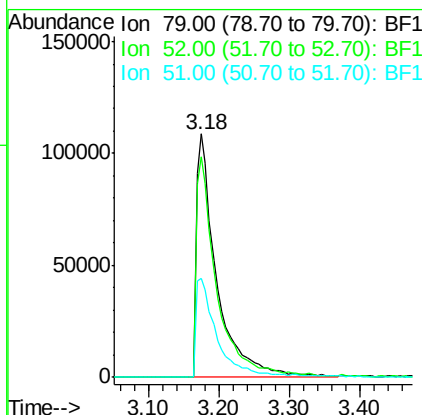
#3
 Pvridine
 Concen: 17.551 ng
 RT: 3.18 min Scan# 185
 Delta R.T. 0.08 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tot Ion	Ratio	Lower	Upper
79	100		
52	90.7	77.4	116.0
51	40.6	35.3	52.9

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

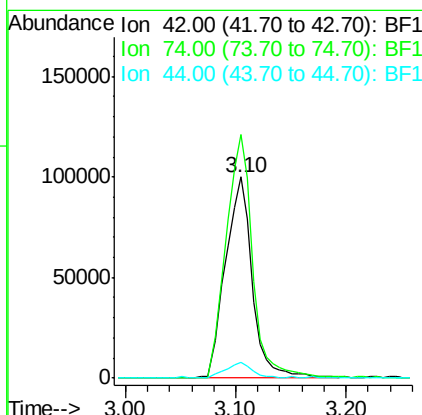
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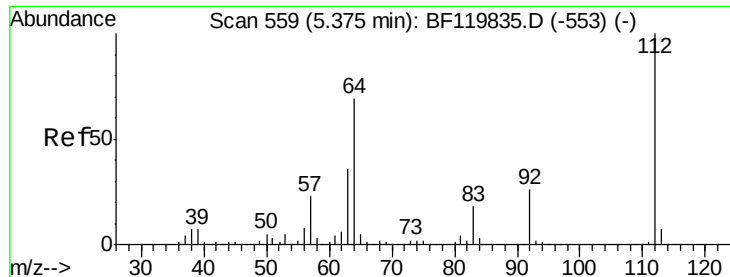
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#4
 n-Nitrosodimethylamine
 Concen: 26.402 ng
 RT: 3.10 min Scan# 173
 Delta R.T. 0.05 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.0	89.0	133.4
44	7.9	6.2	9.4





#5

2-Fluorophenol

Concen: 100.914 ng

RT: 5.35 min Scan# 554

Delta R.T. 0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

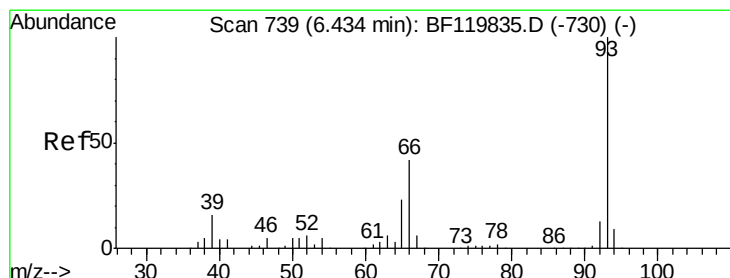
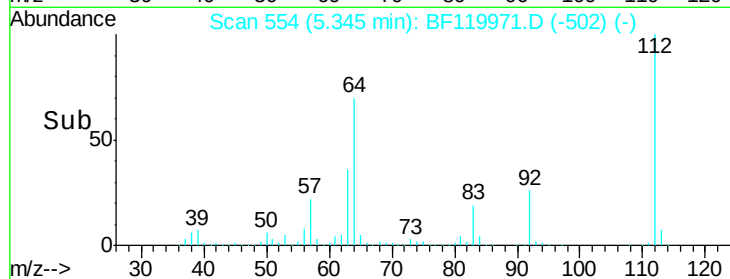
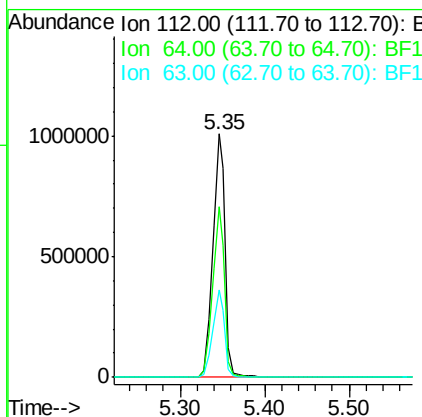
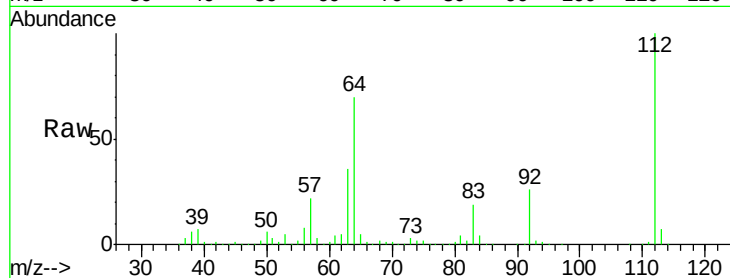
ClientSampleId :

VNJ-223MSD

Tot Ion:	112	Resp:	1044362
Ion	Ratio	Lower	Upper
112	100		
64	70.2	55.5	83.3
63	35.9	29.1	43.7

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#6

Aniline

Concen: 25.311 ng

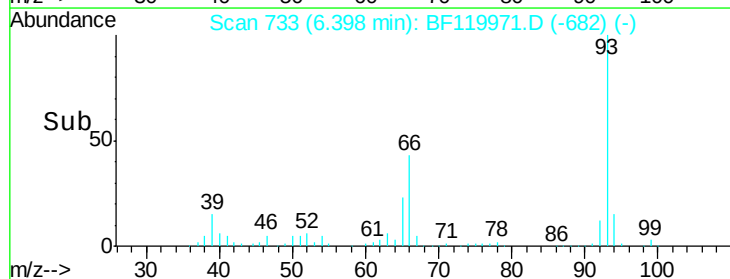
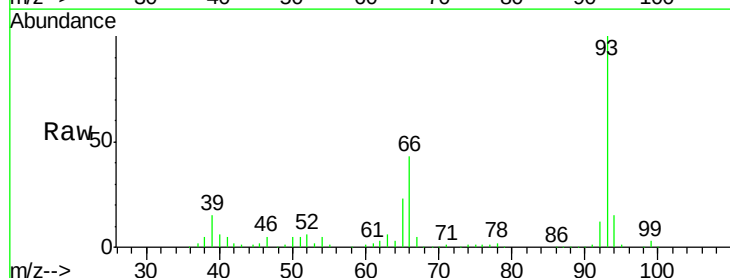
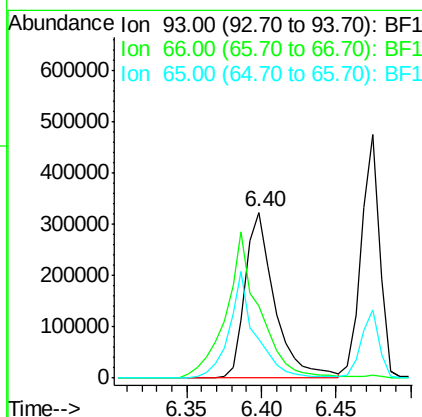
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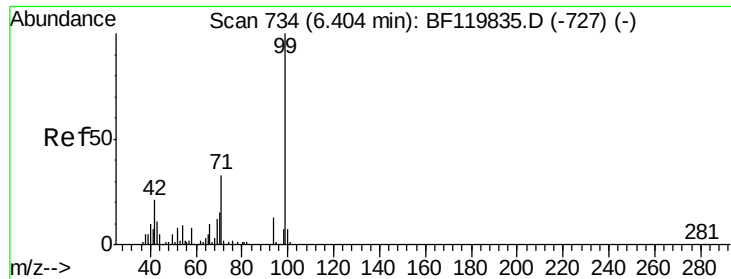
Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Tgt Ion:	93	Resp:	443019
Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.2	51.2
65	23.3	18.3	27.5





#7

Phenol-d6

Concen: 103.159 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion: 99 Resp: 1375650

Ion Ratio Lower Upper

99 100

42 19.1 16.9 25.3

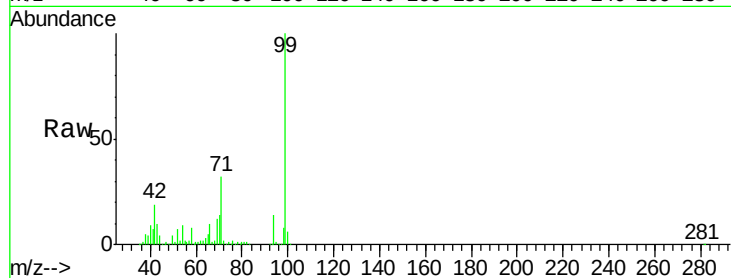
71 31.8 26.3 39.5

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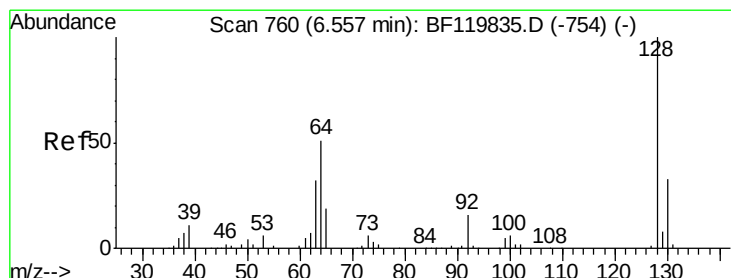
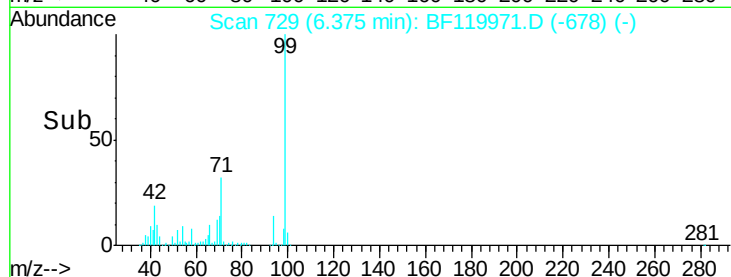
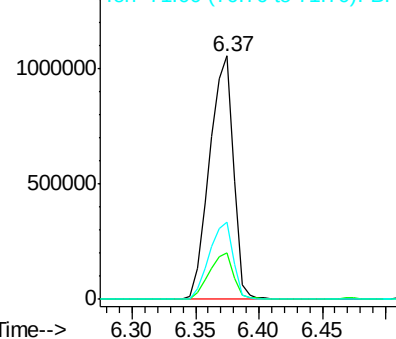
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.828 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

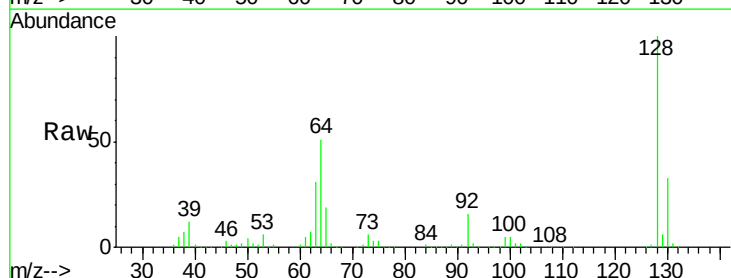
Tgt Ion: 128 Resp: 448985

Ion Ratio Lower Upper

128 100

130 33.2 12.6 52.6

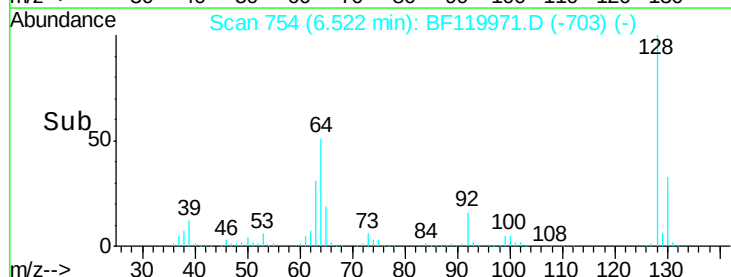
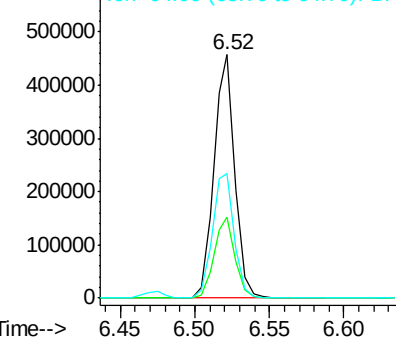
64 51.2 32.0 72.0

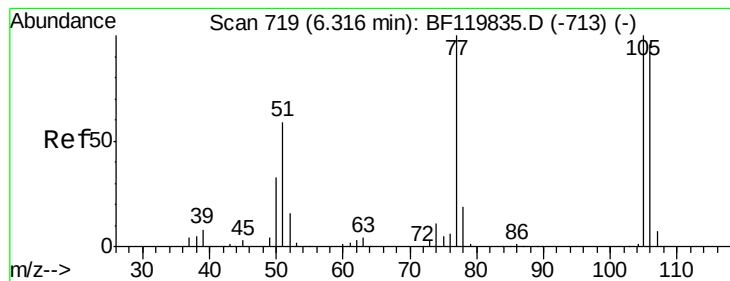


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 9.423 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

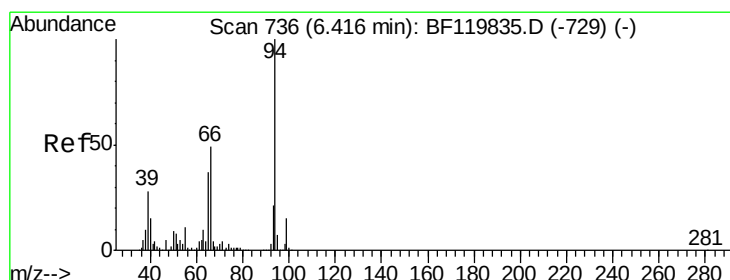
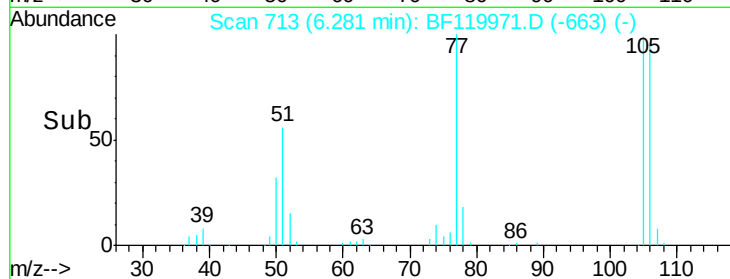
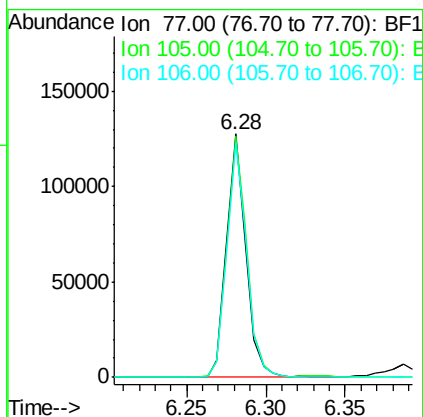
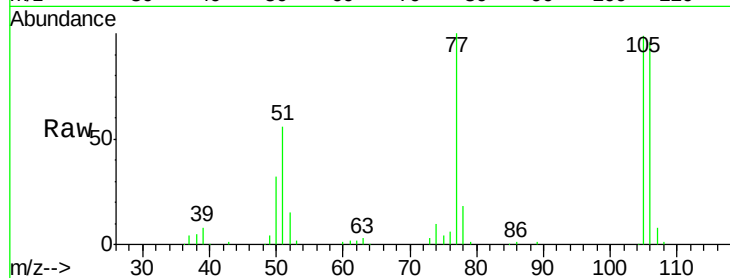
ClientSampleId :

VNJ-223MSD

Tot Ion:	77	Resp:	108257
Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.9	119.9
106	96.3	76.4	116.4

Manual Integrations
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#10

Phenol

Concen: 35.402 ng

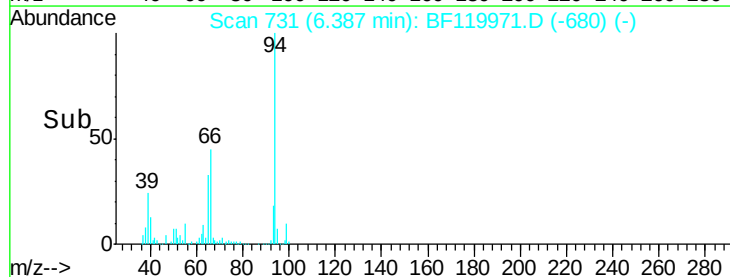
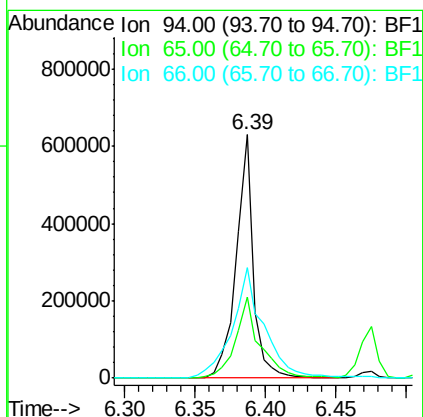
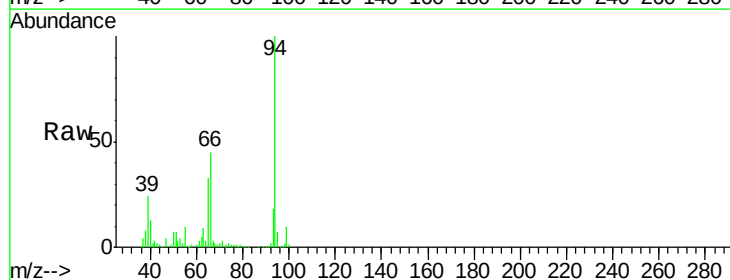
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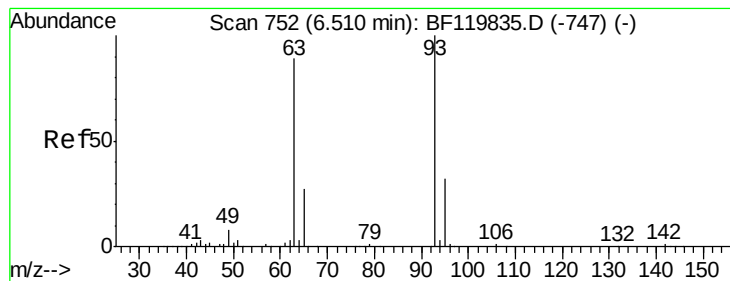
Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Tgt Ion:	94	Resp:	535583
Ion	Ratio	Lower	Upper
94	100		
65	33.0	16.6	56.6
66	45.3	29.3	69.3





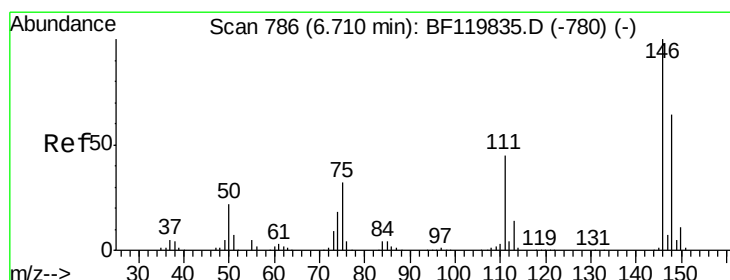
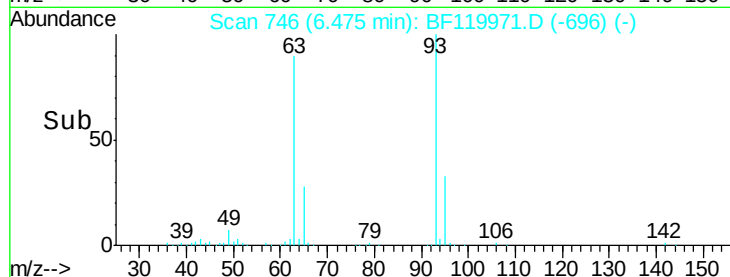
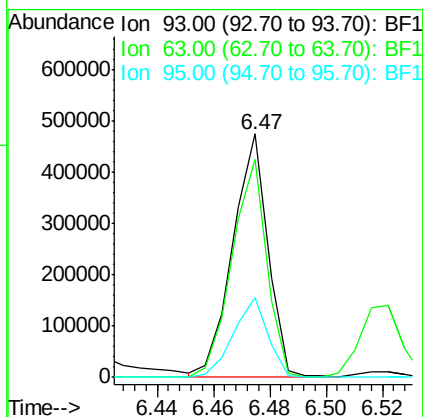
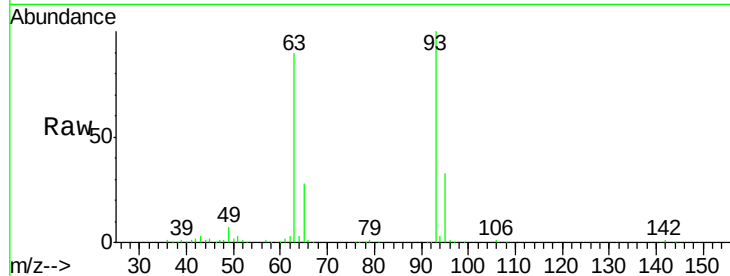
#11
bis(2-Chloroethyl)ether
Concen: 34.774 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.6	69.1	109.1
95	32.5	12.3	52.3

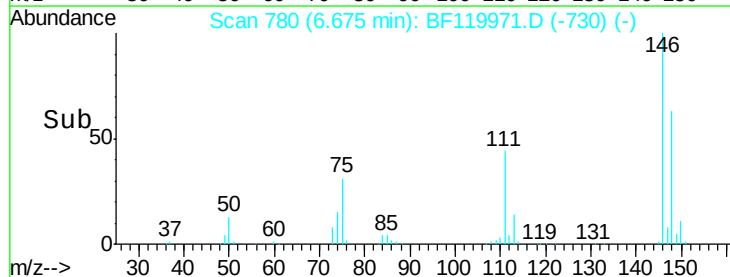
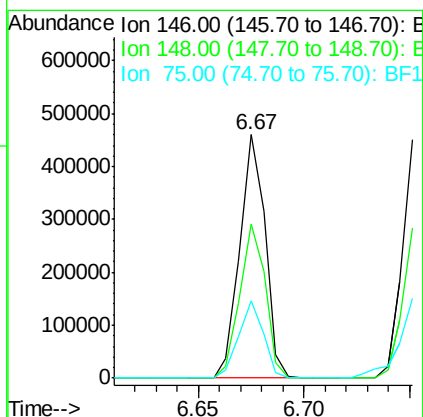
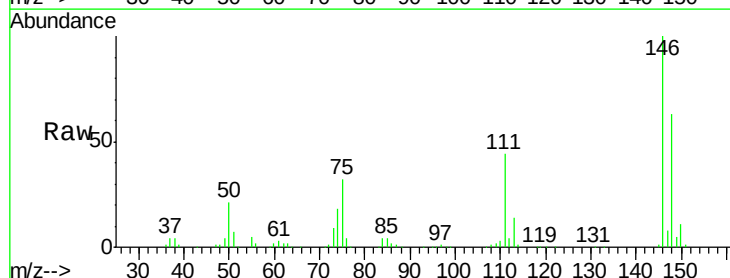
Manual Integrations
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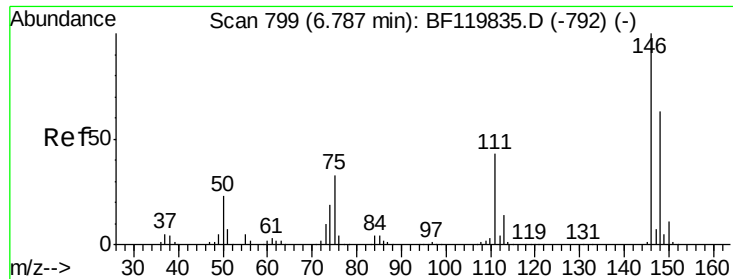
mohammad
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#12
1,3-Dichlorobenzene
Concen: 30.247 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
75	31.6	25.3	37.9





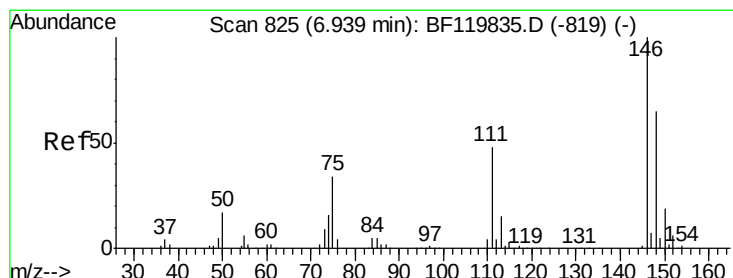
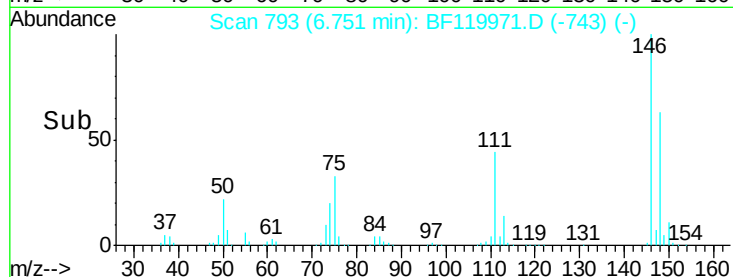
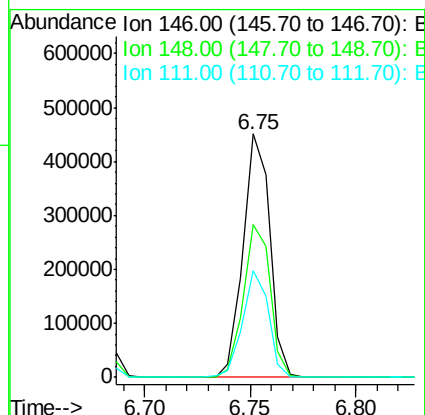
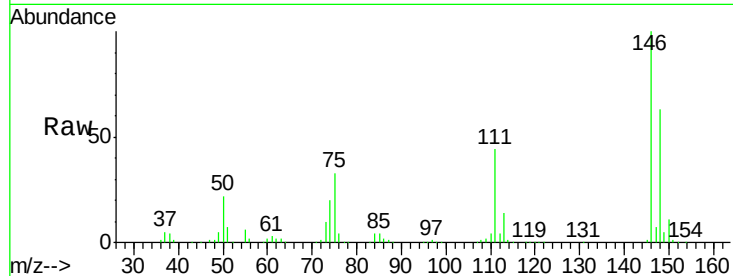
#13
 1,4-Dichlorobenzene
 Concen: 30.498 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.5	75.7
111	43.8	34.7	52.1

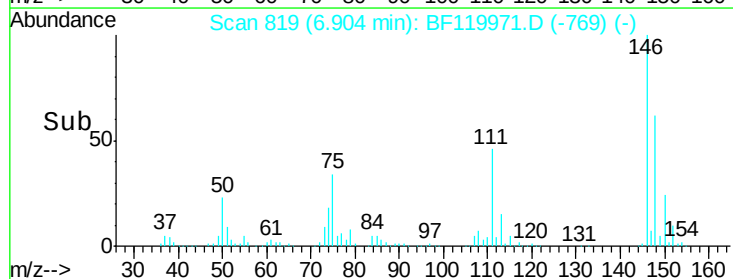
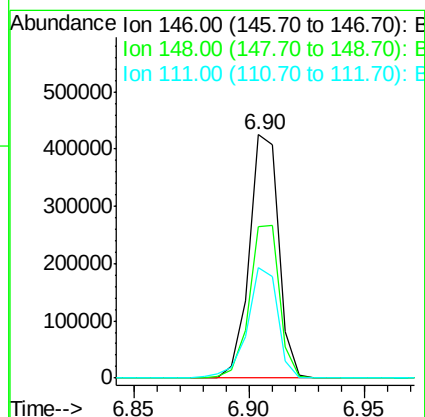
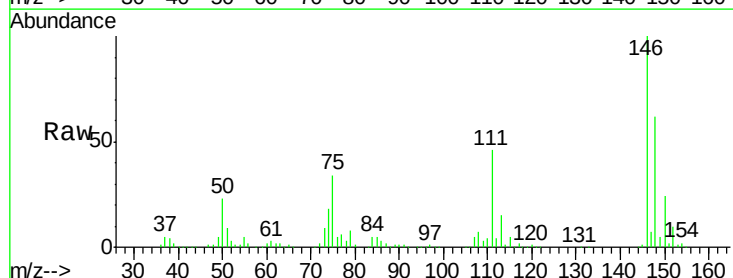
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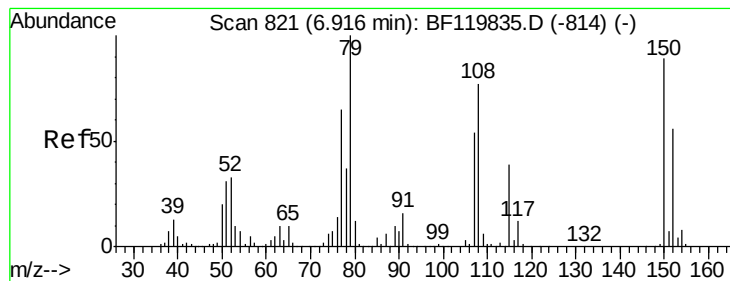
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 31.965 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.8	77.8
111	45.5	38.0	57.0





#15

Benzyl Alcohol

Concen: 36.105 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion: 79 Resp: 373954

Ion Ratio Lower Upper

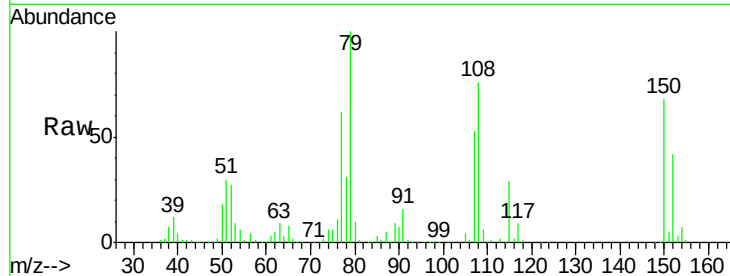
79 100

108 76.4 62.0 93.0

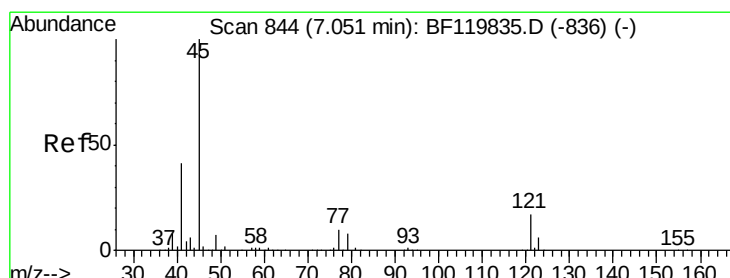
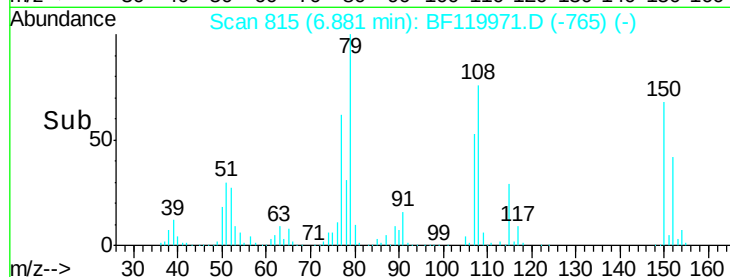
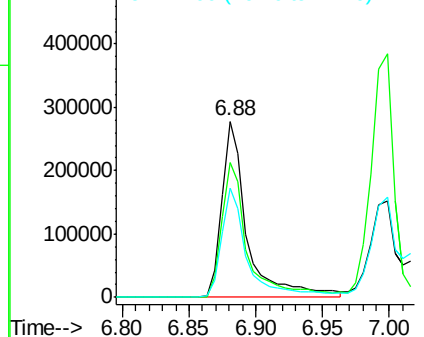
77 62.2 51.8 77.6

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.668 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

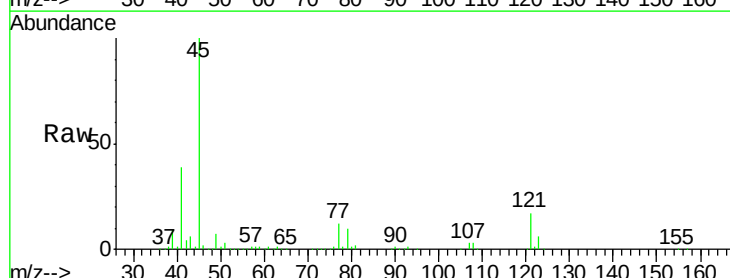
Tgt Ion: 45 Resp: 742566

Ion Ratio Lower Upper

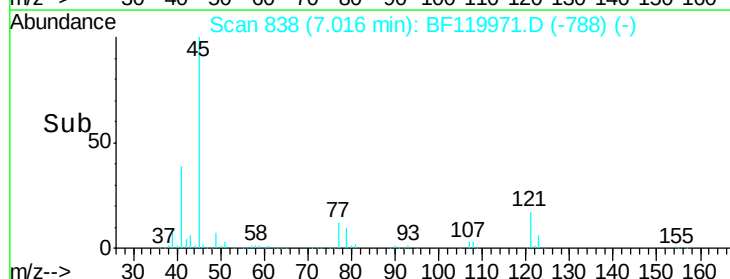
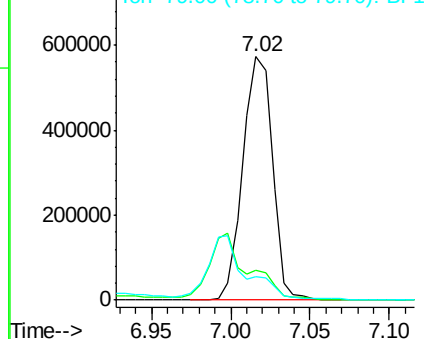
45 100

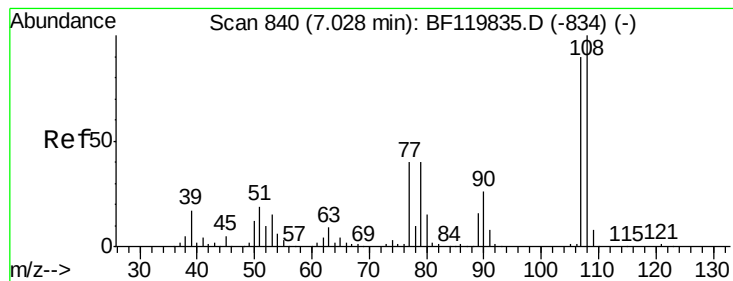
77 12.2 0.0 30.7

79 9.8 0.0 28.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





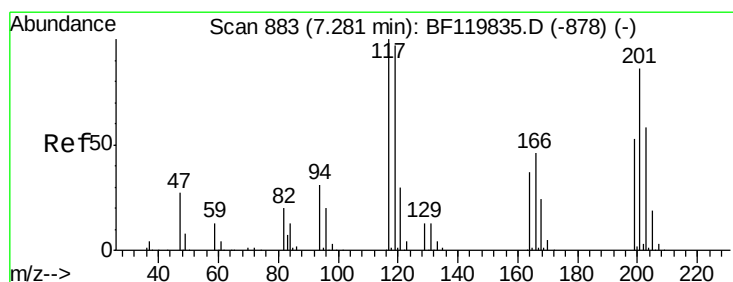
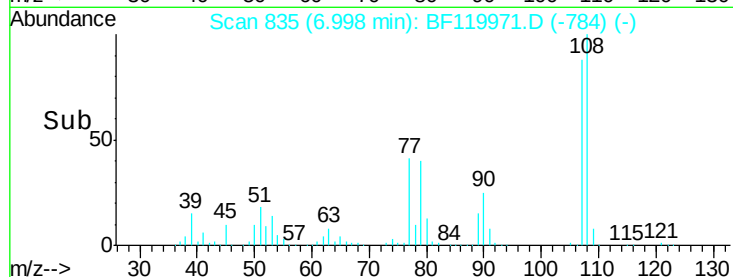
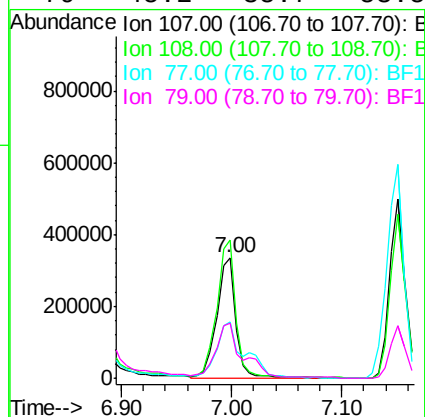
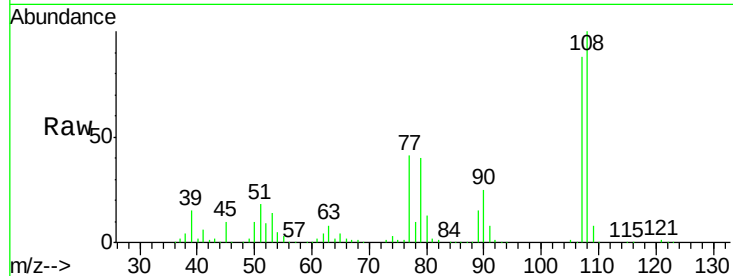
#17
2-Methylphenol
Concen: 39.187 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	107	Resp	404385
Ion Ratio	Lower	Upper	
107	100		
108	114.3	88.8	133.2
77	46.8	36.0	54.0
79	45.2	35.7	53.5

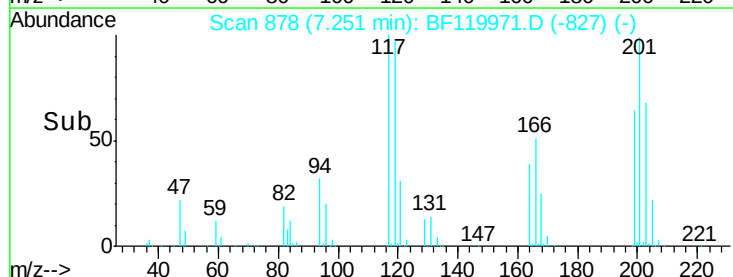
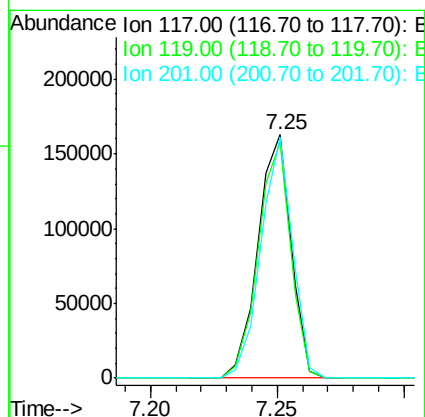
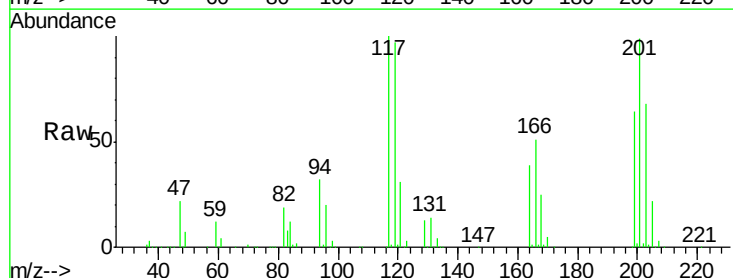
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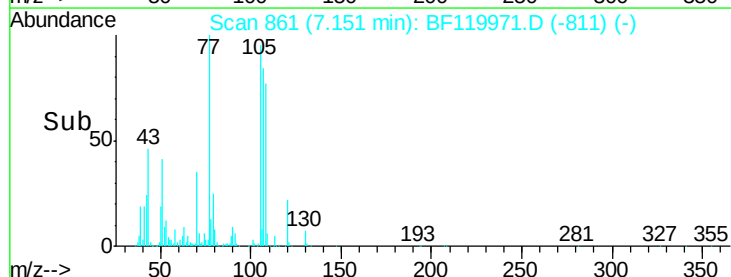
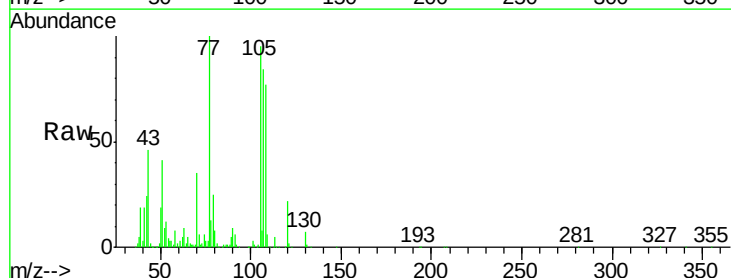
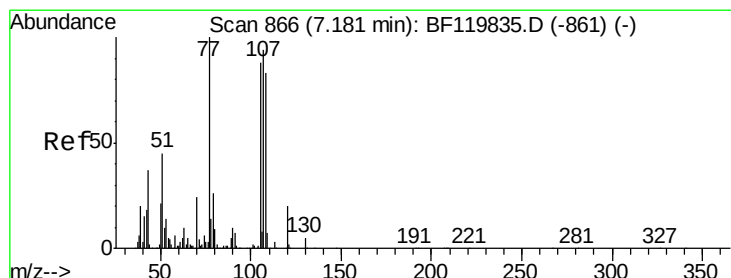
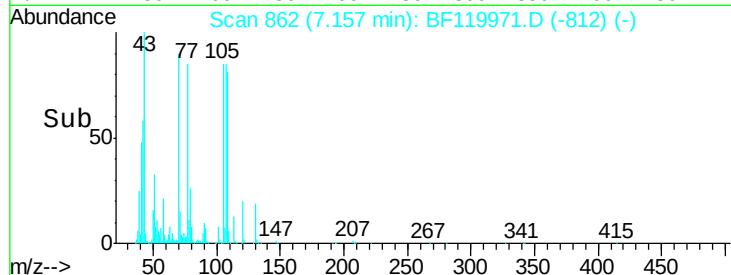
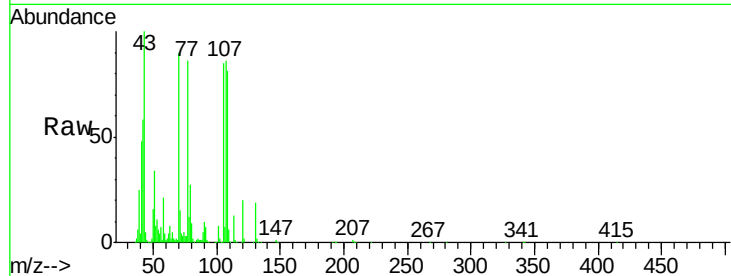
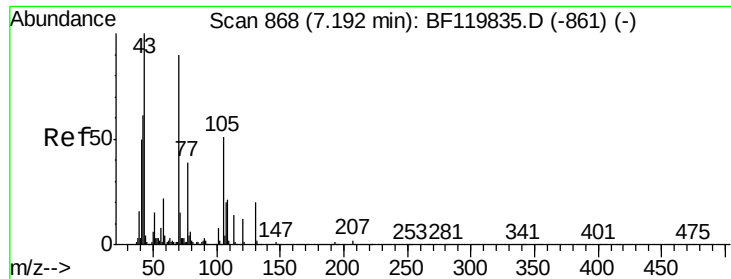
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#18
Hexachloroethane
Concen: 30.930 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

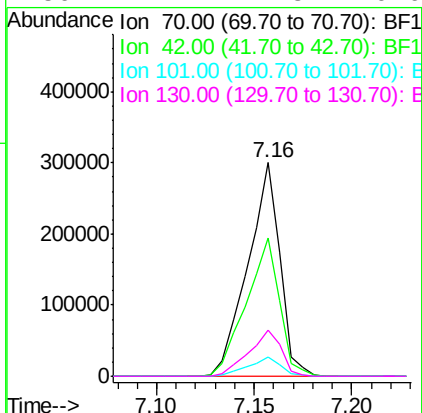
Tgt Ion	117	Resp	149066
Ion Ratio	Lower	Upper	
117	100		
119	97.0	77.4	116.0
201	99.1	68.4	102.6





#19
n-Nitroso-di-n-propylamine
Concen: 39.842 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	64.6	54.2	81.4	
101	8.7	7.4	11.2	
130	21.4	17.8	26.6	



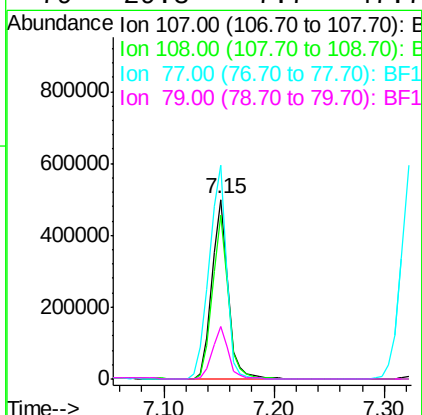
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

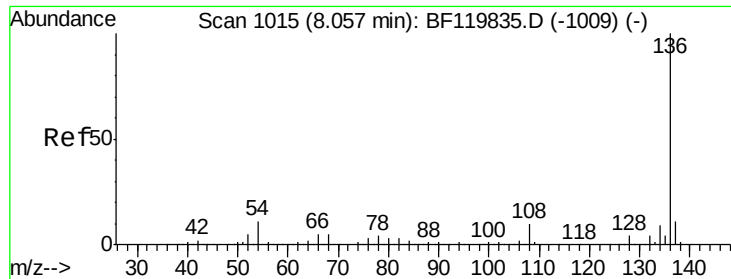
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#20
3+4-Methylphenols
Concen: 39.328 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.9	68.2	108.2	
77	118.8	86.6	126.6	
79	29.3	7.7	47.7	





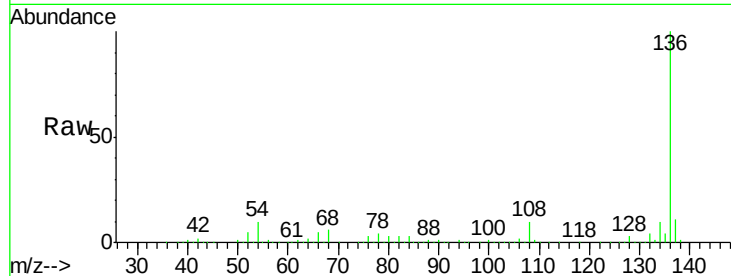
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

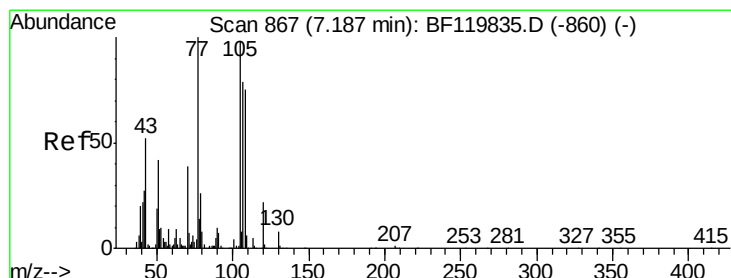
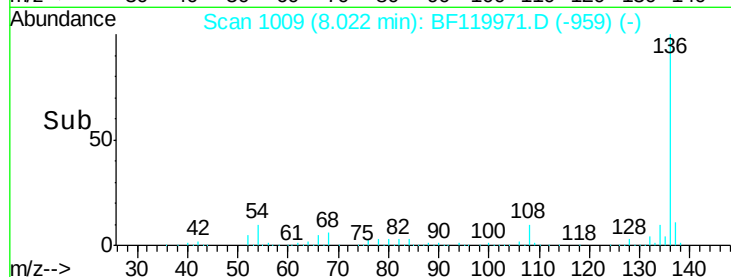
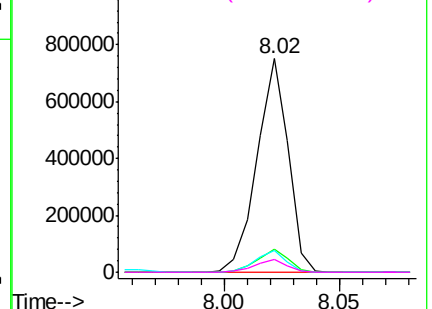
Tot Ion	Ratio	Resp	Lower	Upper
136	100	705098		
137	11.0	8.7	13.1	
54	10.2	8.5	12.7	
68	5.7	3.9	5.9	

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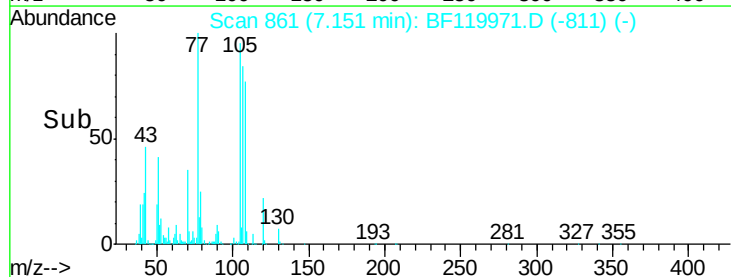
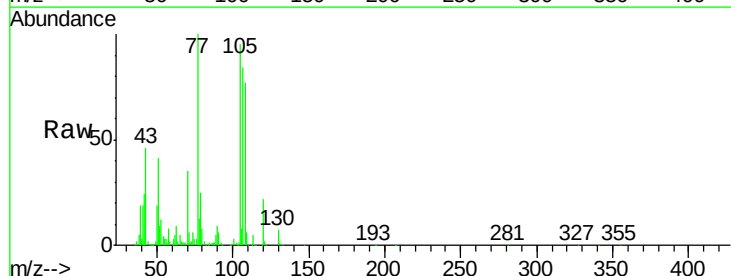
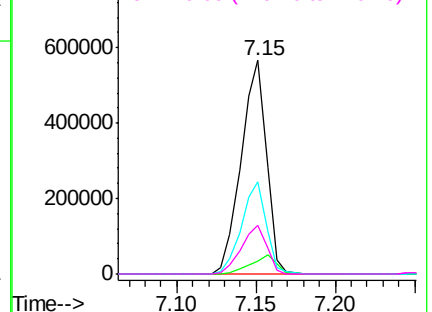
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

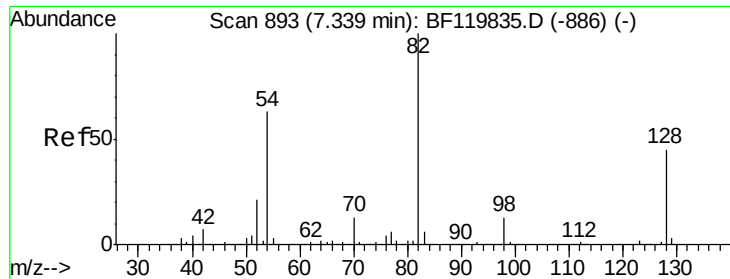


#22
Acetophenone
Concen: 37.747 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	623241		
71	6.3	5.6	8.4	
51	43.4	33.9	50.9	
120	23.0	17.8	26.8	

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





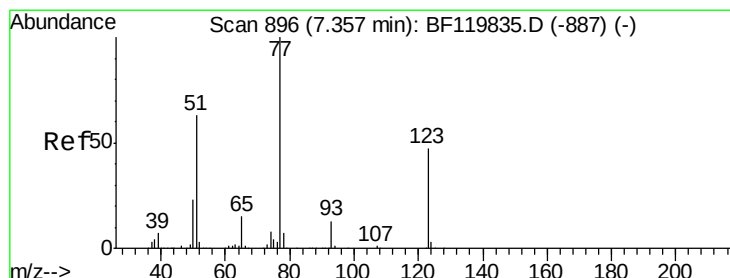
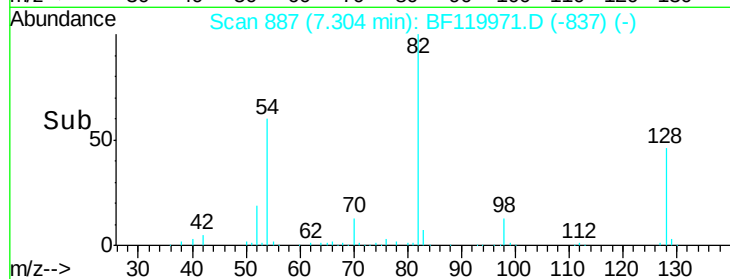
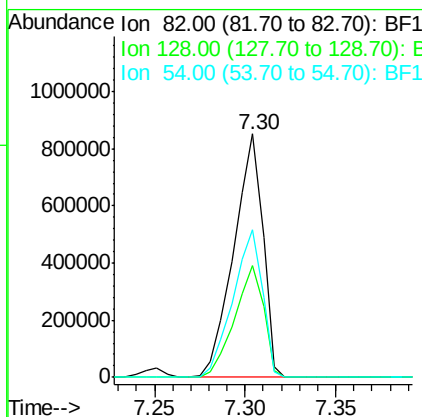
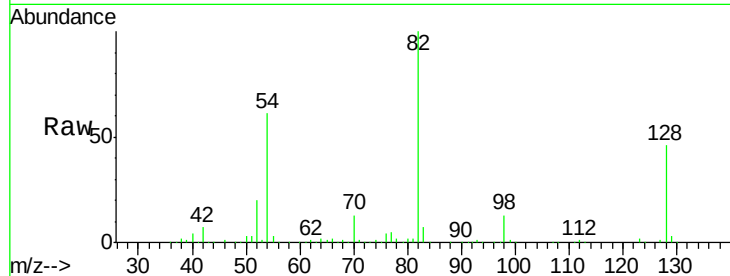
#23
 Nitrobenzene-d5
 Concen: 69.715 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	950174		
128	46.0	36.2	54.4	
54	60.5	50.4	75.6	

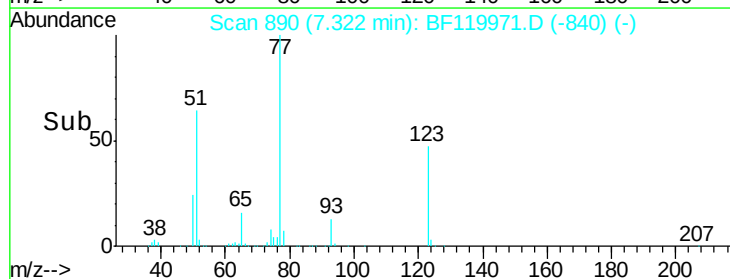
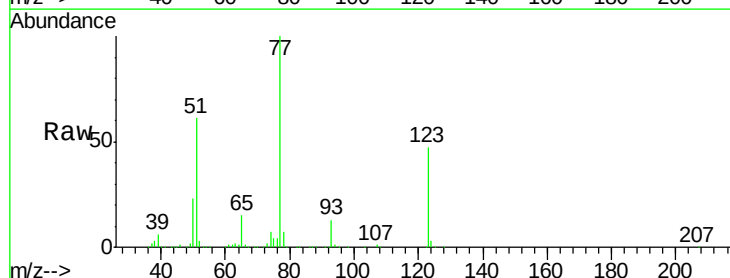
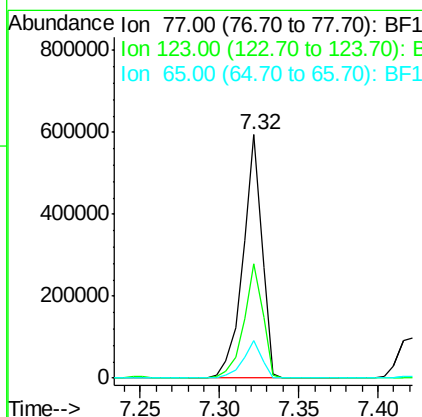
Manual Integrations
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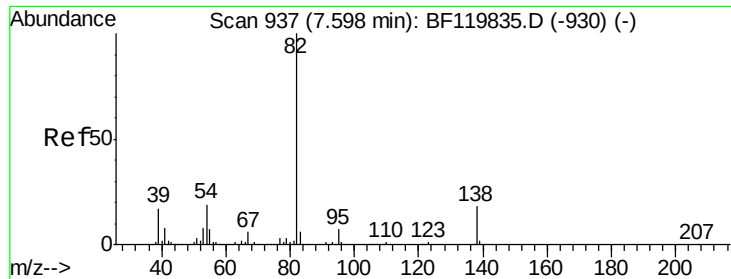
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#24
 Nitrobenzene
 Concen: 35.723 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	489785		
123	46.7	37.8	56.8	
65	15.2	12.2	18.2	





#25

Isophorone

Concen: 38.587 ng

RT: 7.56 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion: 82 Resp: 1013802

Ion Ratio Lower Upper

82 100

95 6.8 5.8 8.6

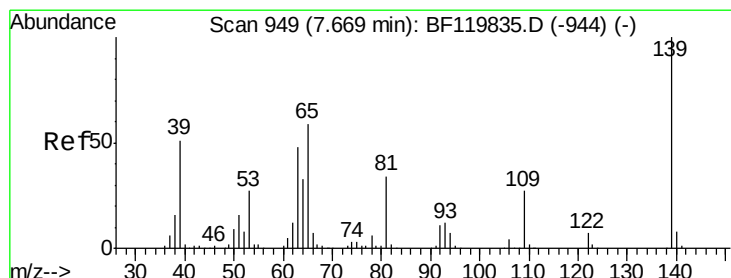
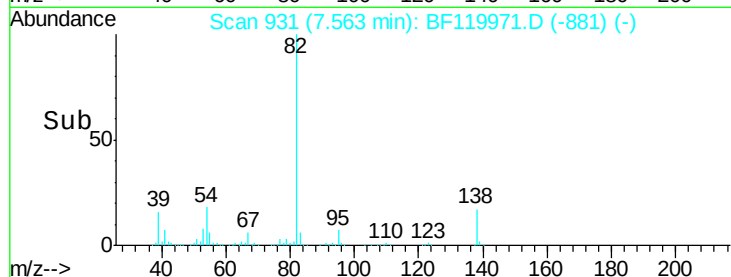
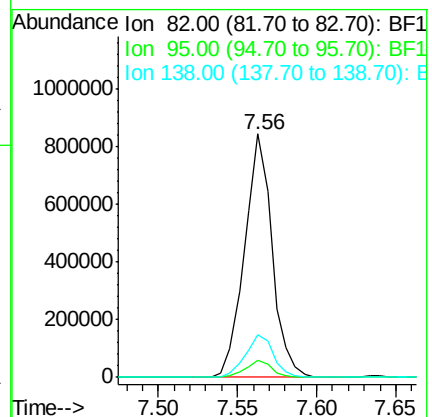
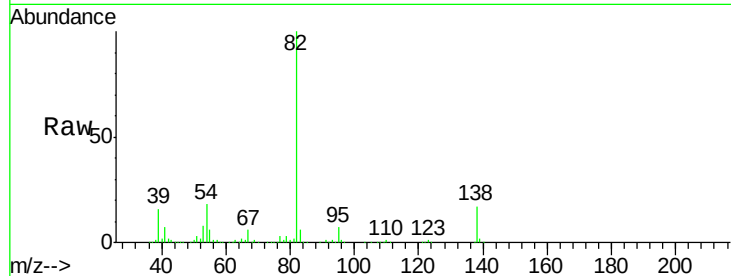
138 17.5 14.5 21.7

Manual Integrations

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#26

2-Nitrophenol

Concen: 37.609 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

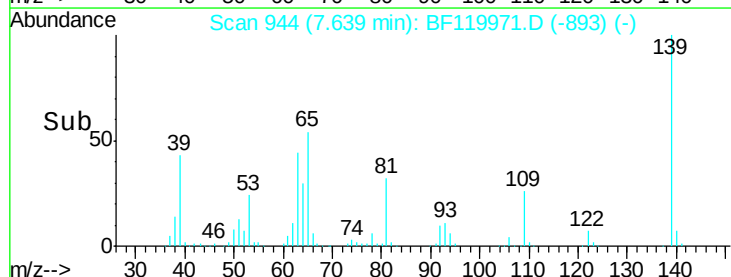
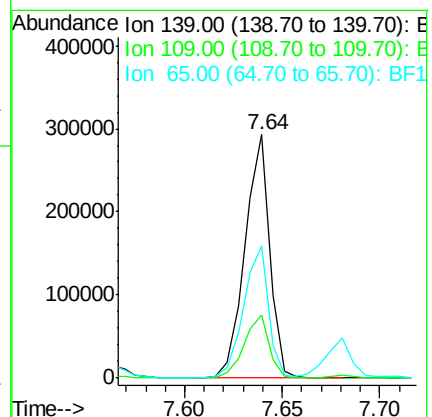
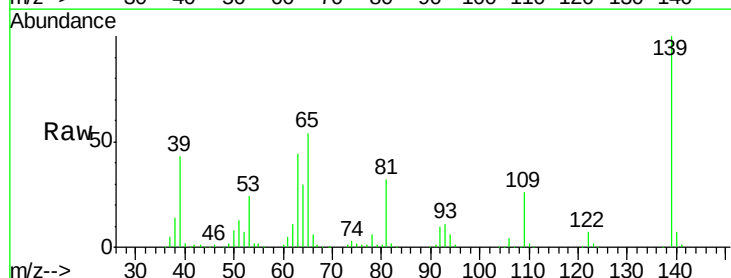
Tgt Ion: 139 Resp: 257616

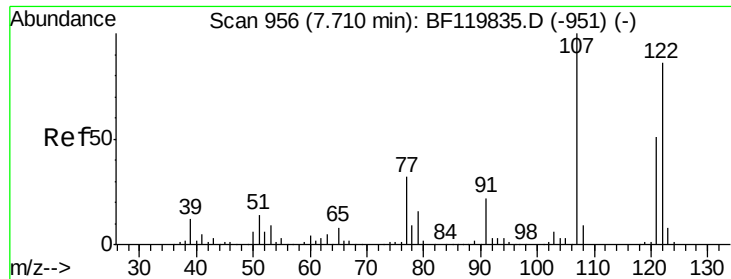
Ion Ratio Lower Upper

139 100

109 26.0 21.8 32.6

65 54.2 47.0 70.4





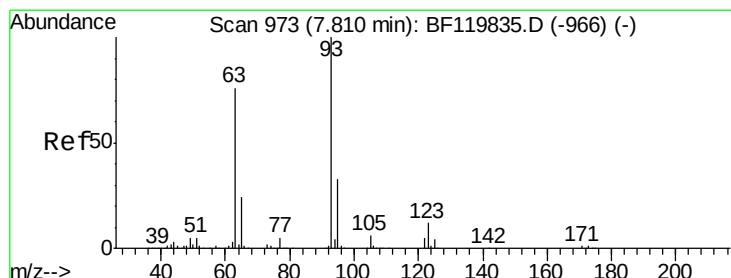
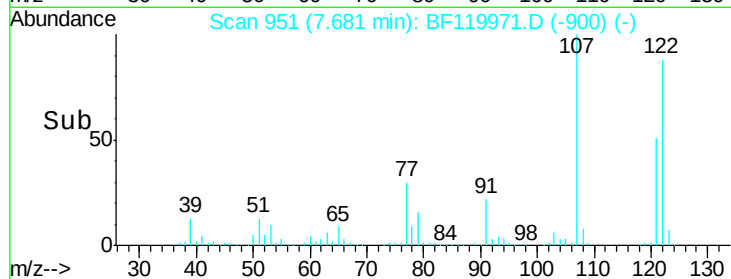
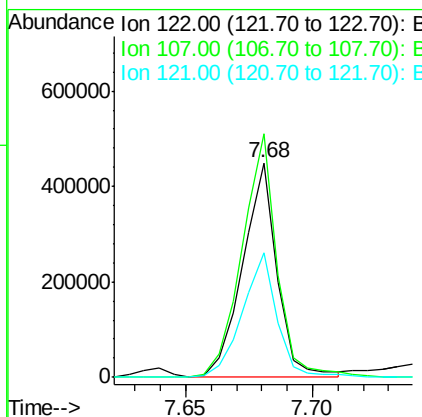
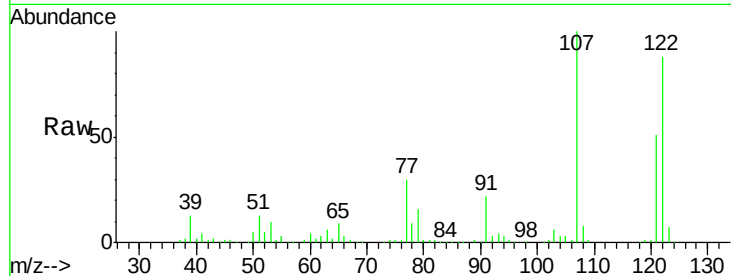
#27
 2,4-Dimethylphenol
 Concen: 41.389 ng
 RT: 7.68 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.6	92.3	138.5
121	58.3	46.6	70.0

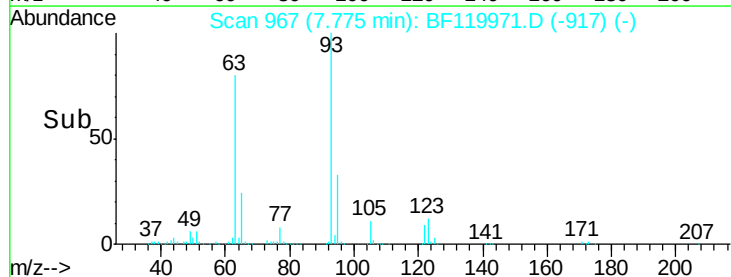
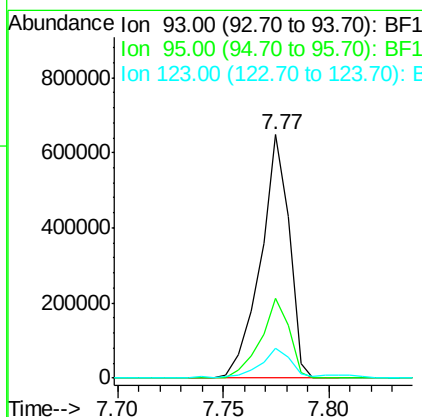
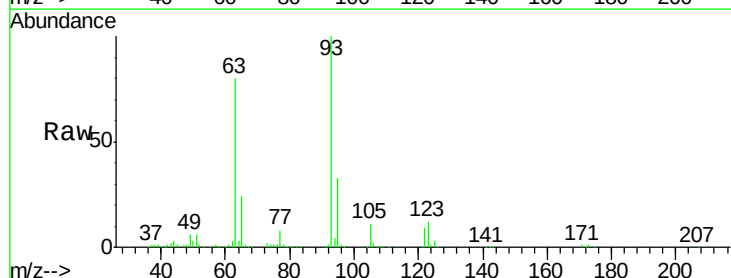
Manual Integrations
 APPROVED

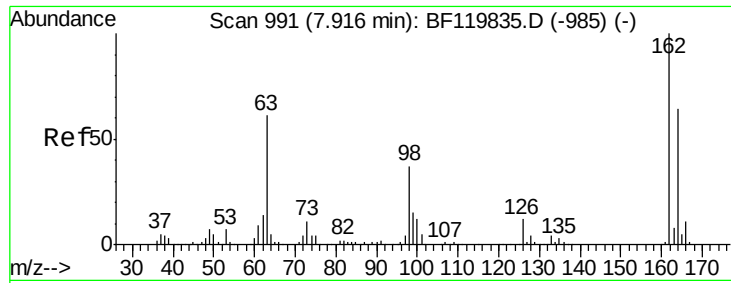
mohammad
 4/16/2020 12:51:37 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 39.501 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.4	39.6
123	12.0	9.7	14.5





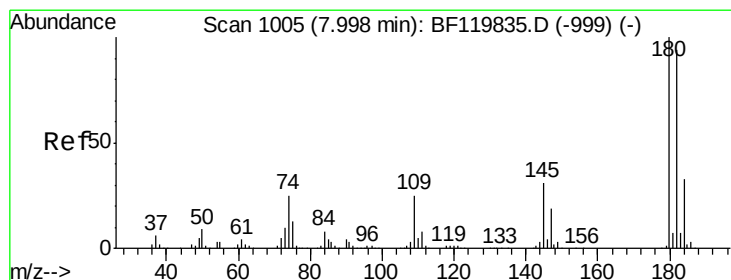
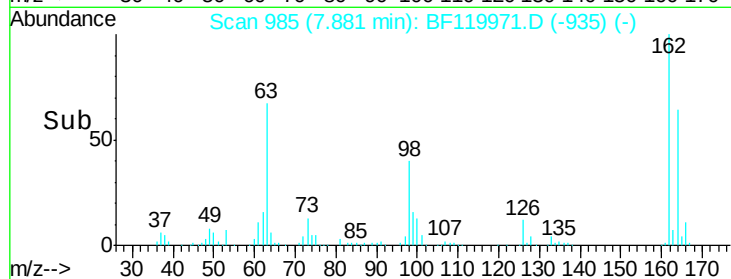
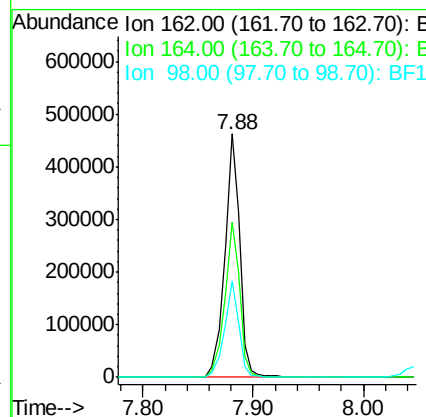
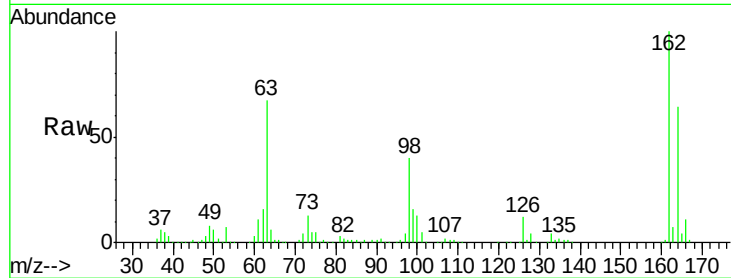
#29
2,4-Dichlorophenol
Concen: 41.154 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion:	162	Resp:	435799
Ion Ratio	Lower	Upper	
162	100		
164	63.7	44.4	84.4
98	39.7	17.3	57.3

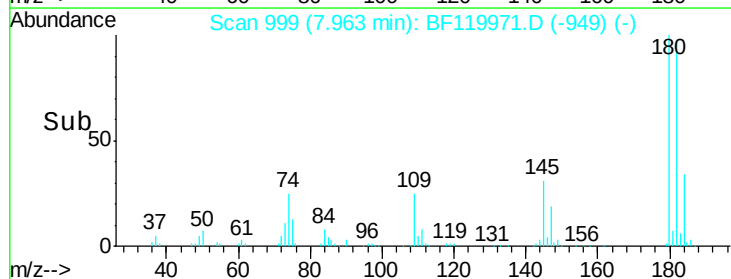
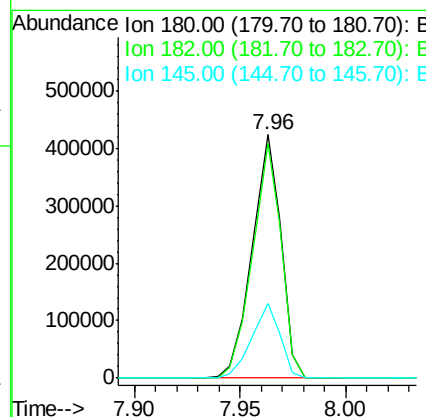
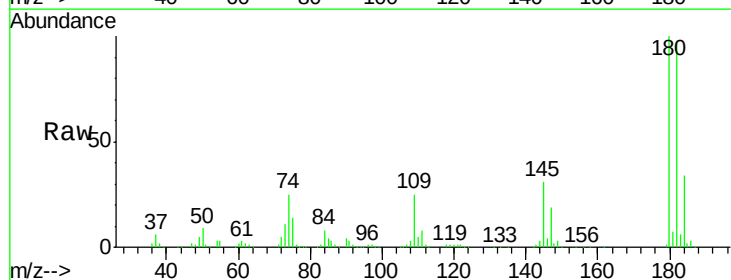
Manual Integrations
APPROVED

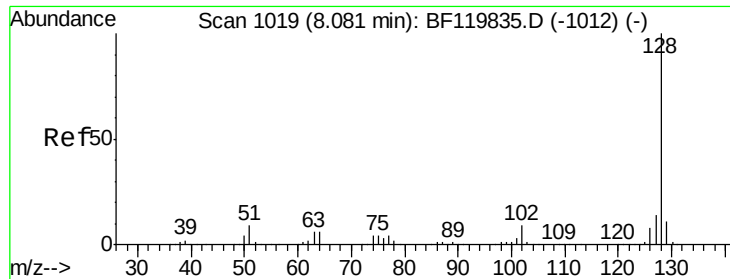
mohammad
4/16/2020 12:51:37 PM



#30
1,2,4-Trichlorobenzene
Concen: 33.493 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion:	180	Resp:	401872
Ion Ratio	Lower	Upper	
180	100		
182	96.6	75.4	113.0
145	30.9	24.6	37.0





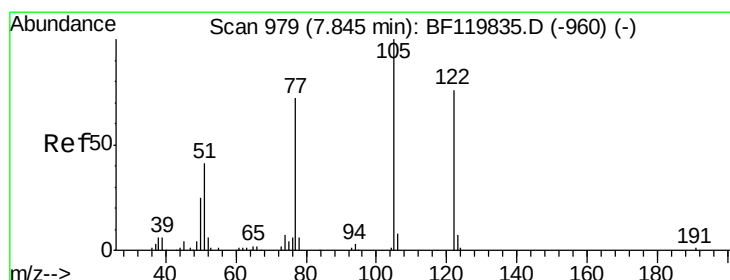
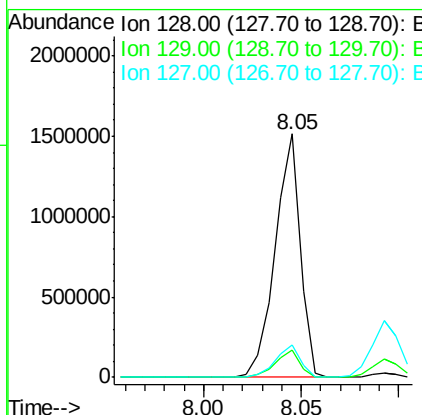
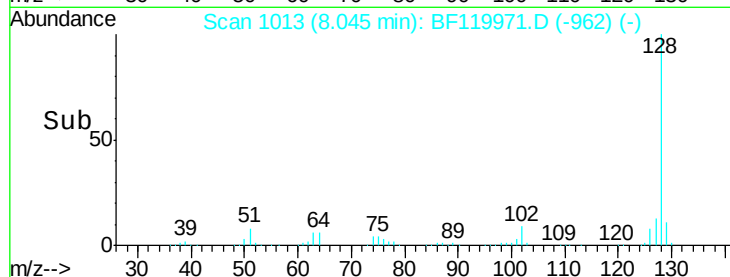
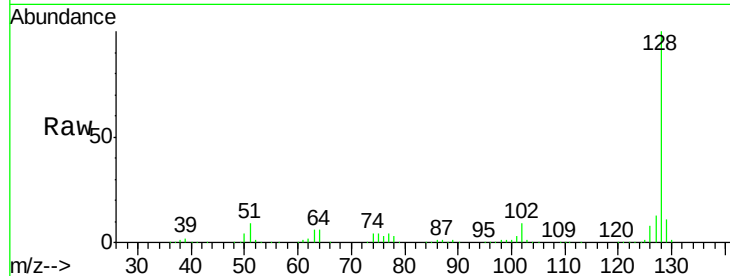
#31
Naphthalene
Concen: 36.436 ng
RT: 8.05 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.3	11.0	16.4

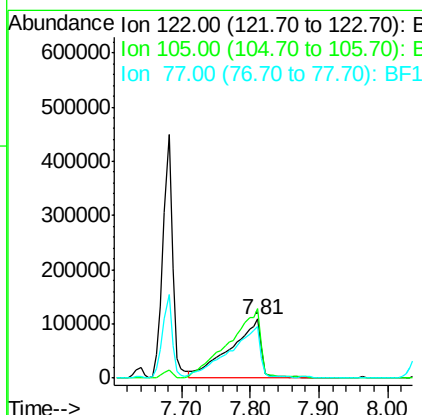
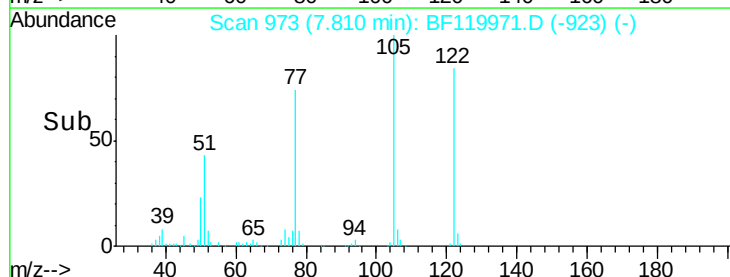
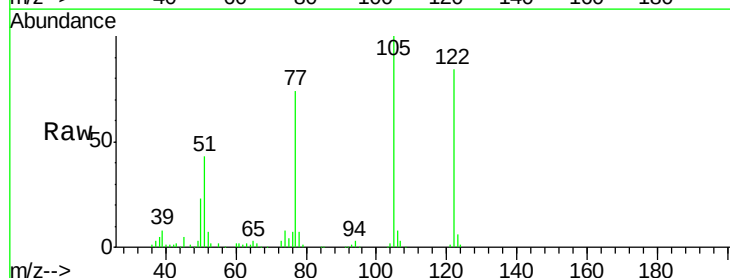
Manual Integrations
APPROVED

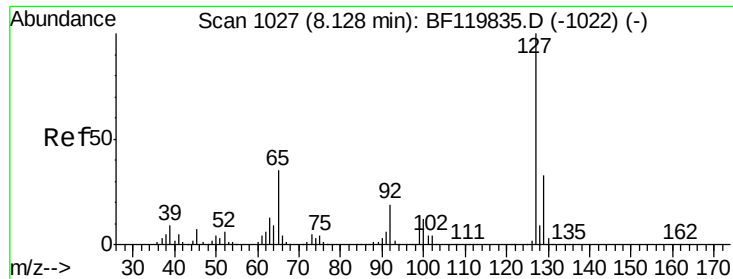
mohammad
4/16/2020 12:51:37 PM



#32
Benzoic acid
Concen: 37.388 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.6	106.7	146.7
77	88.2	72.1	112.1





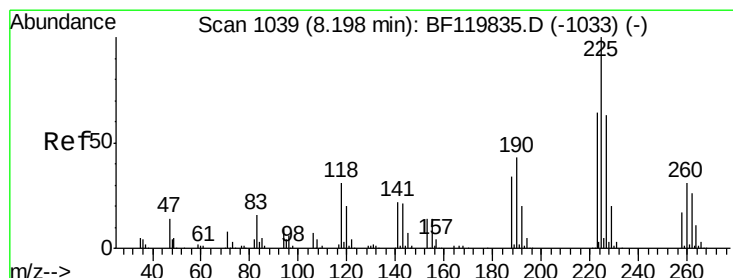
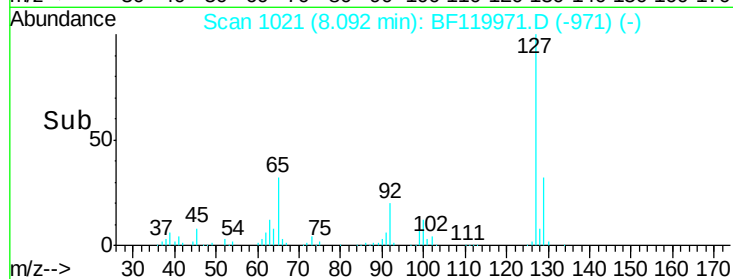
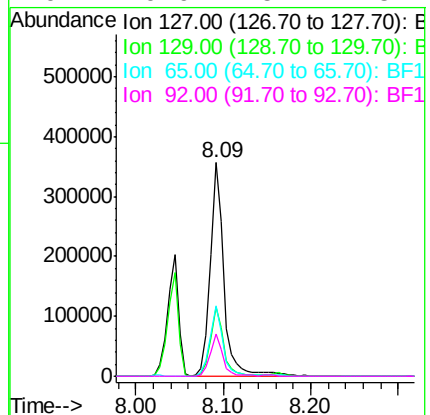
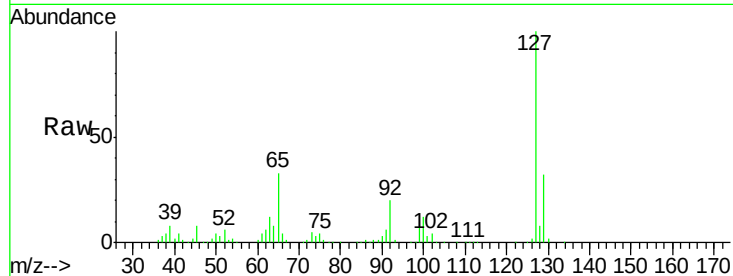
#33
4-Chloroaniline
Concen: 24.009 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.2	26.2	39.2		
65	32.9	28.3	42.5		
92	19.9	15.4	23.2		

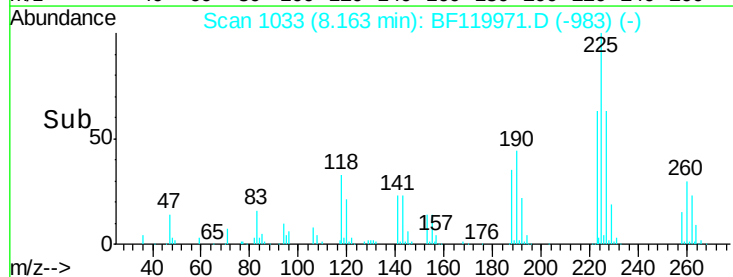
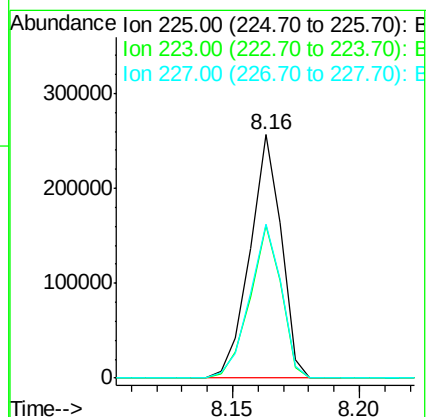
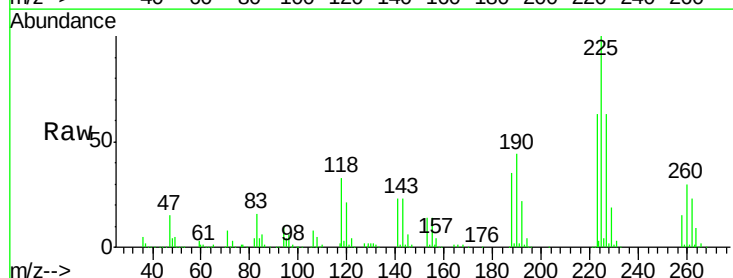
Manual Integrations
APPROVED

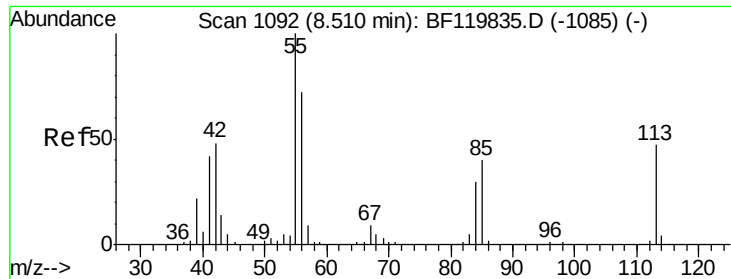
mohammad
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#34
Hexachlorobutadiene
Concen: 30.758 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	51.0	76.6		
227	63.0	50.4	75.6		





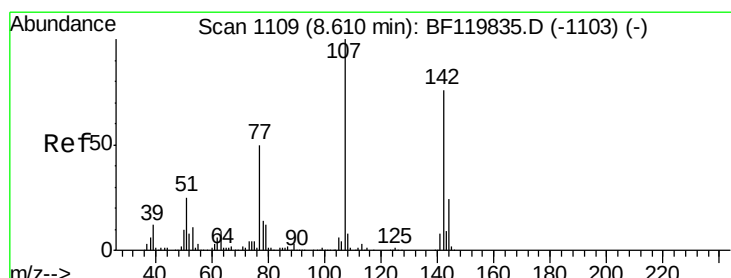
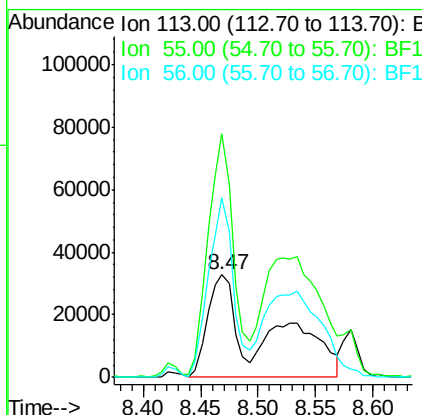
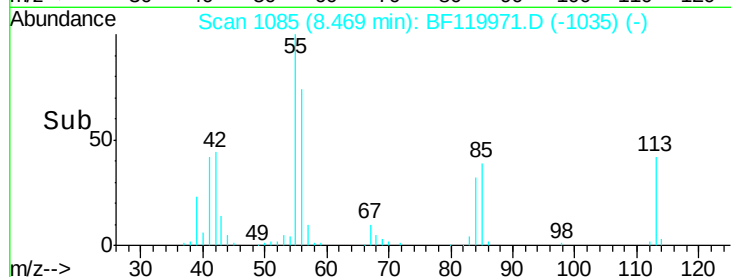
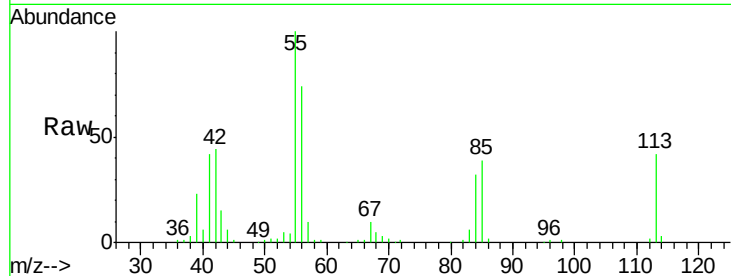
#35
Caprolactam
Concen: 34.930 ng/ml
RT: 8.47 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	237.1	192.7	232.7#		
56	174.8	133.3	173.3#		

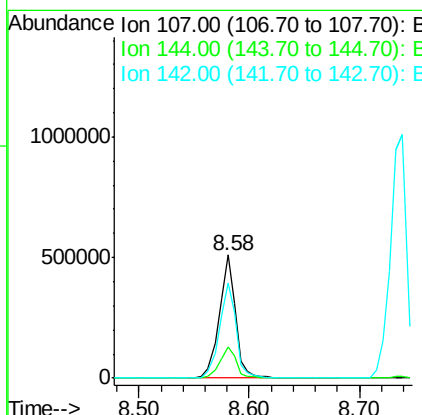
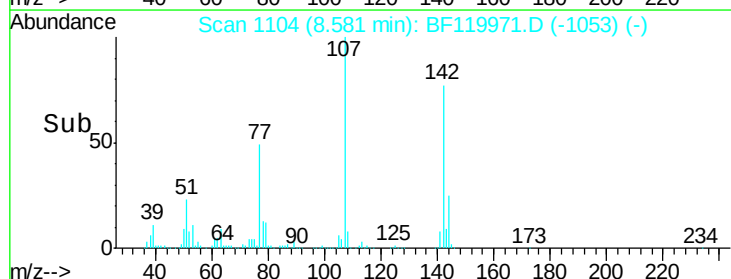
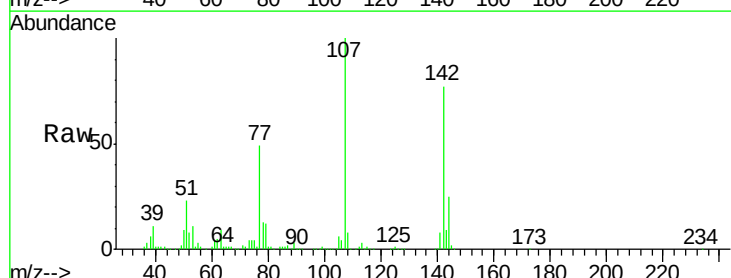
Manual Integrations
APPROVED

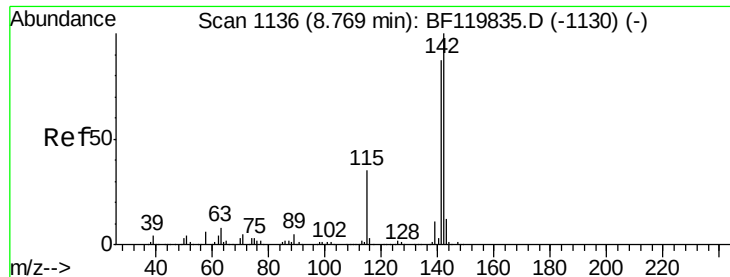
mohammad
4/16/2020 12:51:37 PM



#36
4-Chloro-3-methylphenol
Concen: 45.564 ng
RT: 8.58 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.0	19.5	29.3		
142	77.2	60.5	90.7		





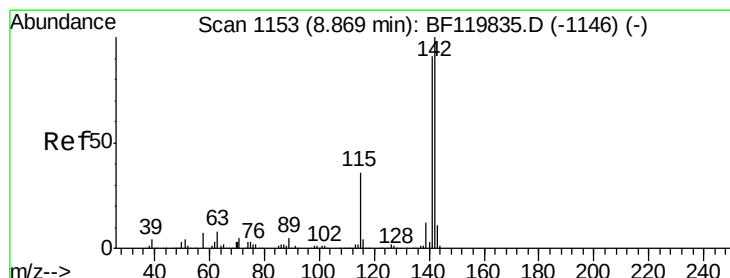
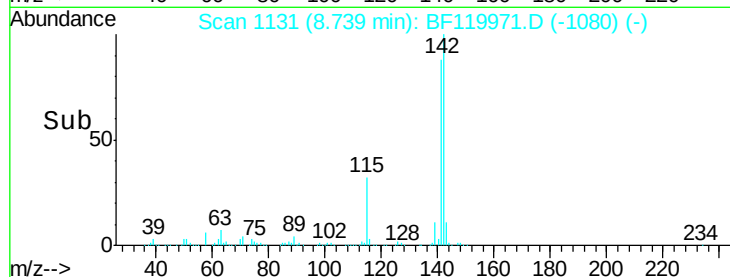
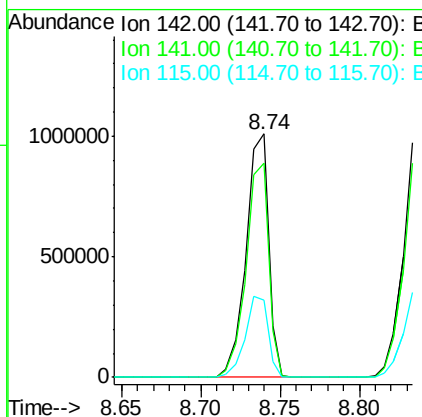
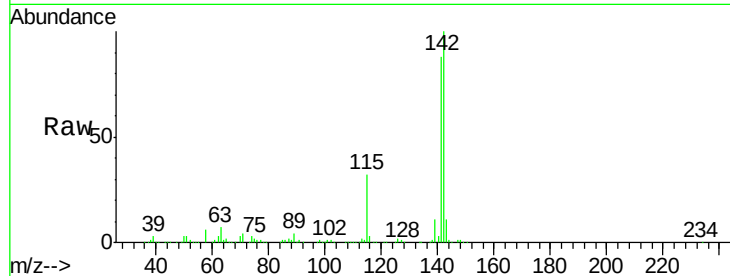
#37
2-Methylnaphthalene
Concen: 39.527 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.9	104.9
115	32.0	28.0	42.0

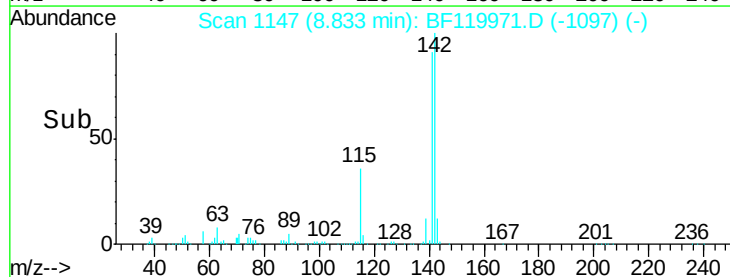
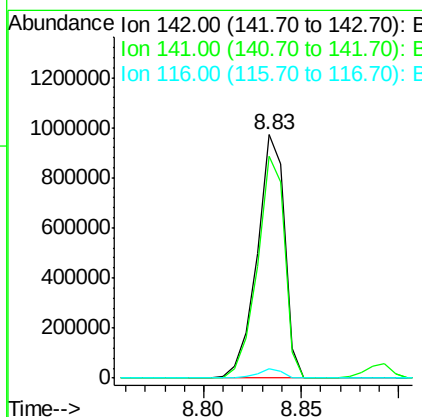
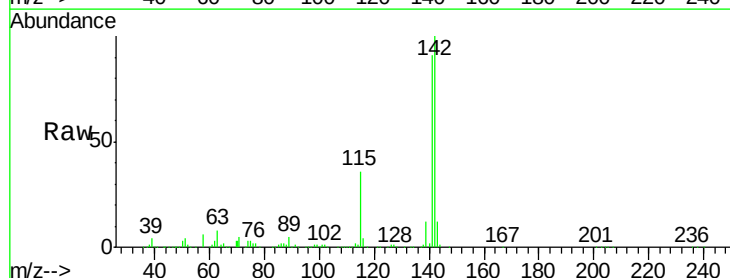
Manual Integrations
APPROVED

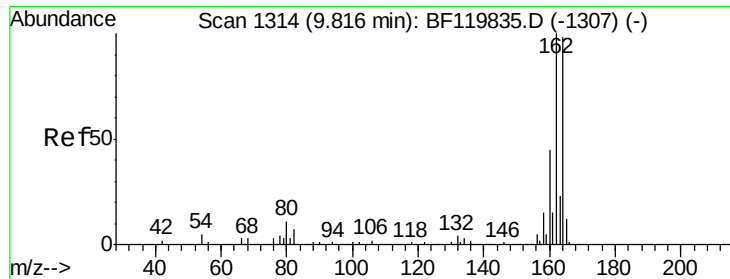
mohammad
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#38
1-Methylnaphthalene
Concen: 39.880 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.9	109.3
116	3.7	3.0	4.6





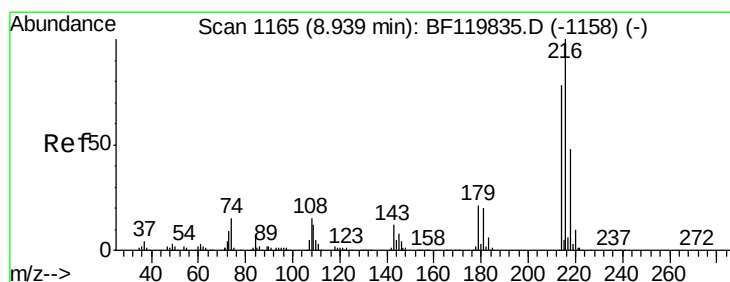
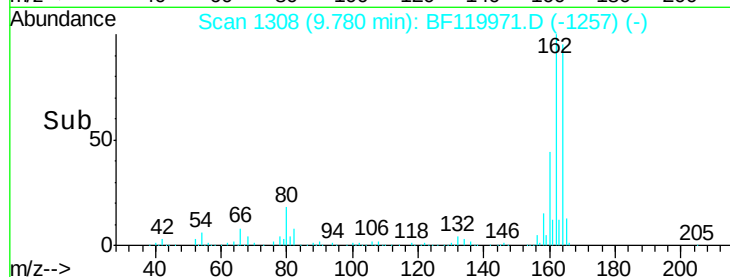
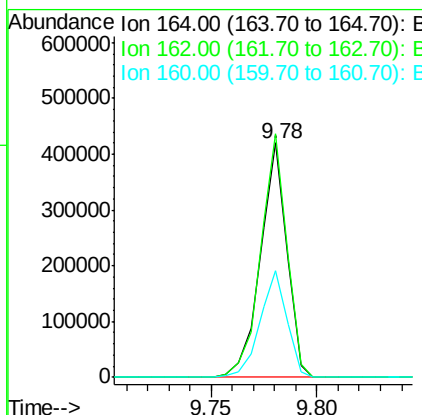
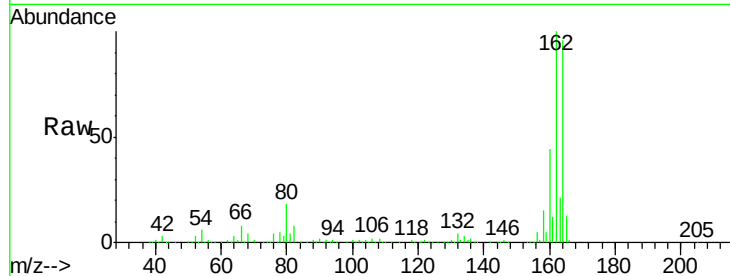
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	81.9	122.9	
160	45.6	36.6	54.8	

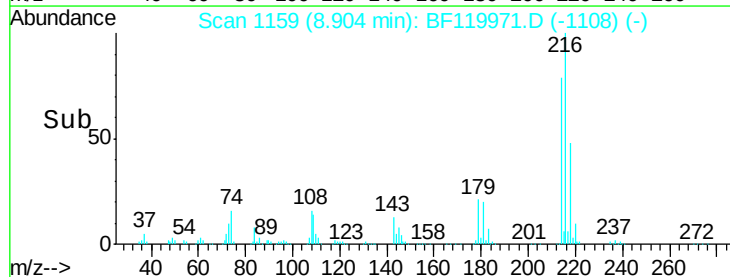
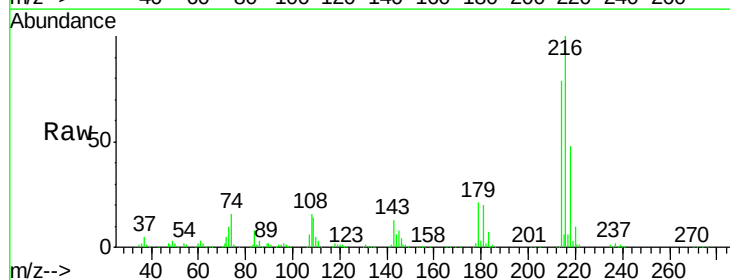
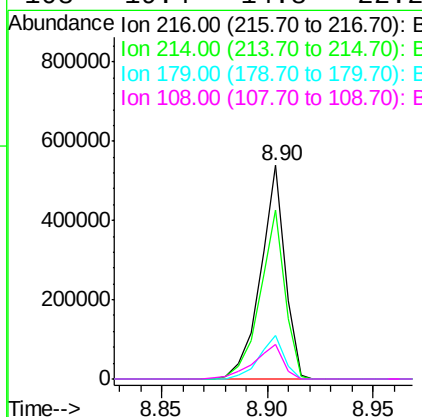
Manual Integrations
APPROVED

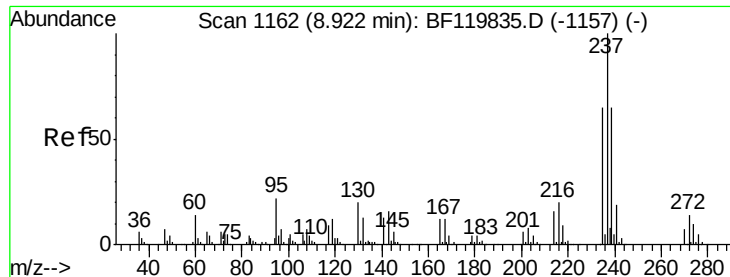
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.694 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.9	63.1	94.7	
179	20.9	17.0	25.4	
108	19.4	14.8	22.2	





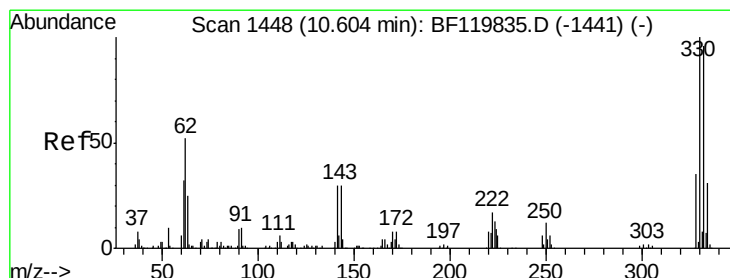
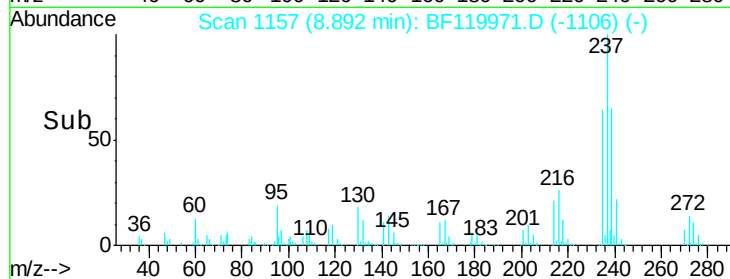
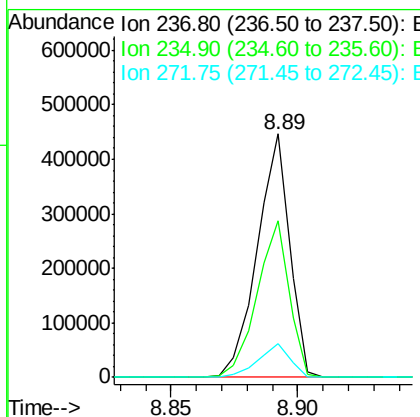
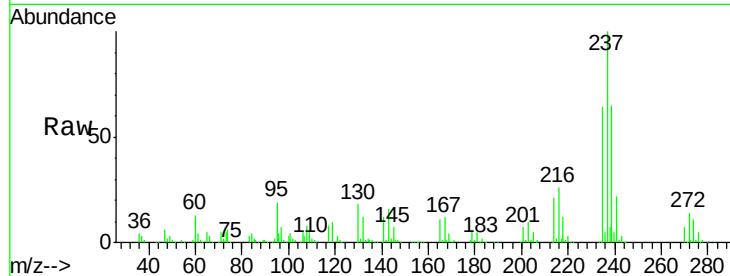
#41
Hexachlorocyclopentadiene
Concen: 60.604 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	64.1	44.9	84.9
272	13.9	0.0	33.6

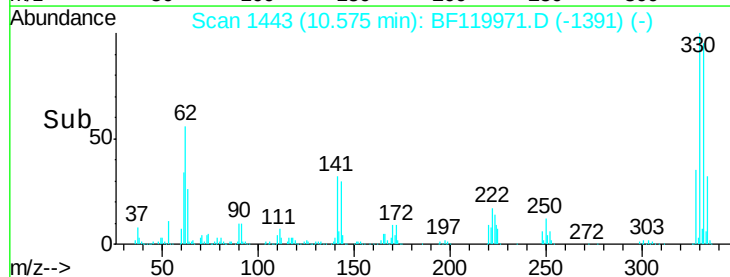
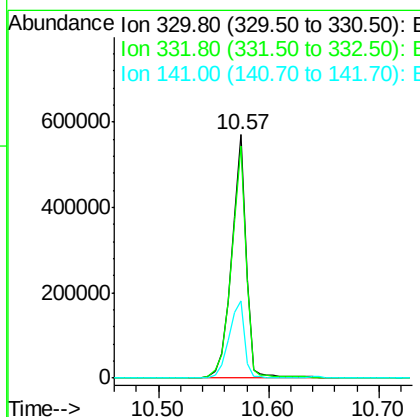
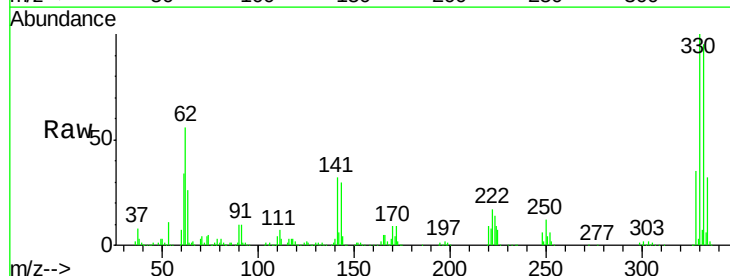
Manual Integrations
APPROVED

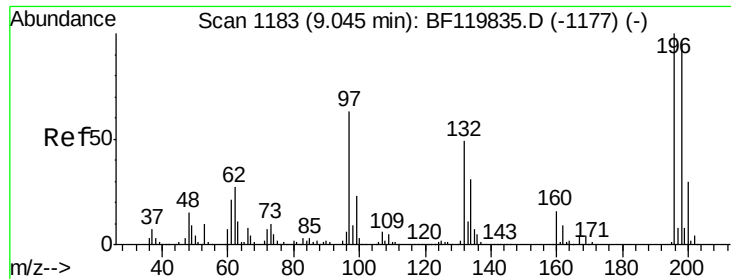
mohammad
4/16/2020 12:51:37 PM



#42
2,4,6-Tribromophenol
Concen: 118.551 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.9	76.8	115.2
141	33.9	25.1	37.7





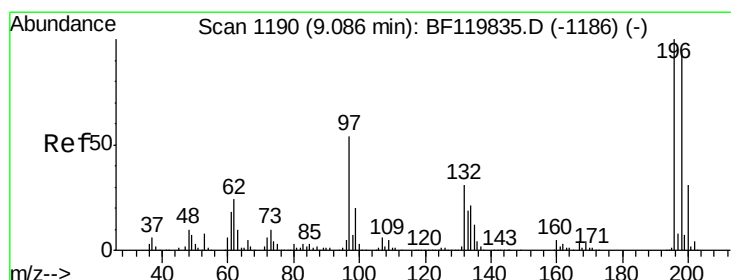
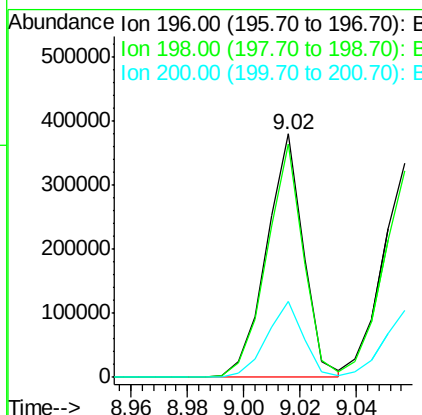
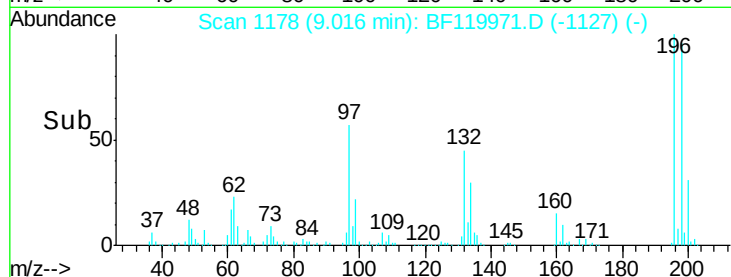
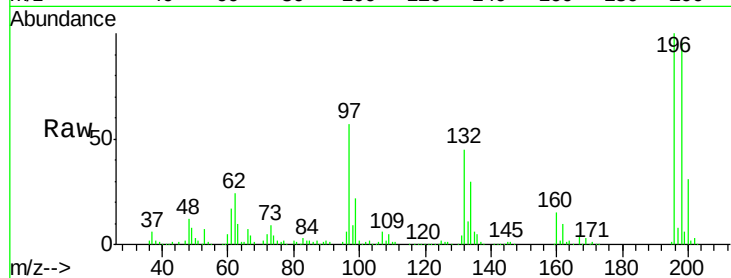
#43
 2,4,6-Trichlorophenol
 Concen: 43.048 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion:	196	Resp:	343804
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.6	115.0
200	31.3	24.2	36.2

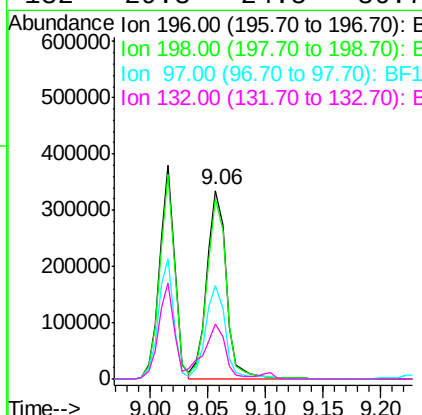
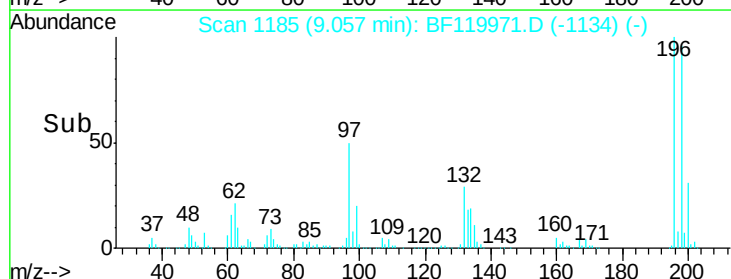
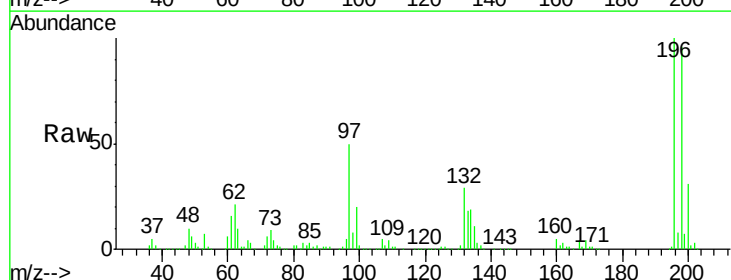
Manual Integrations
 APPROVED

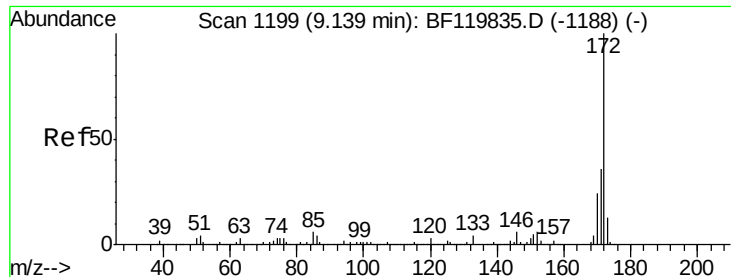
mohammad
 4/16/2020 12:51:37 PM



#44
 2,4,5-Trichlorophenol
 Concen: 43.767 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion:	196	Resp:	393692
Ion Ratio	Lower	Upper	
196	100		
198	96.1	75.1	112.7
97	49.5	43.4	65.2
132	29.3	24.5	36.7





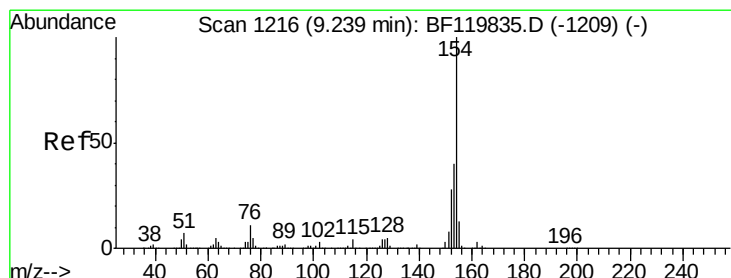
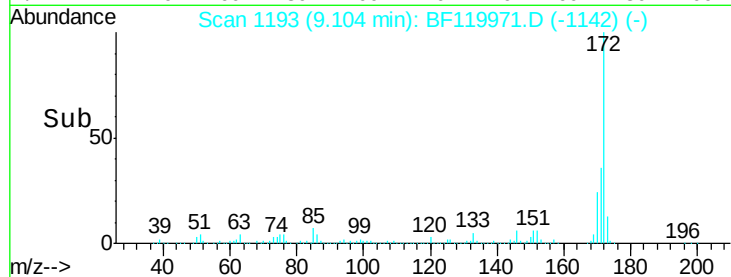
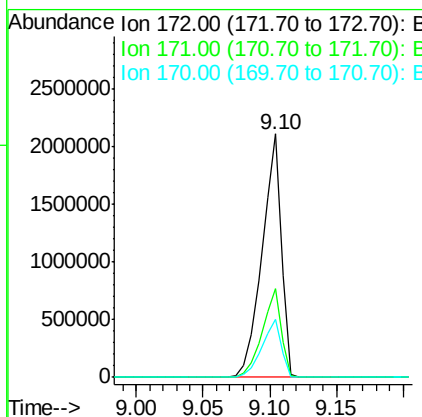
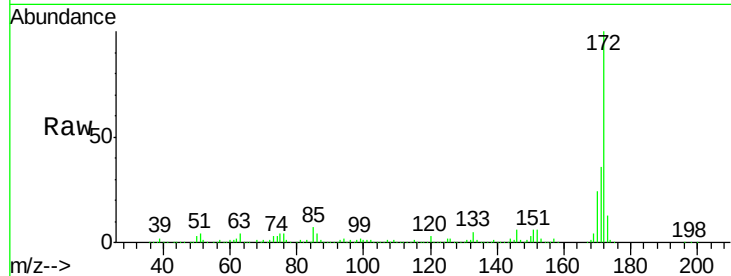
#45
2-Fluorobiphenyl
Concen: 80.750 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	24.0	19.4	29.2

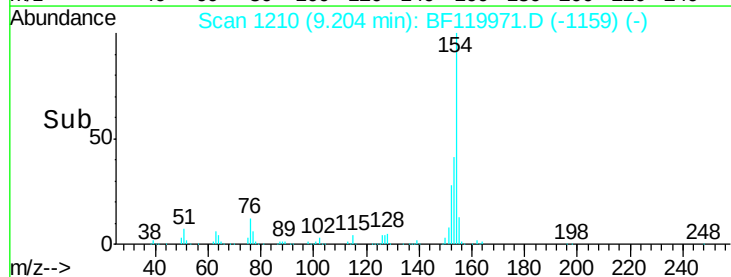
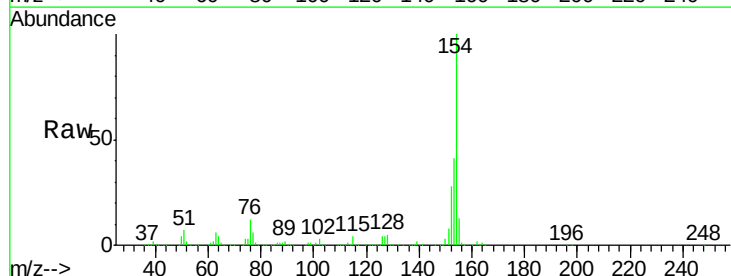
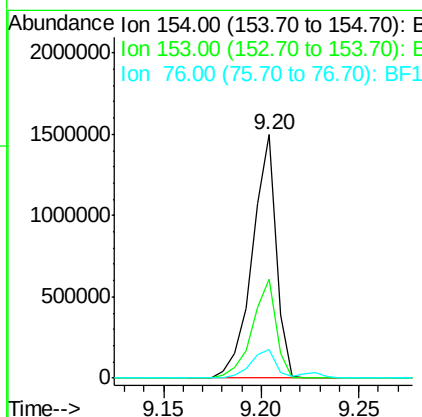
Manual Integrations
APPROVED

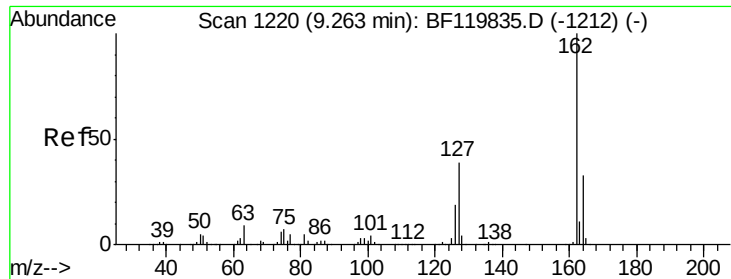
mohammad
4/16/2020 12:51:37 PM



#46
1,1'-Biphenyl
Concen: 41.007 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	11.9	0.0	30.6





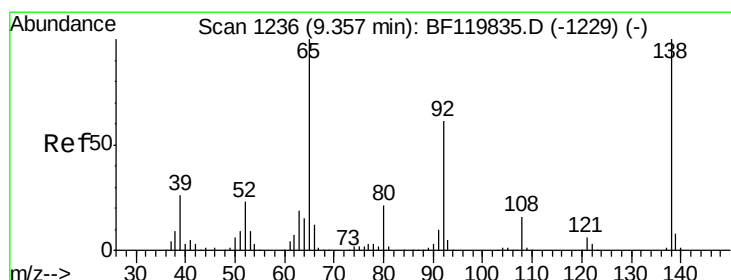
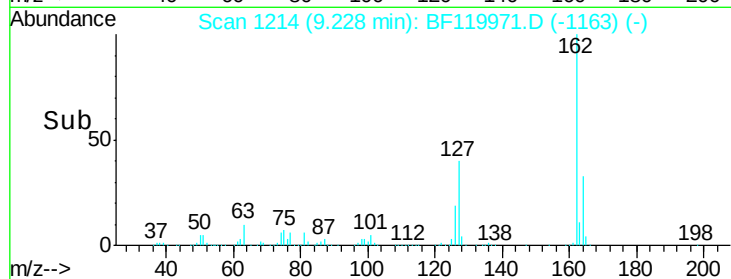
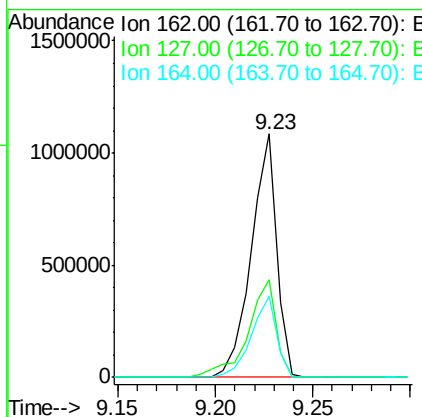
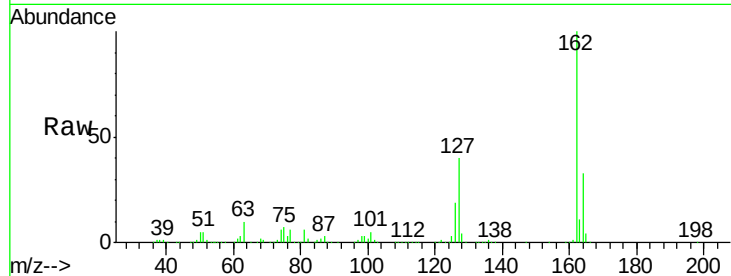
#47
 2-Chloronaphthalene
 Concen: 41.093 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion:	162	Resp:	978421
Ion Ratio	Lower	Upper	
162	100		
127	40.2	31.2	46.8
164	33.4	26.3	39.5

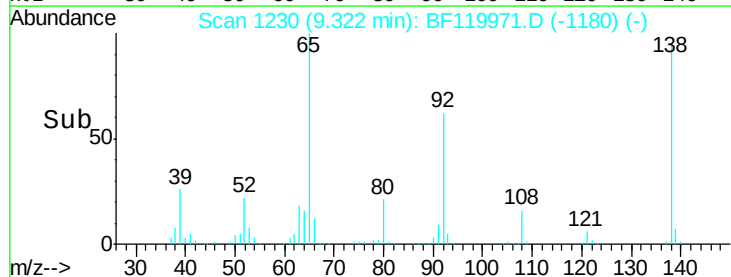
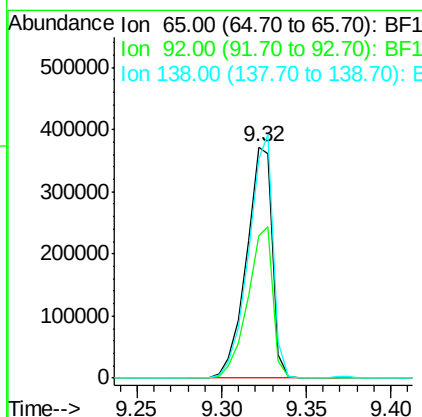
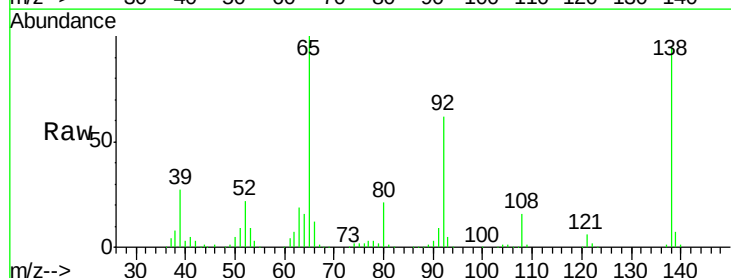
Manual Integrations
 APPROVED

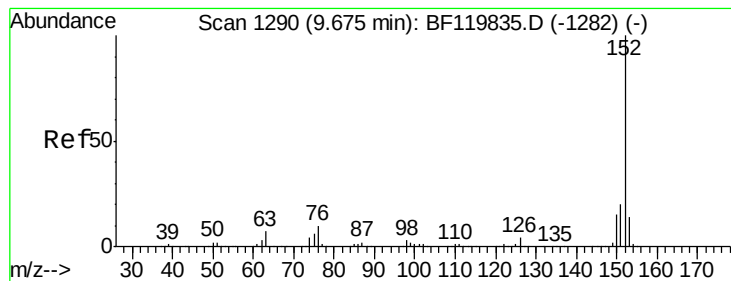
mohammad
 4/16/2020 12:51:37 PM



#48
 2-Nitroaniline
 Concen: 46.268 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion:	65	Resp:	399217
Ion Ratio	Lower	Upper	
65	100		
92	61.6	49.0	73.6
138	94.7	79.7	119.5





#49

Acenaphthylene

Concen: 44.067 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:152 Resp: 1595667

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

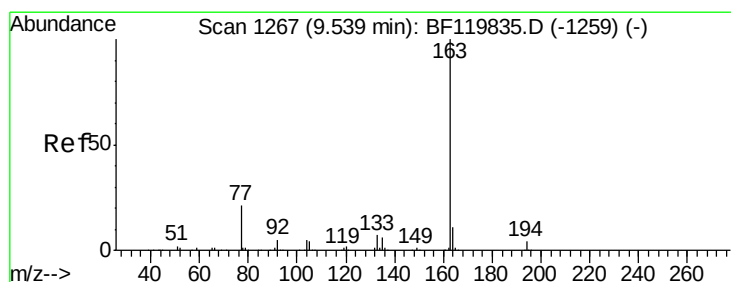
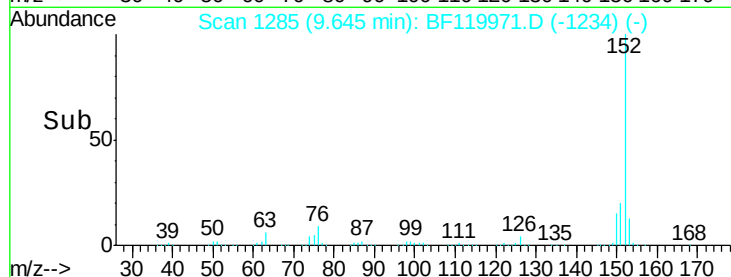
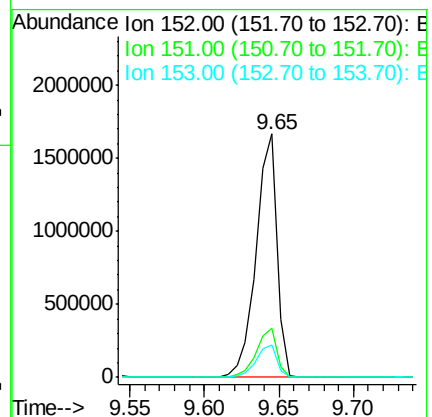
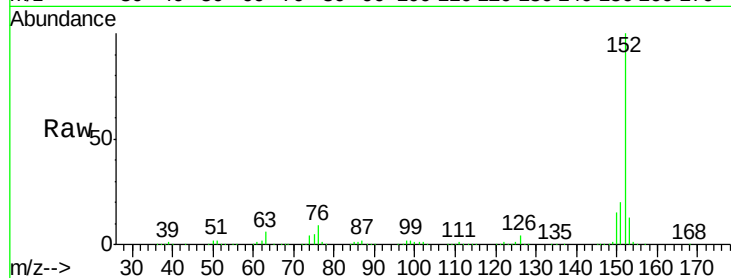
153 13.5 10.9 16.3

Manual Integrations

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#50

Dimethylphthalate

Concen: 45.846 ng

RT: 9.52 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

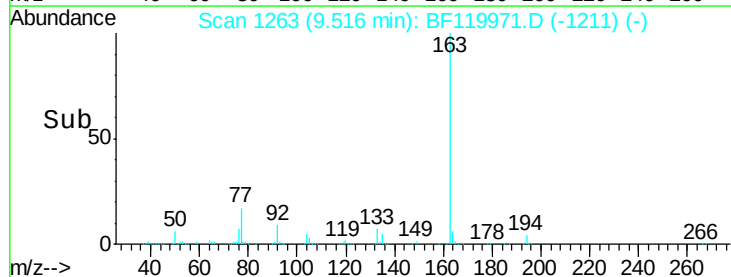
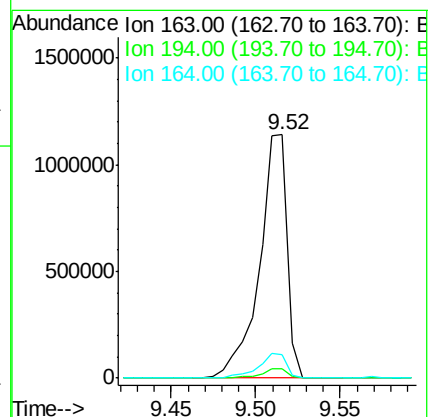
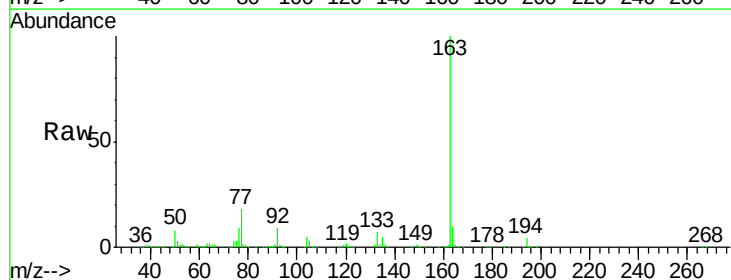
Tgt Ion:163 Resp: 1298523

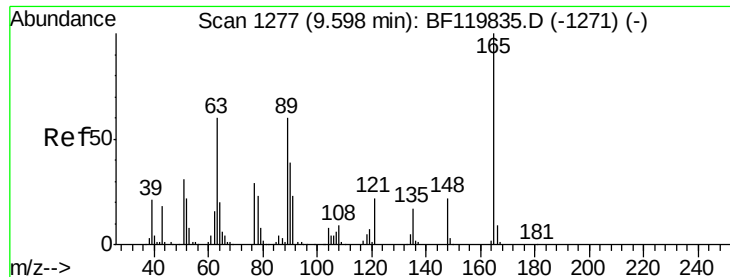
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.4

164 9.8 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 46.990 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

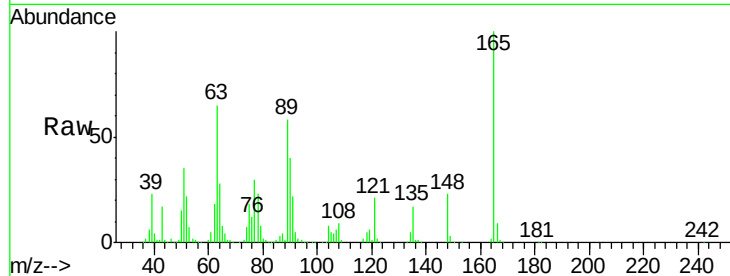
ClientSampleId :

VNJ-223MSD

Tot Ion:	165	Resp:	291451
Ion Ratio	Lower	Upper	
165	100		
63	65.4	55.6	83.4
89	57.5	47.9	71.9

Manual Integrations
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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

9.57

400000

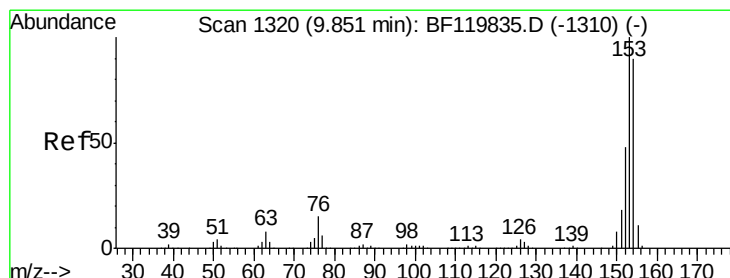
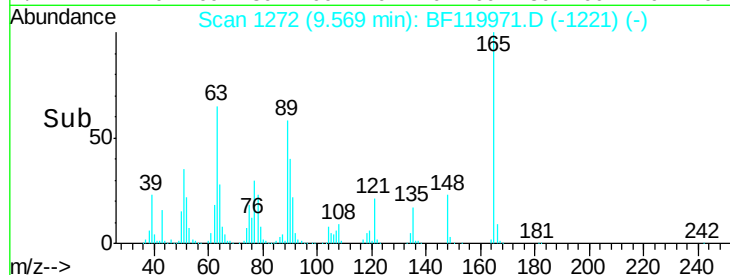
300000

200000

100000

0

Time-->



#52

Acenaphthene

Concen: 47.739 ng m

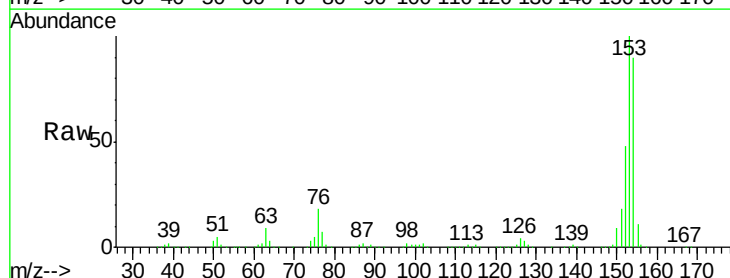
RT: 9.82 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Tgt Ion:	154	Resp:	1153102
Ion Ratio	Lower	Upper	
154	100		
153	111.6	88.8	133.2
152	53.1	42.4	63.6



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

9.82

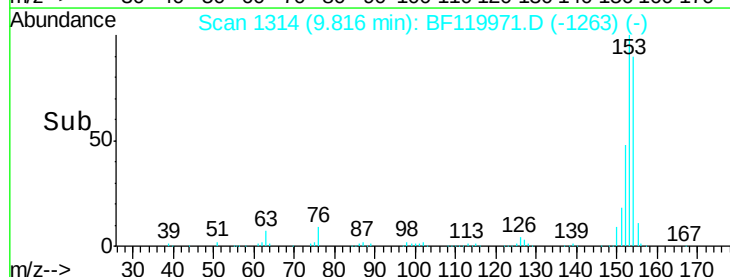
1500000

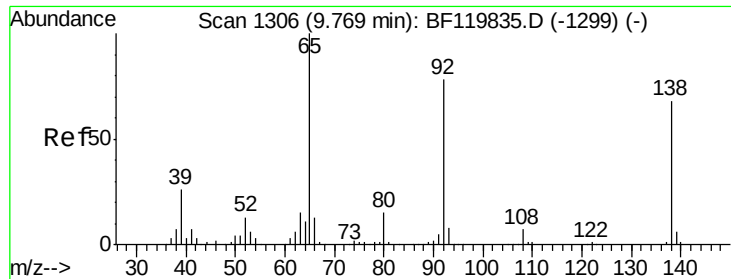
1000000

500000

0

Time-->





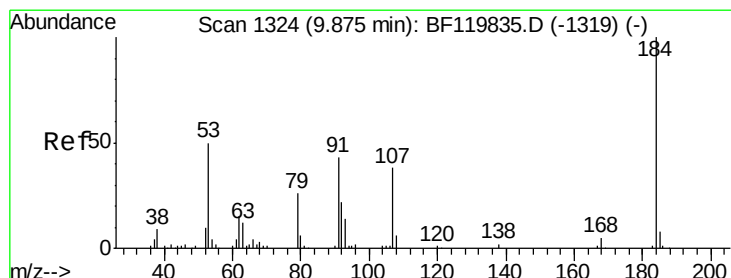
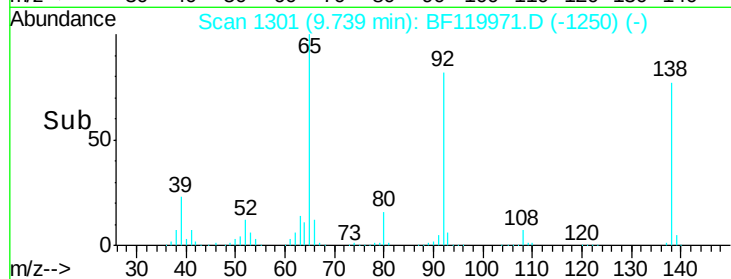
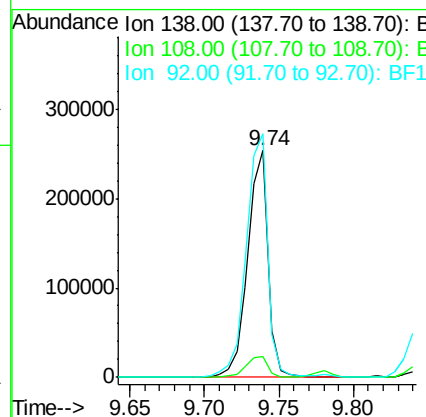
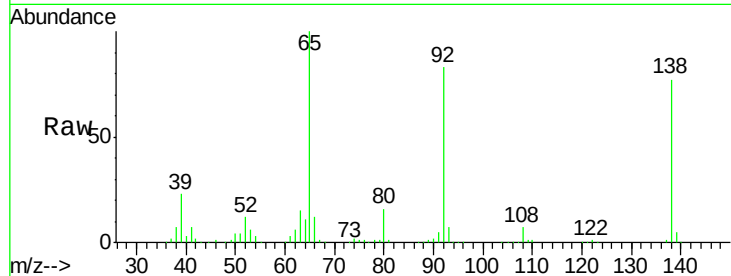
#53
3-Nitroaniline
Concen: 33.982 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	240723		
108	9.5	8.0	12.0	
92	107.5	92.1	138.1	

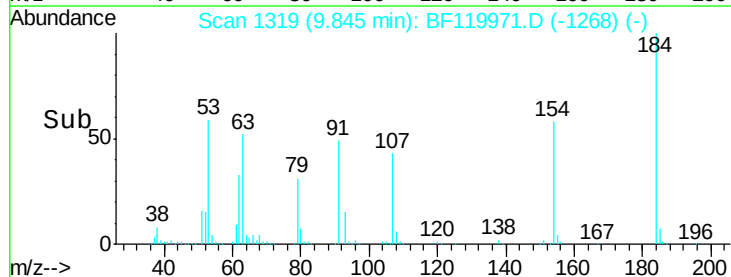
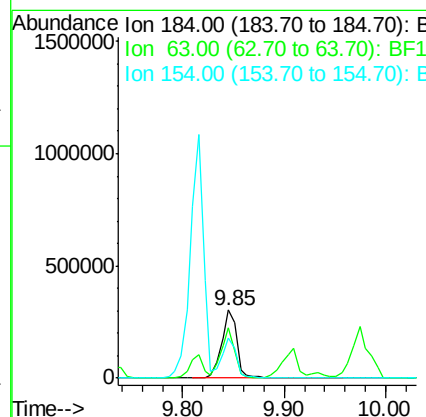
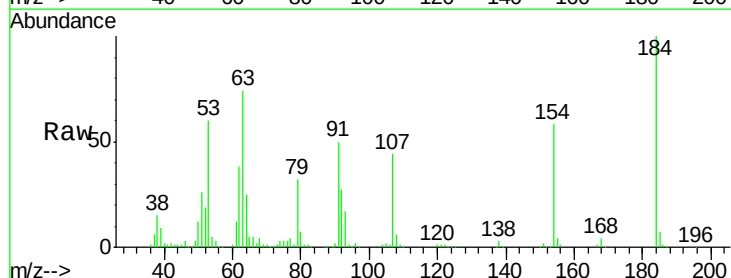
Manual Integrations
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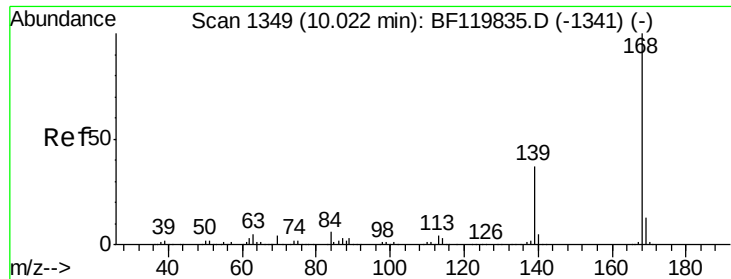
mohammad
4/16/2020 12:51:37 PM



#54
2,4-Dinitrophenol
Concen: 84.963 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	315501		
63	74.5	49.8	74.6	
154	58.5	46.5	69.7	





#55

Dibenzofuran

Concen: 44.858 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:168 Resp: 1486853

Ion Ratio Lower Upper

168 100

139 38.2 29.8 44.6

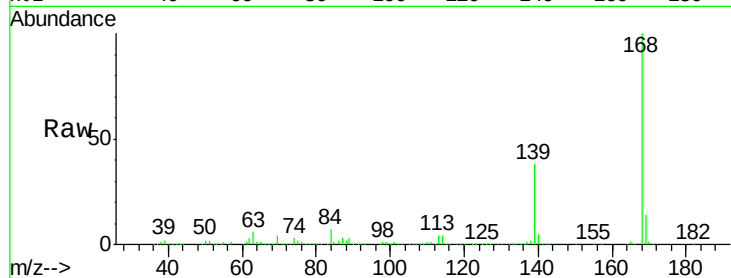
169 13.7 10.6 15.8

Manual Integrations

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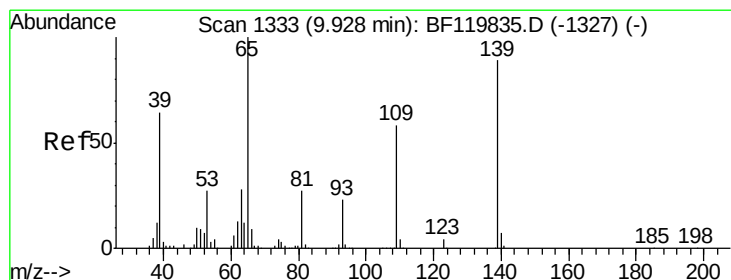
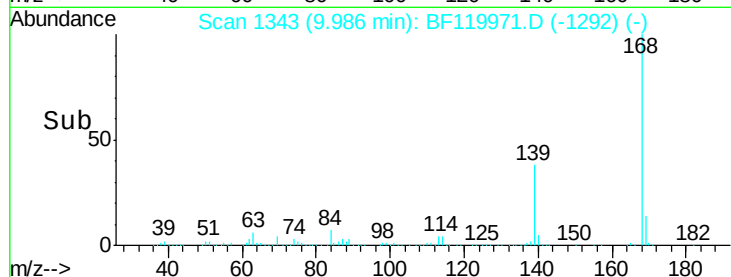
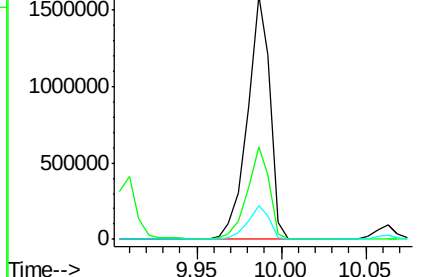
4/16/2020 12:51:37 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 83.554 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

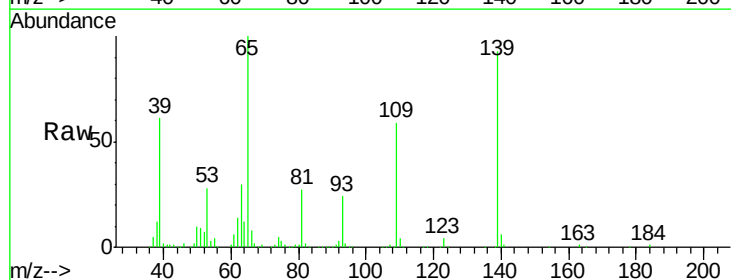
Tgt Ion:139 Resp: 440385

Ion Ratio Lower Upper

139 100

109 62.8 45.5 85.5

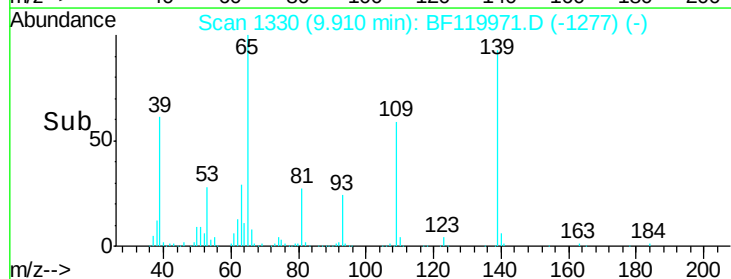
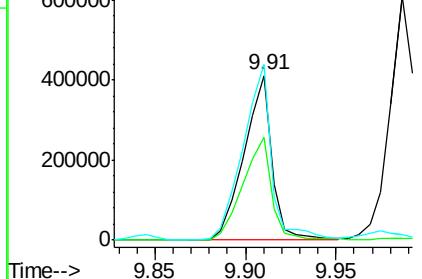
65 107.1 92.3 132.3

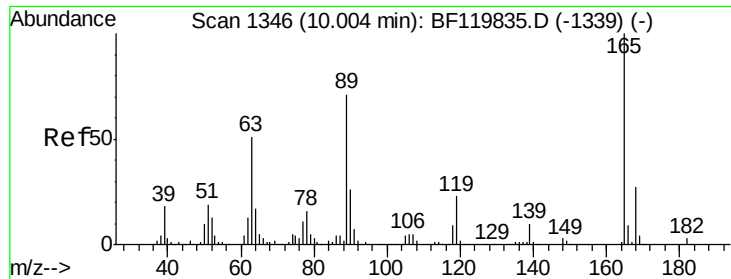


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





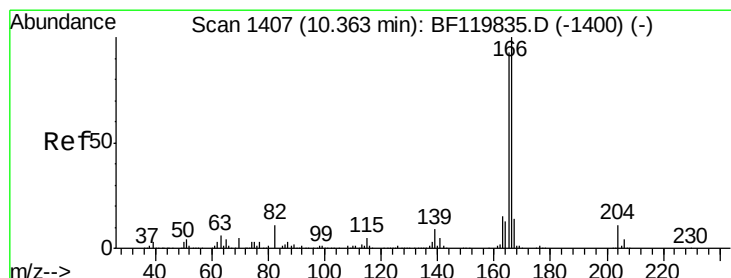
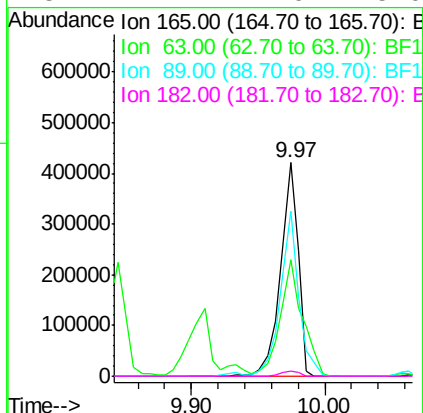
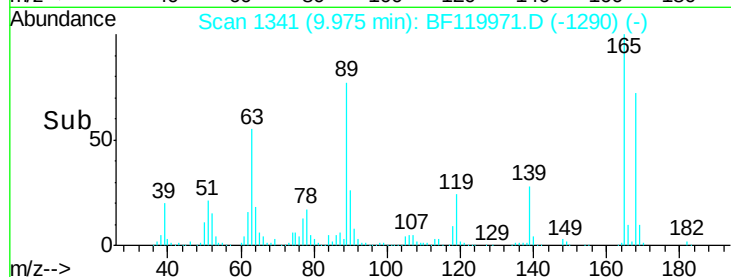
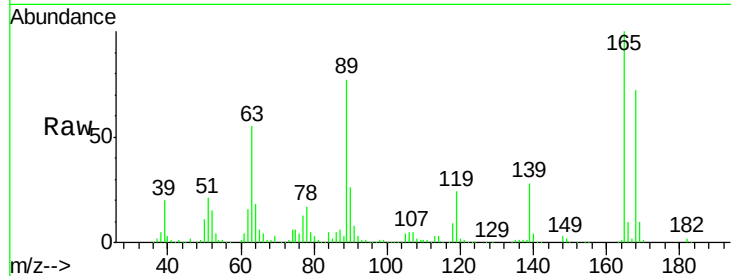
#57
2,4-Dinitrotoluene
Concen: 48.114 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		393179		
63	54.8	40.8	61.2		
89	77.5	56.9	85.3		
182	2.4	2.0	3.0		

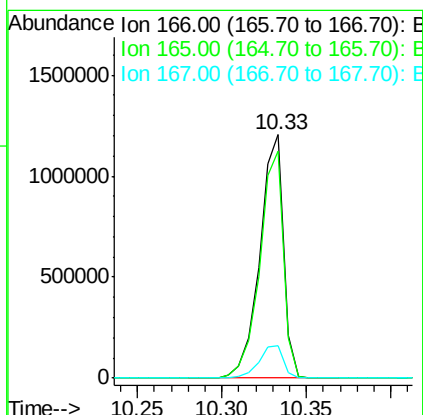
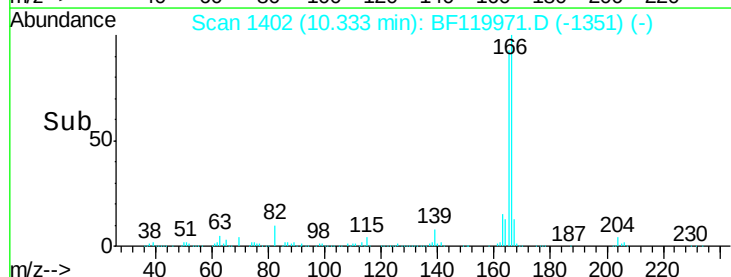
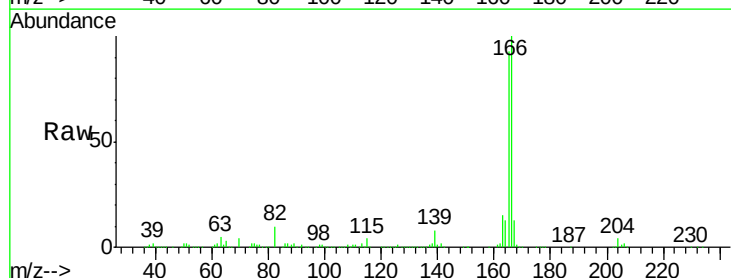
Manual Integrations
APPROVED

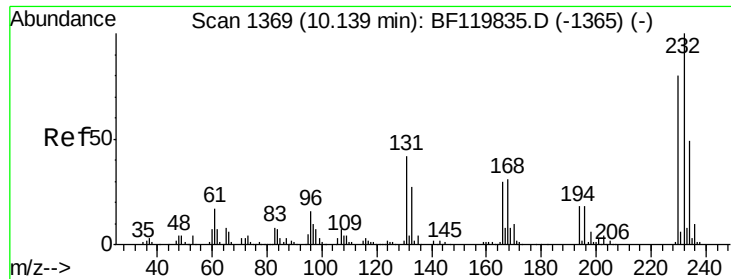
mohammad
4/16/2020 12:51:37 PM



#58
Fluorene
Concen: 44.020 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1166899		
165	93.4	74.2	111.2		
167	13.4	10.8	16.2		





#59

2,3,4,6-Tetrachlorophenol

Concen: 49.583 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

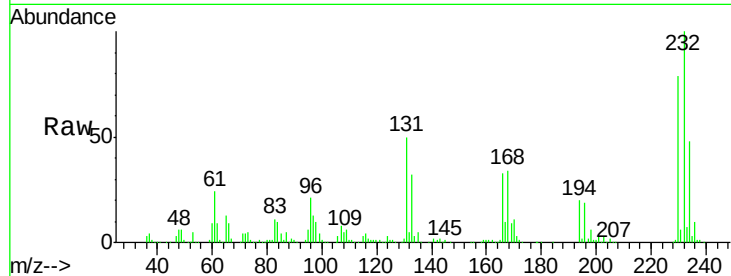
ClientSampleId :

VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	44.5	37.9	56.9
130	2.2	1.8	2.6
166	30.9	25.4	38.0

Manual Integrations
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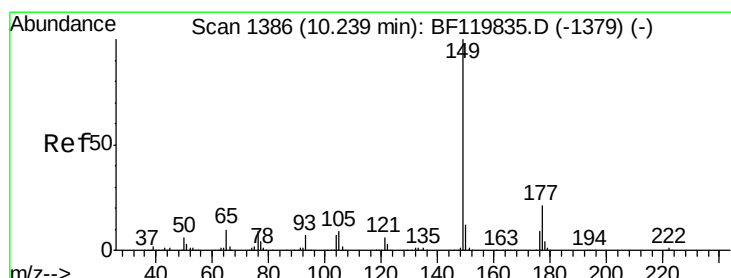
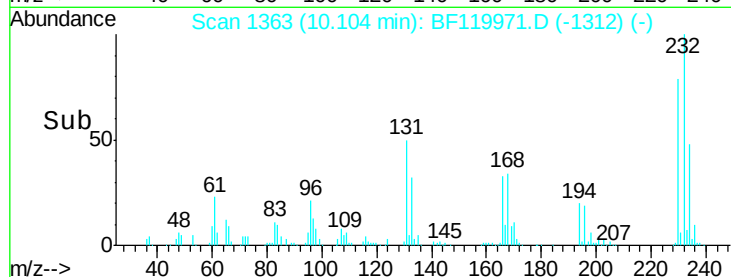
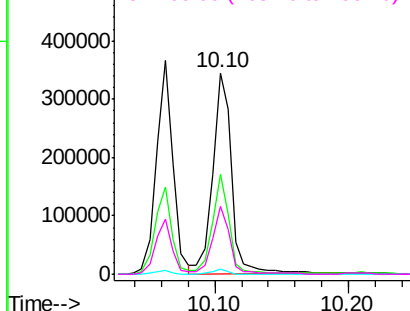


Abundance Ion 232.00 (231.70 to 232.70): E

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: 46.244 ng

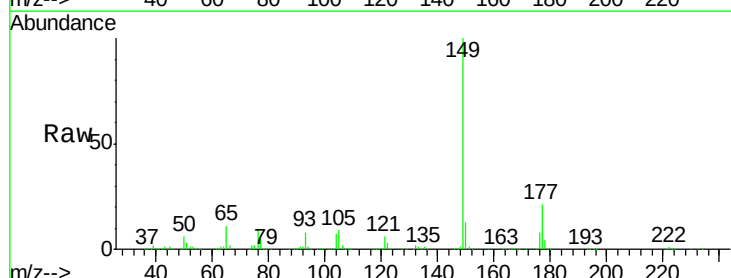
RT: 10.21 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

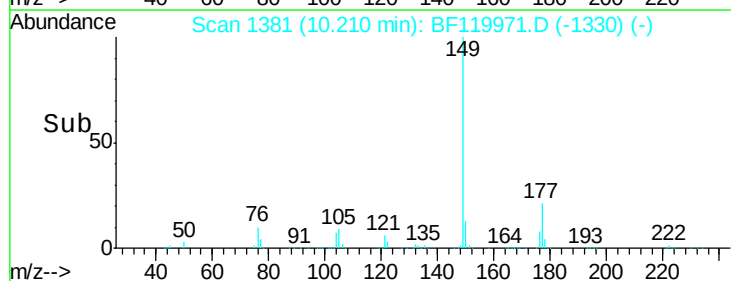
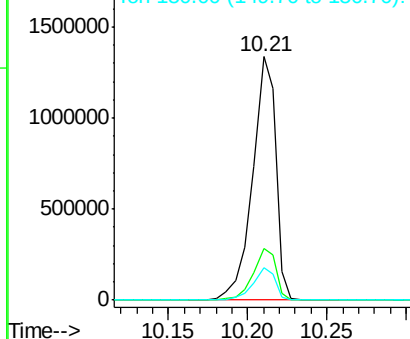
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.8	25.2
150	13.2	9.8	14.6

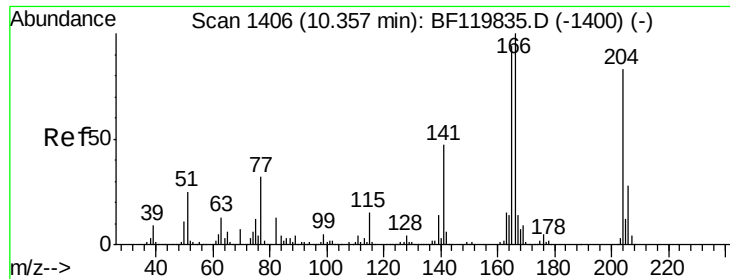


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





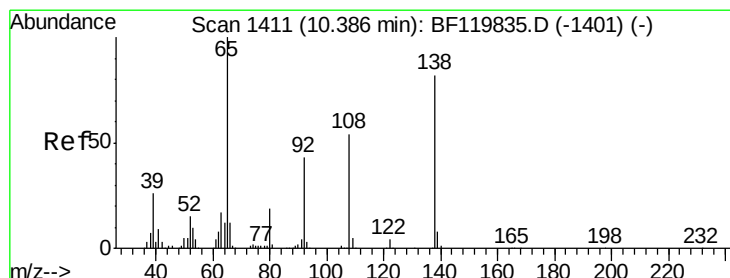
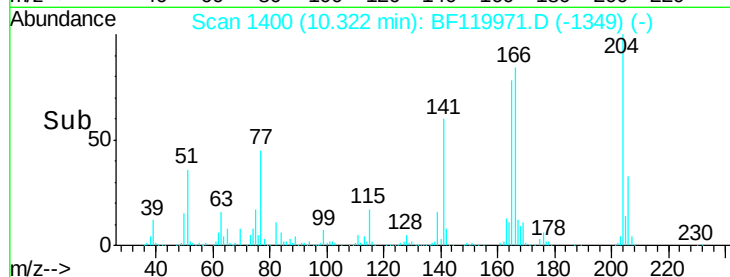
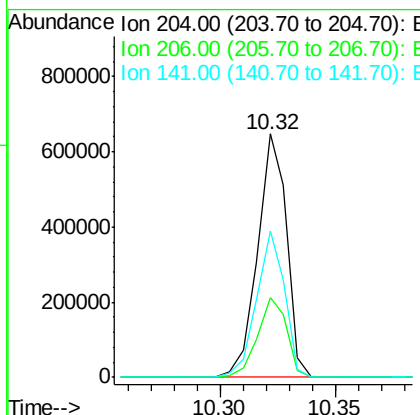
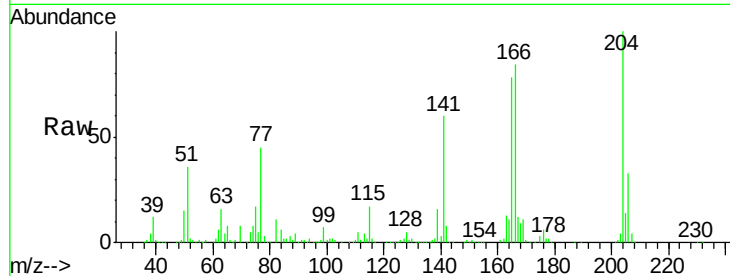
#61
 4-Chlorophenyl-phenylether
 Concen: 41.730 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion:	204	Resp:	566970
Ion Ratio	Lower	Upper	
204	100		
206	32.8	26.7	40.1
141	60.3	45.8	68.8

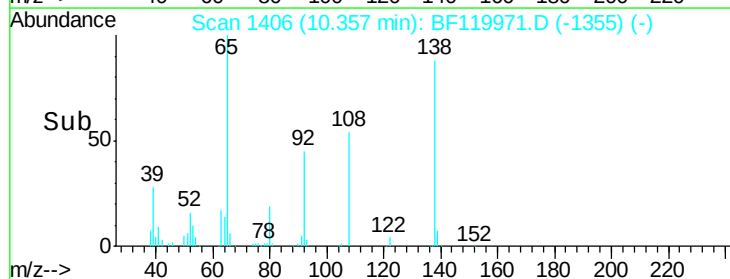
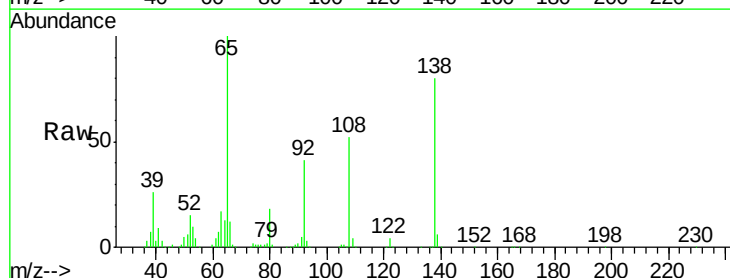
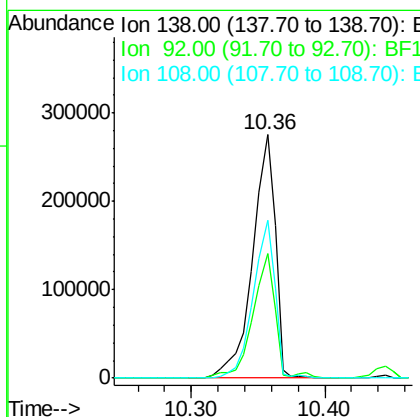
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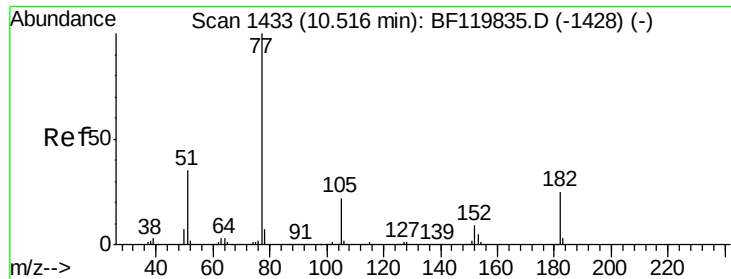
mohammad
 4/16/2020 12:51:37 PM



#62
 4-Nitroaniline
 Concen: 47.725 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion:	138	Resp:	322184
Ion Ratio	Lower	Upper	
138	100		
92	51.3	31.6	71.6
108	65.1	45.2	85.2





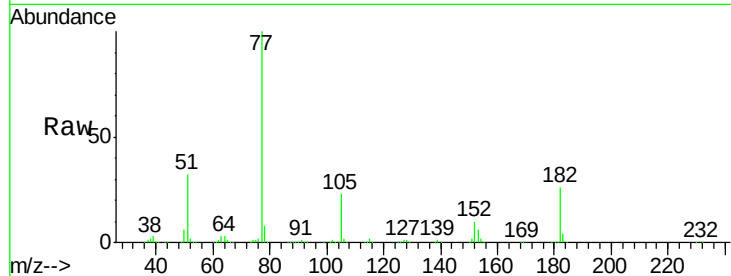
#63
Azobenzene
Concen: 47.873 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.5	4.5	44.5	
105	23.0	2.2	42.2	
51	32.0	15.1	55.1	

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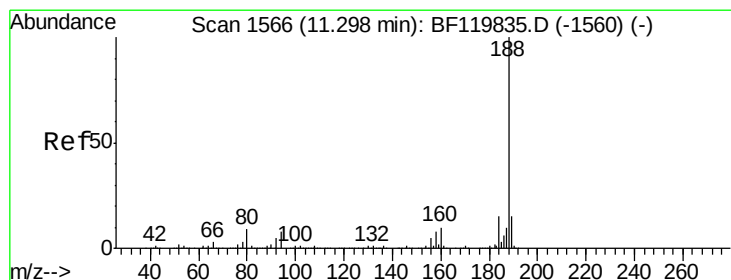
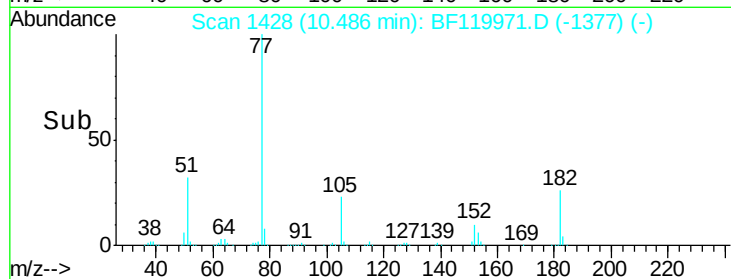
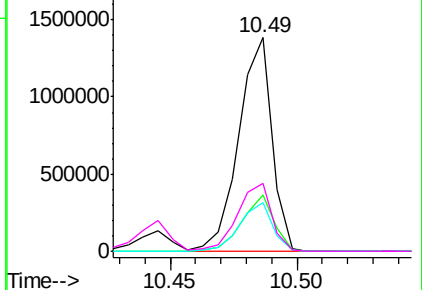


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



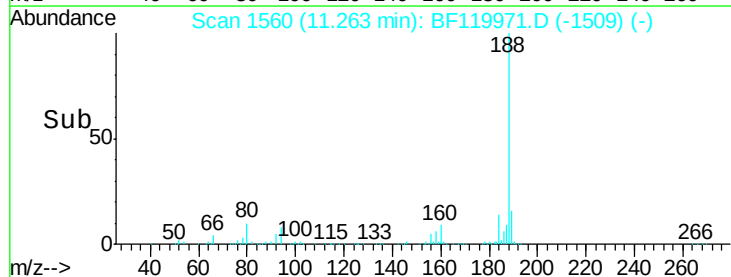
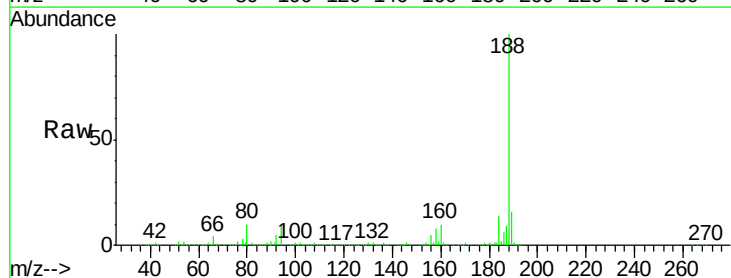
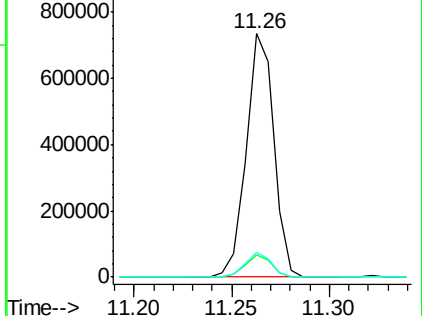
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

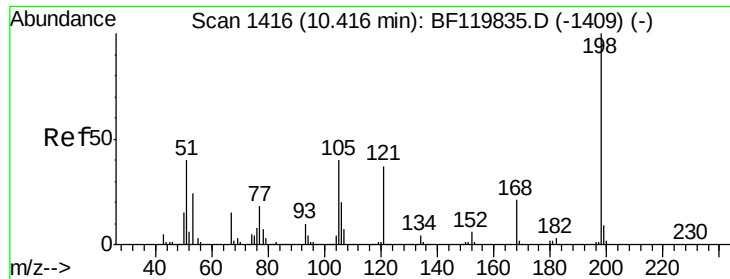
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.4	6.7	10.1	
80	10.0	7.4	11.2	

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





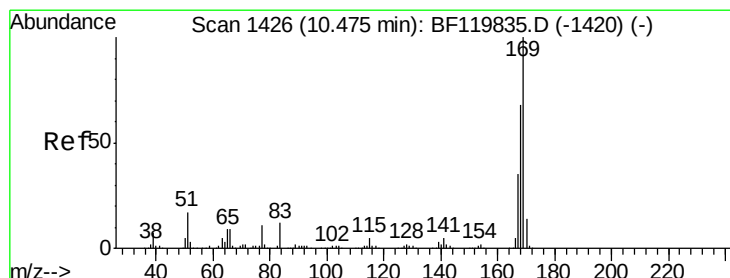
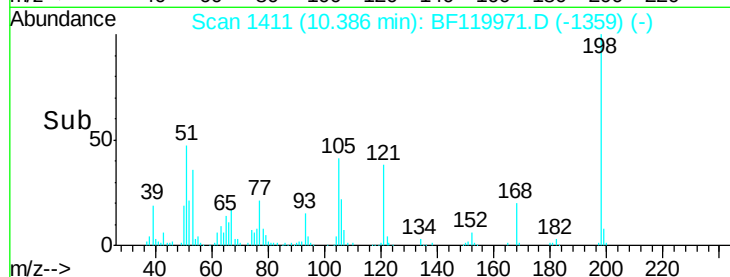
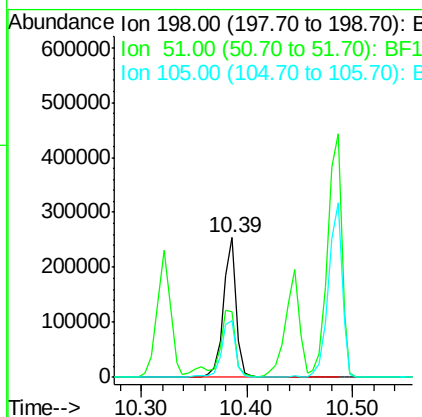
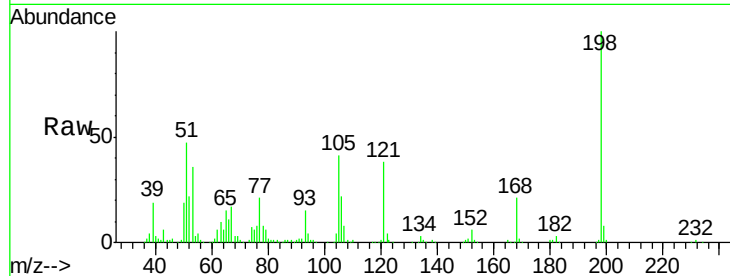
#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.884 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	217269		
51	47.1	25.2	65.2	
105	40.8	20.8	60.8	

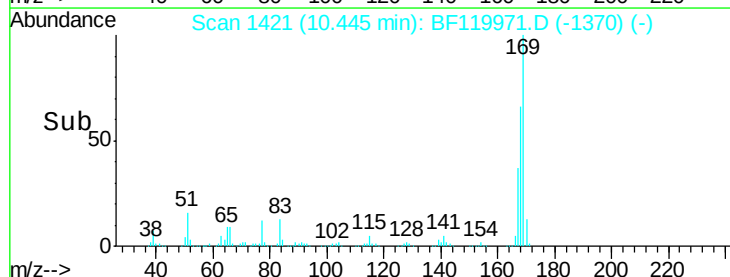
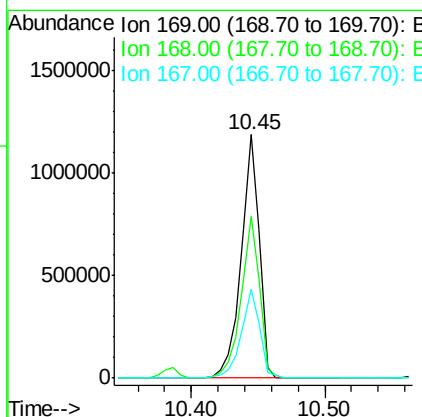
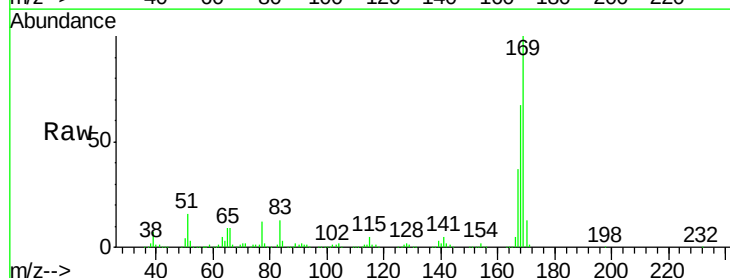
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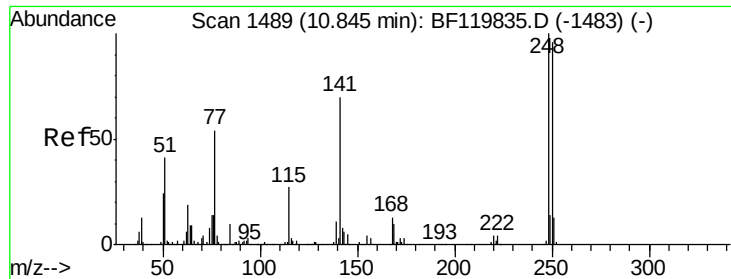
mohammad
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#66
 n-Nitrosodiphenylamine
 Concen: 46.690 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1116058		
168	66.6	54.2	81.4	
167	36.5	28.3	42.5	





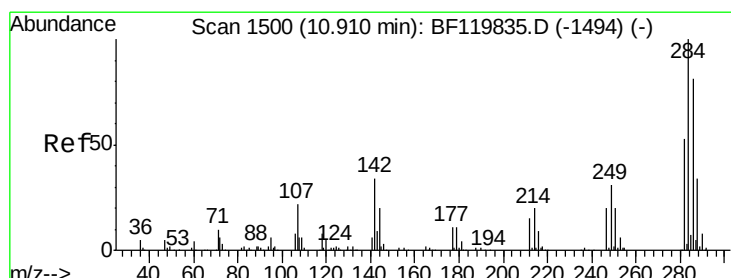
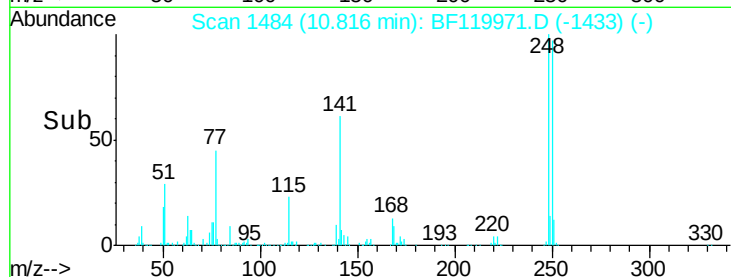
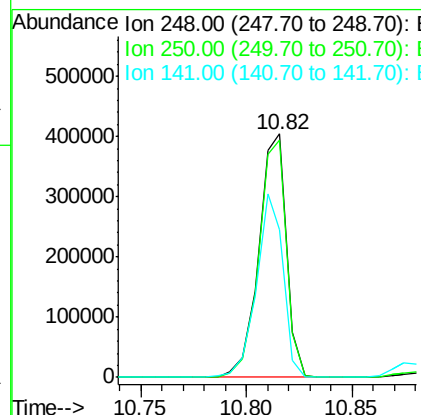
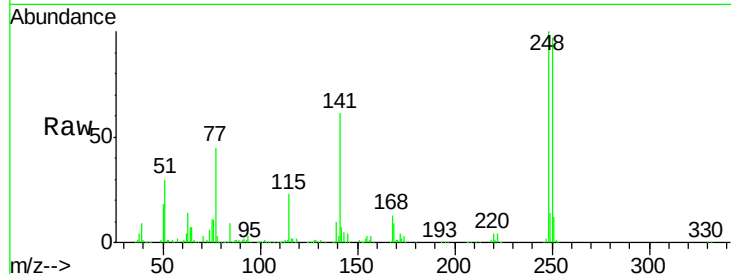
#67
 4-Bromophenyl-phenylether
 Concen: 41.262 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion:	248	Resp:	368819
Ion Ratio	Lower	Upper	
248	100		
250	97.2	76.6	114.8
141	60.7	55.9	83.9

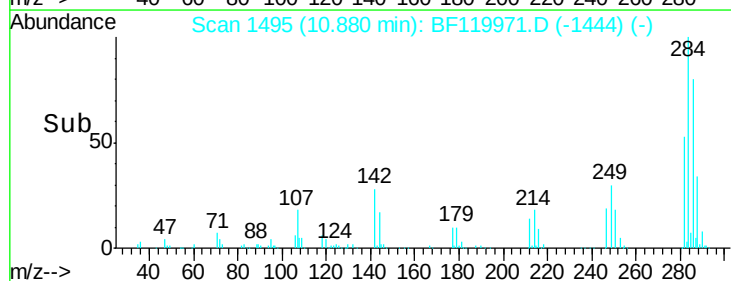
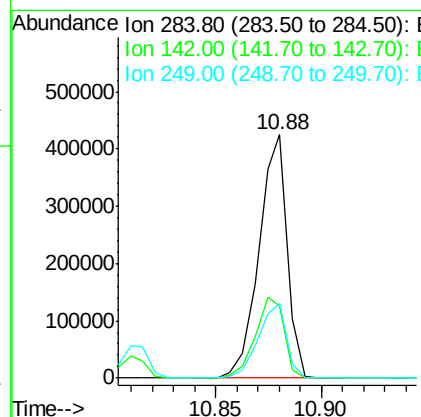
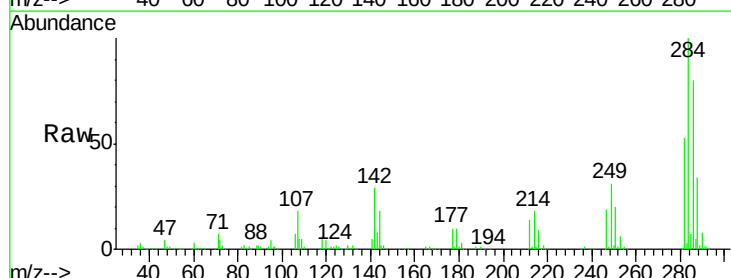
Manual Integrations
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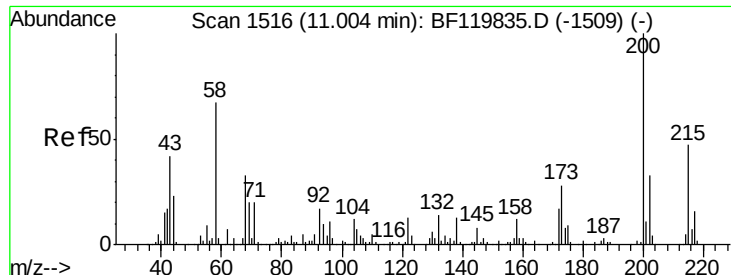
mohammad
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#68
 Hexachlorobenzene
 Concen: 43.384 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion:	284	Resp:	393392
Ion Ratio	Lower	Upper	
284	100		
142	29.4	26.9	40.3
249	30.9	24.6	37.0





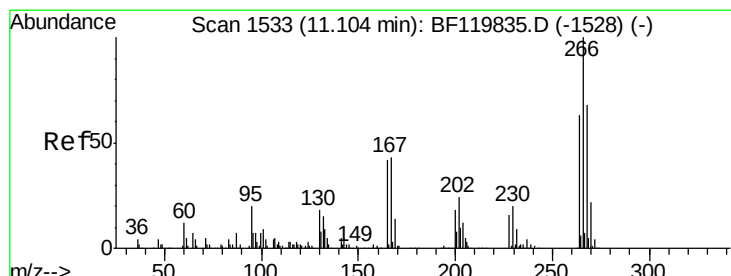
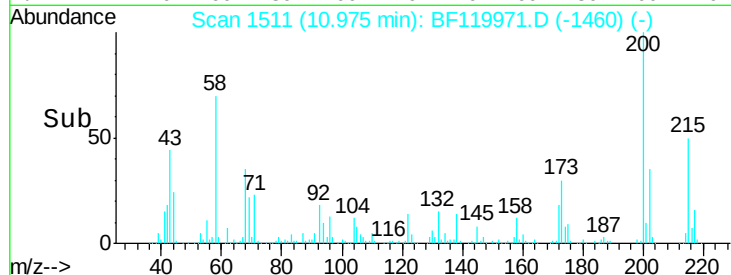
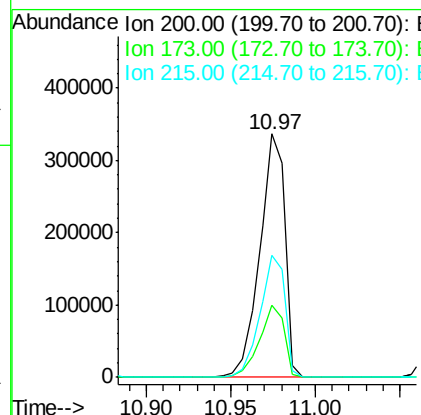
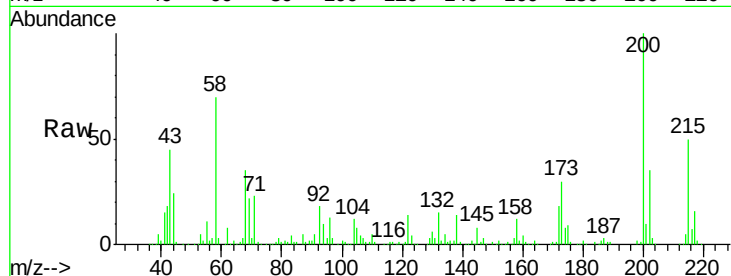
#69
 Atrazine
 Concen: 52.406 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	29.6	8.0	48.0
215	49.9	27.1	67.1

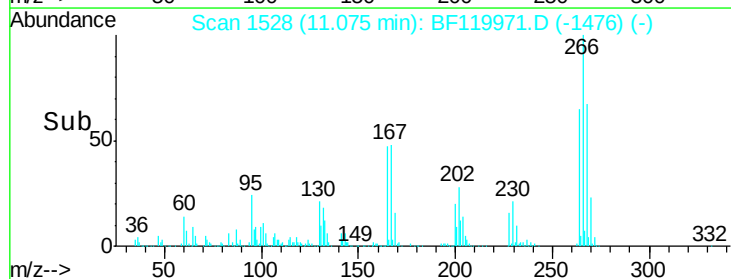
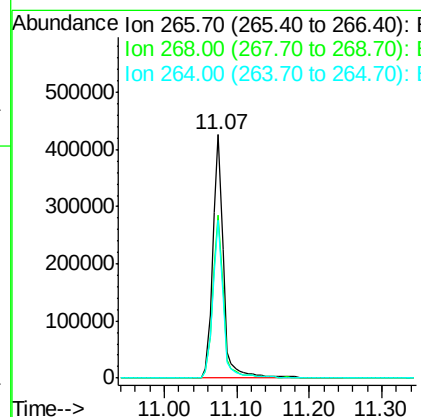
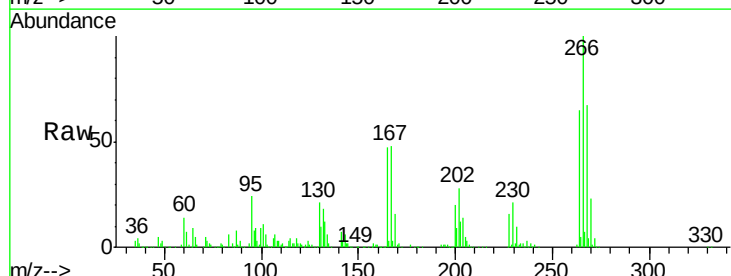
Manual Integrations
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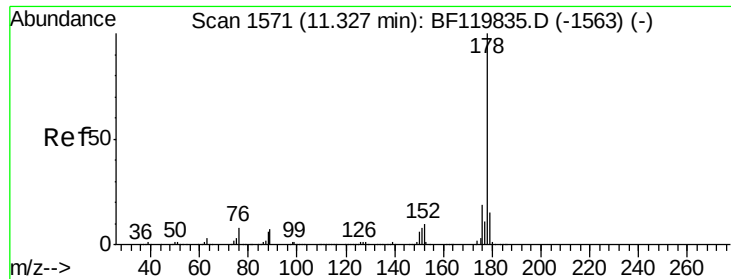
mohammad
 4/16/2020 12:51:37 PM



#70
 Pentachlorophenol
 Concen: 83.535 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	66.7	54.2	81.4
264	64.8	50.6	76.0





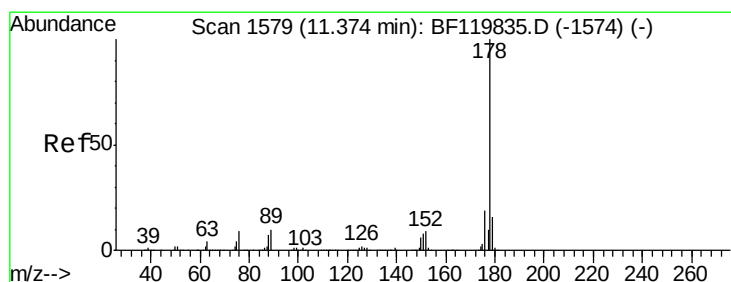
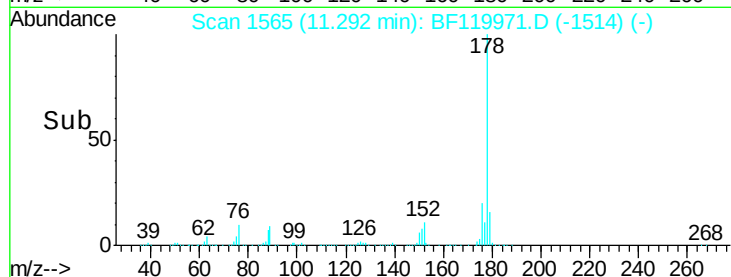
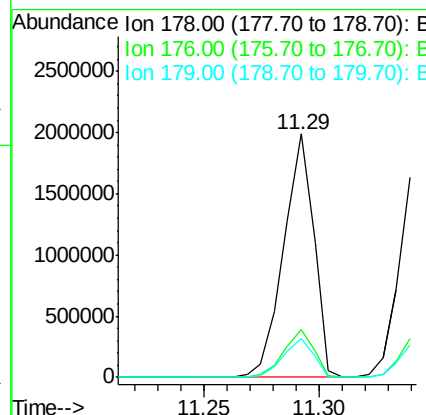
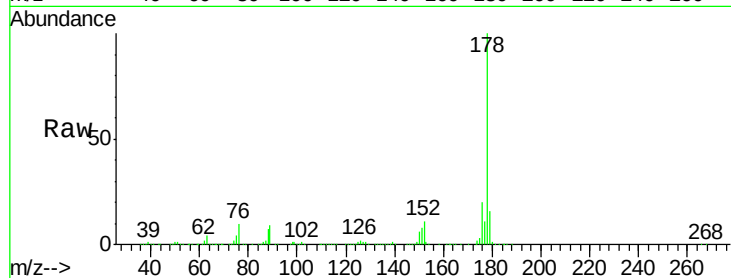
#71
Phenanthrene
Concen: 46.938 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion:178 Resp: 1795516
Ion Ratio Lower Upper
178 100
176 19.8 15.1 22.7
179 15.8 12.2 18.4

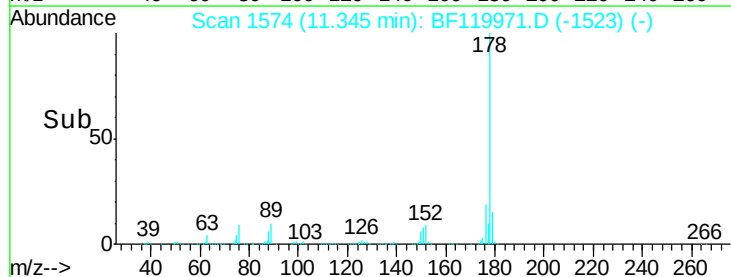
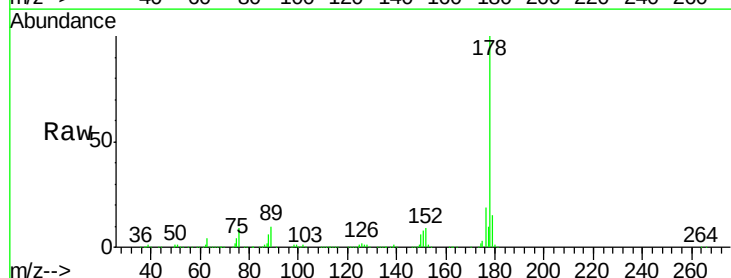
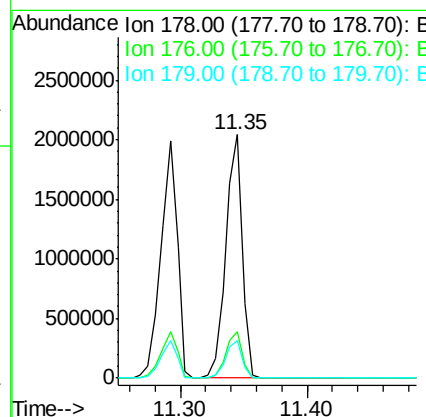
Manual Integrations
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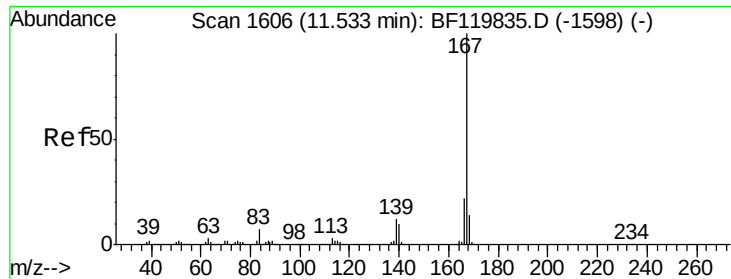
mohammad
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#72
Anthracene
Concen: 47.549 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion:178 Resp: 1858084
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.8 19.2





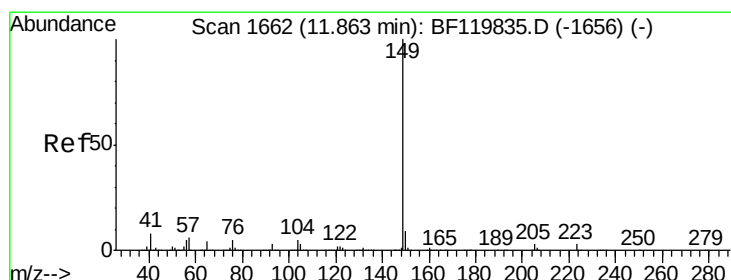
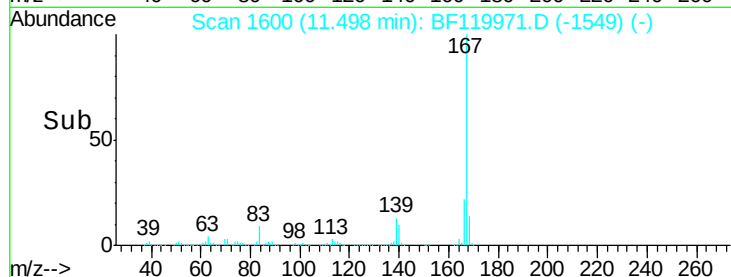
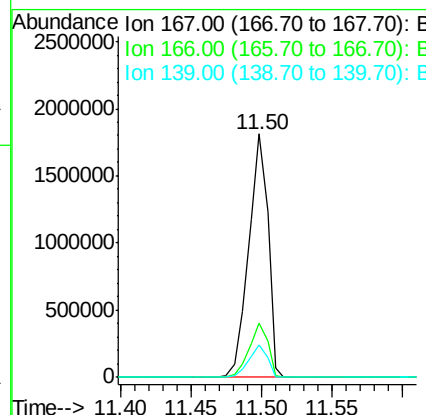
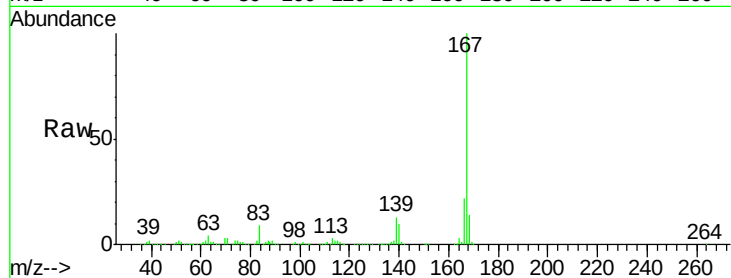
#73
 Carbazole
 Concen: 46.930 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.0
139	13.1	9.8	14.8

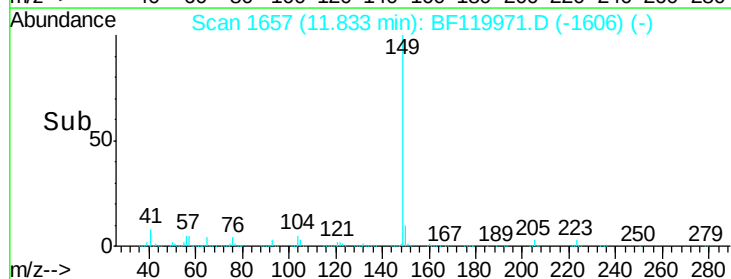
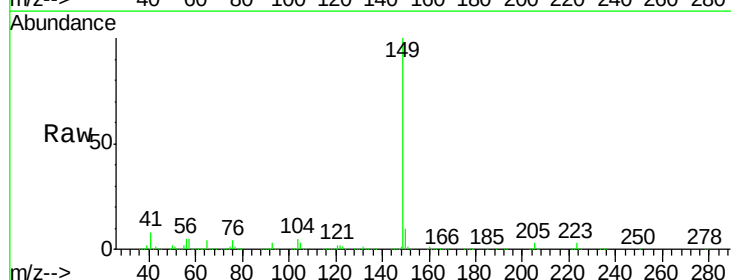
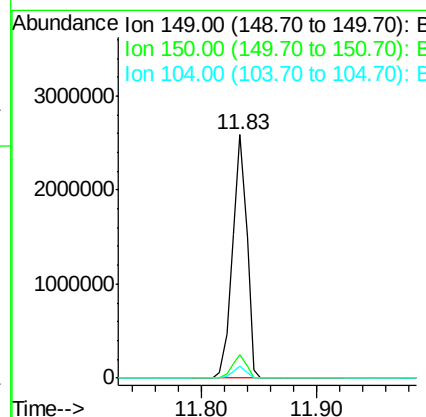
Manual Integrations
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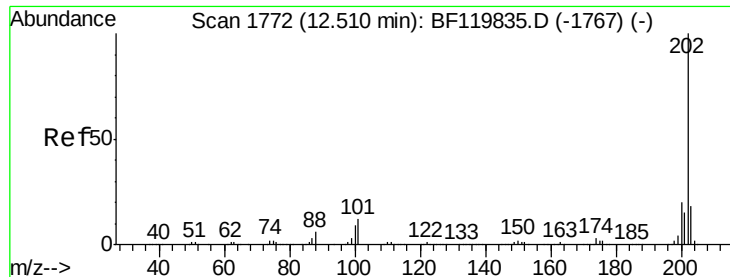
mohammad
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#74
 Di-n-butylphthalate
 Concen: 45.467 ng
 RT: 11.83 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BF119971.D
 Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	4.7	3.8	5.6





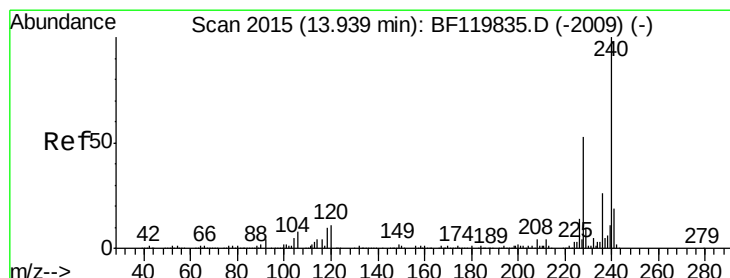
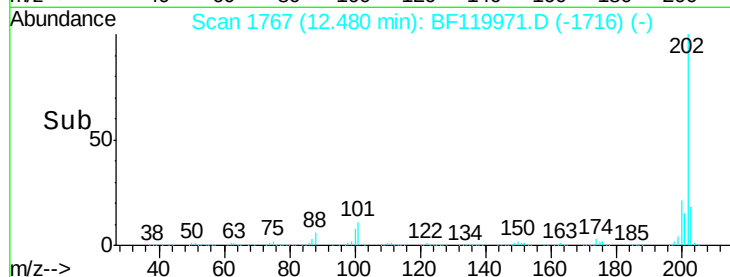
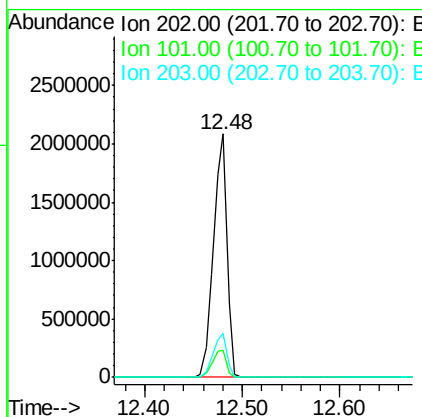
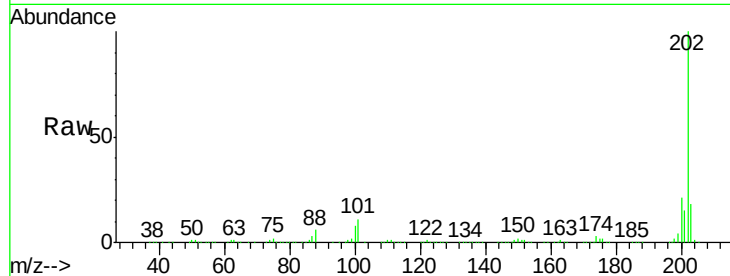
#75
Fluoranthene
Concen: 48.298 ng
RT: 12.48 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.3
203	18.1	0.0	37.6

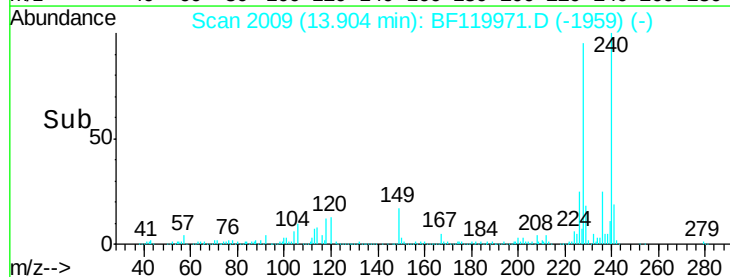
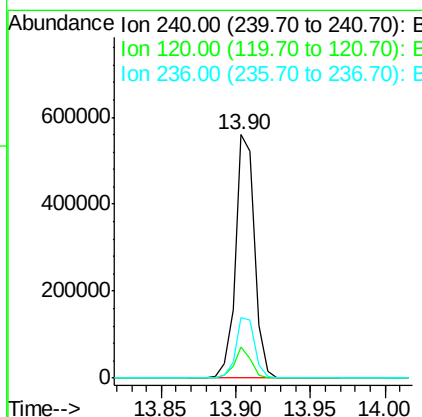
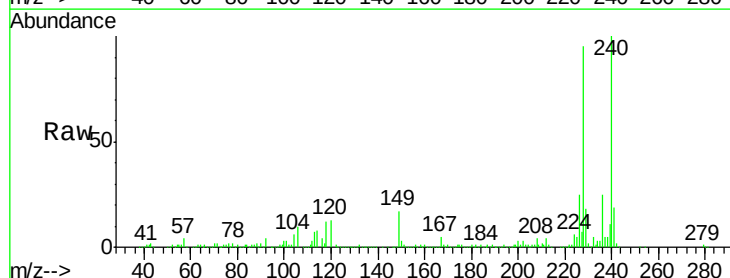
Manual Integrations
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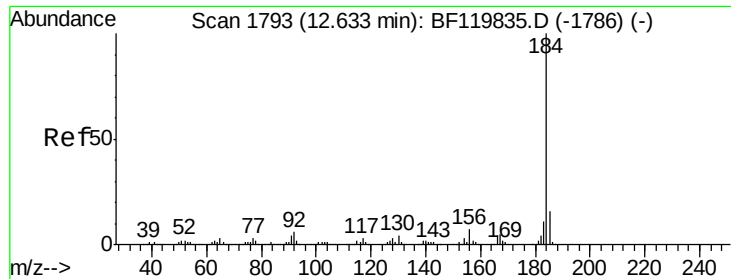
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.0	13.6
236	25.1	20.7	31.1





#77

Benzidine

Concen: 7.660 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:184 Resp: 129688

Ion Ratio Lower Upper

184 100

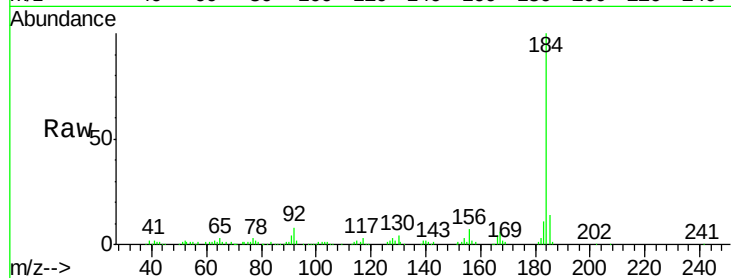
185 14.1 13.2 19.8

183 10.8 9.1 13.7

Manual Integrations
APPROVED

mohammad

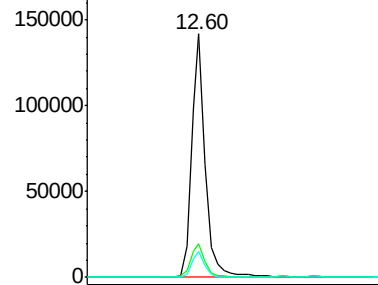
4/16/2020 12:51:37 PM



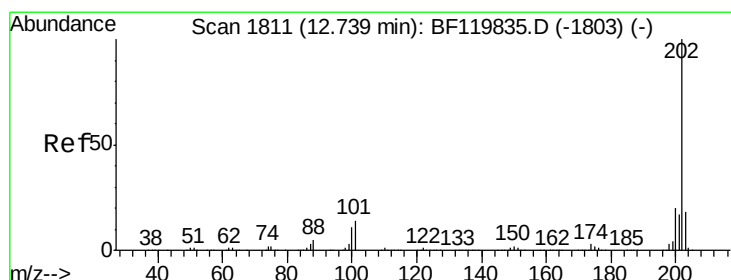
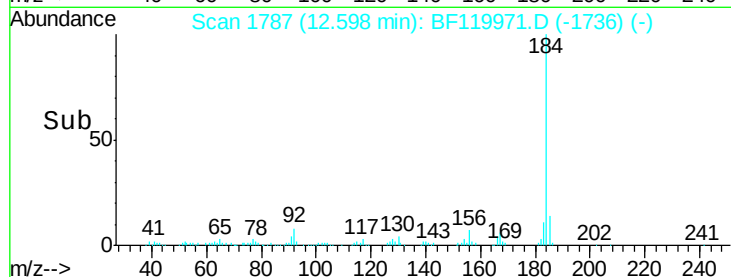
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 47.064 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

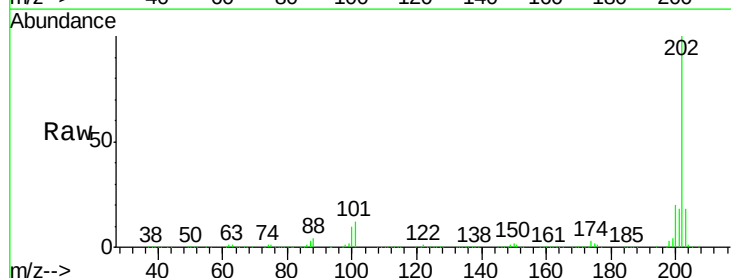
Tgt Ion:202 Resp: 1987140

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

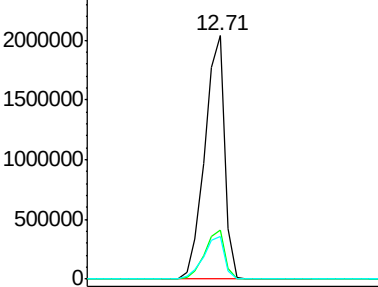
203 17.6 14.1 21.1



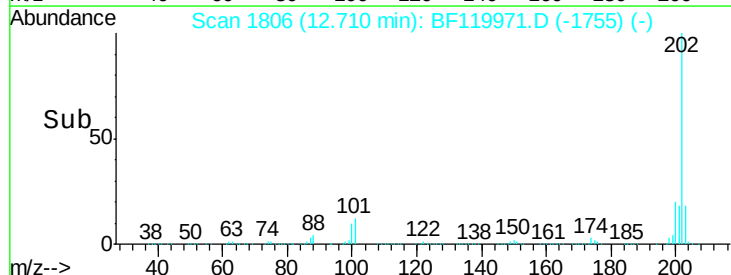
Abundance Ion 202.00 (201.70 to 202.70): E

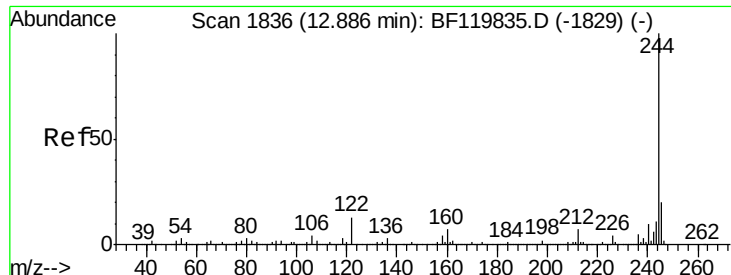
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 90.412 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:244 Resp: 2691132

Ion Ratio Lower Upper

244 100

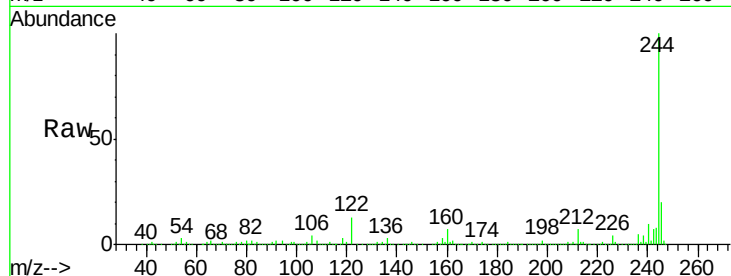
212 7.1 5.4 8.0

122 13.3 10.3 15.5

Manual Integrations
APPROVED

mohammad

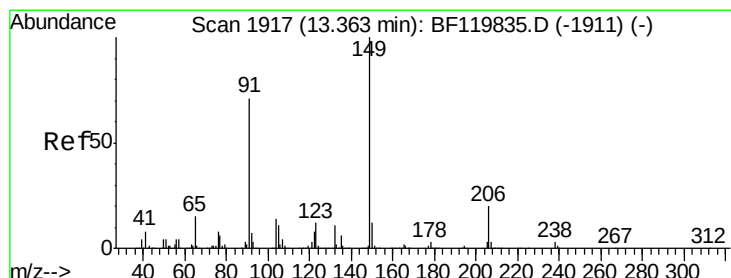
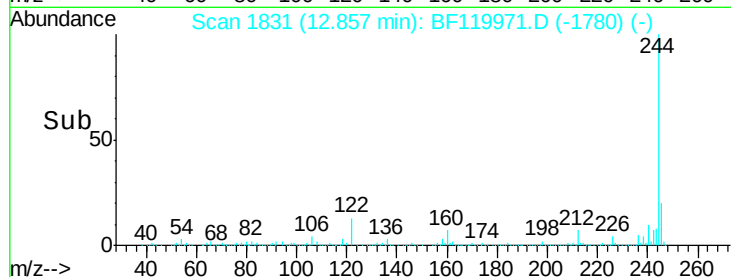
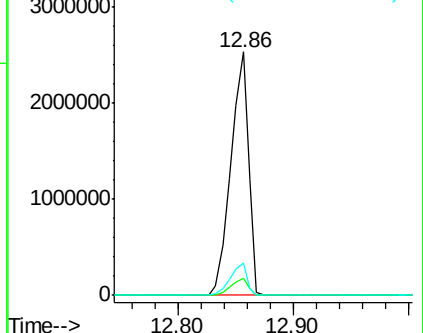
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.432 ng

RT: 13.33 min Scan# 1912

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

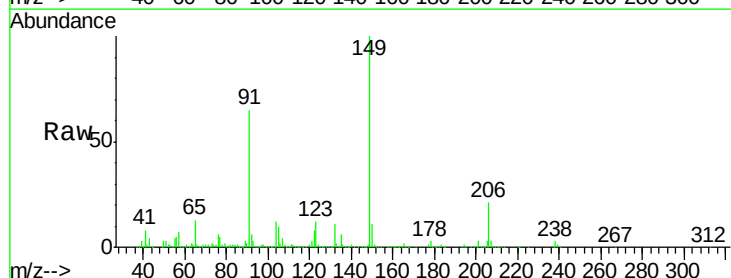
Tgt Ion:149 Resp: 930796

Ion Ratio Lower Upper

149 100

91 64.9 56.7 85.1

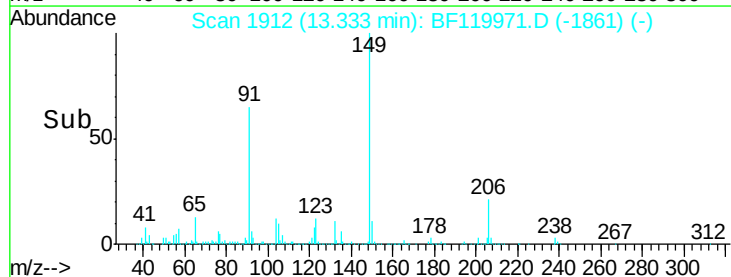
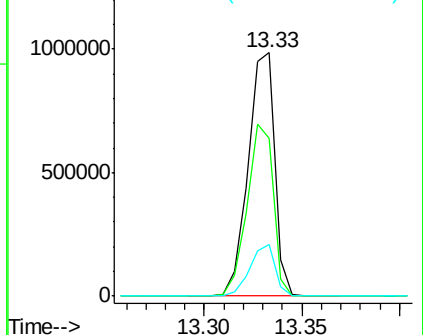
206 21.3 15.7 23.5

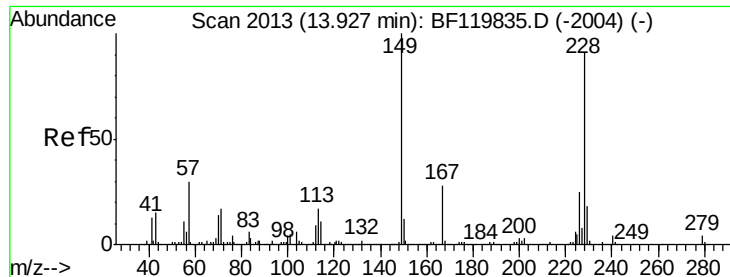


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.046 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:228 Resp: 1550094

Ion Ratio Lower Upper

228 100

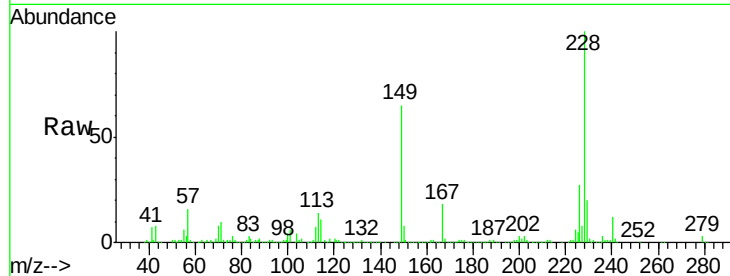
226 27.4 21.9 32.9

229 19.8 15.9 23.9

Manual Integrations
APPROVED

mohammad

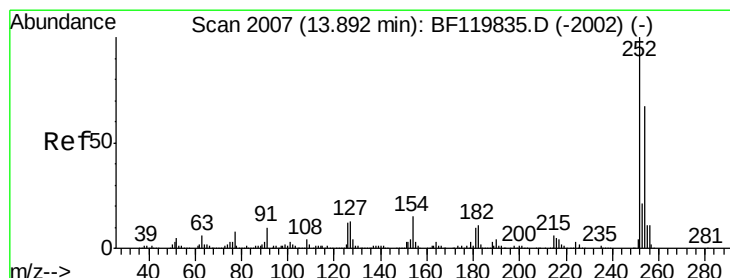
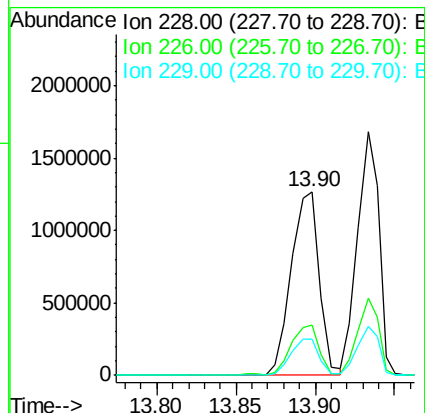
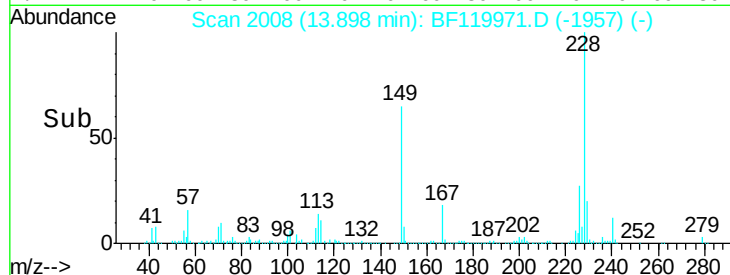
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 39.744 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

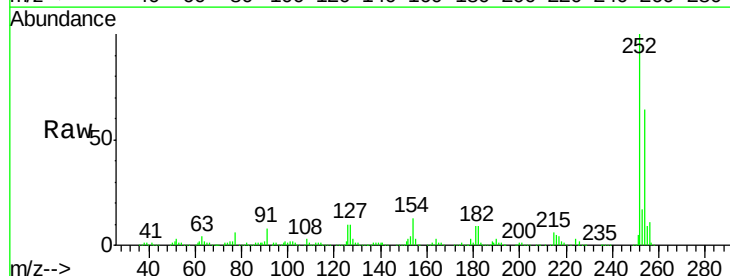
Tgt Ion:252 Resp: 488615

Ion Ratio Lower Upper

252 100

254 64.5 53.9 80.9

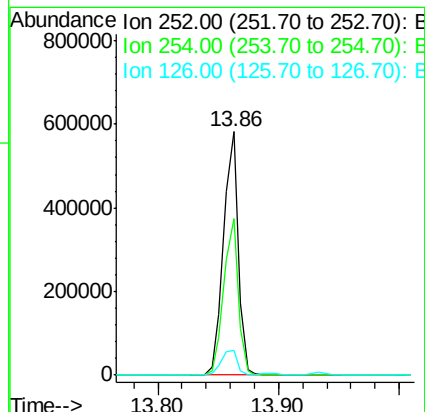
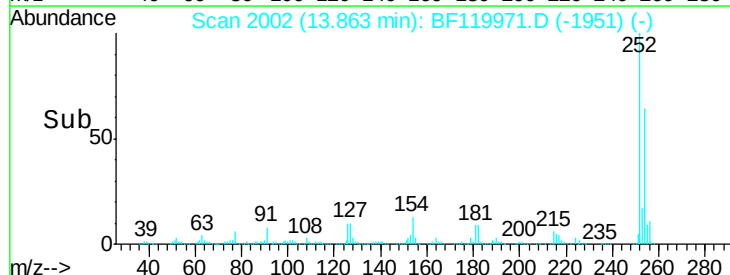
126 10.4 9.7 14.5

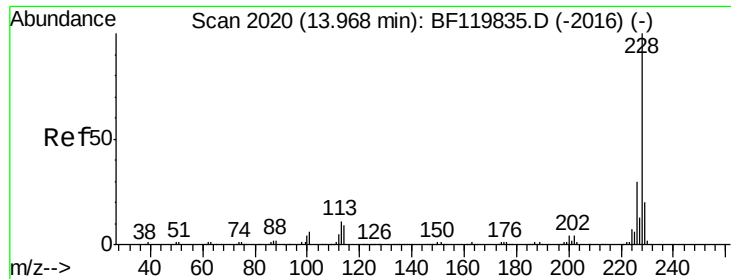


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





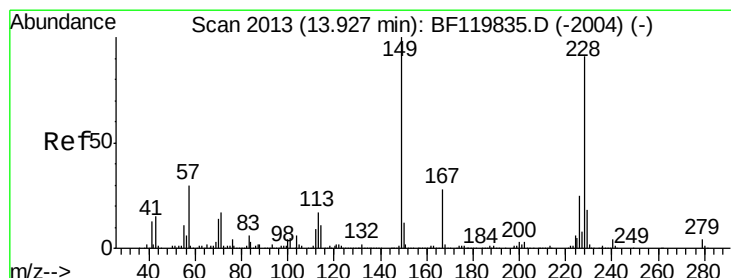
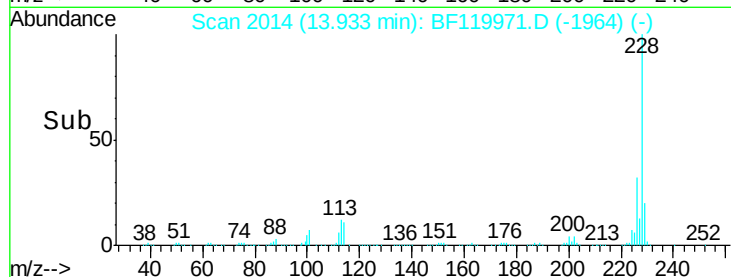
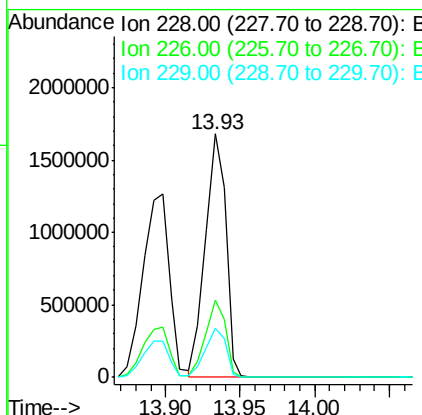
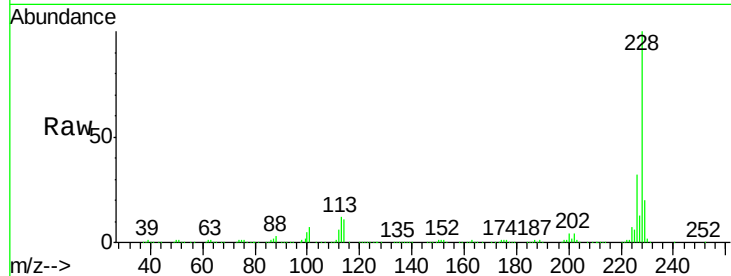
#83
Chrysene
Concen: 47.590 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion:228 Resp: 1593248
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.2
229 20.3 15.9 23.9

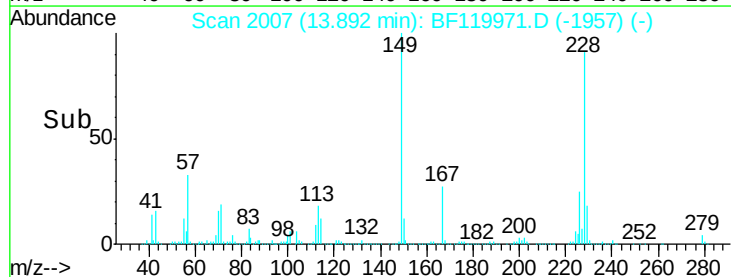
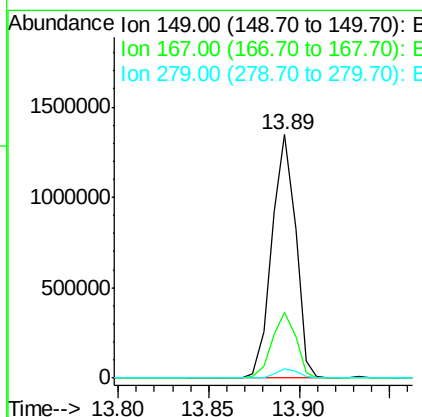
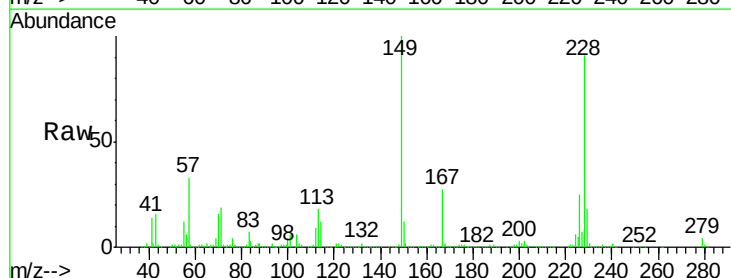
Manual Integrations
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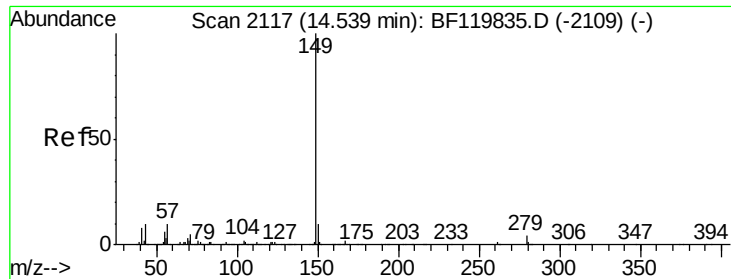
mohammad
4/16/2020 12:51:37 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.339 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion:149 Resp: 1230145
Ion Ratio Lower Upper
149 100
167 26.9 22.2 33.2
279 3.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 47.090 ng

RT: 14.50 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:149 Resp: 2224502

Ion Ratio Lower Upper

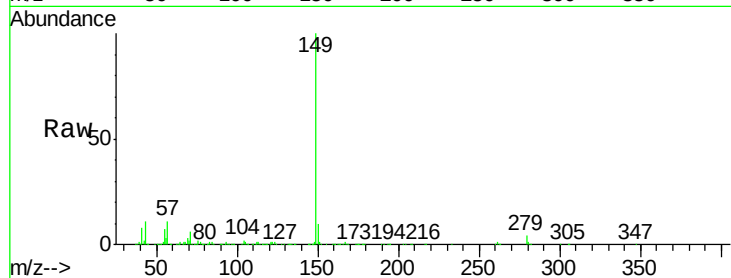
149 100

167 1.5 1.2 1.8

43 10.5 9.2 13.8

Manual Integrations
APPROVED

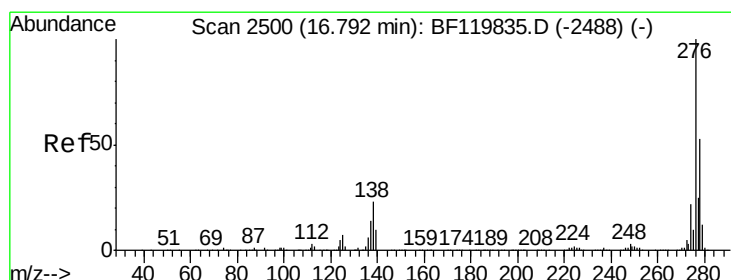
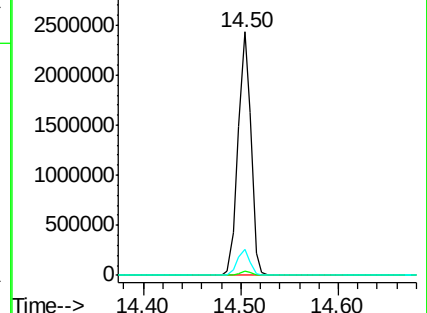
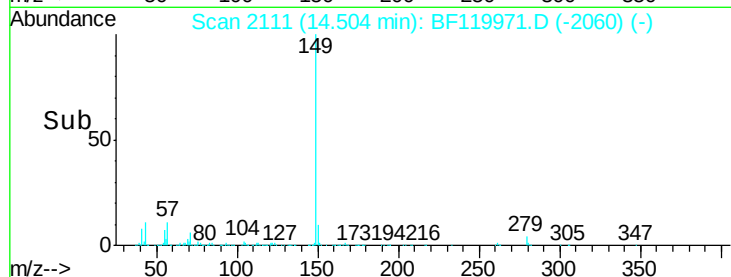
mohammad
4/16/2020 12:51:37 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.264 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

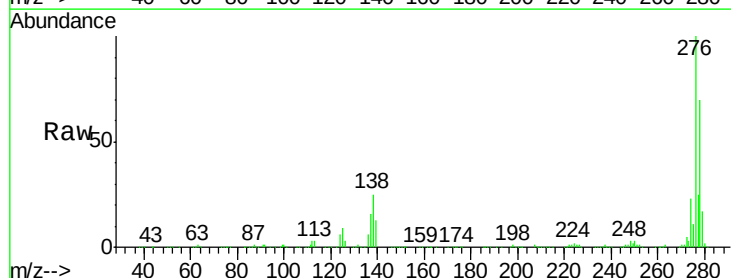
Tgt Ion:276 Resp: 1306291

Ion Ratio Lower Upper

276 100

138 25.4 18.0 27.0

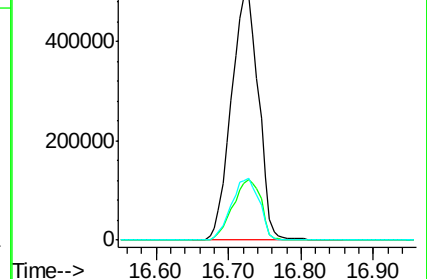
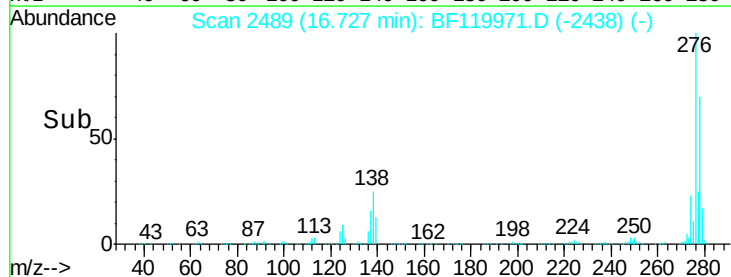
277 25.7 20.1 30.1

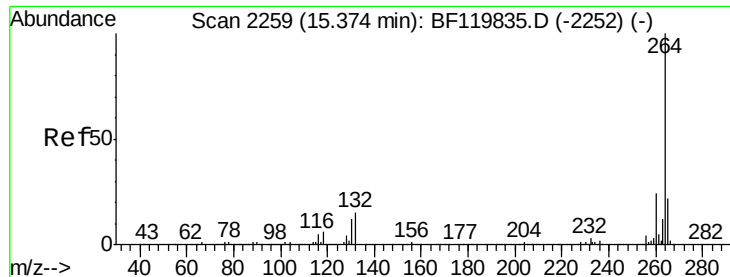


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





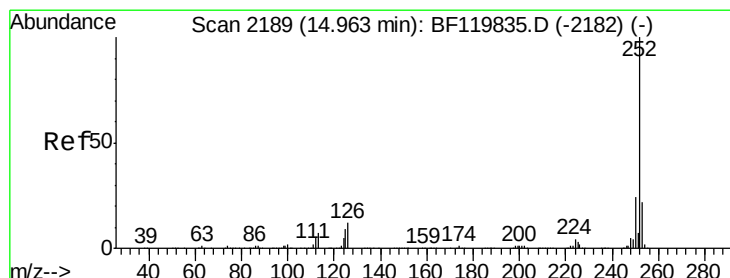
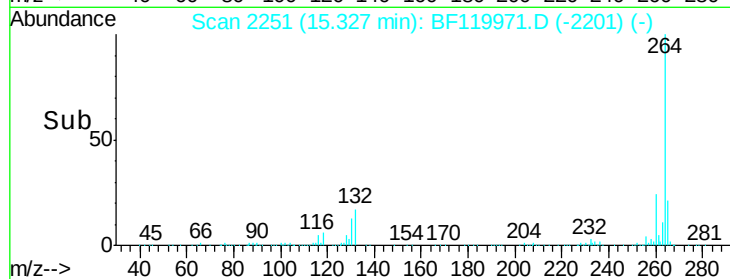
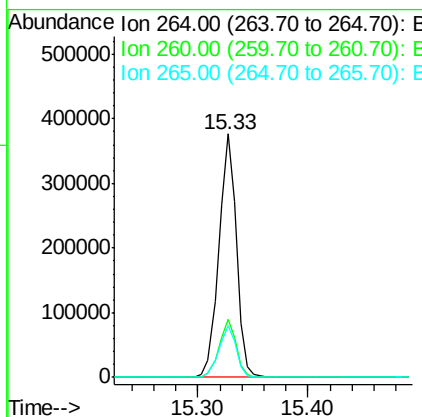
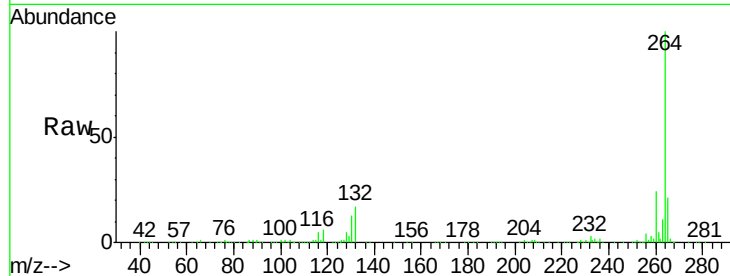
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.0	17.6	26.4

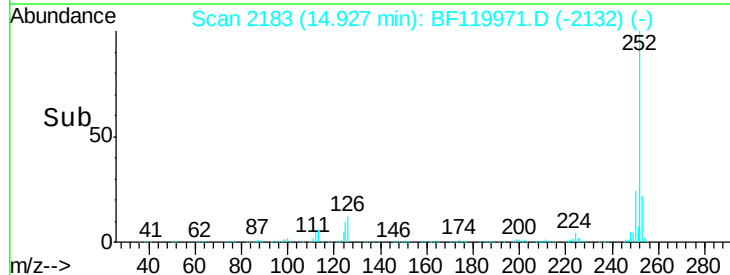
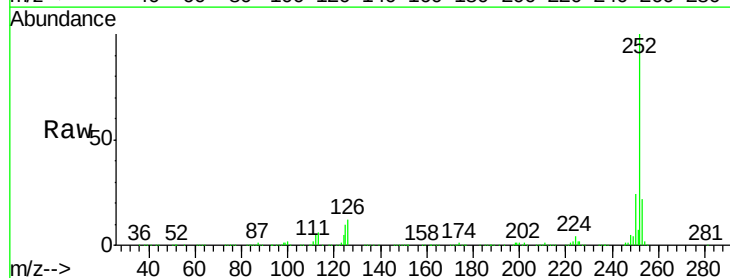
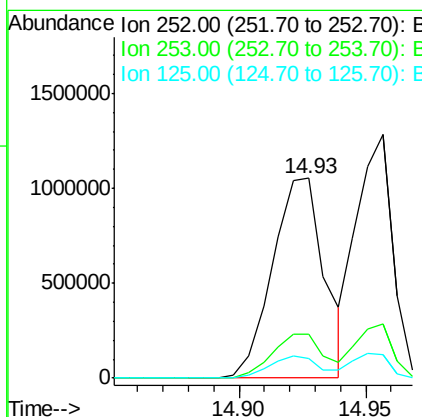
Manual Integrations
APPROVED

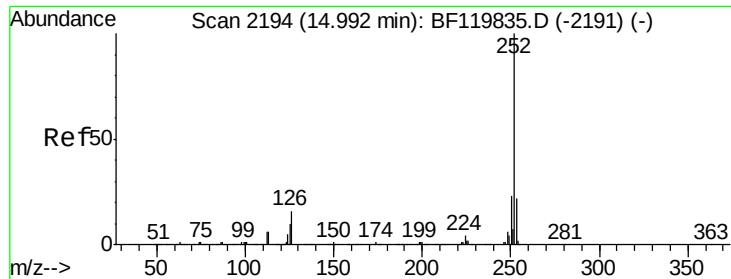
mohammad
4/16/2020 12:51:37 PM



#88
Benzo(b)fluoranthene
Concen: 50.278 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.6	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 49.858 ng

RT: 14.96 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tot Ion:252 Resp: 1289222

Ion Ratio Lower Upper

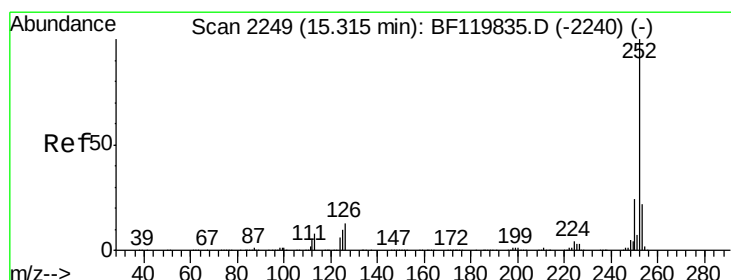
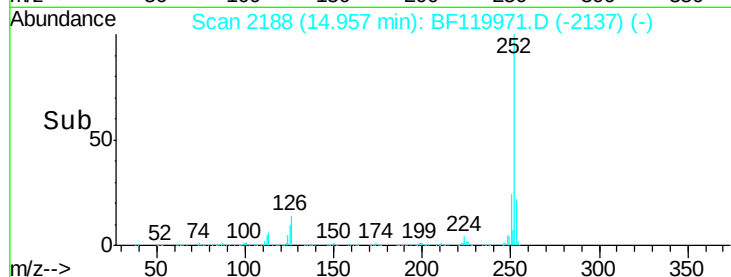
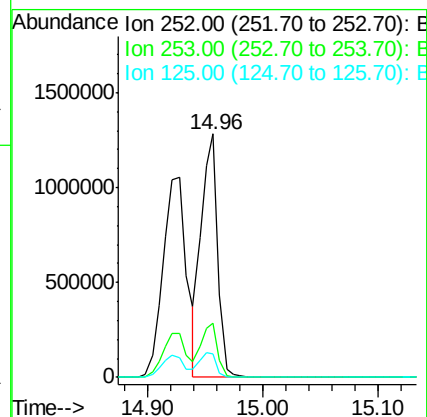
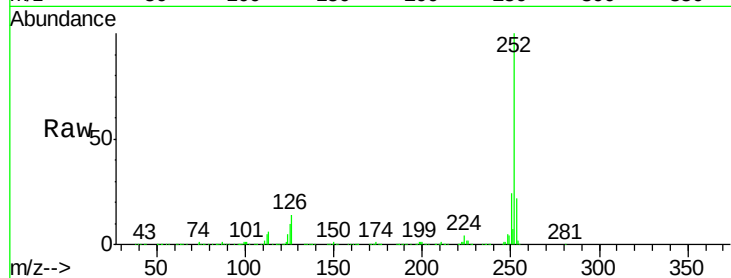
252 100

253 22.5 17.8 26.8

125 9.5 7.7 11.5

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 47.812 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BF119971.D

Acq: 14 Apr 2020 23:57

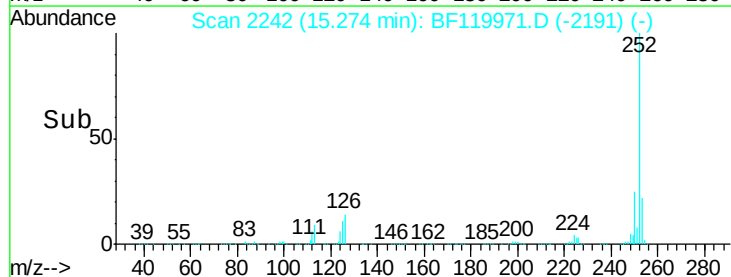
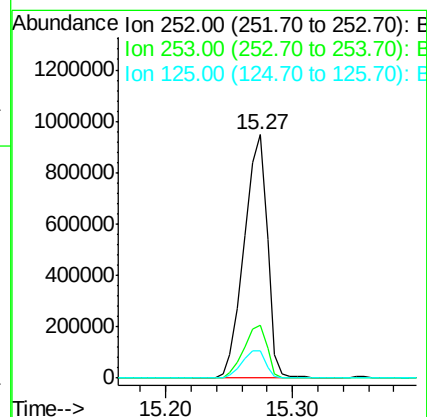
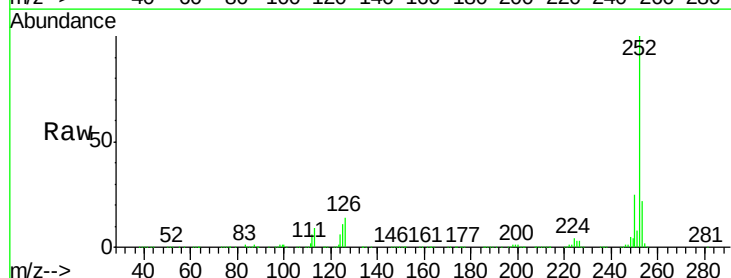
Tgt Ion:252 Resp: 1204756

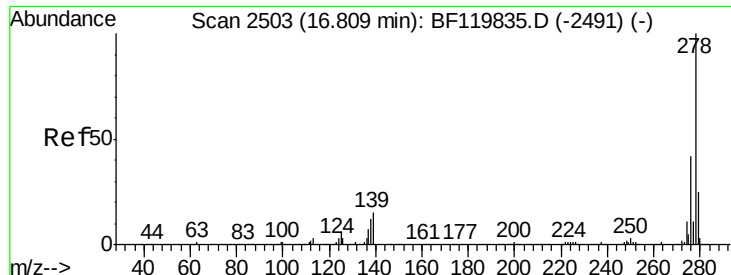
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 11.2 8.3 12.5





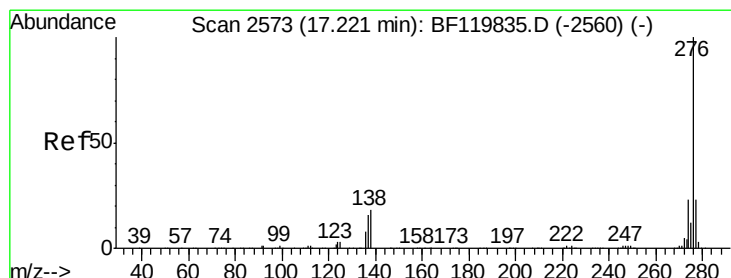
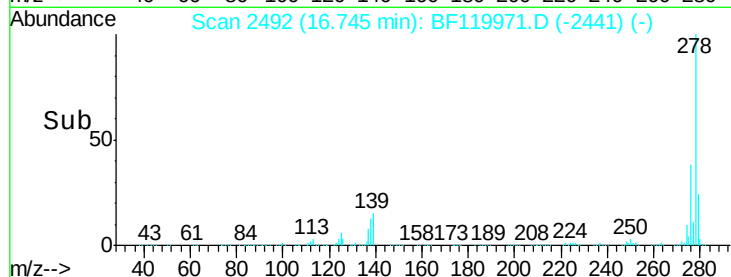
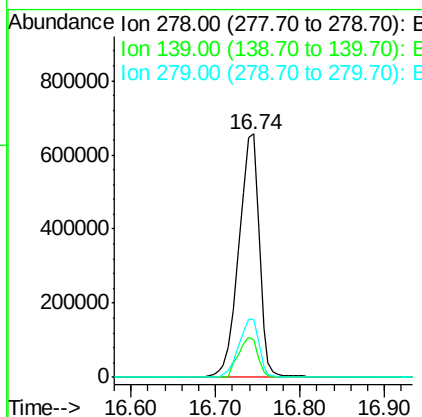
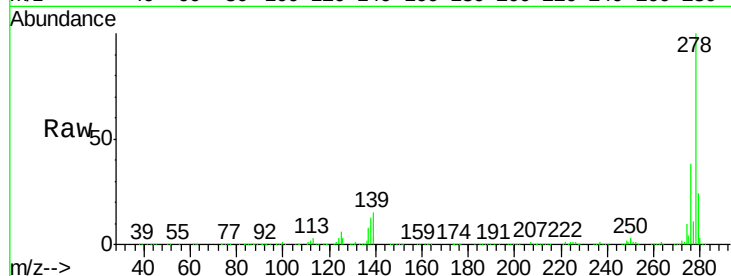
#91
Dibenzo(a,h)anthracene
Concen: 49.069 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.00 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.6	17.4
279	23.9	19.7	29.5

Manual Integrations
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mohammad
4/16/2020 12:51:37 PM



#92
Benzo(g,h,i)perylene
Concen: 48.992 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.01 min
Lab File: BF119971.D
Acq: 14 Apr 2020 23:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.5	27.7
138	21.7	14.6	22.0

