

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
 Data File : BF120366.D
 Acq On : 19 May 2020 16:15
 Operator : MA/SJ
 Sample : L2686-02MSD 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Manual Integrations
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mohammad
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Quant Time: May 19 16:51:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 13:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	235697	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1050222	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	346007	20.00	ng	0.00
64) Phenanthrene-d10	11.14	188	447588	20.00	ng	0.01
76) Chrysene-d12	13.77	240	406751	20.00	ng	0.00
87) Perylene-d12	15.16	264	458338	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	775603	64.03	ng	0.00
7) Phenol-d6	6.26	99	986996	64.43	ng	0.00
23) Nitrobenzene-d5	7.16	82	588817	38.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	168155	59.60	ng	0.01
45) 2-Fluorobiphenyl	8.96	172	1077341	63.97	ng	0.00
79) Terphenyl-d14	12.73	244	661864	35.95	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.15	88	70647	14.66	ng	100
3) Pyridine	2.83	79	166736	11.01	ng	97
4) n-Nitrosodimethylamine	2.76	42	103473	17.45	ng	# 92
6) Aniline	6.29	93	228773	11.68	ng	91
8) 2-Chlorophenol	6.39	128	273468	19.36	ng	98
9) Benzaldehyde	6.14	77	152864	16.19	ng	95
10) Phenol	6.27	94	343708	19.22	ng	# 76
11) bis(2-Chloroethyl)ether	6.33	93	257552	18.03	ng	99
12) 1,3-Dichlorobenzene	6.53	146	268560	17.77	ng	97
13) 1,4-Dichlorobenzene	6.61	146	274882	17.66	ng	99
14) 1,2-Dichlorobenzene	6.76	146	257861	18.40	ng	100
15) Benzyl Alcohol	6.75	79	212659	19.54	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.88	45	439133	19.51	ng	84
17) 2-Methylphenol	6.87	107	206432	17.31	ng	94
18) Hexachloroethane	7.10	117	96798	16.32	ng	95
19) n-Nitroso-di-n-propylamine	7.02	70	183220	18.26	ng	91
20) 3+4-Methylphenols	7.03	107	273066	17.61	ng	97
22) Acetophenone	7.01	105	370212	17.21	ng	97
24) Nitrobenzene	7.18	77	270363	16.38	ng	93
25) Isophorone	7.42	82	578638	18.13	ng	98
26) 2-Nitrophenol	7.50	139	159355	18.46	ng	98
27) 2,4-Dimethylphenol	7.55	122	257851	20.53	ng	98
28) bis(2-Chloroethoxy)methane	7.64	93	371853	18.54	ng	98
29) 2,4-Dichlorophenol	7.76	162	239905	18.60	ng	98
30) 1,2,4-Trichlorobenzene	7.83	180	262059	18.33	ng	98
31) Naphthalene	7.90	128	872739	19.69	ng	98
32) Benzoic acid	7.67	122	112526	13.67	ng	98
33) 4-Chloroaniline	7.97	127	222556	11.02	ng	99
34) Hexachlorobutadiene	8.02	225	145147	17.57	ng	95
35) Caprolactam	8.32	113	76616	18.16	ng	96
36) 4-Chloro-3-methylphenol	8.46	107	245775	17.61	ng	96
37) 2-Methylnaphthalene	8.60	142	556551	18.35	ng	99
38) 1-Methylnaphthalene	8.69	142	484324	16.46	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.76	216	220094	25.23	ng	98

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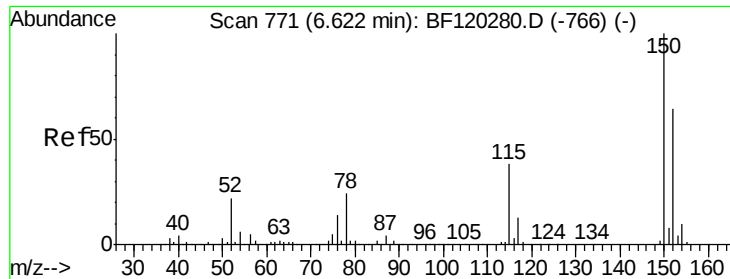
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.75	237	22466	12.35	ng	97
43) 2,4,6-Trichlorophenol	8.89	196	138167	23.59	ng	98
44) 2,4,5-Trichlorophenol	8.93	196	147244	21.89	ng #	93
46) 1,1'-Biphenyl	9.06	154	574939	25.36	ng	98
47) 2-Chloronaphthalene	9.09	162	418959	23.04	ng	97
48) 2-Nitroaniline	9.19	65	152486	22.98	ng	93
49) Acenaphthylene	9.50	152	736910	26.53	ng	96
50) Dimethylphthalate	9.37	163	649655	29.70	ng	97
51) 2,6-Dinitrotoluene	9.43	165	130765	26.79	ng #	85
52) Acenaphthene	9.67	154	322380	19.36	ng	98
53) 3-Nitroaniline	9.60	138	102287	17.57	ng #	86
54) 2,4-Dinitrophenol	9.72	184	28464	12.35	ng #	63
55) Dibenzofuran	9.85	168	458538	19.12	ng	96
56) 4-Nitrophenol	9.80	139	97660	31.22	ng #	1
57) 2,4-Dinitrotoluene	9.85	165	91587	15.99	ng #	80
58) Fluorene	10.20	166	360235	19.73	ng	92
59) 2,3,4,6-Tetrachlorophenol	9.98	232	72871	14.40	ng #	91
60) Diethylphthalate	10.07	149	411621	19.49	ng #	89
61) 4-Chlorophenyl-phenylether	10.19	204	185053	19.49	ng	94
62) 4-Nitroaniline	10.22	138	66999	12.36	ng #	66
63) Azobenzene	10.36	77	394326	19.76	ng	90
65) 4,6-Dinitro-2-methylphenol	10.26	198	24580	10.86	ng #	1
66) n-Nitrosodiphenylamine	10.31	169	316898	25.59	ng	98
67) 4-Bromophenyl-phenylether	10.69	248	119098	27.42	ng #	88
68) Hexachlorobenzene	10.76	284	94041	20.70	ng #	81
69) Atrazine	10.85	200	87512	23.62	ng #	69
70) Pentachlorophenol	10.96	266	68117	35.25	ng	98
71) Phenanthrene	11.17	178	528932	28.12	ng #	91
72) Anthracene	11.22	178	467353	23.21	ng #	94
73) Carbazole	11.37	167	371126	19.73	ng #	89
74) Di-n-butylphthalate	11.71	149	480601	21.20	ng #	95
75) Fluoranthene	12.36	202	991458	49.18	ng	100
77) Benzidine	12.48	184	24337	2.05	ng #	1
78) Pyrene	12.59	202	972932	33.55	ng	98
80) Butylbenzylphthalate	13.20	149	219620	16.08	ng	100
81) Benzo(a)anthracene	13.76	228	902180	42.05	ng	95
82) 3,3'-Dichlorobenzidine	13.73	252	94400	11.68	ng	97
83) Chrysene	13.80	228	848019	36.81	ng	98
84) Bis(2-ethylhexyl)phthalate	13.76	149	387683	22.82	ng	99
85) Di-n-octyl phthalate	14.37	149	554808	18.15	ng	99
86) Indeno(1,2,3-cd)pyrene	16.48	276	756366	36.18	ng	95
88) Benzo(b)fluoranthene	14.77	252	1075854	42.98	ng	99
89) Benzo(k)fluoranthene	14.80	252	661484m	30.50	ng	
90) Benzo(a)pyrene	15.10	252	831399	37.04	ng	99
91) Dibenzo(a,h)anthracene	16.49	278	444245	22.34	ng	100
92) Benzo(g,h,i)perylene	16.87	276	649441	32.38	ng	98

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



#1

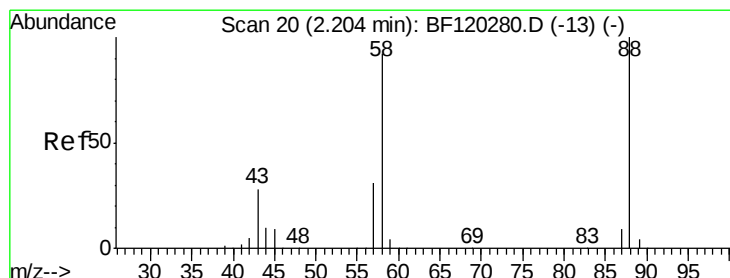
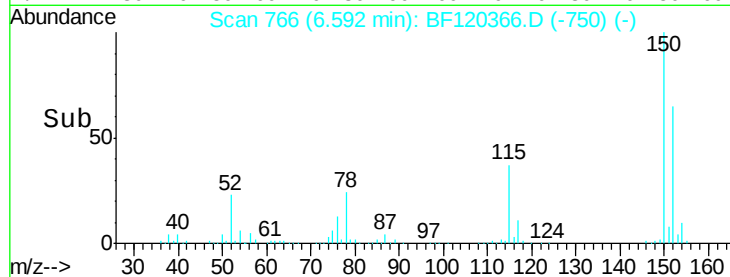
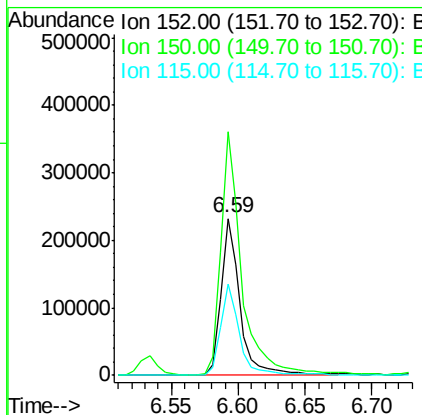
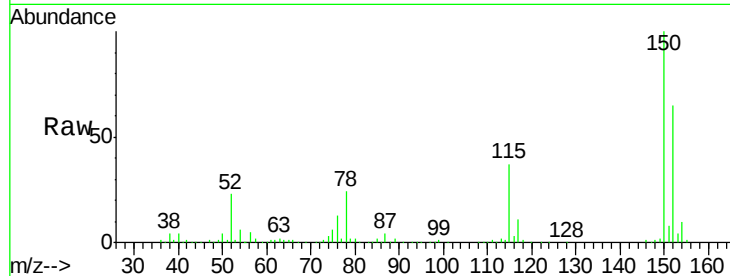
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	235697		
150	155.0	126.2	189.2	
115	58.0	47.9	71.9	

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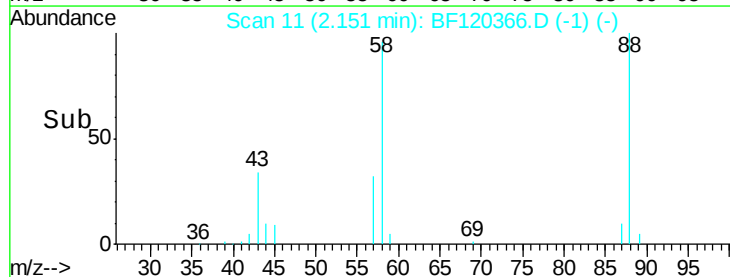
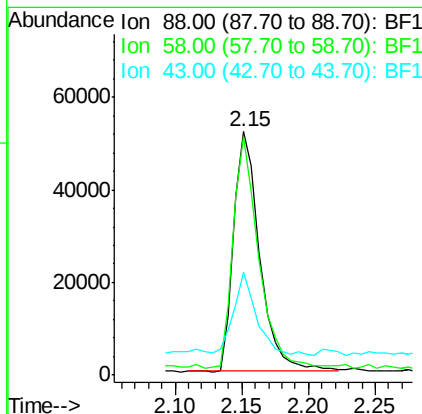
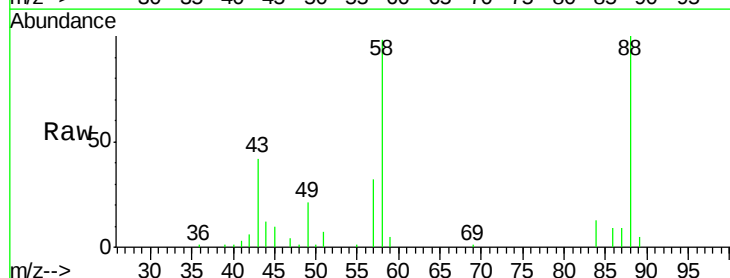
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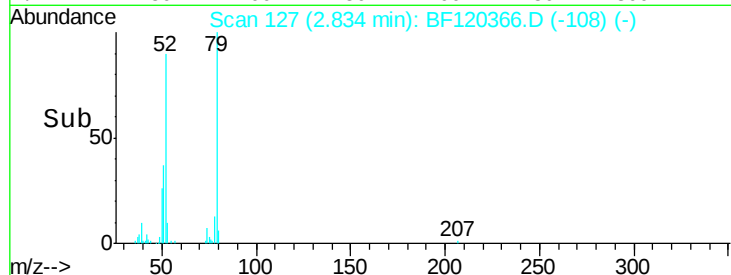
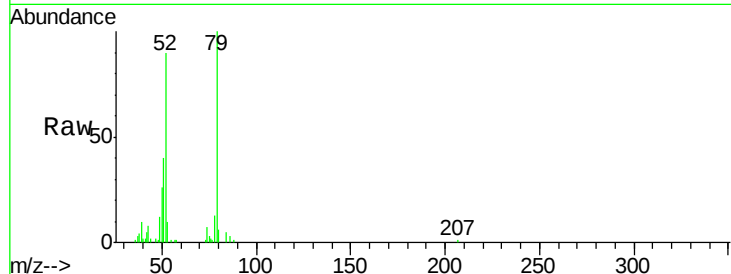
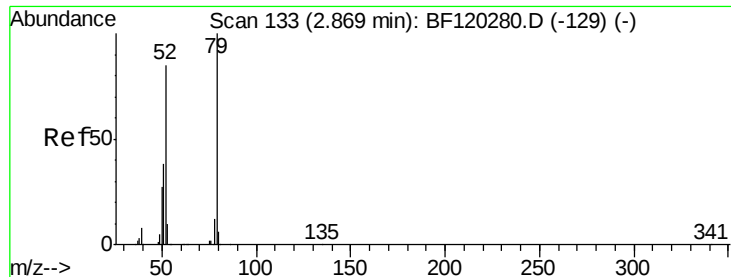


#2

1,4-Dioxane
Concen: 14.66 ng
RT: 2.15 min Scan# 11
Delta R.T. -0.02 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	70647		
58	94.7	75.8	113.6	
43	30.3	23.6	35.4	





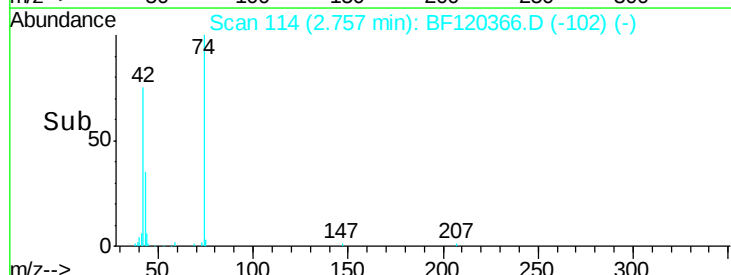
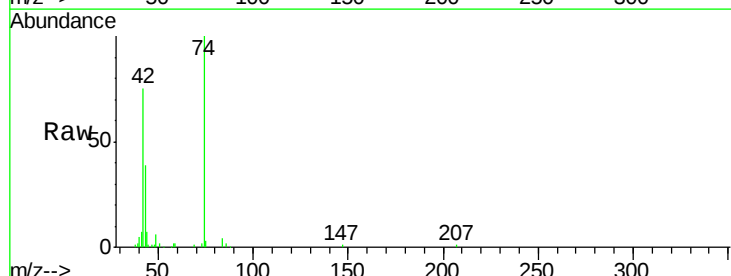
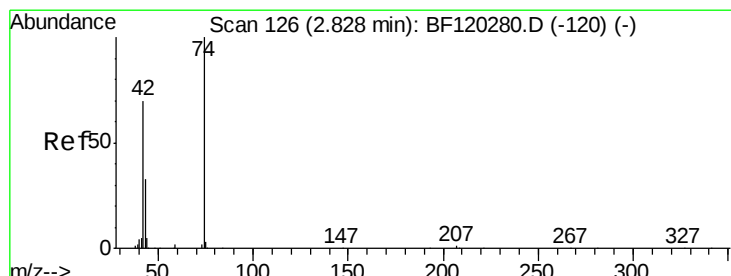
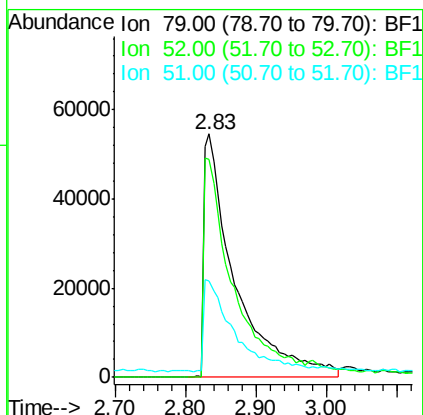
#3
Pyridine
Concen: 11.01 ng
RT: 2.83 min Scan# 127
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion:	79	Resp:	166736
Ion Ratio	Lower	Upper	
79	100		
52	89.5	68.4	102.6
51	39.6	31.0	46.4

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

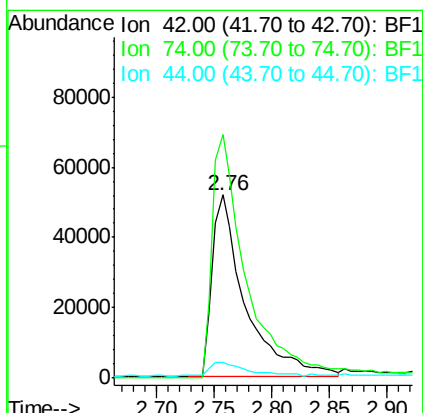
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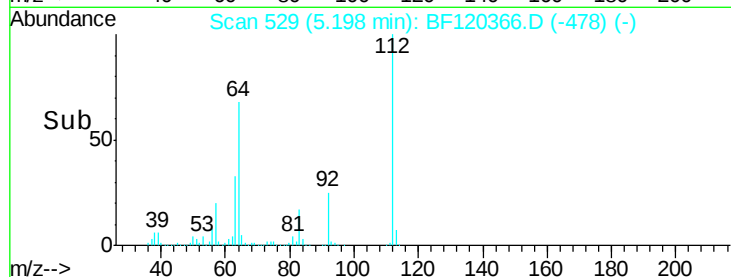
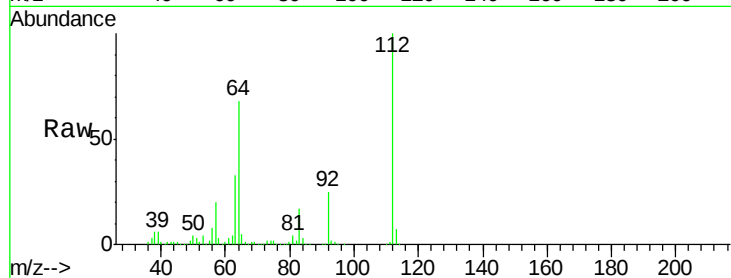
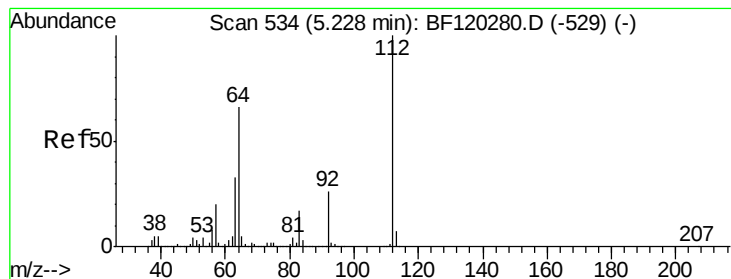
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#4
n-Nitrosodimethylamine
Concen: 17.45 ng
RT: 2.76 min Scan# 114
Delta R.T. -0.03 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion:	42	Resp:	103473
Ion Ratio	Lower	Upper	
42	100		
74	132.8	114.8	172.2
44	8.9	5.6	8.4#





#5

2-Fluorophenol

Concen: 64.03 ng

RT: 5.20 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	112	Resp:	775603
Ion Ratio	Lower	Upper	
112	100		
64	67.5	52.7	79.1
63	33.0	26.2	39.4

Instrument :

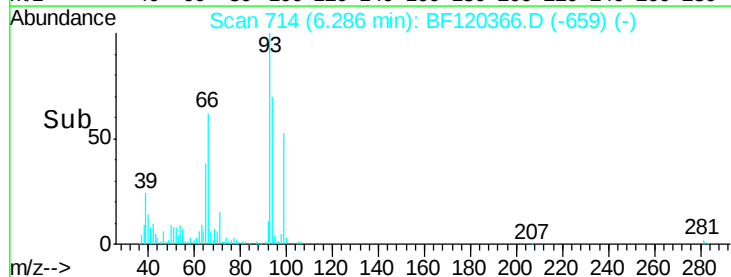
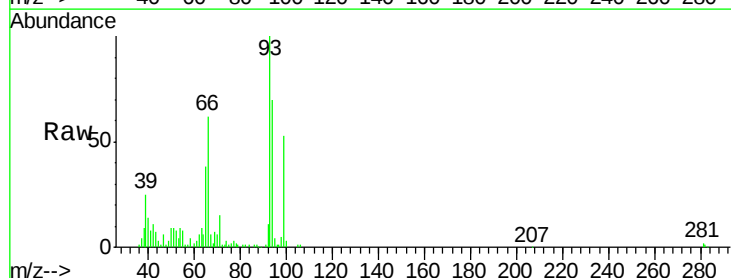
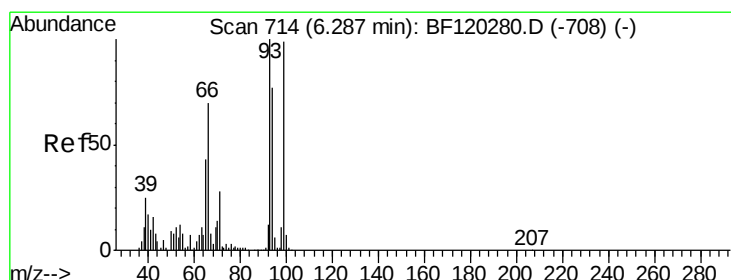
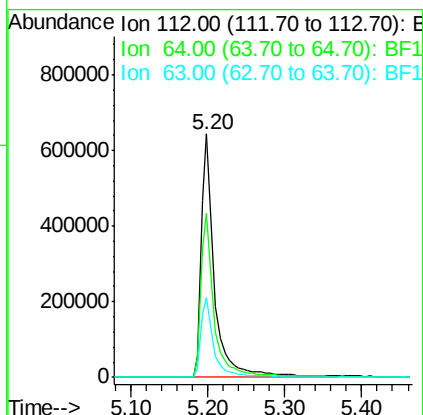
BNA_F

ClientSampleId :

VNJ-214MSD

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#6

Aniline

Concen: 11.68 ng

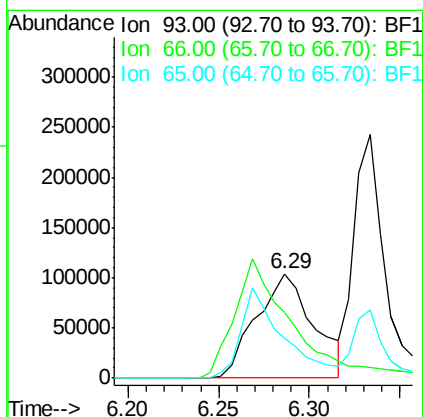
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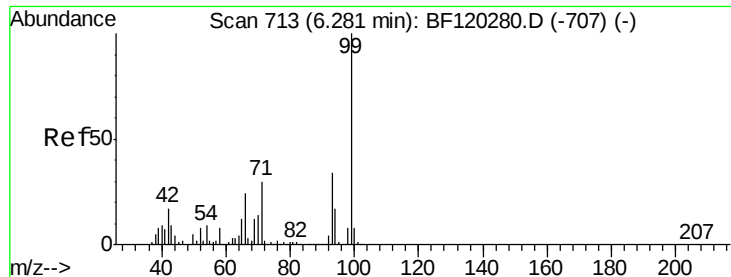
Delta R.T. 0.02 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	93	Resp:	228773
Ion Ratio	Lower	Upper	
93	100		
66	62.3	56.2	84.4
65	38.1	34.2	51.2





#7

Phenol-d6

Concen: 64.43 ng

RT: 6.26 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

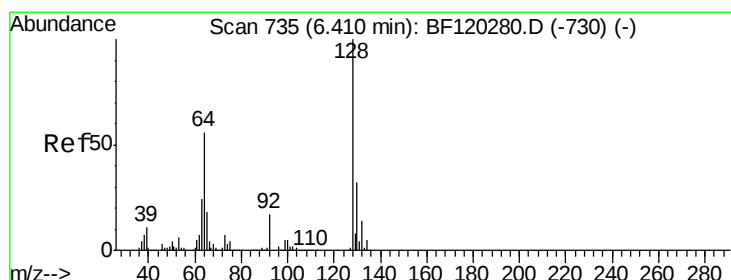
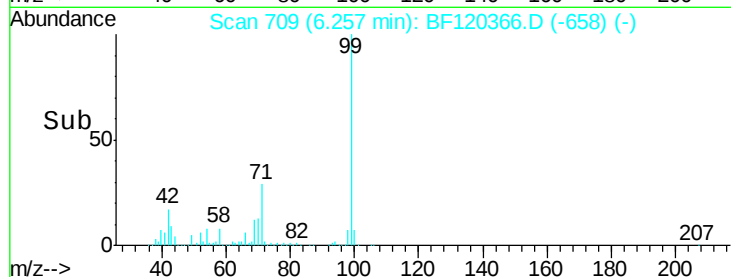
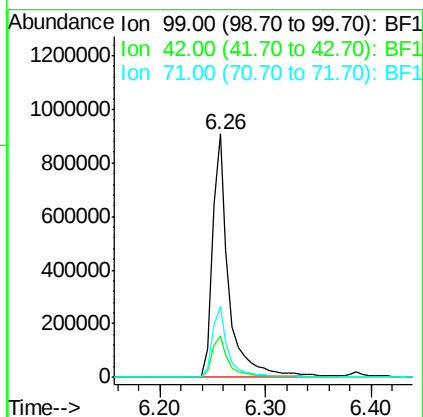
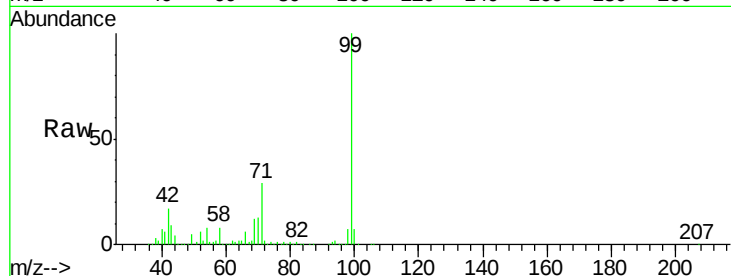
ClientSampleId :

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Tgt Ion:	99	Resp:	986996
Ion Ratio	Lower	Upper	
99	100		
42	16.9	13.6	20.4
71	29.3	24.2	36.4

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#8

2-Chlorophenol

Concen: 19.36 ng

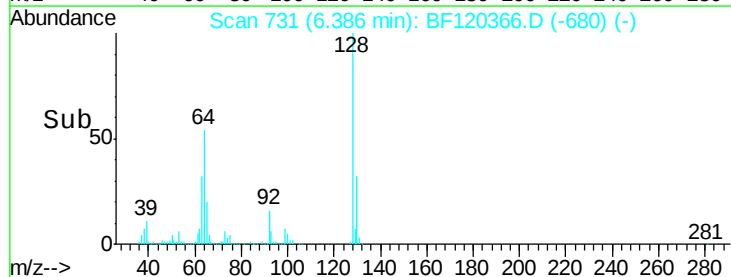
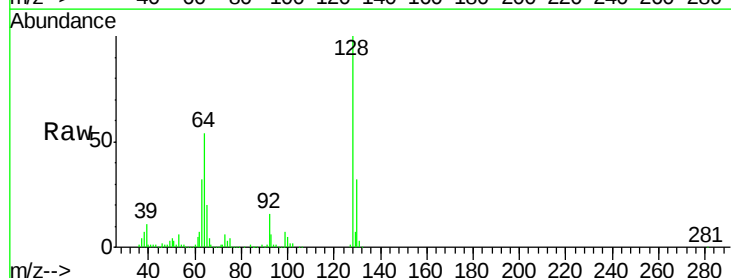
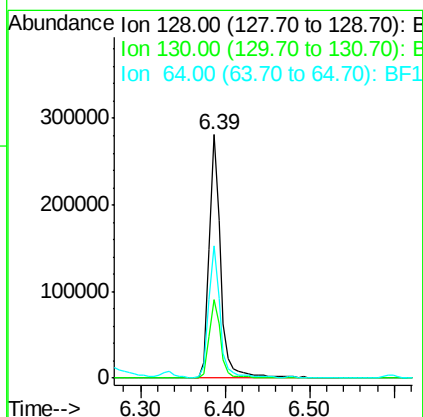
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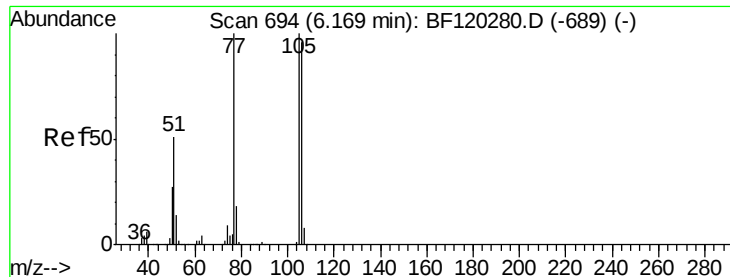
Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	128	Resp:	273468
Ion Ratio	Lower	Upper	
128	100		
130	32.3	12.4	52.4
64	54.3	36.7	76.7





#9

Benzaldehyde

Concen: 16.19 ng

RT: 6.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

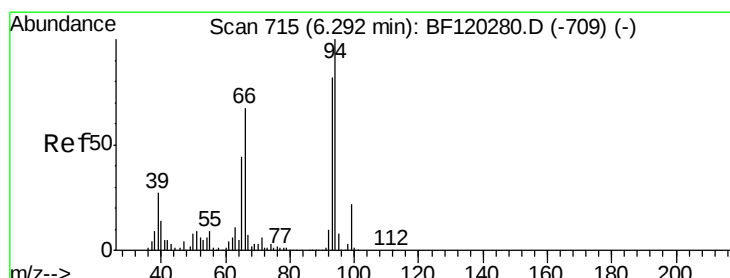
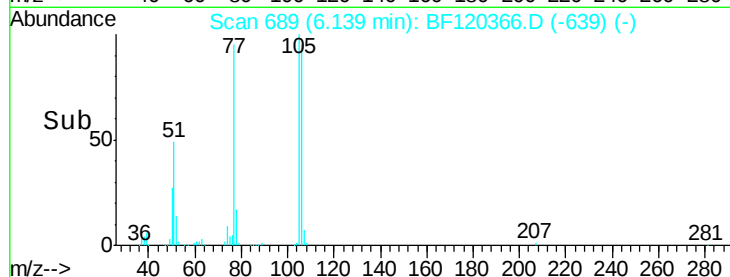
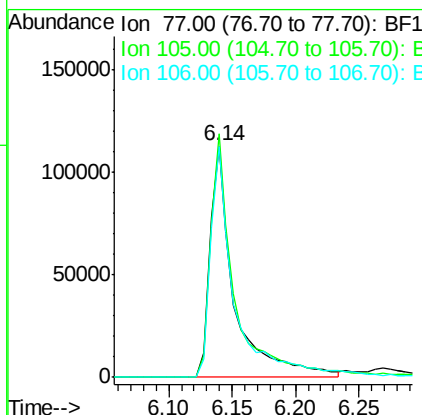
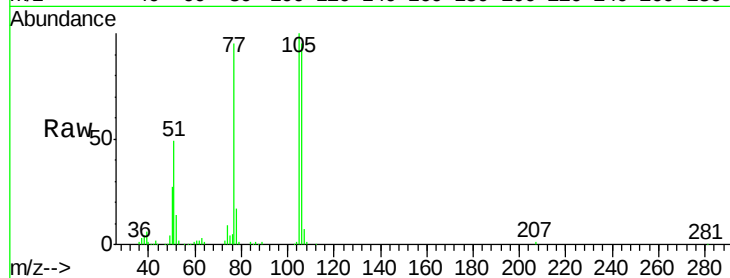
ClientSampleId :

VNJ-214MSD

Tgt Ion:	77	Resp:	152864
Ion Ratio	Lower	Upper	
77	100		
105	105.3	79.9	119.9
106	99.8	75.7	115.7

Manual Integrations
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#10

Phenol

Concen: 19.22 ng

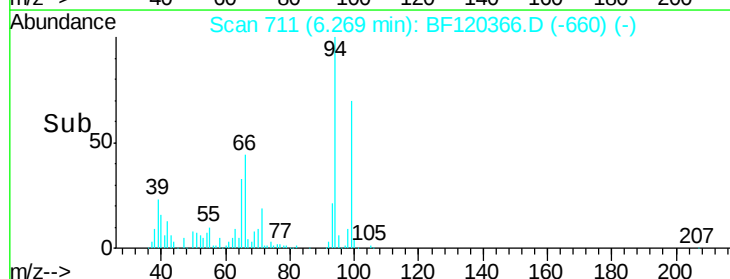
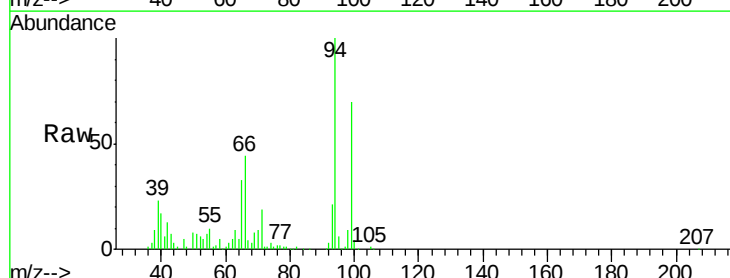
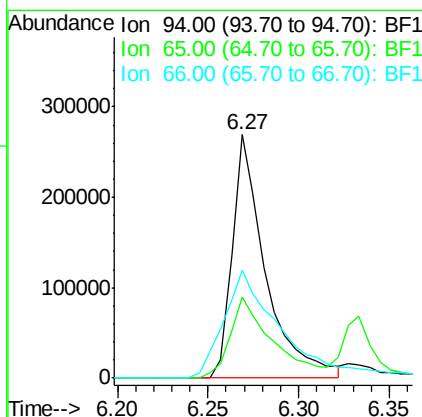
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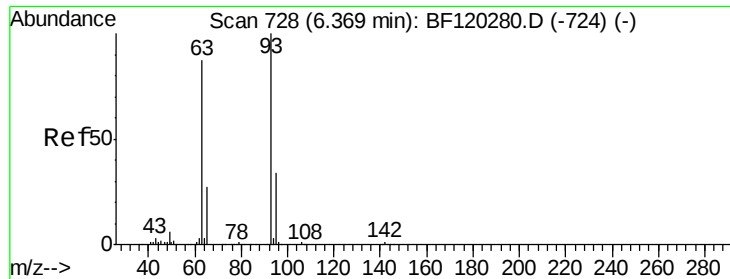
Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	94	Resp:	343708
Ion Ratio	Lower	Upper	
94	100		
65	33.2	24.1	64.1
66	44.1	47.5	87.5#





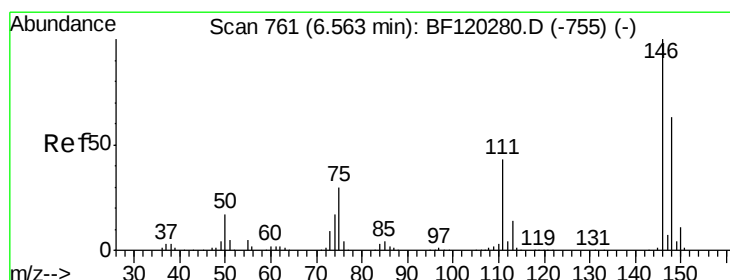
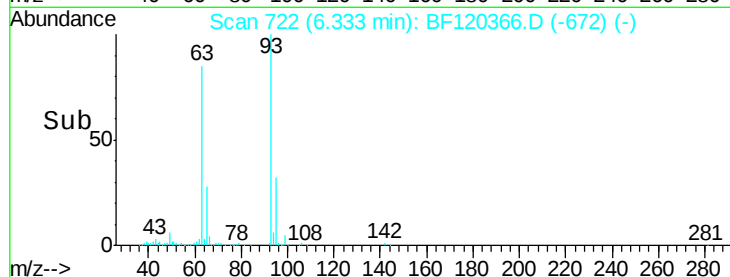
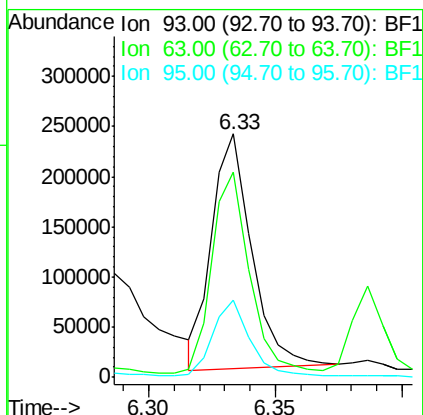
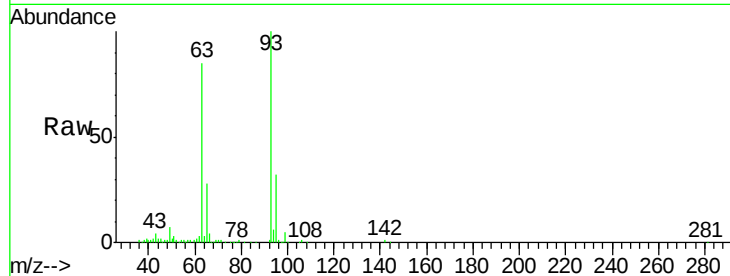
#11
bis(2-Chloroethyl)ether
Concen: 18.03 ng
RT: 6.33 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:	93	Resp:	257552
Ion Ratio	Lower	Upper	
93	100		
63	84.5	65.4	105.4
95	31.7	12.9	52.9

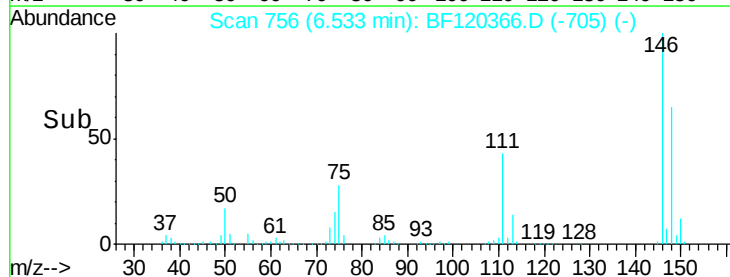
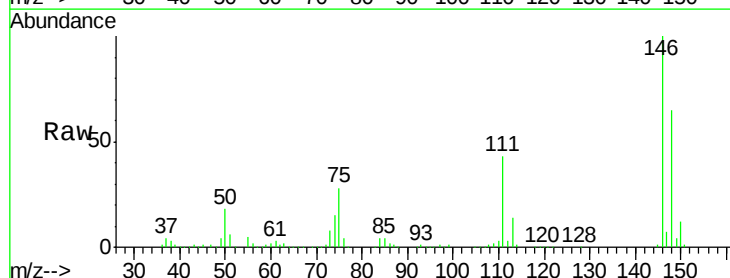
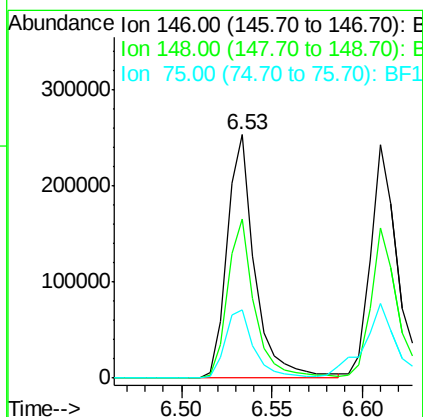
Manual Integrations
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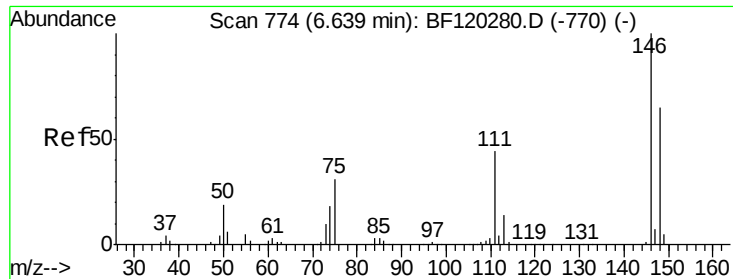
mohammad
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#12
1,3-Dichlorobenzene
Concen: 17.77 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion:	146	Resp:	268560
Ion Ratio	Lower	Upper	
146	100		
148	65.1	50.5	75.7
75	28.0	24.2	36.4





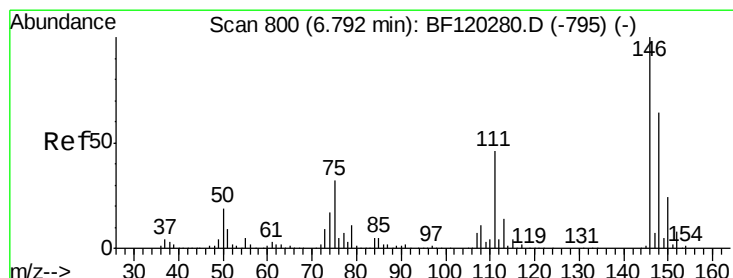
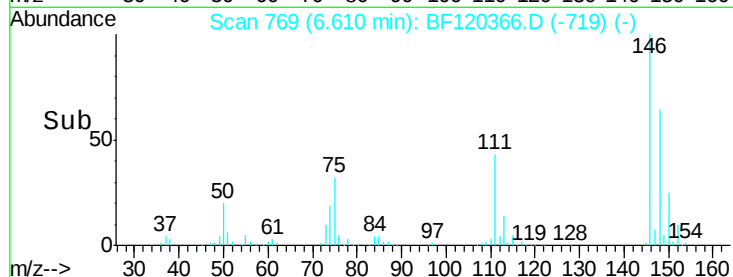
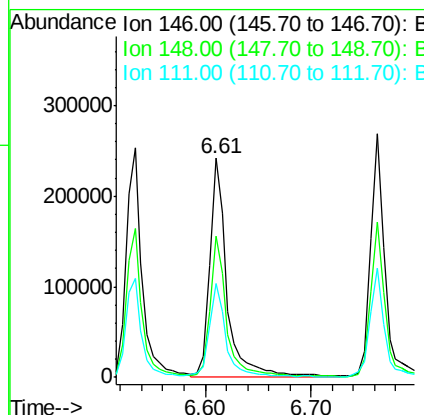
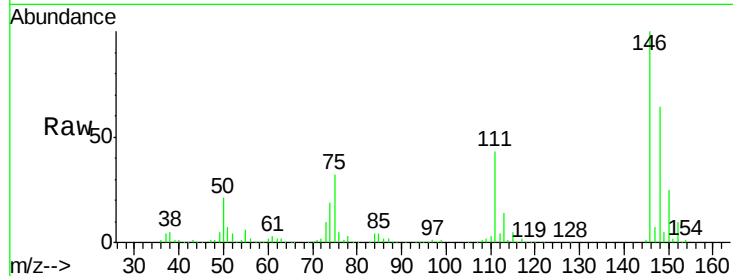
#13
 1,4-Dichlorobenzene
 Concen: 17.66 ng
 RT: 6.61 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
111	42.7	35.1	52.7

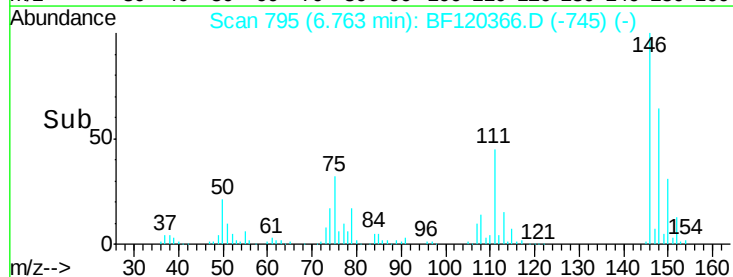
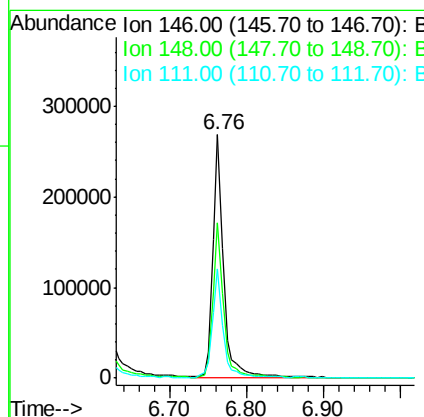
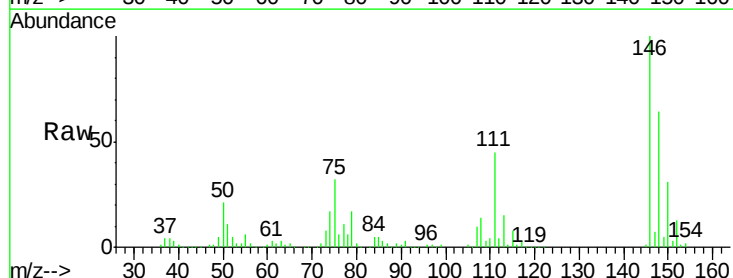
Manual Integrations
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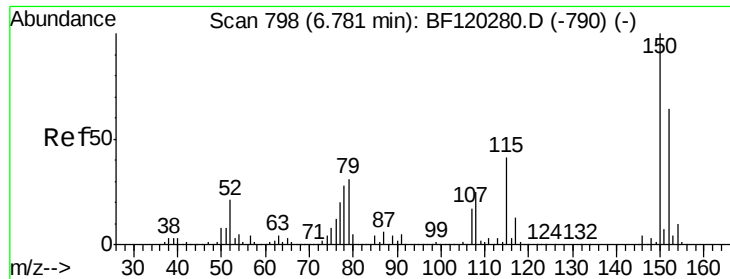
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 18.40 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	45.1	36.6	55.0





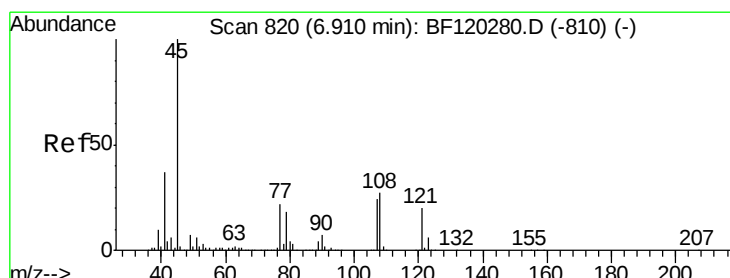
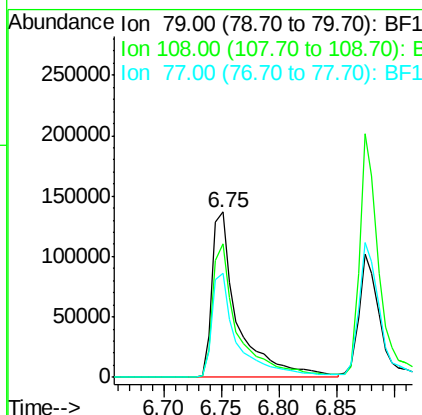
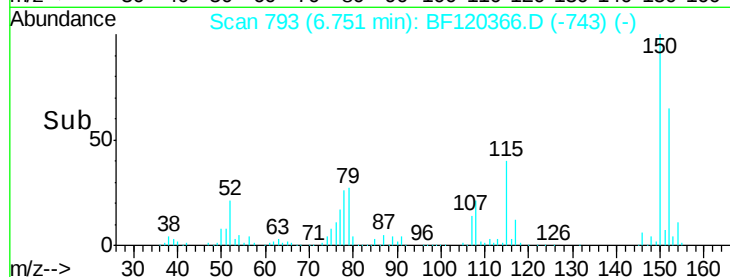
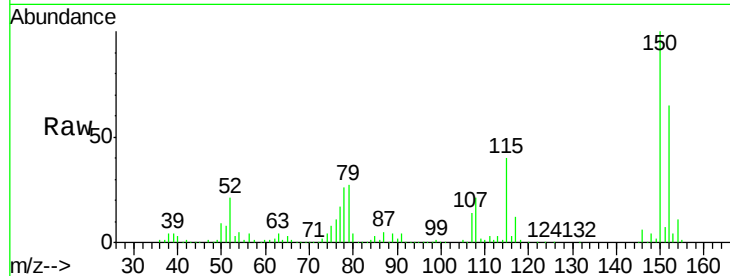
#15
Benzyl Alcohol
Concen: 19.54 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.2	96.4
77	63.3	51.6	77.4

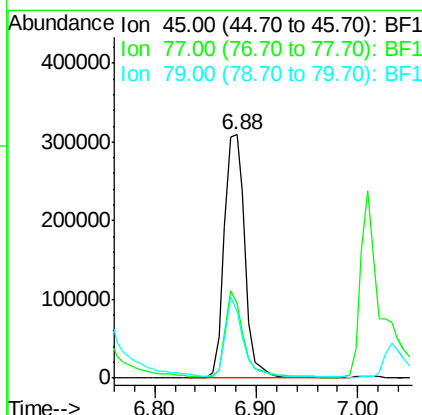
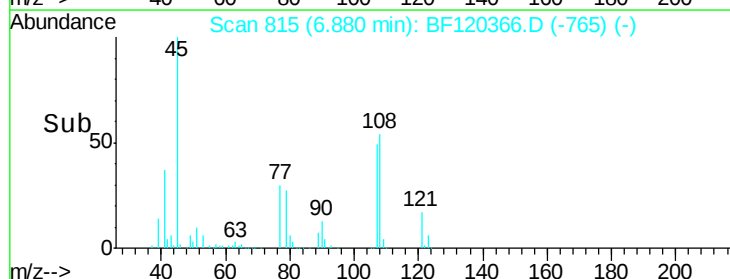
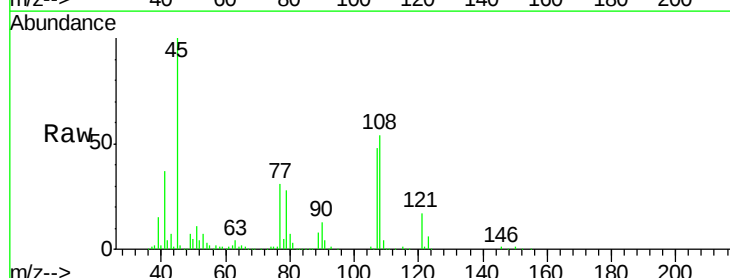
Manual Integrations
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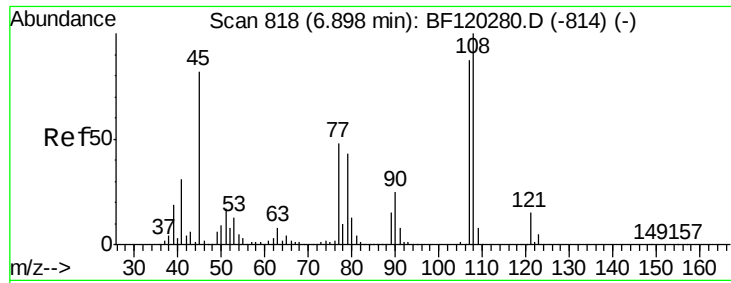
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.51 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
45	100		
77	30.8	3.1	43.1
79	27.7	0.0	40.0





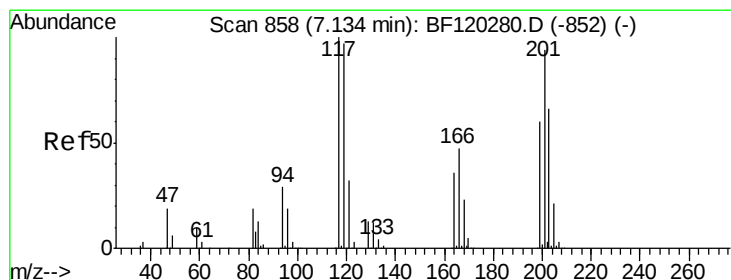
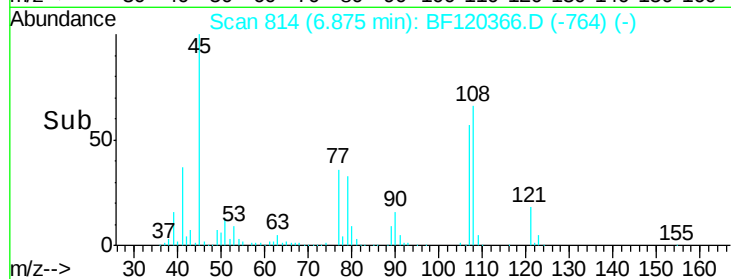
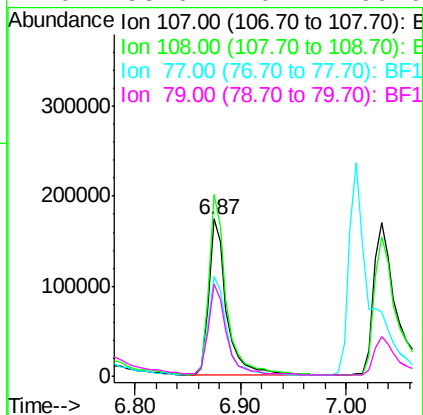
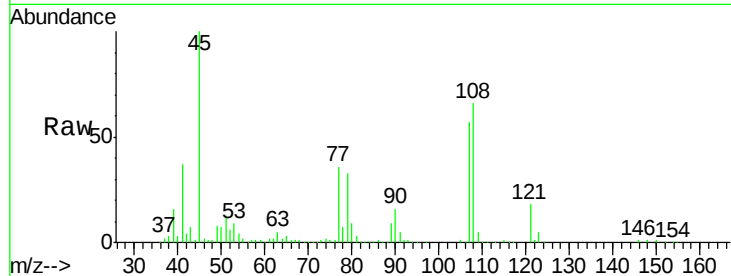
#17
2-Methylphenol
Concen: 17.31 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:	107	Resp:	206432
Ion Ratio	Lower	Upper	
107	100		
108	115.2	92.4	138.6
77	63.8	44.5	66.7
79	58.6	40.4	60.6

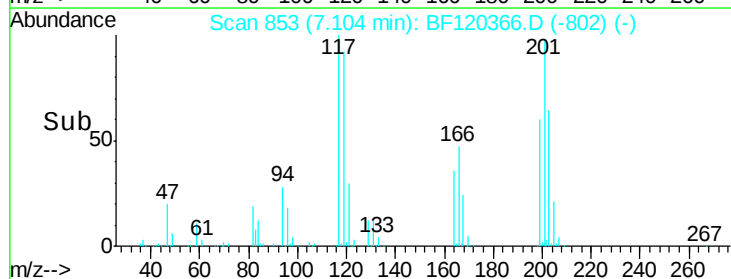
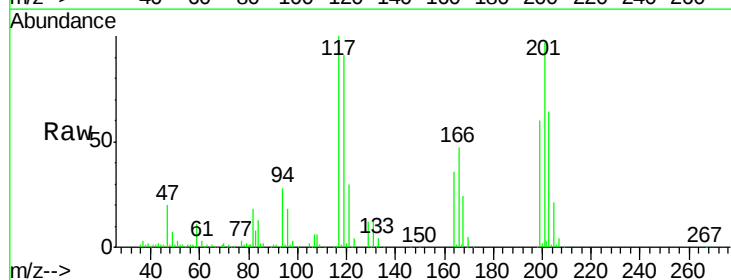
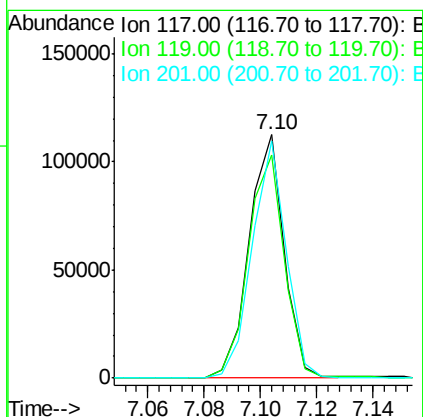
Manual Integrations
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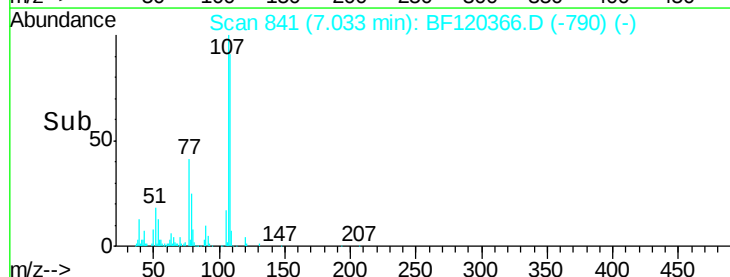
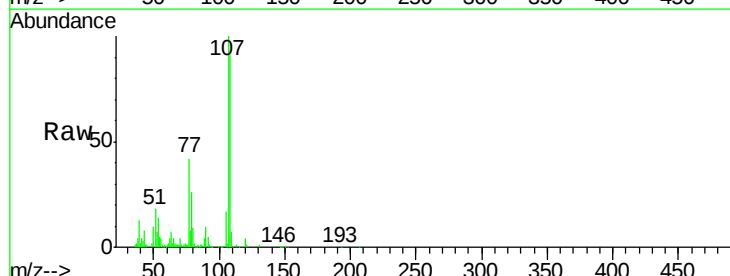
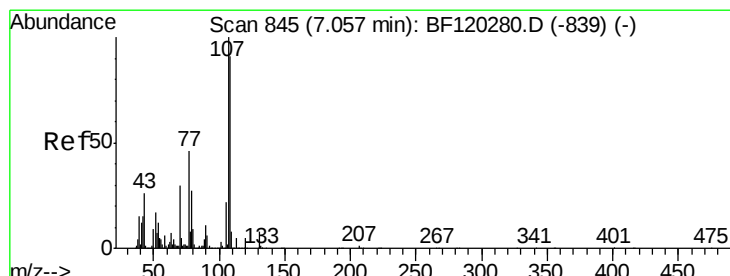
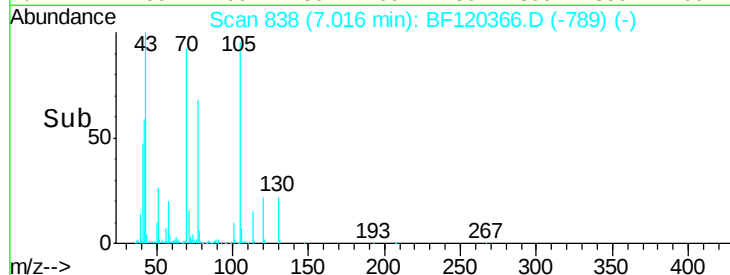
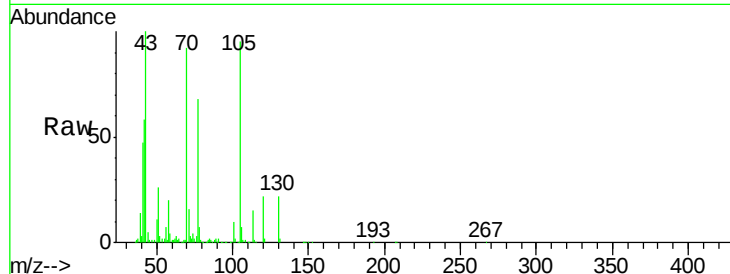
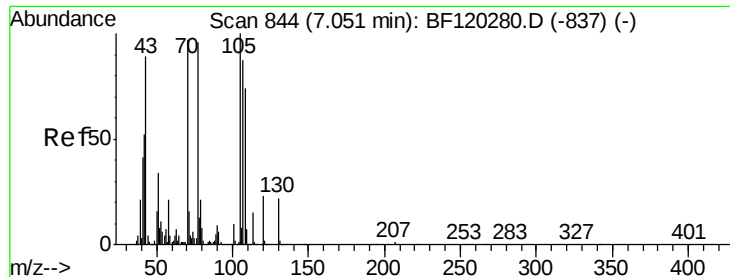
mohammad
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#18
Hexachloroethane
Concen: 16.32 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

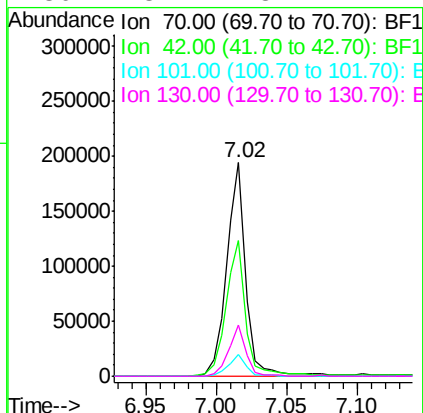
Tgt Ion:	117	Resp:	96798
Ion Ratio	Lower	Upper	
117	100		
119	91.4	77.4	116.0
201	97.4	74.9	112.3





#19
n-Nitroso-di-n-propylamine
Concen: 18.26 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
70	100		
42	63.8	43.4	65.0
101	10.5	7.8	11.8
130	23.7	18.2	27.4



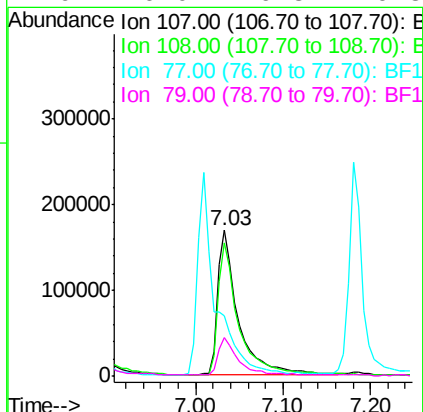
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

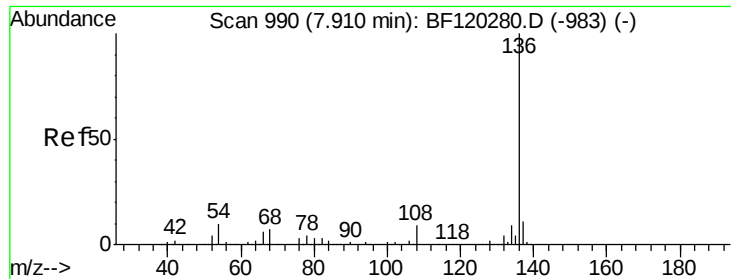
Manual Integrations
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#20
3+4-Methylphenols
Concen: 17.61 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.1	111.1
77	41.7	28.1	68.1
79	26.0	6.8	46.8





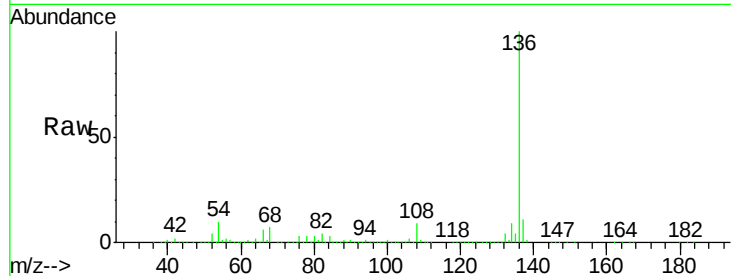
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

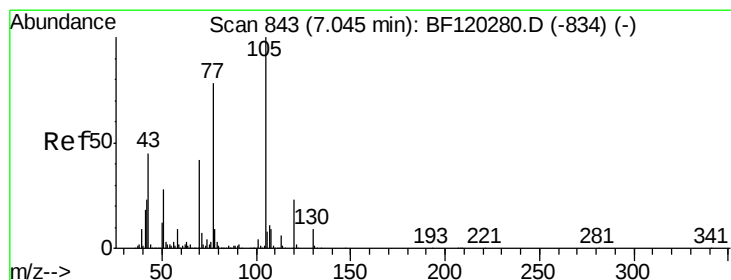
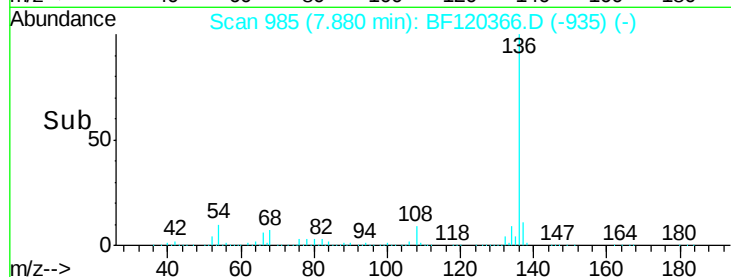
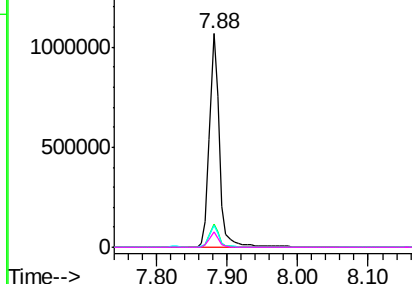
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.0	7.9	11.9
68	7.2	5.4	8.2

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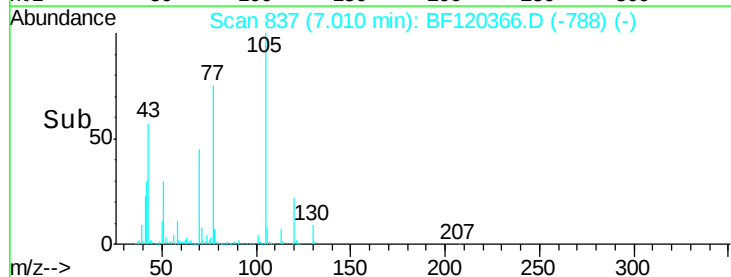
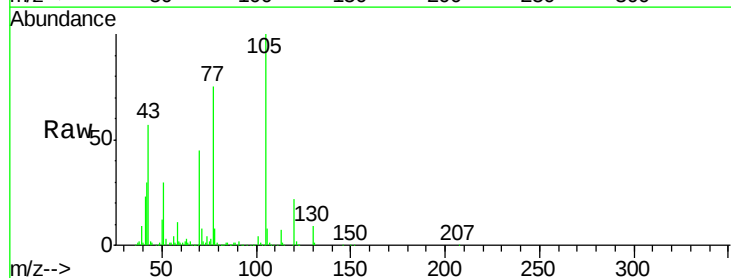
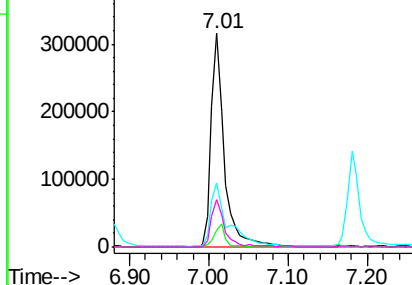
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

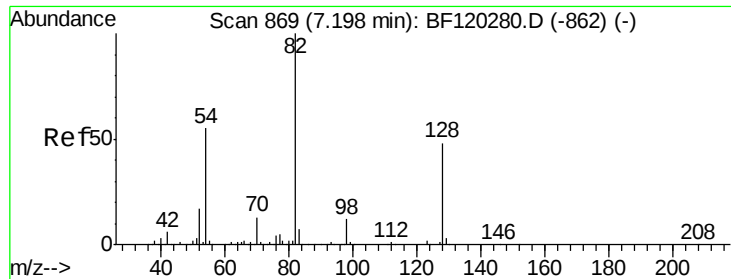


#22
Acetophenone
Concen: 17.21 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
71	7.5	5.6	8.4
51	30.2	22.6	34.0
120	22.0	18.7	28.1

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





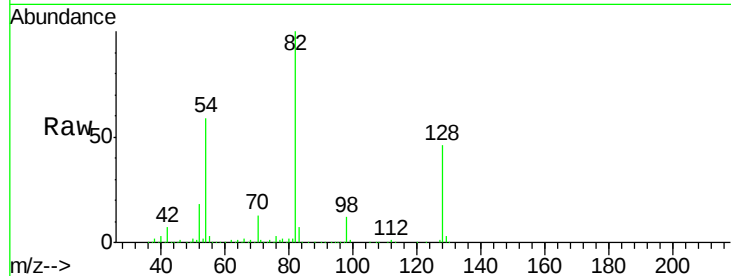
#23
 Nitrobenzene-d5
 Concen: 38.39 ng
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

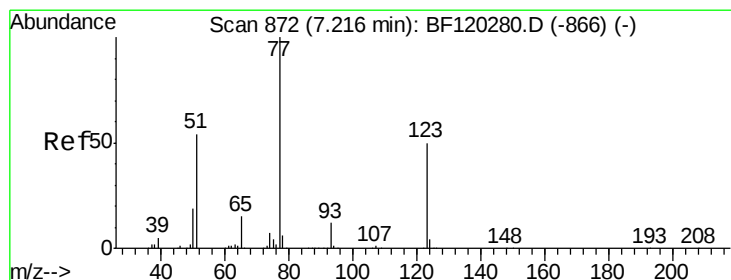
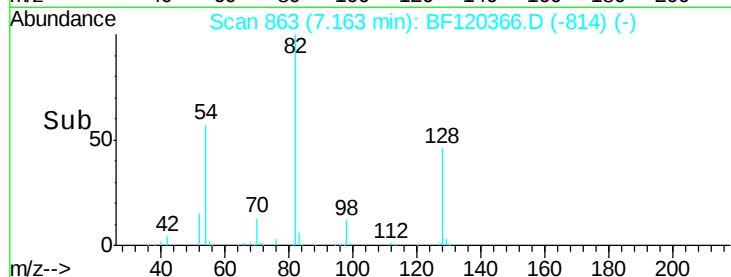
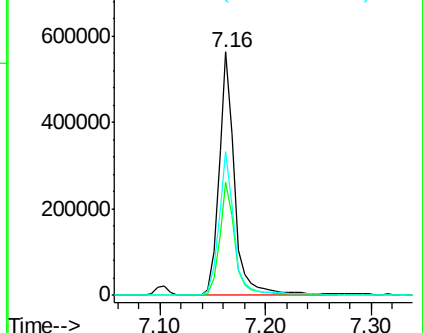
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	588817		
128	46.3	38.3	57.5	
54	59.0	43.9	65.9	

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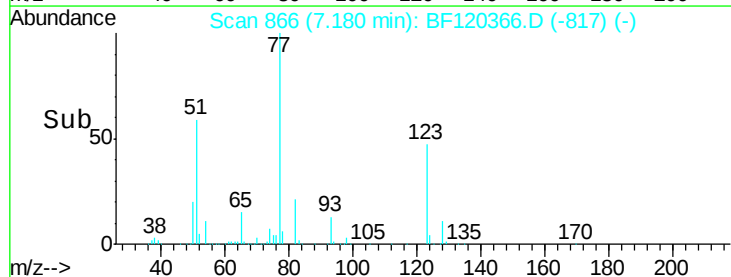
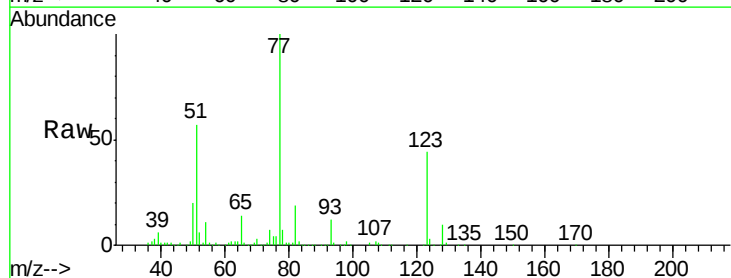
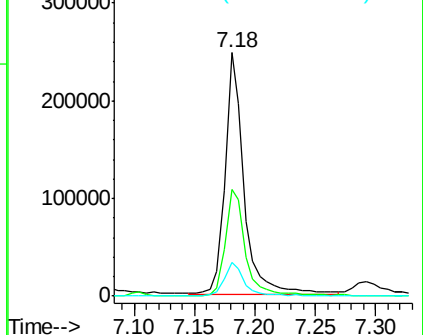
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

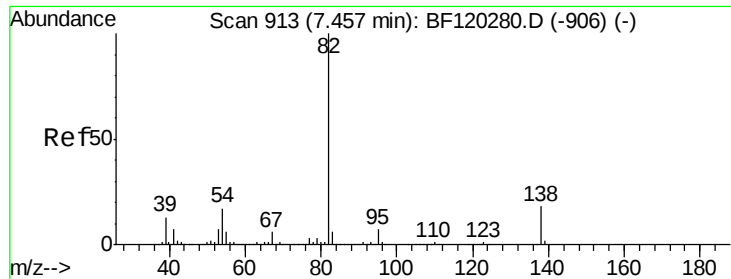


#24
 Nitrobenzene
 Concen: 16.38 ng
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	270363		
123	44.0	40.0	60.0	
65	14.0	11.7	17.5	

Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





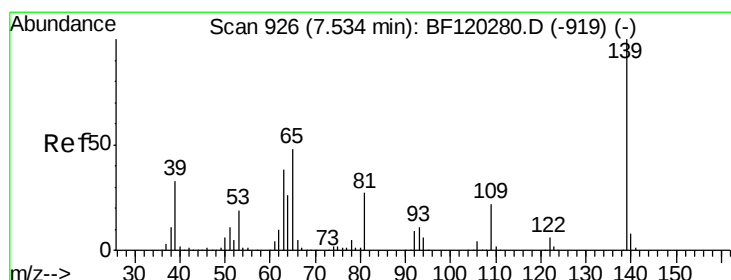
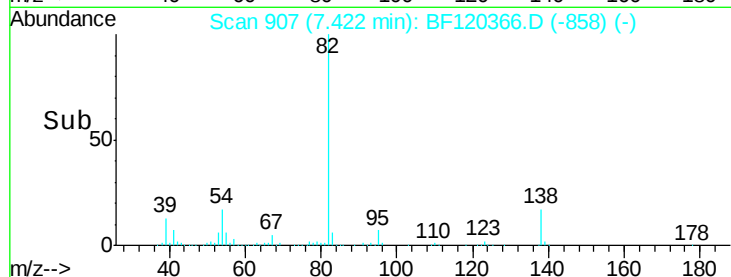
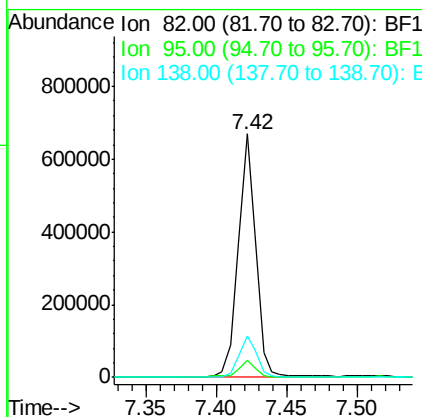
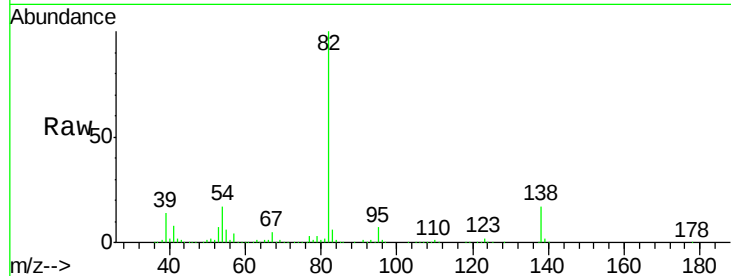
#25
Isophorone
Concen: 18.13 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.0
138	17.2	14.7	22.1

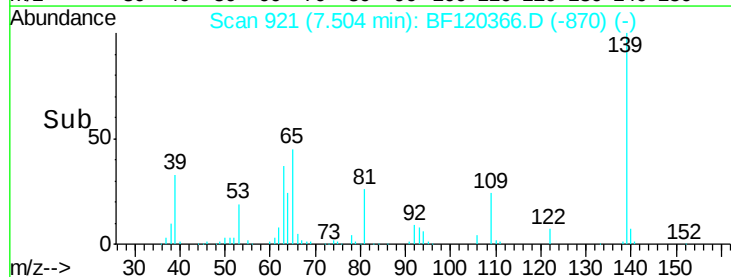
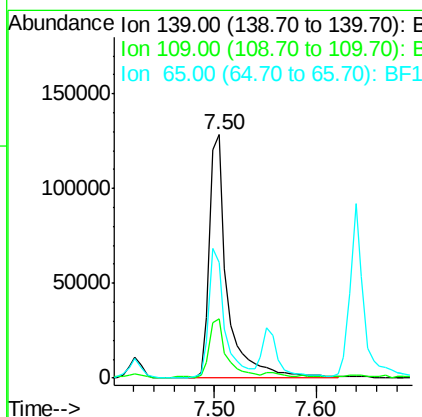
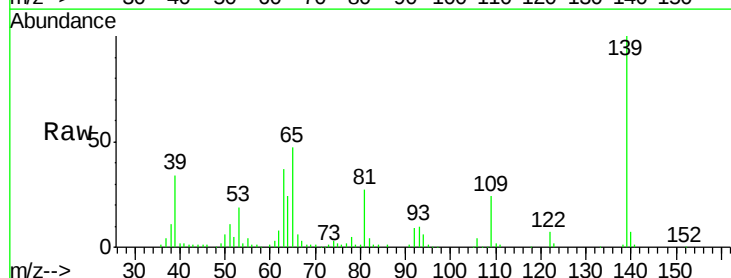
Manual Integrations
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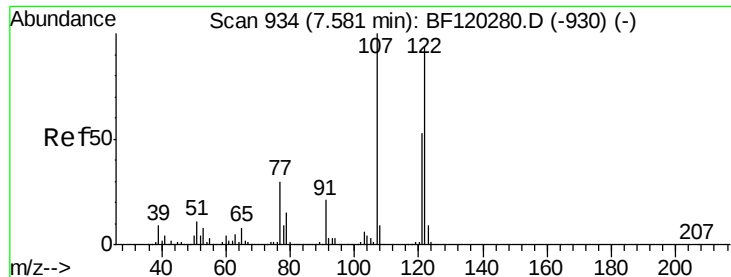
mohammad
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#26
2-Nitrophenol
Concen: 18.46 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
139	100		
109	24.4	17.7	26.5
65	47.3	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 20.53 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

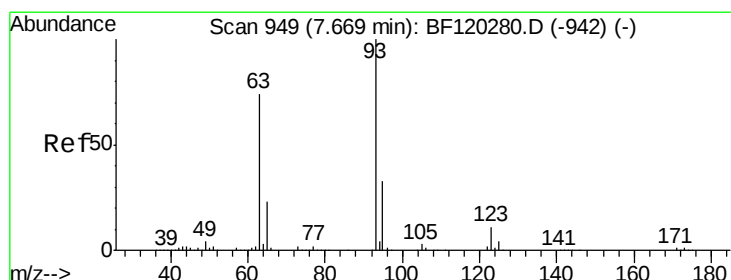
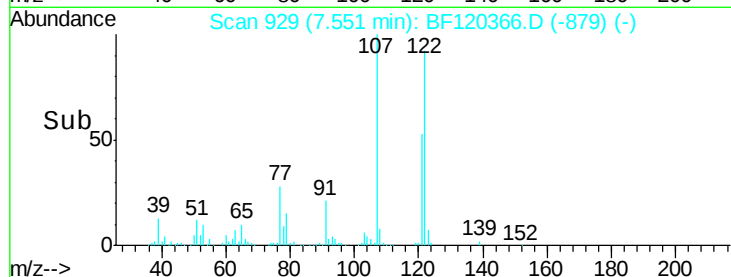
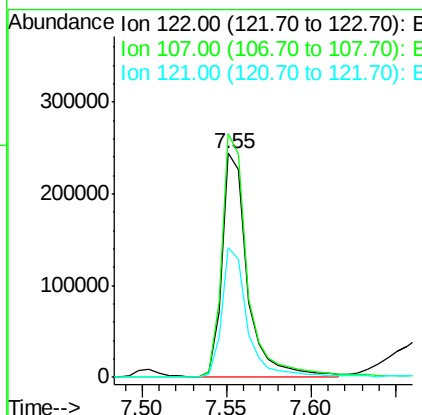
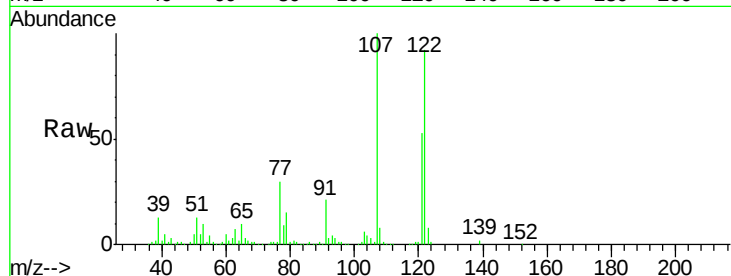
ClientSampleId :

VNJ-214MSD

Tgt Ion:	122	Resp:	257851
Ion Ratio	Lower	Upper	
122	100		
107	108.7	85.0	127.6
121	57.9	45.1	67.7

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#28

bis(2-Chloroethoxy)methane

Concen: 18.54 ng

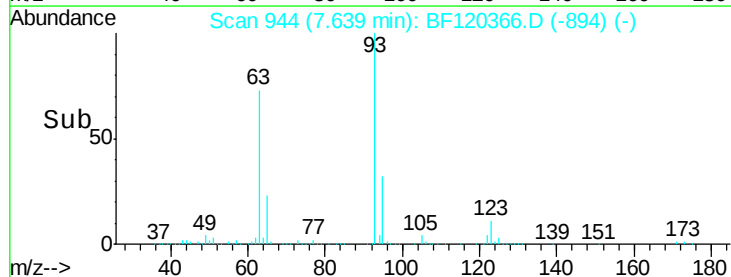
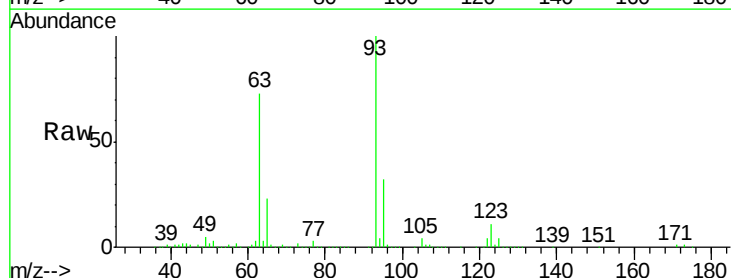
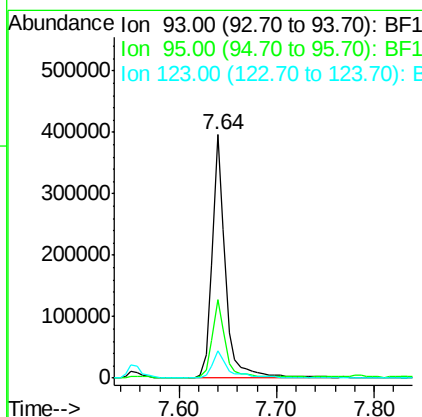
RT: 7.64 min Scan# 944

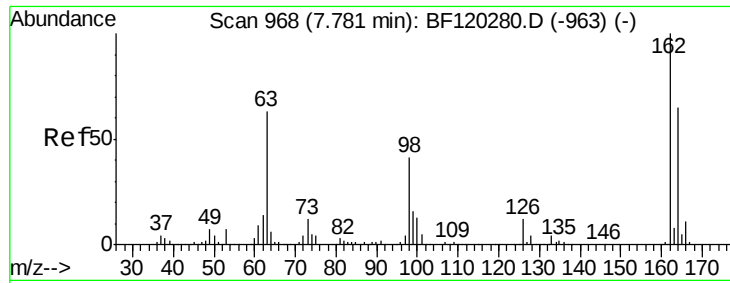
Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	93	Resp:	371853
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.8	40.2
123	11.0	9.2	13.8





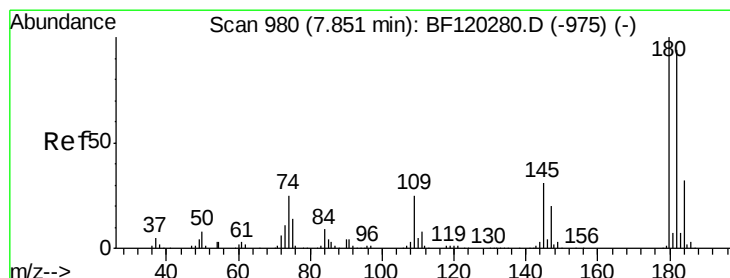
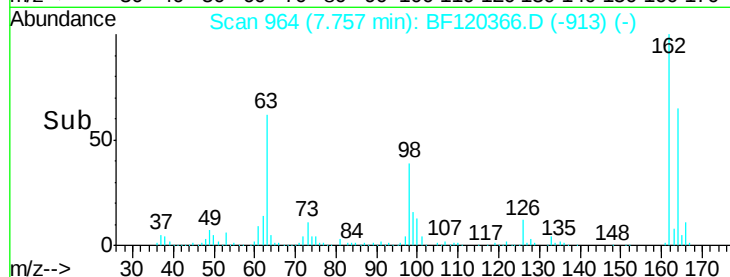
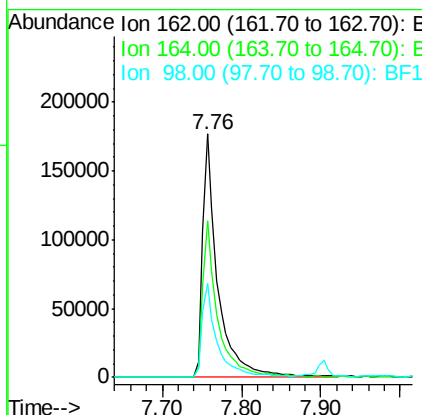
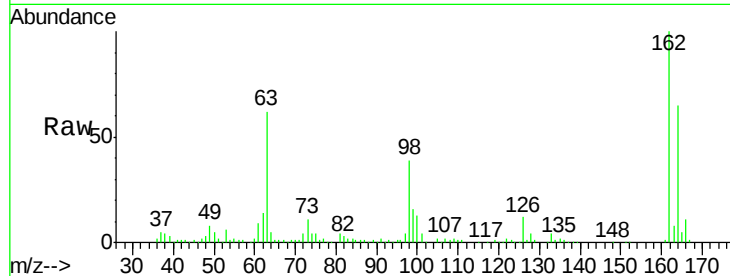
#29
 2,4-Dichlorophenol
 Concen: 18.60 ng
 RT: 7.76 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	239905		
164	64.5		44.9	84.9
98	38.7		20.7	60.7

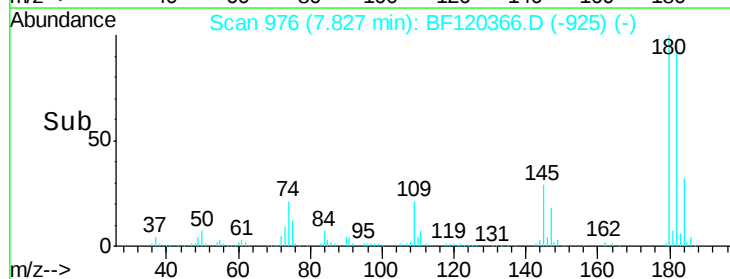
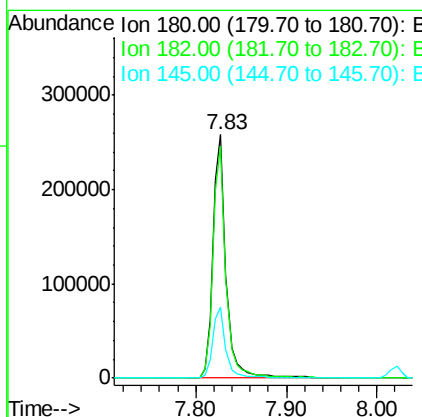
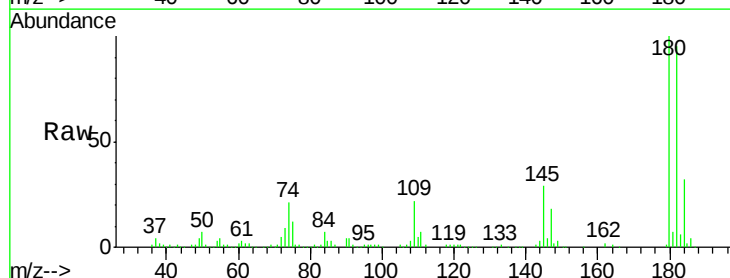
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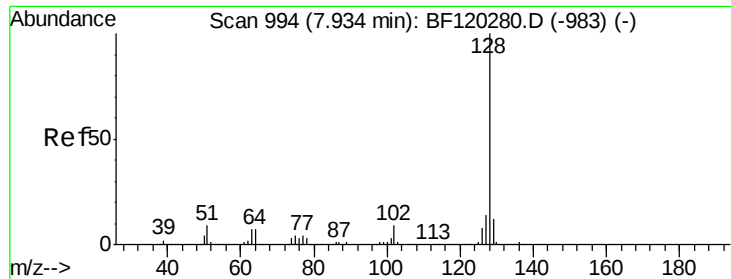
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 18.33 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	262059		
182	95.3		75.3	112.9
145	28.9		24.9	37.3





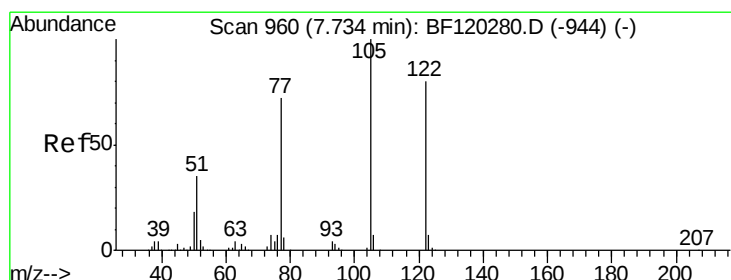
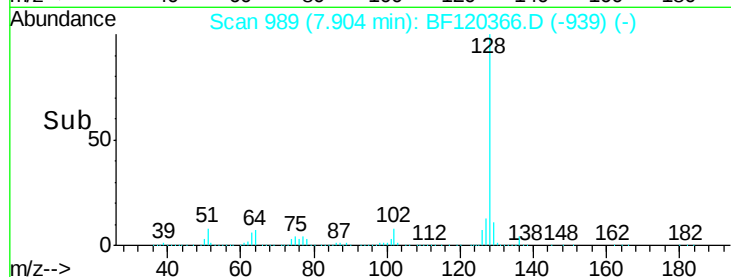
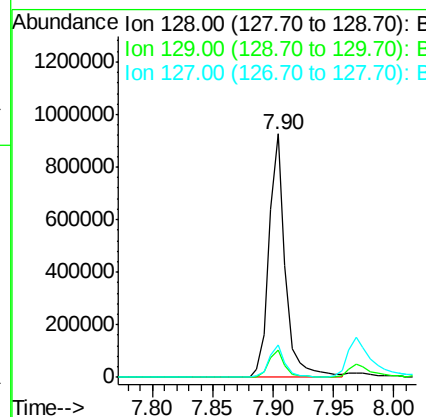
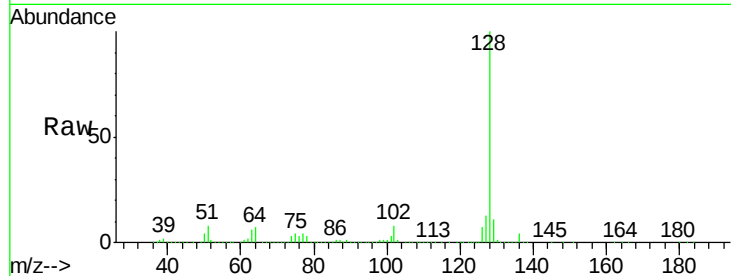
#31
Naphthalene
Concen: 19.69 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	872739		
129	11.0		9.3	13.9
127	13.2		11.2	16.8

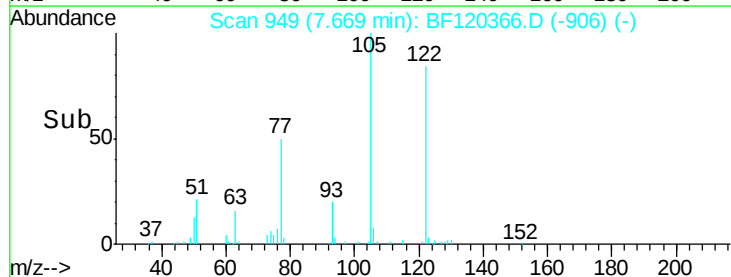
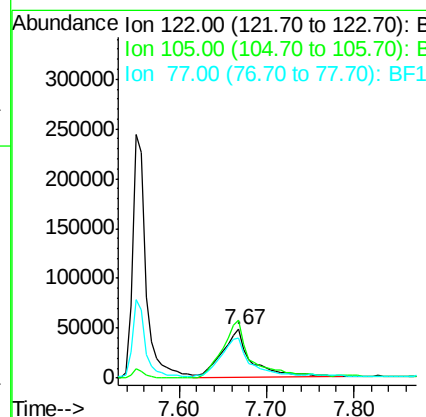
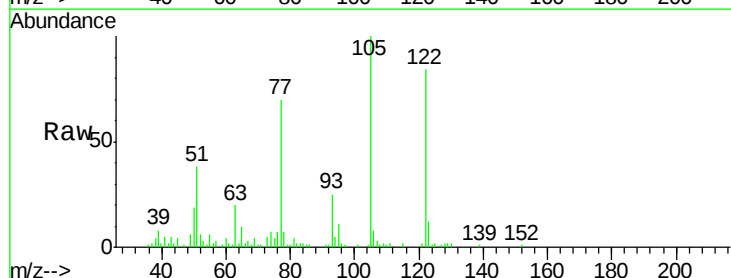
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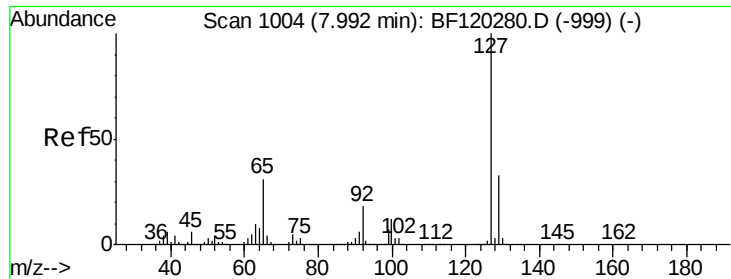
mohammad
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#32
Benzoic acid
Concen: 13.67 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.05 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	112526		
105	118.4		98.1	138.1
77	83.1		66.7	106.7





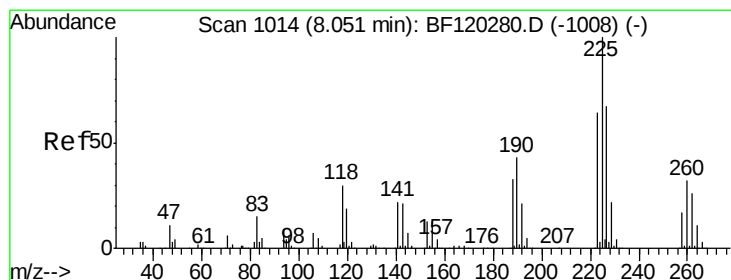
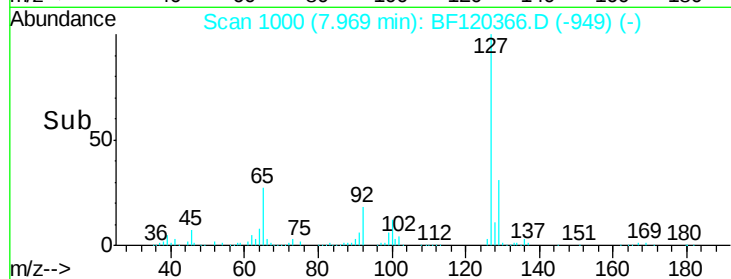
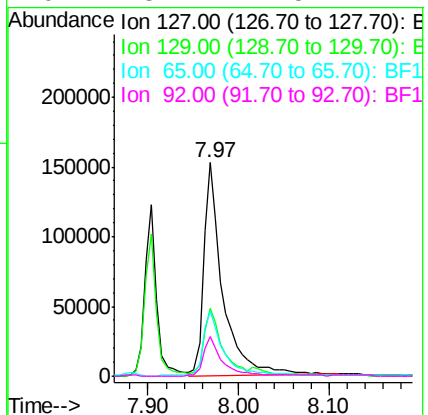
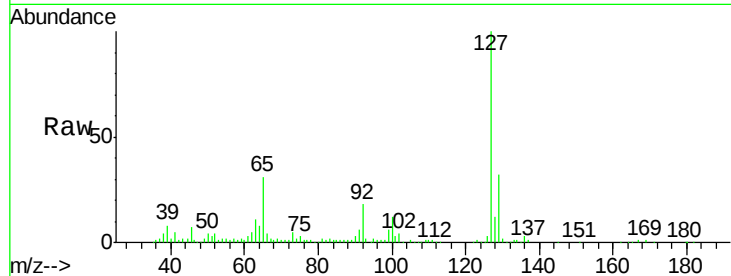
#33
4-Chloroaniline
Concen: 11.02 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	31.9	26.4	39.6
65	30.6	24.8	37.2
92	18.4	14.5	21.7

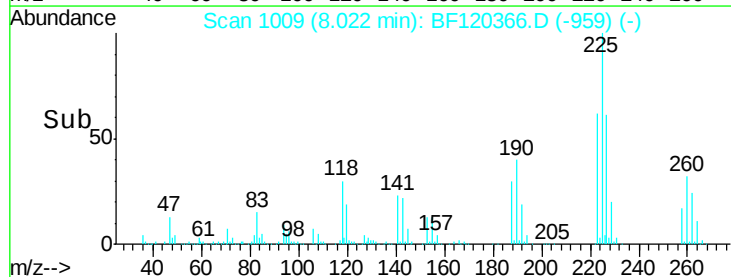
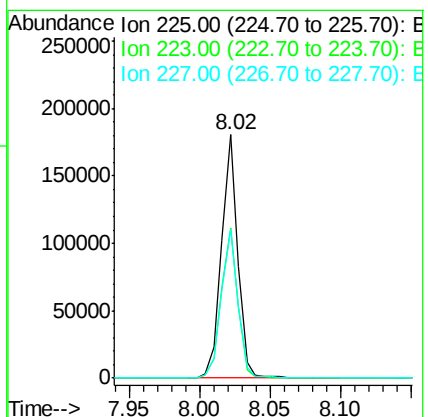
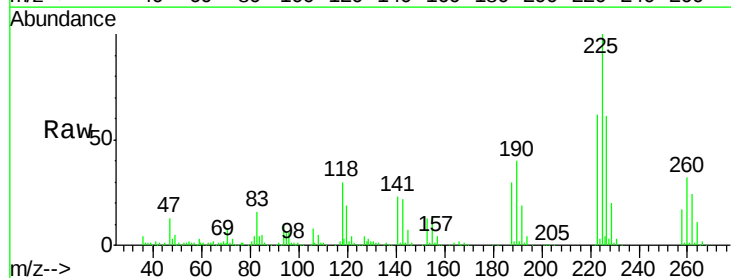
Manual Integrations
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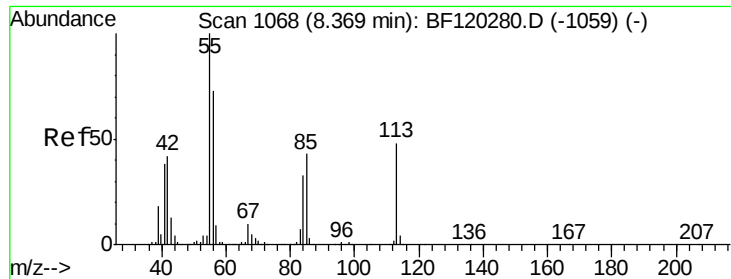
mohammad
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#34
Hexachlorobutadiene
Concen: 17.57 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.8	51.4	77.0
227	61.4	54.0	81.0





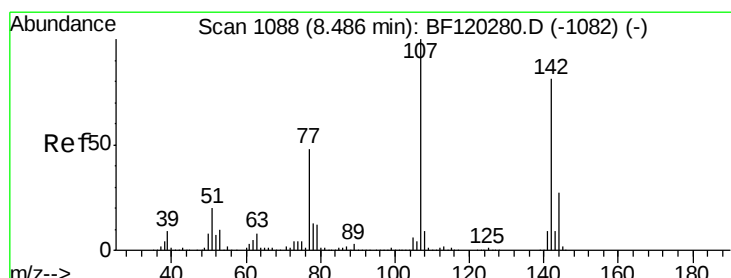
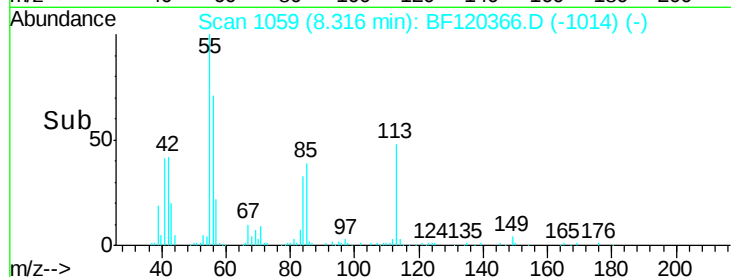
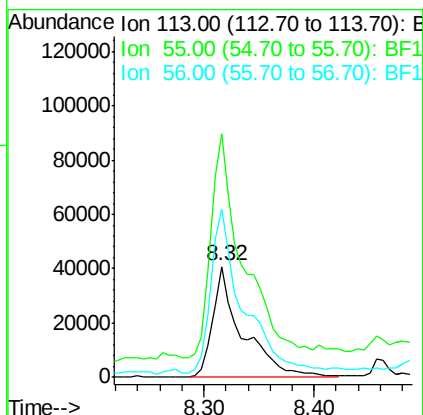
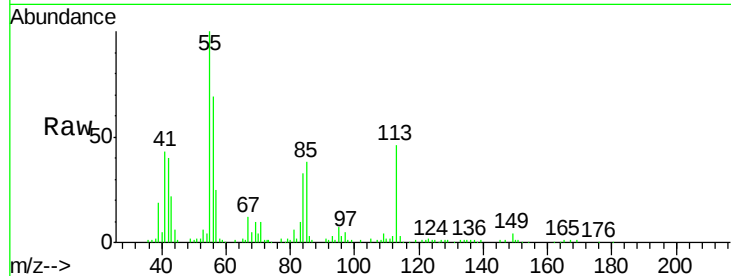
#35
 Caprolactam
 Concen: 18.16 ng
 RT: 8.32 min Scan# 1059
 Delta R.T. -0.04 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	219.4	190.4	230.4
56	151.0	132.7	172.7

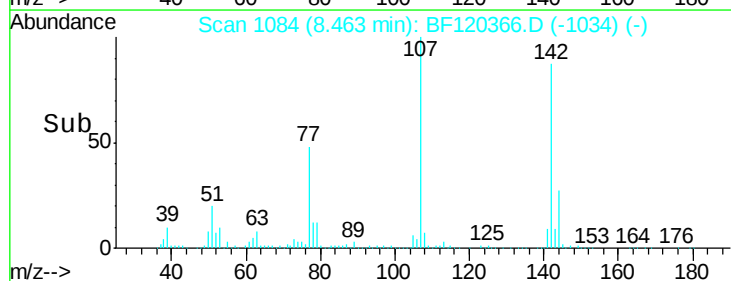
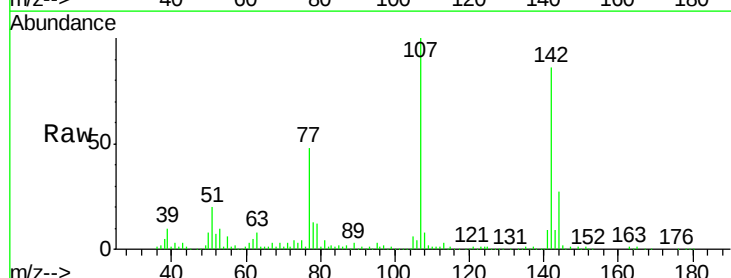
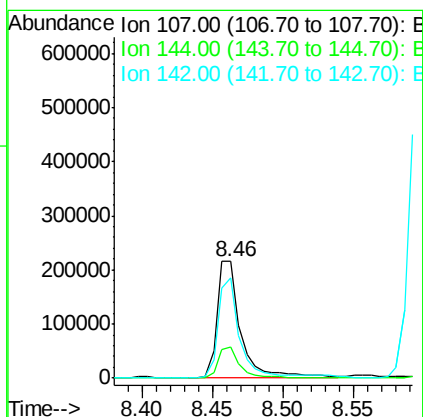
Manual Integrations
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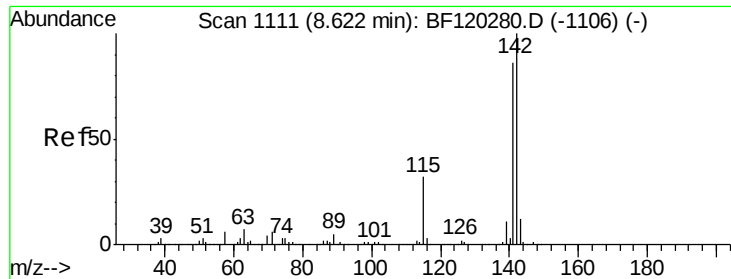
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 17.61 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.4	32.2
142	86.5	65.1	97.7





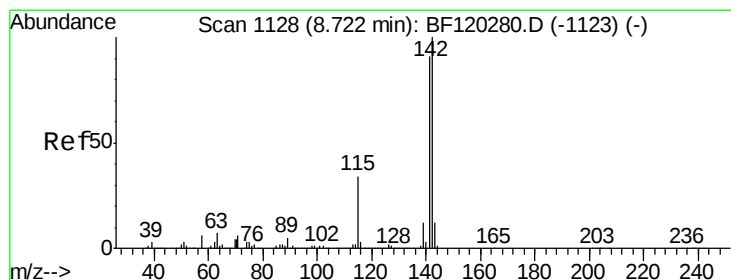
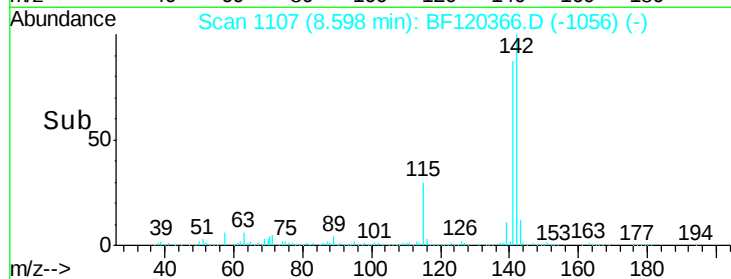
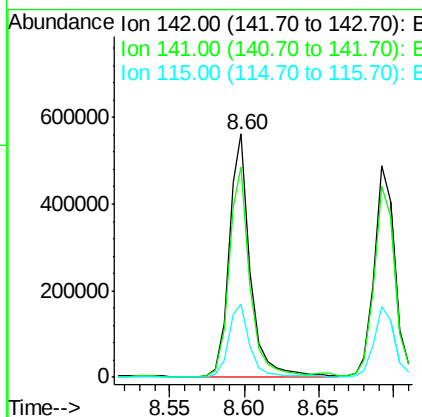
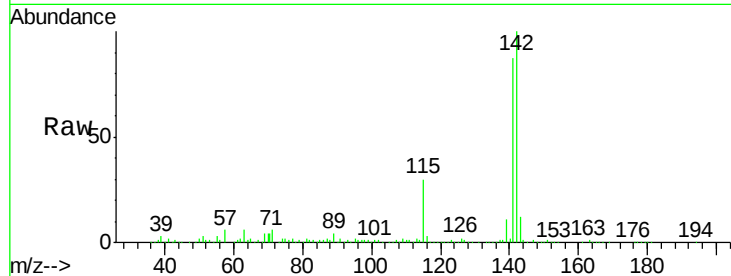
#37
2-Methylnaphthalene
Concen: 18.35 ng
RT: 8.60 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	556551		
141	86.6	68.8	103.2	
115	30.2	25.7	38.5	

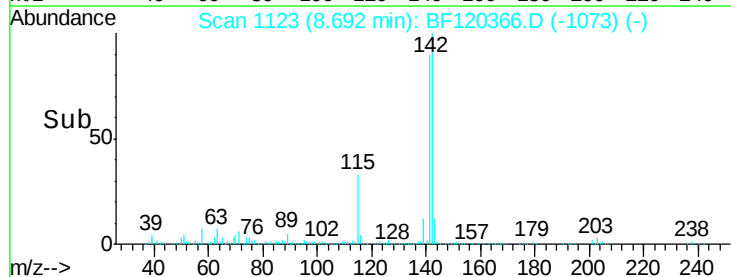
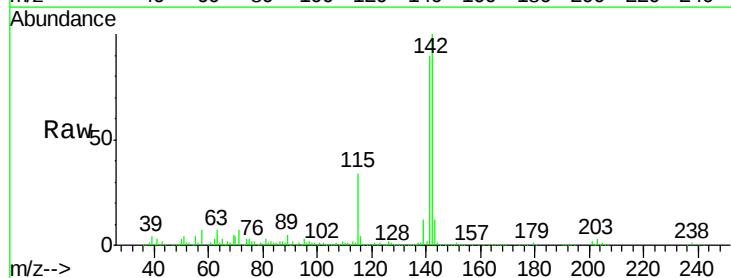
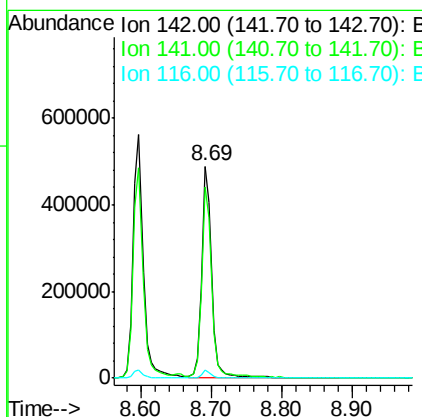
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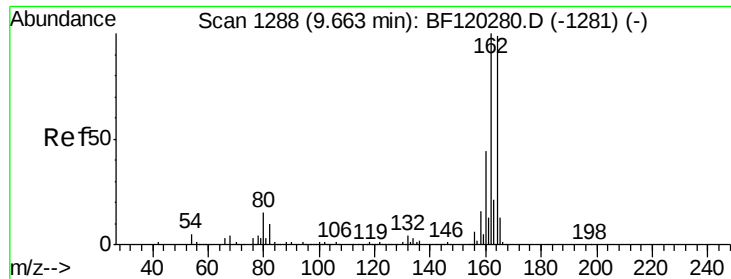
mohammad
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#38
1-Methylnaphthalene
Concen: 16.46 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	484324		
141	90.2	73.0	109.6	
116	3.6	2.7	4.1	





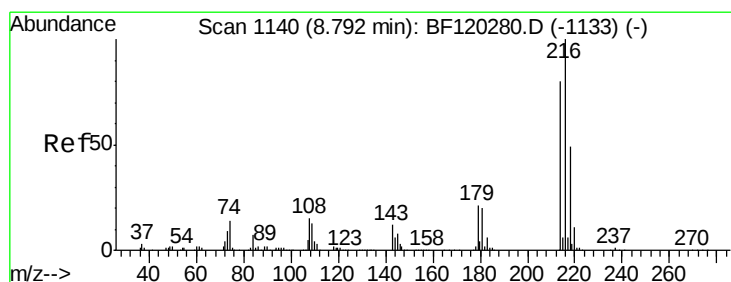
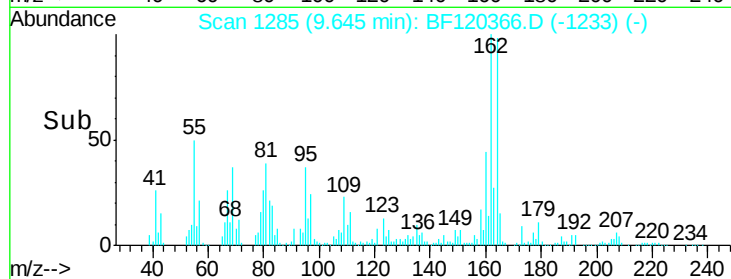
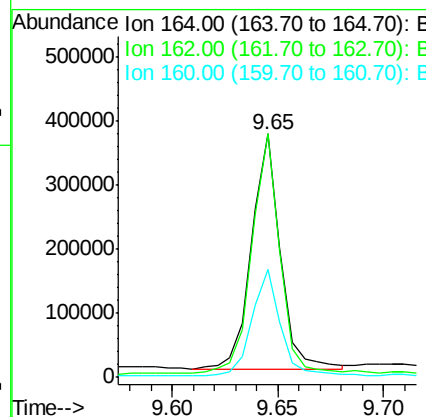
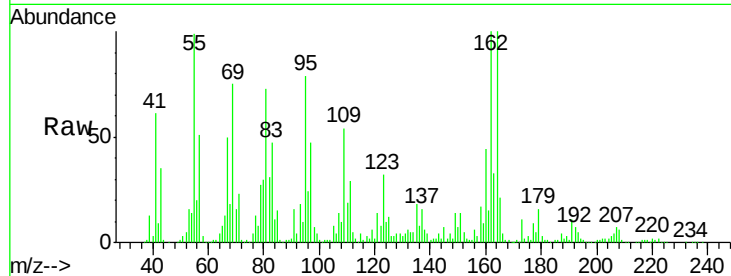
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	346007		
162	99.9	81.2	121.8	
160	44.4	35.8	53.6	

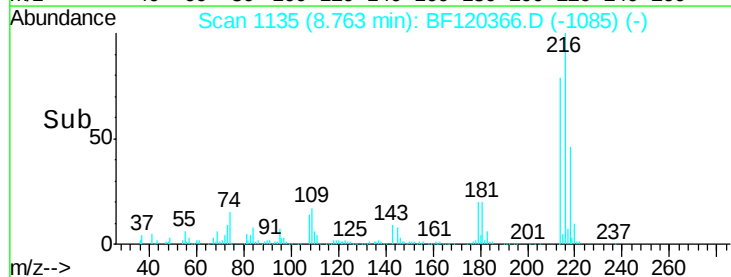
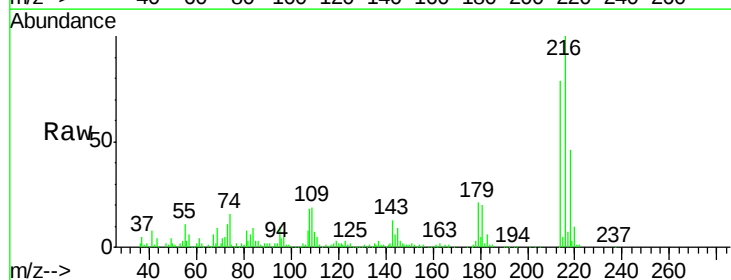
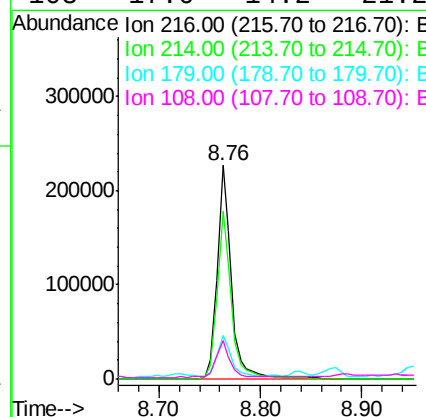
Manual Integrations
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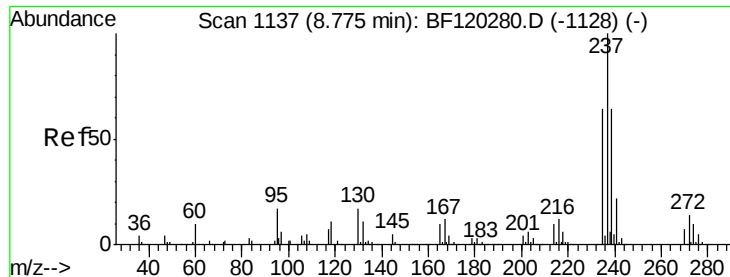
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 25.23 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	220094		
214	79.2	64.0	96.0	
179	19.3	16.9	25.3	
108	17.0	14.2	21.2	





#41

Hexachlorocyclopentadiene

Concen: 12.35 ng

RT: 8.75 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

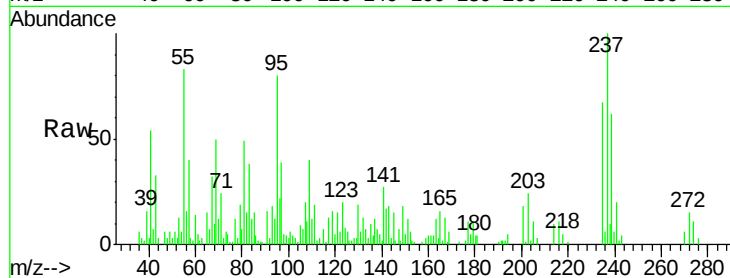
ClientSampleId :

VNJ-214MSD

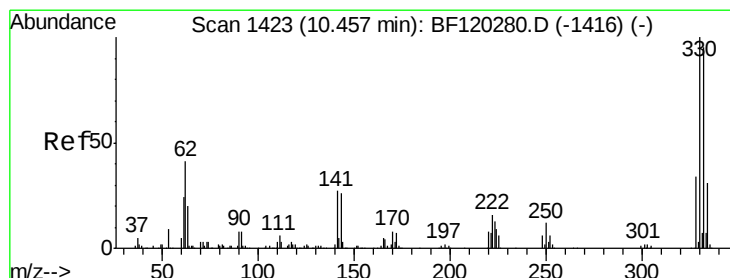
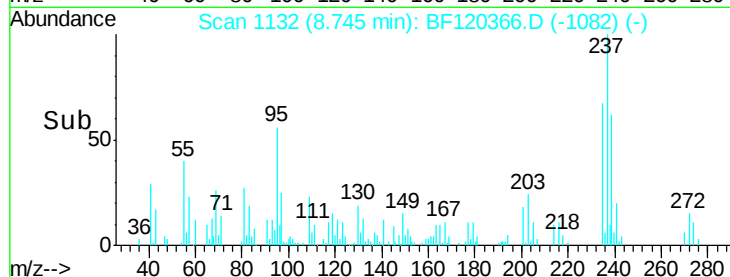
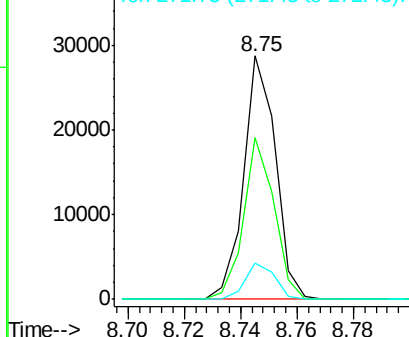
Tgt Ion:	237	Resp:	22466
Ion Ratio	Lower	Upper	
237	100		
235	66.6	43.8	83.8
272	15.0	0.0	33.9

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



#42

2,4,6-Tribromophenol

Concen: 59.60 ng

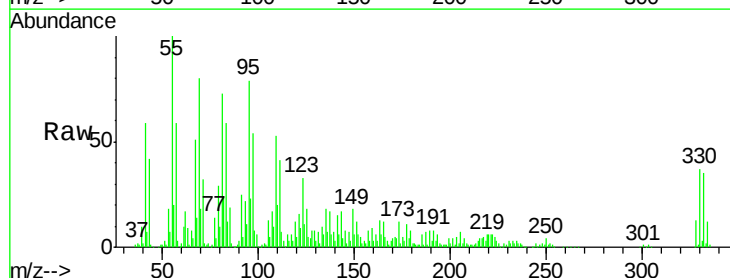
RT: 10.44 min Scan# 1421

Delta R.T. 0.01 min

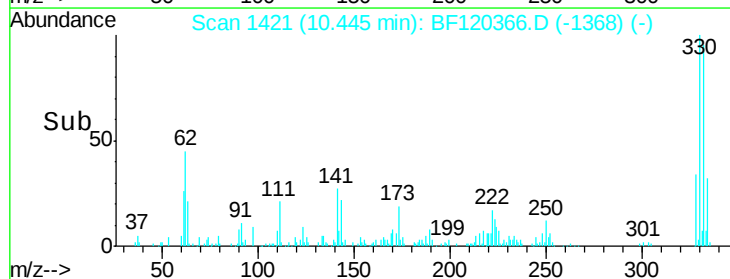
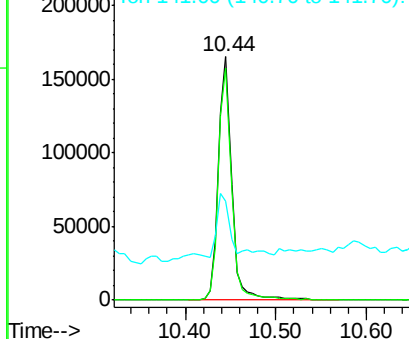
Lab File: BF120366.D

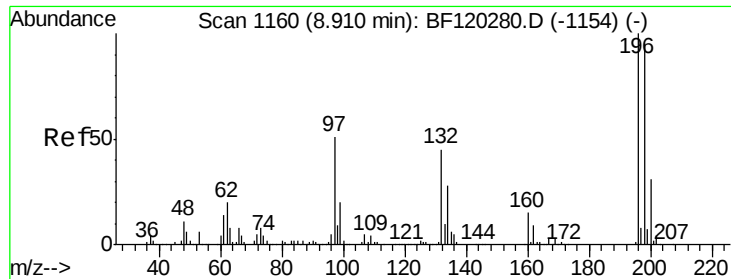
Acq: 19 May 2020 16:15

Tgt Ion:	330	Resp:	168155
Ion Ratio	Lower	Upper	
330	100		
332	95.1	76.5	114.7
141	23.3	25.4	38.0#



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





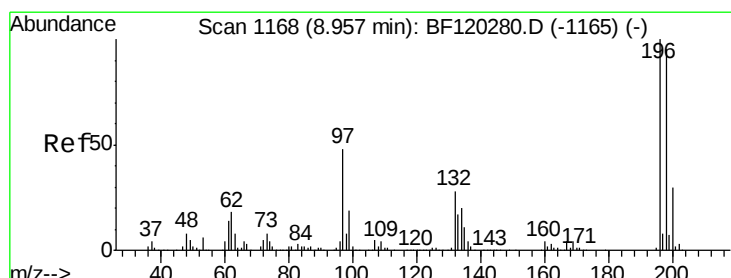
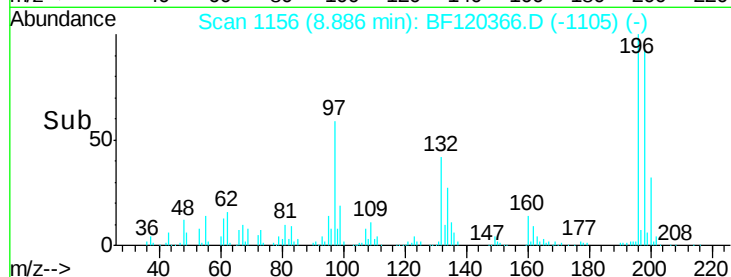
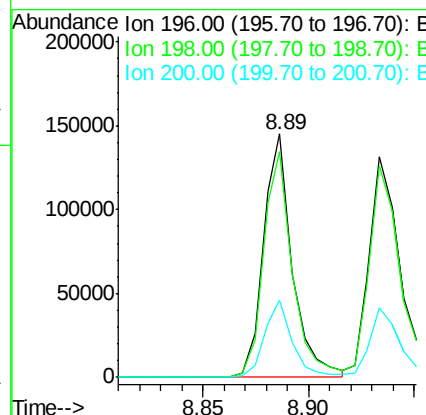
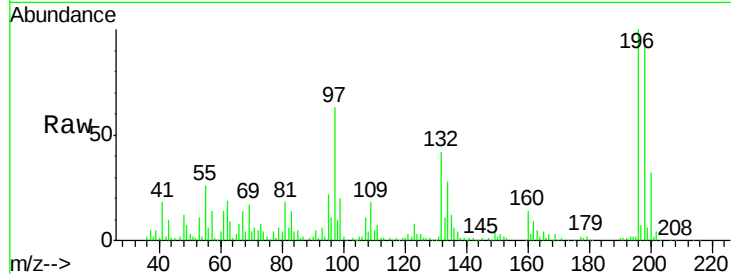
#43
 2,4,6-Trichlorophenol
 Concen: 23.59 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion:	196	Resp:	138167
Ion Ratio	Lower	Upper	
196	100		
198	92.7	76.2	114.4
200	31.8	24.9	37.3

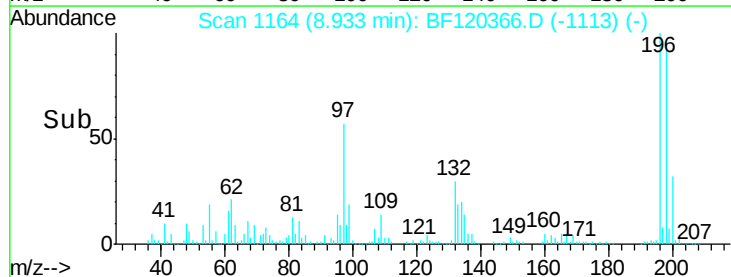
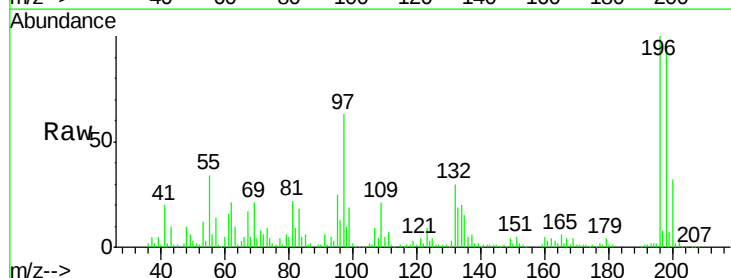
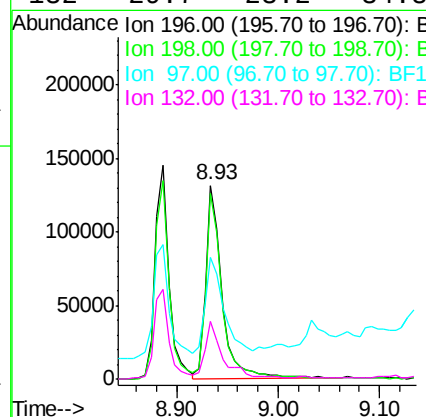
Manual Integrations
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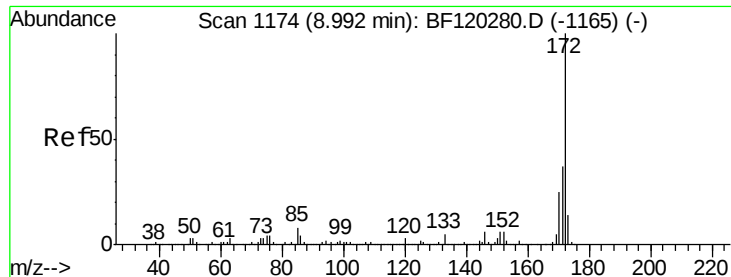
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 21.89 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion:	196	Resp:	147244
Ion Ratio	Lower	Upper	
196	100		
198	96.2	76.2	114.4
97	63.1	38.6	57.8#
132	29.7	23.2	34.8





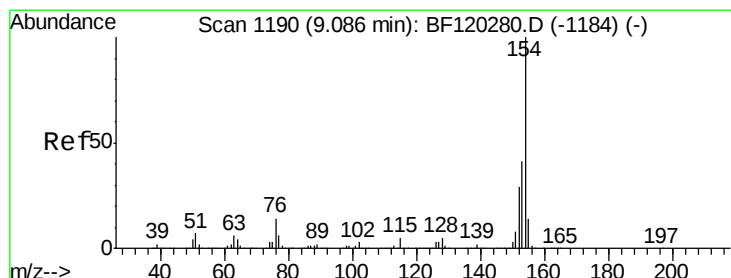
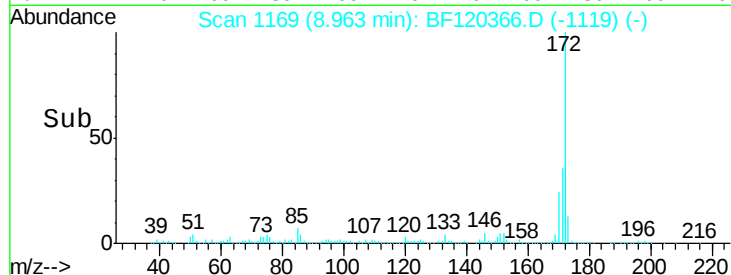
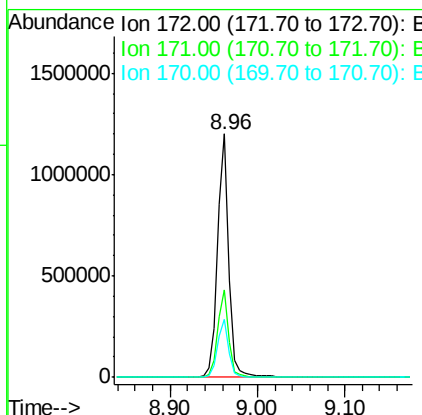
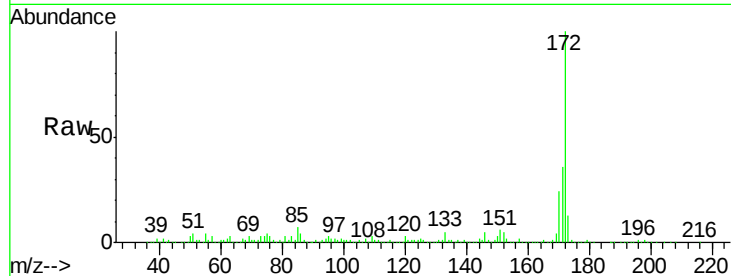
#45
 2-Fluorobiphenyl
 Concen: 63.97 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.9	29.9

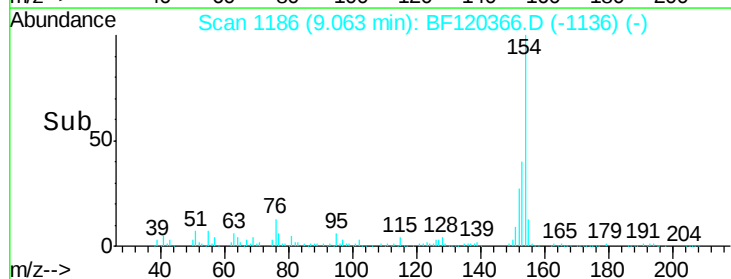
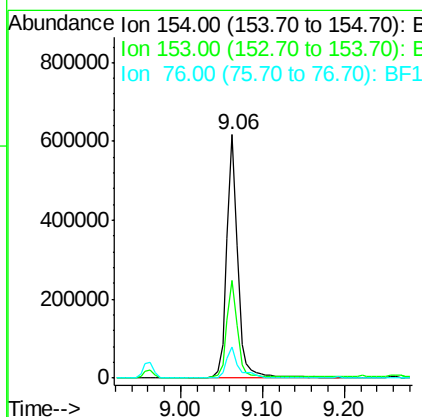
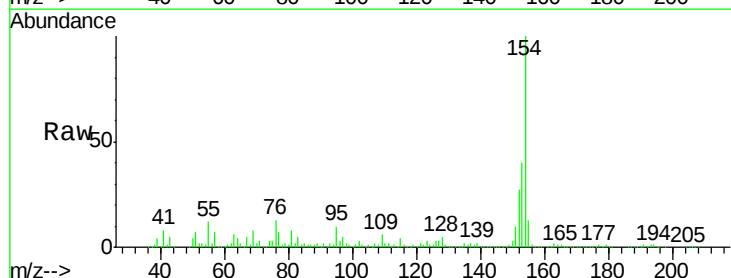
Manual Integrations
 APPROVED

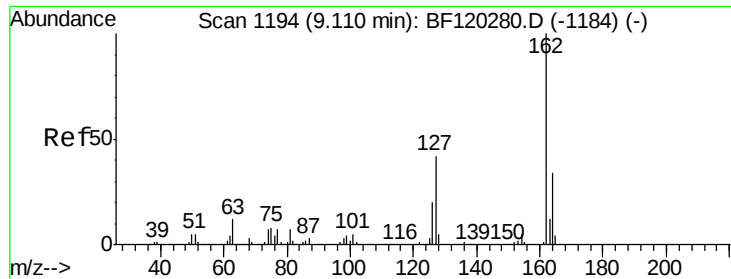
mohammad
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#46
 1,1'-Biphenyl
 Concen: 25.36 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.8	60.8
76	13.0	0.0	34.3





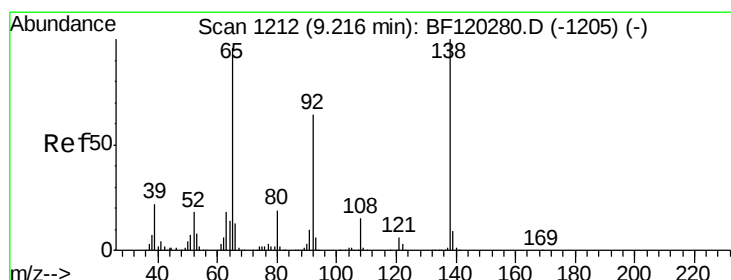
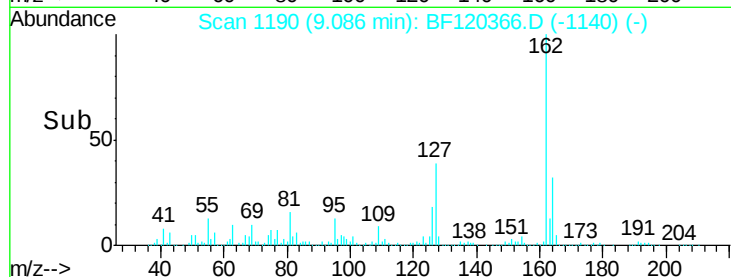
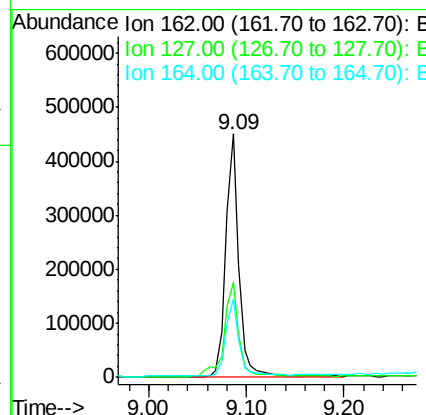
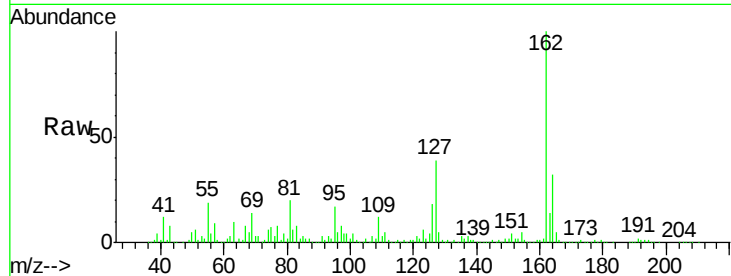
#47
 2-Chloronaphthalene
 Concen: 23.04 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	418959		
127	39.3	33.4	50.0	
164	32.4	27.0	40.6	

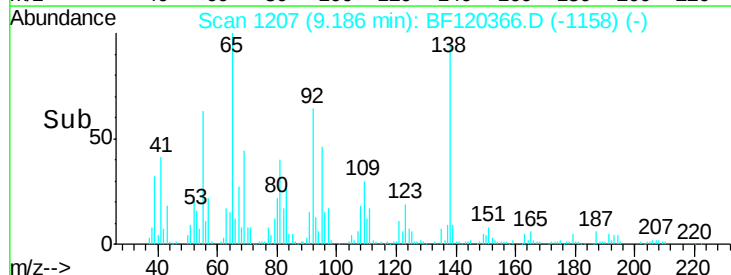
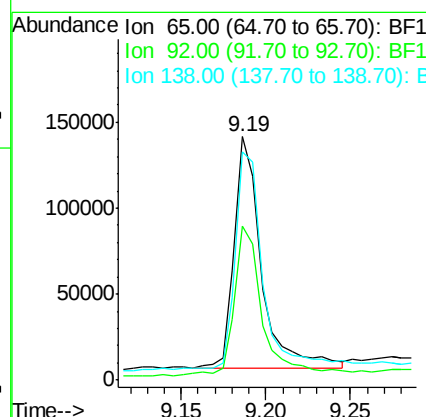
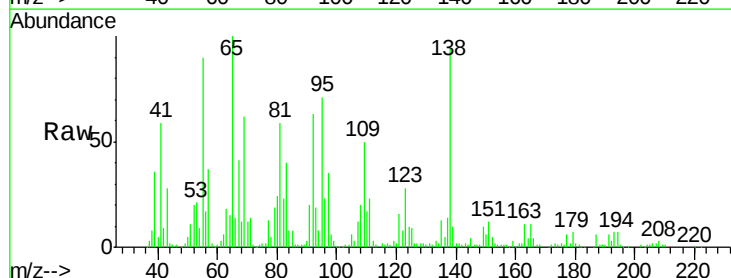
Manual Integrations
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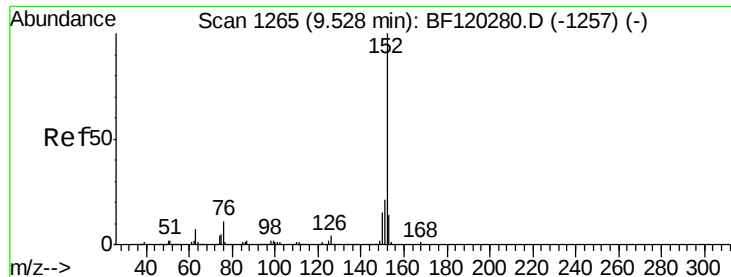
mohammad
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#48
 2-Nitroaniline
 Concen: 22.98 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	152486		
92	63.1	52.9	79.3	
138	93.8	83.0	124.4	





#49

Acenaphthylene

Concen: 26.53 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

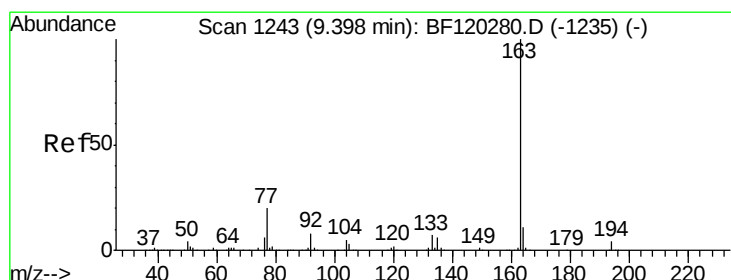
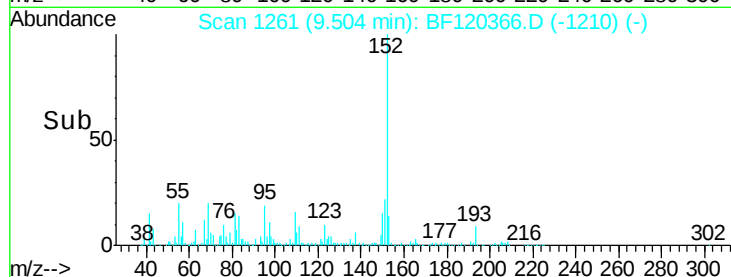
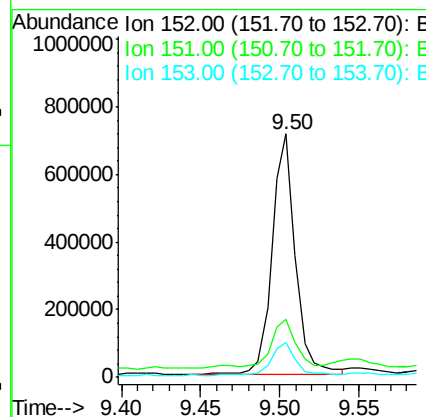
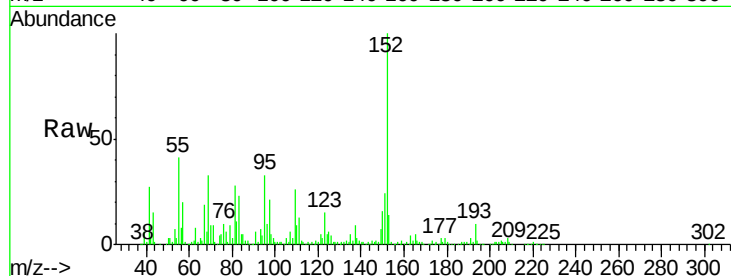
ClientSampleId :

VNJ-214MSD

Tgt Ion:	152	Resp:	736910
Ion Ratio	Lower	Upper	
152	100		
151	23.8	16.6	25.0
153	14.1	11.1	16.7

Manual Integrations
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#50

Dimethylphthalate

Concen: 29.70 ng

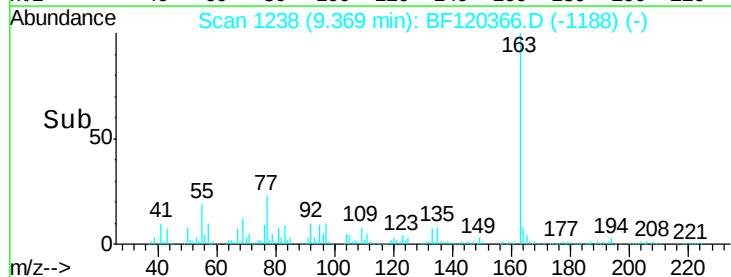
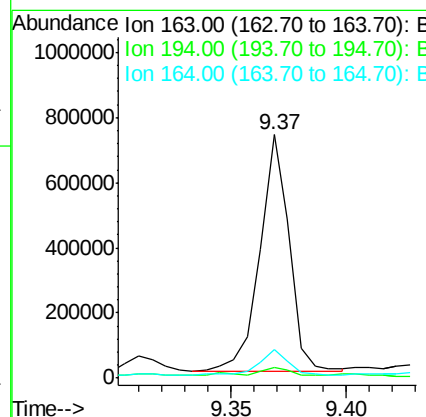
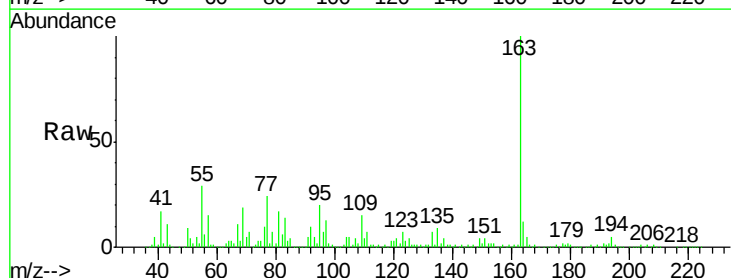
RT: 9.37 min Scan# 1238

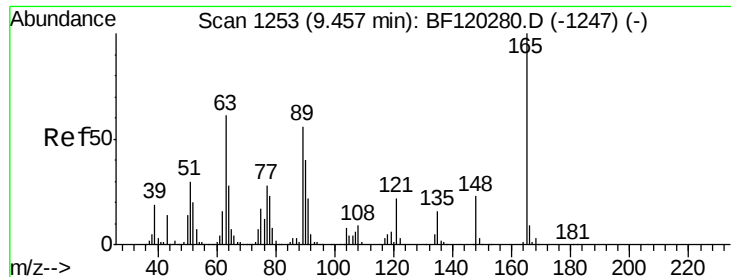
Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	163	Resp:	649655
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.1	4.7
164	11.9	8.6	12.8





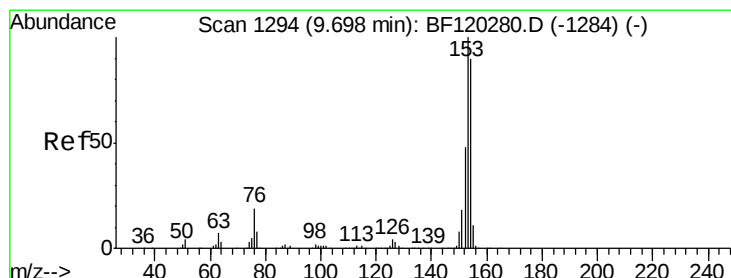
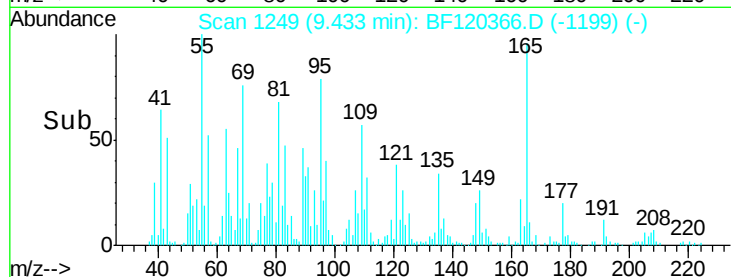
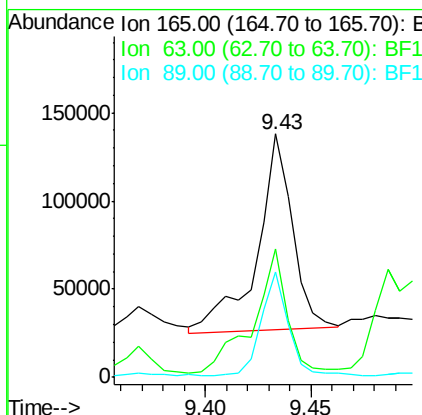
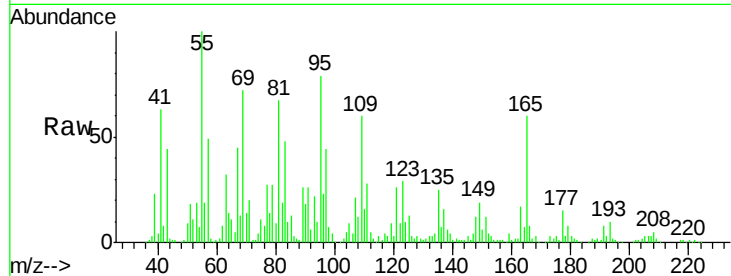
#51
 2,6-Dinitrotoluene
 Concen: 26.79 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	130765		
63	52.8	50.2	75.2	
89	43.2	44.6	66.8	

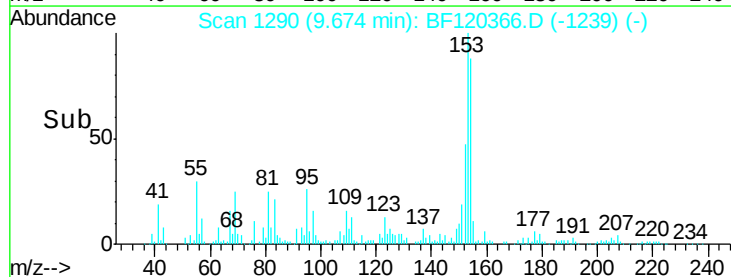
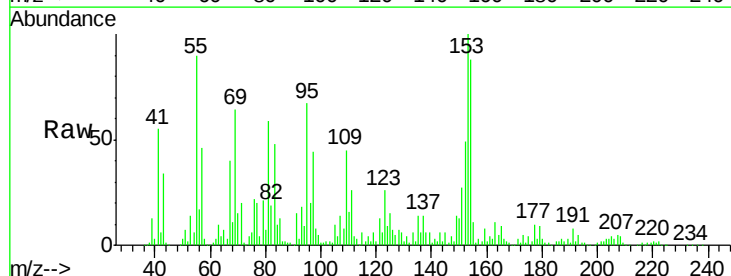
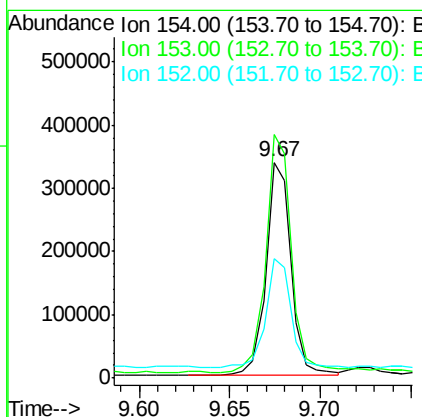
Manual Integrations
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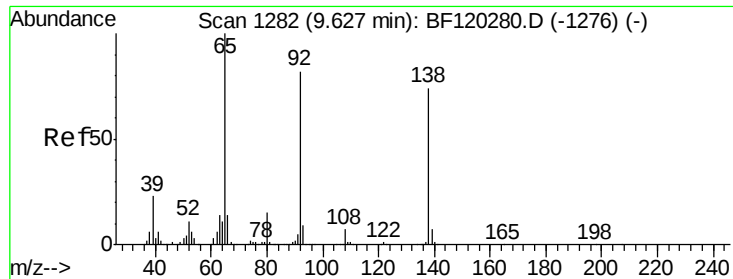
mohammad
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#52
 Acenaphthene
 Concen: 19.36 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	322380		
153	113.0	89.0	133.4	
152	55.5	42.6	64.0	





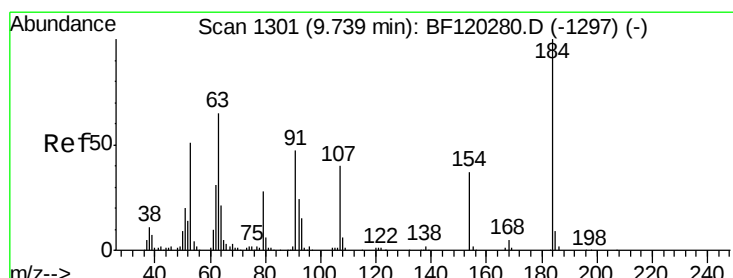
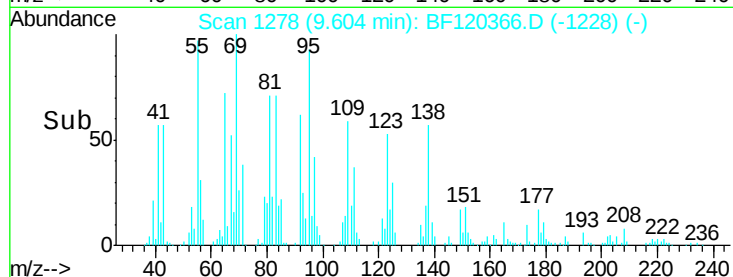
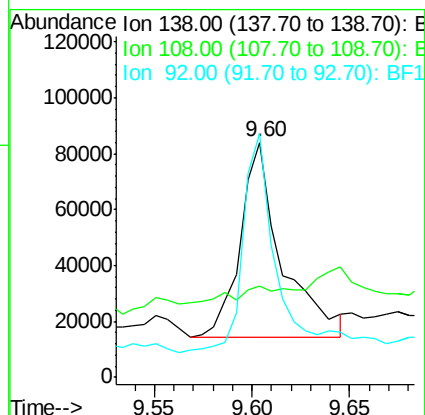
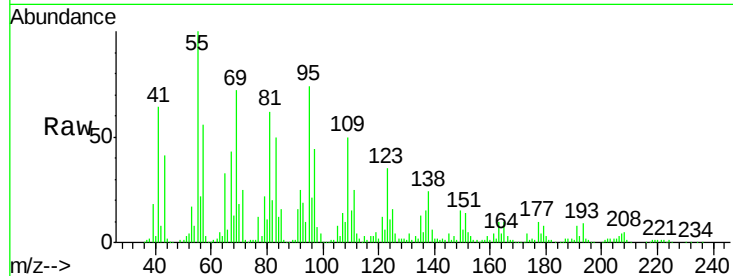
#53
3-Nitroaniline
Concen: 17.57 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:138 Resp: 102287
Ion Ratio Lower Upper
138 100
108 39.1 8.2 12.2#
92 103.5 89.6 134.4

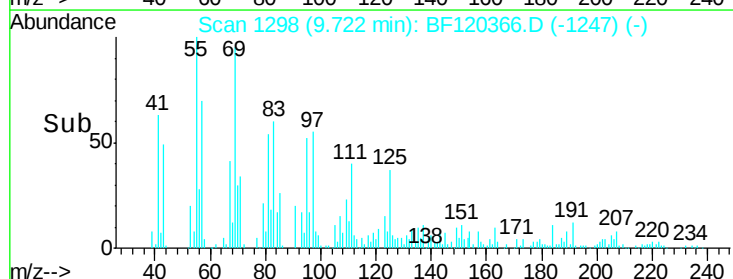
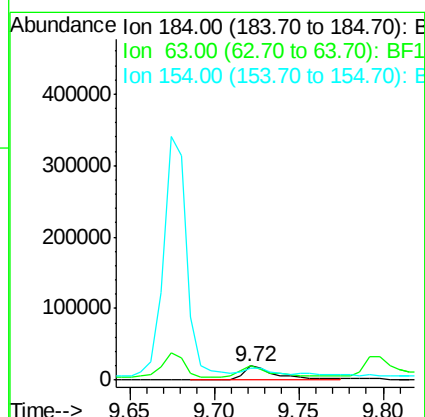
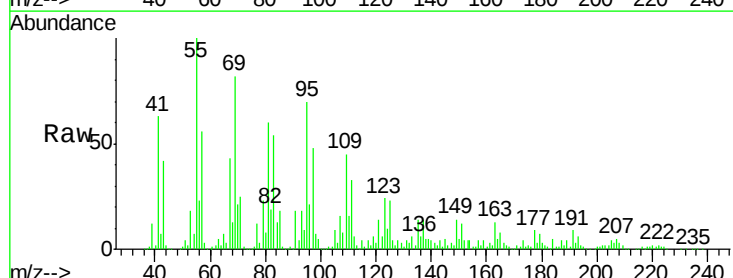
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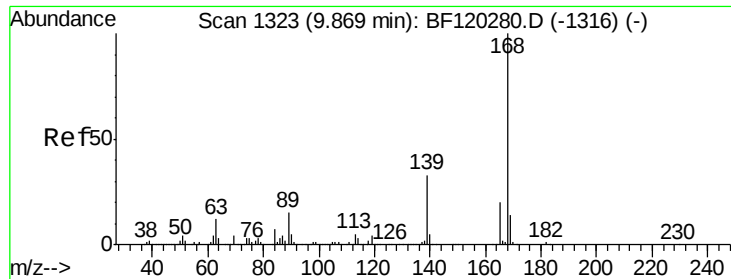
mohammad
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#54
2,4-Dinitrophenol
Concen: 12.35 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion:184 Resp: 28464
Ion Ratio Lower Upper
184 100
63 97.9 53.6 80.4#
154 85.4 46.8 70.2#





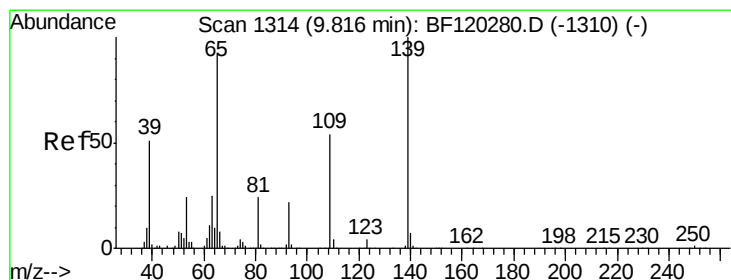
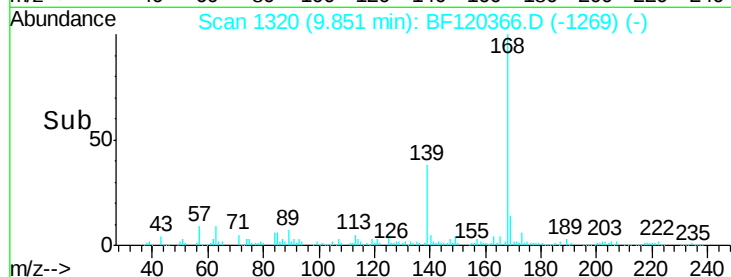
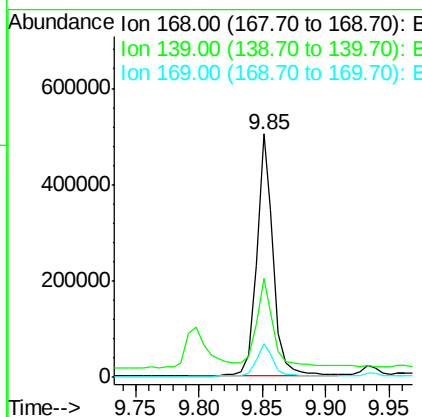
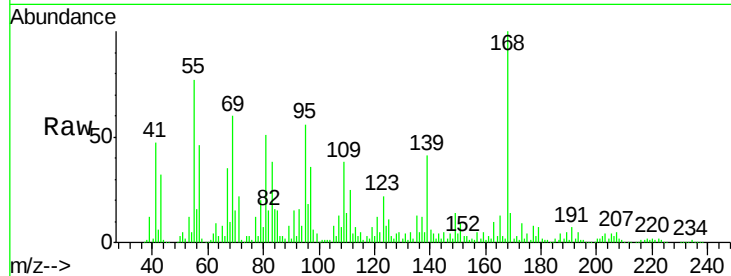
#55
Dibenzenofuran
Concen: 19.12 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	458538		
139	40.6	29.8	44.6	
169	13.9	11.0	16.6	

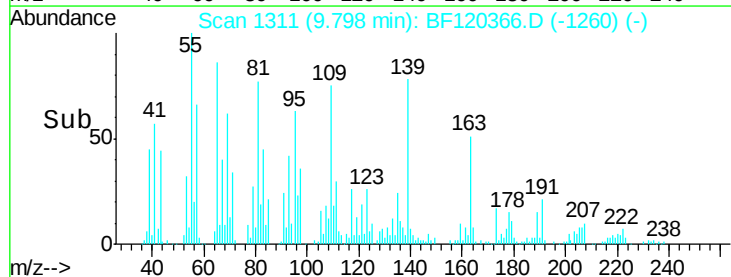
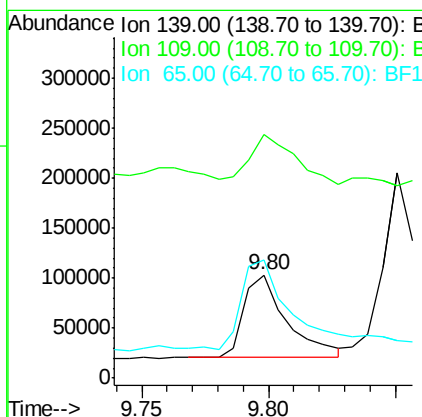
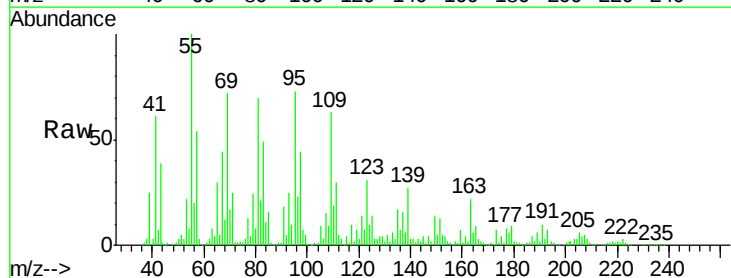
Manual Integrations
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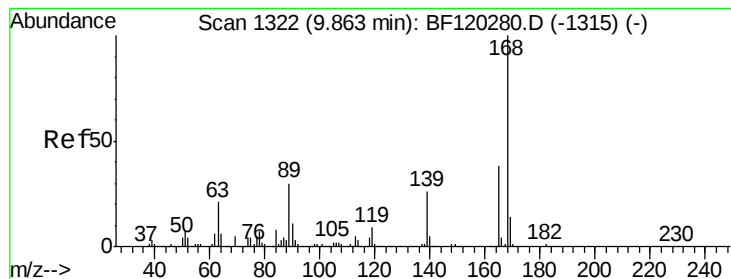
mohammad
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#56
4-Nitrophenol
Concen: 31.22 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

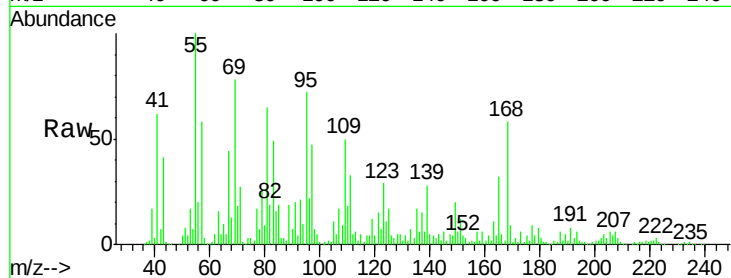
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	97660		
109	235.7	34.6	74.6#	
65	114.4	73.3	113.3#	





#57
 2,4-Dinitrotoluene
 Concen: 15.99 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

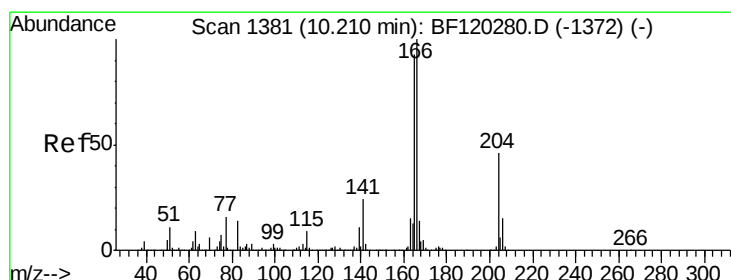
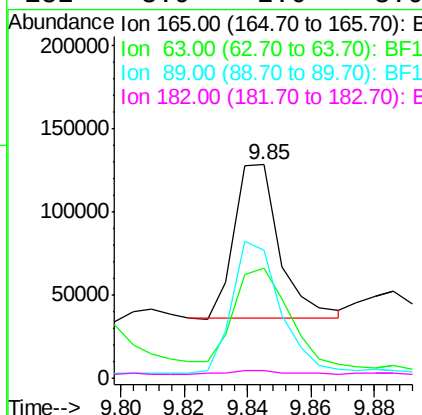
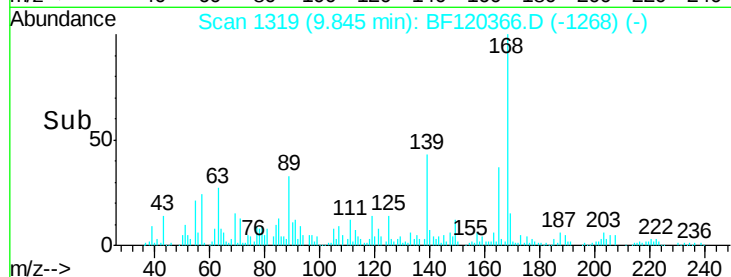
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD



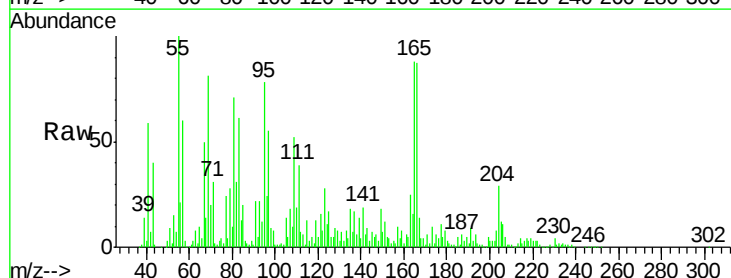
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	91587		
63	51.3	51.8	77.8#	
89	59.7	64.2	96.4#	
182	3.9	2.0	3.0#	

Manual Integrations
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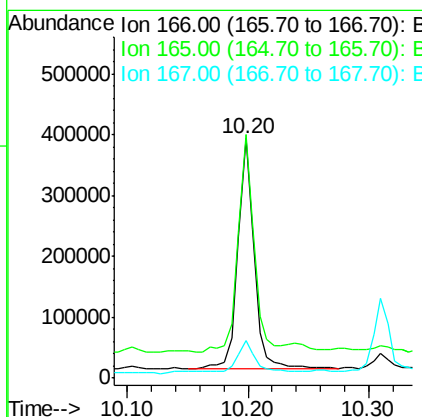
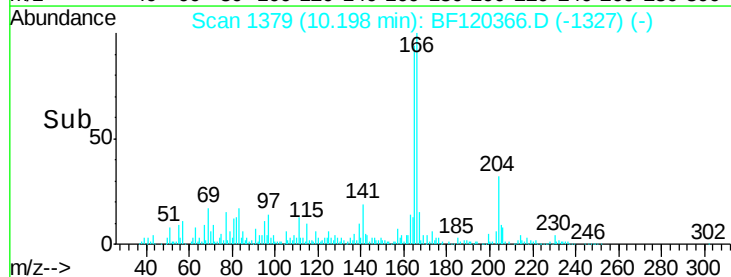
mohammad
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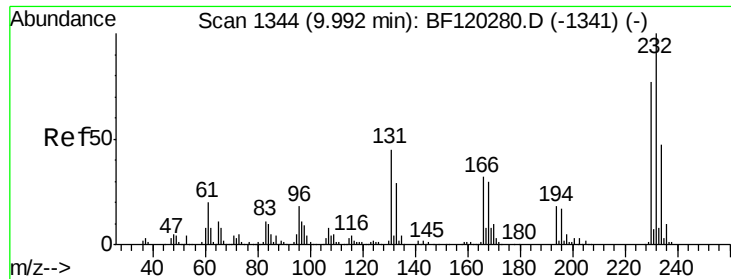


#58
 Fluorene
 Concen: 19.73 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	360235		
165	101.6	74.7	112.1	
167	15.8	11.4	17.0	





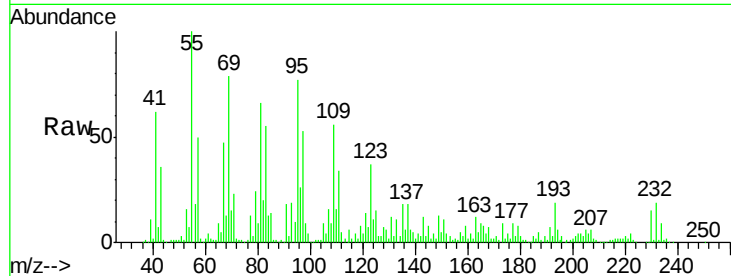
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 14.40 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

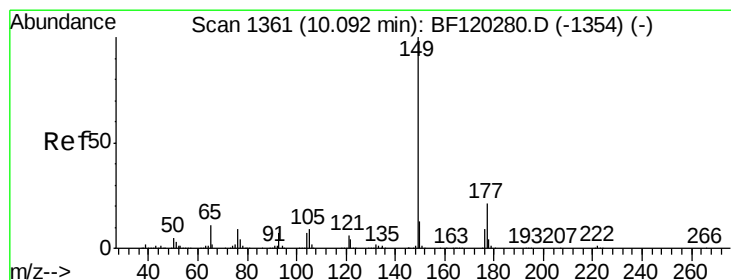
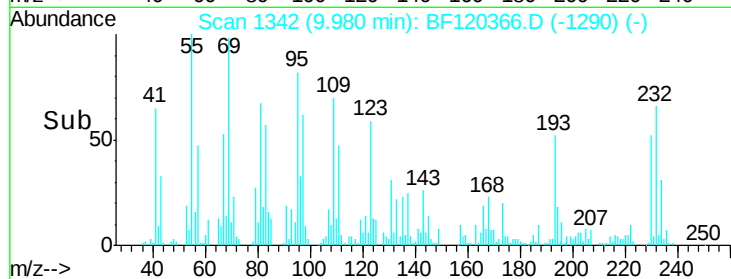
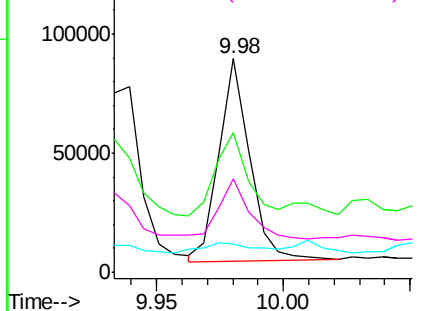
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	72871		
131	50.3	34.1	51.1	
130	9.7	1.7	2.5	
166	30.3	23.3	34.9	

Manual Integrations
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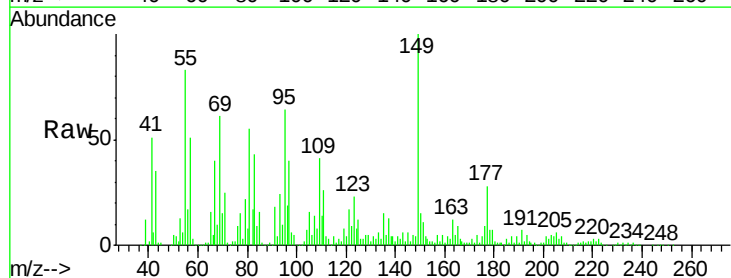


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

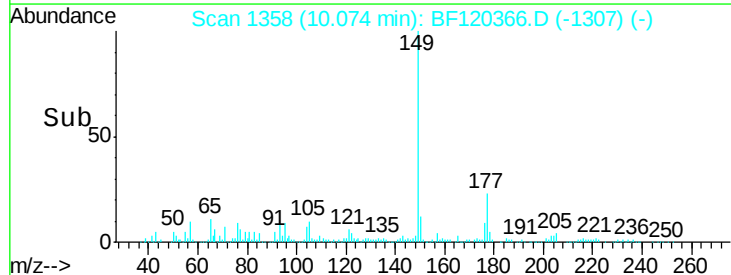
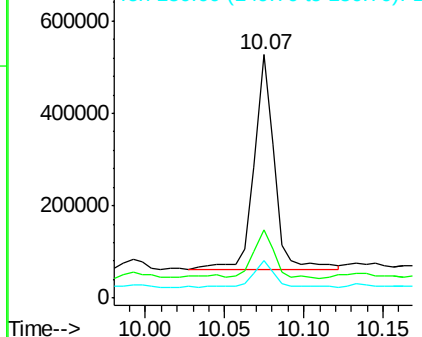


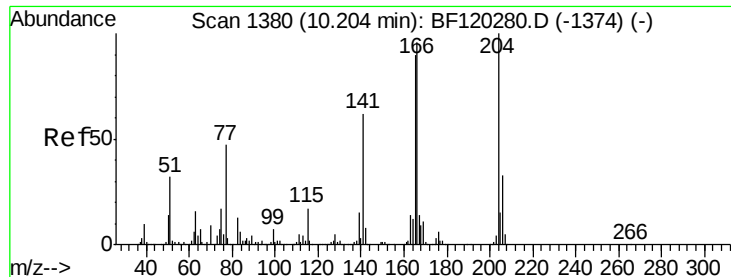
#60
 Diethylphthalate
 Concen: 19.49 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	411621		
177	28.1	17.1	25.7	
150	15.4	10.3	15.5	



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





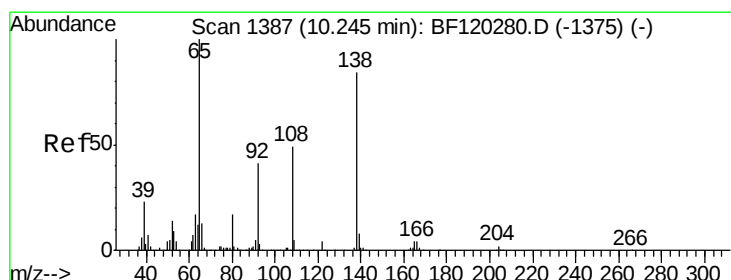
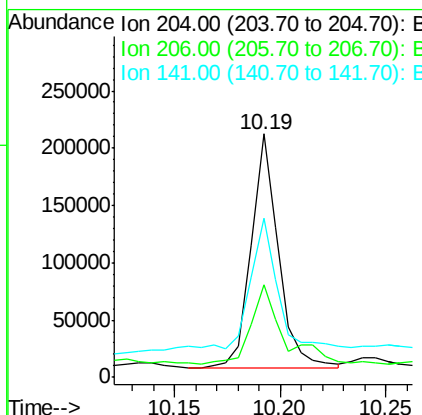
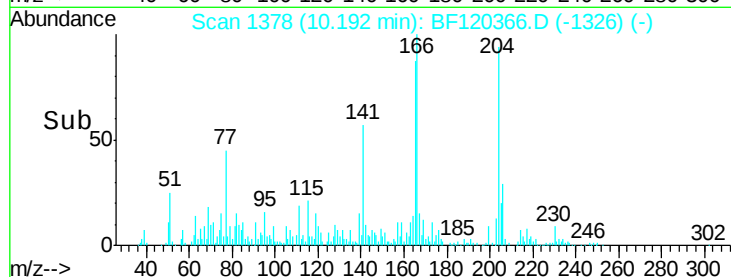
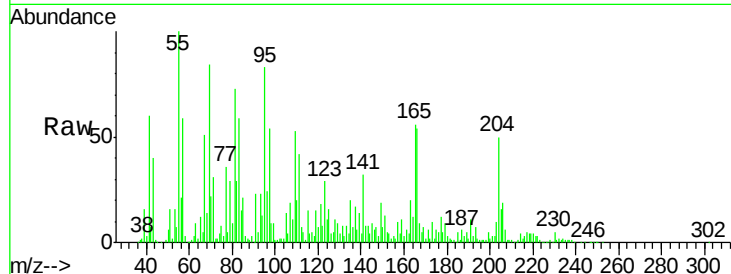
#61
4-Chlorophenyl-phenylether
Concen: 19.49 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	185053		
206	37.8	26.8	40.2	
141	65.4	49.5	74.3	

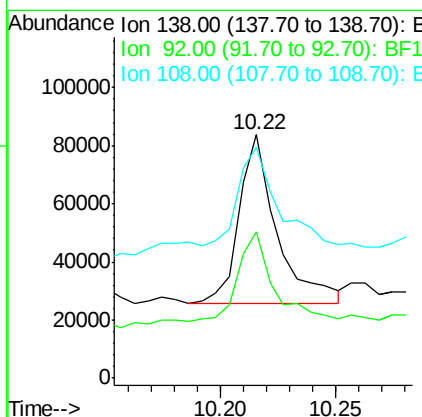
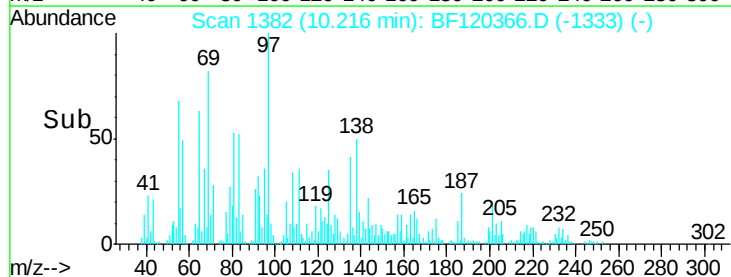
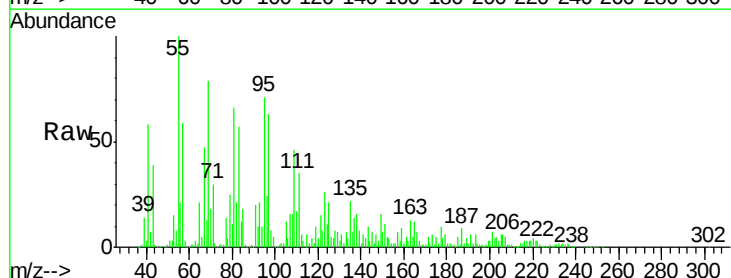
Manual Integrations
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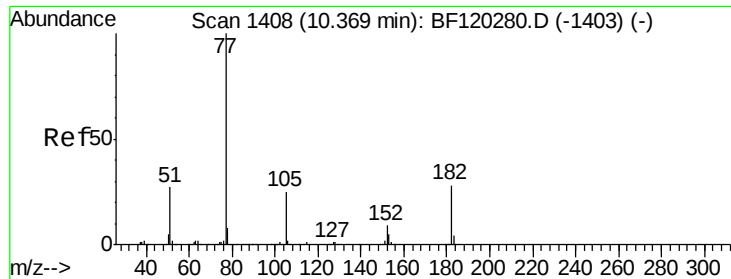
mohammad
5/20/2020 1:20:40 PM



#62
4-Nitroaniline
Concen: 12.36 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	66999		
92	60.2	28.9	68.9	
108	94.8	38.4	78.4	





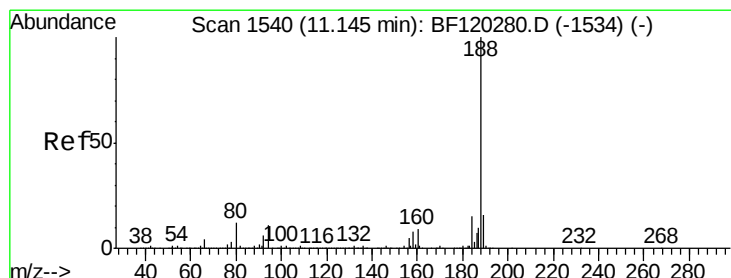
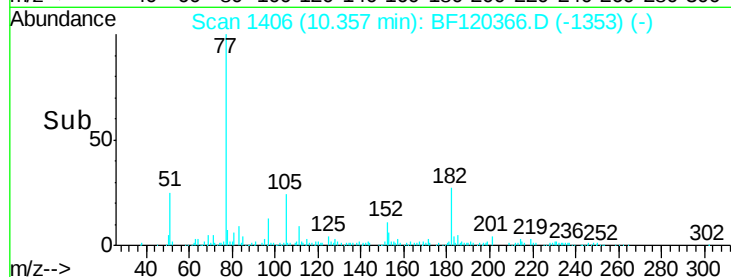
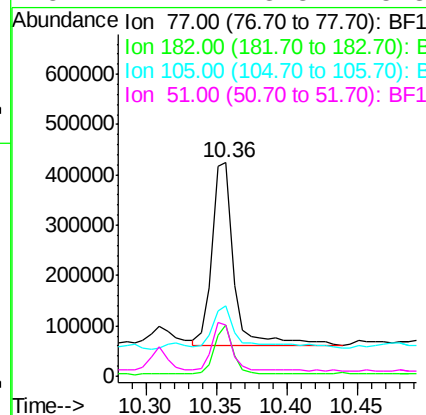
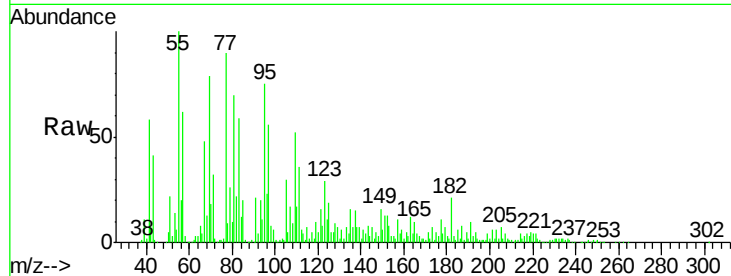
#63
Azobenzene
Concen: 19.76 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	394326		
182	23.8	7.4	47.4	
105	32.7	4.4	44.4	
51	24.2	8.3	48.3	

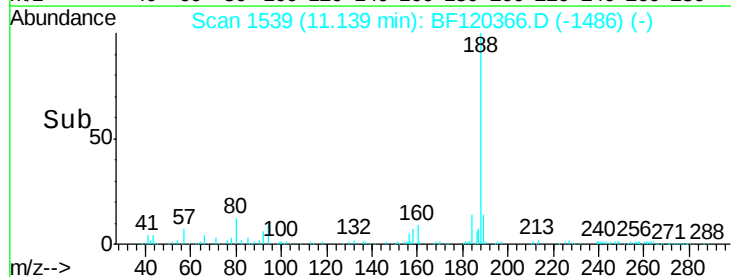
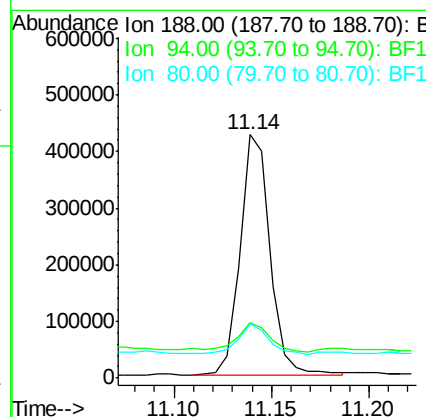
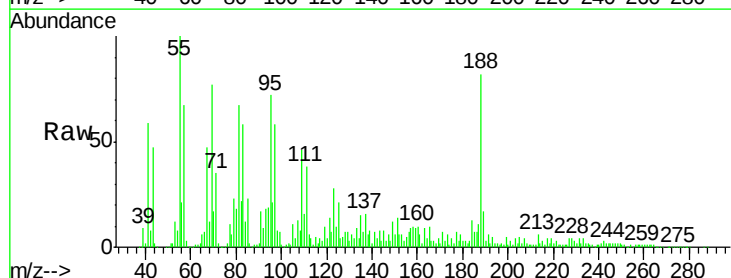
Manual Integrations
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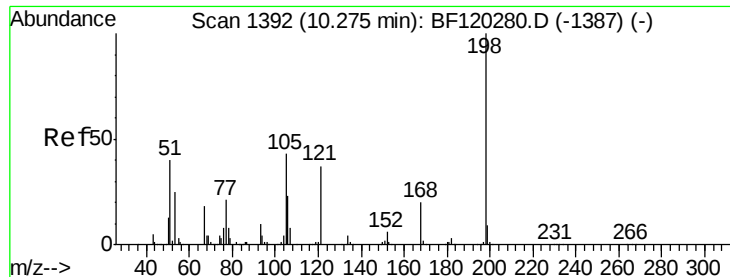
mohammad
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	447588		
94	22.6	8.6	13.0#	
80	22.4	9.2	13.8#	





#65

4,6-Dinitro-2-methylphenol

Concen: 10.86 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

Tgt Ion:198 Resp: 24580

Ion Ratio Lower Upper

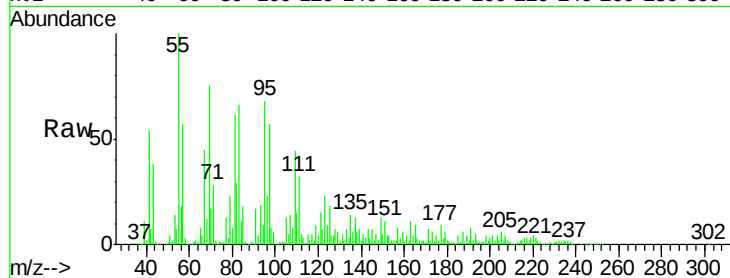
198 100

51 94.4 27.1 67.1#

105 289.0 24.3 64.3#

Manual Integrations
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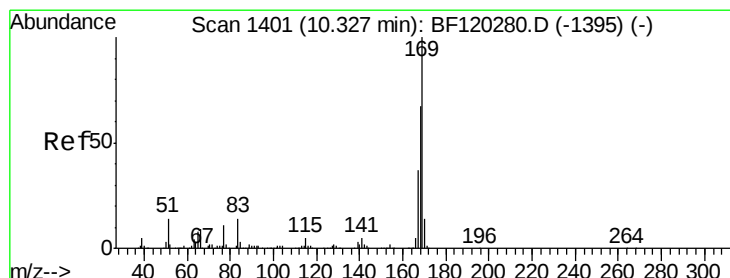
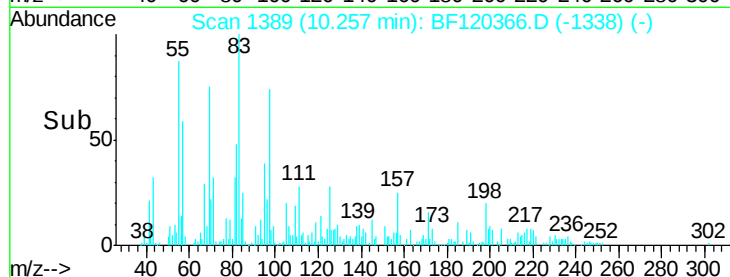
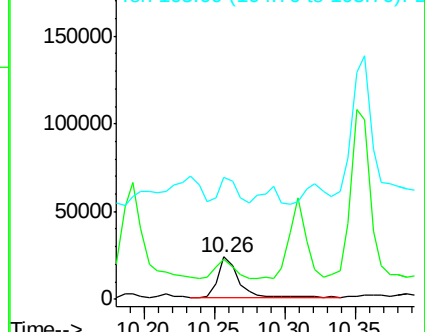
mohammad
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 25.59 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:169 Resp: 316898

Ion Ratio Lower Upper

169 100

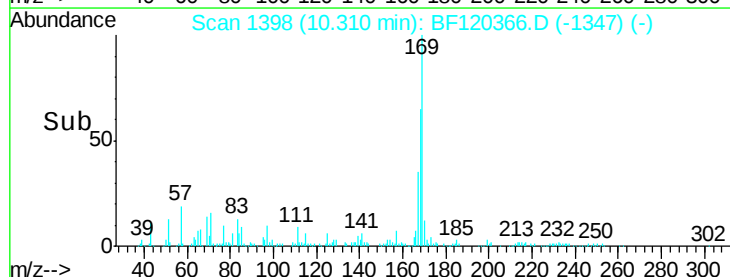
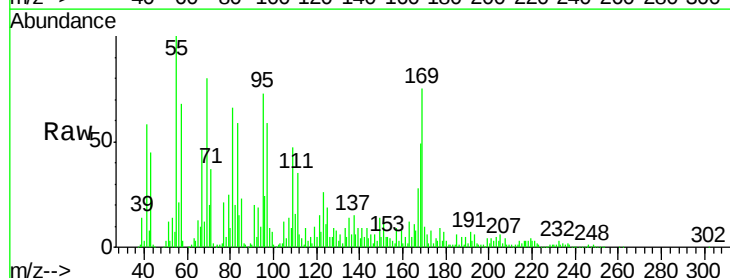
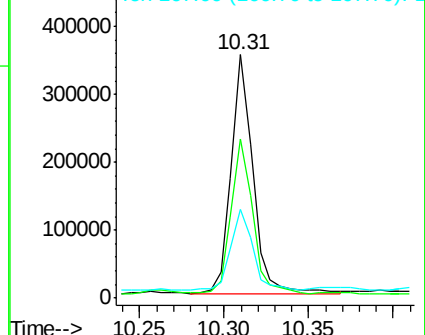
168 65.6 53.7 80.5

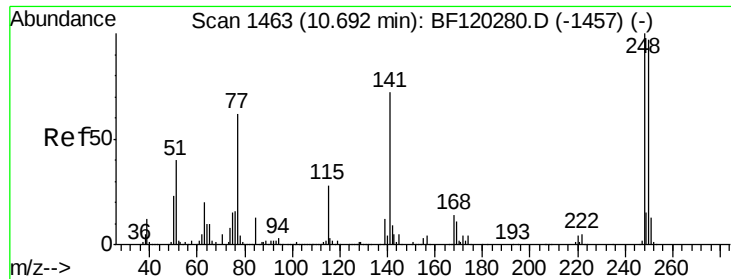
167 36.7 29.8 44.6

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





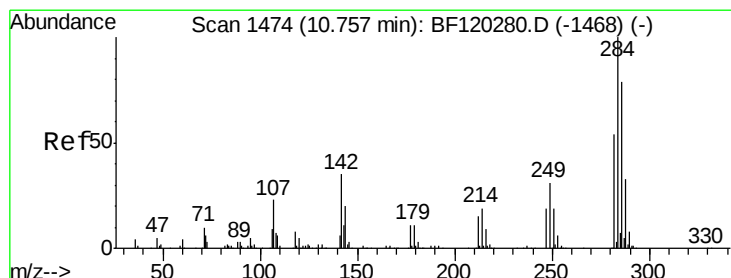
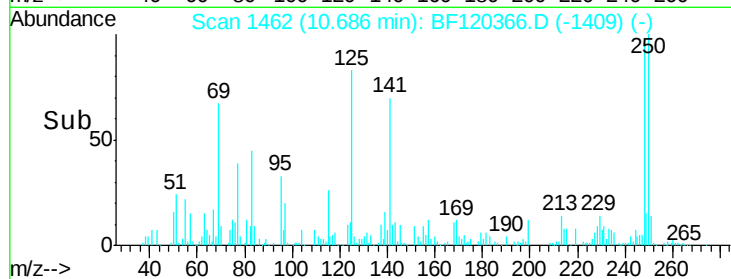
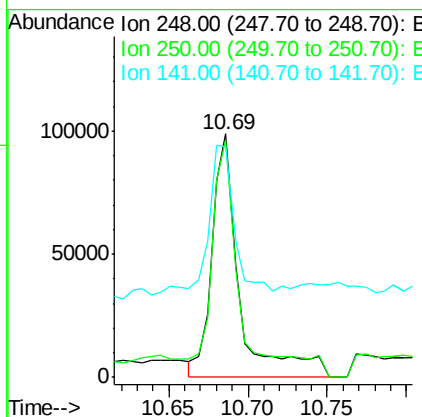
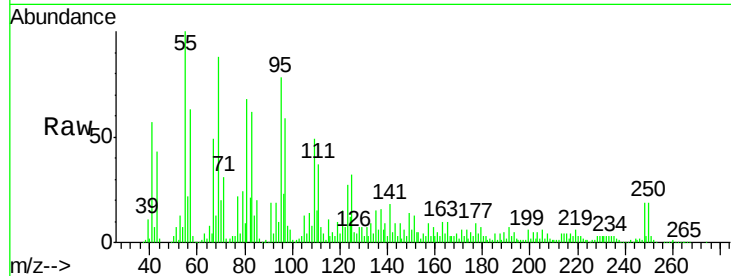
#67
 4-Bromophenyl-phenylether
 Concen: 27.42 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.6
141	95.0	57.7	86.5

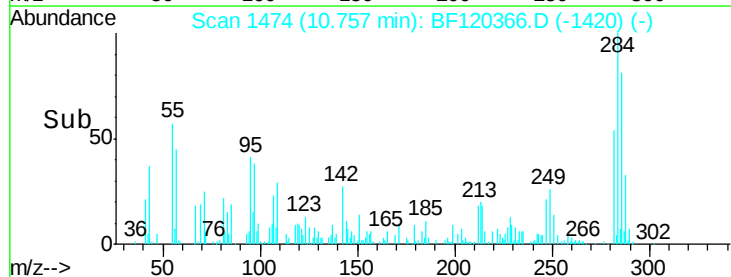
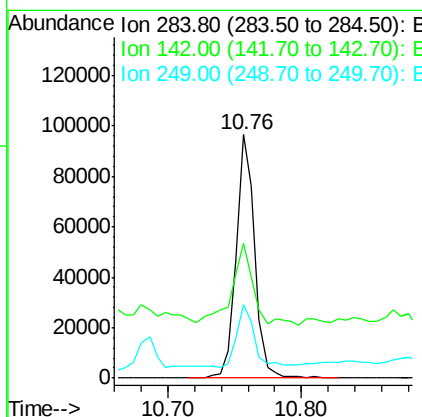
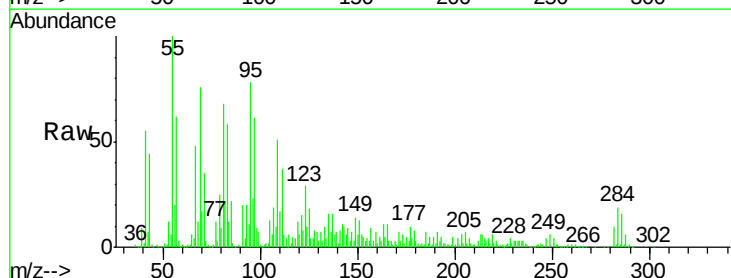
Manual Integrations
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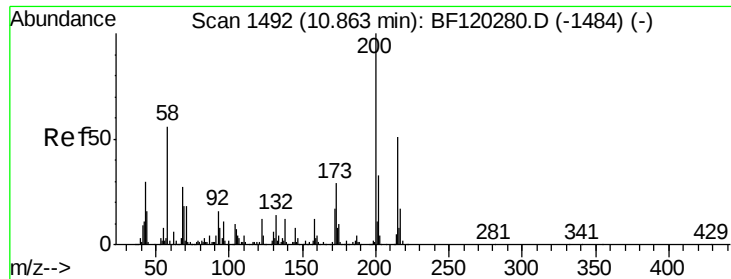
mohammad
 5/20/2020 1:20:40 PM



#68
 Hexachlorobenzene
 Concen: 20.70 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. 0.02 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
284	100		
142	55.1	28.5	42.7
249	29.9	24.8	37.2





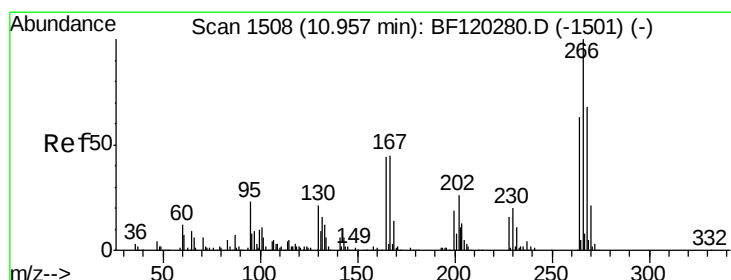
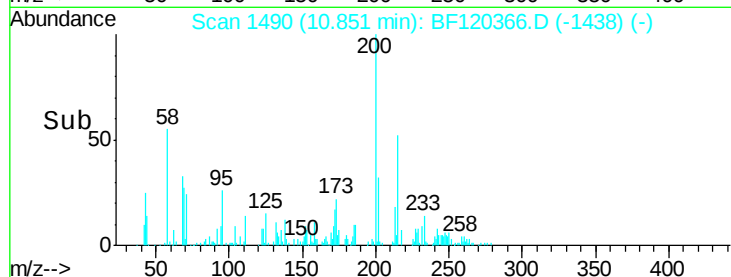
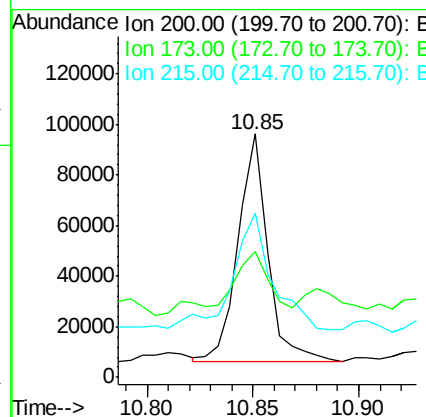
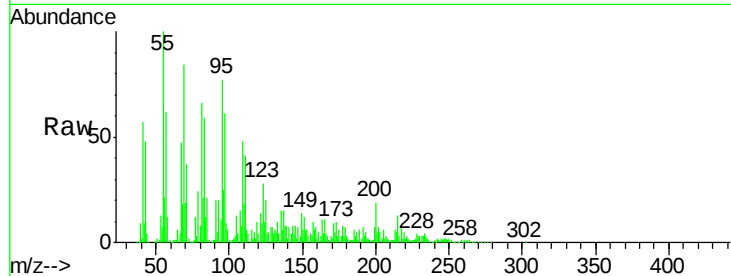
#69
Atrazine
Concen: 23.62 ng
RT: 10.85 min Scan# 1490
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	87512		
173	51.7	8.7	48.7#	
215	67.4	30.6	70.6	

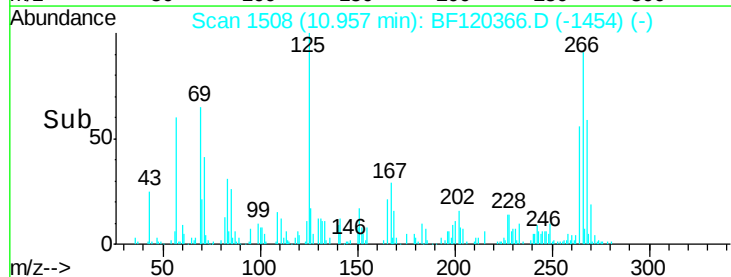
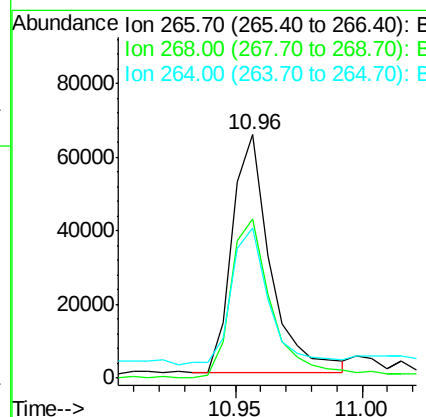
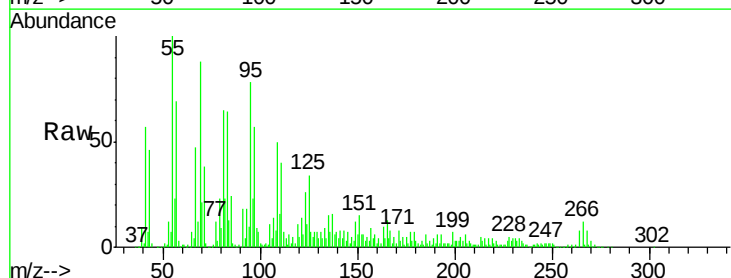
Manual Integrations
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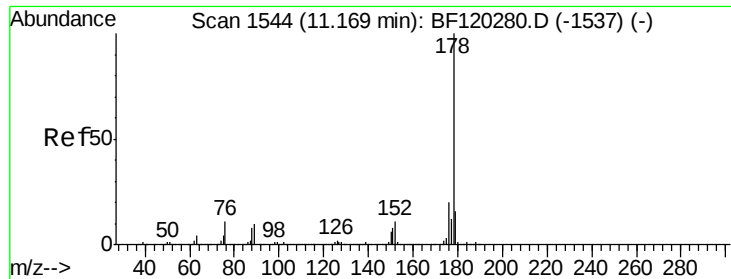
mohammad
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#70
Pentachlorophenol
Concen: 35.25 ng
RT: 10.96 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	68117		
268	65.5	54.2	81.4	
264	61.6	50.2	75.4	





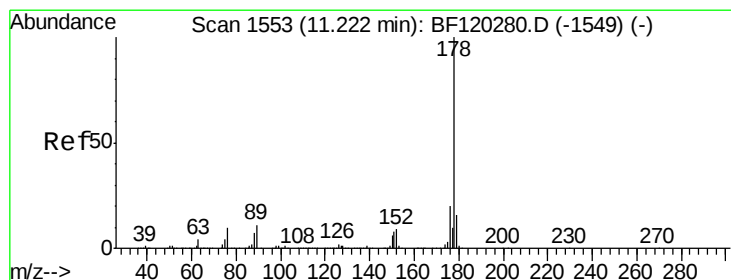
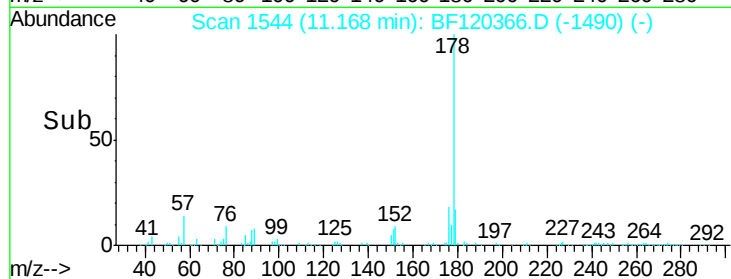
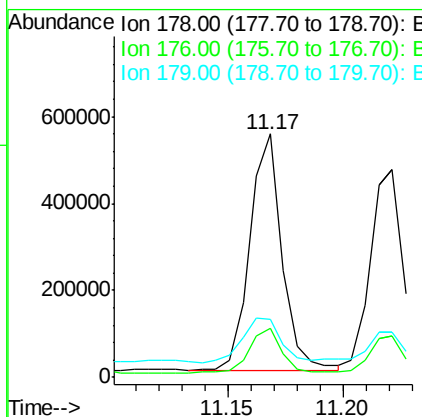
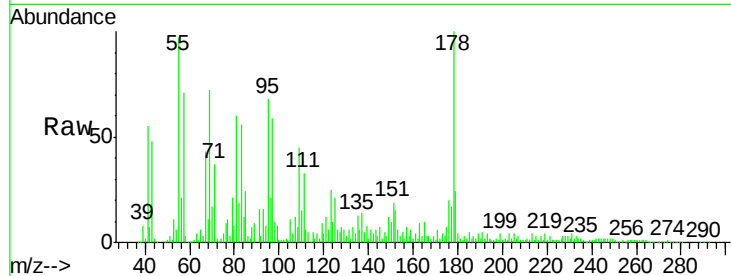
#71
Phenanthrene
Concen: 28.12 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.02 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	23.8	12.8	19.2

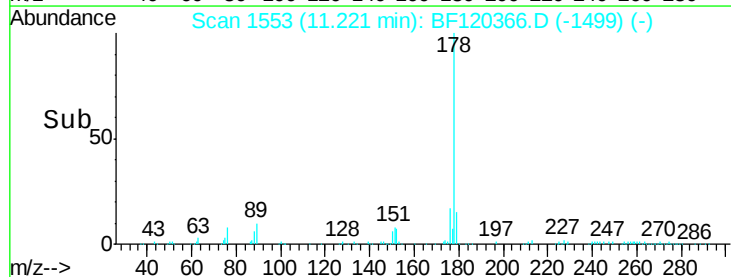
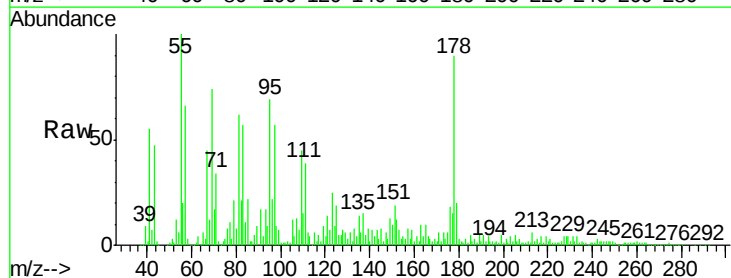
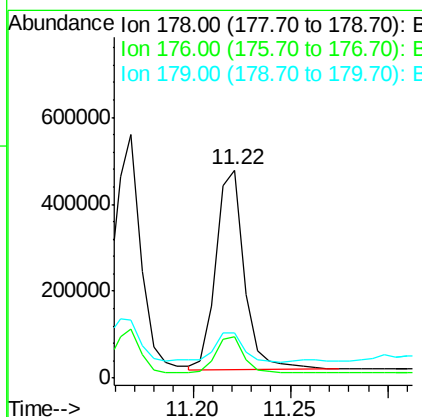
Manual Integrations
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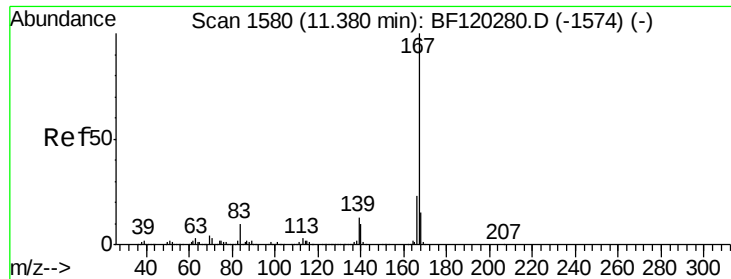
mohammad
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#72
Anthracene
Concen: 23.21 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.02 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	21.8	13.0	19.6





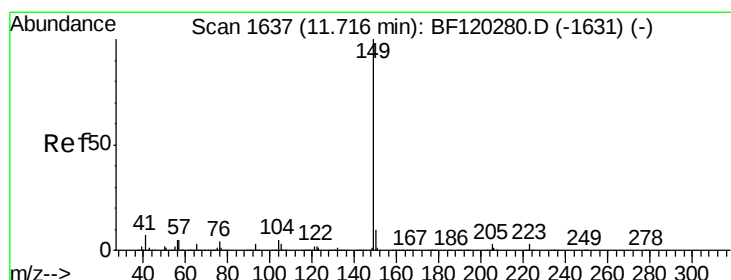
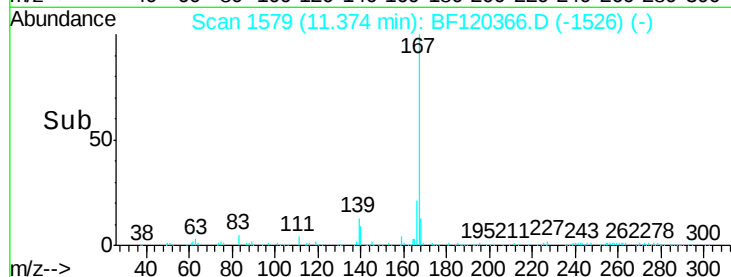
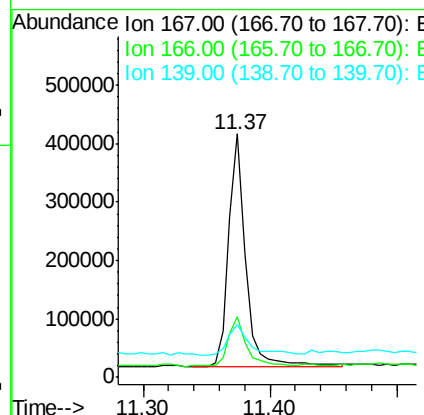
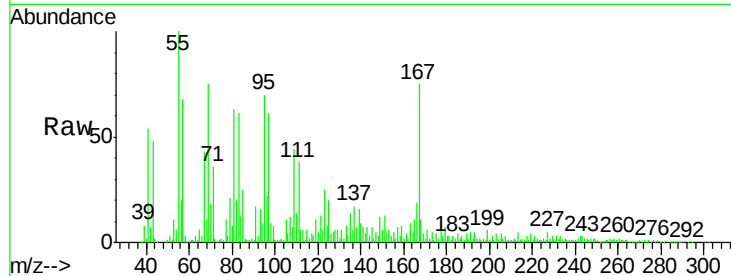
#73
 Carbazole
 Concen: 19.73 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	371126		
166	25.0	18.1	27.1	
139	21.9	10.6	15.8	

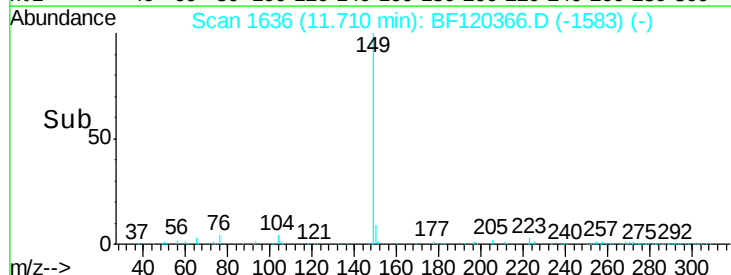
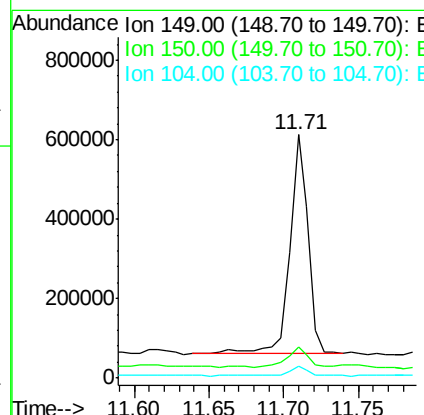
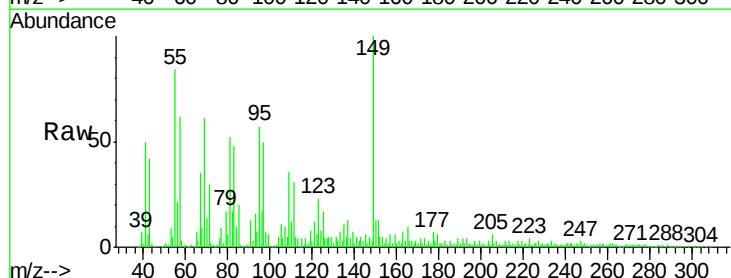
Manual Integrations
 APPROVED

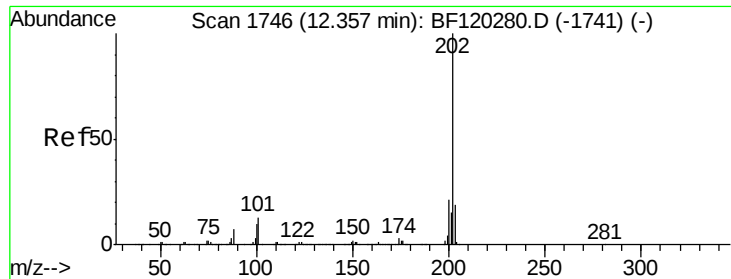
mohammad
 5/20/2020 1:20:40 PM



#74
 Di-n-butylphthalate
 Concen: 21.20 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	480601		
150	12.8	8.2	12.4	
104	4.9	3.8	5.8	





#75

Fluoranthene

Concen: 49.18 ng

RT: 12.36 min Scan# 1746

Delta R.T. 0.02 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

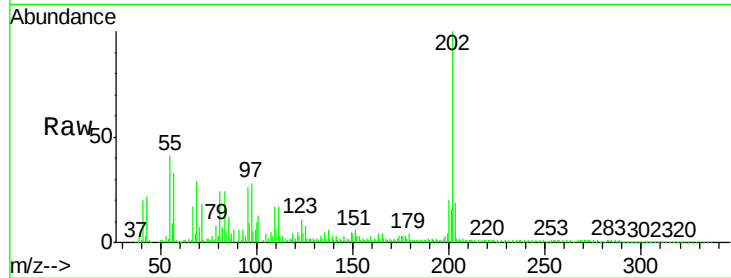
ClientSampleId :

VNJ-214MSD

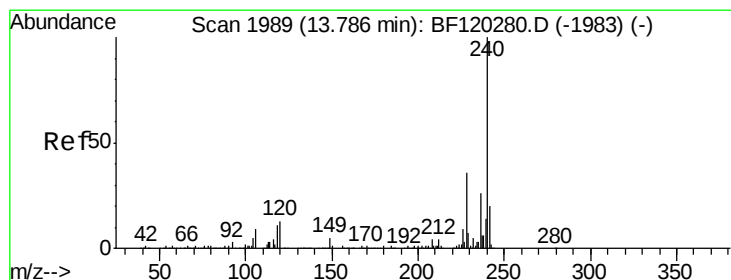
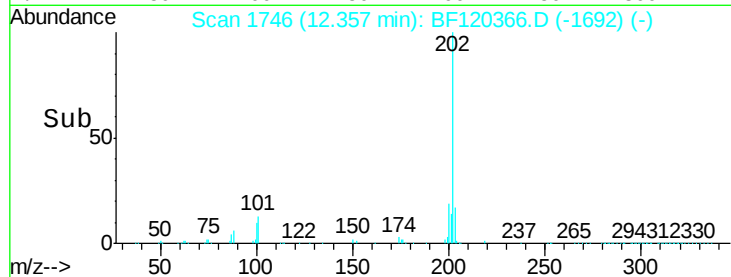
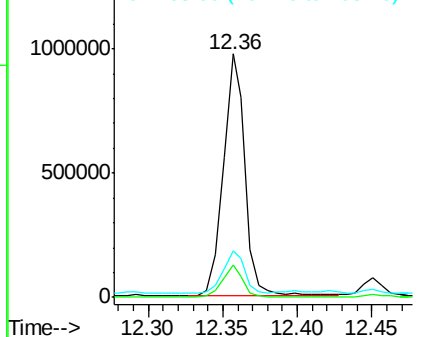
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		991458		
101	13.1	0.0	33.2		
203	19.1	0.0	39.1		

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



#76

Chrysene-d12

Concen: 20.00 ng

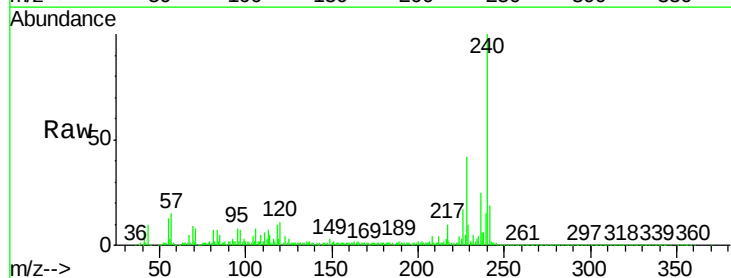
RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

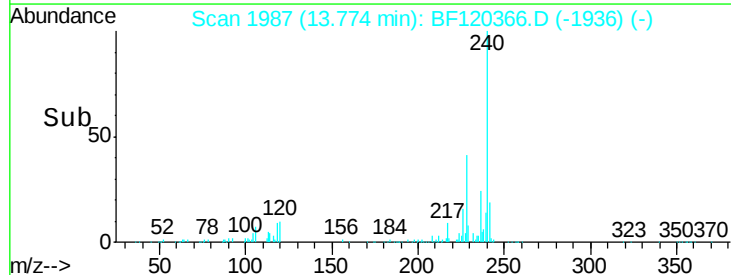
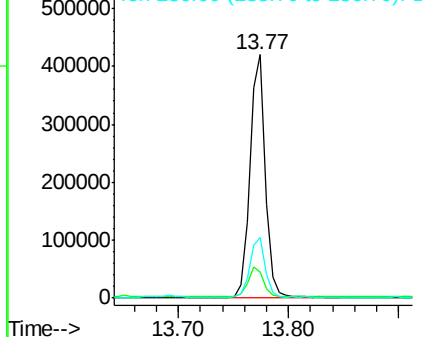
Lab File: BF120366.D

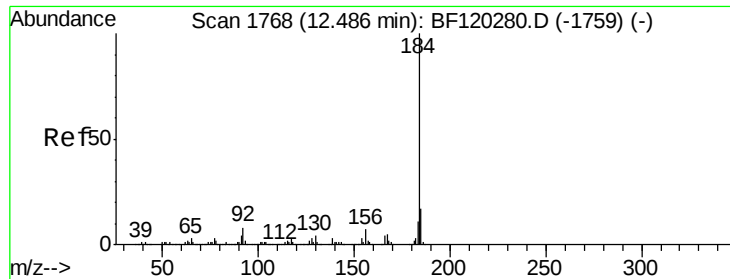
Acq: 19 May 2020 16:15

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		406751		
120	10.7	10.4	15.6		
236	24.8	21.0	31.6		



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





#77

Benzidine

Concen: 2.05 ng

RT: 12.48 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

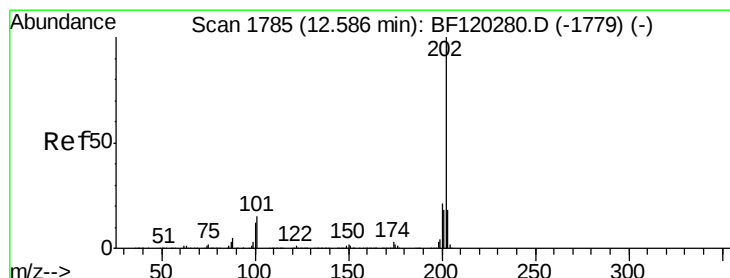
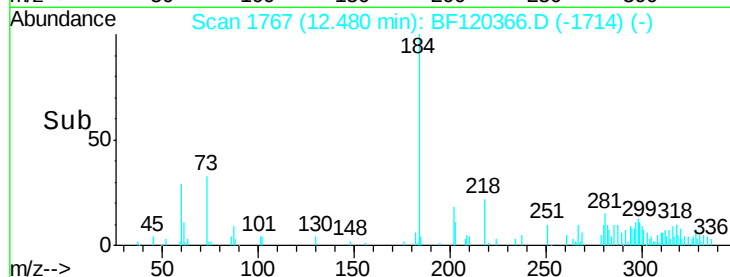
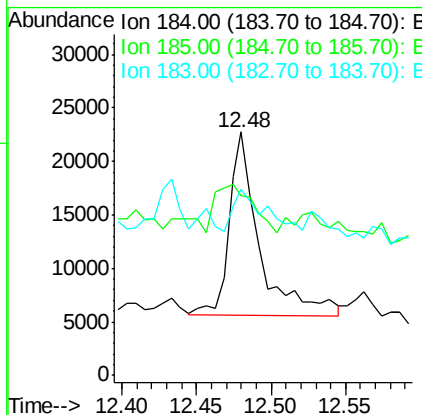
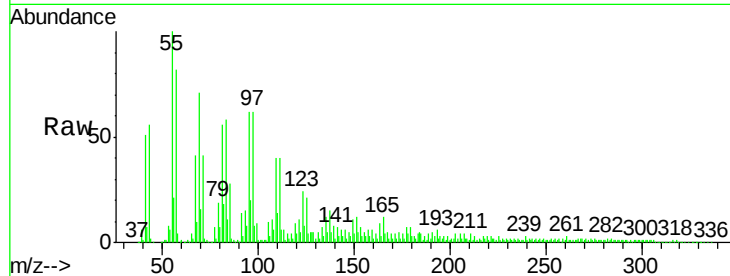
ClientSampleId :

VNJ-214MSD

Tgt Ion:	184	Resp:	24337
Ion Ratio	Lower	Upper	
184	100		
185	73.6	13.7	20.5#
183	76.4	8.7	13.1#

Manual Integrations
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#78

Pyrene

Concen: 33.55 ng

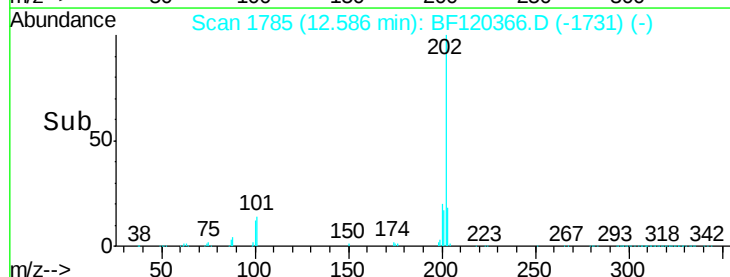
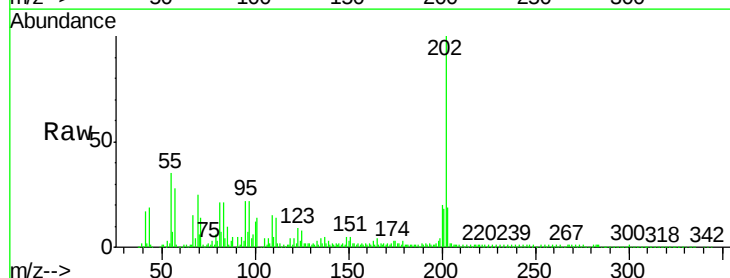
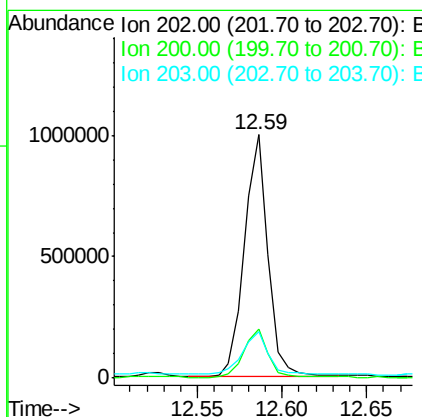
RT: 12.59 min Scan# 1785

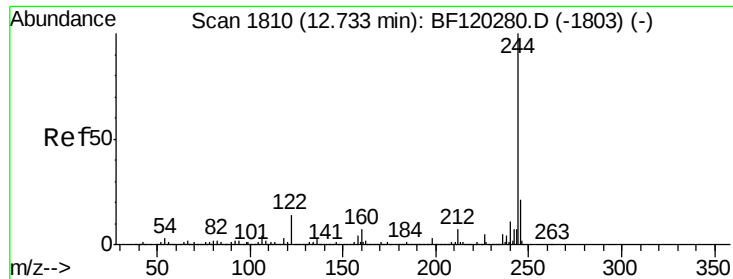
Delta R.T. 0.02 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	202	Resp:	972932
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.6	25.0
203	19.3	14.6	22.0





#79

Terphenyl-d14

Concen: 35.95 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

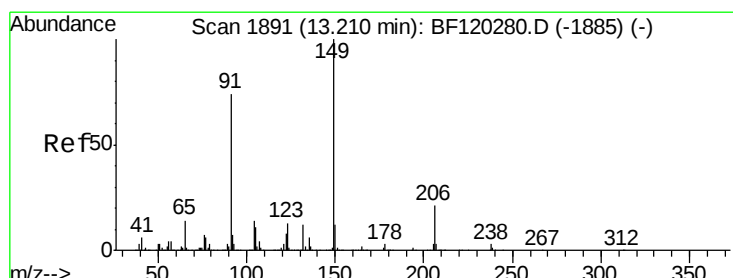
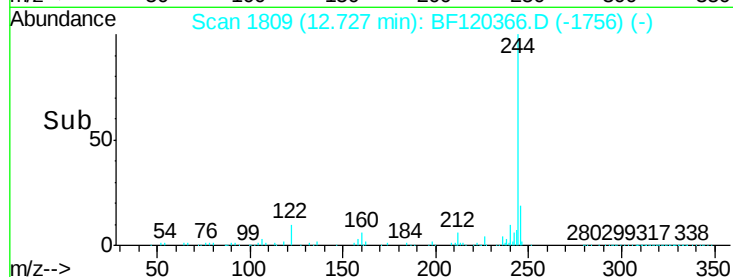
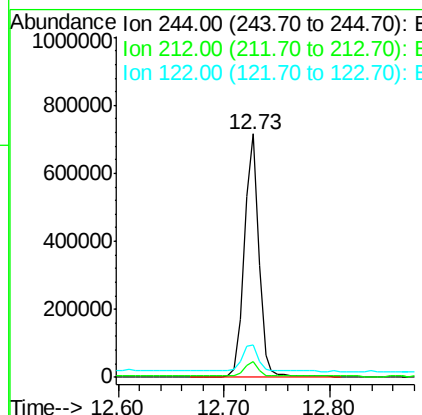
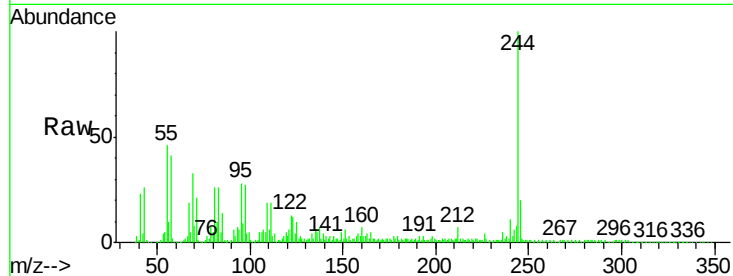
ClientSampleId :

VNJ-214MSD

Tgt Ion:	244	Resp:	661864
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.6
122	13.5	10.8	16.2

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#80

Butylbenzylphthalate

Concen: 16.08 ng

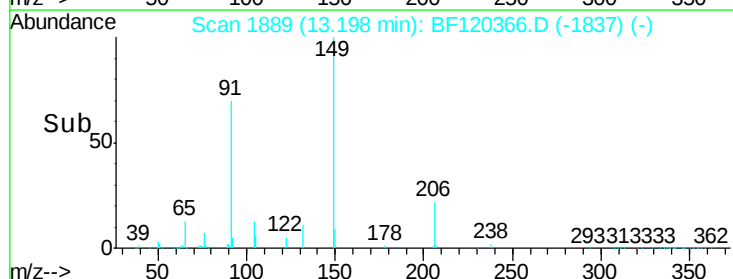
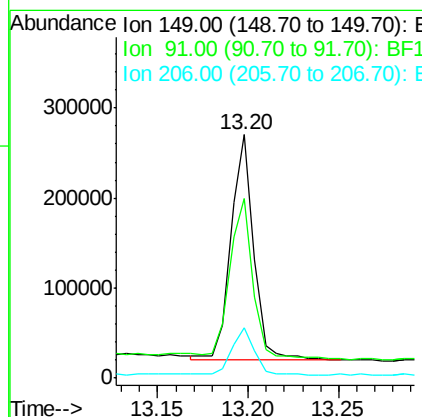
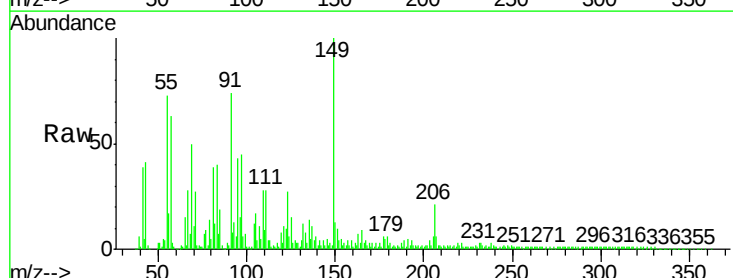
RT: 13.20 min Scan# 1889

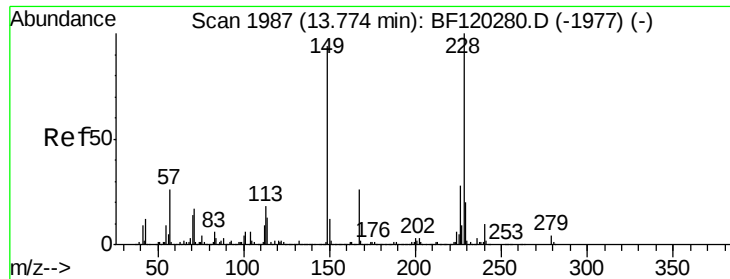
Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	149	Resp:	219620
Ion Ratio	Lower	Upper	
149	100		
91	73.9	59.0	88.4
206	20.6	16.8	25.2





#81

Benzo(a)anthracene

Concen: 42.05 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

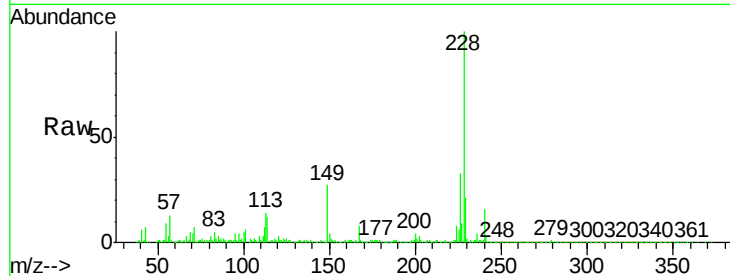
ClientSampleId :

VNJ-214MSD

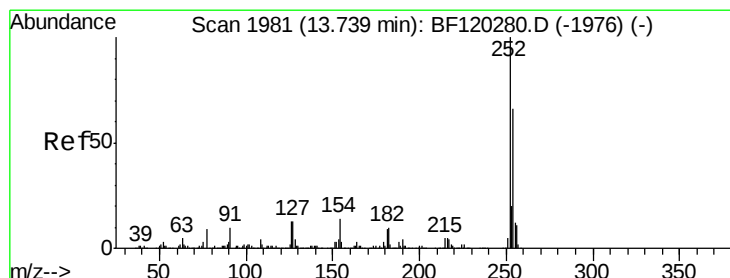
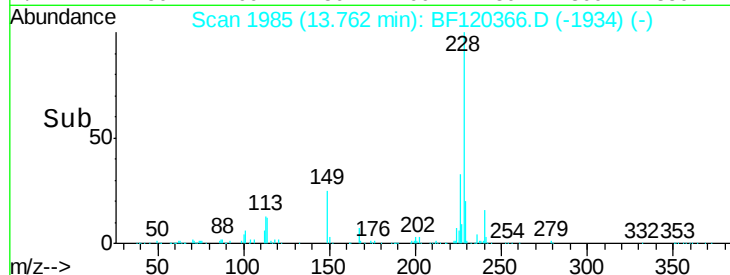
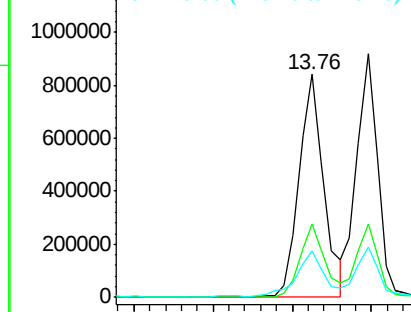
Tgt Ion:	228	Resp:	902180
Ion Ratio	Lower	Upper	
228	100		
226	33.0	22.6	33.8
229	20.7	16.4	24.6

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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: 11.68 ng

RT: 13.73 min Scan# 1979

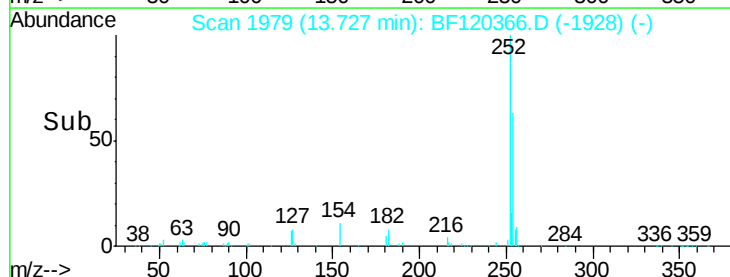
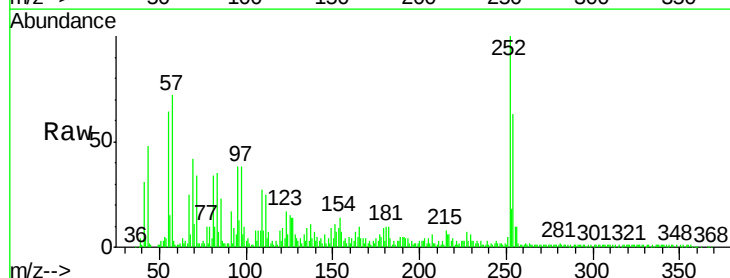
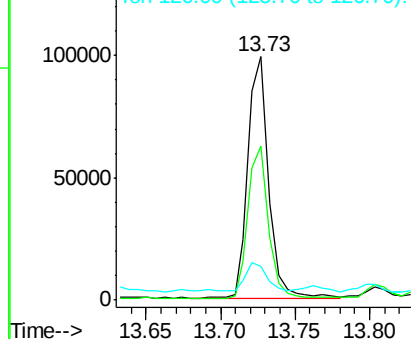
Delta R.T. -0.00 min

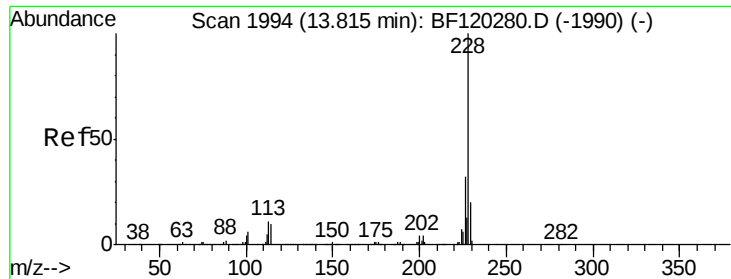
Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion:	252	Resp:	94400
Ion Ratio	Lower	Upper	
252	100		
254	63.3	52.6	78.8
126	13.7	10.7	16.1

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





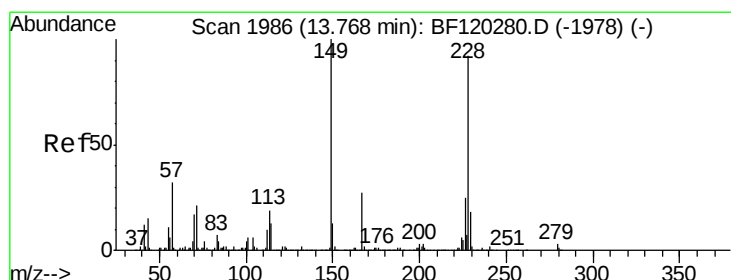
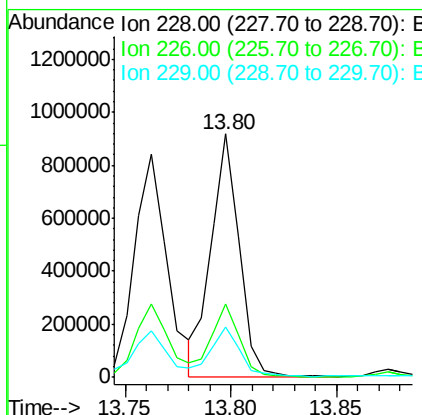
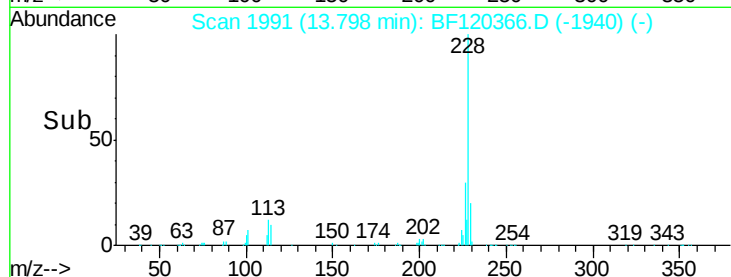
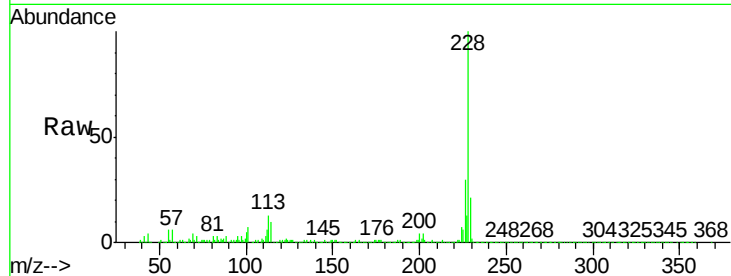
#83
Chrysene
Concen: 36.81 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.7	16.2	24.4

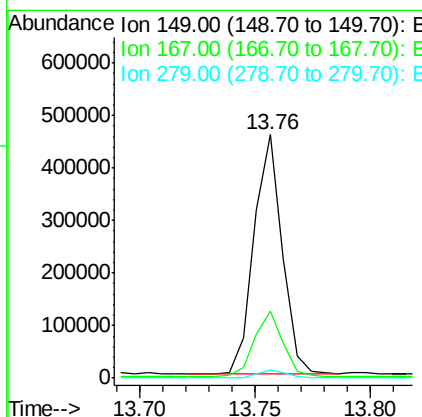
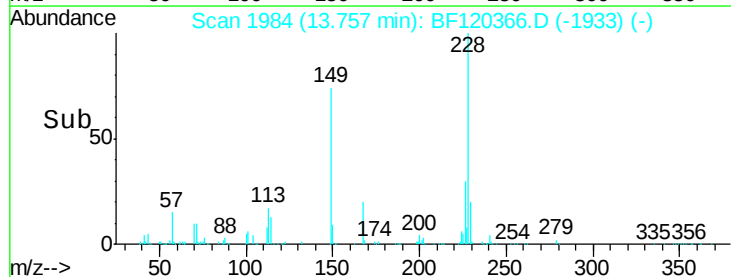
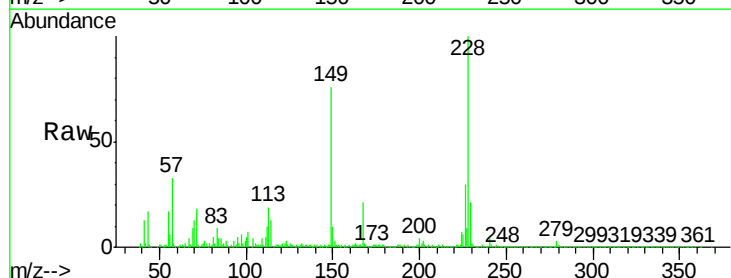
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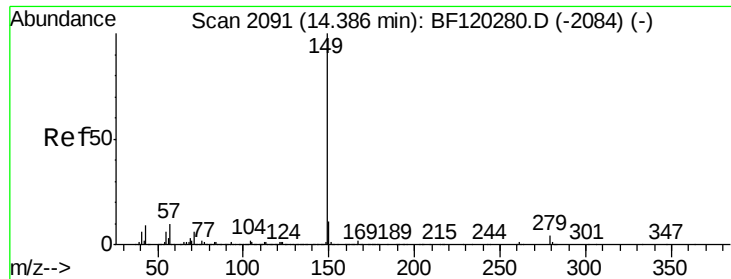
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#84
Bis(2-ethylhexyl)phthalate
Concen: 22.82 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.8	32.8
279	3.5	2.8	4.2





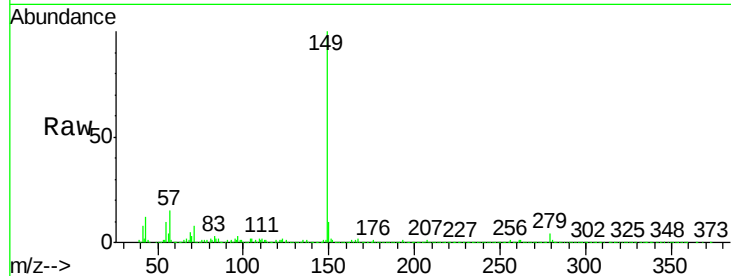
#85
Di-n-octyl phthalate
Concen: 18.15 ng
RT: 14.37 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

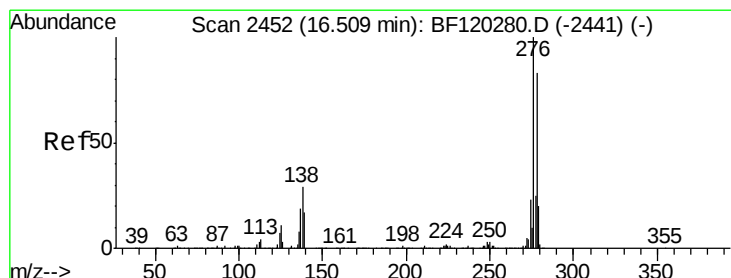
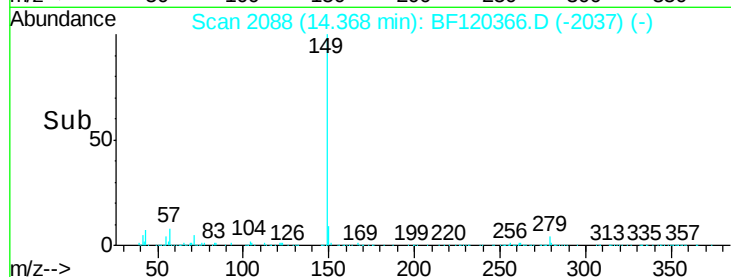
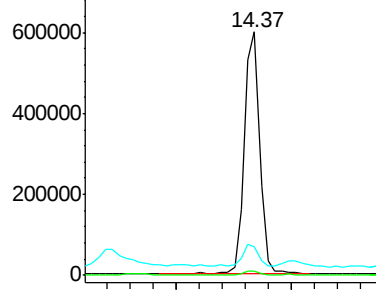
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	554808		
167	1.7		1.3	1.9
43	8.9		7.5	11.3

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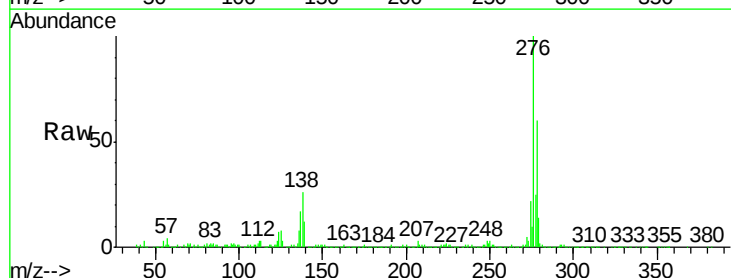


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

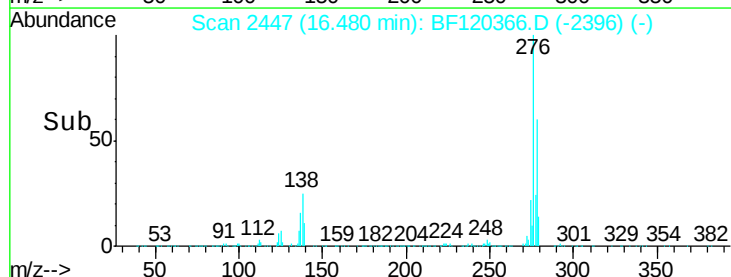
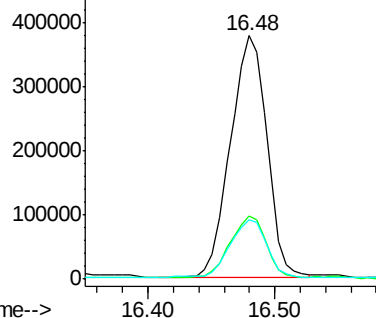


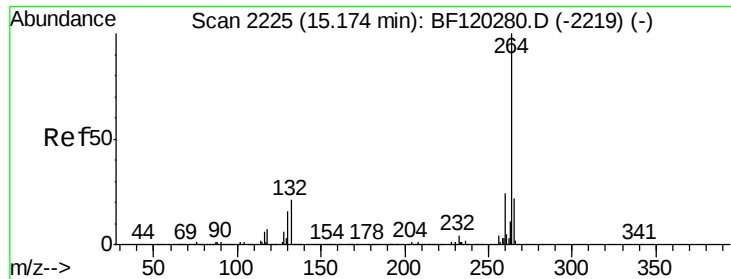
#86
Indeno(1,2,3-cd)pyrene
Concen: 36.18 ng
RT: 16.48 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	756366		
138	25.3		23.3	34.9
277	24.4		20.2	30.4



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





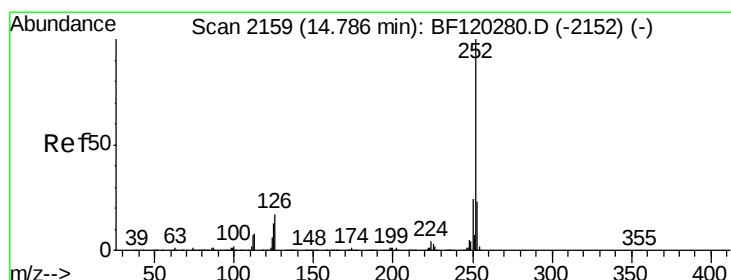
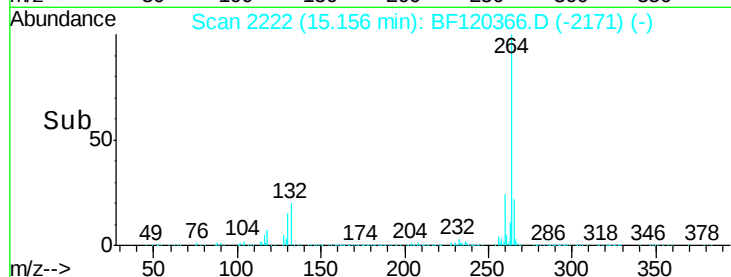
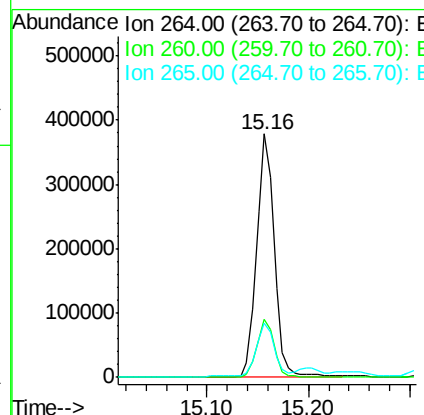
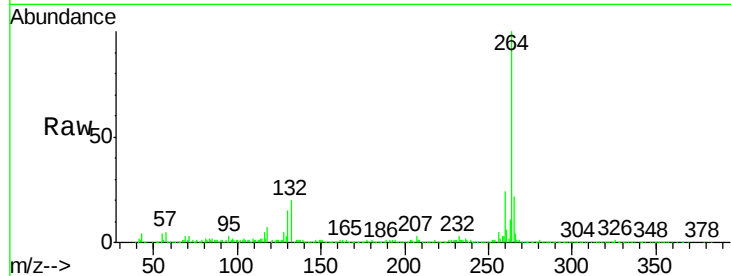
#87
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.5	17.5	26.3

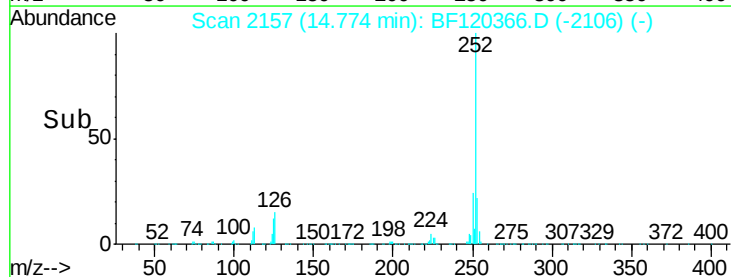
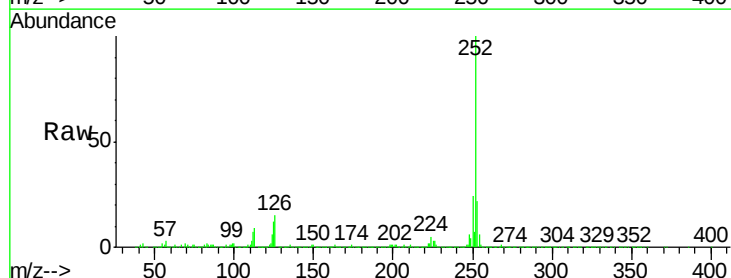
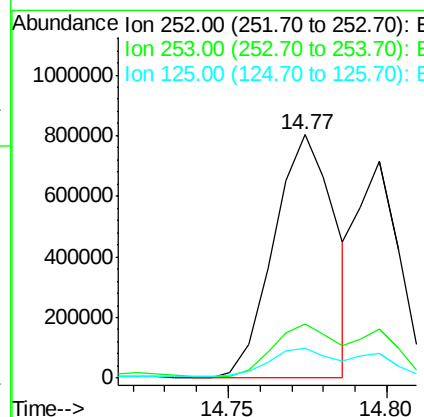
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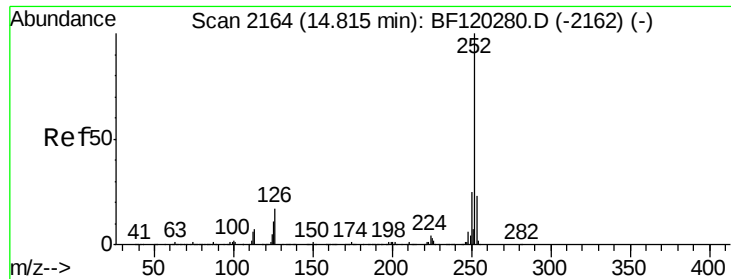
mohammad
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#88
Benzo(b)fluoranthene
Concen: 42.98 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.2	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 30.50 ng m

RT: 14.80 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

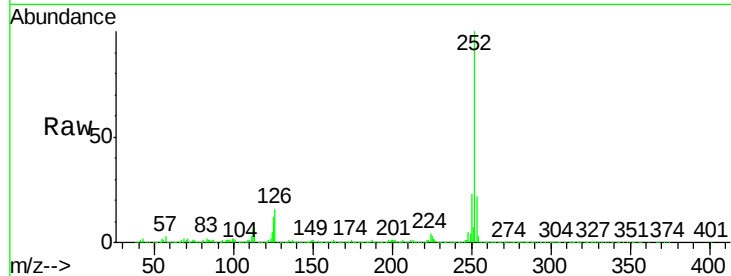
ClientSampleId :

VNJ-214MSD

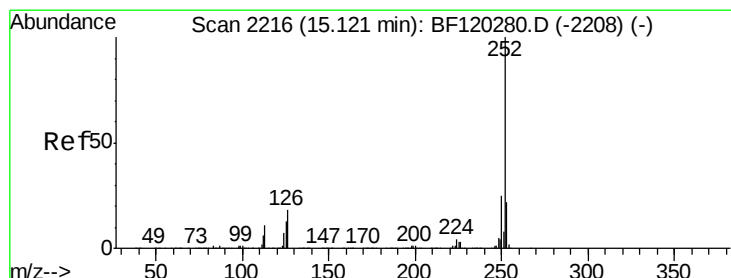
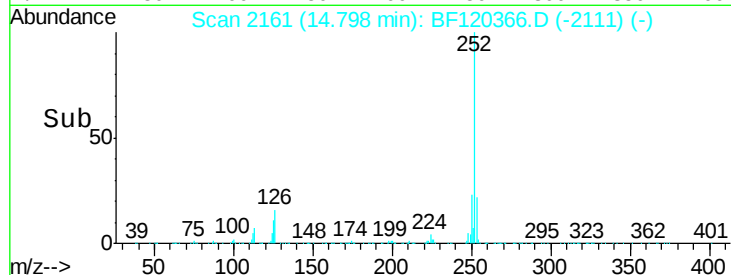
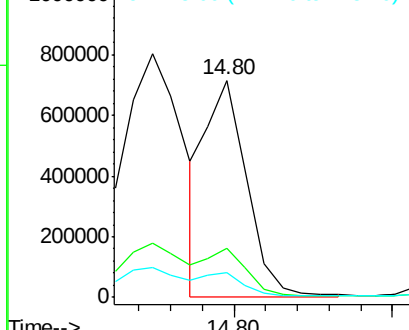
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.5	9.9	14.9

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 37.04 ng

RT: 15.10 min Scan# 2213

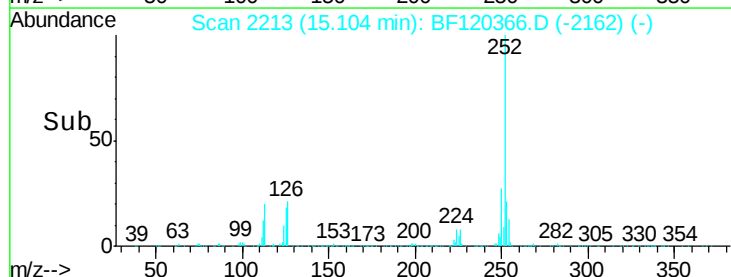
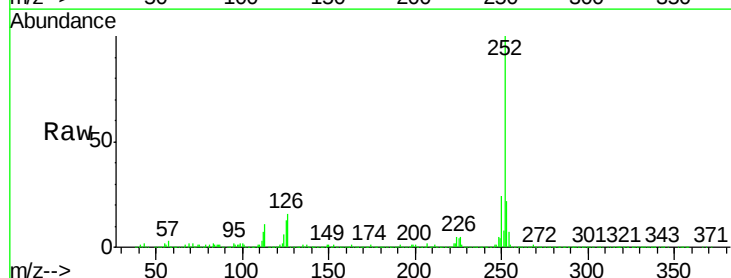
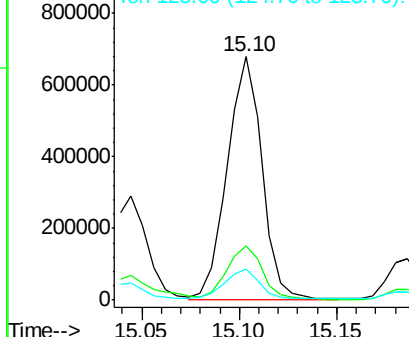
Delta R.T. -0.00 min

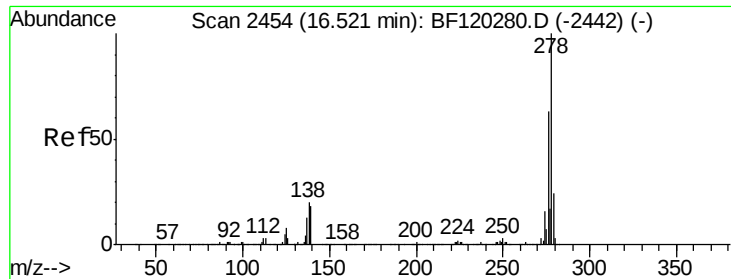
Lab File: BF120366.D

Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.6	10.6	16.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





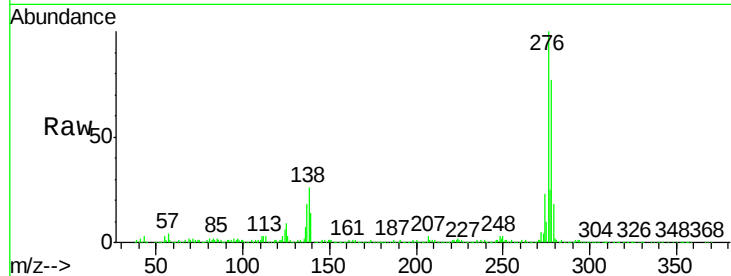
#91
Dibenzo(a,h)anthracene
Concen: 22.34 ng
RT: 16.49 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

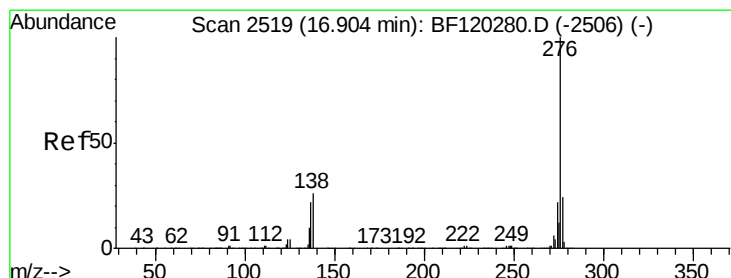
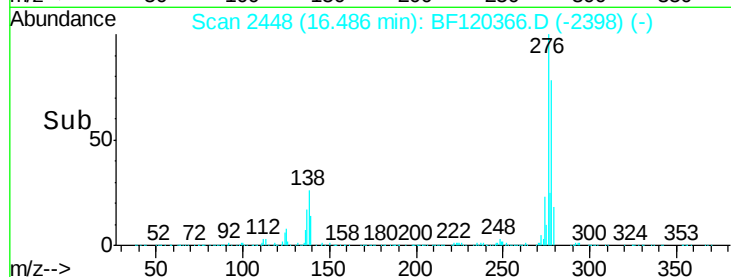
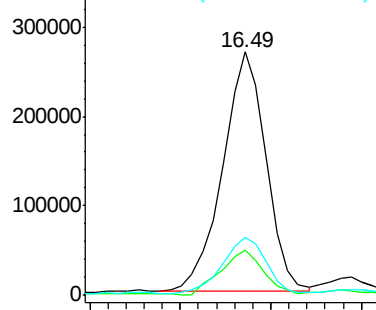
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.7	22.1
279	23.9	19.2	28.8

Manual Integrations
APPROVED

mohammad
5/20/2020 1:20:40 PM

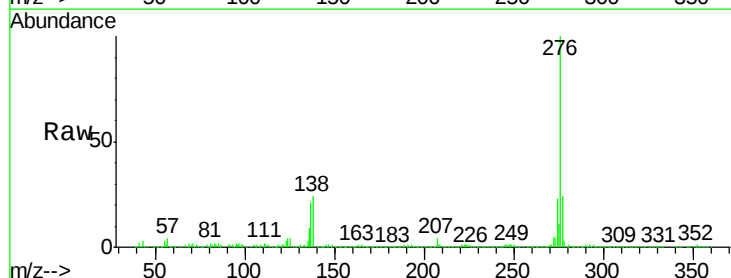


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 32.38 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	24.2	20.8	31.2



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

