

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052020\
 Data File : BF120376.D
 Acq On : 20 May 2020 18:13
 Operator : MA/SJ
 Sample : L2497-08MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Manual Integrations
 APPROVED

mohammad
 5/21/2020 10:23:02 AM

Quant Time: May 20 18:45:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 13:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	298963	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	1221856	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	621268	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	1122285	20.00	ng	0.00
76) Chrysene-d12	13.75	240	744117	20.00	ng	0.00
87) Perylene-d12	15.13	264	661781	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	2064480	134.36	ng	0.03
7) Phenol-d6	6.26	99	2273189	116.99	ng	0.00
23) Nitrobenzene-d5	7.16	82	1749992	98.06	ng	0.00
42) 2,4,6-Tribromophenol	10.43	330	653822	129.07	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	3185980	105.36	ng	0.00
79) Terphenyl-d14	12.70	244	3100162	92.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	310183	50.75	ng	# 87
3) Pyridine	3.05	79	445994	23.21	ng	96
4) n-Nitrosodimethylamine	2.95	42	360904	47.97	ng	# 93
6) Aniline	6.27	93	203566	8.19	ng	# 1
8) 2-Chlorophenol	6.38	128	825899	46.10	ng	99
9) Benzaldehyde	6.14	77	507329	42.35	ng	100
10) Phenol	6.27	94	822480	36.26	ng	# 73
11) bis(2-Chloroethyl)ether	6.33	93	850729	46.95	ng	97
12) 1,3-Dichlorobenzene	6.53	146	815068	42.52	ng	100
13) 1,4-Dichlorobenzene	6.60	146	856252	43.37	ng	98
14) 1,2-Dichlorobenzene	6.76	146	745961	41.95	ng	99
15) Benzyl Alcohol	6.75	79	639931	46.36	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.87	45	1319973	46.23	ng	76
17) 2-Methylphenol	6.87	107	630643	41.70	ng	# 91
18) Hexachloroethane	7.09	117	321305	42.72	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	577417	45.36	ng	93
20) 3+4-Methylphenols	7.03	107	816547	41.53	ng	97
22) Acetophenone	7.01	105	1148705	45.89	ng	97
24) Nitrobenzene	7.18	77	859561	44.75	ng	98
25) Isophorone	7.42	82	1638940	44.14	ng	99
26) 2-Nitrophenol	7.50	139	461730	45.97	ng	93
27) 2,4-Dimethylphenol	7.55	122	717298	49.09	ng	97
28) bis(2-Chloroethoxy)methane	7.64	93	1082420	46.38	ng	100
29) 2,4-Dichlorophenol	7.75	162	673965	44.91	ng	98
30) 1,2,4-Trichlorobenzene	7.82	180	750316	45.12	ng	97
31) Naphthalene	7.90	128	2467471	47.85	ng	99
32) Benzoic acid	7.71	122	360177	37.61	ng	99
33) 4-Chloroaniline	7.96	127	144474	6.15	ng	98
34) Hexachlorobutadiene	8.02	225	411771	42.84	ng	96
35) Caprolactam	8.35	113	141721m	28.87	ng	
36) 4-Chloro-3-methylphenol	8.46	107	715929	44.10	ng	99
37) 2-Methylnaphthalene	8.59	142	1622660	45.98	ng	99
38) 1-Methylnaphthalene	8.69	142	1559578	45.57	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.76	216	720533	45.99	ng	99

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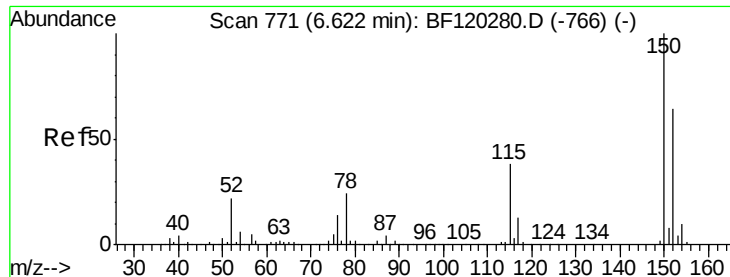
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.74	237	489215	76.06	ng	98
43) 2,4,6-Trichlorophenol	8.88	196	455242	43.29	ng	98
44) 2,4,5-Trichlorophenol	8.93	196	476553	39.46	ng	99
46) 1,1'-Biphenyl	9.06	154	1940834	47.68	ng	100
47) 2-Chloronaphthalene	9.08	162	1441267	44.14	ng	98
48) 2-Nitroaniline	9.19	65	505850	42.46	ng	96
49) Acenaphthylene	9.49	152	2280239	45.72	ng	99
50) Dimethylphthalate	9.37	163	1689854	43.03	ng	99
51) 2,6-Dinitrotoluene	9.43	165	374729	42.75	ng	86
52) Acenaphthene	9.66	154	1365367	45.67	ng	99
53) 3-Nitroaniline	9.60	138	93914	8.98	ng	97
54) 2,4-Dinitrophenol	9.72	184	134950	32.62	ng	94
55) Dibenzofuran	9.84	168	1968306	45.72	ng	100
56) 4-Nitrophenol	9.79	139	340558	60.63	ng	# 79
57) 2,4-Dinitrotoluene	9.84	165	433767	42.19	ng	96
58) Fluorene	10.18	166	1517933	46.29	ng	99
59) 2,3,4,6-Tetrachlorophenol	9.96	232	369170	40.62	ng	98
60) Diethylphthalate	10.07	149	1663850	43.88	ng	98
61) 4-Chlorophenyl-phenylether	10.17	204	740046	43.41	ng	93
62) 4-Nitroaniline	10.22	138	285787	29.36	ng	99
63) Azobenzene	10.33	77	1812748	50.59	ng	95
65) 4,6-Dinitro-2-methylphenol	10.25	198	158423	27.91	ng	88
66) n-Nitrosodiphenylamine	10.30	169	1408765	45.37	ng	100
67) 4-Bromophenyl-phenylether	10.66	248	460342	42.27	ng	95
68) Hexachlorobenzene	10.73	284	489647	42.98	ng	94
69) Atrazine	10.83	200	383189	41.24	ng	99
70) Pentachlorophenol	10.93	266	333969	68.92	ng	98
71) Phenanthrene	11.14	178	2079313	44.09	ng	100
72) Anthracene	11.19	178	2255286	44.67	ng	100
73) Carbazole	11.35	167	2019467	42.81	ng	99
74) Di-n-butylphthalate	11.69	149	2519016	44.31	ng	99
75) Fluoranthene	12.32	202	2388233	47.25	ng	99
77) Benzidine	12.45	184	367807	16.93	ng	96
78) Pyrene	12.55	202	2381833	44.90	ng	99
80) Butylbenzylphthalate	13.18	149	1090669	43.66	ng	97
81) Benzo(a)anthracene	13.74	228	1745502	44.47	ng	98
82) 3,3'-Dichlorobenzidine	13.71	252	269515	18.22	ng	# 98
83) Chrysene	13.78	228	1824173	43.28	ng	100
84) Bis(2-ethylhexyl)phthalate	13.74	149	1334110	42.93	ng	100
85) Di-n-octyl phthalate	14.35	149	2473342	44.24	ng	100
86) Indeno(1,2,3-cd)pyrene	16.44	276	1475540	38.58	ng	99
88) Benzo(b)fluoranthene	14.75	252	1515065	41.92	ng	99
89) Benzo(k)fluoranthene	14.78	252	1583305	50.57	ng	99
90) Benzo(a)pyrene	15.08	252	1392784	42.97	ng	99
91) Dibenzo(a,h)anthracene	16.45	278	1208124	42.07	ng	97
92) Benzo(g,h,i)perylene	16.83	276	1280595	44.23	ng	99

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



#1

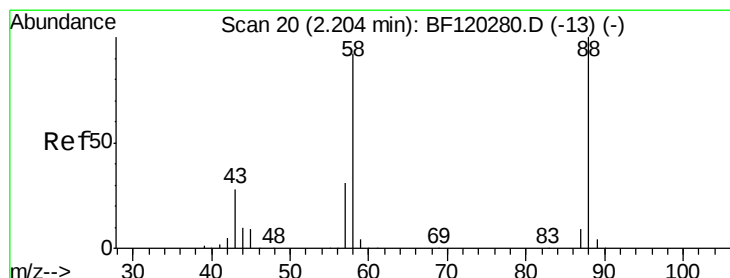
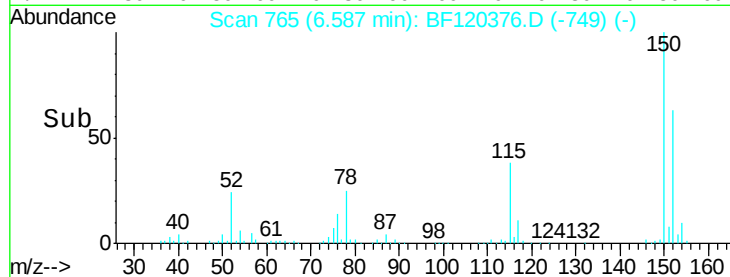
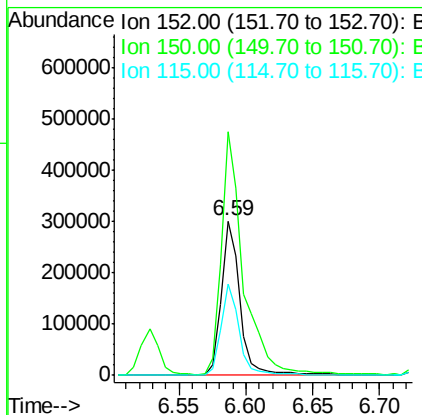
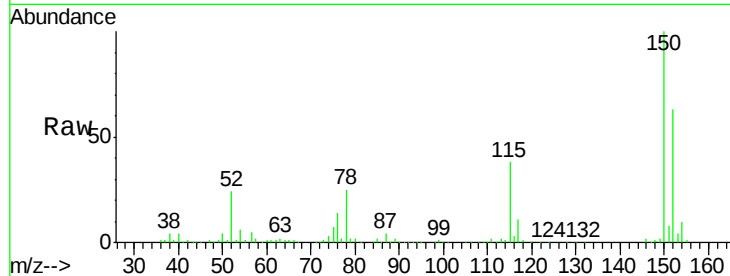
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	59.5	47.9	71.9

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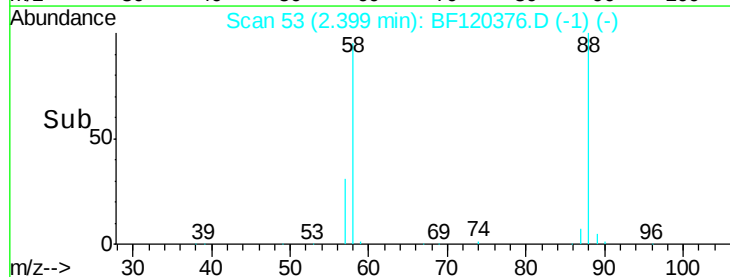
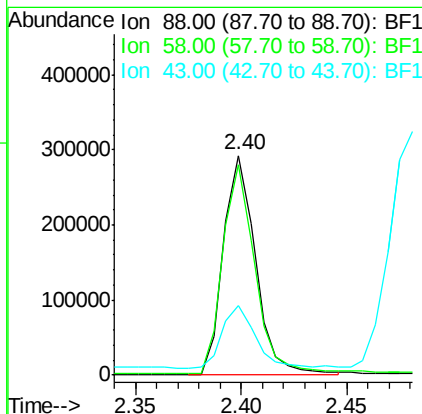
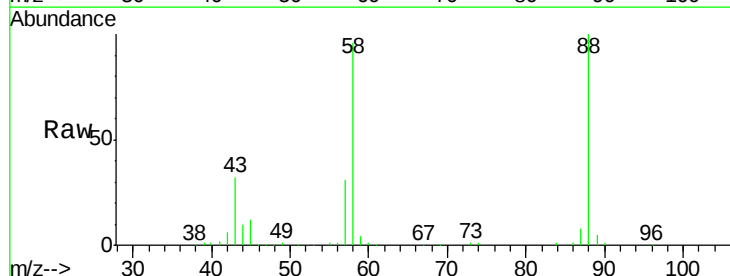
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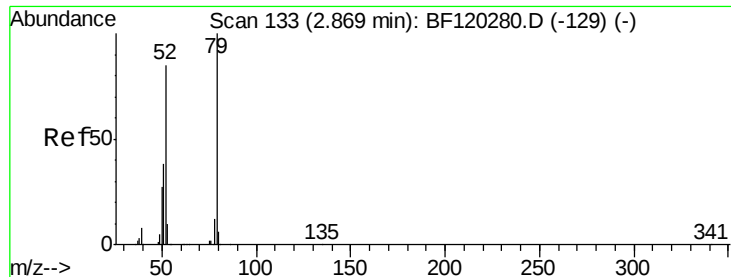


#2

1,4-Dioxane
Concen: 50.75 ng
RT: 2.40 min Scan# 53
Delta R.T. 0.23 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.8	75.8	113.6
43	0.0	23.6	35.4





#3

Pyridine

Concen: 23.21 ng

RT: 3.05 min Scan# 164

Delta R.T. 0.22 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

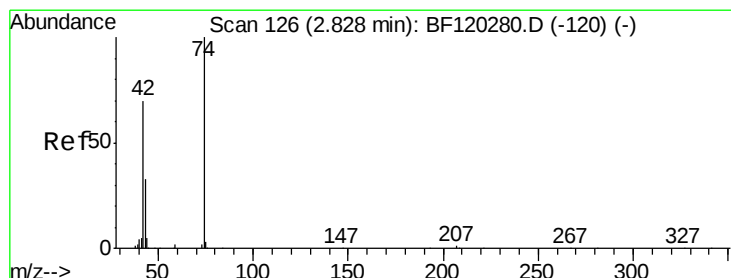
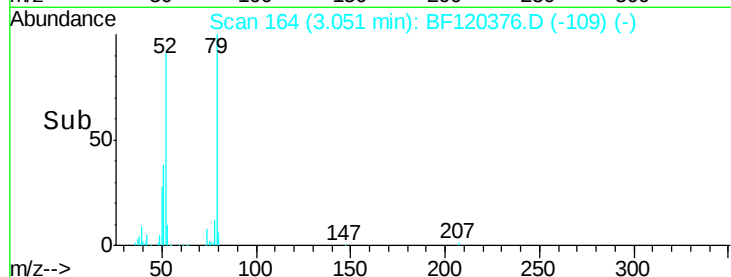
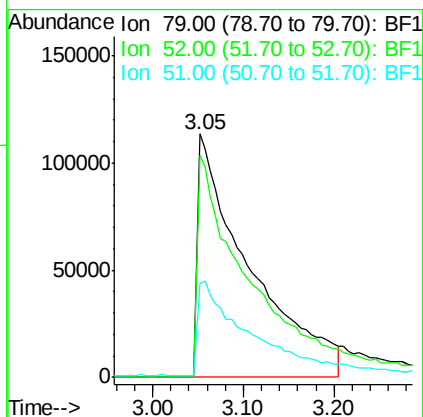
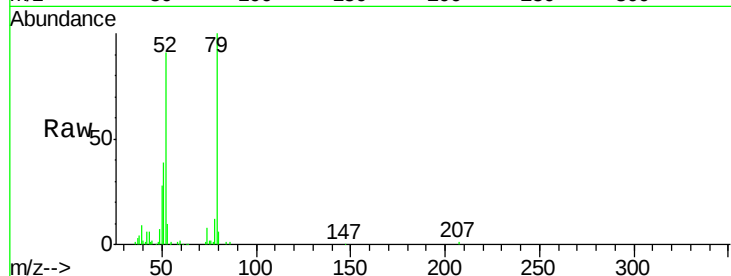
ClientSampleId :

HD-02-051920MSD

Tgt Ion:	79	Resp:	445994
Ion	Ratio	Lower	Upper
79	100		
52	91.1	68.4	102.6
51	38.5	31.0	46.4

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#4

n-Nitrosodimethylamine

Concen: 47.97 ng

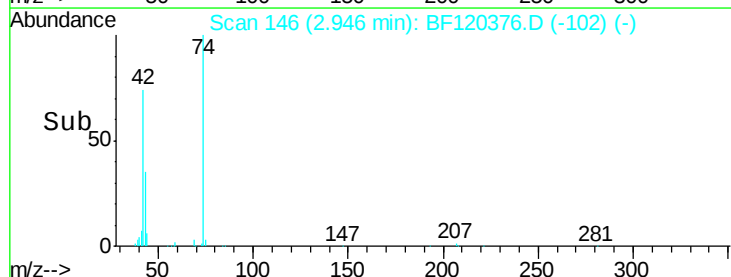
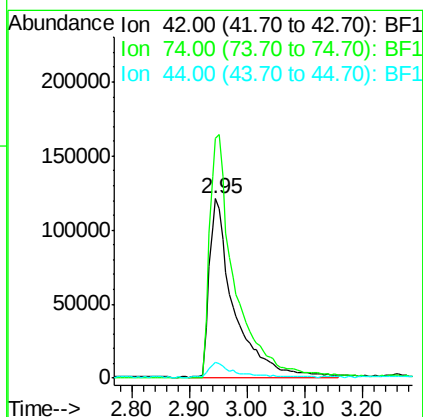
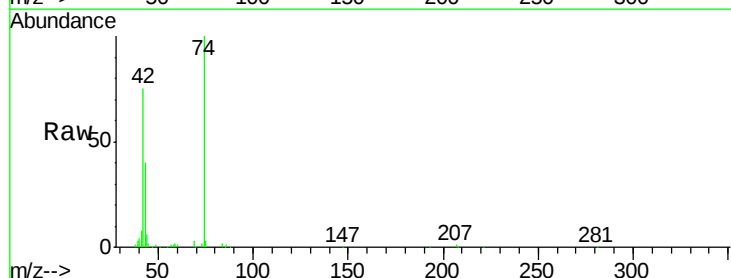
RT: 2.95 min Scan# 146

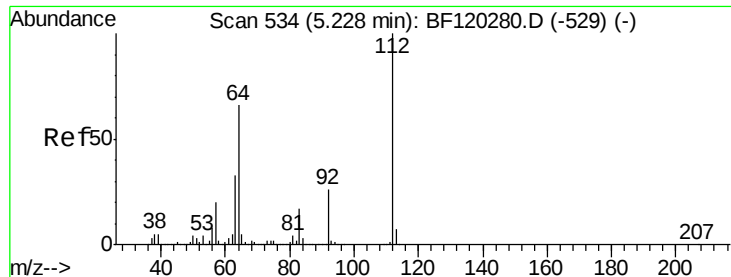
Delta R.T. 0.16 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:	42	Resp:	360904
Ion	Ratio	Lower	Upper
42	100		
74	134.0	114.8	172.2
44	8.5	5.6	8.4#





#5

2-Fluorophenol

Concen: 134.36 ng

RT: 5.22 min Scan# 533

Delta R.T. 0.03 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

ClientSampleId :

HD-02-051920MSD

Tgt Ion: 112 Resp: 2064480

Ion Ratio Lower Upper

112 100

64 70.6 52.7 79.1

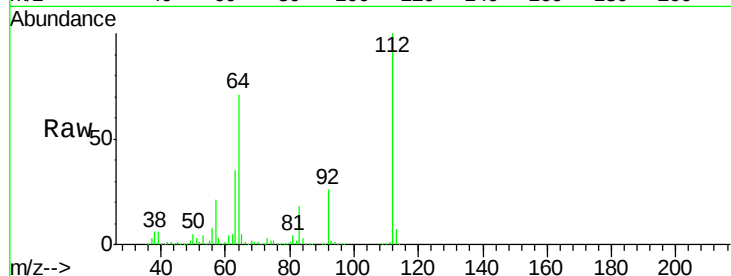
63 35.2 26.2 39.4

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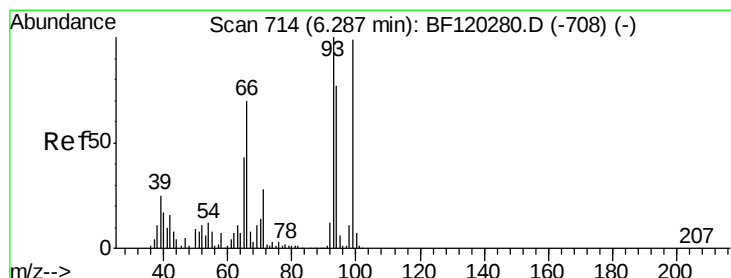
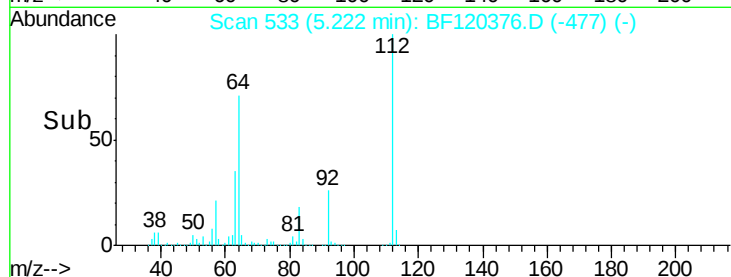
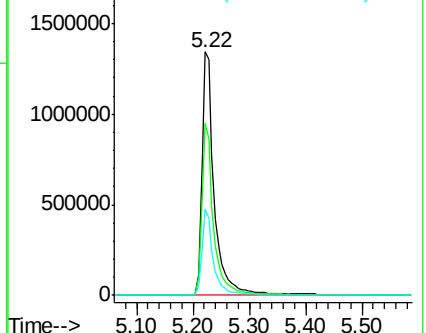
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.19 ng

RT: 6.27 min Scan# 711

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion: 93 Resp: 203566

Ion Ratio Lower Upper

93 100

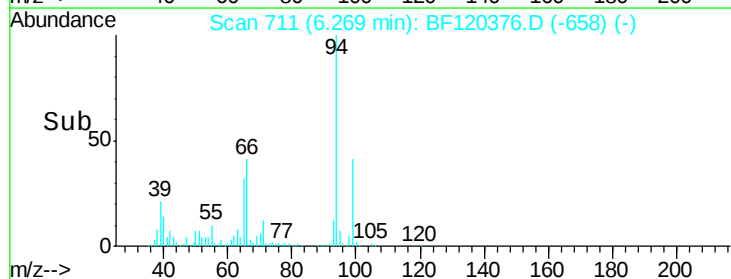
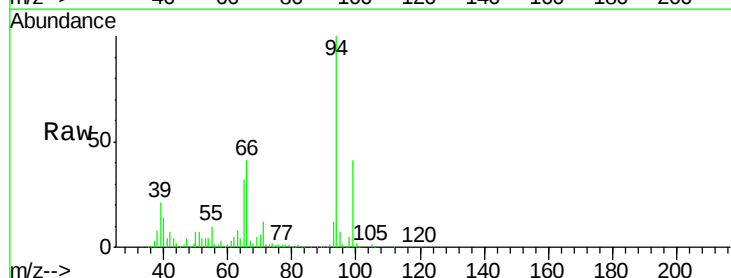
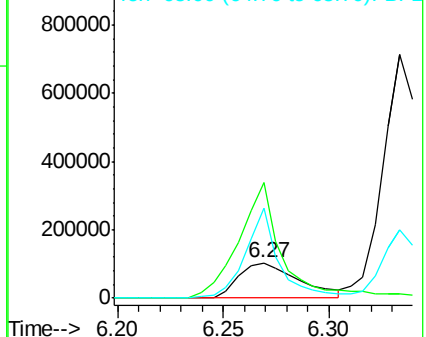
66 330.9 56.2 84.4#

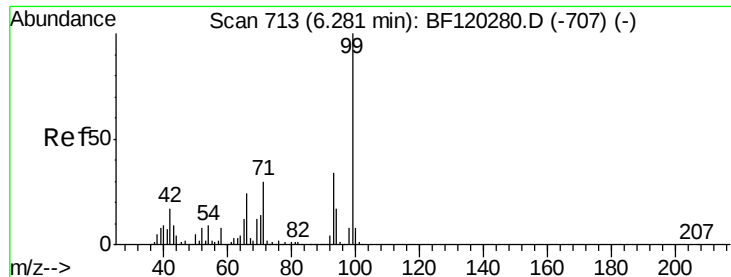
65 255.8 34.2 51.2#

Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 116.99 ng

RT: 6.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

ClientSampleId :

HD-02-051920MSD

Tgt Ion: 99 Resp: 2273189

Ion Ratio Lower Upper

99 100

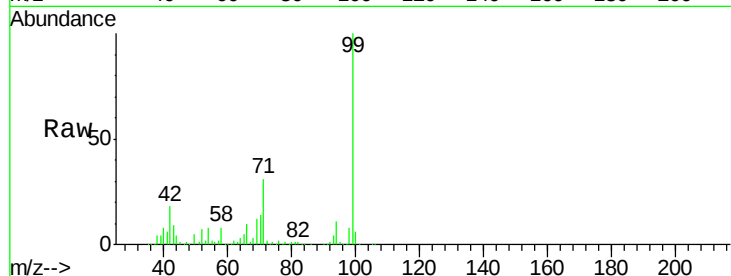
42 17.7 13.6 20.4

71 31.0 24.2 36.4

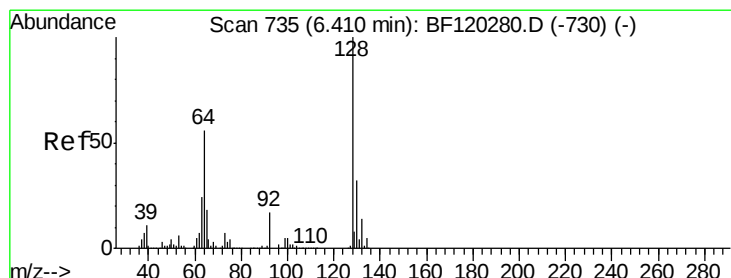
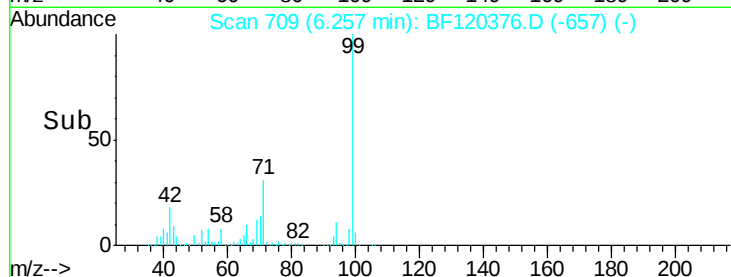
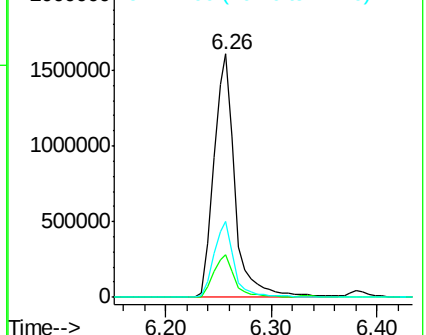
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 46.10 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

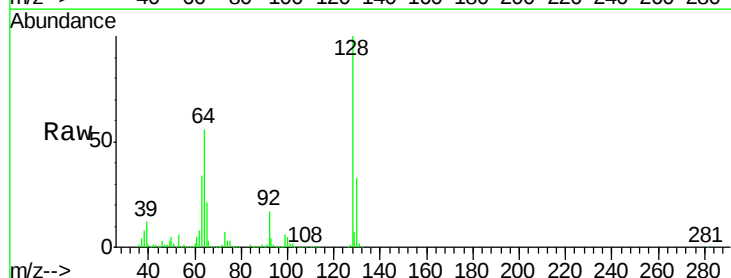
Tgt Ion: 128 Resp: 825899

Ion Ratio Lower Upper

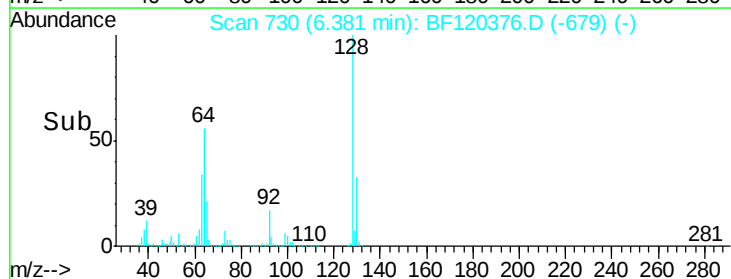
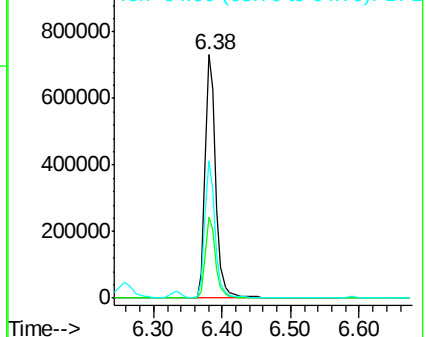
128 100

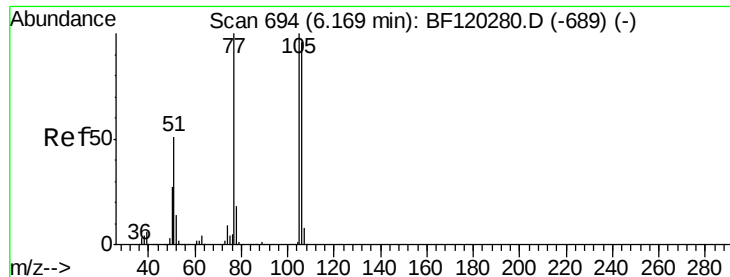
130 33.2 12.4 52.4

64 56.4 36.7 76.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 42.35 ng

RT: 6.14 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

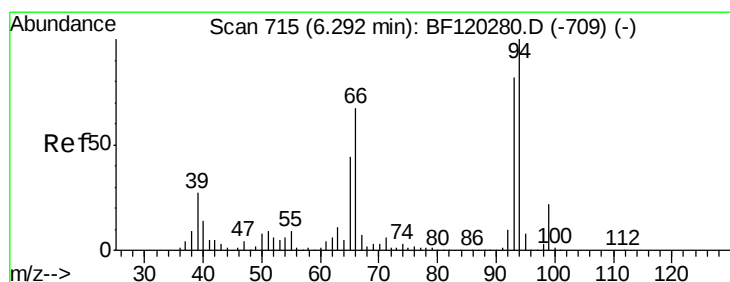
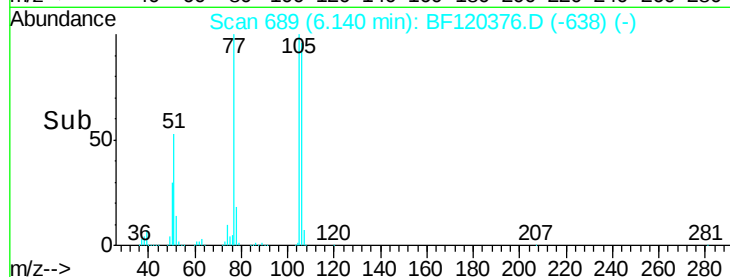
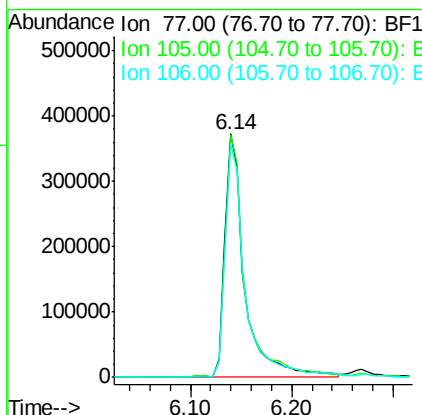
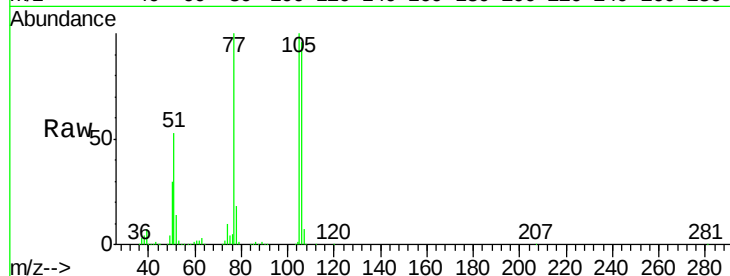
ClientSampleId :

HD-02-051920MSD

Tgt Ion:	77	Resp:	507329
Ion Ratio	Lower	Upper	
77	100		
105	99.6	79.9	119.9
106	96.0	75.7	115.7

Manual Integrations
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#10

Phenol

Concen: 36.26 ng

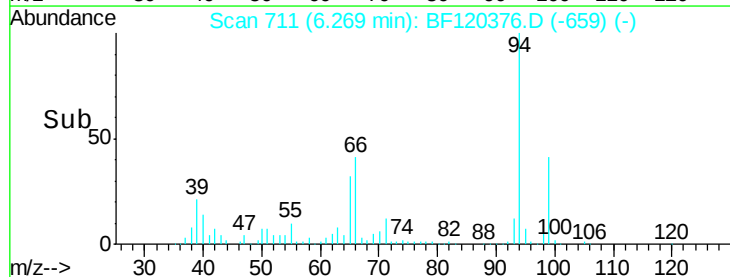
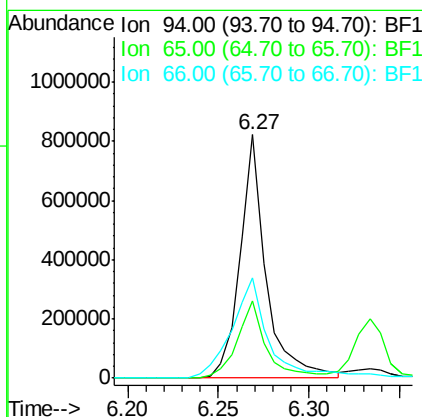
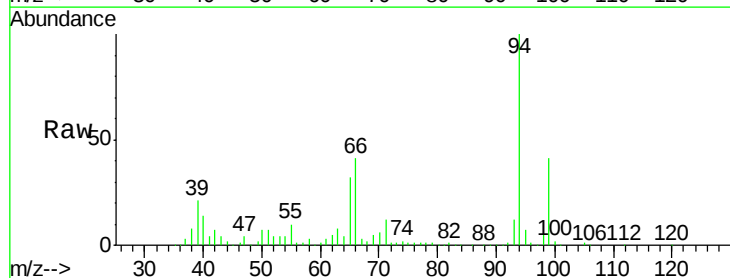
RT: 6.27 min Scan# 711

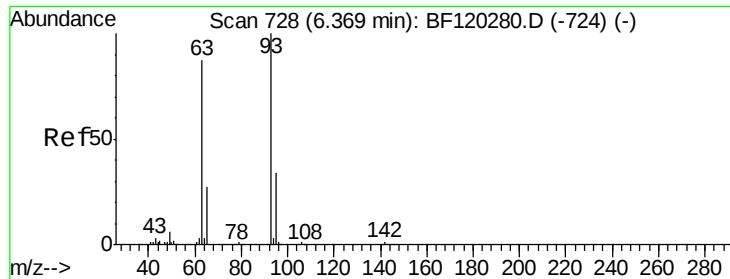
Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:	94	Resp:	822480
Ion Ratio	Lower	Upper	
94	100		
65	31.9	24.1	64.1
66	41.2	47.5	87.5#





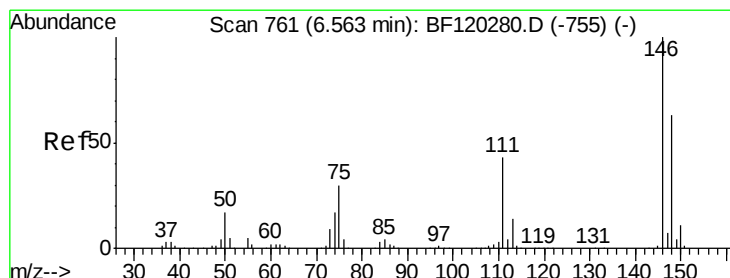
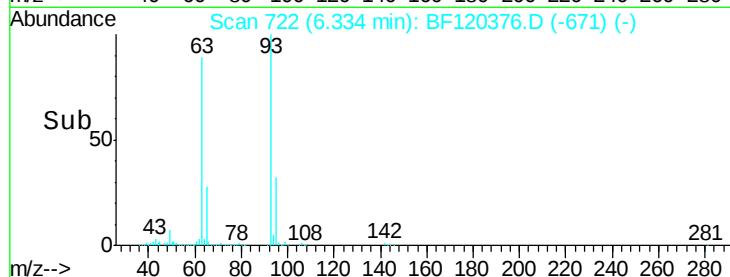
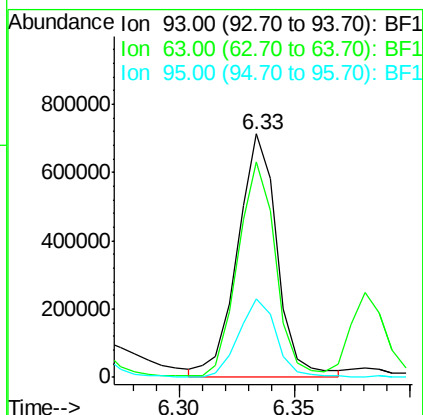
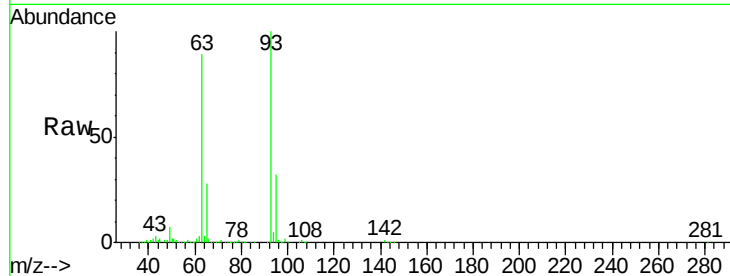
#11
bis(2-Chloroethyl)ether
Concen: 46.95 ng
RT: 6.33 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	88.6	65.4	105.4
95	32.5	12.9	52.9

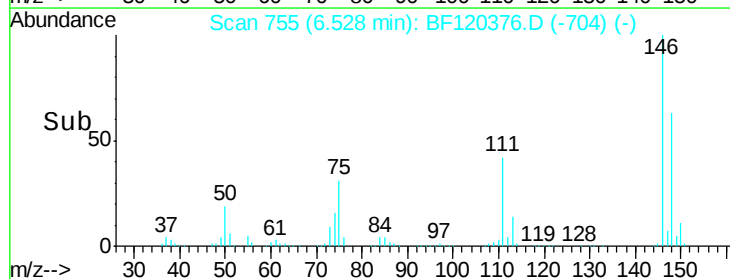
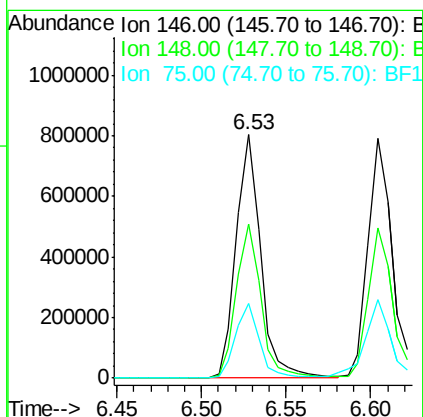
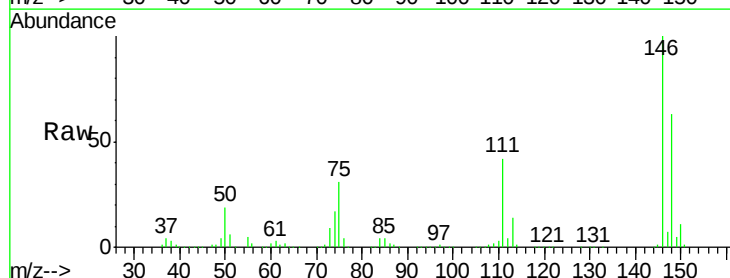
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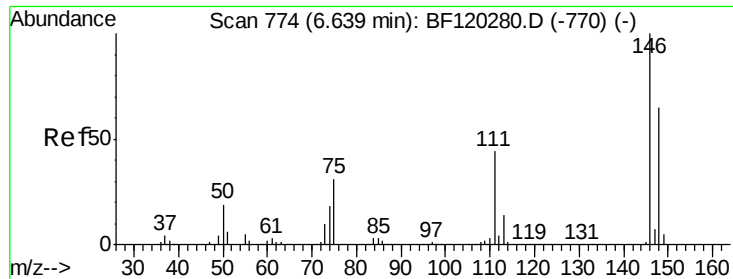
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.52 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.5	75.7
75	30.8	24.2	36.4





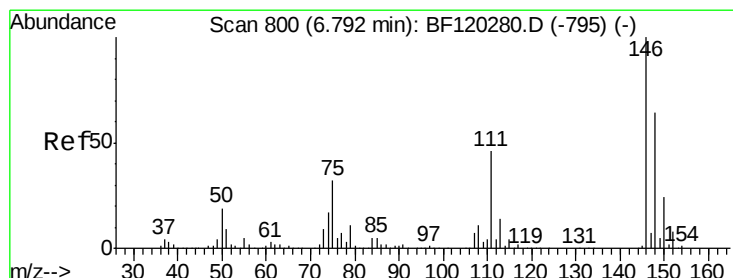
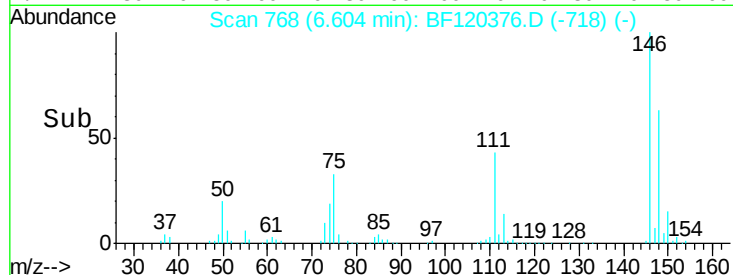
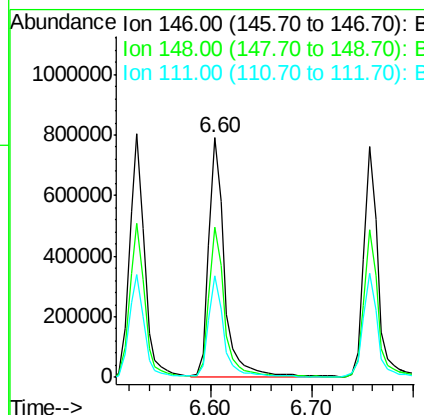
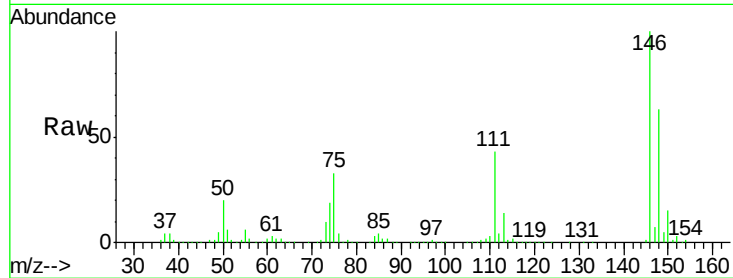
#13
 1,4-Dichlorobenzene
 Concen: 43.37 ng
 RT: 6.60 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.6	77.4
111	42.5	35.1	52.7

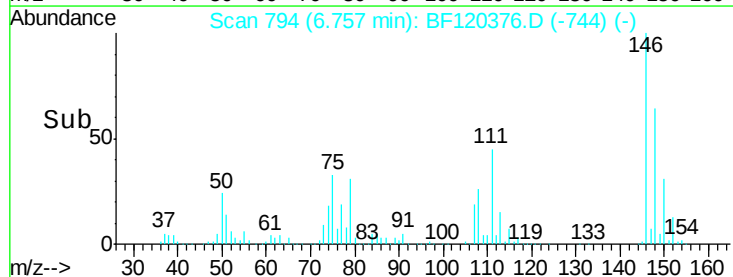
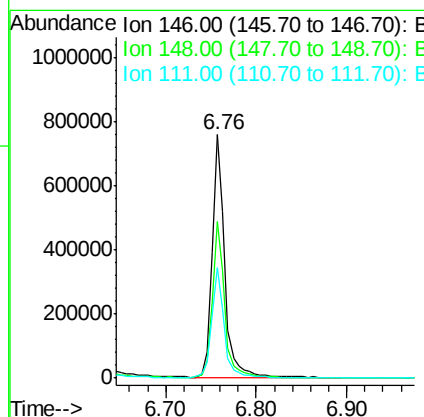
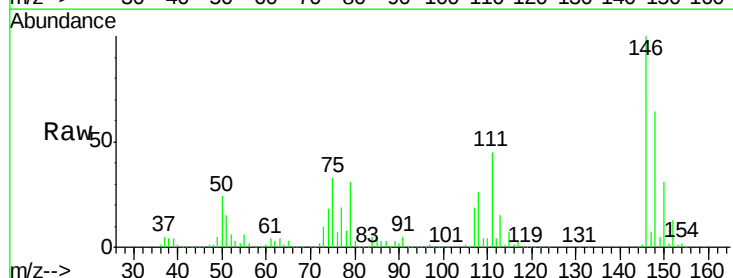
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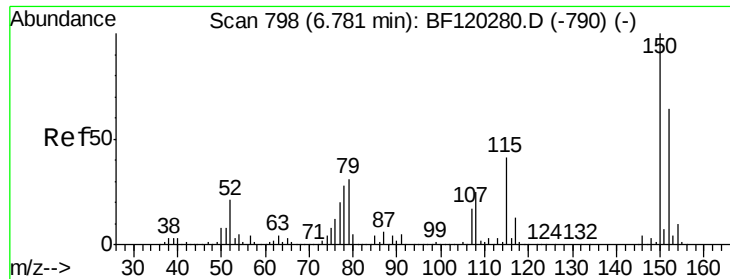
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 41.95 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	45.2	36.6	55.0





#15

Benzyl Alcohol

Concen: 46.36 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

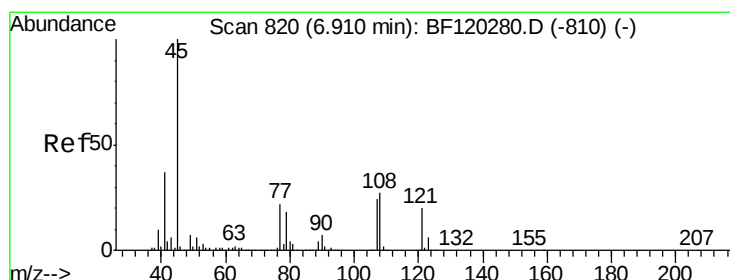
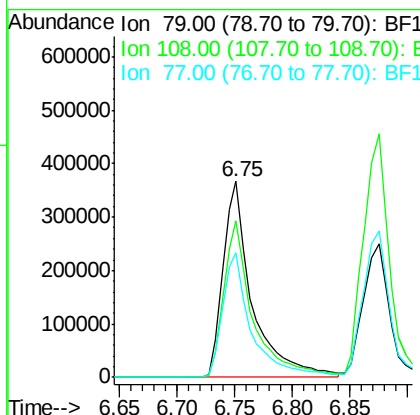
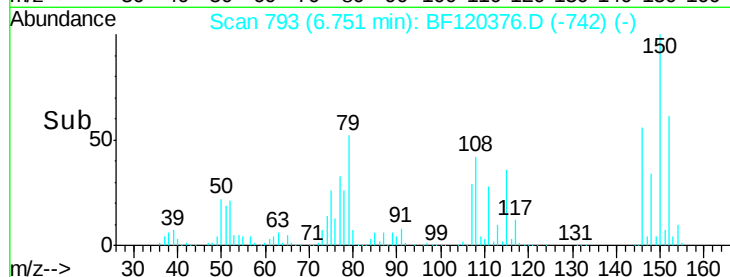
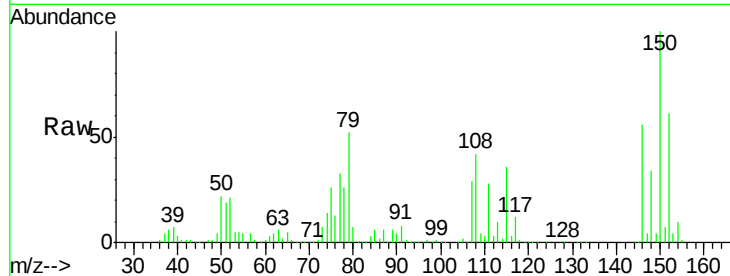
ClientSampleId :

HD-02-051920MSD

Tgt Ion:	79	Resp:	639931
Ion Ratio	Lower	Upper	
79	100		
108	79.8	64.2	96.4
77	63.8	51.6	77.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.23 ng

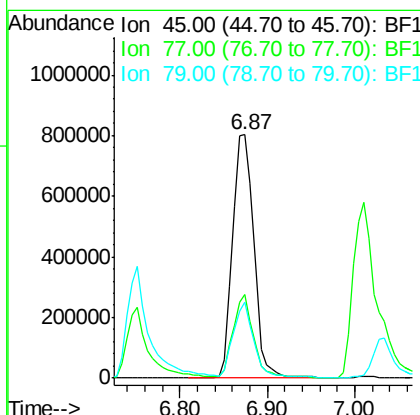
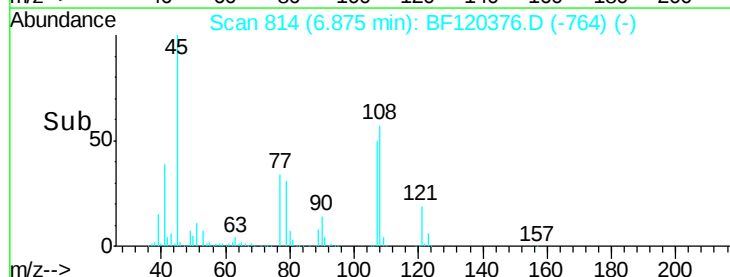
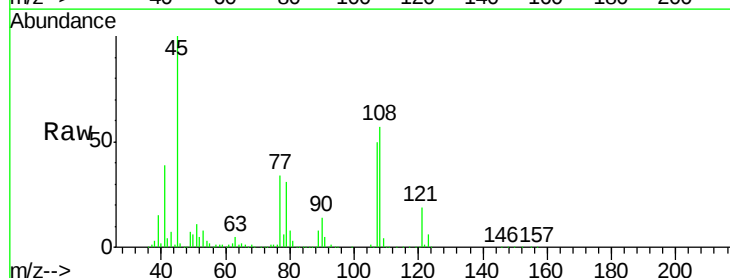
RT: 6.87 min Scan# 814

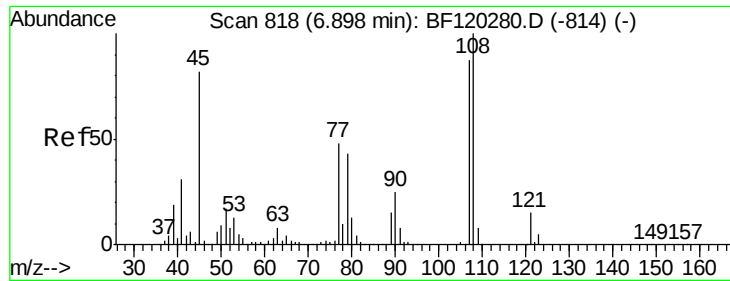
Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:	45	Resp:	1319973
Ion Ratio	Lower	Upper	
45	100		
77	34.2	3.1	43.1
79	31.2	0.0	40.0





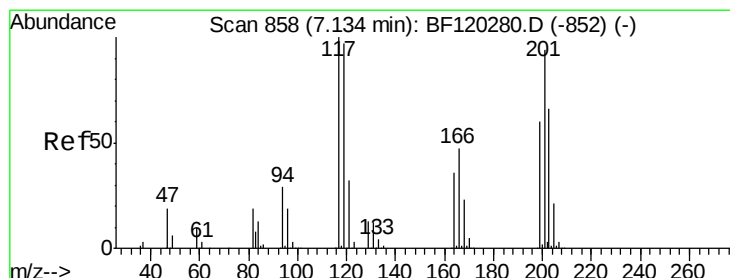
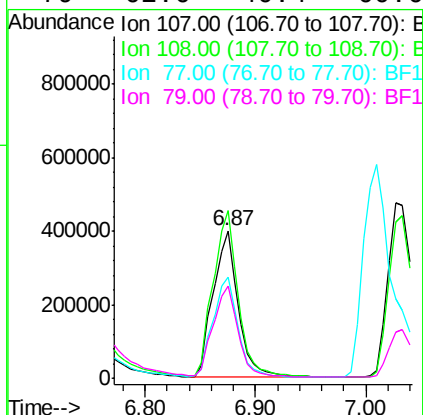
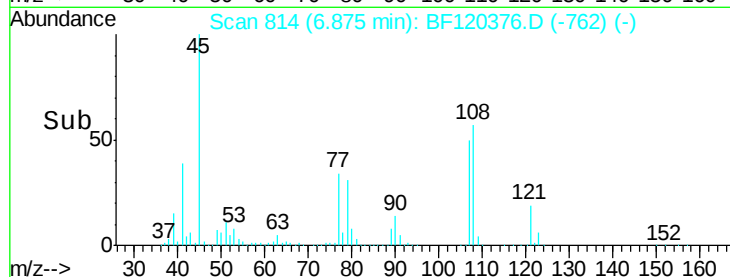
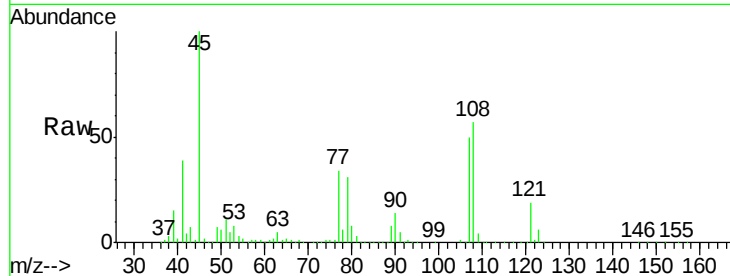
#17
2-Methylphenol
Concen: 41.70 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	630643		
108	113.8	92.4	138.6	
77	68.6	44.5	66.7#	
79	62.6	40.4	60.6#	

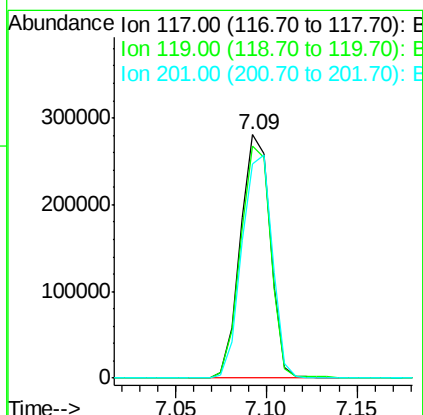
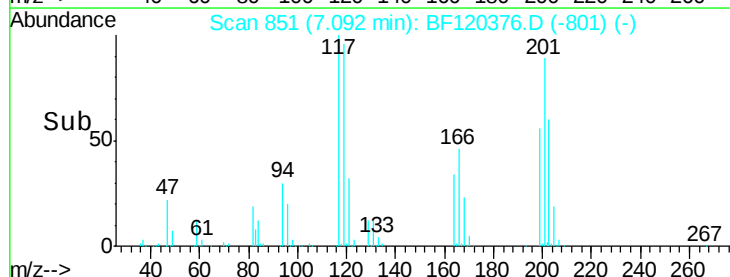
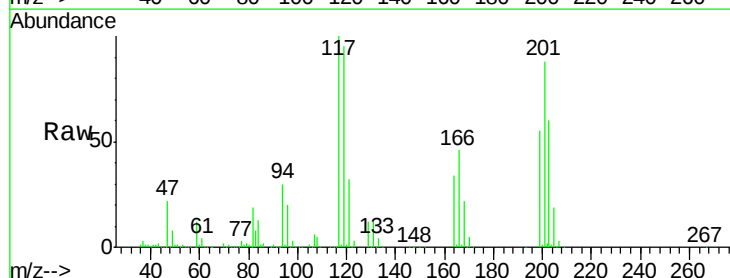
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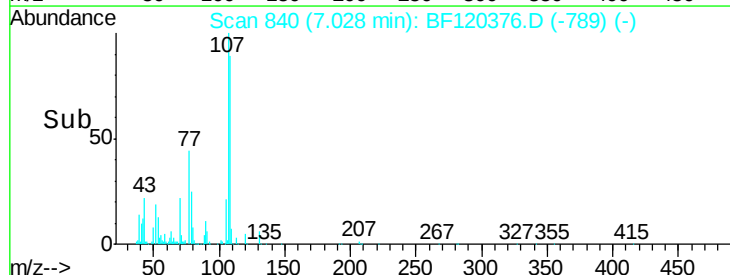
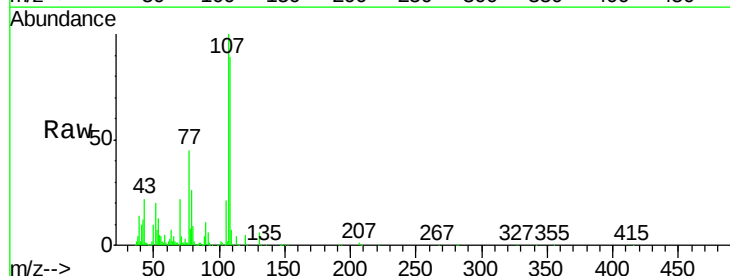
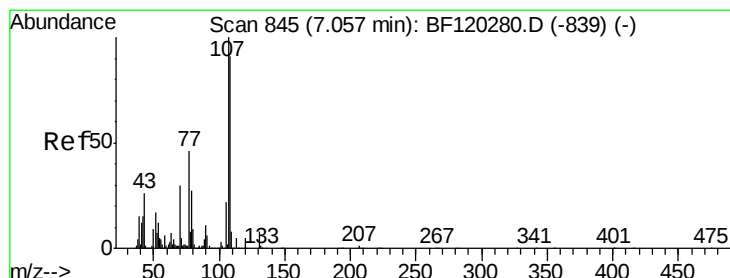
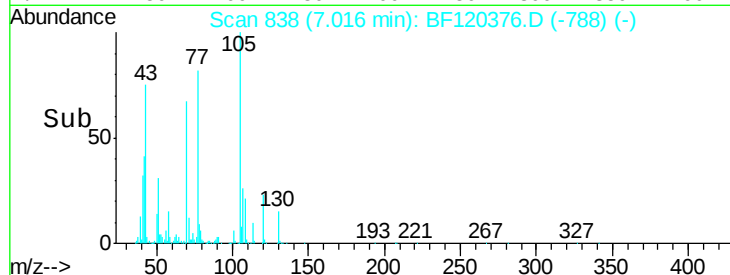
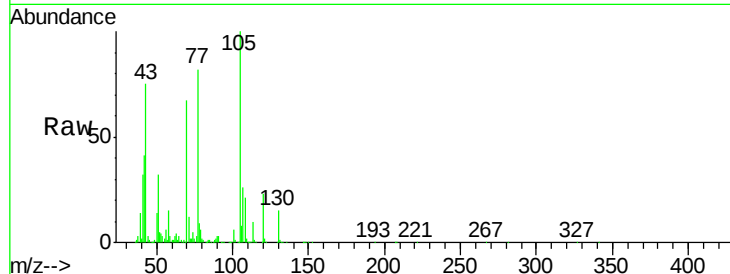
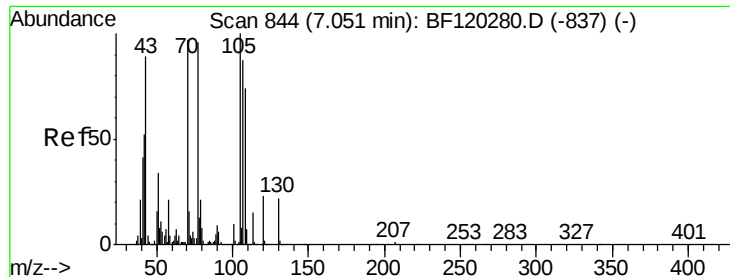
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#18
Hexachloroethane
Concen: 42.72 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

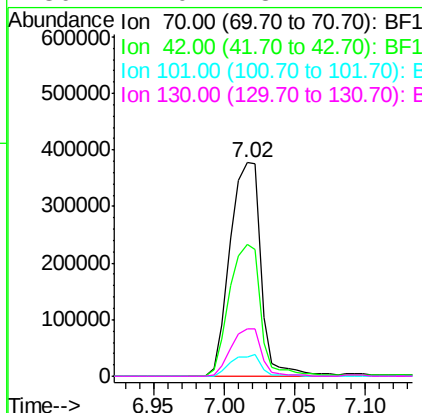
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	321305		
119	95.4	77.4	116.0	
201	88.1	74.9	112.3	





#19
n-Nitroso-di-n-propylamine
Concen: 45.36 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	577417		
42	61.7	43.4	65.0	
101	9.0	7.8	11.8	
130	22.0	18.2	27.4	



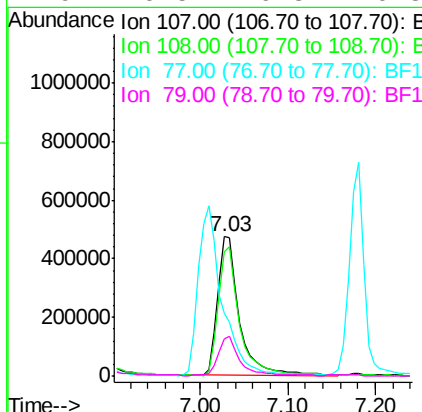
Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

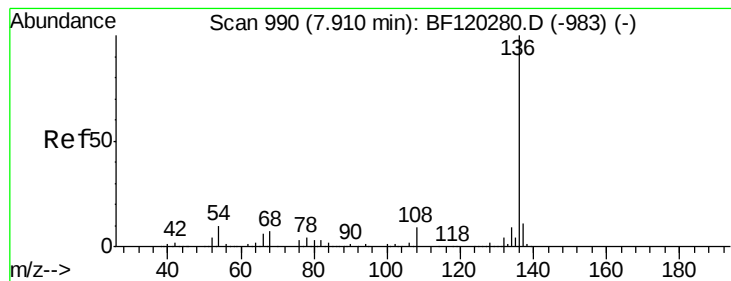
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#20
3+4-Methylphenols
Concen: 41.53 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	816547		
108	89.1	71.1	111.1	
77	45.1	28.1	68.1	
79	26.5	6.8	46.8	





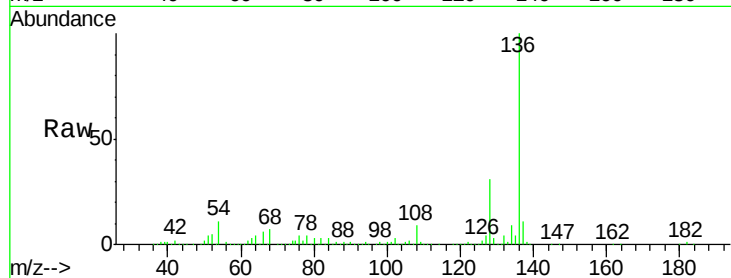
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

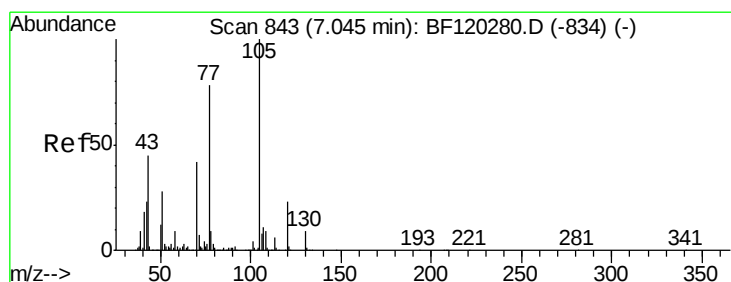
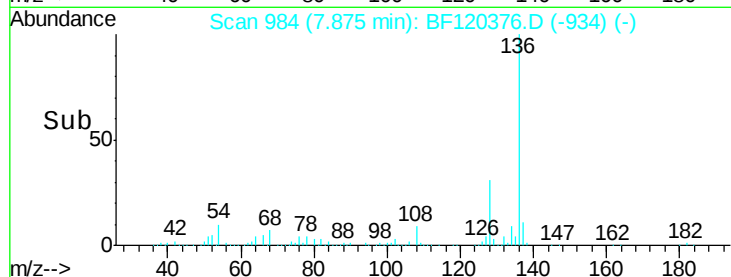
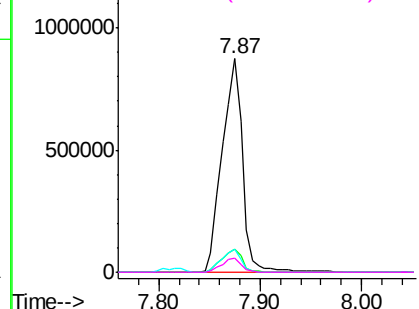
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.6	7.9	11.9
68	6.6	5.4	8.2

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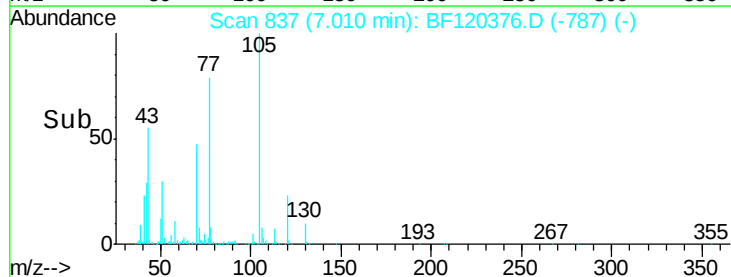
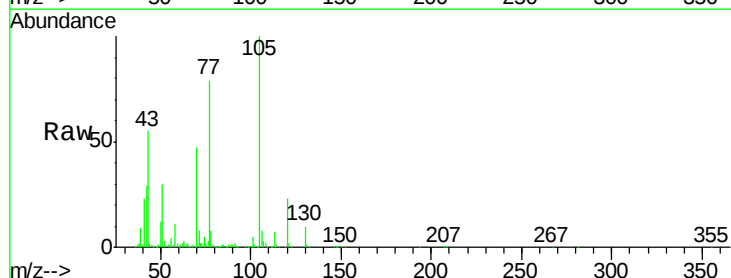
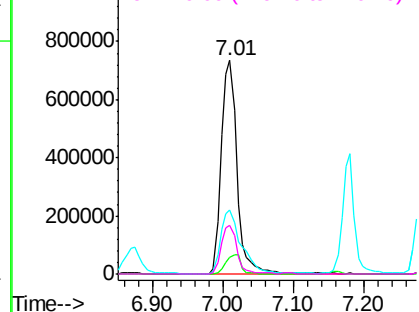
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

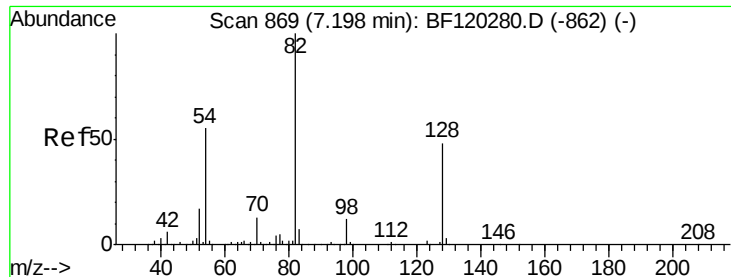


#22
Acetophenone
Concen: 45.89 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
105	100		
71	7.6	5.6	8.4
51	30.2	22.6	34.0
120	22.6	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





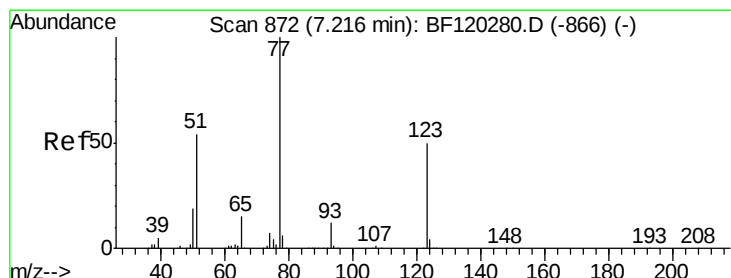
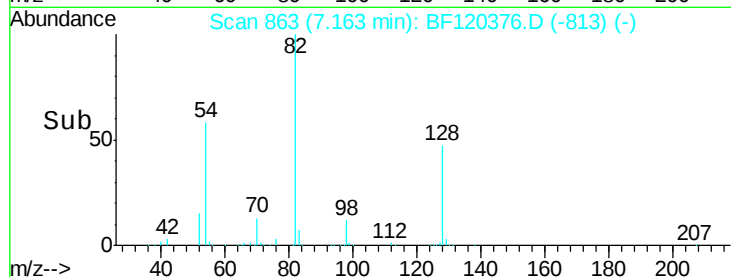
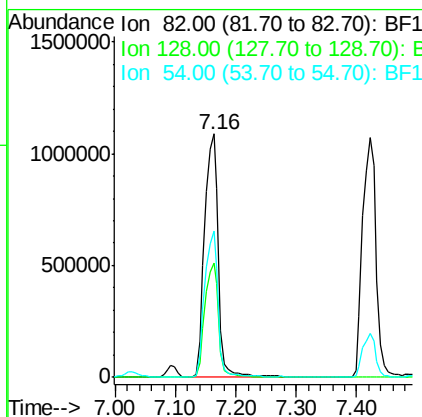
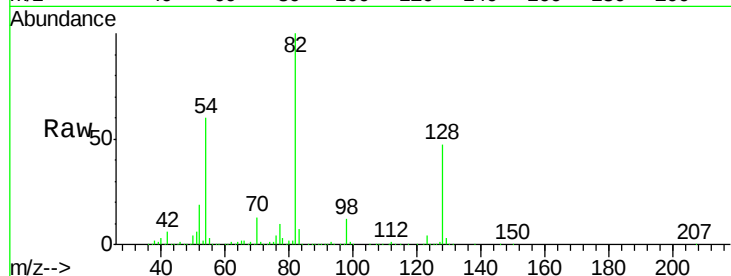
#23
 Nitrobenzene-d5
 Concen: 98.06 ng
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.0	38.3	57.5
54	60.3	43.9	65.9

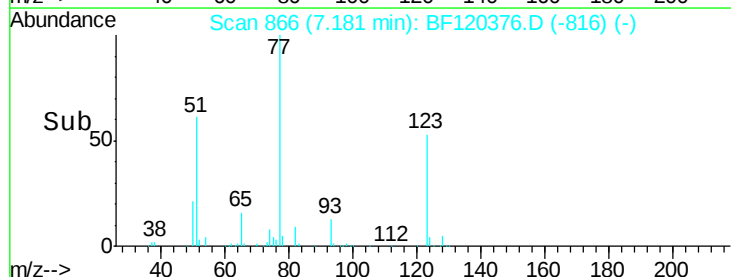
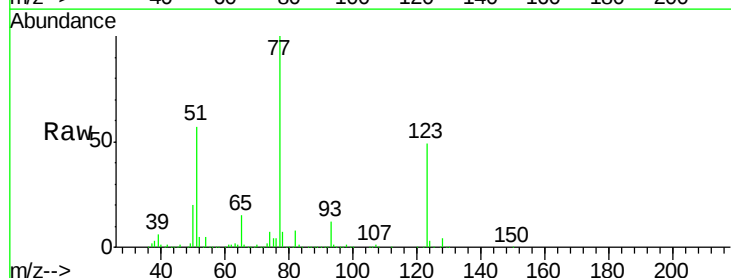
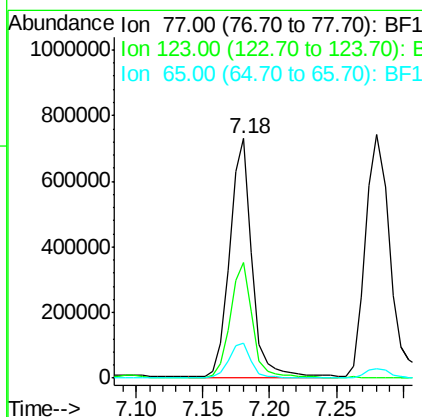
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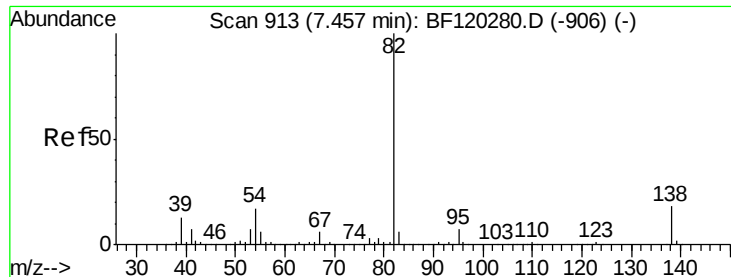
mohammad
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#24
 Nitrobenzene
 Concen: 44.75 ng
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.5	40.0	60.0
65	14.5	11.7	17.5





#25

Isophorone

Concen: 44.14 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

ClientSampleId :

HD-02-051920MSD

Tgt Ion: 82 Resp: 1638940

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

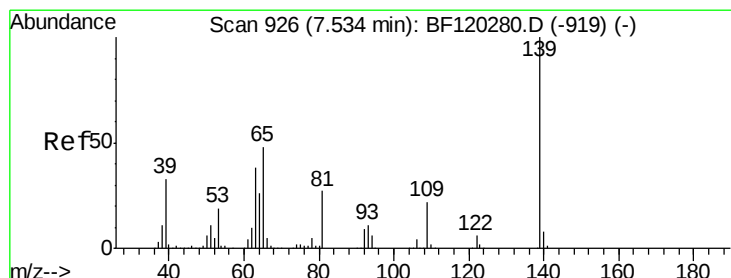
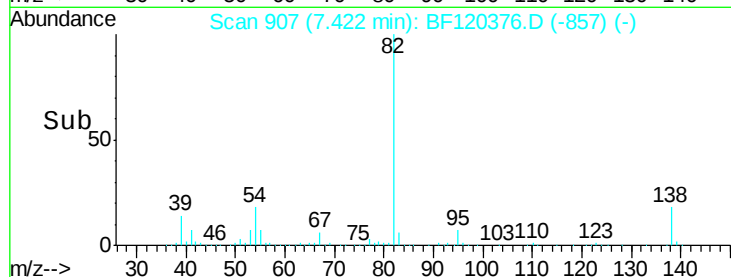
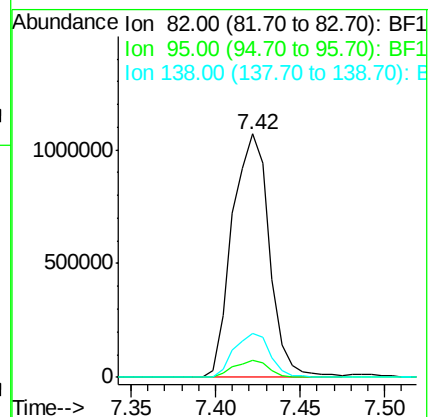
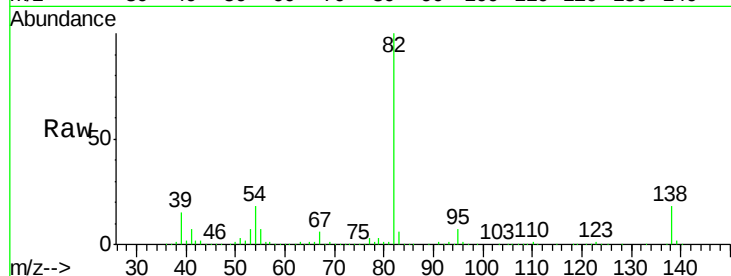
138 18.1 14.7 22.1

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#26

2-Nitrophenol

Concen: 45.97 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

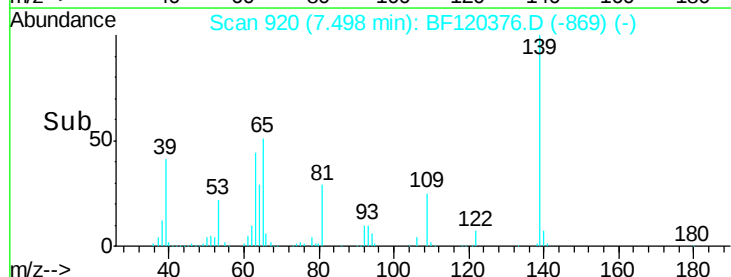
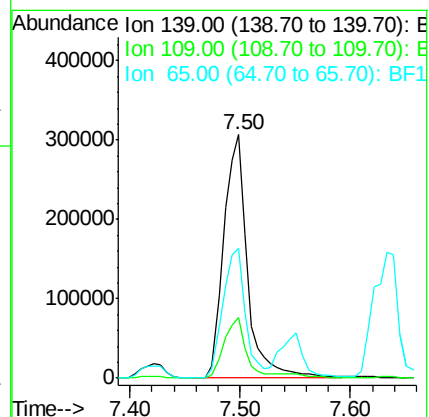
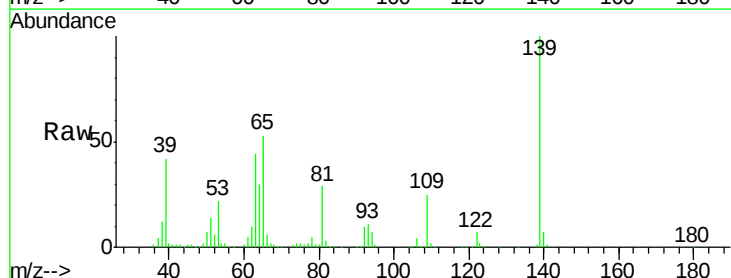
Tgt Ion: 139 Resp: 461730

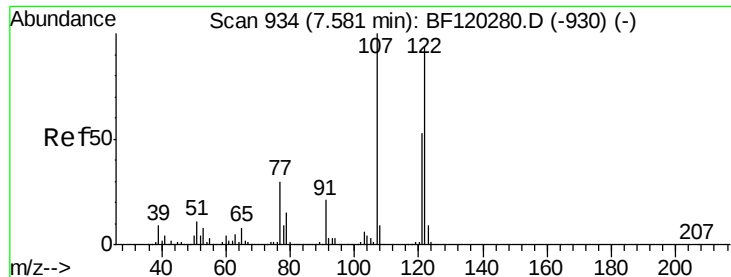
Ion Ratio Lower Upper

139 100

109 24.9 17.7 26.5

65 53.3 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 49.09 ng

RT: 7.55 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

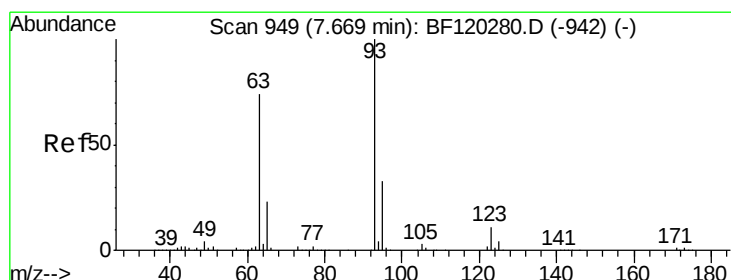
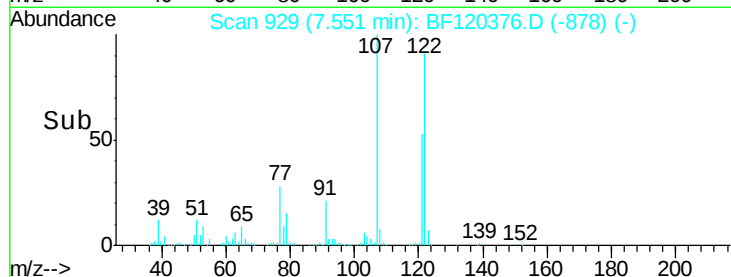
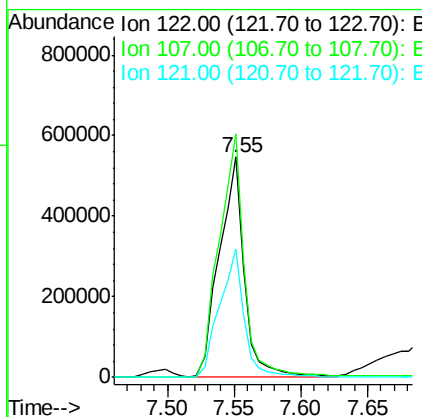
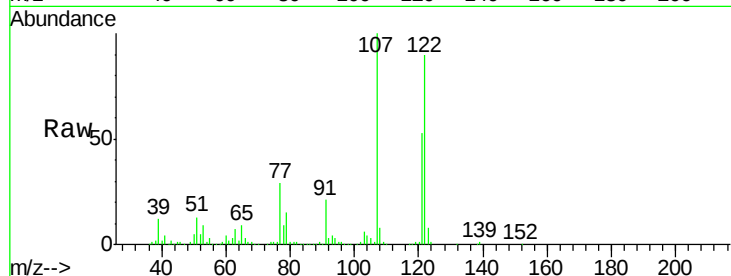
ClientSampleId :

HD-02-051920MSD

Tgt Ion:	122	Resp:	717298
Ion Ratio	Lower	Upper	
122	100		
107	110.5	85.0	127.6
121	58.0	45.1	67.7

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#28

bis(2-Chloroethoxy)methane

Concen: 46.38 ng

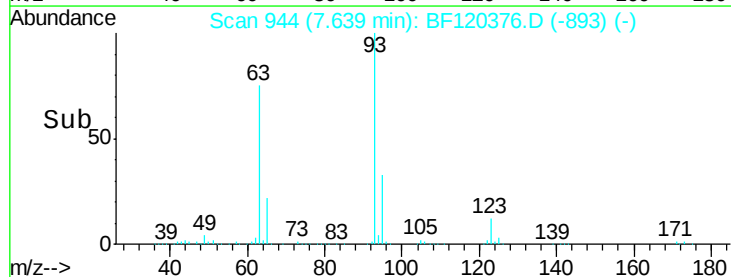
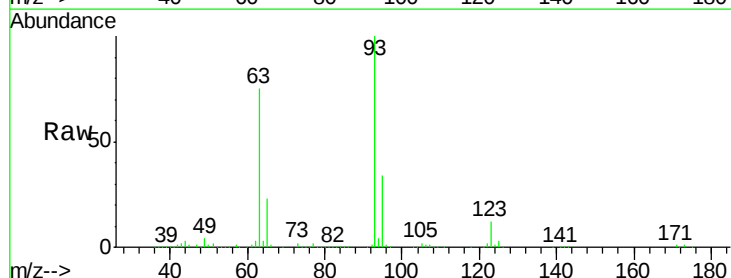
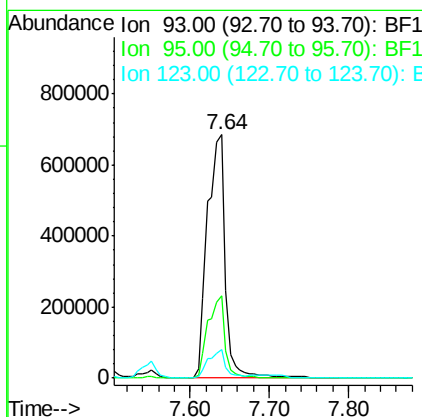
RT: 7.64 min Scan# 944

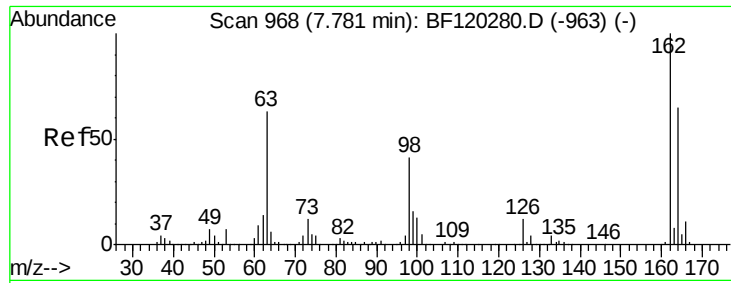
Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:	93	Resp:	1082420
Ion Ratio	Lower	Upper	
93	100		
95	33.6	26.8	40.2
123	11.8	9.2	13.8





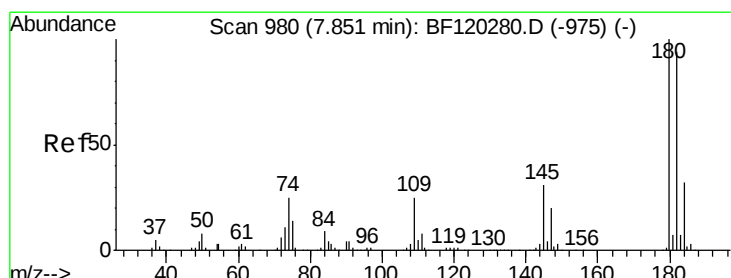
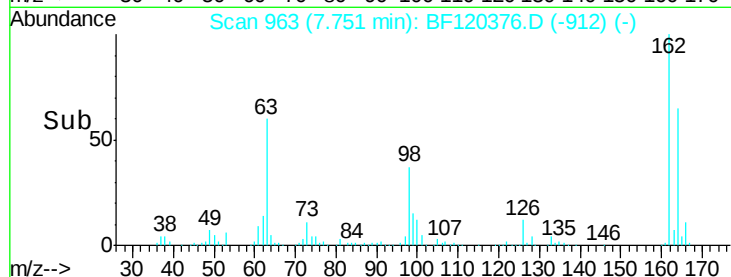
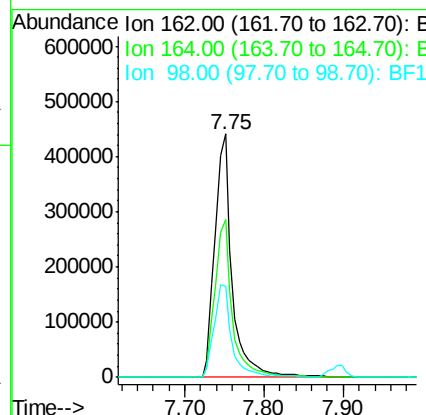
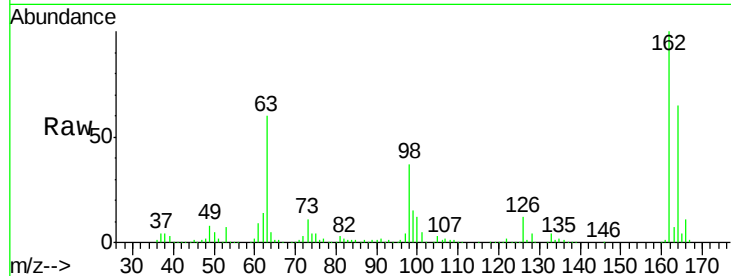
#29
 2,4-Dichlorophenol
 Concen: 44.91 ng
 RT: 7.75 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	673965		
164	64.6	44.9	84.9	
98	37.3	20.7	60.7	

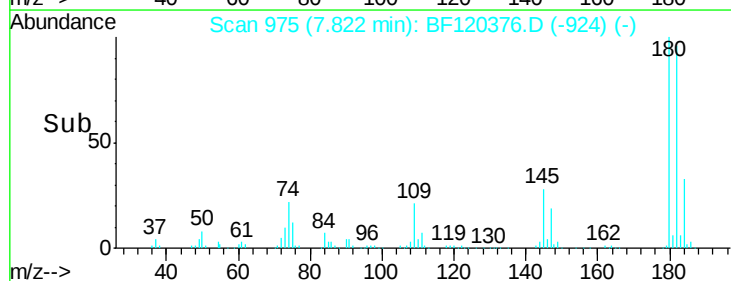
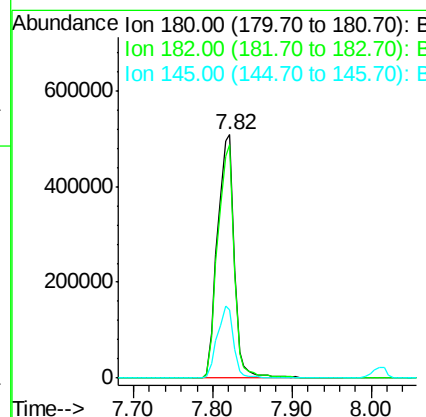
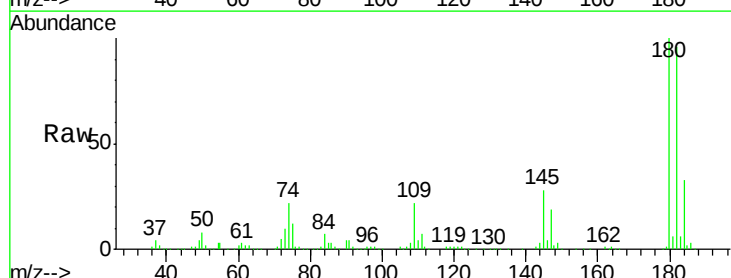
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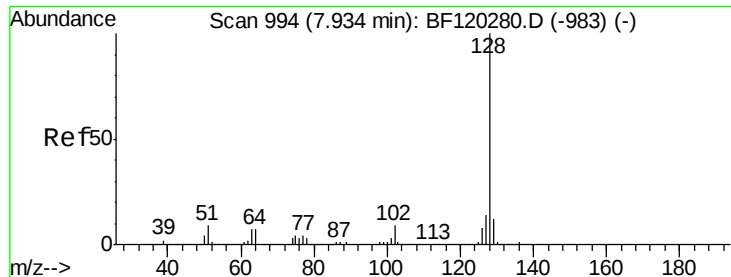
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 45.12 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	750316		
182	95.7	75.3	112.9	
145	28.1	24.9	37.3	





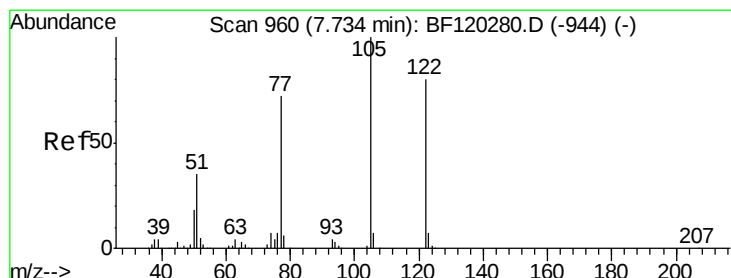
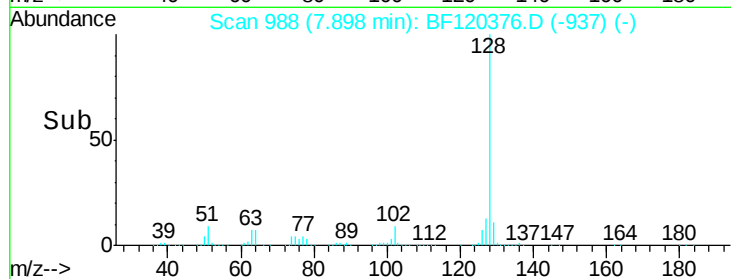
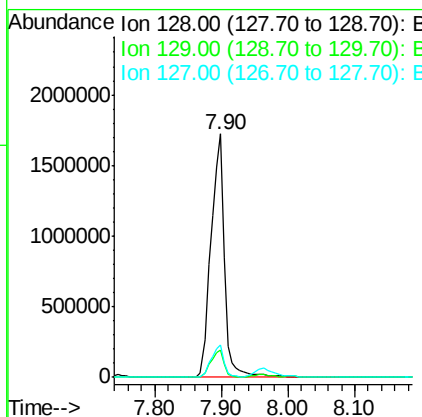
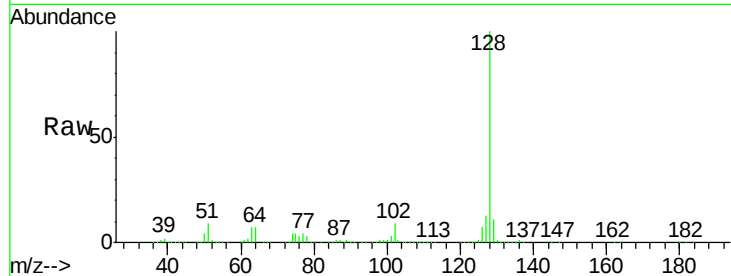
#31
Naphthalene
Concen: 47.85 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion:128 Resp: 2467471
Ion Ratio Lower Upper
128 100
129 11.2 9.3 13.9
127 13.4 11.2 16.8

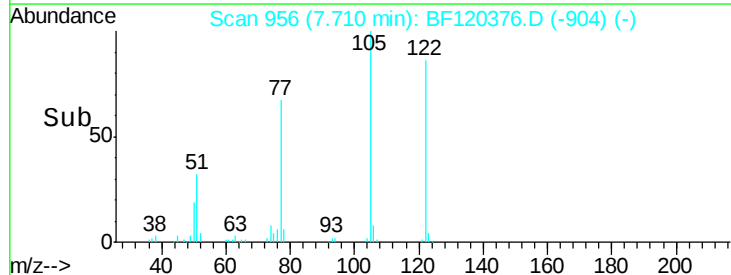
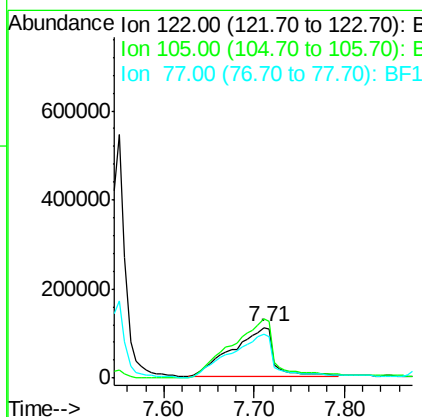
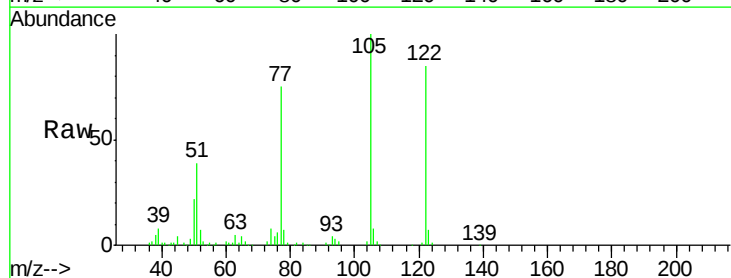
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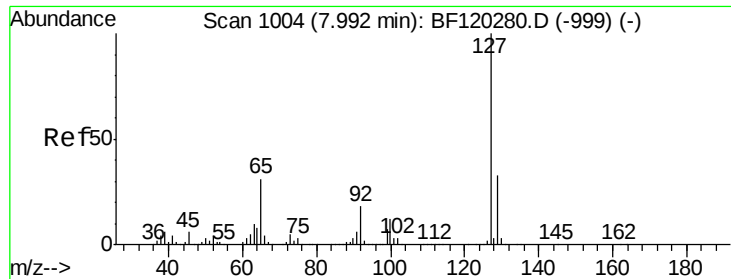
mohammad
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#32
Benzoic acid
Concen: 37.61 ng
RT: 7.71 min Scan# 956
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:122 Resp: 360177
Ion Ratio Lower Upper
122 100
105 117.2 98.1 138.1
77 88.4 66.7 106.7





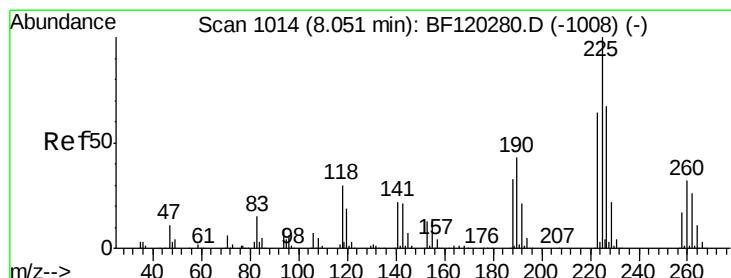
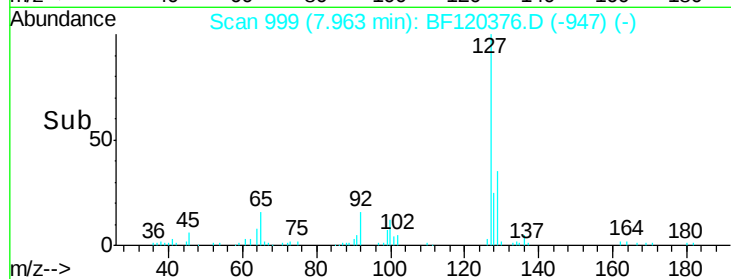
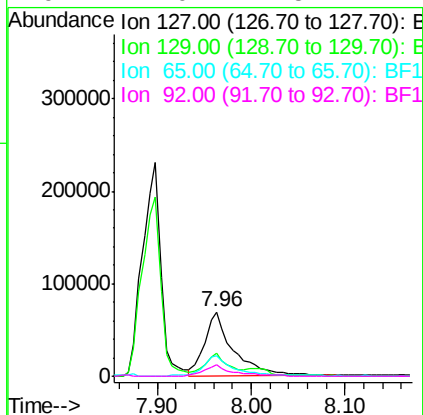
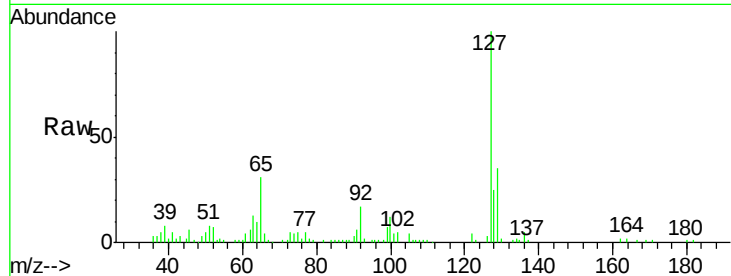
#33
4-Chloroaniline
Concen: 6.15 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	35.0	26.4	39.6
65	31.4	24.8	37.2
92	17.0	14.5	21.7

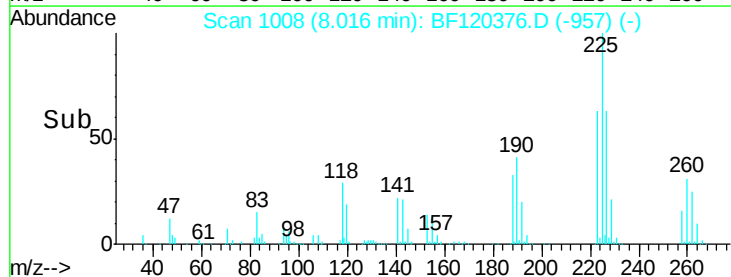
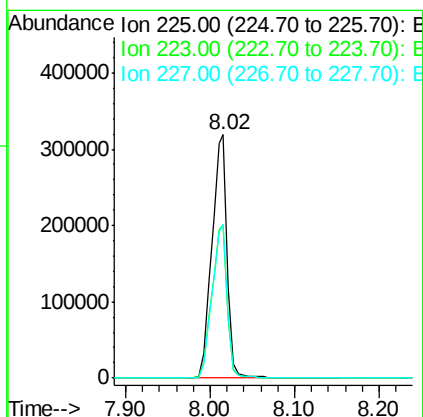
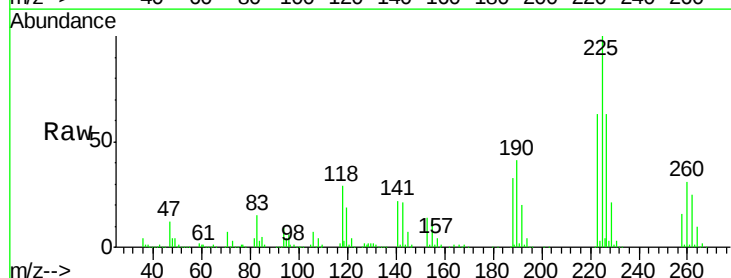
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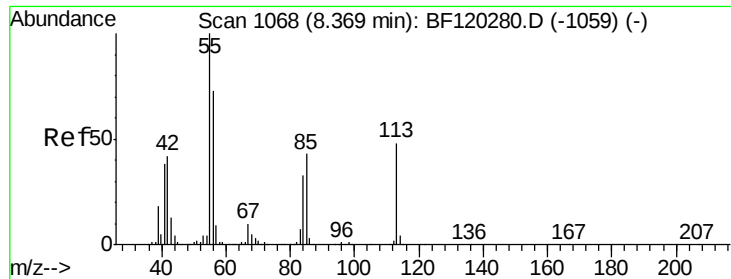
mohammad
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#34
Hexachlorobutadiene
Concen: 42.84 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.4	77.0
227	63.1	54.0	81.0





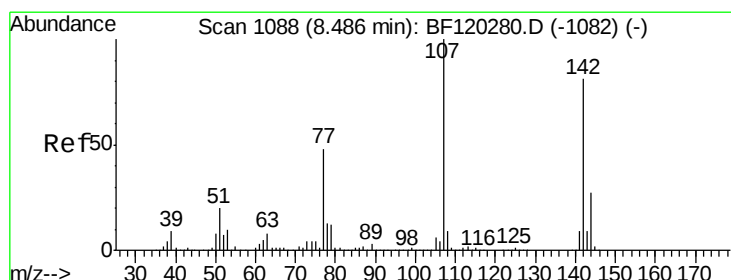
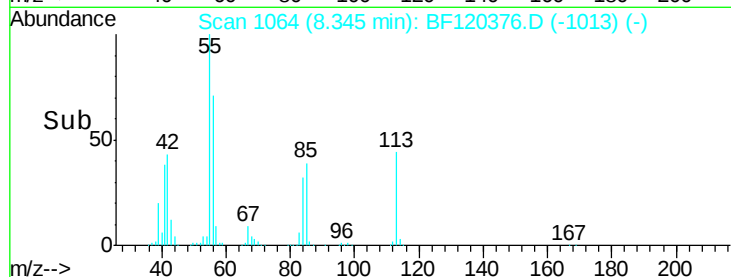
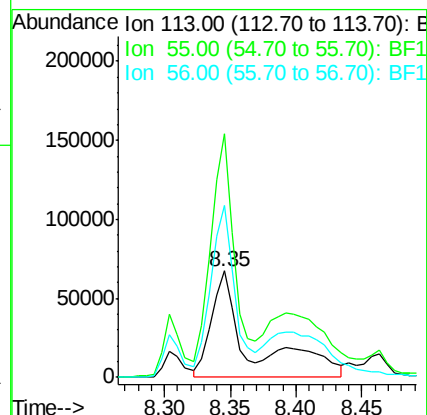
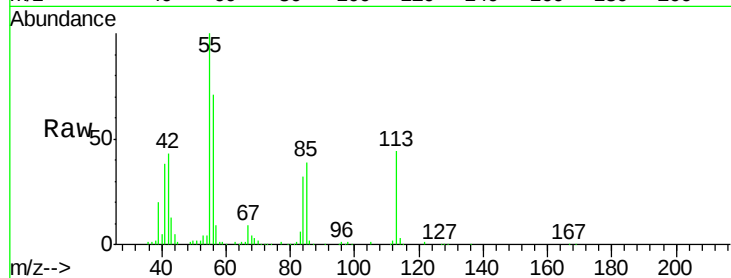
#35
 Caprolactam
 Concen: 28.87 ng m
 RT: 8.35 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	228.9	190.4	230.4	
56	162.0	132.7	172.7	

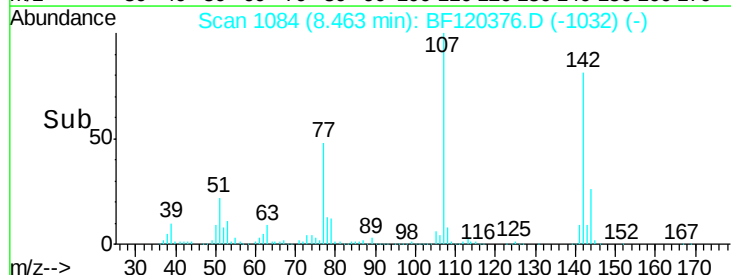
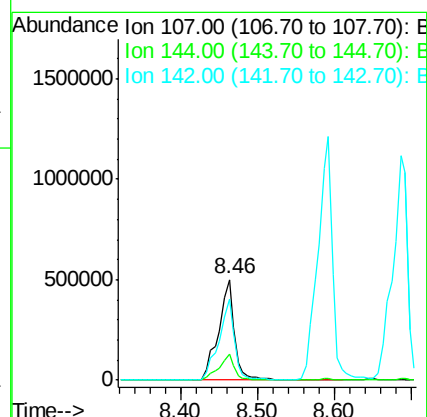
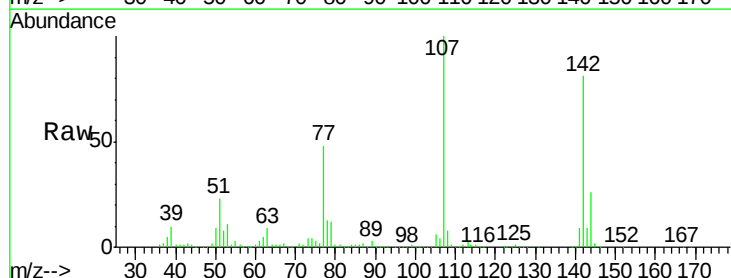
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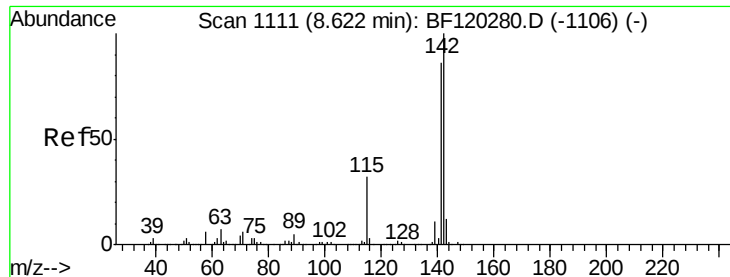
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 44.10 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	26.2	21.4	32.2	
142	80.8	65.1	97.7	





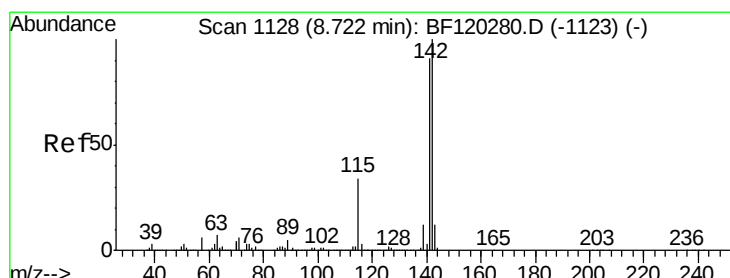
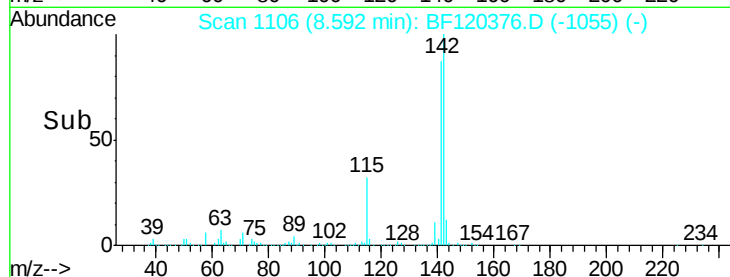
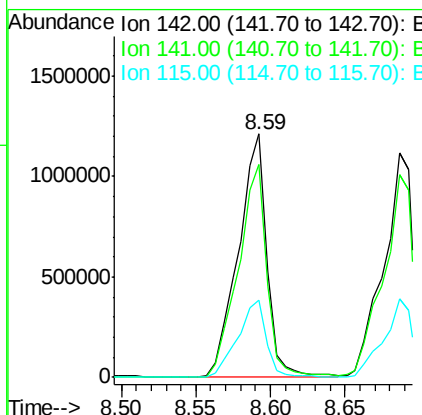
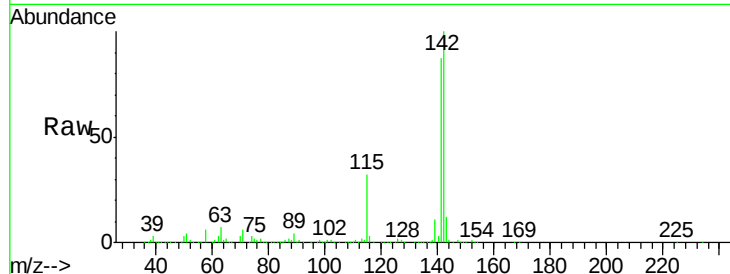
#37
2-Methylnaphthalene
Concen: 45.98 ng
RT: 8.59 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion:142 Resp: 1622660
Ion Ratio Lower Upper
142 100
141 87.3 68.8 103.2
115 31.8 25.7 38.5

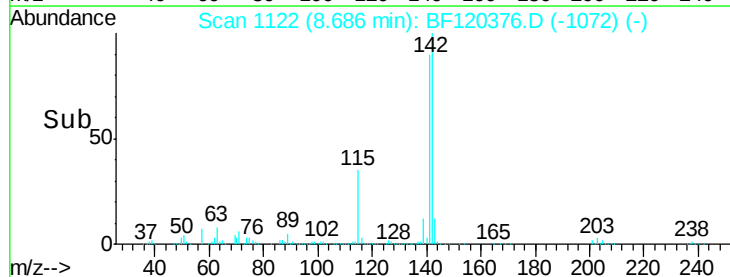
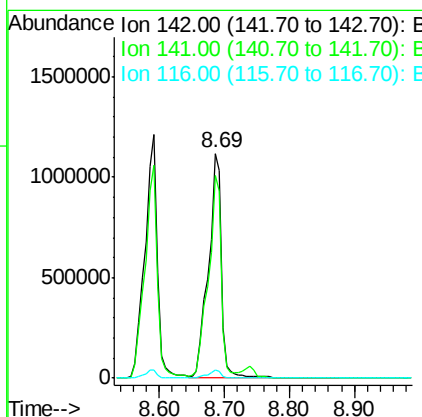
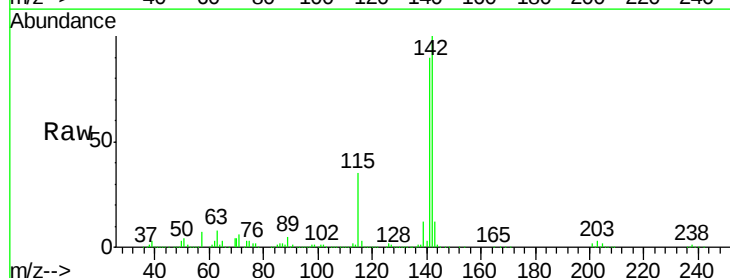
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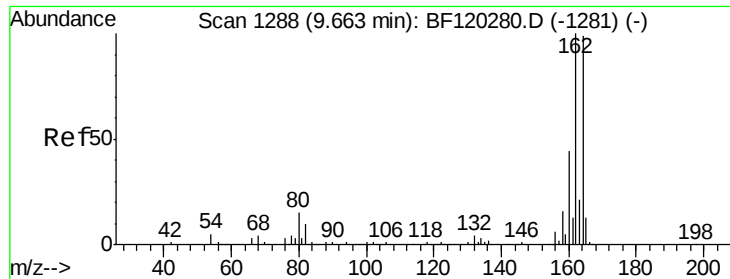
mohammad
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#38
1-Methylnaphthalene
Concen: 45.57 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:142 Resp: 1559578
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.6
116 3.5 2.7 4.1





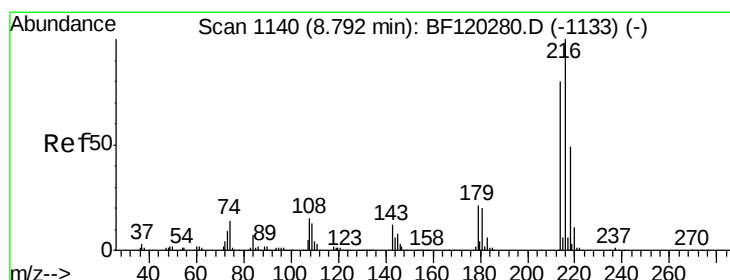
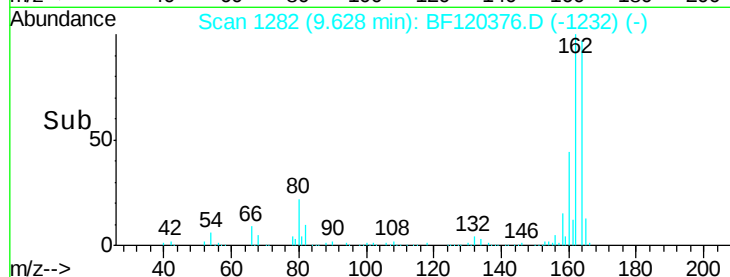
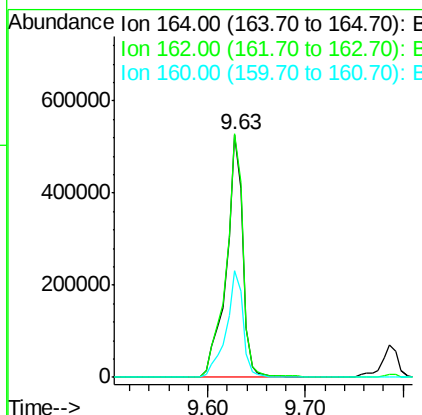
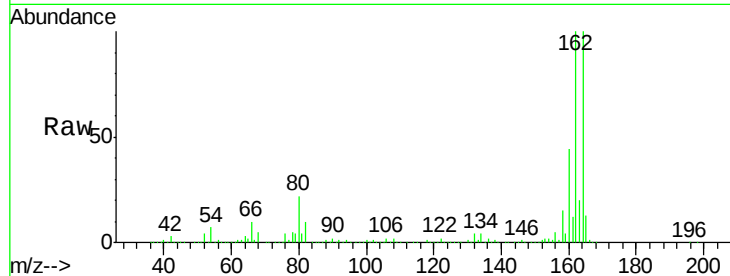
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	621268		
162	100.2	81.2	121.8	
160	44.1	35.8	53.6	

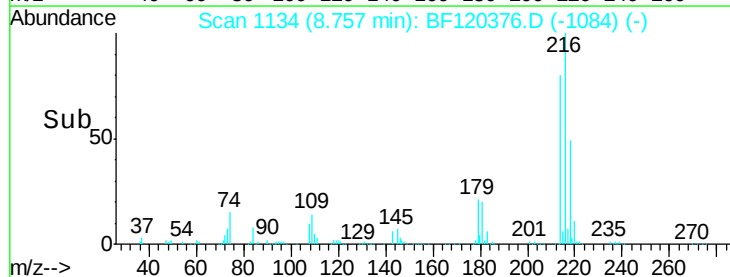
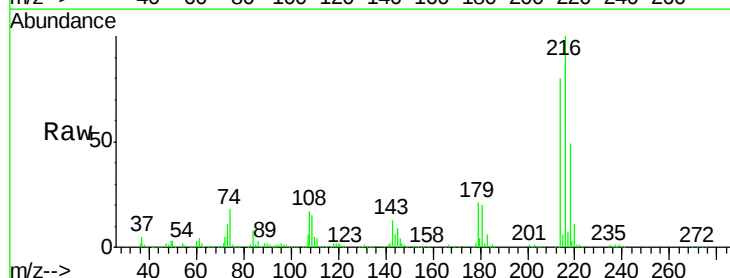
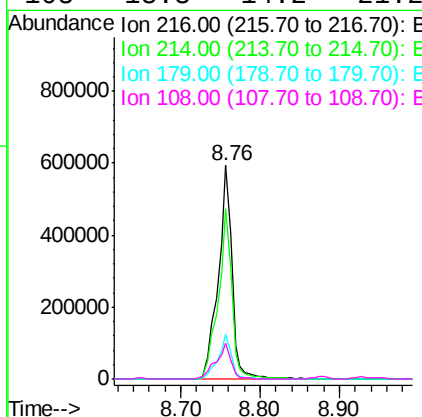
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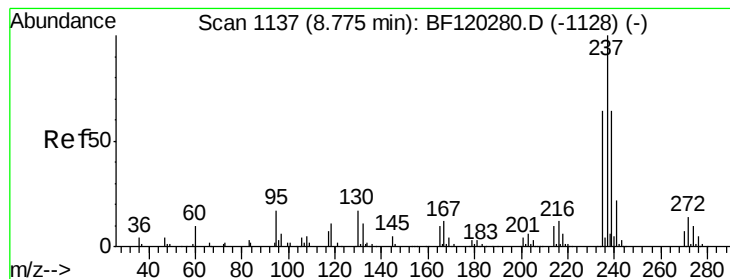
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.99 ng
RT: 8.76 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	720533		
214	78.6	64.0	96.0	
179	20.6	16.9	25.3	
108	18.3	14.2	21.2	





#41

Hexachlorocyclopentadiene

Concen: 76.06 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_F

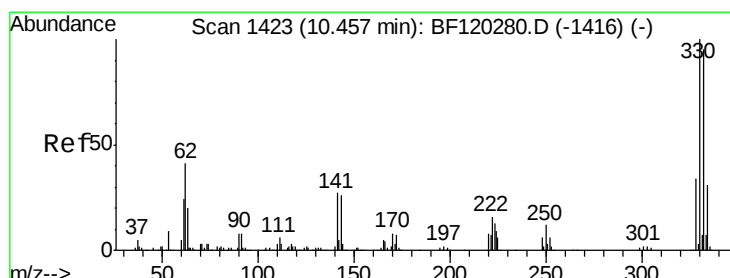
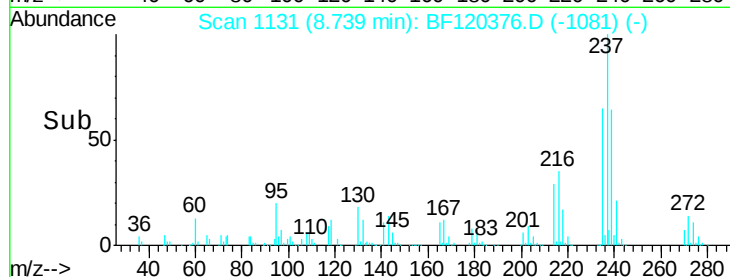
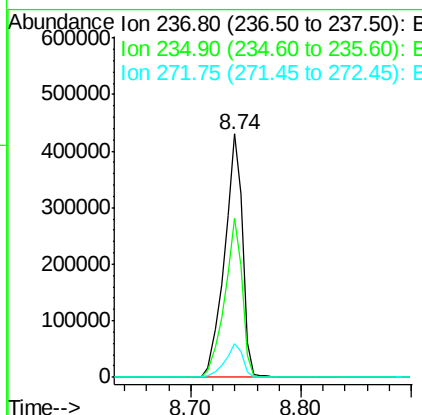
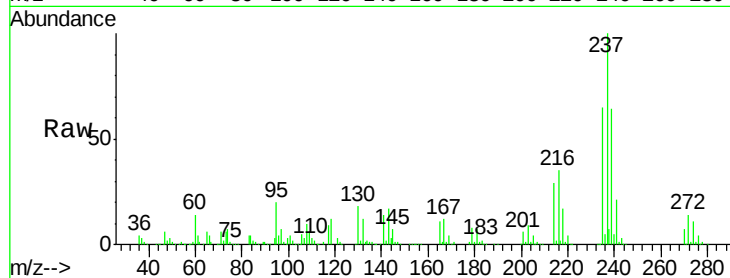
ClientSampleId :

HD-02-051920MSD

Tgt Ion:	237	Resp:	489215
Ion Ratio	Lower	Upper	
237	100		
235	65.3	43.8	83.8
272	13.6	0.0	33.9

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#42

2,4,6-Tribromophenol

Concen: 129.07 ng

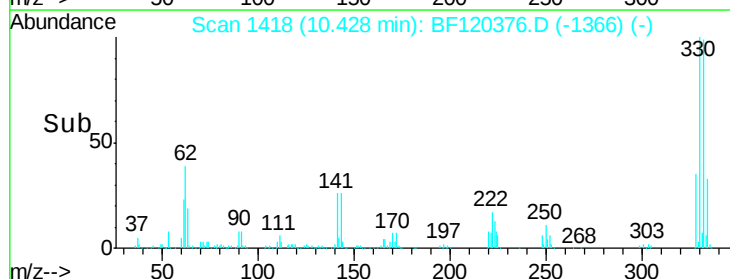
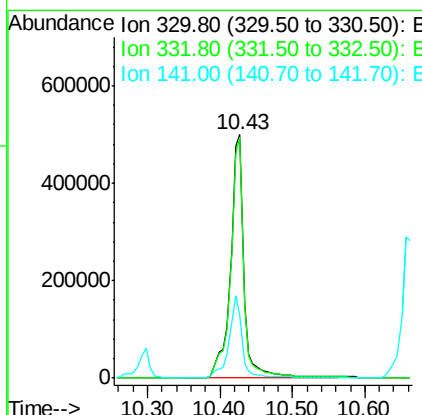
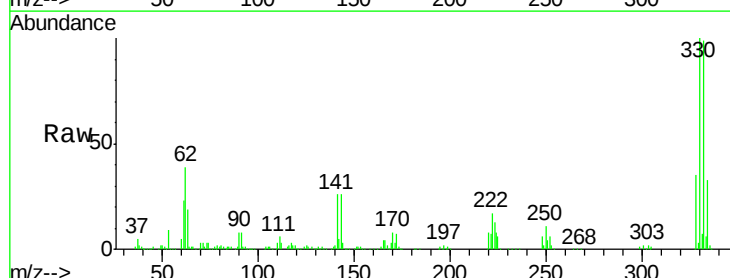
RT: 10.43 min Scan# 1418

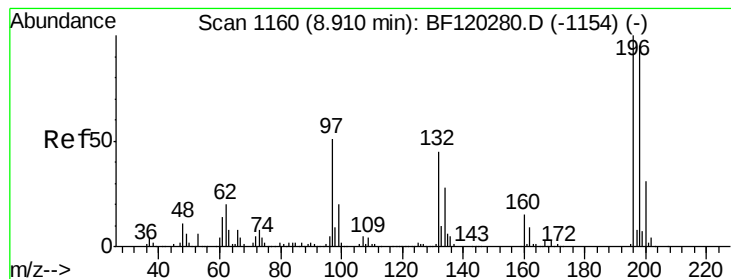
Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:	330	Resp:	653822
Ion Ratio	Lower	Upper	
330	100		
332	97.5	76.5	114.7
141	31.6	25.4	38.0





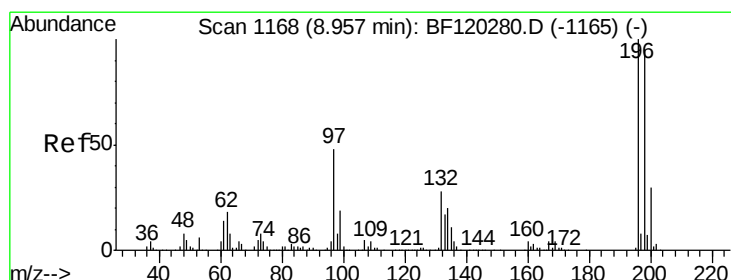
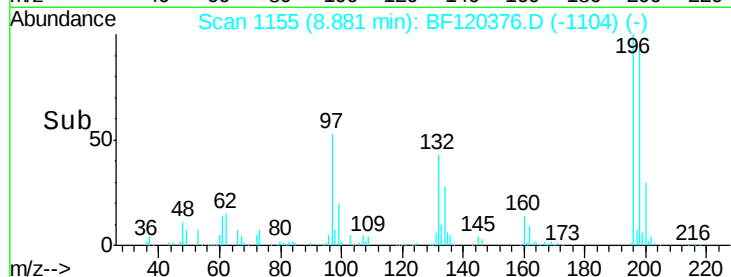
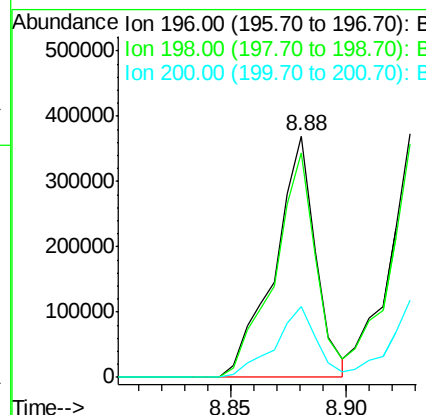
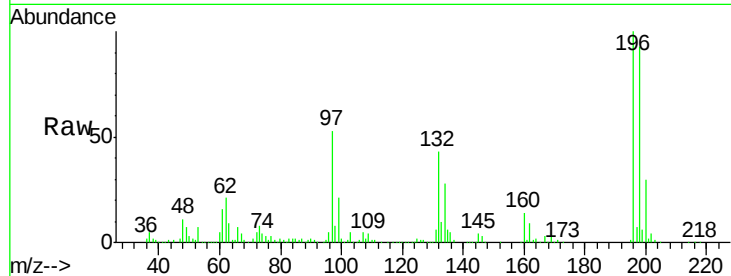
#43
 2,4,6-Trichlorophenol
 Concen: 43.29 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.2	114.4
200	29.6	24.9	37.3

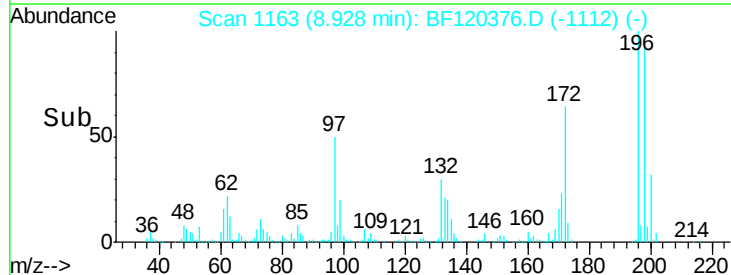
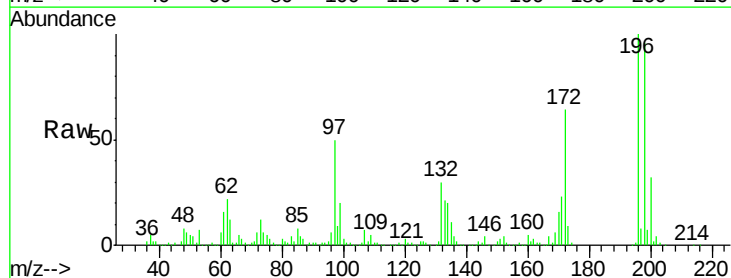
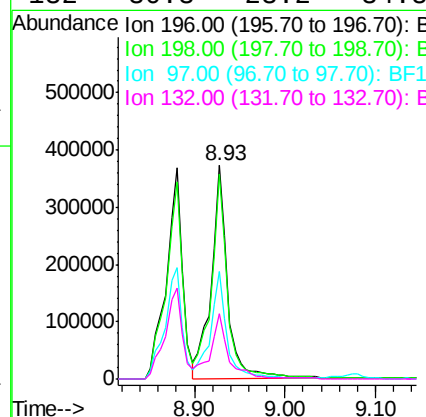
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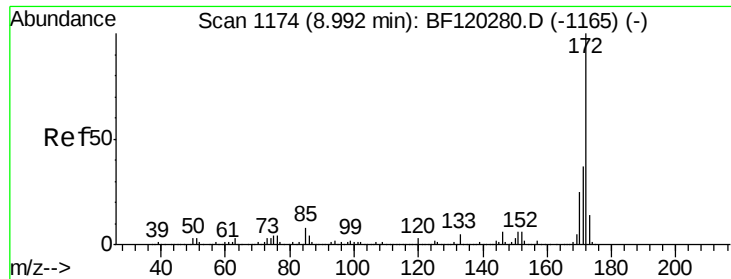
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 39.46 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.4
97	50.2	38.6	57.8
132	30.3	23.2	34.8





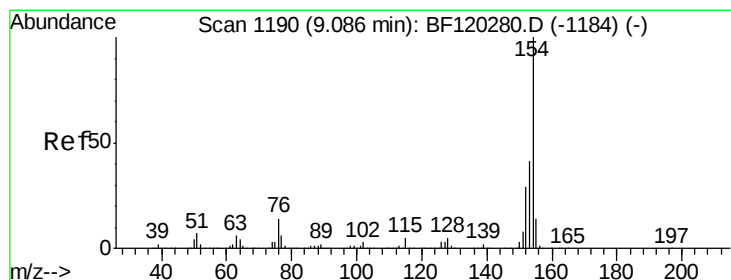
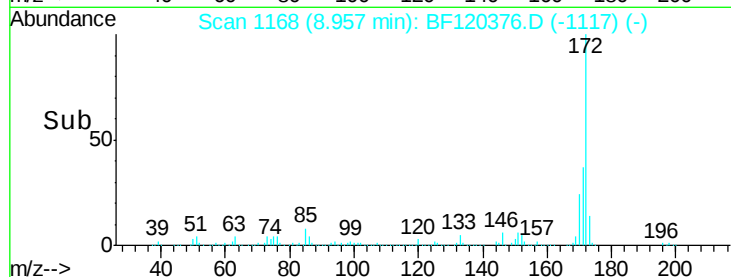
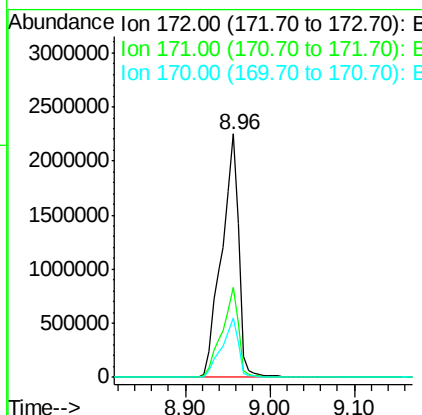
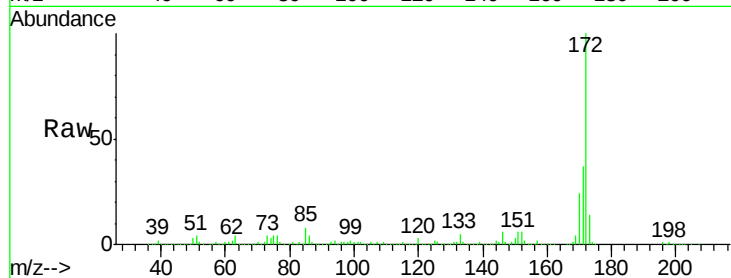
#45
2-Fluorobiphenyl
Concen: 105.36 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion:172 Resp: 3185980
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.4 19.9 29.9

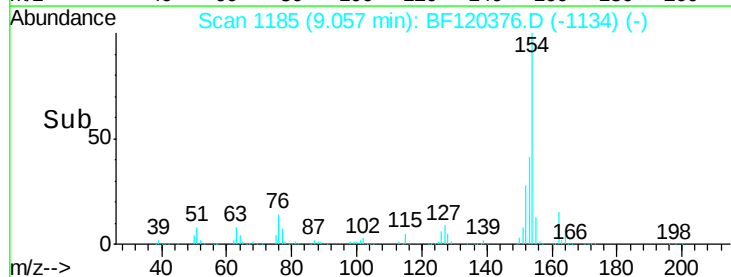
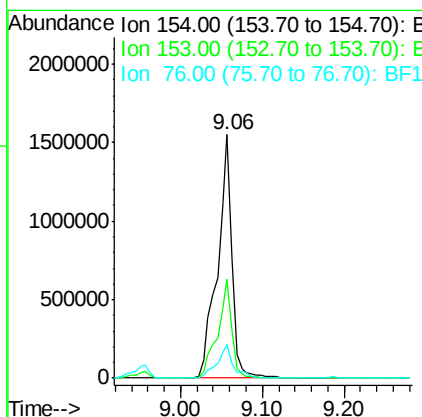
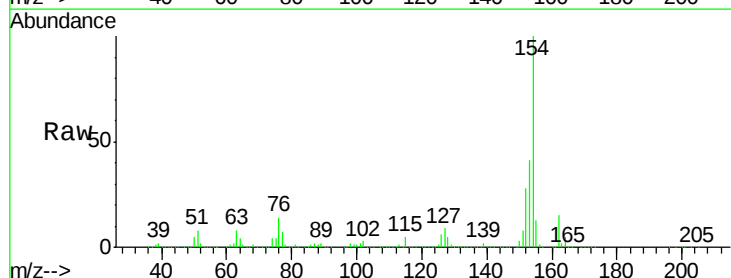
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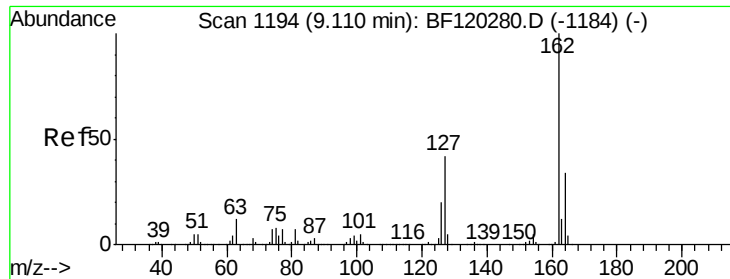
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#46
1,1'-Biphenyl
Concen: 47.68 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:154 Resp: 1940834
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 13.9 0.0 34.3





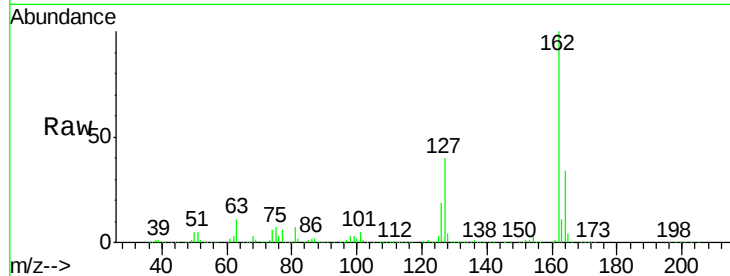
#47
 2-Chloronaphthalene
 Concen: 44.14 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

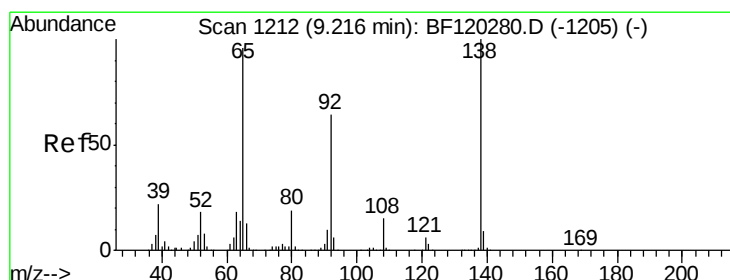
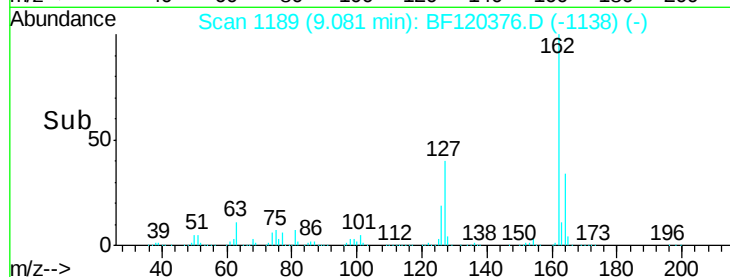
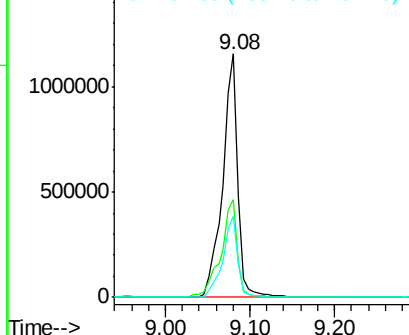
Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.4	50.0
164	33.5	27.0	40.6

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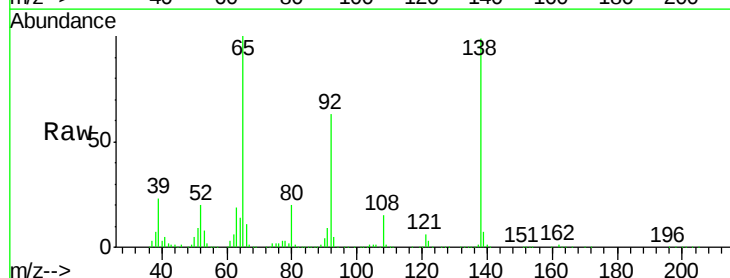


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

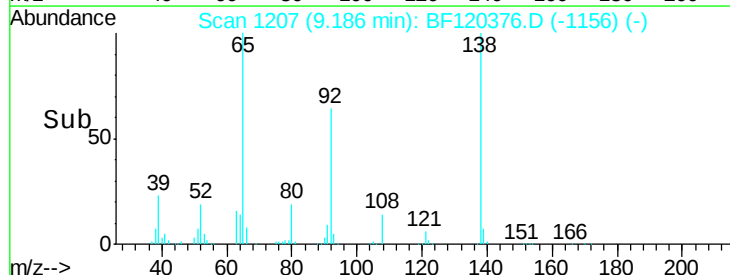
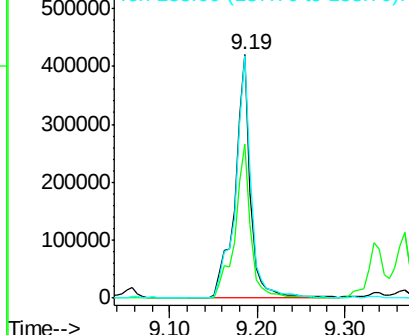


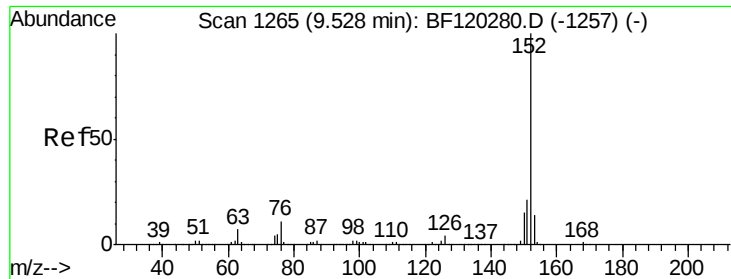
#48
 2-Nitroaniline
 Concen: 42.46 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.3	52.9	79.3
138	99.4	83.0	124.4



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





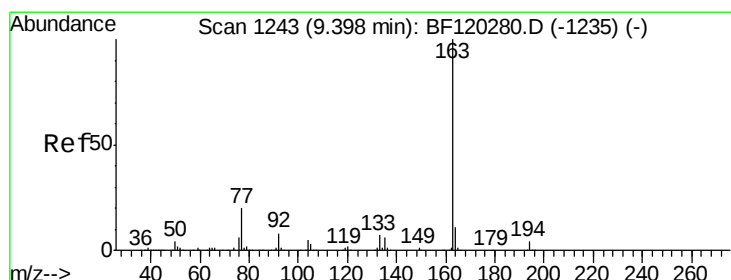
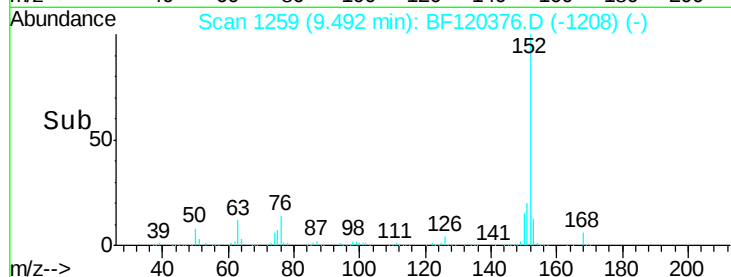
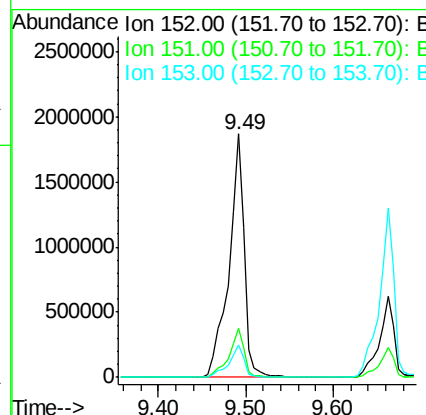
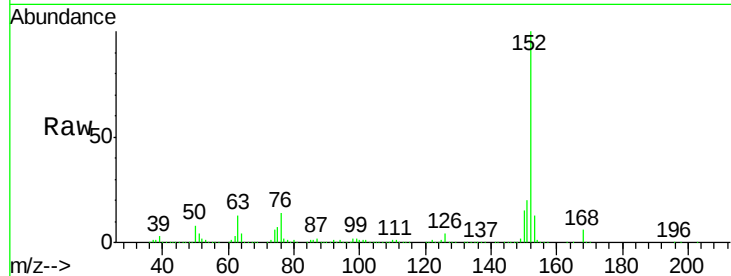
#49
Acenaphthylene
Concen: 45.72 ng
RT: 9.49 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion:152 Resp: 2280239
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0
153 13.2 11.1 16.7

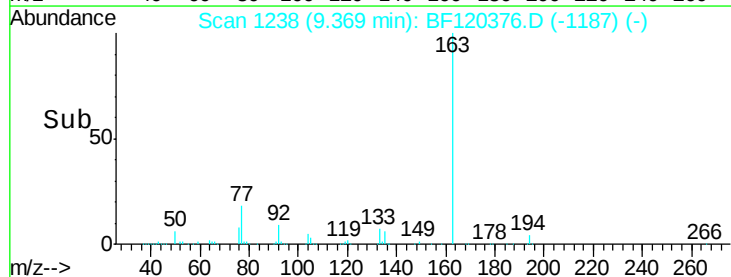
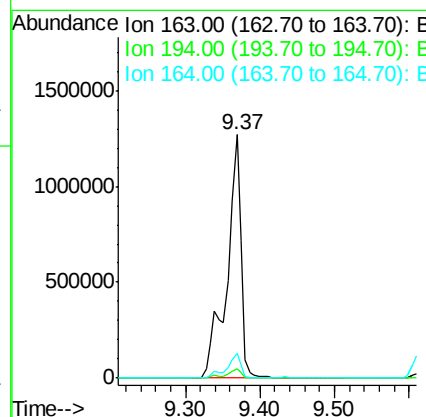
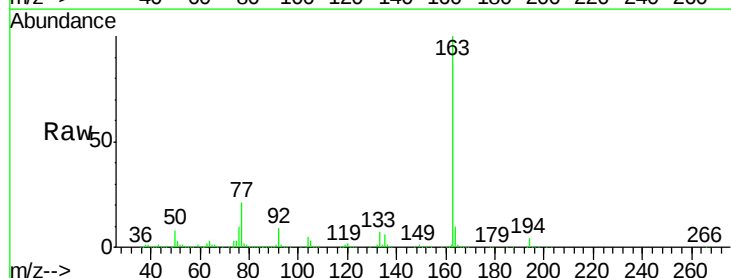
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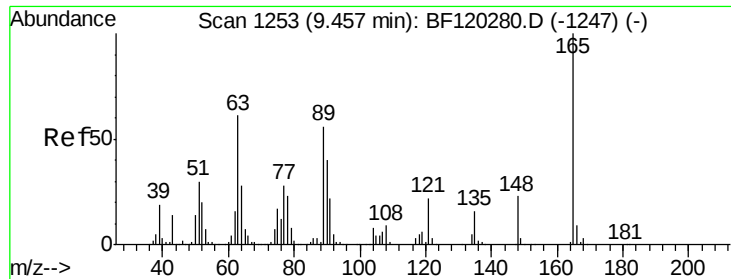
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#50
Dimethylphthalate
Concen: 43.03 ng
RT: 9.37 min Scan# 1238
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:163 Resp: 1689854
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.2 8.6 12.8





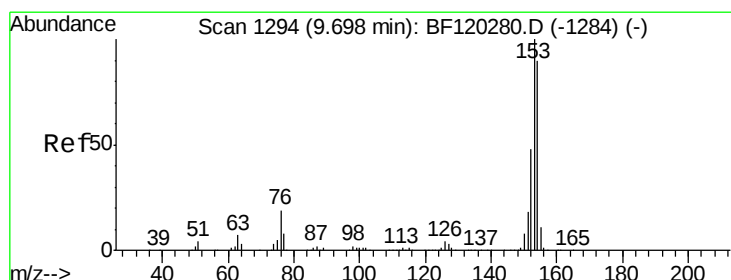
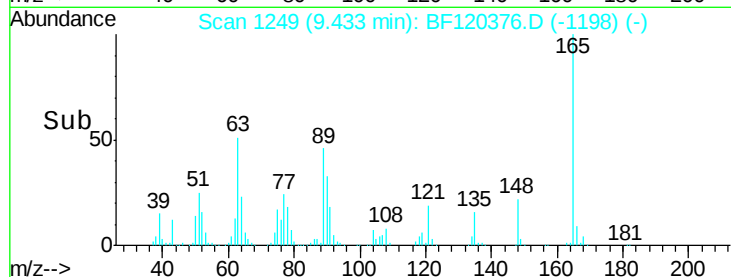
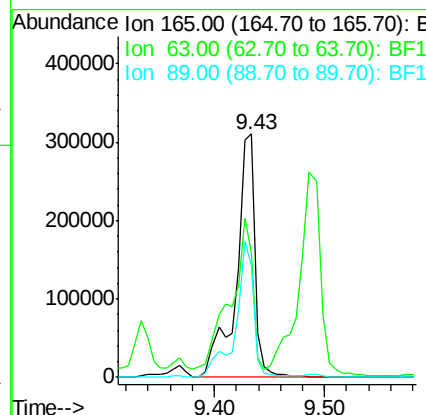
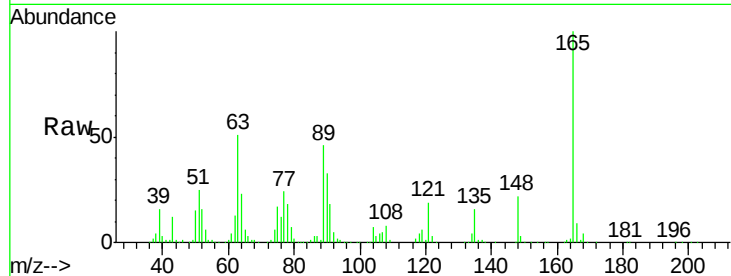
#51
 2,6-Dinitrotoluene
 Concen: 42.75 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	374729		
63	51.1	50.2	75.2	
89	45.7	44.6	66.8	

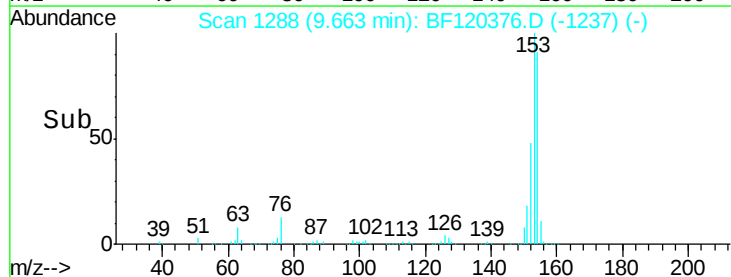
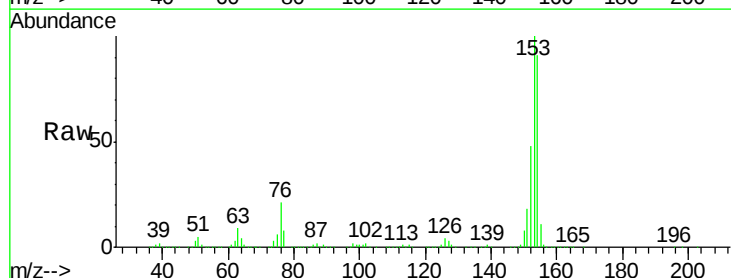
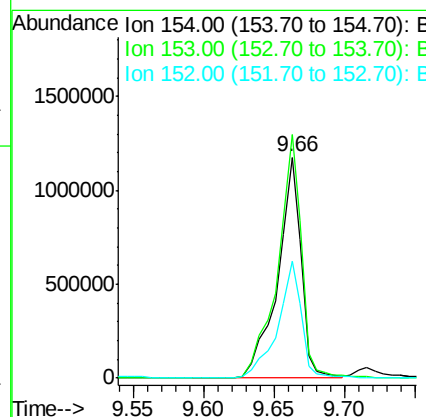
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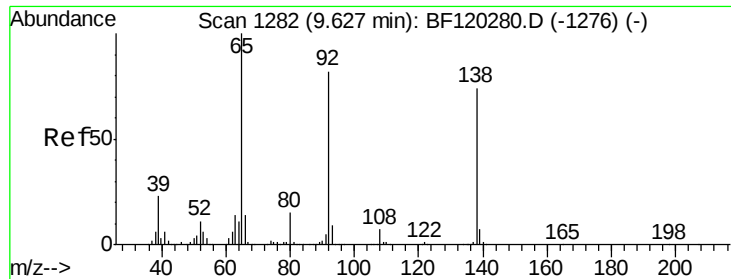
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#52
 Acenaphthene
 Concen: 45.67 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1365367		
153	110.3	89.0	133.4	
152	52.8	42.6	64.0	





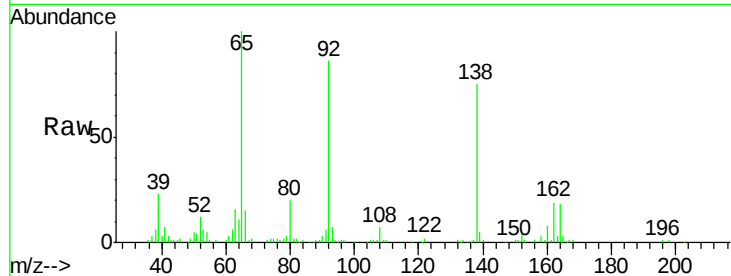
#53
3-Nitroaniline
Concen: 8.98 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

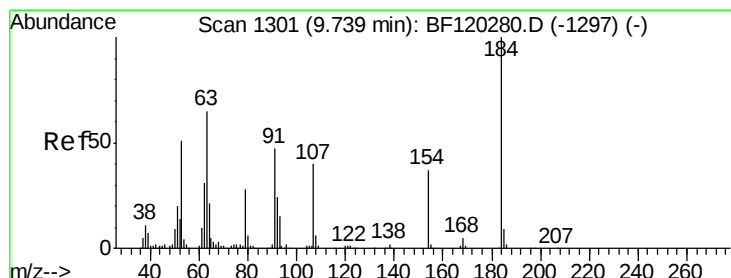
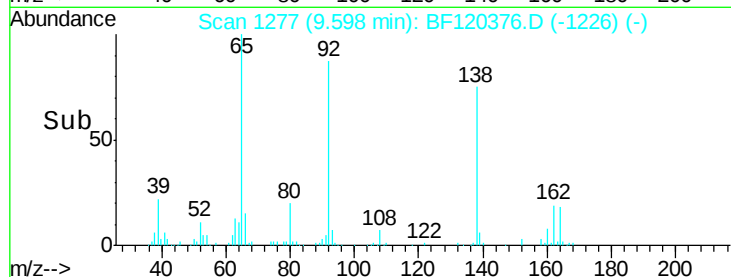
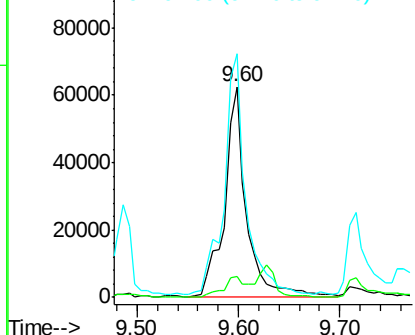
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	93914		
108	9.7	8.2	12.2	
92	115.5	89.6	134.4	

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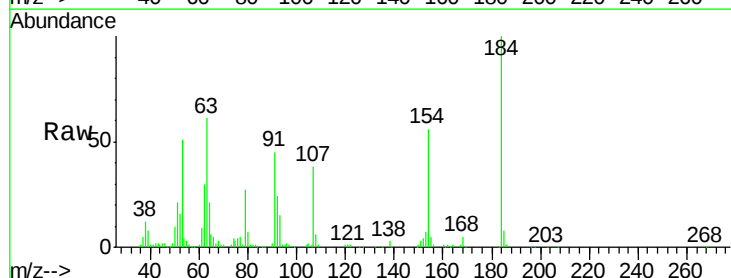


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

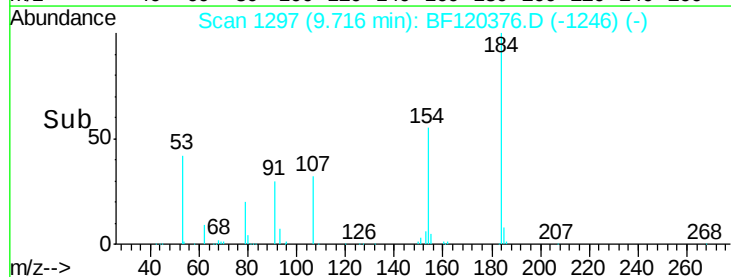
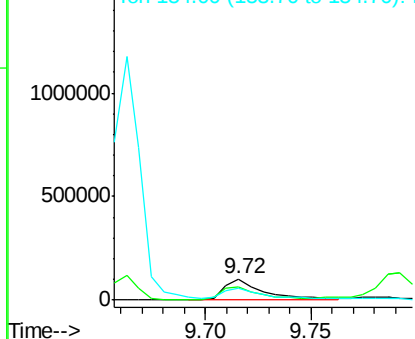


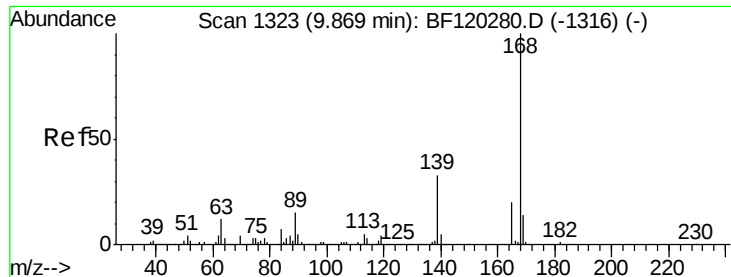
#54
2,4-Dinitrophenol
Concen: 32.62 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	134950		
63	61.3	53.6	80.4	
154	55.8	46.8	70.2	



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





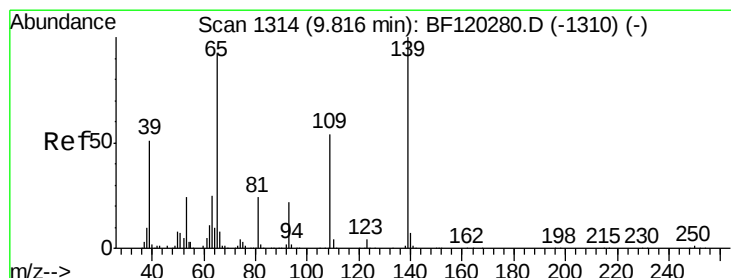
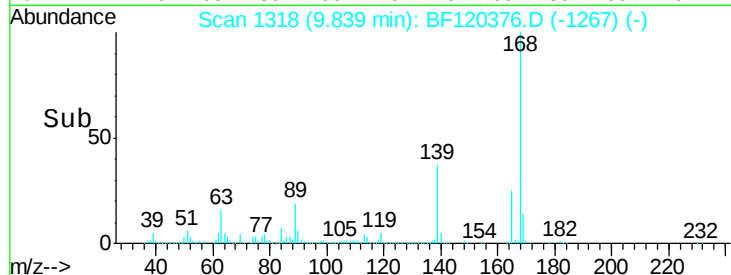
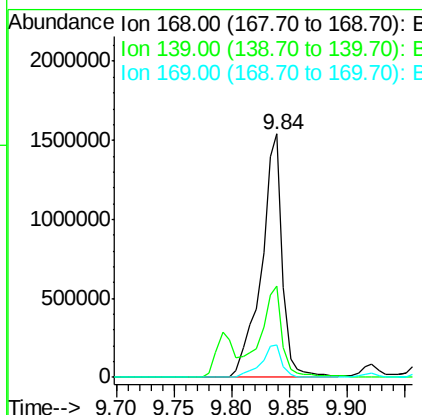
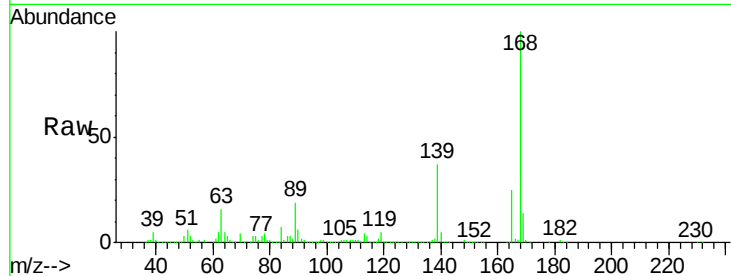
#55
Dibenzofuran
Concen: 45.72 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	11.0	16.6

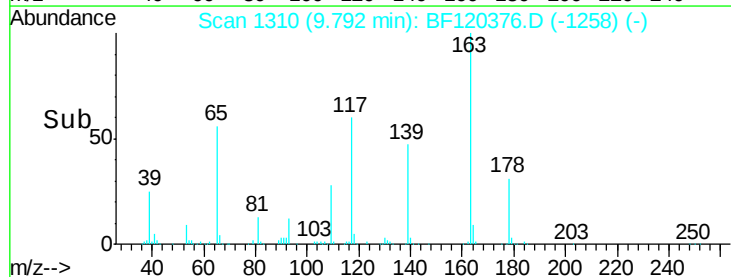
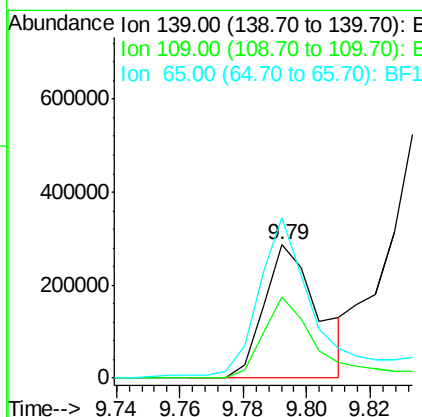
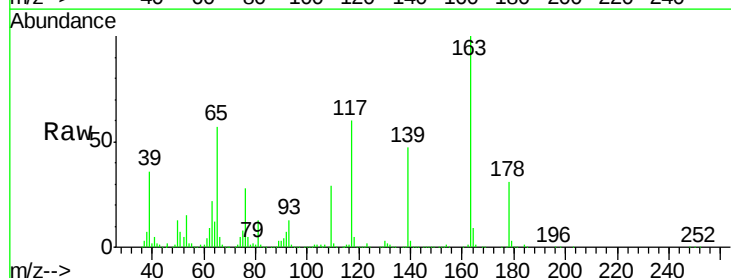
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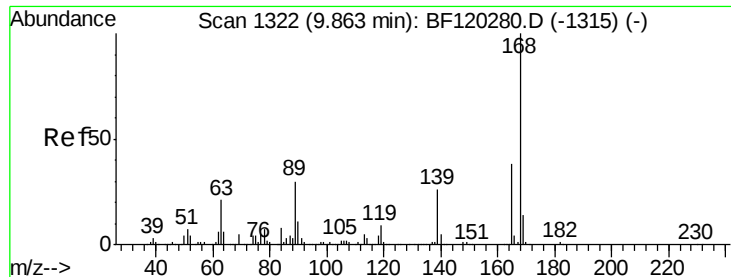
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#56
4-Nitrophenol
Concen: 60.63 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
139	100		
109	60.7	34.6	74.6
65	120.0	73.3	113.3#





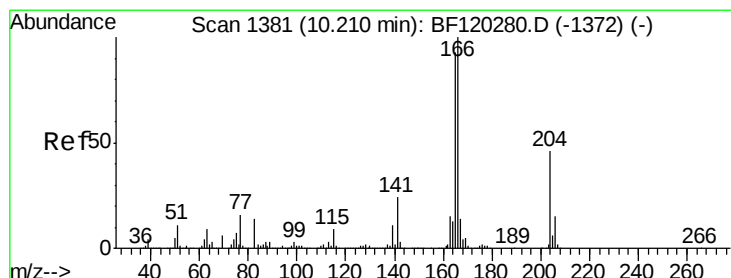
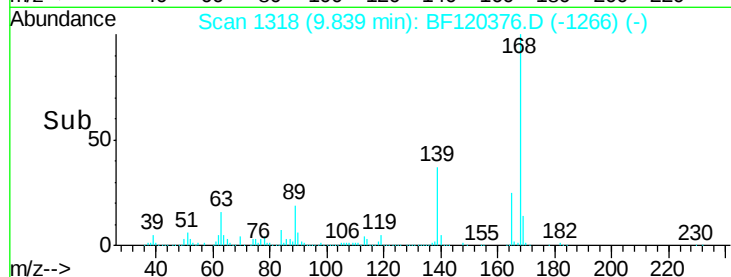
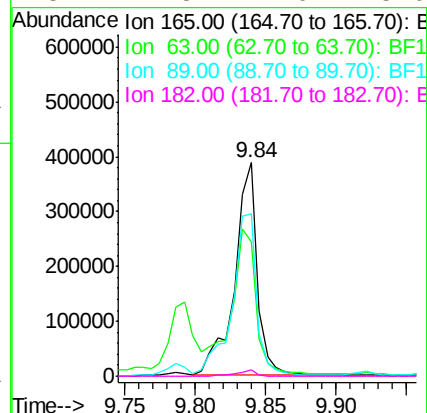
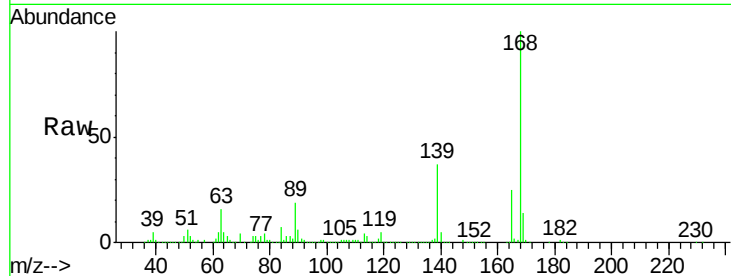
#57
 2,4-Dinitrotoluene
 Concen: 42.19 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	433767		
63	63.1	51.8	77.8	
89	75.9	64.2	96.4	
182	2.8	2.0	3.0	

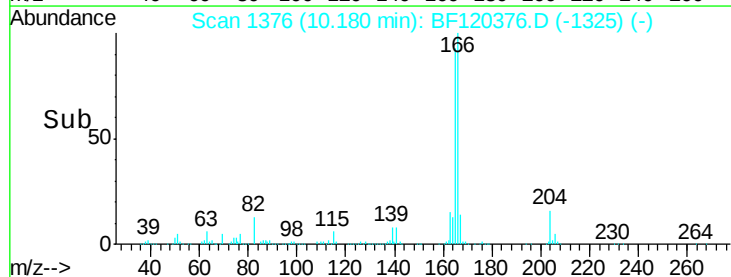
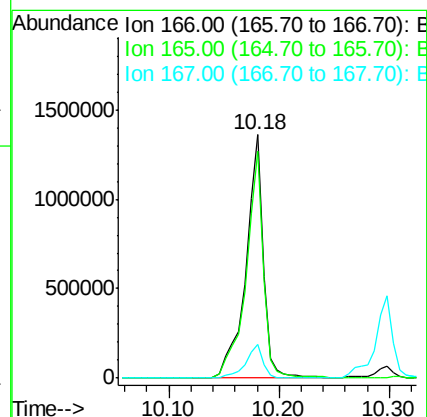
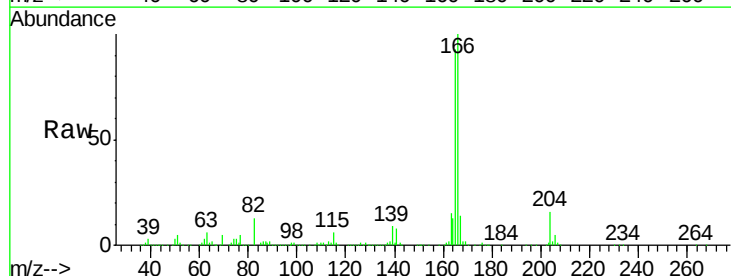
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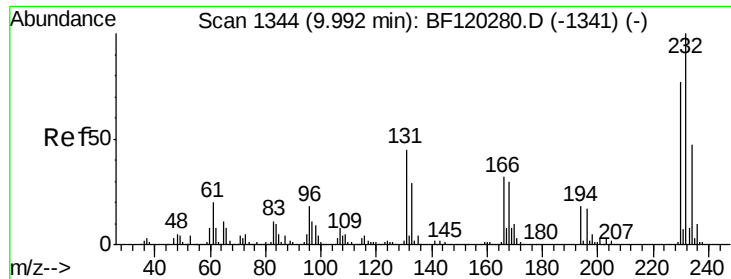
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#58
 Fluorene
 Concen: 46.29 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1517933		
165	93.0	74.7	112.1	
167	13.8	11.4	17.0	





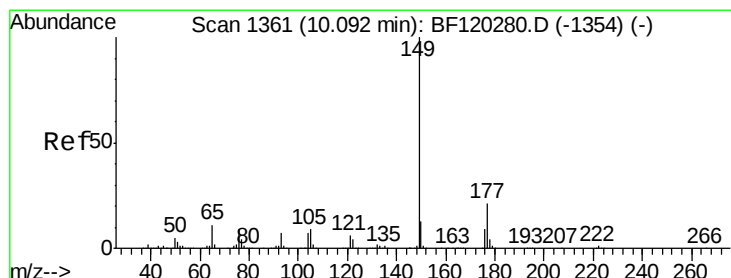
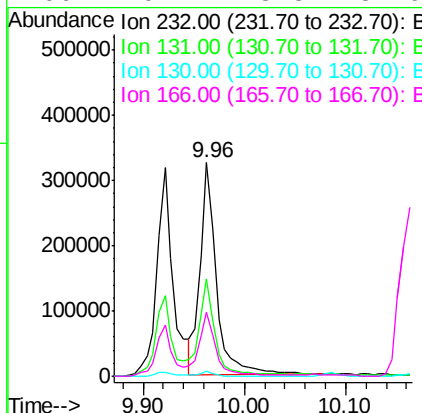
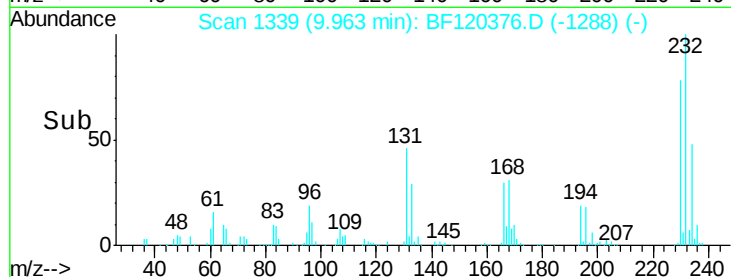
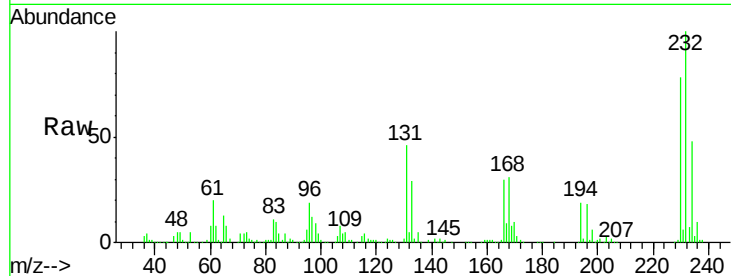
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.62 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	369170		
131	44.1	34.1	51.1	
130	2.4	1.7	2.5	
166	29.7	23.3	34.9	

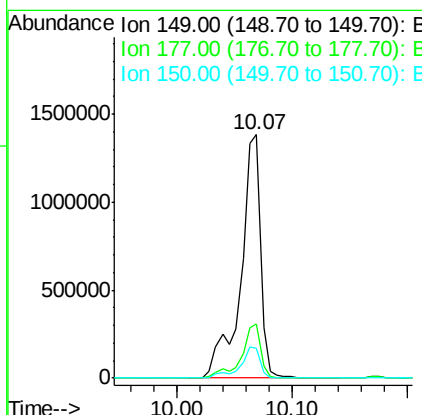
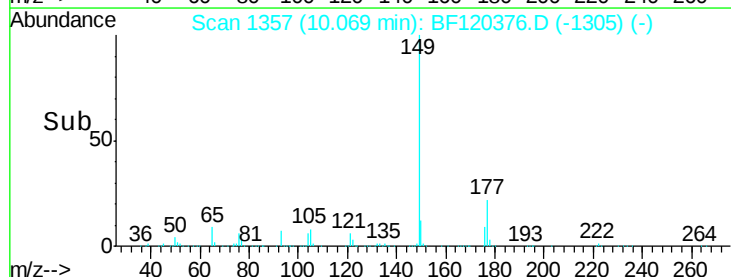
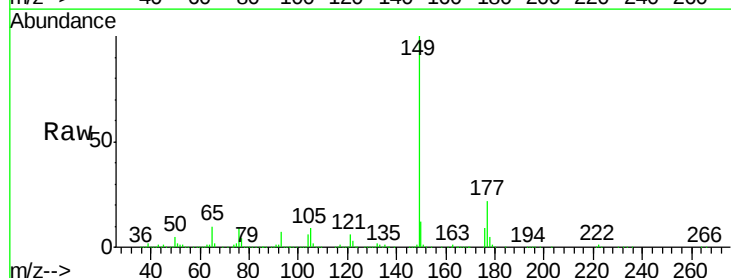
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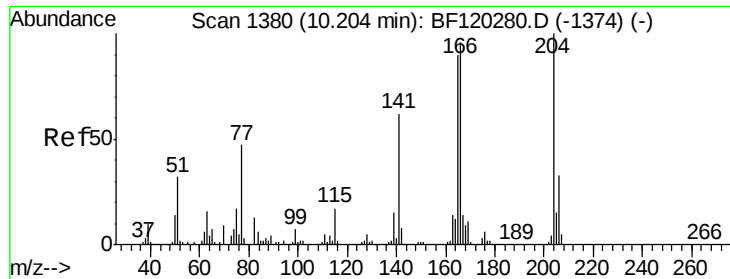
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#60
 Diethylphthalate
 Concen: 43.88 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1663850		
177	22.4	17.1	25.7	
150	12.4	10.3	15.5	





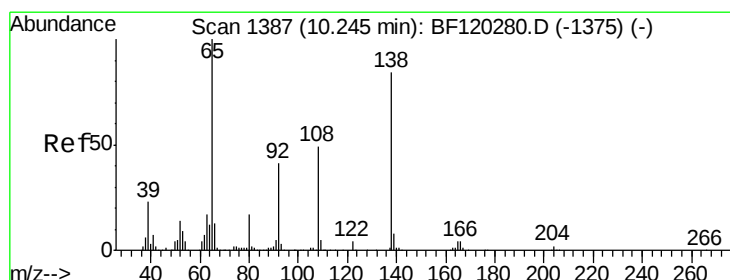
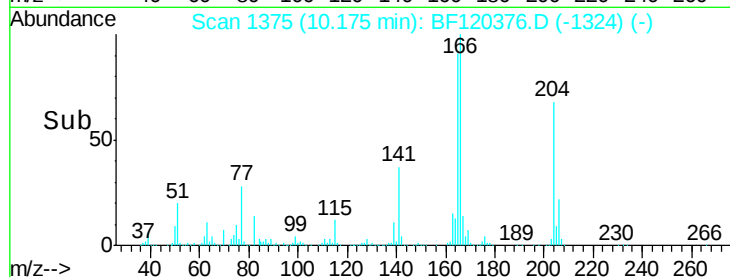
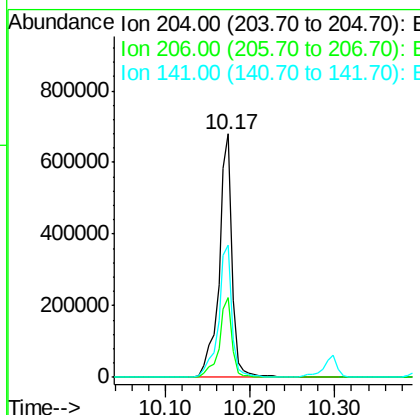
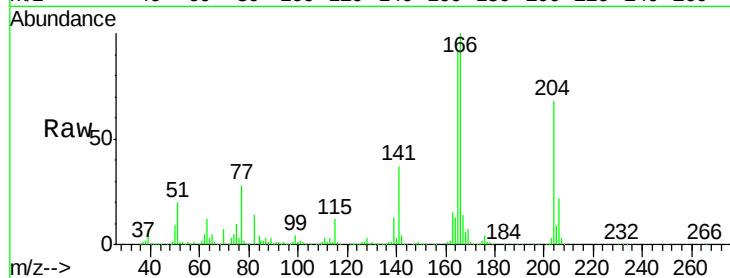
#61
4-Chlorophenyl-phenylether
Concen: 43.41 ng
RT: 10.17 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.8	40.2
141	54.1	49.5	74.3

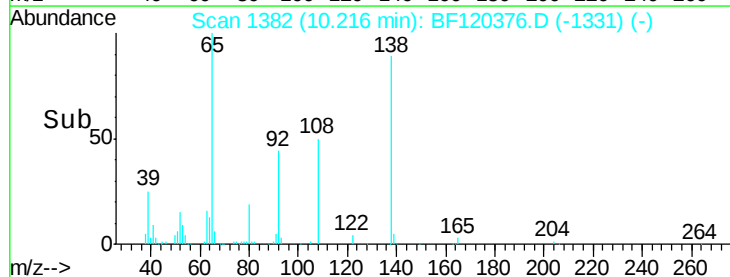
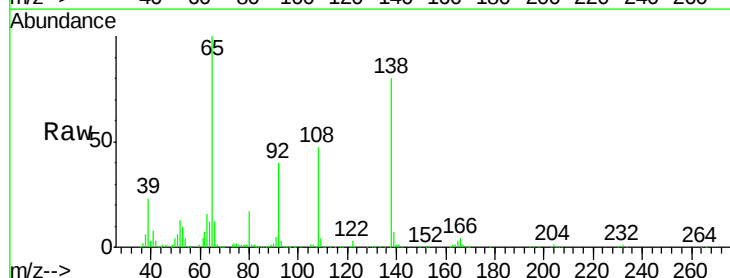
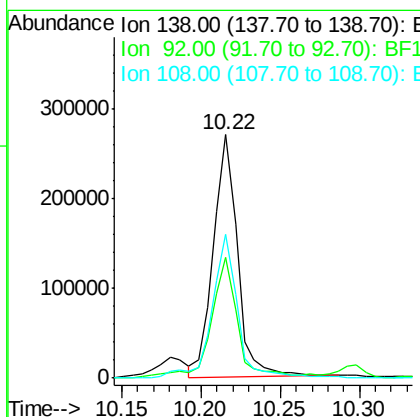
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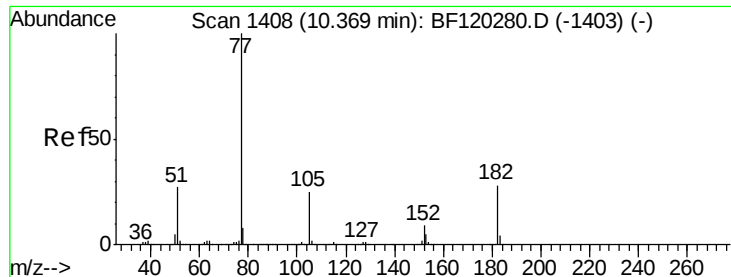
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#62
4-Nitroaniline
Concen: 29.36 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

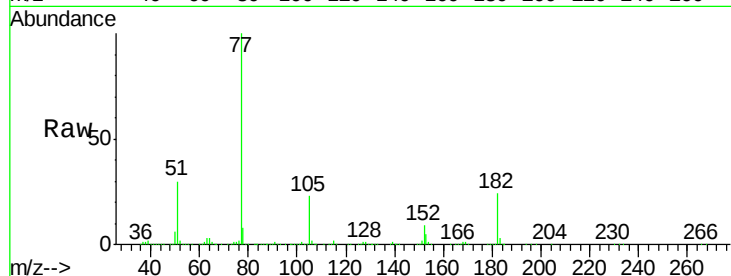
Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.8	28.9	68.9
108	59.0	38.4	78.4





#63
Azobenzene
Concen: 50.59 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

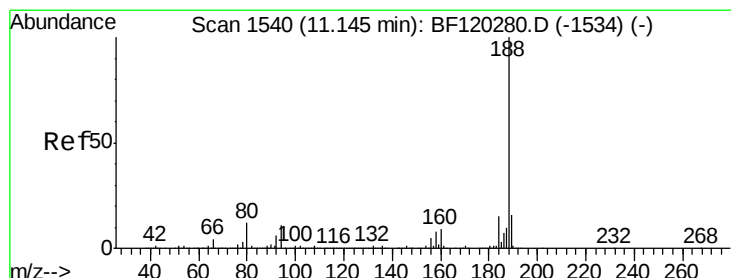
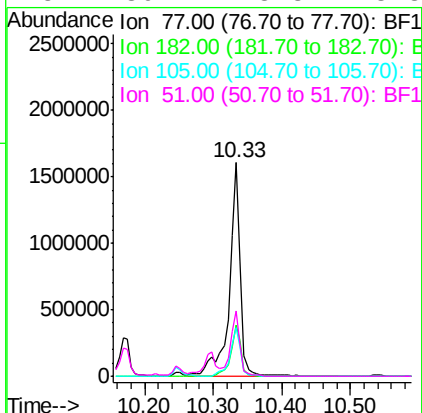
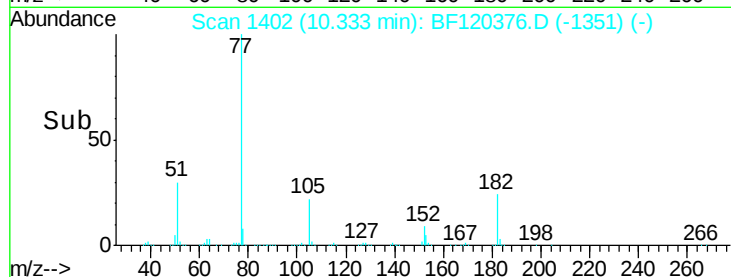
Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD



Tgt Ion: 77 Resp: 1812748
Ion Ratio Lower Upper
77 100
182 24.0 7.4 47.4
105 22.8 4.4 44.4
51 30.4 8.3 48.3

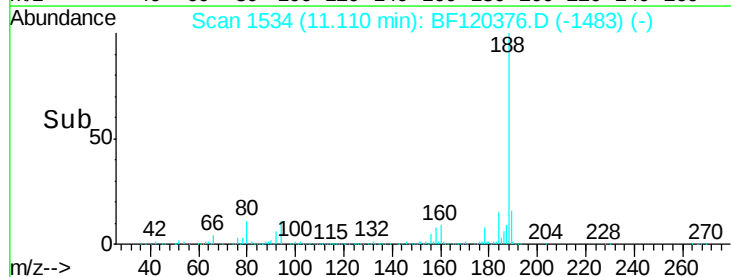
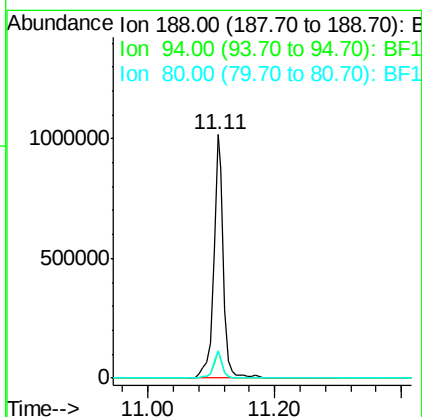
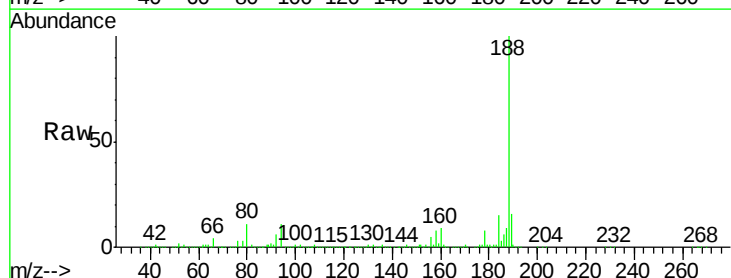
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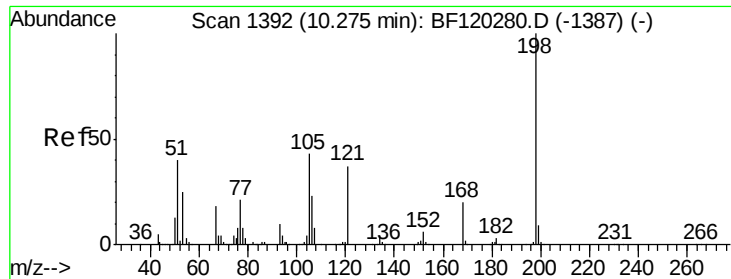
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion: 188 Resp: 1122285
Ion Ratio Lower Upper
188 100
94 11.5 8.6 13.0
80 11.4 9.2 13.8





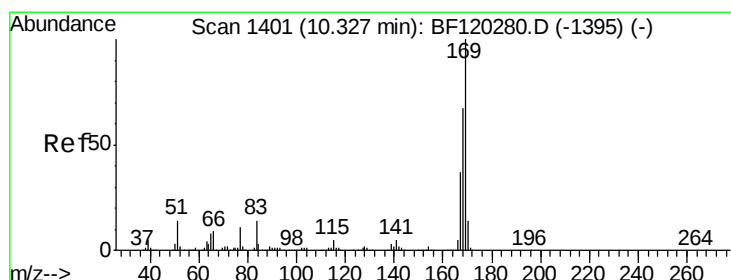
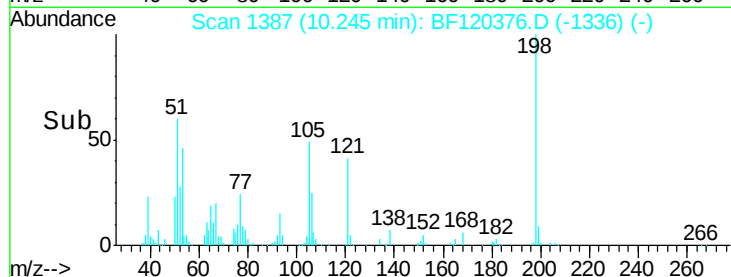
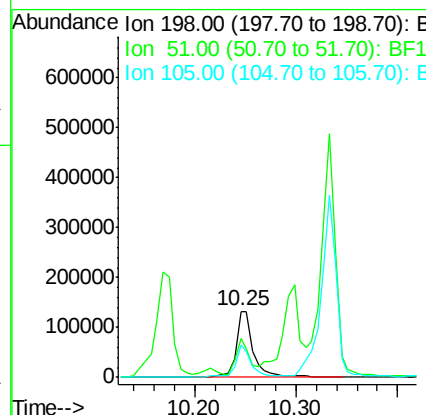
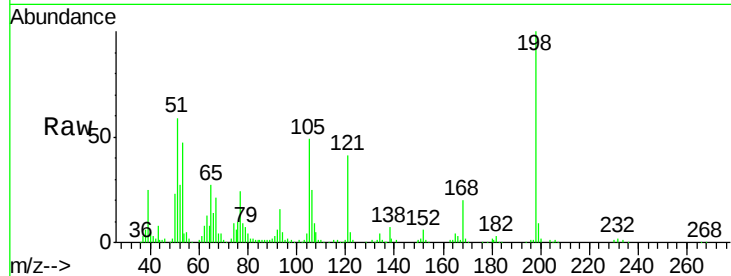
#65
4,6-Dinitro-2-methylphenol
Concen: 27.91 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_F
ClientSampleId :
HD-02-051920MSD

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	158423		
51	58.9	27.1	67.1	
105	48.6	24.3	64.3	

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#66
n-Nitrosodiphenylamine
Concen: 45.37 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1408765		
168	67.3	53.7	80.5	
167	37.1	29.8	44.6	

