

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

Quant Time: May 19 16:49:04 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	14.661	ng	100
3) Pyridine	2.83	79	166736	11.007	ng	97
4) n-Nitrosodimethylamine	2.76	42	103473	17.446	ng	# 92
6) Aniline	6.29	93	228773	11.677	ng	91
8) 2-Chlorophenol	6.39	128	273468	19.362	ng	98
9) Benzaldehyde	6.14	77	152864	16.187	ng	95
10) Phenol	6.27	94	343708	19.220	ng	# 76
11) bis(2-Chloroethyl)ether	6.33	93	257552	18.030	ng	99
12) 1,3-Dichlorobenzene	6.53	146	268560	17.769	ng	97
13) 1,4-Dichlorobenzene	6.61	146	274882	17.659	ng	99
14) 1,2-Dichlorobenzene	6.76	146	257861	18.395	ng	100
15) Benzyl Alcohol	6.75	79	212659	19.540	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.88	45	439133	19.507	ng	84
17) 2-Methylphenol	6.87	107	206432	17.313	ng	94
18) Hexachloroethane	7.10	117	96798	16.323	ng	95
19) n-Nitroso-di-n-propylamine	7.02	70	183220	18.256	ng	91
20) 3+4-Methylphenols	7.03	107	273066	17.615	ng	97
22) Acetophenone	7.01	105	370212	17.207	ng	97
24) Nitrobenzene	7.18	77	270363	16.377	ng	93
25) Isophorone	7.42	82	578638	18.130	ng	98
26) 2-Nitrophenol	7.50	139	159355	18.457	ng	98
27) 2,4-Dimethylphenol	7.55	122	257851	20.531	ng	98
28) bis(2-Chloroethoxy)methane	7.64	93	371853	18.536	ng	98
29) 2,4-Dichlorophenol	7.76	162	239905	18.599	ng	98
30) 1,2,4-Trichlorobenzene	7.83	180	262059	18.333	ng	98
31) Naphthalene	7.90	128	872739	19.690	ng	98
32) Benzoic acid	7.67	122	112526	13.669	ng	98
33) 4-Chloroaniline	7.97	127	222556	11.018	ng	99
34) Hexachlorobutadiene	8.02	225	145147	17.568	ng	95
35) Caprolactam	8.32	113	76616	18.156	ng	96
36) 4-Chloro-3-methylphenol	8.46	107	245775	17.613	ng	96
37) 2-Methylnaphthalene	8.60	142	556551	18.349	ng	99
38) 1-Methylnaphthalene	8.69	142	484324	16.463	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.76	216	220094	25.227	ng	98

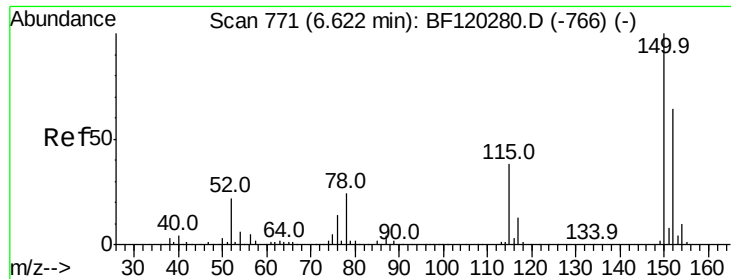
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF051920\
 Data File : BF120366.D
 Acq On : 19 May 2020 16:15
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Instrument :
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Quant Time: May 19 16:49:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 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)
41) Hexachlorocyclopentadiene	8.75	237	22466	12.352	nq	97
43) 2,4,6-Trichlorophenol	8.89	196	138167	23.592	nq	98
44) 2,4,5-Trichlorophenol	8.93	196	147244	21.893	nq #	93
46) 1,1'-Biphenyl	9.06	154	574939	25.360	nq	98
47) 2-Chloronaphthalene	9.09	162	418959	23.038	nq	97
48) 2-Nitroaniline	9.19	65	152486	22.982	nq	93
49) Acenaphthylene	9.50	152	736910	26.528	nq	96
50) Dimethylphthalate	9.37	163	649655	29.702	nq	97
51) 2,6-Dinitrotoluene	9.43	165	130765	26.786	nq #	85
52) Acenaphthene	9.67	154	322380	19.361	nq	98
53) 3-Nitroaniline	9.60	138	102287	17.570	nq #	86
54) 2,4-Dinitrophenol	9.72	184	28464	12.352	nq #	63
55) Dibenzofuran	9.85	168	458538	19.123	nq	96
56) 4-Nitrophenol	9.80	139	97660	31.221	nq #	1
57) 2,4-Dinitrotoluene	9.85	165	91587	15.993	nq #	80
58) Fluorene	10.20	166	360235	19.727	nq	92
59) 2,3,4,6-Tetrachlorophenol	9.98	232	72871	14.397	nq #	91
60) Diethylphthalate	10.07	149	411621	19.493	nq #	89
61) 4-Chlorophenyl-phenylether	10.19	204	185053	19.491	nq	94
62) 4-Nitroaniline	10.22	138	66999	12.359	nq #	66
63) Azobenzene	10.36	77	394326	19.758	nq	90
65) 4,6-Dinitro-2-methylphenol	10.26	198	24580	10.859	nq #	1
66) n-Nitrosodiphenylamine	10.31	169	316898	25.592	nq	98
67) 4-Bromophenyl-phenylether	10.69	248	119098	27.421	nq #	88
68) Hexachlorobenzene	10.76	284	94041	20.697	nq #	81
69) Atrazine	10.85	200	87512	23.618	nq #	69
70) Pentachlorophenol	10.96	266	68117	35.248	nq	98
71) Phenanthrene	11.17	178	528932	28.123	nq #	91
72) Anthracene	11.22	178	467353	23.212	nq #	94
73) Carbazole	11.37	167	371126	19.727	nq #	89
74) Di-n-butylphthalate	11.71	149	480601	21.197	nq #	95
75) Fluoranthene	12.36	202	991458	49.183	nq	100
77) Benzidine	12.48	184	24337	2.049	nq #	1
78) Pyrene	12.59	202	972932	33.552	nq	98
80) Butylbenzylphthalate	13.20	149	219620	16.084	nq	100
81) Benzo(a)anthracene	13.76	228	902180	42.053	nq	95
82) 3,3'-Dichlorobenzidine	13.73	252	94400	11.676	nq	97
83) Chrysene	13.80	228	848019	36.811	nq	98
84) Bis(2-ethylhexyl)phthalate	13.76	149	387683	22.821	nq	99
85) Di-n-octyl phthalate	14.37	149	554808	18.154	nq	99
86) Indeno(1,2,3-cd)pyrene	16.48	276	756366	36.175	nq	95
88) Benzo(b)fluoranthene	14.77	252	1075854	42.981	nq	99
89) Benzo(k)fluoranthene	14.77	252	1075854	49.610	nq	99
90) Benzo(a)pyrene	15.10	252	831399	37.036	nq	99
91) Dibenzo(a,h)anthracene	16.49	278	444245	22.338	nq	100
92) Benzo(g,h,i)perylene	16.87	276	649441	32.384	nq	98

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

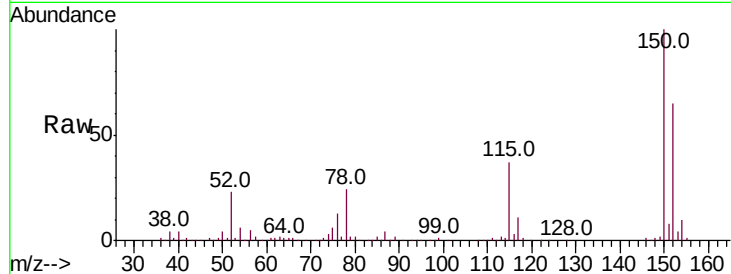


#1

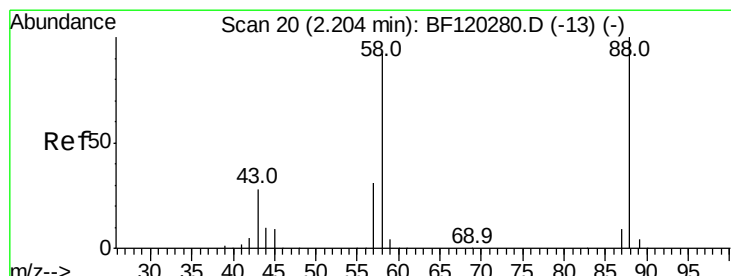
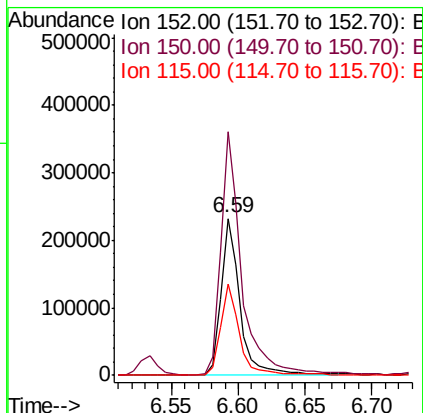
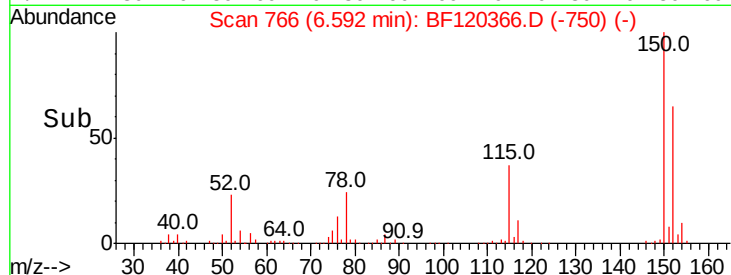
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

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



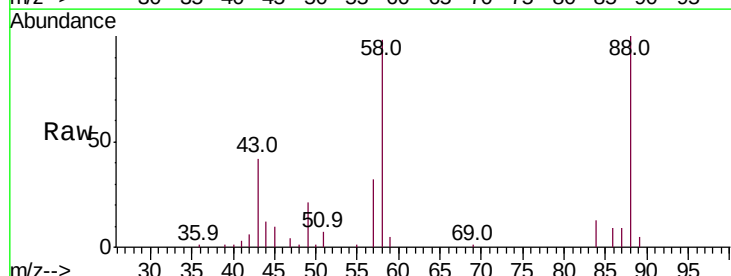
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



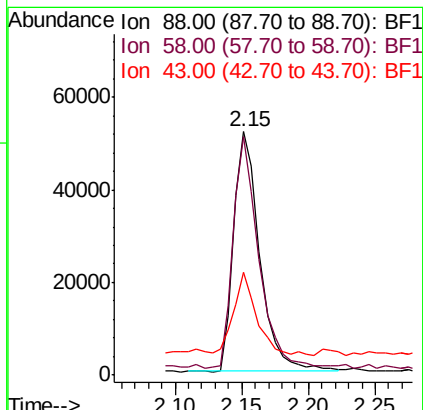
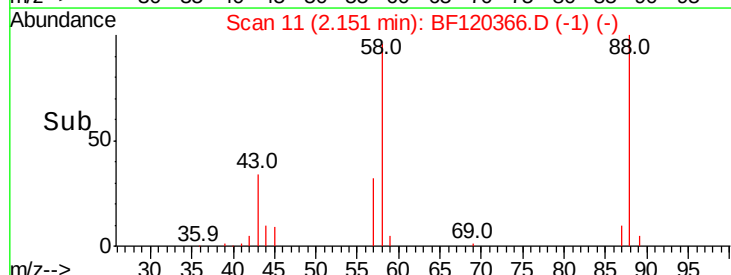
#2

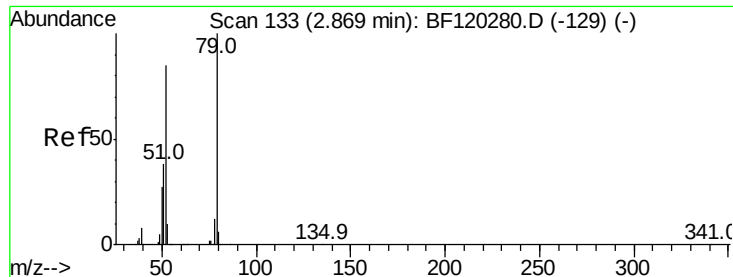
1,4-Dioxane
Concen: 14.661 ng
RT: 2.15 min Scan# 11
Delta R.T. -0.02 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

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



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 11.007 ng

RT: 2.83 min Scan# 127

Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

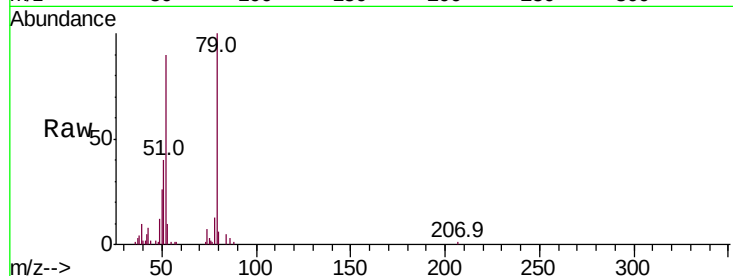
Tot Ion: 79 Resp: 166736

Ion Ratio Lower Upper

79 100

52 89.5 68.4 102.6

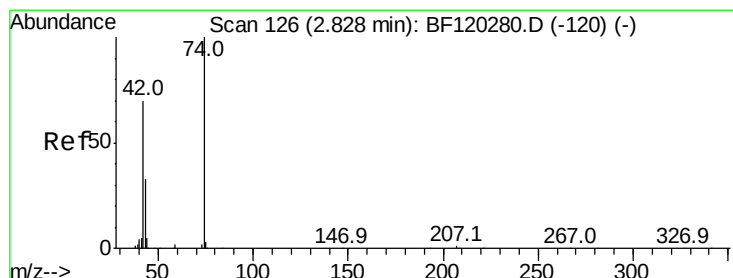
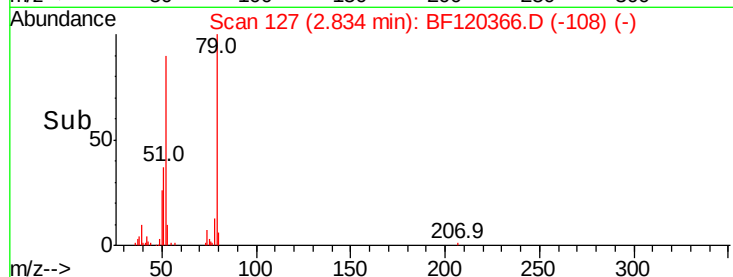
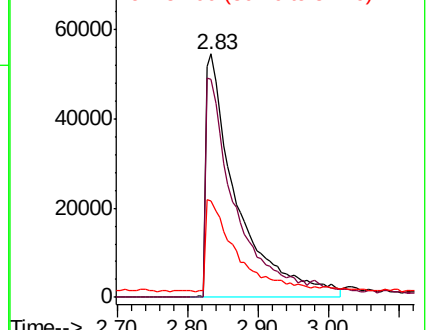
51 39.6 31.0 46.4



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 17.446 ng

RT: 2.76 min Scan# 114

Delta R.T. -0.03 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

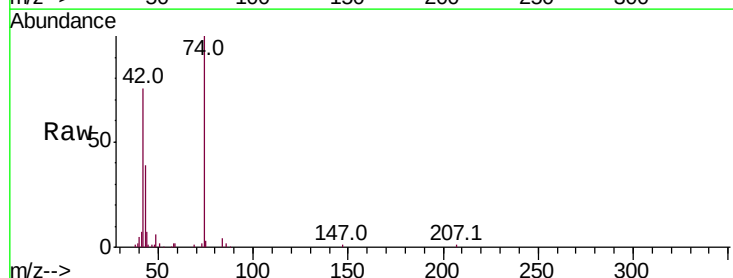
Tgt Ion: 42 Resp: 103473

Ion Ratio Lower Upper

42 100

74 132.8 114.8 172.2

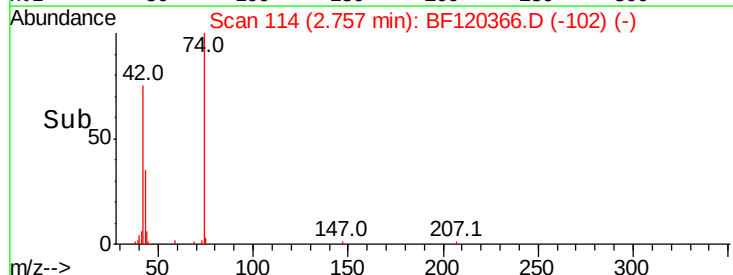
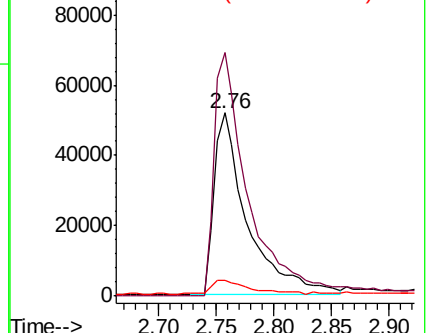
44 8.9 5.6 8.4#

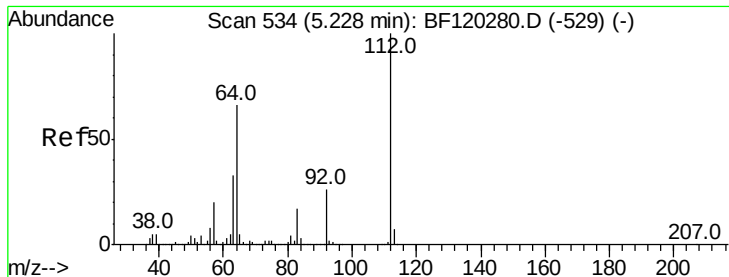


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 64.027 ng

RT: 5.20 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

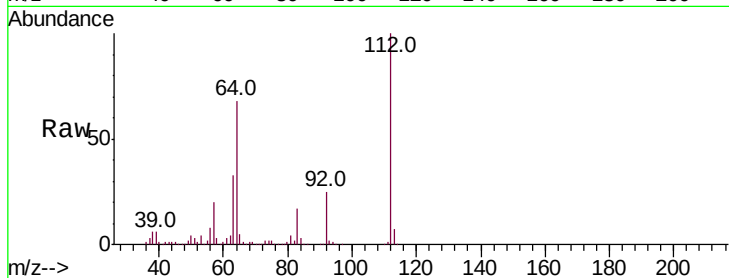
Tot Ion:112 Resp: 775603

Ion Ratio Lower Upper

112 100

64 67.5 52.7 79.1

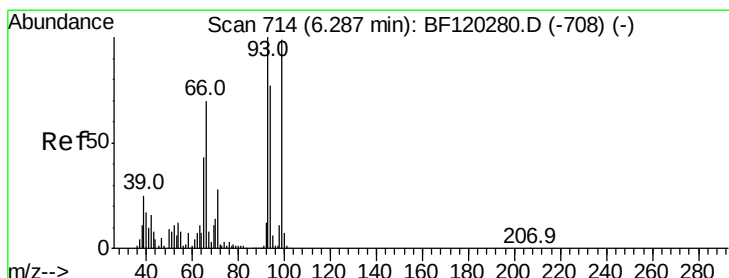
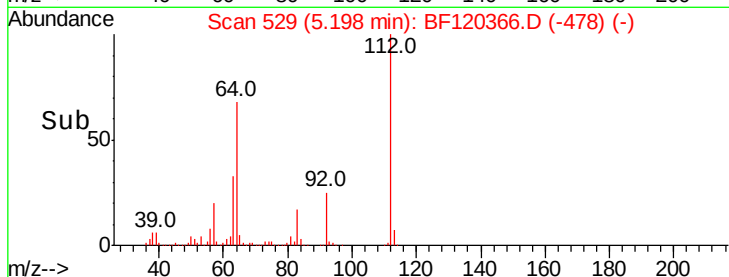
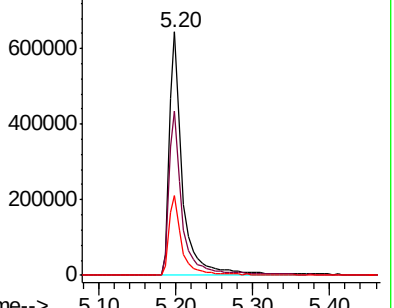
63 33.0 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 11.677 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.02 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

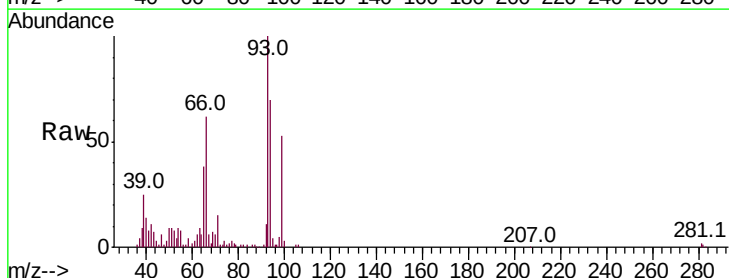
Tgt Ion: 93 Resp: 228773

Ion Ratio Lower Upper

93 100

66 62.3 56.2 84.4

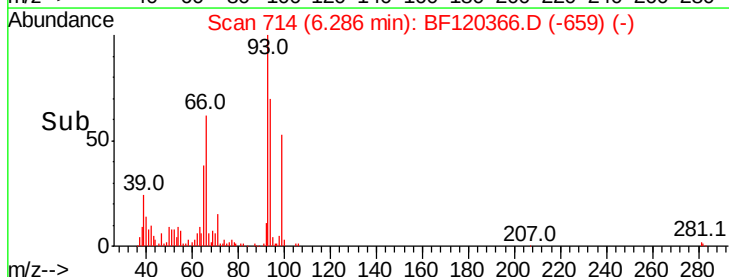
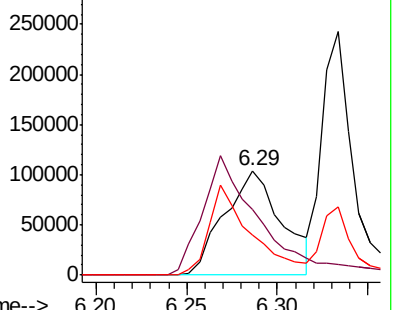
65 38.1 34.2 51.2

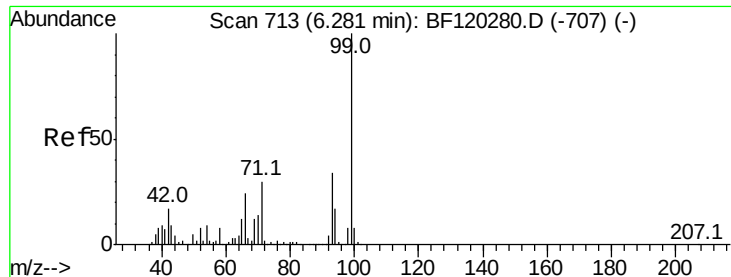


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 64.430 ng

RT: 6.26 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

Instrument :

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ClientSampleId :

VNJ-214MSD

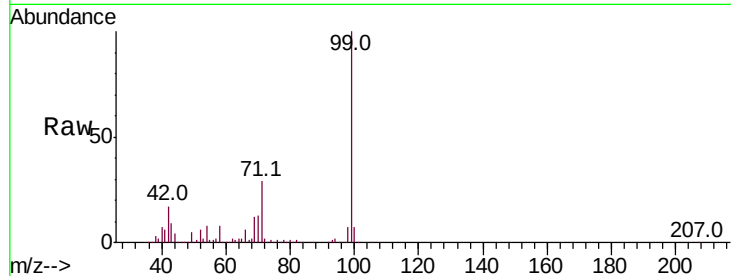
Tot Ion: 99 Resp: 986996

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

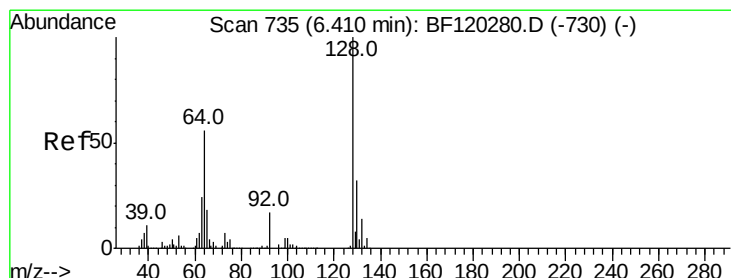
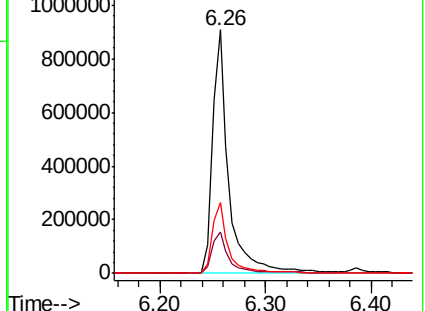
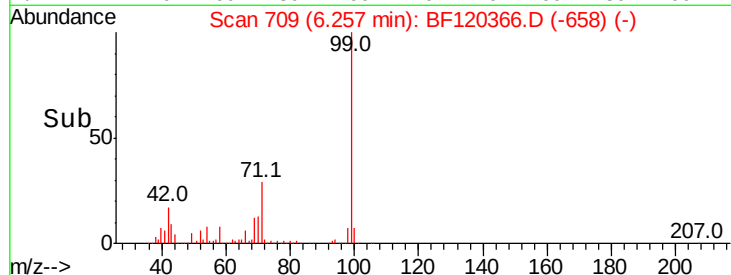
71 29.3 24.2 36.4



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: 19.362 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

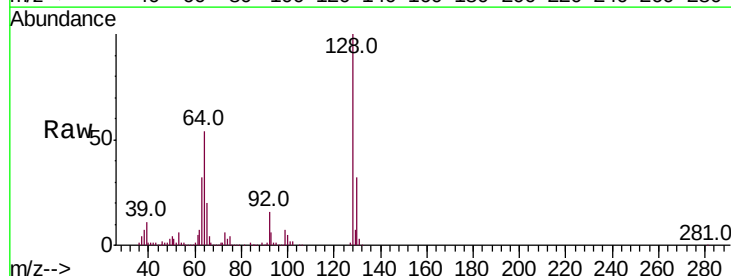
Tgt Ion: 128 Resp: 273468

Ion Ratio Lower Upper

128 100

130 32.3 12.4 52.4

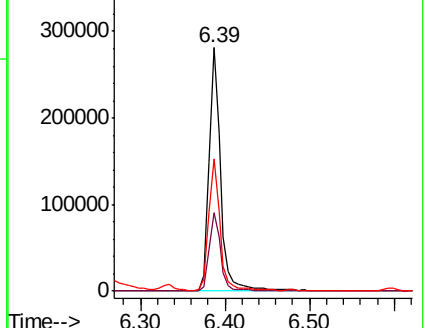
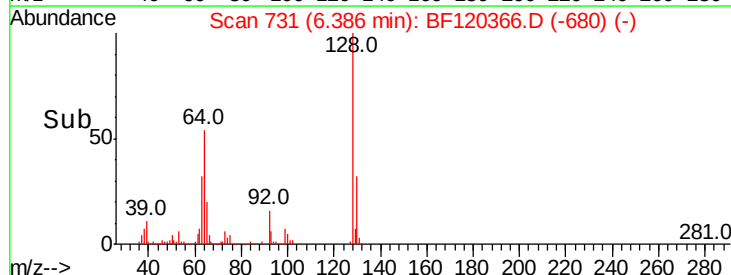
64 54.3 36.7 76.7

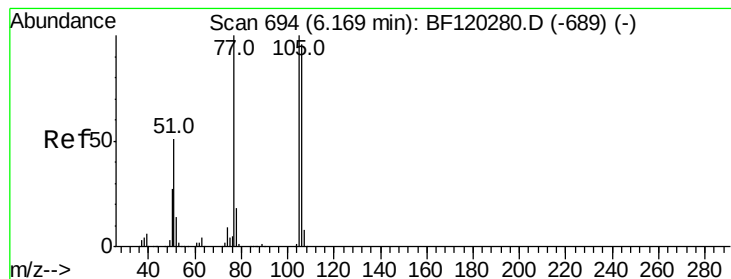


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 16.187 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

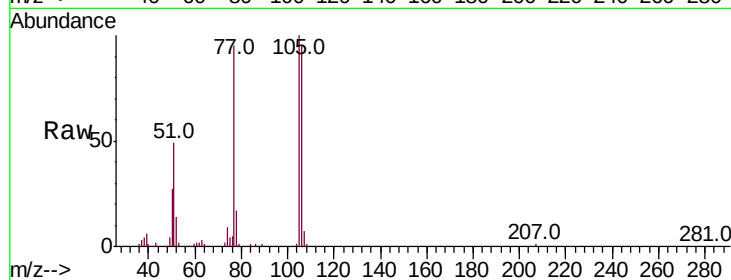
Tot Ion: 77 Resp: 152864

Ion Ratio Lower Upper

77 100

105 105.3 79.9 119.9

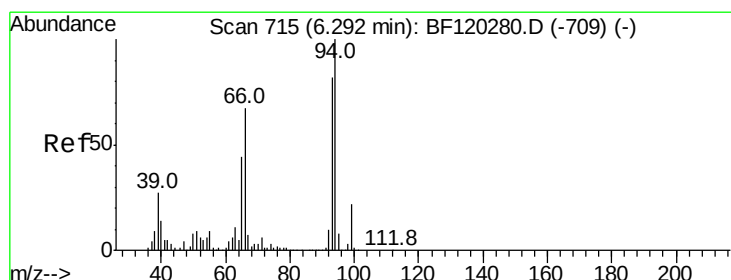
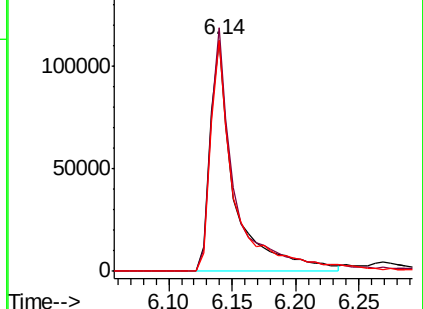
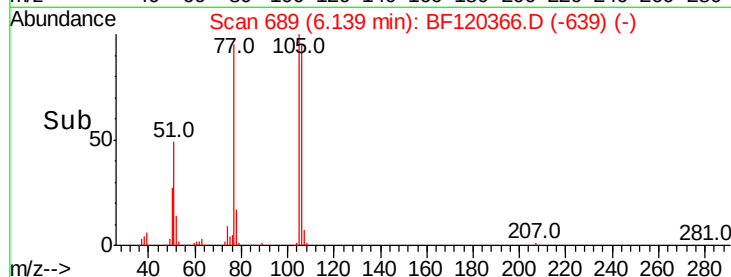
106 99.8 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 19.220 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

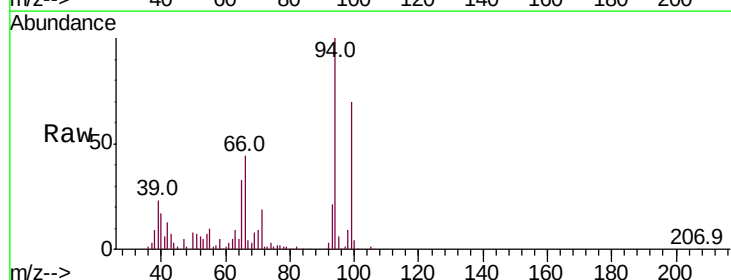
Tgt Ion: 94 Resp: 343708

Ion Ratio Lower Upper

94 100

65 33.2 24.1 64.1

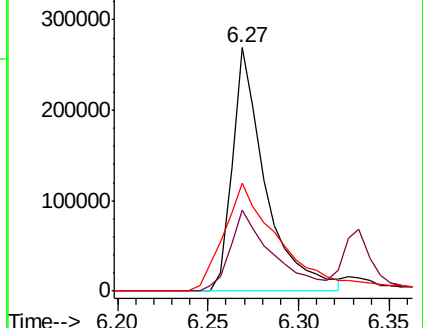
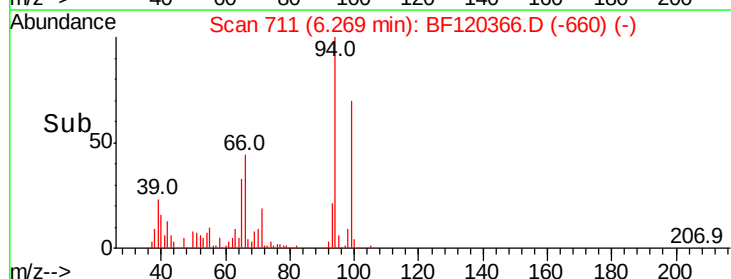
66 44.1 47.5 87.5#

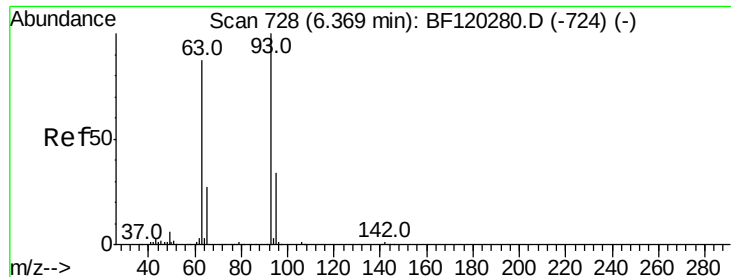


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 18.030 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

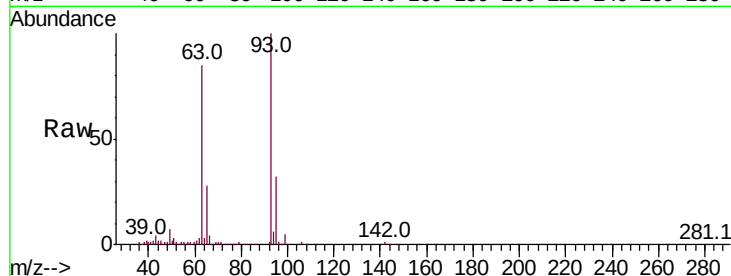
Tot Ion: 93 Resp: 257552

Ion Ratio Lower Upper

93 100

63 84.5 65.4 105.4

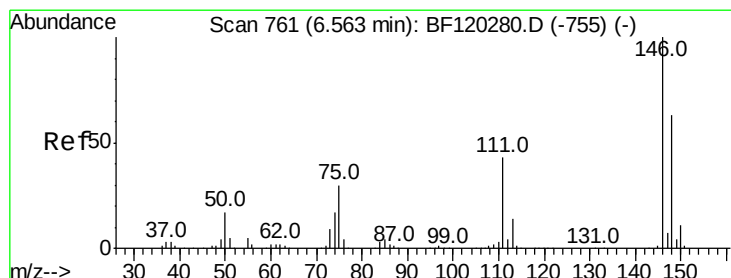
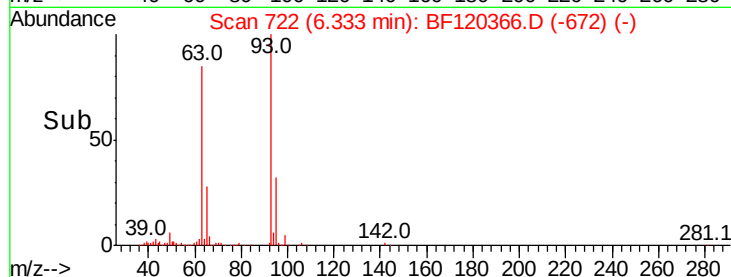
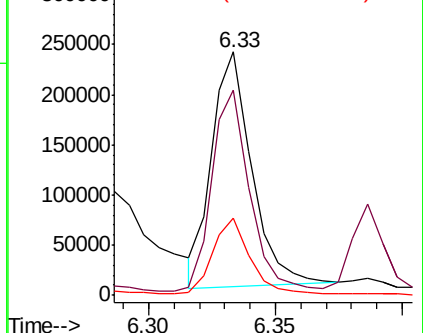
95 31.7 12.9 52.9



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 17.769 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

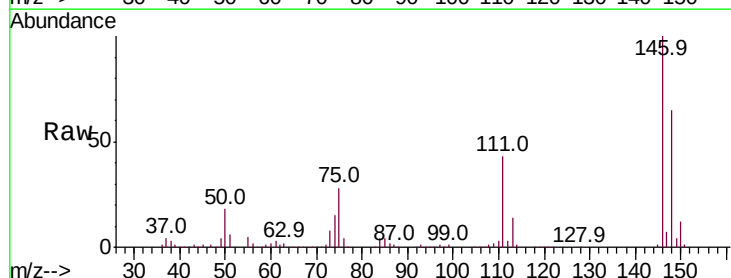
Tgt Ion: 146 Resp: 268560

Ion Ratio Lower Upper

146 100

148 65.1 50.5 75.7

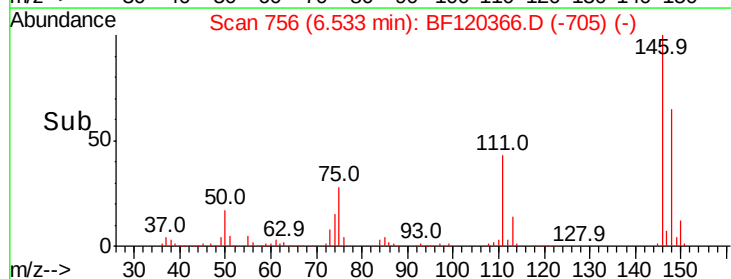
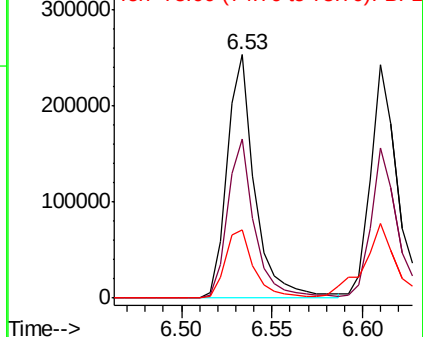
75 28.0 24.2 36.4

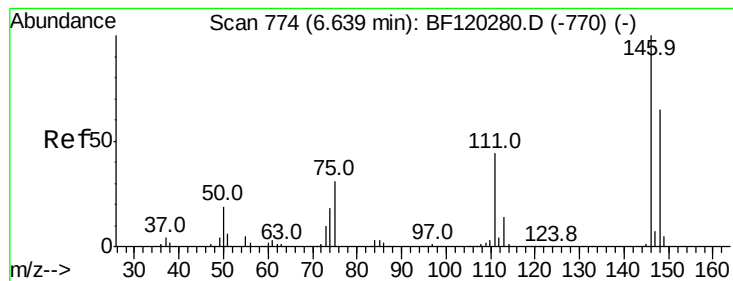


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 17.659 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

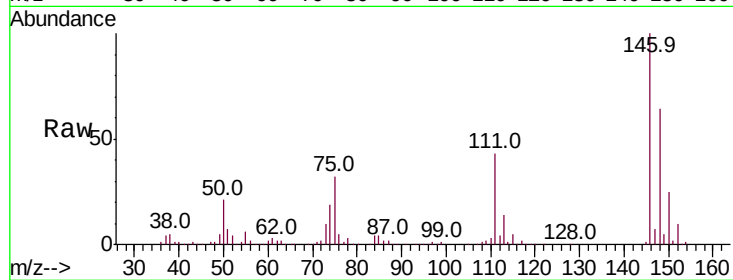
Tot Ion:146 Resp: 274882

Ion Ratio Lower Upper

146 100

148 64.3 51.6 77.4

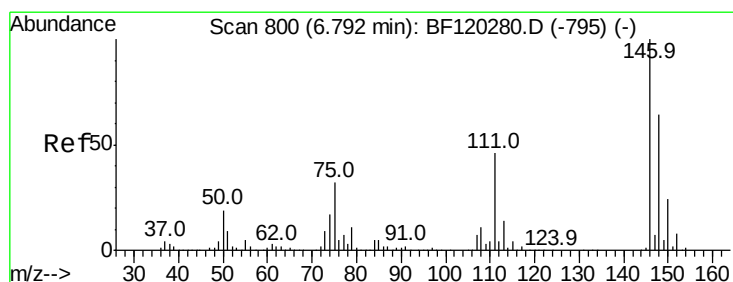
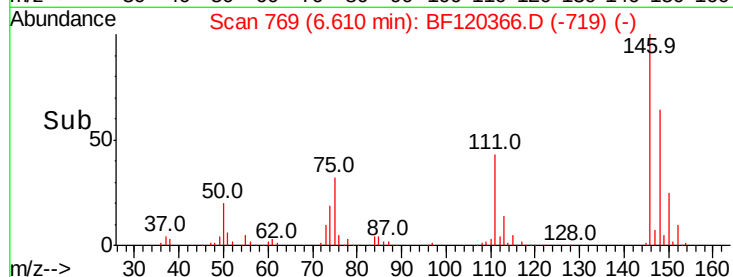
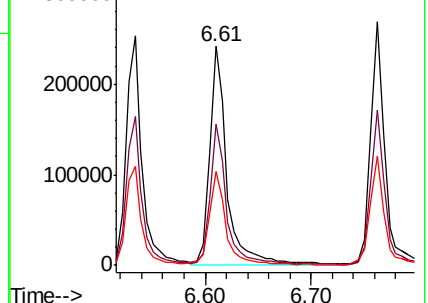
111 42.7 35.1 52.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 18.395 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

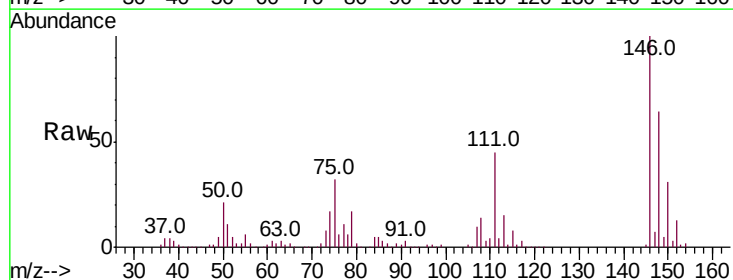
Tgt Ion:146 Resp: 257861

Ion Ratio Lower Upper

146 100

148 63.9 51.1 76.7

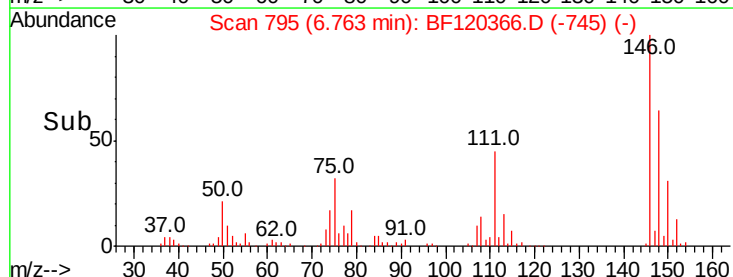
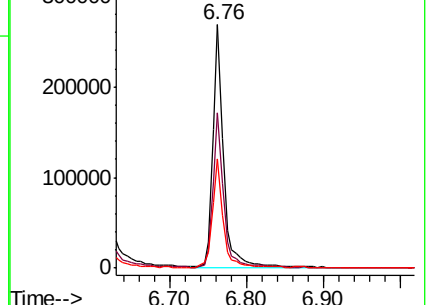
111 45.1 36.6 55.0

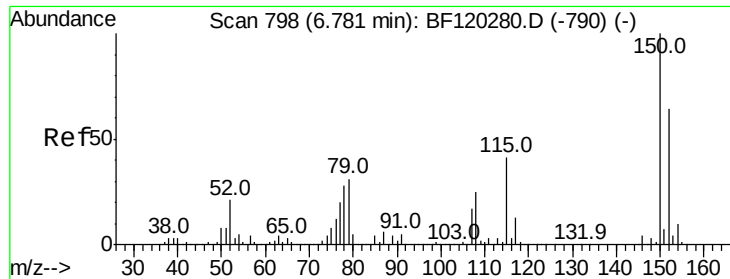


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

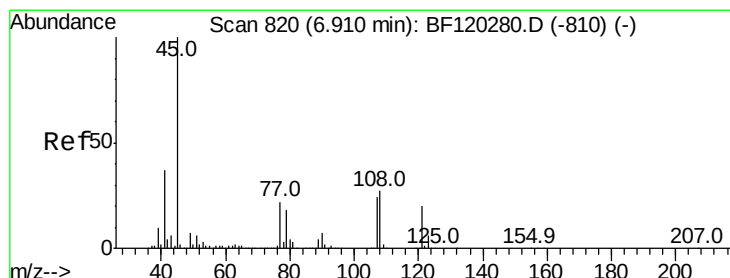
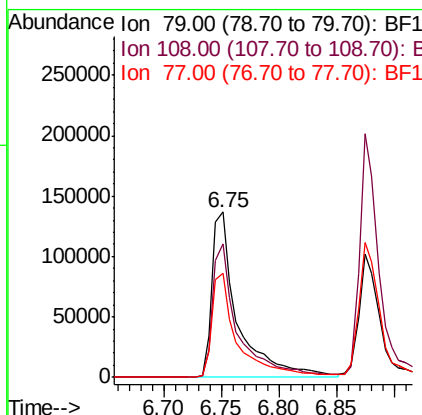
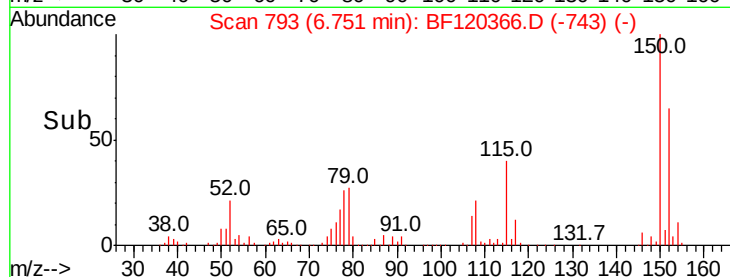
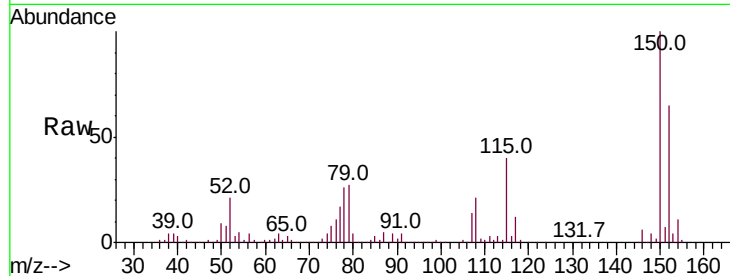




#15
Benzyl Alcohol
Concen: 19.540 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

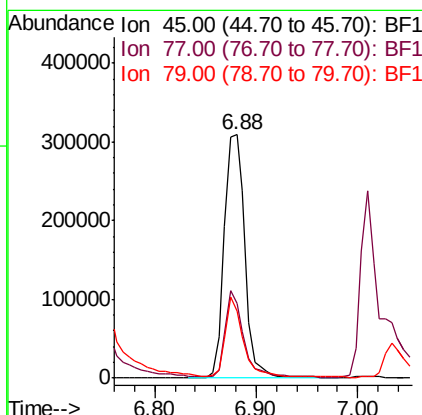
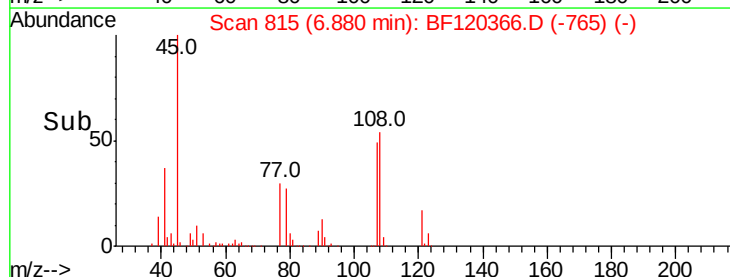
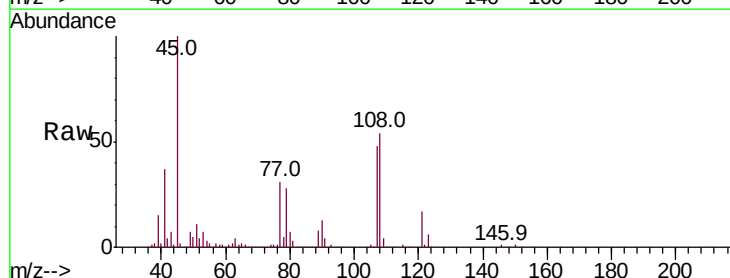
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

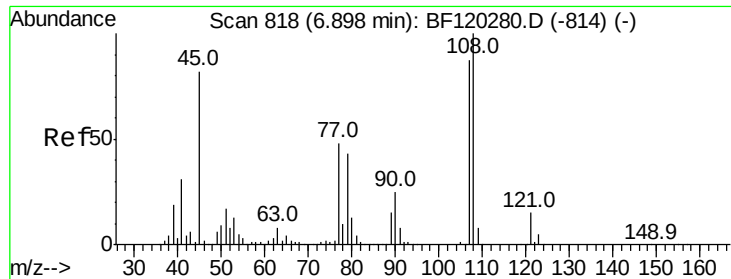
Tot Ion: 79 Resp: 212659
Ion Ratio Lower Upper
79 100
108 80.6 64.2 96.4
77 63.3 51.6 77.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 19.507 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: 45 Resp: 439133
Ion Ratio Lower Upper
45 100
77 30.8 3.1 43.1
79 27.7 0.0 40.0

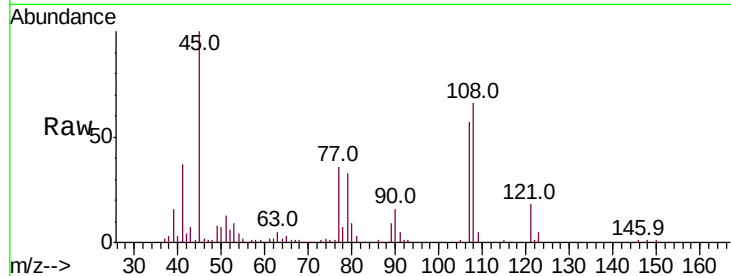




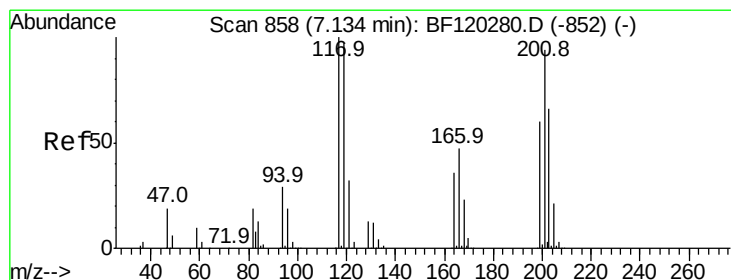
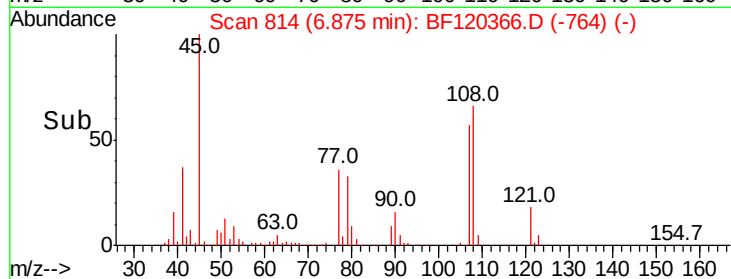
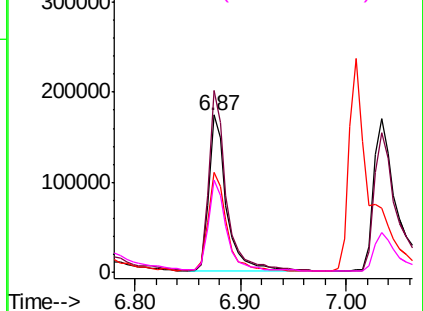
#17
2-Methylphenol
Concen: 17.313 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tot 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

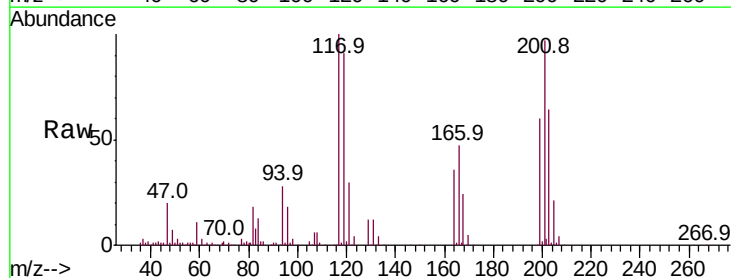


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

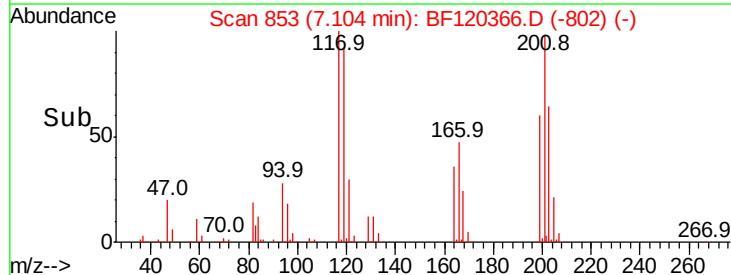
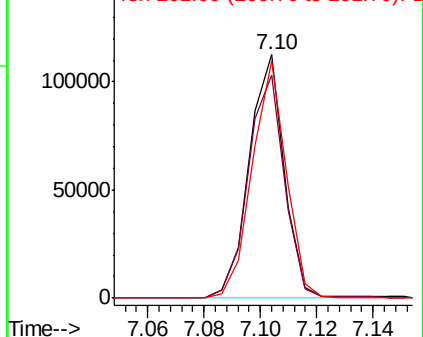


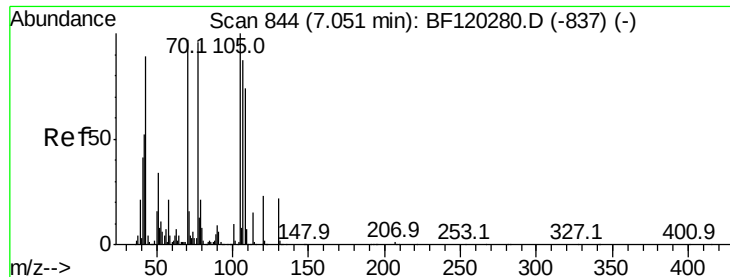
#18
Hexachloroethane
Concen: 16.323 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

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



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

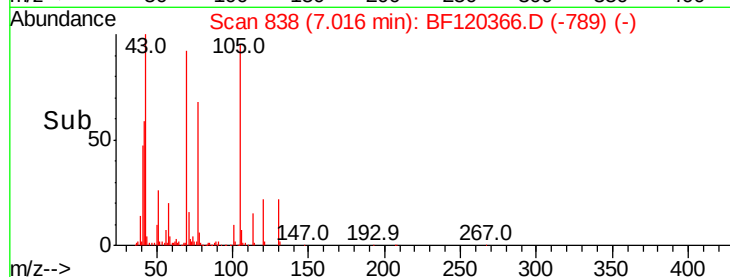
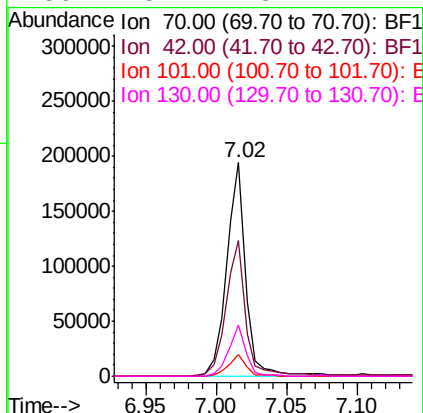
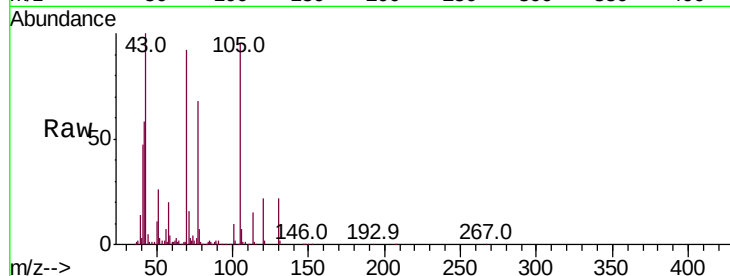




#19
n-Nitroso-di-n-propylamine
Concen: 18.256 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

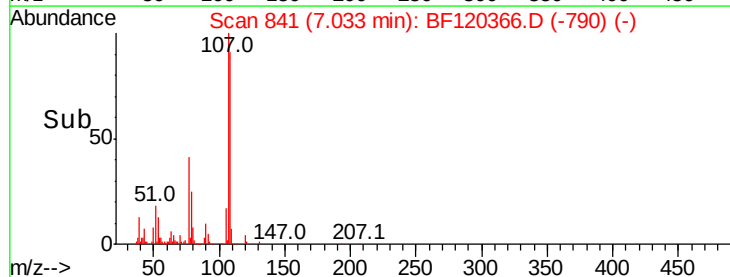
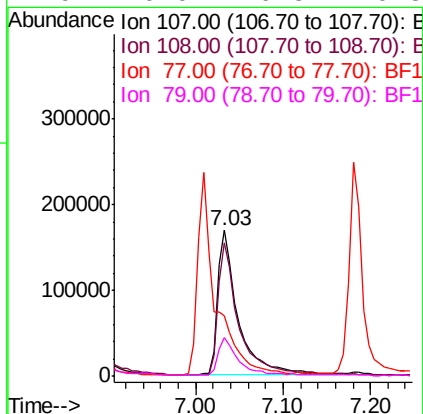
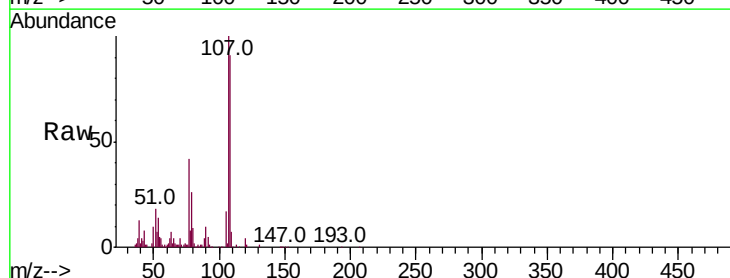
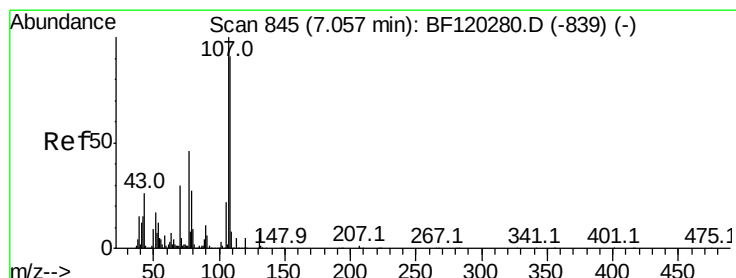
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

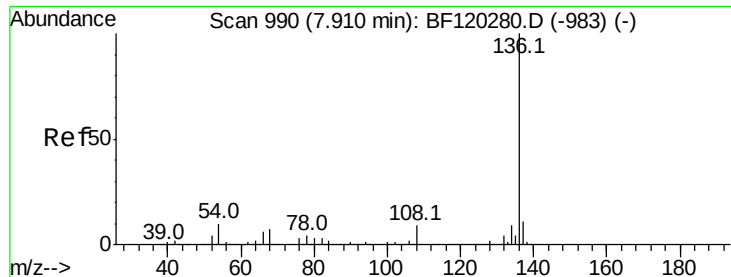
Tot Ion:	70	Resp:	183220
Ion	Ratio	Lower	Upper
70	100		
42	63.8	43.4	65.0
101	10.5	7.8	11.8
130	23.7	18.2	27.4



#20
3+4-Methylphenols
Concen: 17.615 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:	107	Resp:	273066
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: 20.000 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

Tot Ion:136 Resp: 1050222

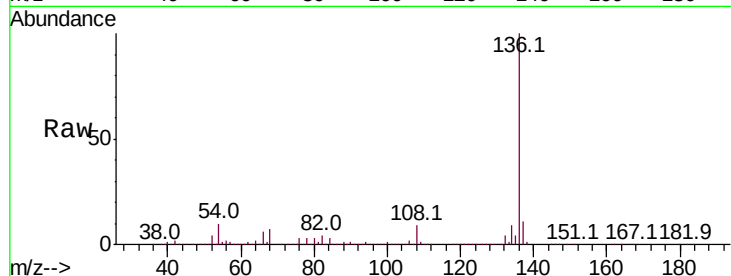
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.0 7.9 11.9

68 7.2 5.4 8.2

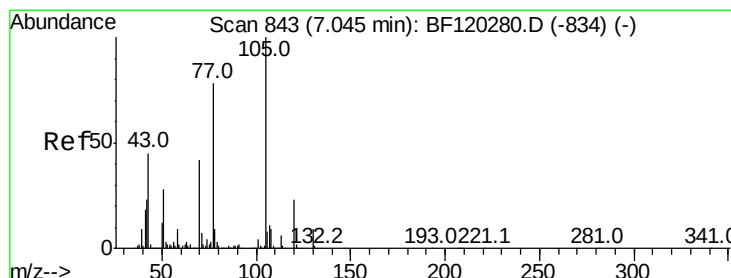
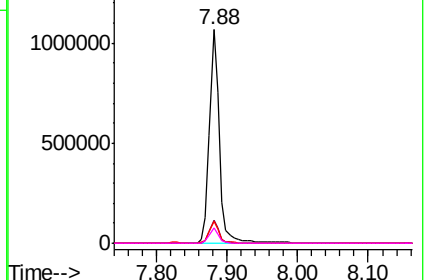
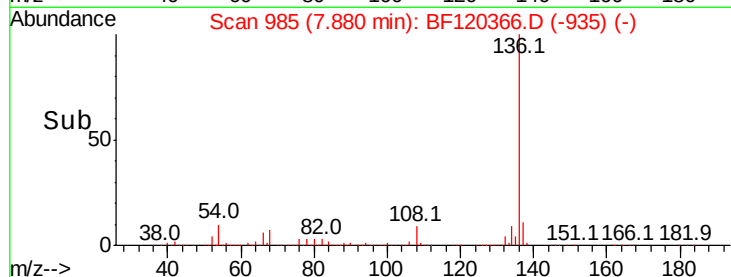


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.207 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:105 Resp: 370212

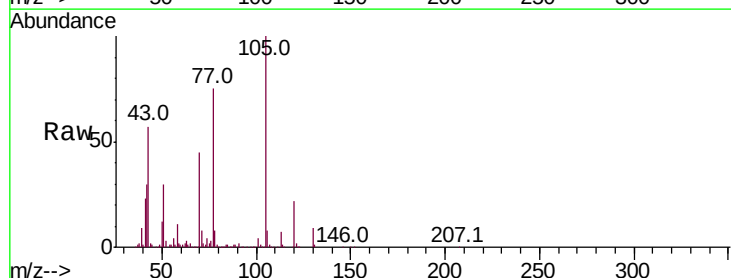
Ion Ratio Lower Upper

105 100

71 7.5 5.6 8.4

51 30.2 22.6 34.0

120 22.0 18.7 28.1

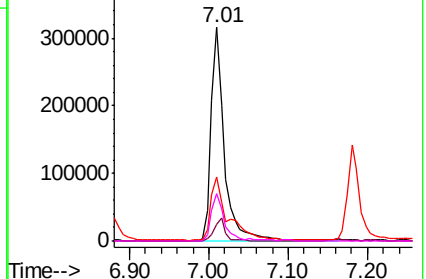
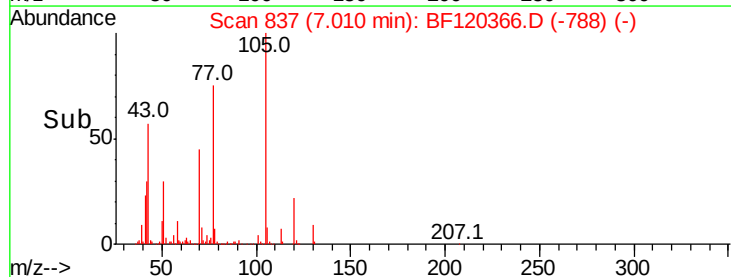


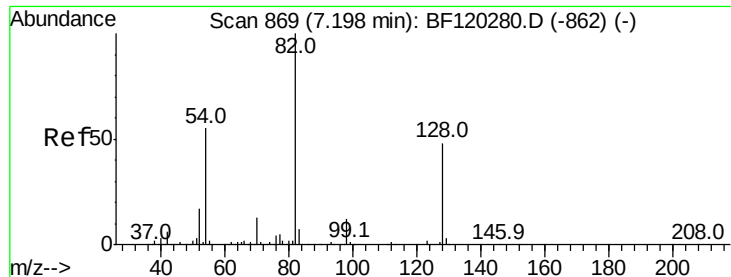
Abundance Ion 105.00 (104.70 to 105.70): E

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

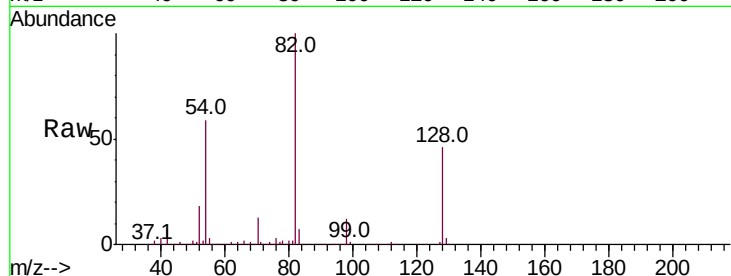




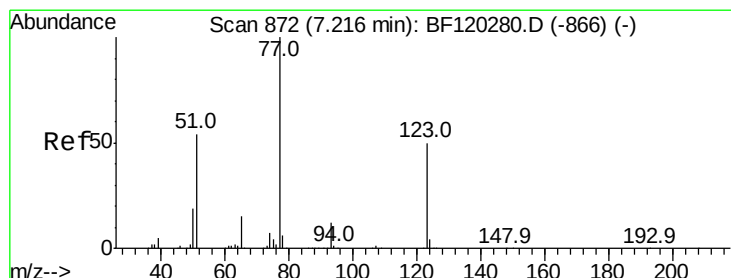
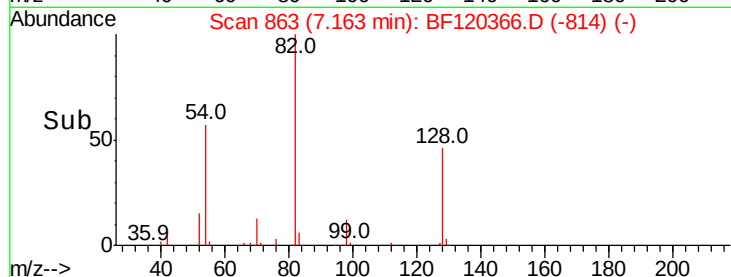
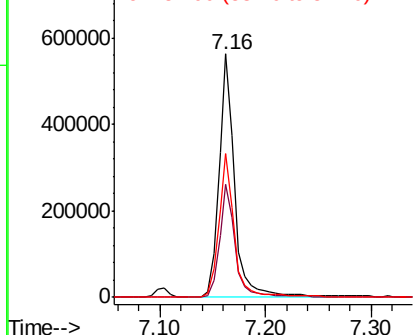
#23
Nitrobenzene-d5
Concen: 38.386 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

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

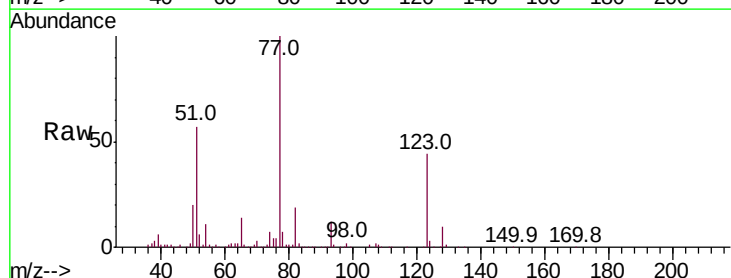


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

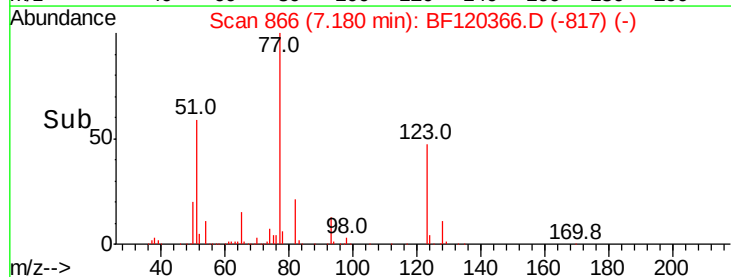
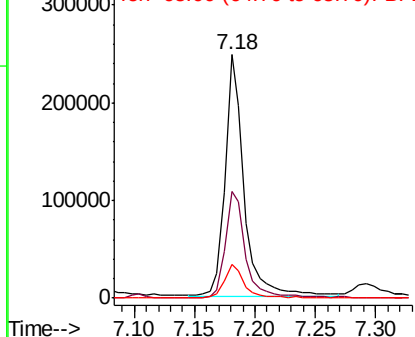


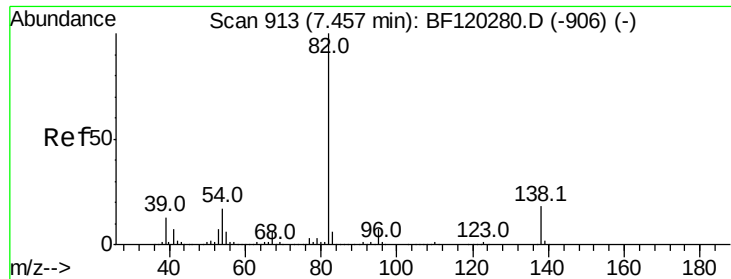
#24
Nitrobenzene
Concen: 16.377 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion: 77 Resp: 270363
Ion Ratio Lower Upper
77 100
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: 18.130 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

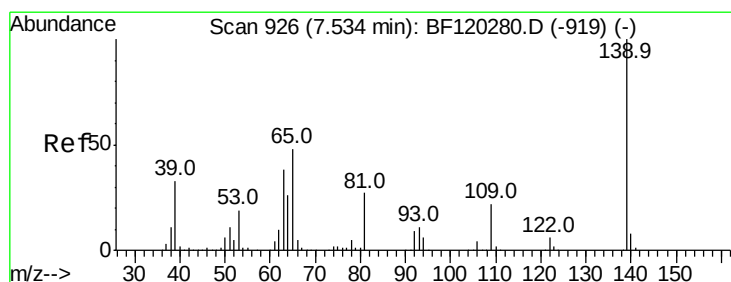
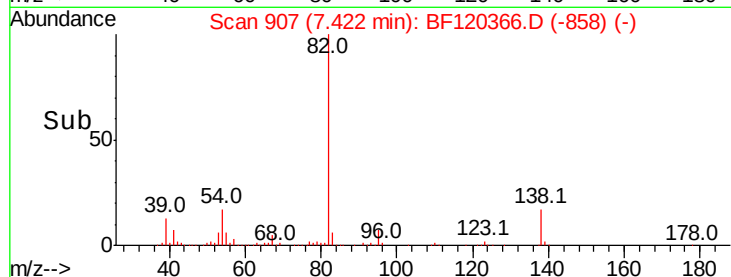
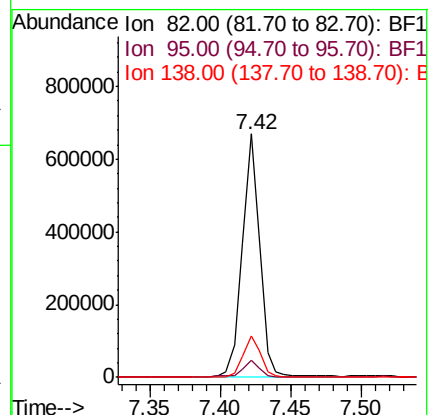
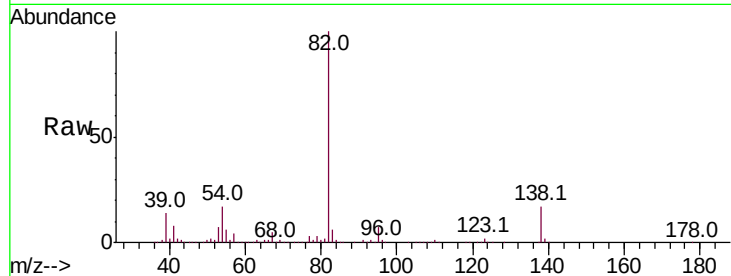
Tot Ion: 82 Resp: 578638

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.0

138 17.2 14.7 22.1



#26

2-Nitrophenol

Concen: 18.457 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

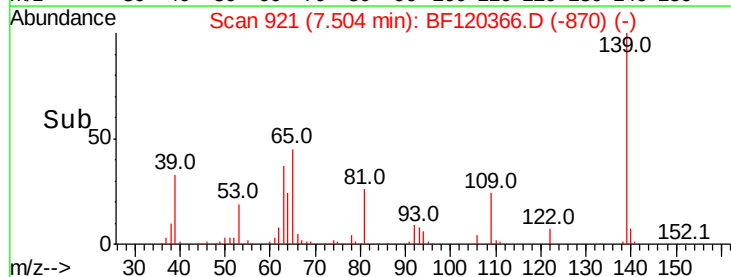
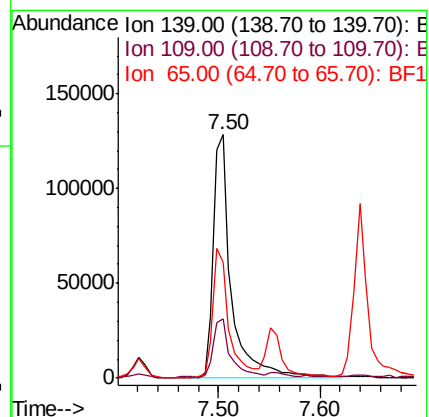
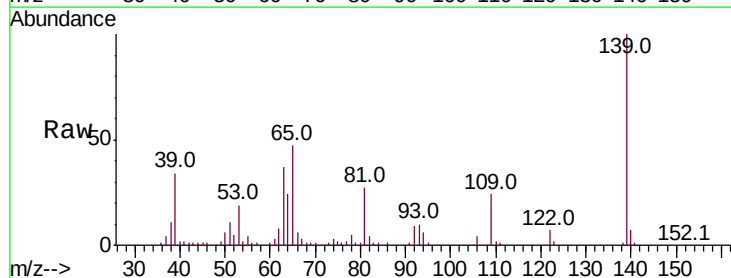
Tgt Ion: 139 Resp: 159355

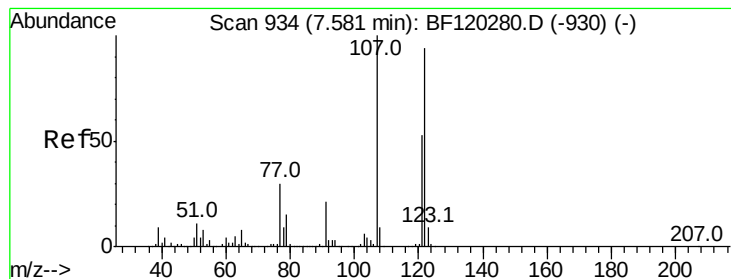
Ion Ratio Lower Upper

139 100

109 24.4 17.7 26.5

65 47.3 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 20.531 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

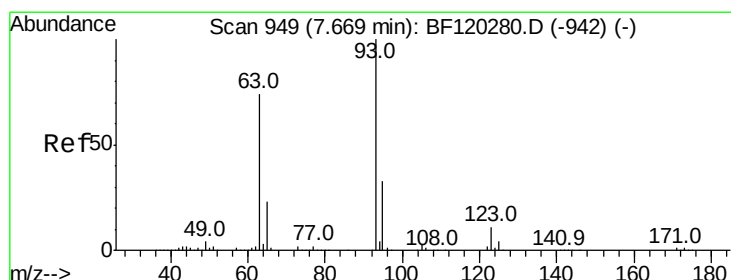
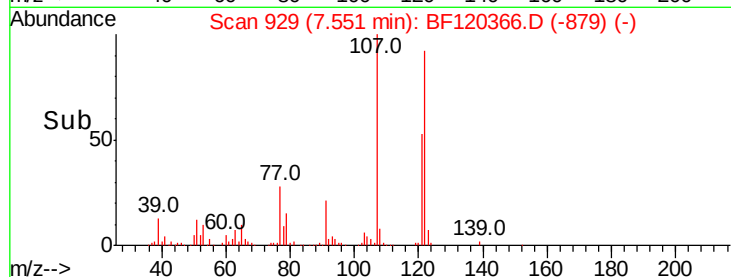
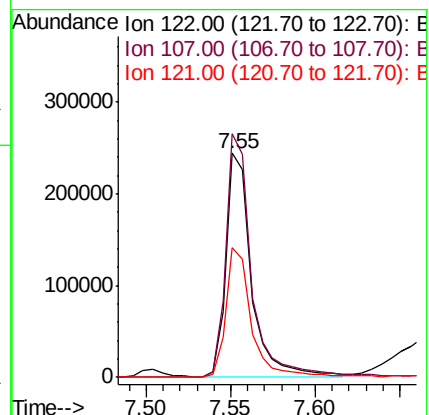
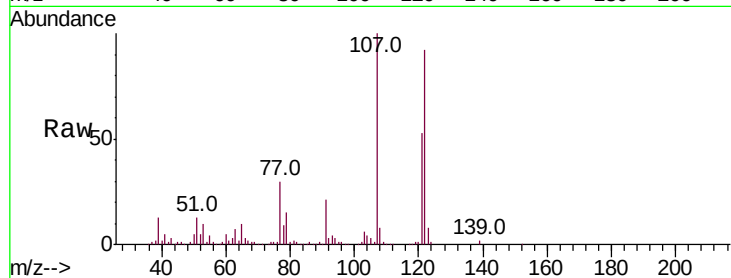
Tot Ion:122 Resp: 257851

Ion Ratio Lower Upper

122 100

107 108.7 85.0 127.6

121 57.9 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 18.536 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

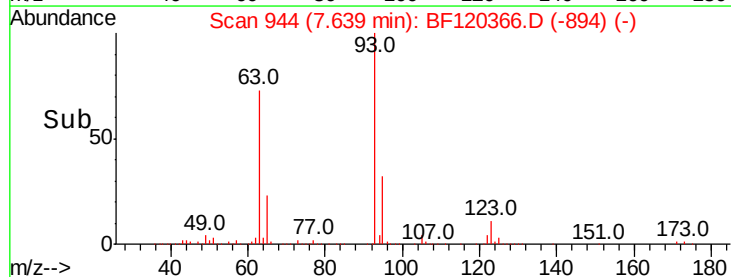
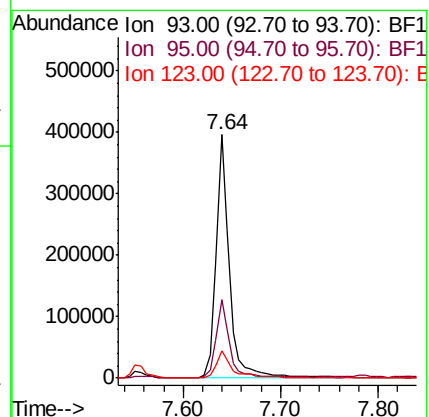
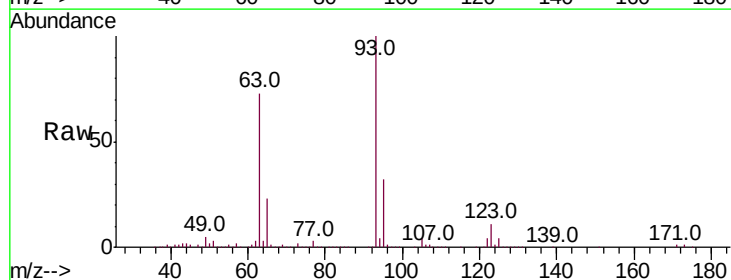
Tgt Ion: 93 Resp: 371853

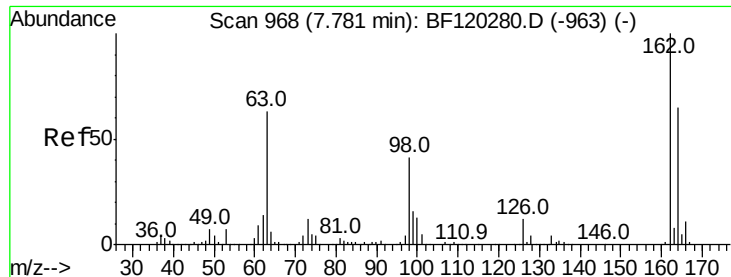
Ion Ratio Lower Upper

93 100

95 32.5 26.8 40.2

123 11.0 9.2 13.8

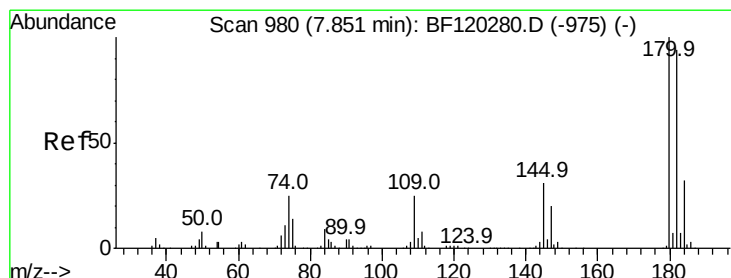
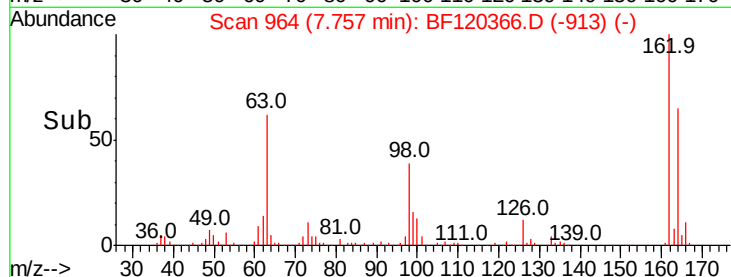
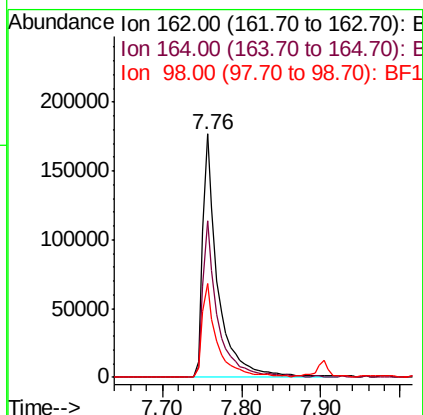
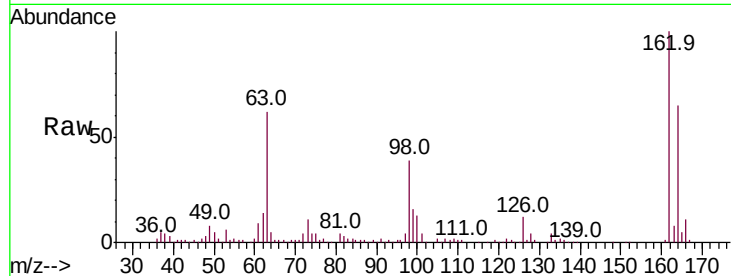




#29
 2,4-Dichlorophenol
 Concen: 18.599 ng
 RT: 7.76 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

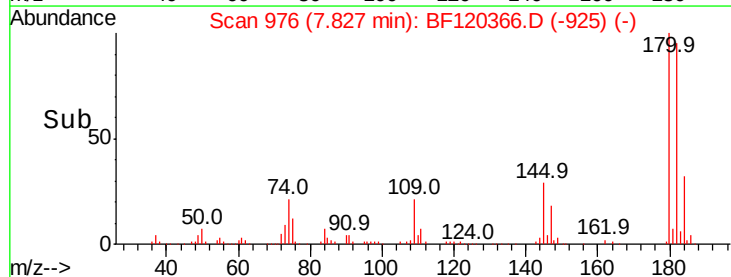
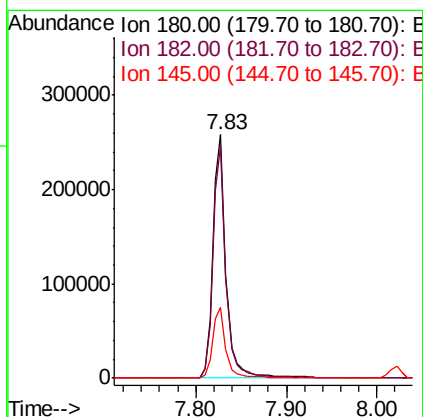
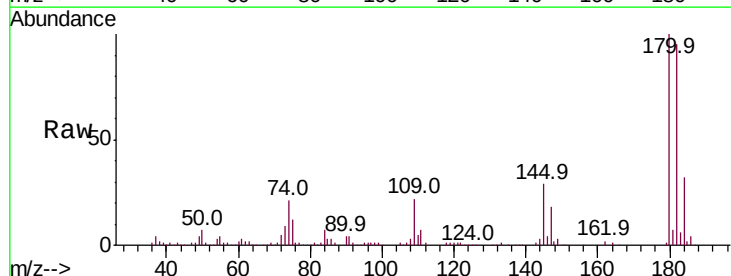
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

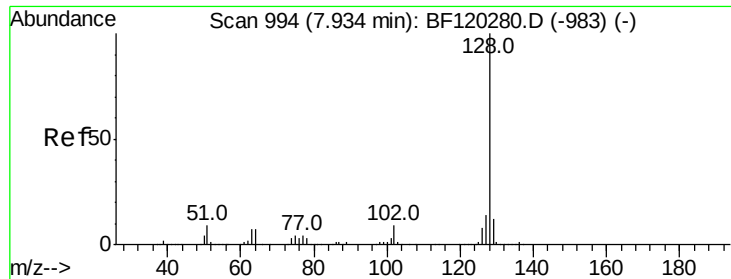
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.9	84.9
98	38.7	20.7	60.7



#30
 1,2,4-Trichlorobenzene
 Concen: 18.333 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	Lower	Upper
180	100		
182	95.3	75.3	112.9
145	28.9	24.9	37.3

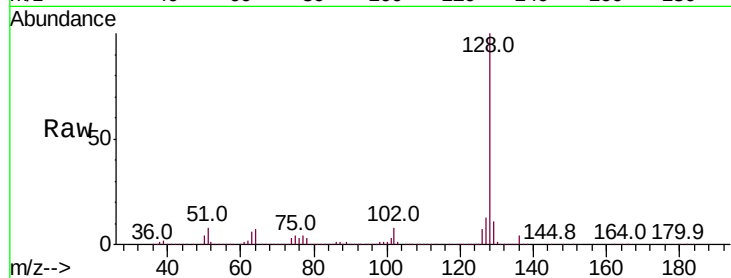




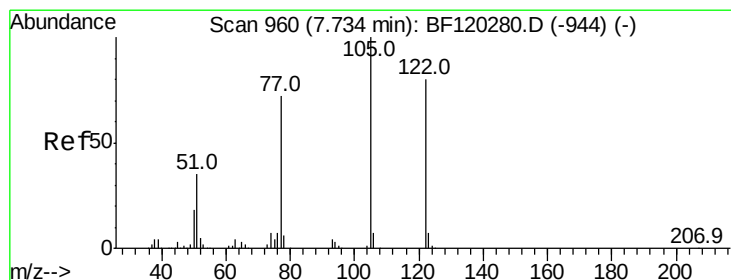
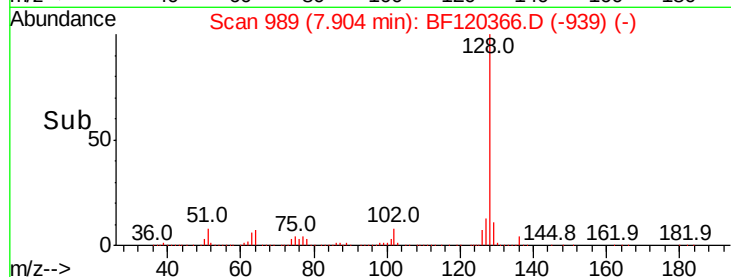
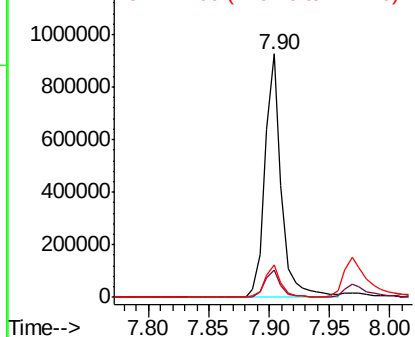
#31
Naphthalene
Concen: 19.690 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

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

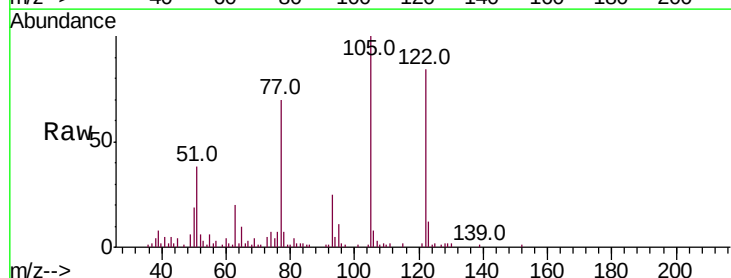


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

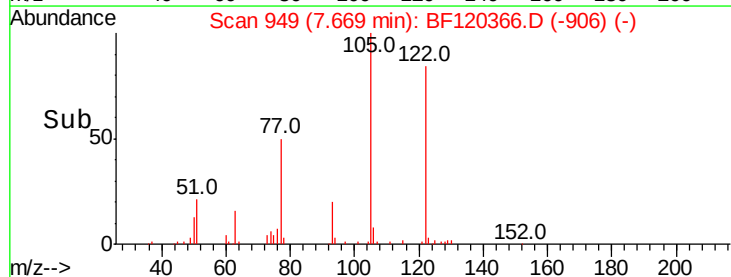
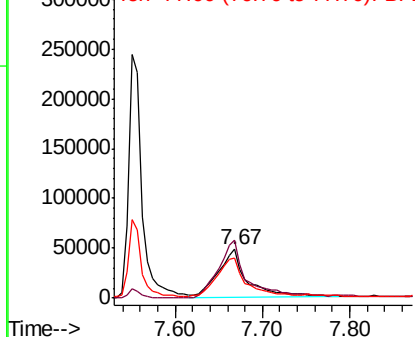


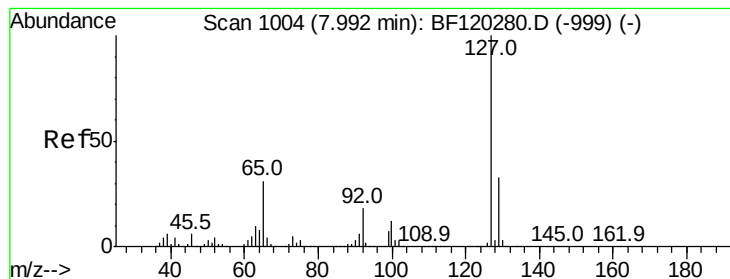
#32
Benzoic acid
Concen: 13.669 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.05 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

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



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 11.018 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

Tot Ion:127 Resp: 222556

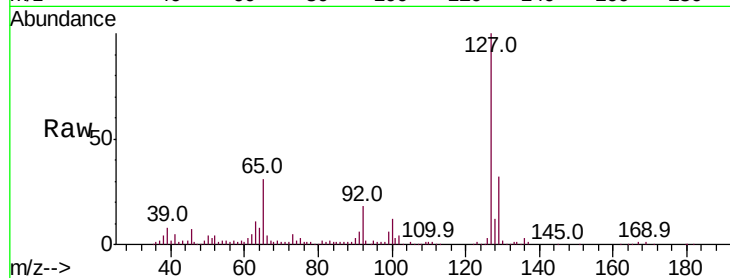
Ion Ratio Lower Upper

127 100

129 31.9 26.4 39.6

65 30.6 24.8 37.2

92 18.4 14.5 21.7

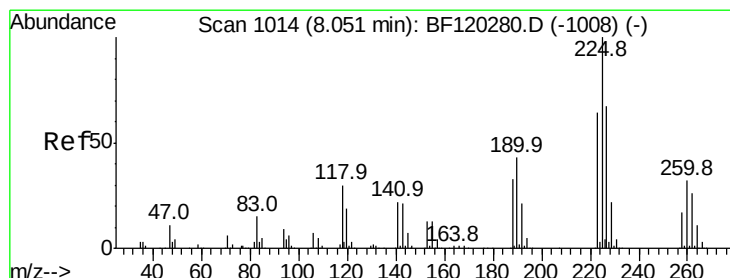
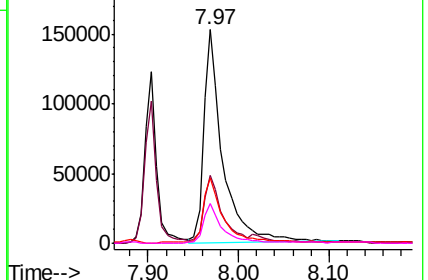
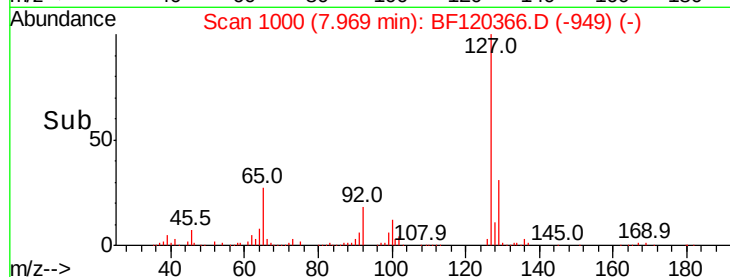


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 17.568 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

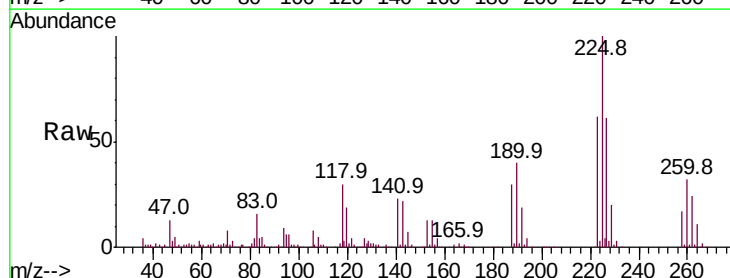
Tgt Ion:225 Resp: 145147

Ion Ratio Lower Upper

225 100

223 61.8 51.4 77.0

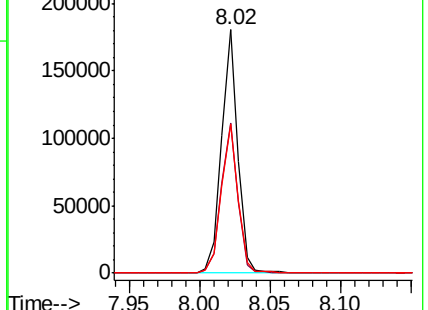
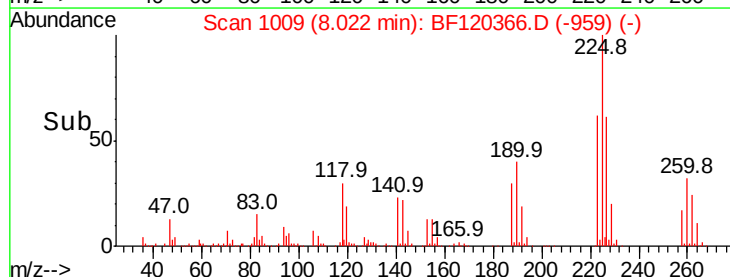
227 61.4 54.0 81.0

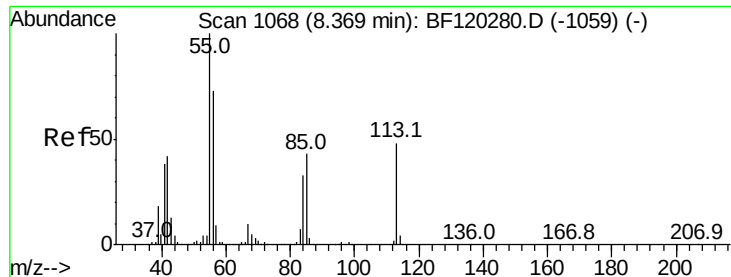


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

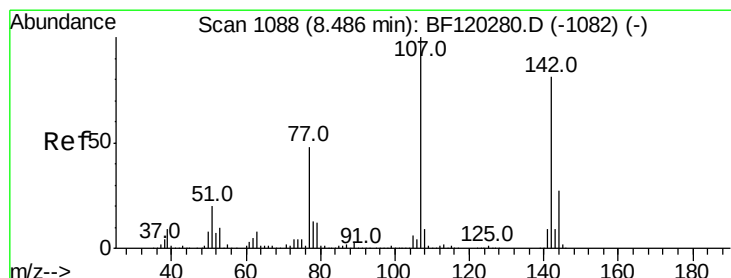
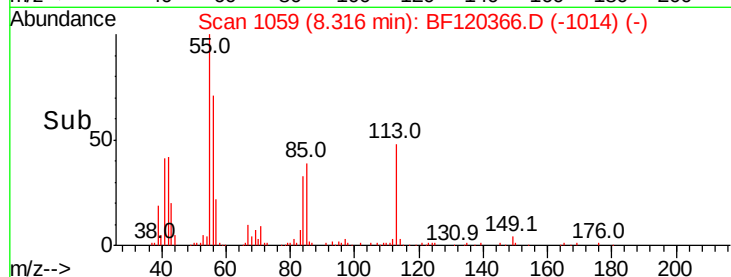
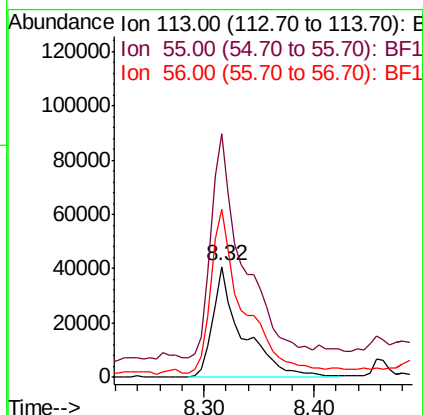
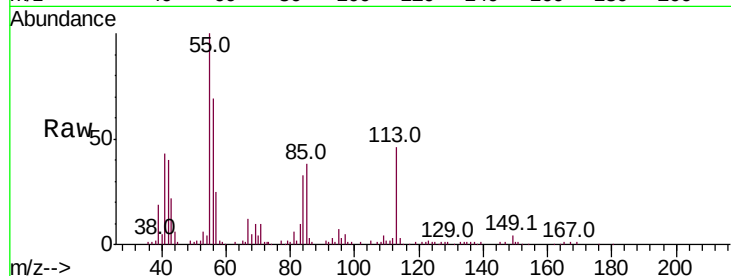




#35
Caprolactam
Concen: 18.156 ng
RT: 8.32 min Scan# 1059
Delta R.T. -0.04 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

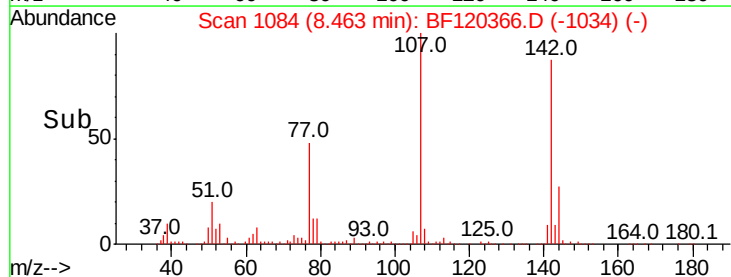
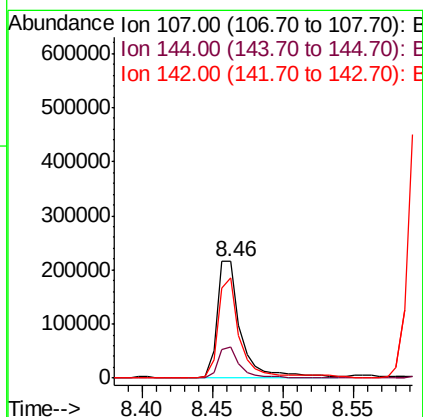
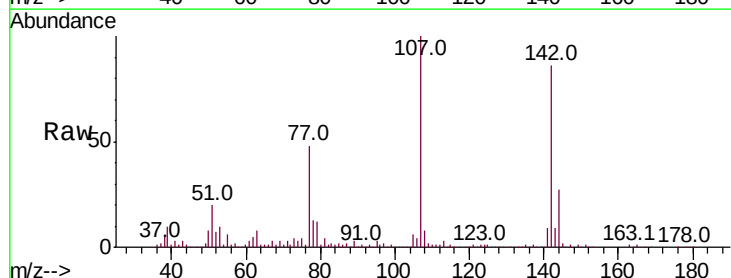
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

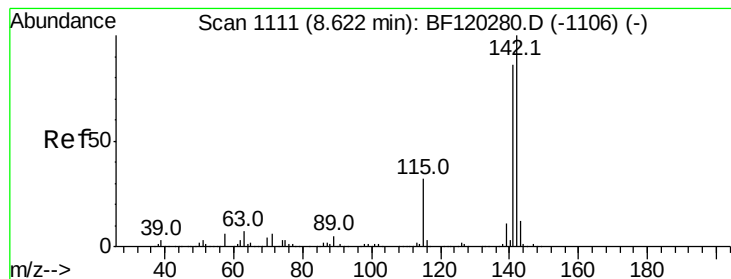
Tot Ion:113 Resp: 76616
Ion Ratio Lower Upper
113 100
55 219.4 190.4 230.4
56 151.0 132.7 172.7



#36
4-Chloro-3-methylphenol
Concen: 17.613 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:107 Resp: 245775
Ion Ratio Lower Upper
107 100
144 27.2 21.4 32.2
142 86.5 65.1 97.7





#37

2-Methylnaphthalene

Concen: 18.349 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

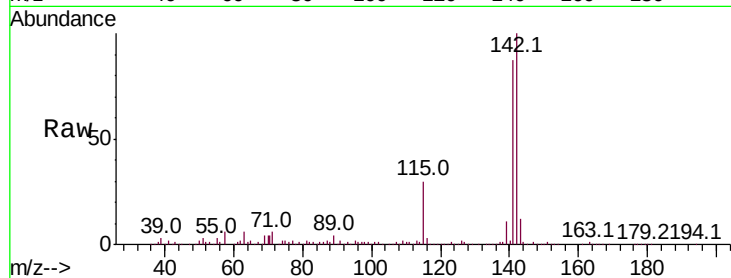
Tot Ion:142 Resp: 556551

Ion Ratio Lower Upper

142 100

141 86.6 68.8 103.2

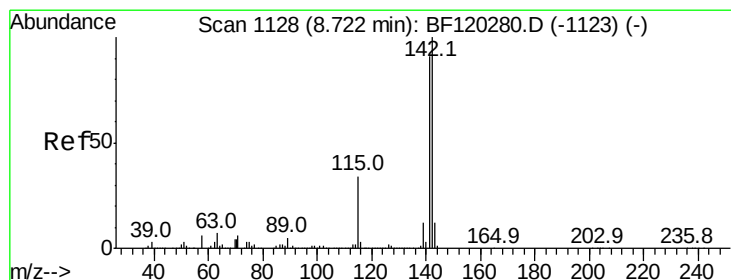
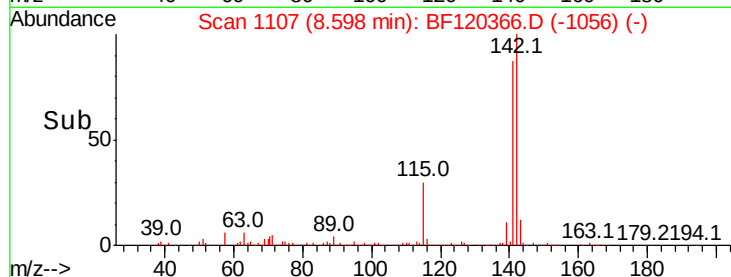
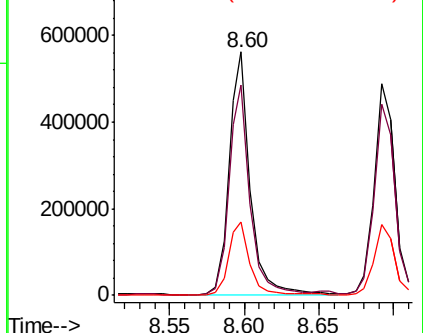
115 30.2 25.7 38.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 16.463 ng

RT: 8.69 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

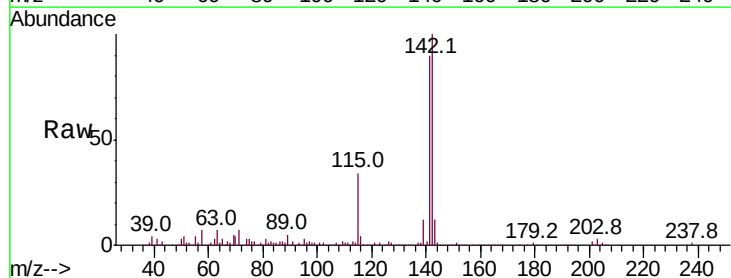
Tgt Ion:142 Resp: 484324

Ion Ratio Lower Upper

142 100

141 90.2 73.0 109.6

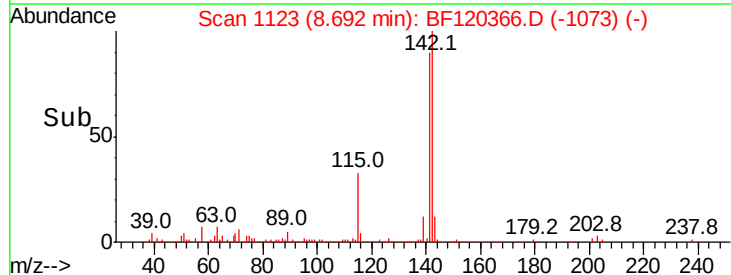
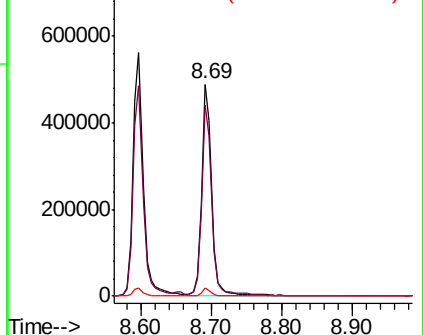
116 3.6 2.7 4.1

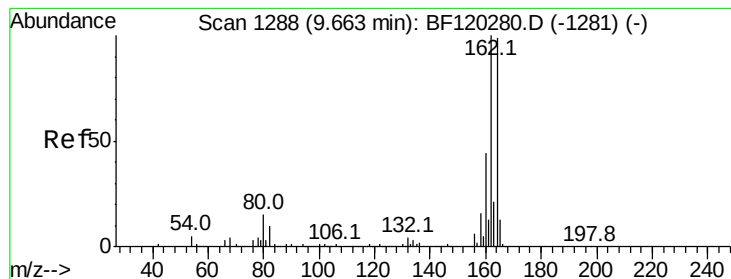


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.65 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

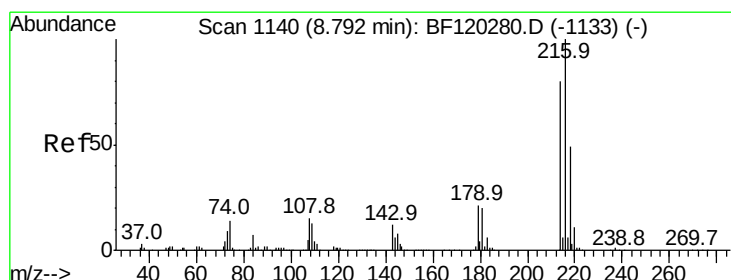
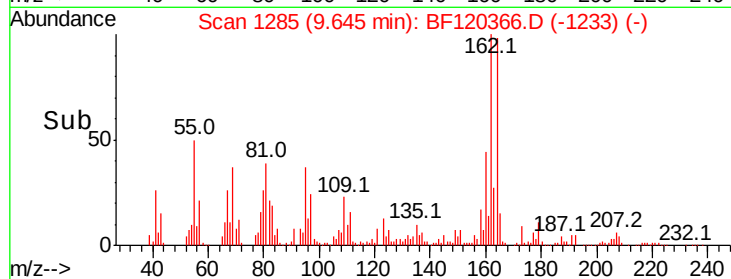
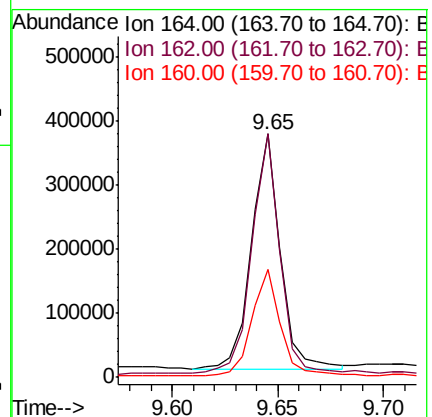
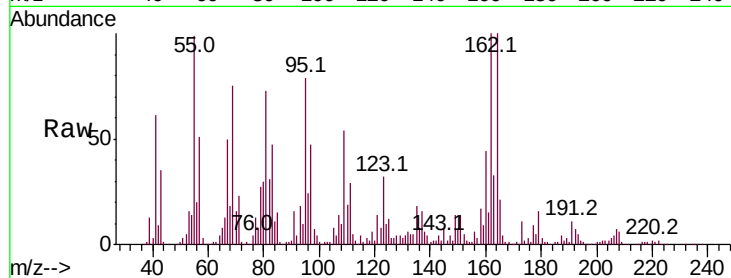
Tot Ion:164 Resp: 346007

Ion Ratio Lower Upper

164 100

162 99.9 81.2 121.8

160 44.4 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 25.227 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:216 Resp: 220094

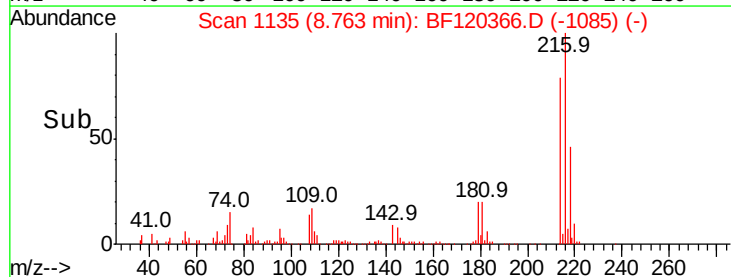
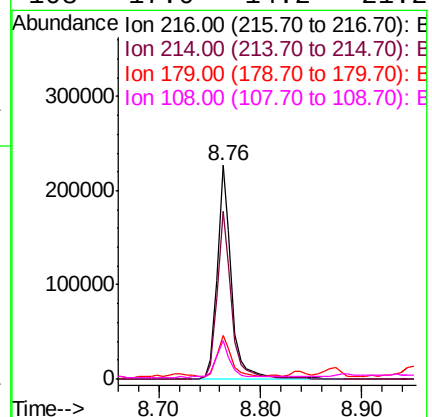
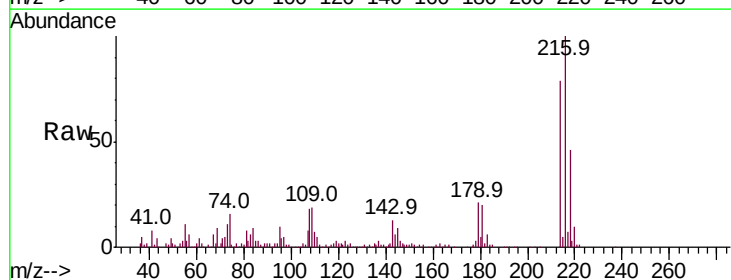
Ion Ratio Lower Upper

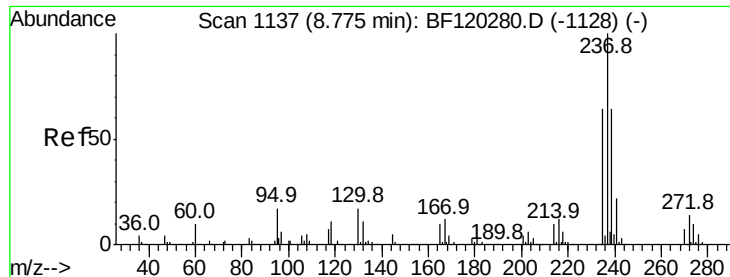
216 100

214 79.2 64.0 96.0

179 19.3 16.9 25.3

108 17.0 14.2 21.2





#41

Hexachlorocyclopentadiene

Concen: 12.352 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

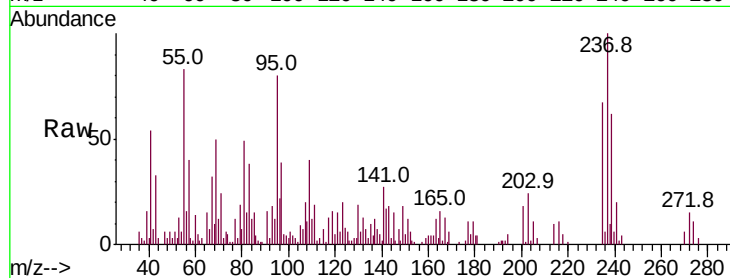
Tot Ion:237 Resp: 22466

Ion Ratio Lower Upper

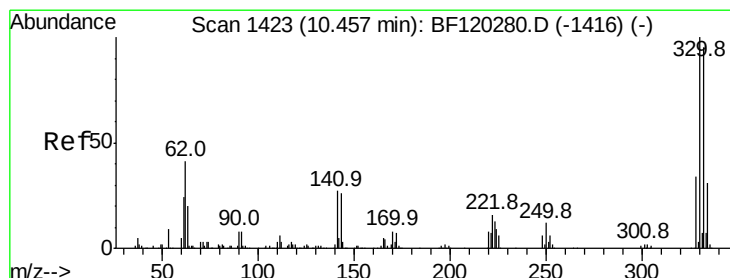
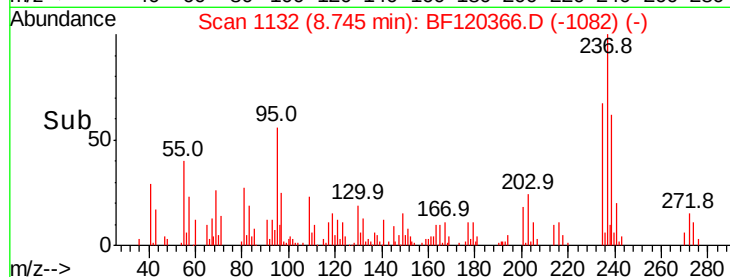
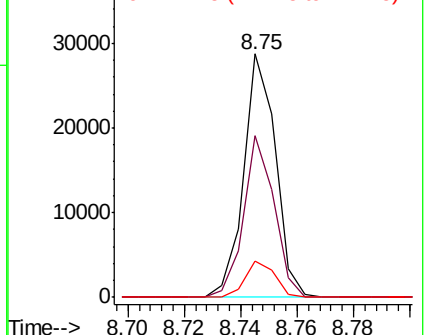
237 100

235 66.6 43.8 83.8

272 15.0 0.0 33.9



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: 59.605 ng

RT: 10.44 min Scan# 1421

Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

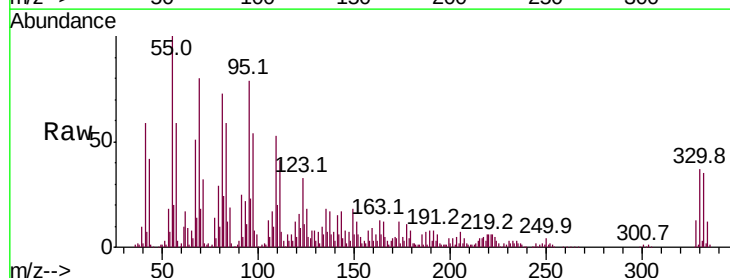
Tgt Ion:330 Resp: 168155

Ion Ratio Lower Upper

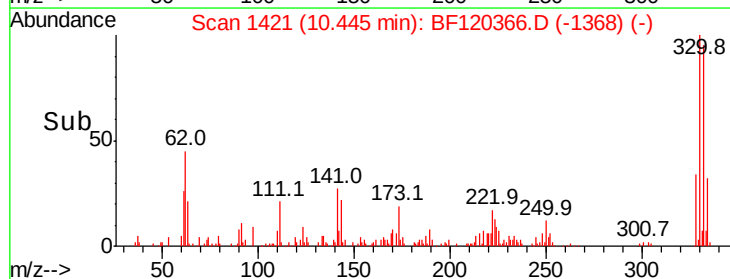
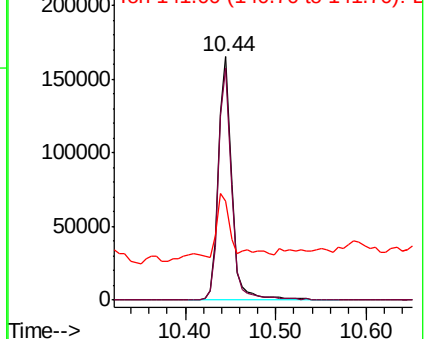
330 100

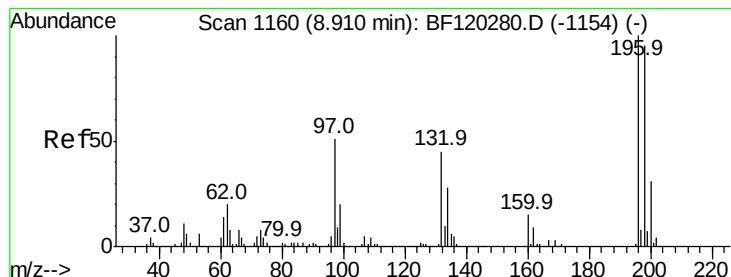
332 95.1 76.5 114.7

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: 23.592 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

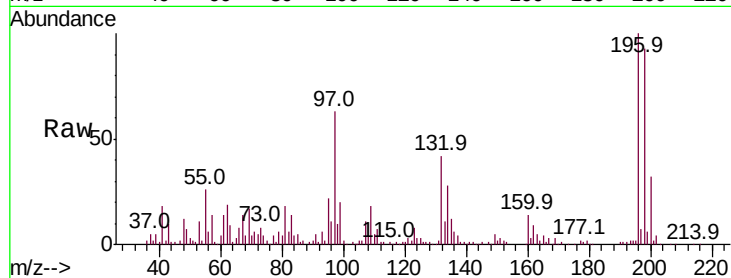
Tot Ion:196 Resp: 138167

Ion Ratio Lower Upper

196 100

198 92.7 76.2 114.4

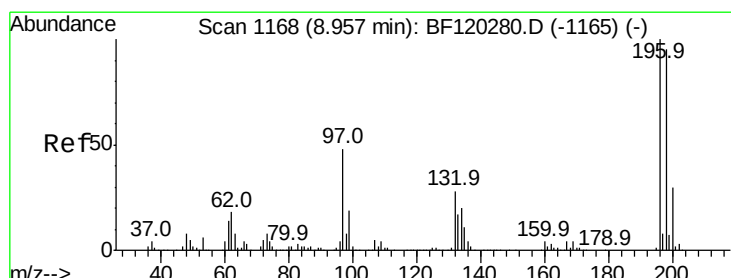
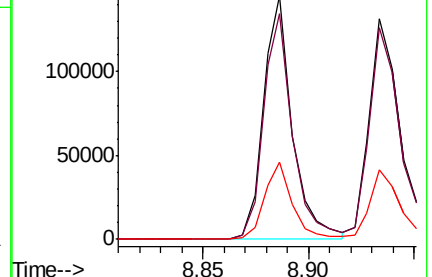
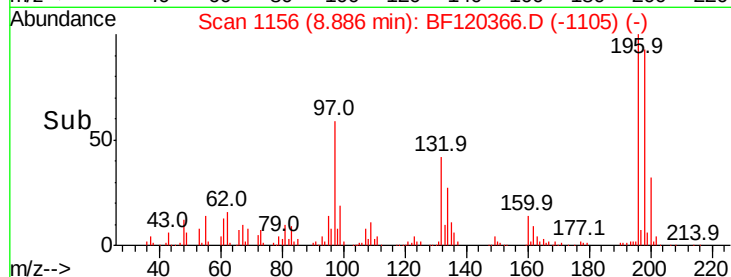
200 31.8 24.9 37.3



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 21.893 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

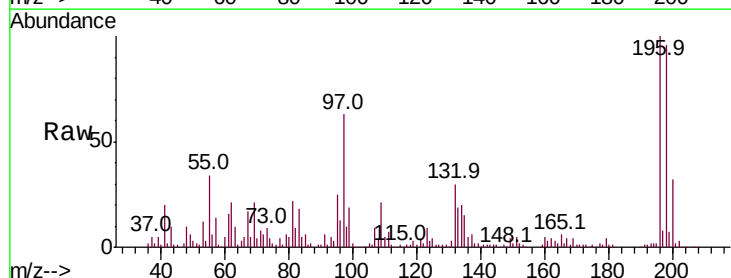
Ion Ratio Lower Upper

196 100

198 96.2 76.2 114.4

97 63.1 38.6 57.8#

132 29.7 23.2 34.8

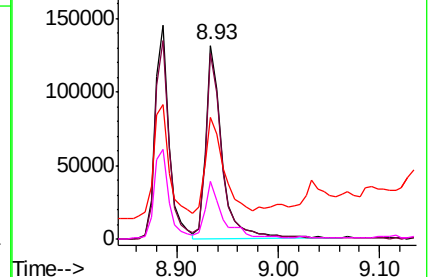
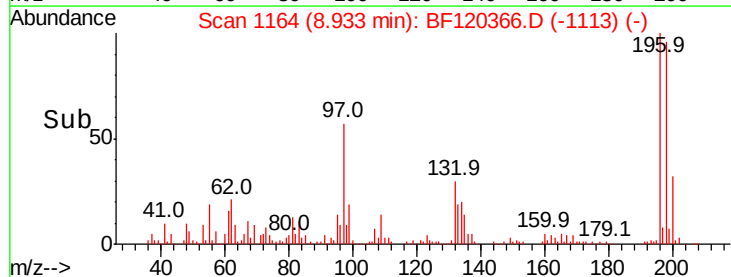


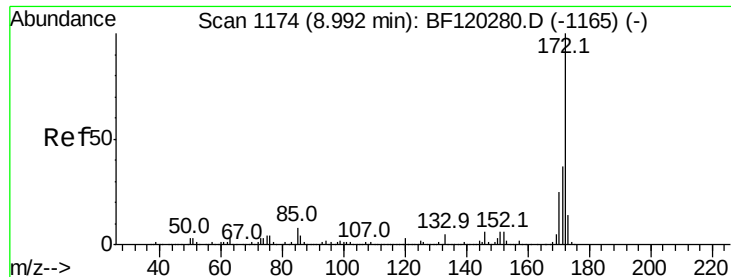
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

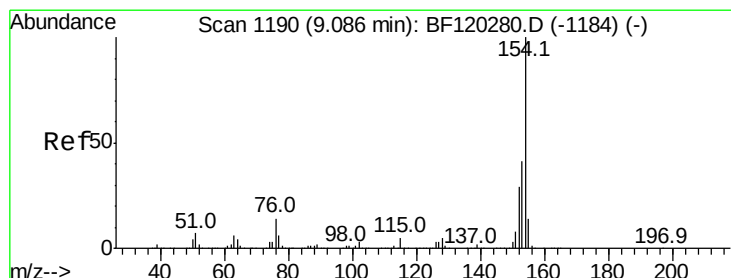
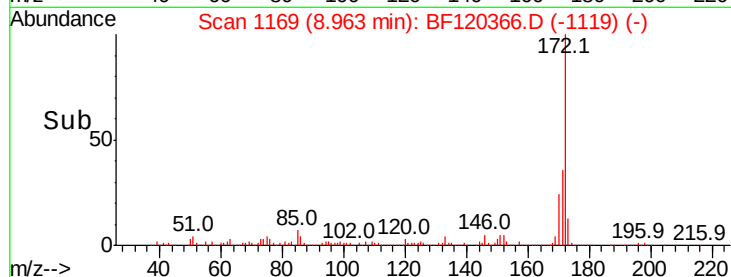
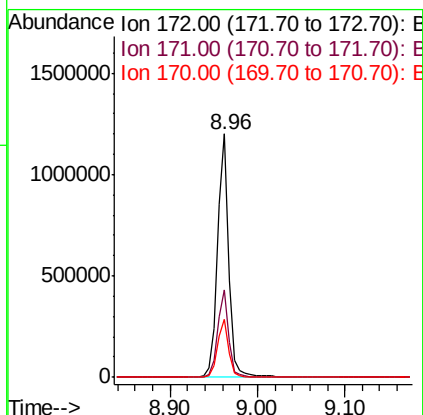
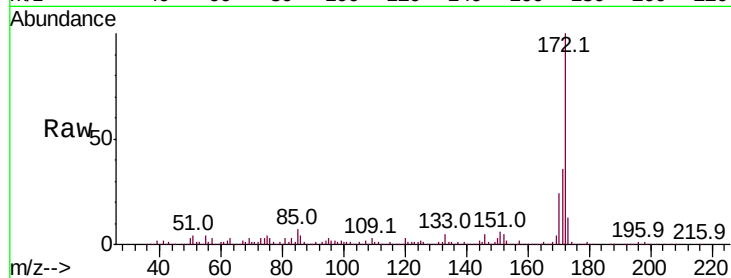




#45
2-Fluorobiphenyl
Concen: 63.969 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

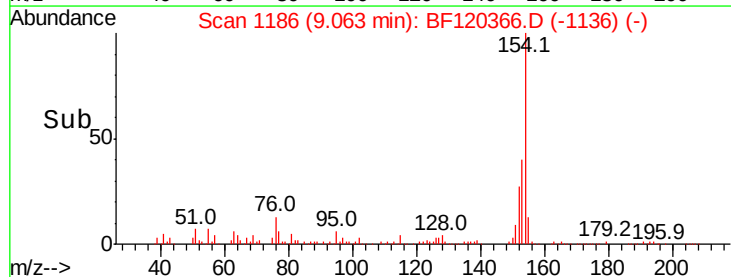
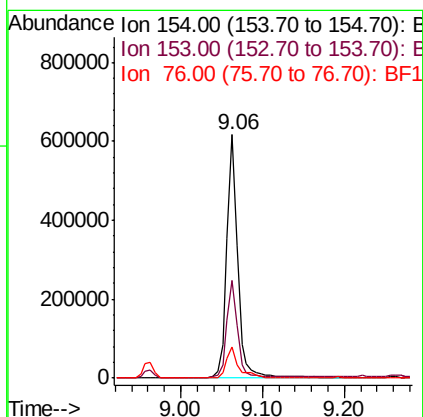
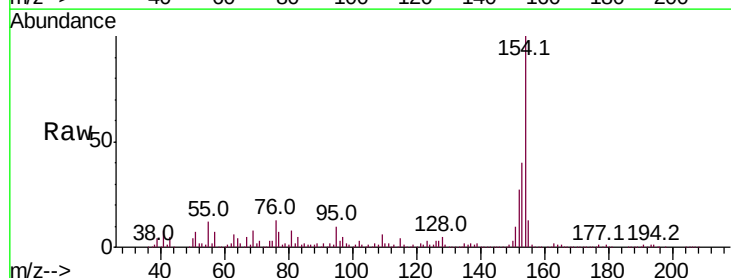
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

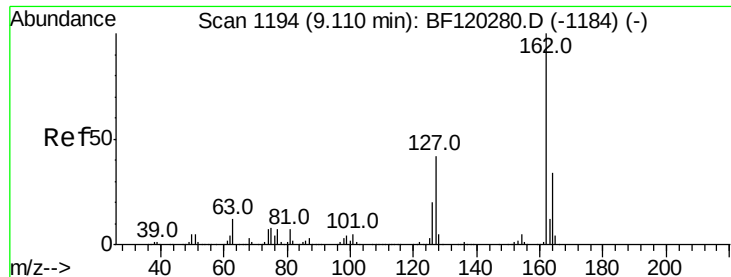
Tot Ion:172 Resp: 1077341
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.0 19.9 29.9



#46
1,1'-Biphenyl
Concen: 25.360 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:154 Resp: 574939
Ion Ratio Lower Upper
154 100
153 40.1 20.8 60.8
76 13.0 0.0 34.3

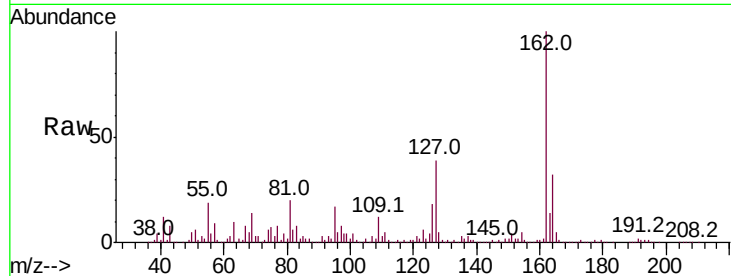




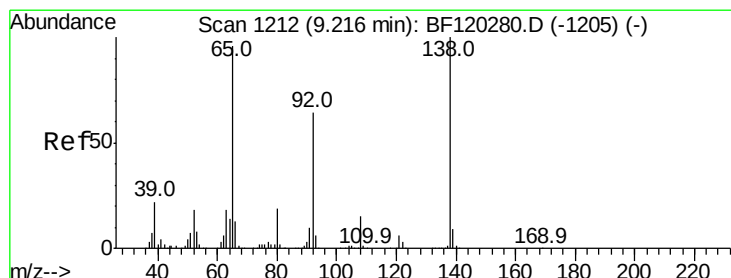
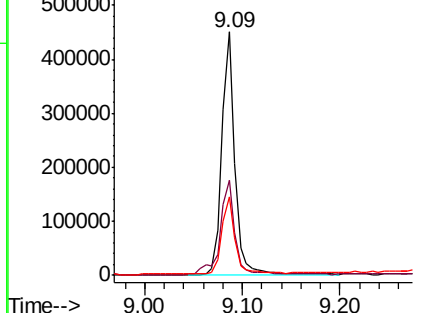
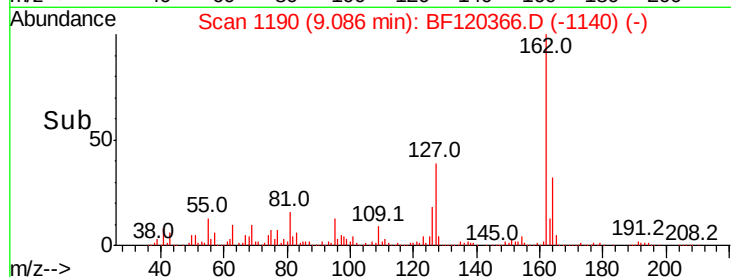
#47
 2-Chloronaphthalene
 Concen: 23.038 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	33.4	50.0
164	32.4	27.0	40.6

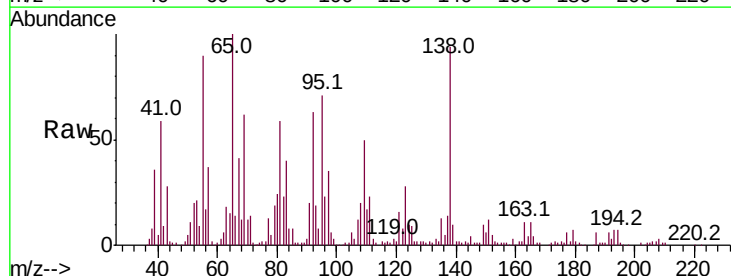


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

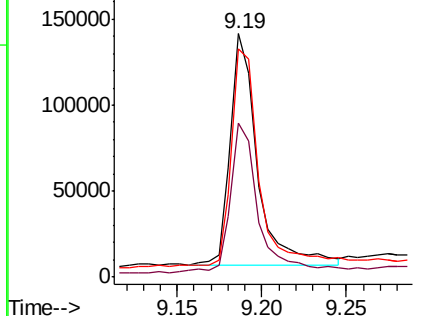
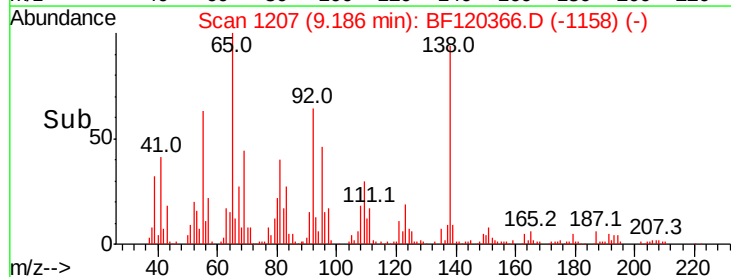


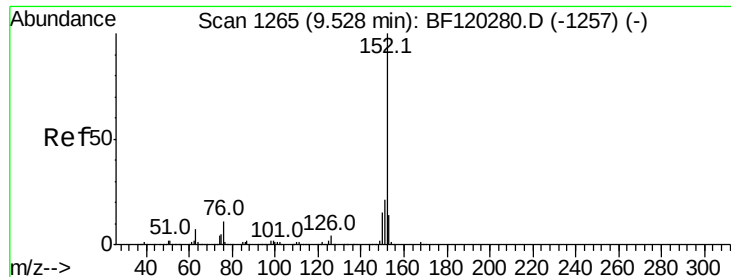
#48
 2-Nitroaniline
 Concen: 22.982 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.1	52.9	79.3
138	93.8	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: 26.528 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

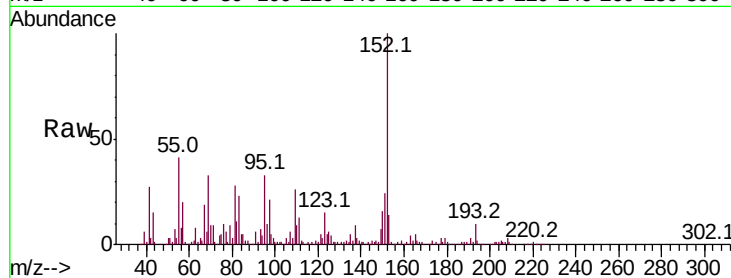
Tot Ion:152 Resp: 736910

Ion Ratio Lower Upper

152 100

151 23.8 16.6 25.0

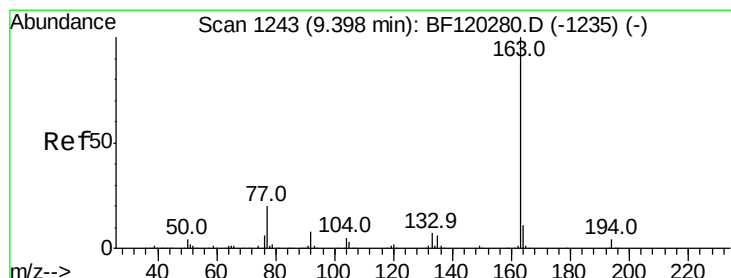
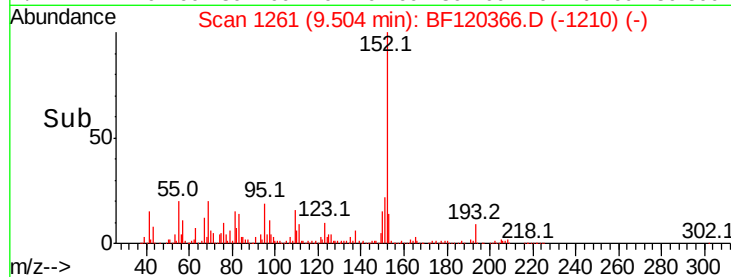
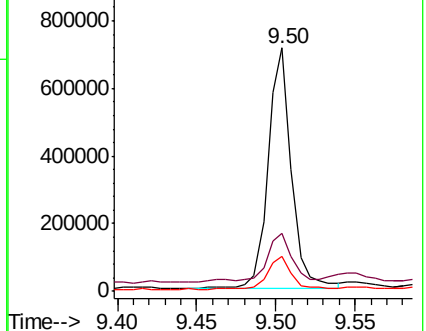
153 14.1 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 29.702 ng

RT: 9.37 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

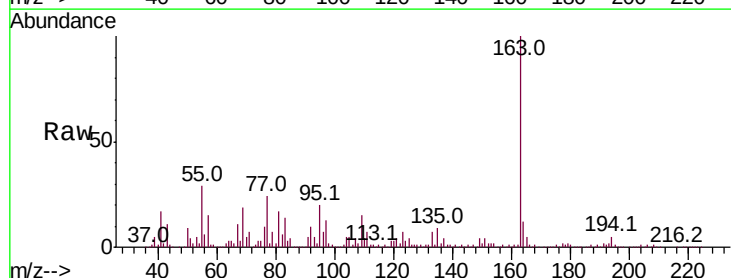
Tgt Ion:163 Resp: 649655

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

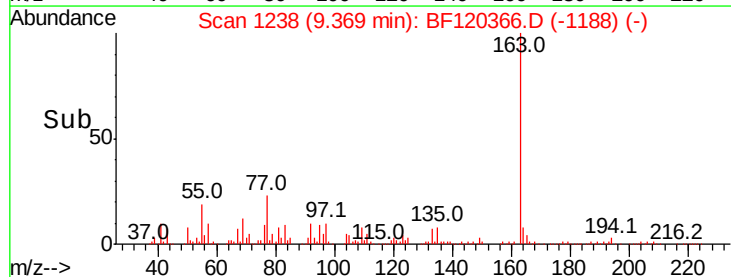
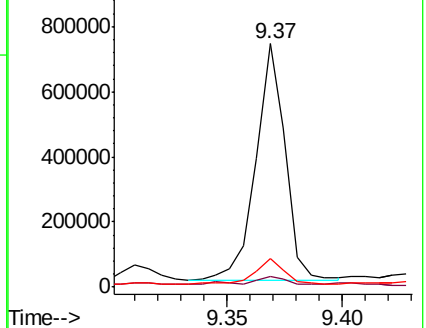
164 11.9 8.6 12.8

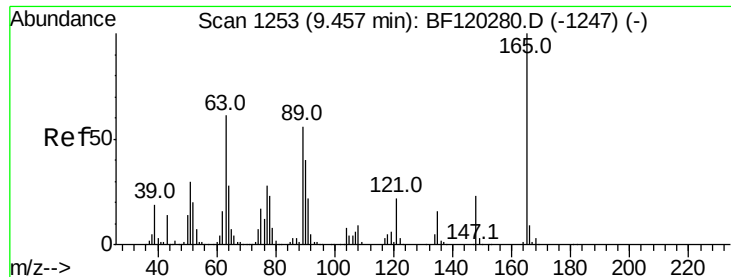


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

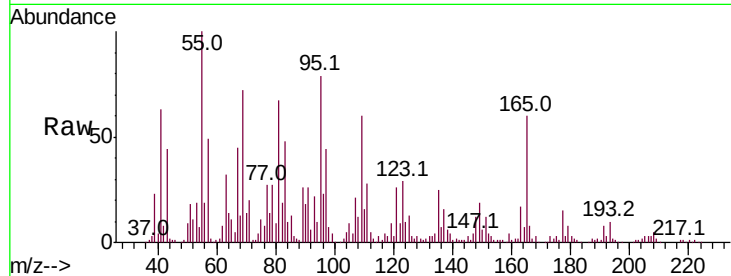




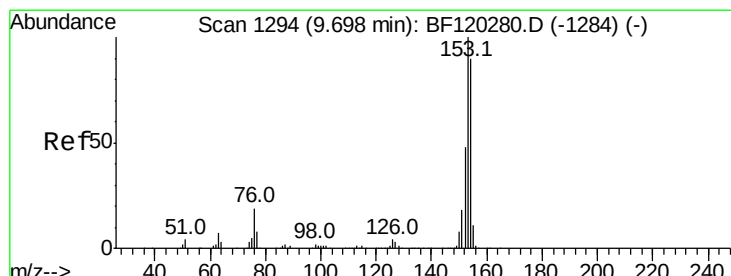
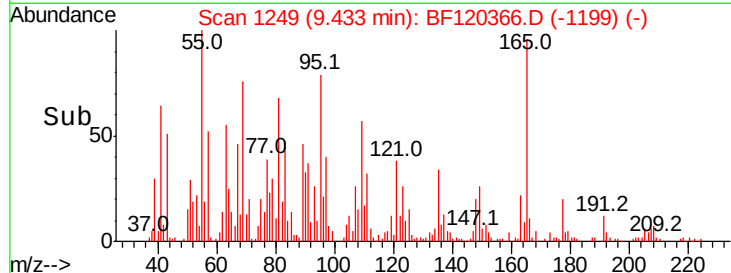
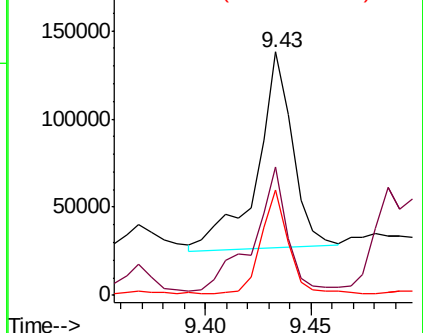
#51
 2,6-Dinitrotoluene
 Concen: 26.786 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

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

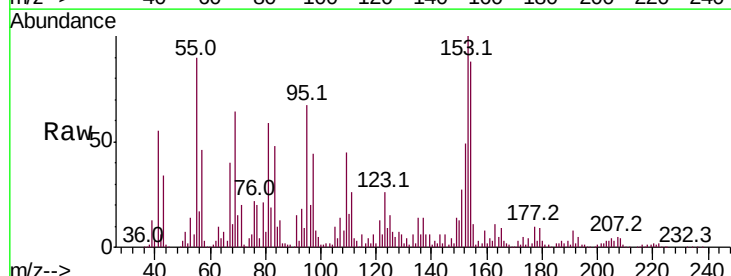


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

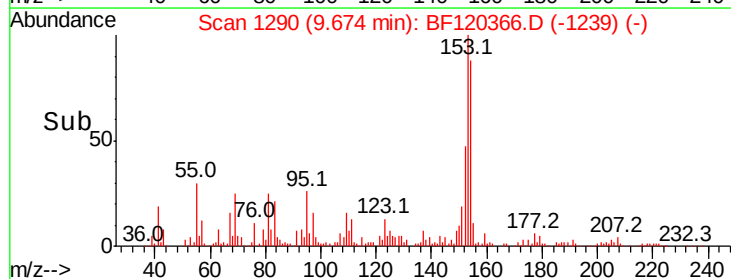
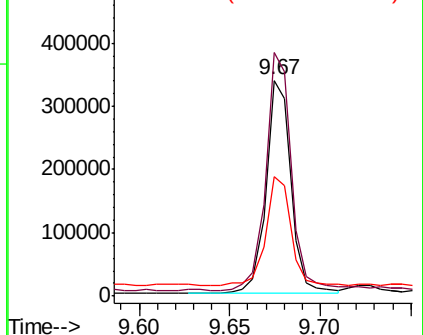


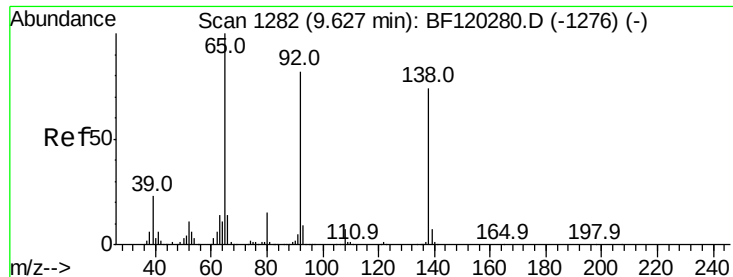
#52
 Acenaphthene
 Concen: 19.361 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

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



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

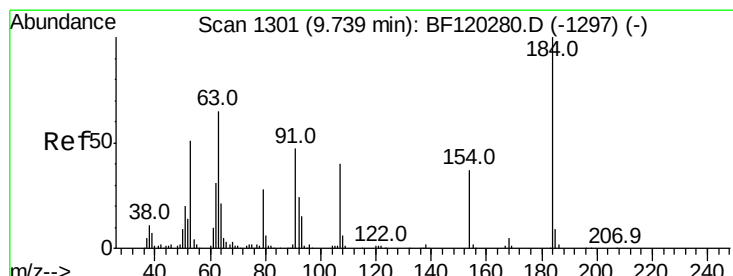
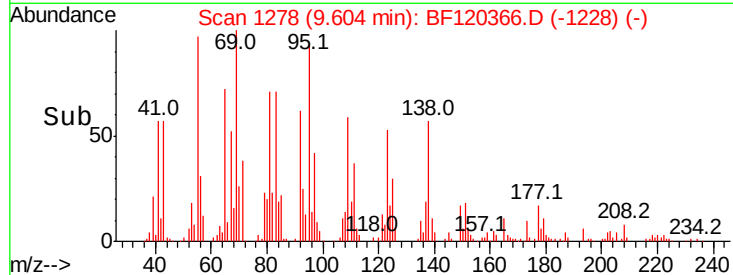
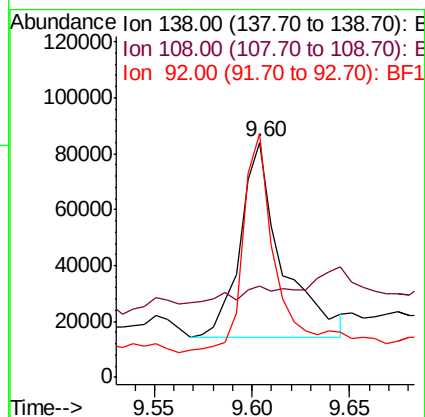
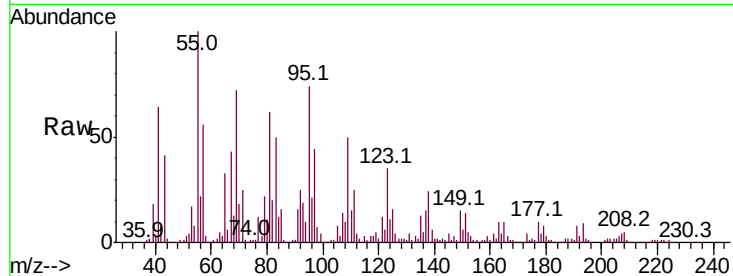




#53
3-Nitroaniline
Concen: 17.570 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

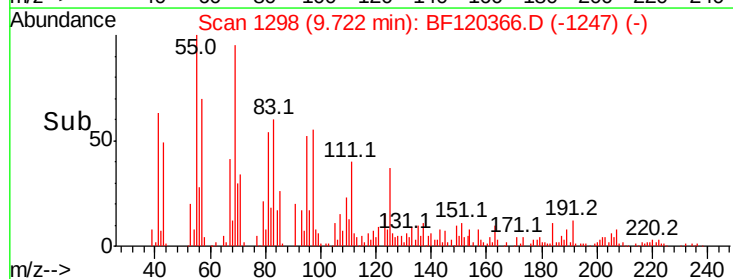
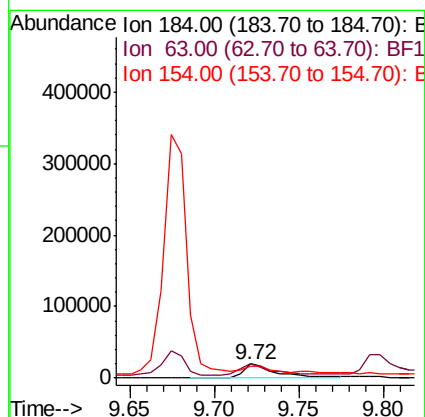
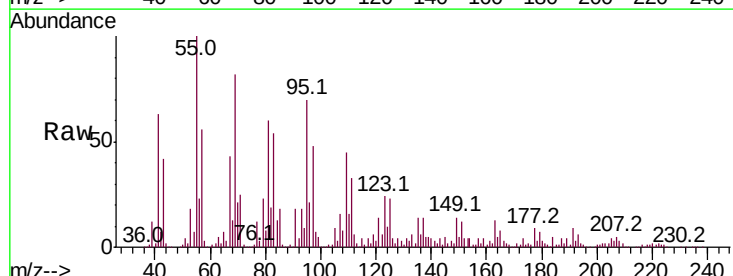
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

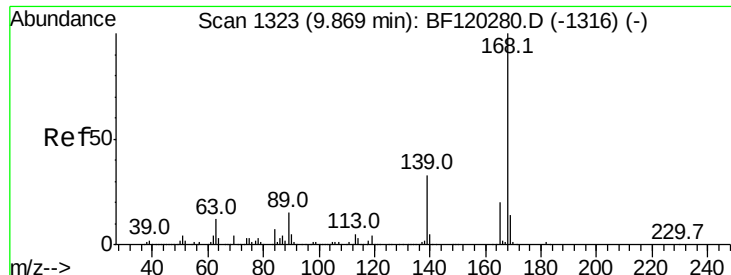
Tot Ion:138 Resp: 102287
Ion Ratio Lower Upper
138 100
108 39.1 8.2 12.2#
92 103.5 89.6 134.4



#54
2,4-Dinitrophenol
Concen: 12.352 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#

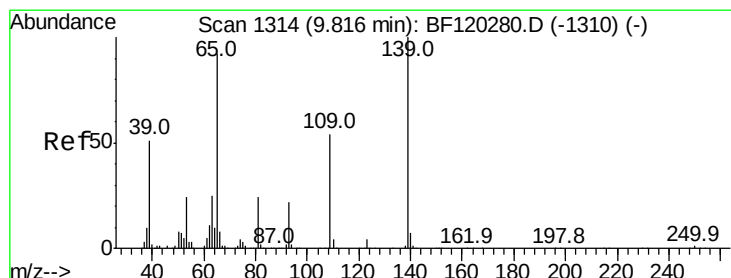
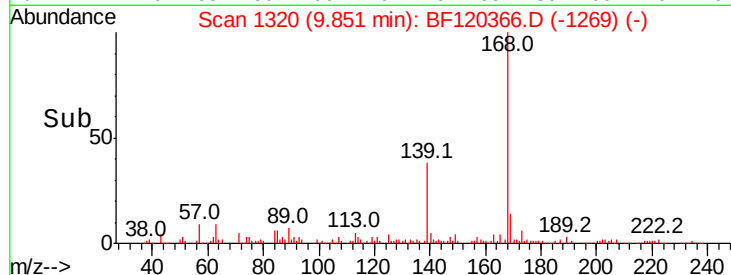
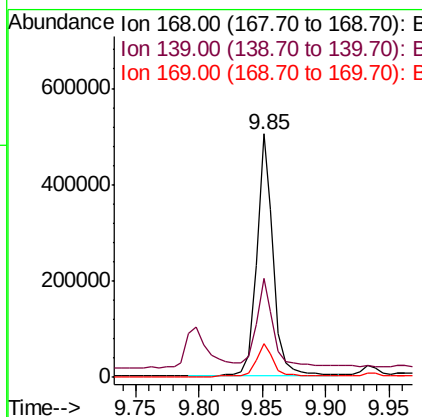
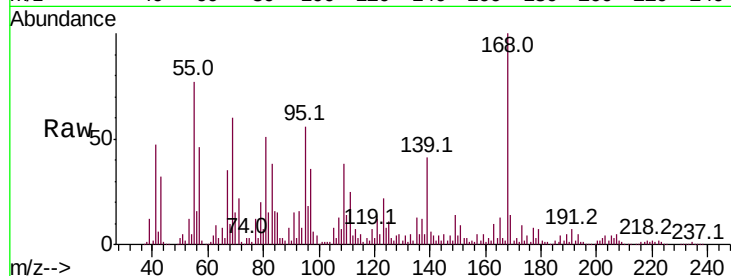




#55
Dibenzofuran
Concen: 19.123 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

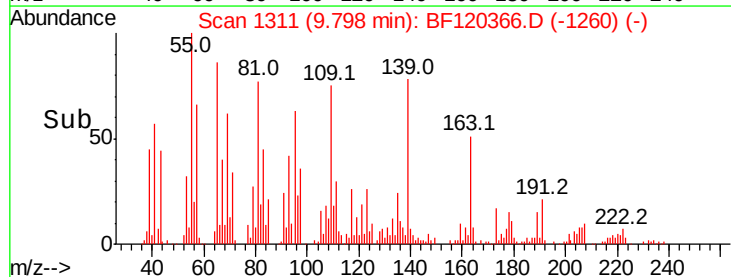
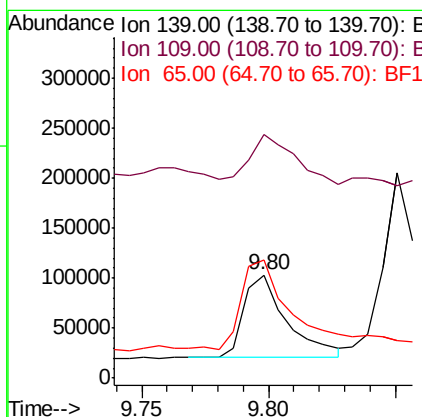
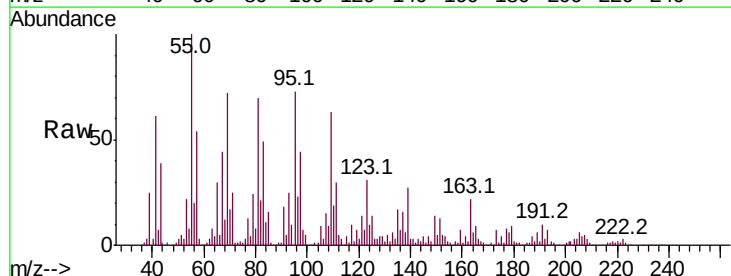
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

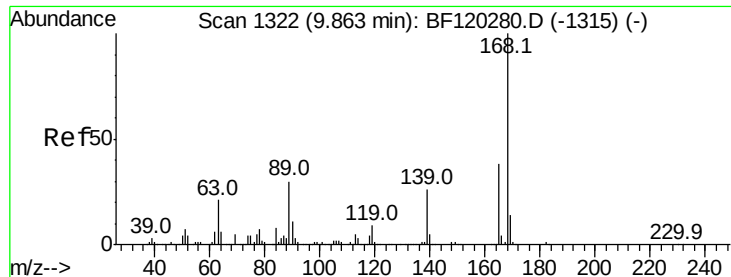
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	29.8	44.6
169	13.9	11.0	16.6



#56
4-Nitrophenol
Concen: 31.221 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	Lower	Upper
139	100		
109	235.7	34.6	74.6#
65	114.4	73.3	113.3#

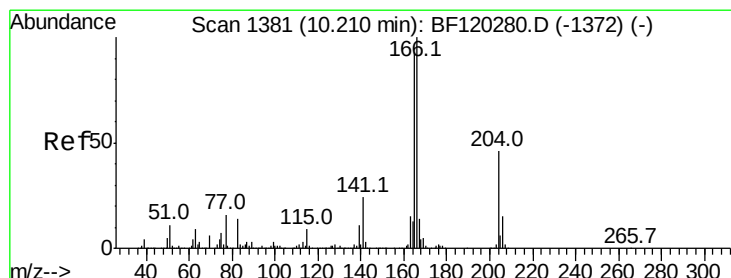
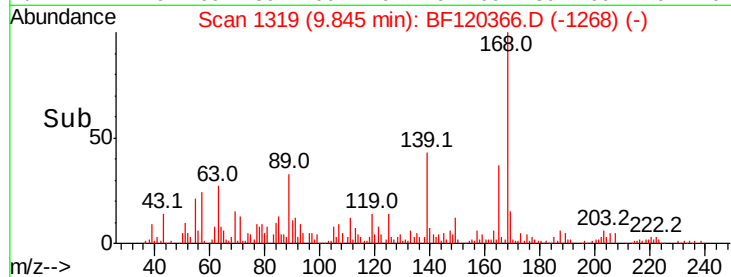
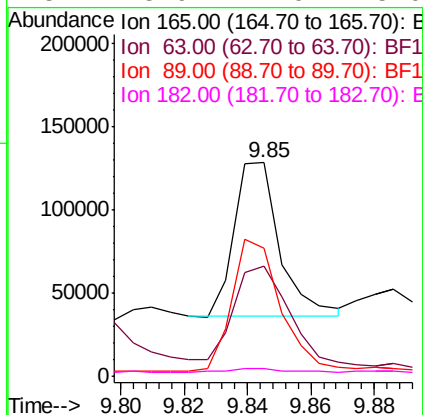
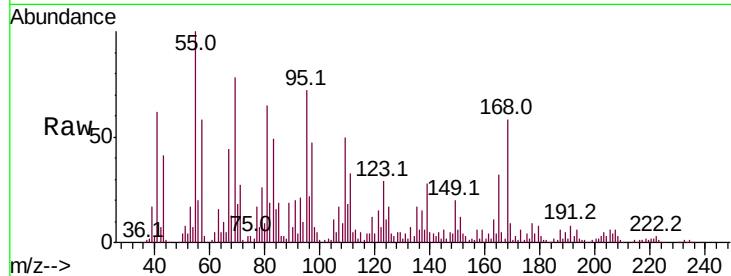




#57
 2,4-Dinitrotoluene
 Concen: 15.993 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

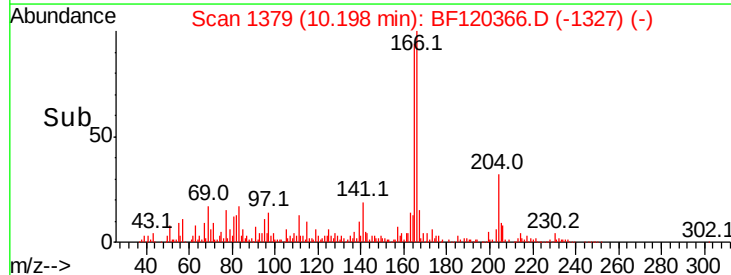
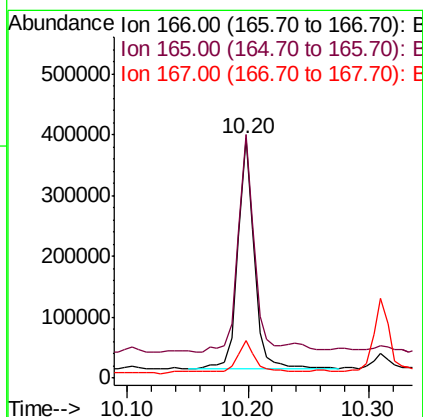
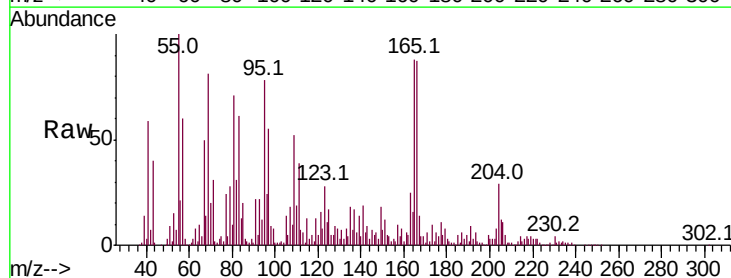
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

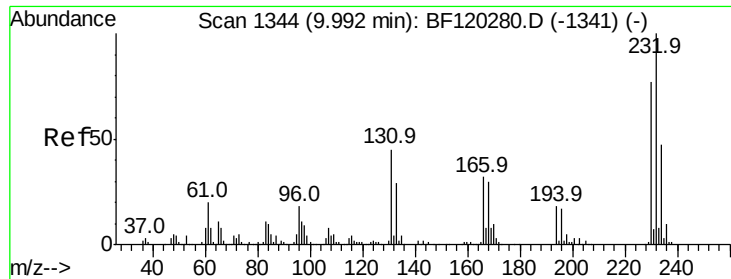
Tot Ion	Ratio	Lower	Upper
165	100		
63	51.3	51.8	77.8#
89	59.7	64.2	96.4#
182	3.9	2.0	3.0#



#58
 Fluorene
 Concen: 19.727 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	Lower	Upper
166	100		
165	101.6	74.7	112.1
167	15.8	11.4	17.0

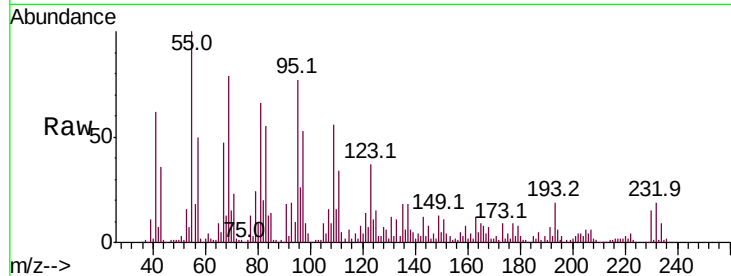




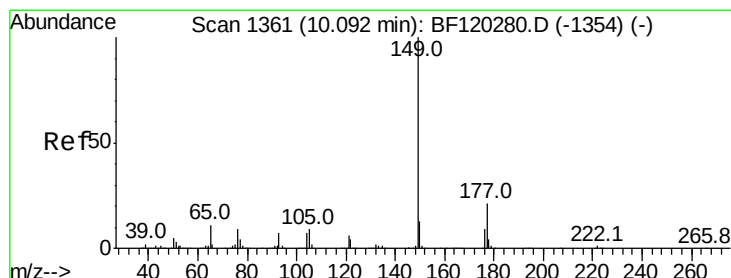
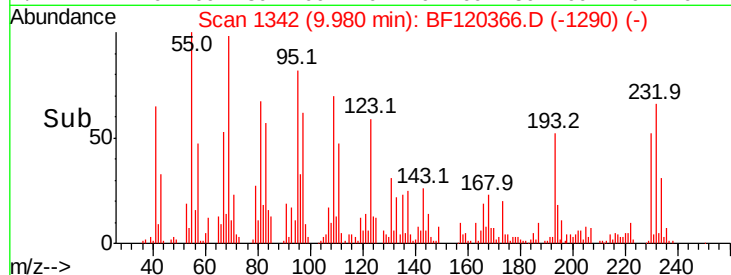
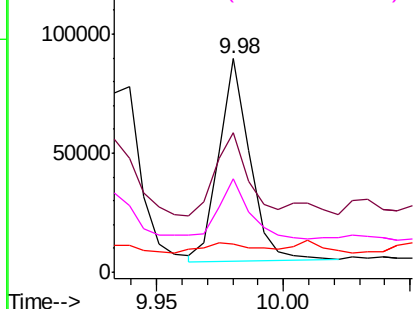
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 14.397 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

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

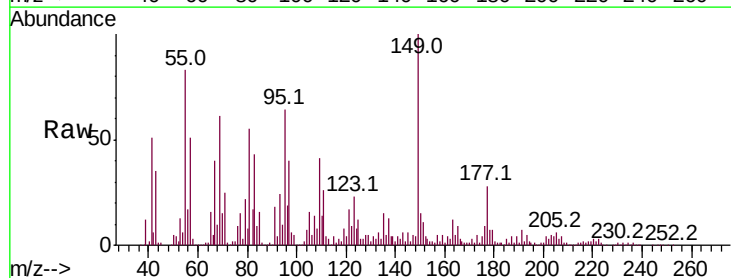


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

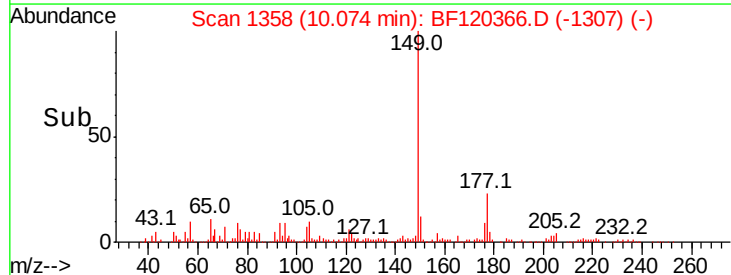
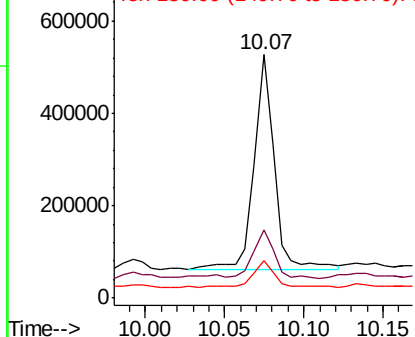


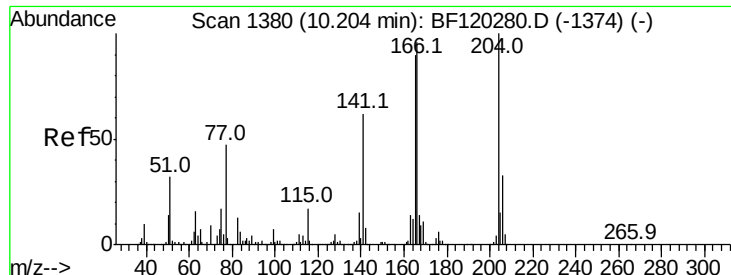
#60
 Diethylphthalate
 Concen: 19.493 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

Tgt Ion:149 Resp: 411621
 Ion Ratio Lower Upper
 149 100
 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

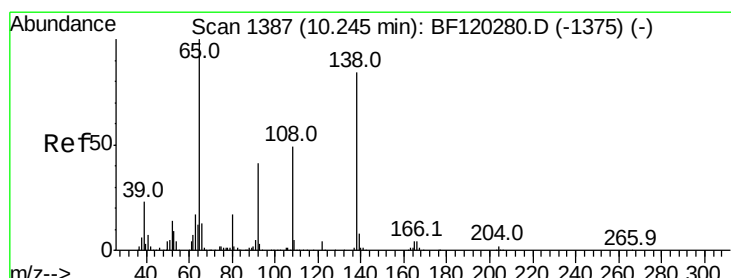
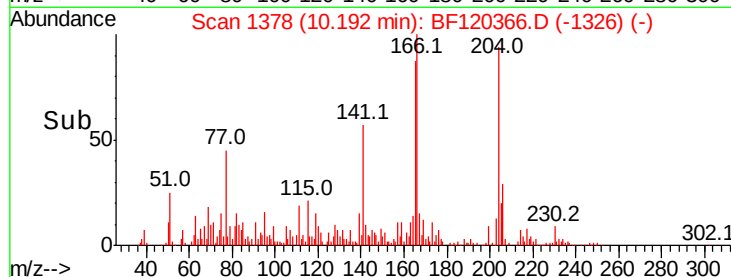
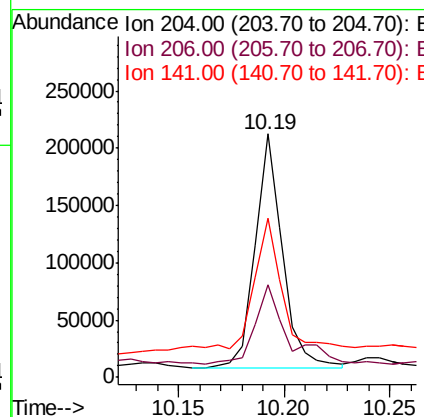
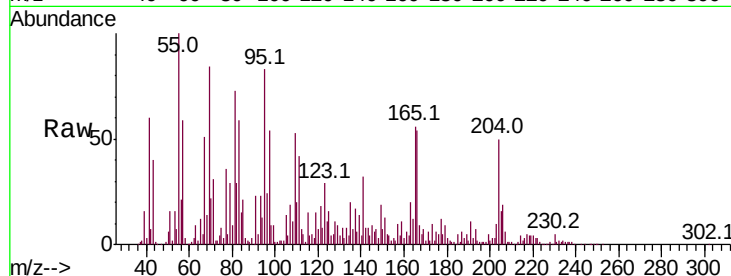




#61
4-Chlorophenyl-phenylether
Concen: 19.491 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

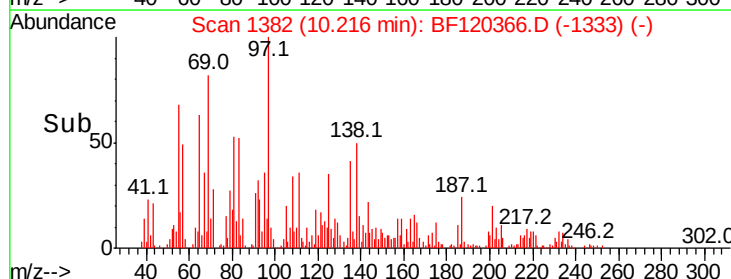
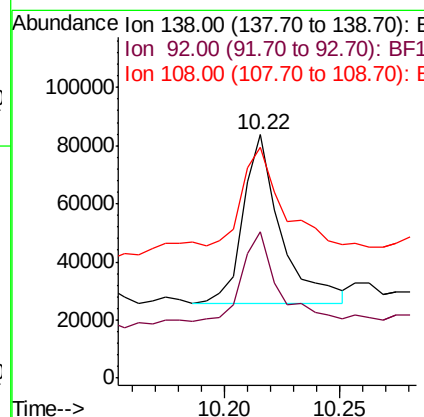
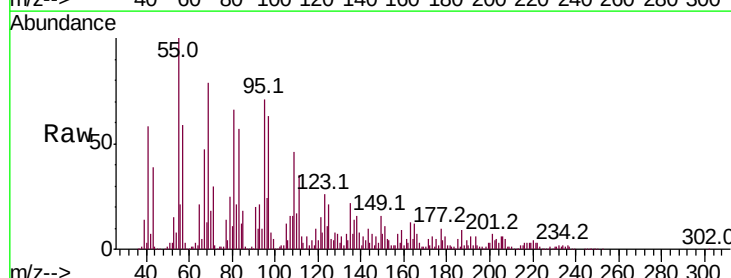
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

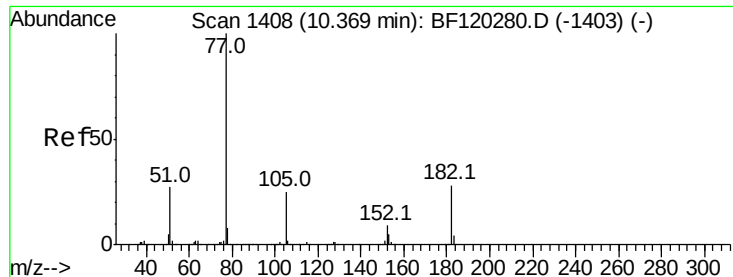
Tot Ion:204 Resp: 185053
Ion Ratio Lower Upper
204 100
206 37.8 26.8 40.2
141 65.4 49.5 74.3



#62
4-Nitroaniline
Concen: 12.359 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:138 Resp: 66999
Ion Ratio Lower Upper
138 100
92 60.2 28.9 68.9
108 94.8 38.4 78.4#

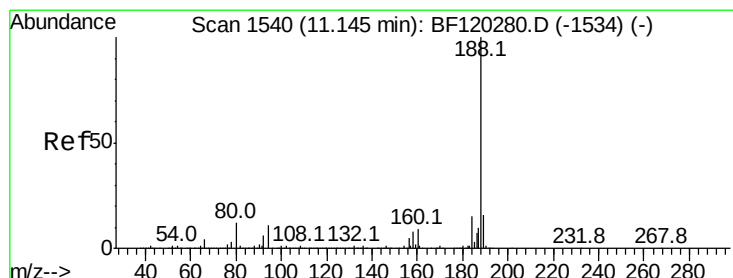
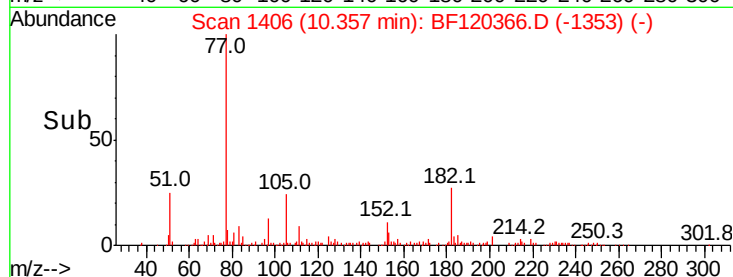
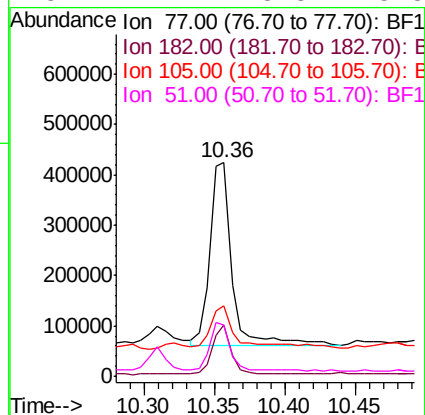
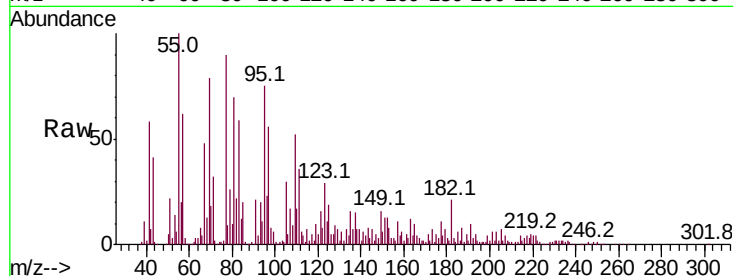




#63
Azobenzene
Concen: 19.758 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

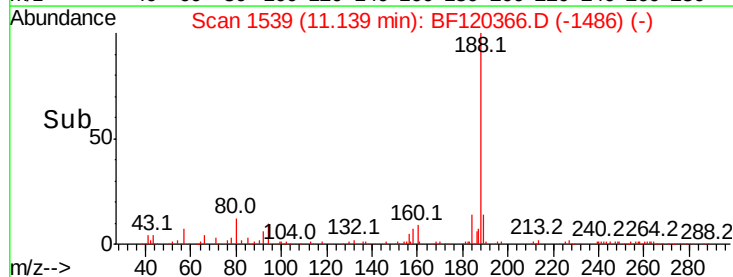
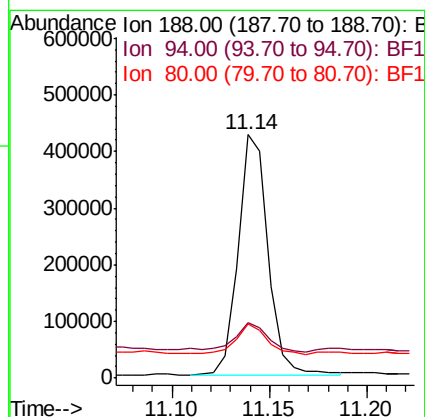
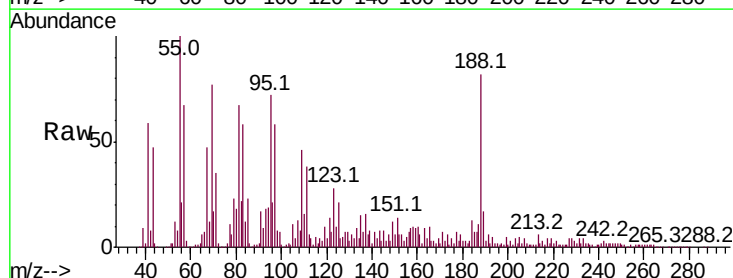
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

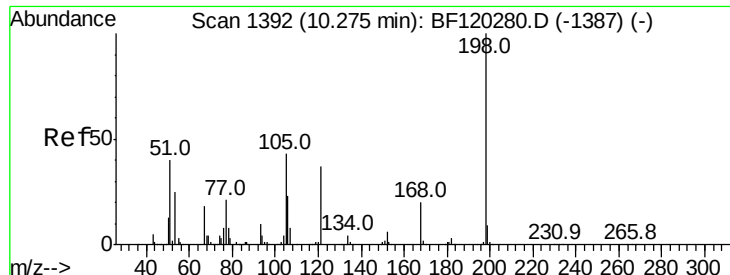
Tot Ion:	77	Resp:	394326
Ion	Ratio	Lower	Upper
77	100		
182	23.8	7.4	47.4
105	32.7	4.4	44.4
51	24.2	8.3	48.3



#64
Phenanthrene-d10
Concen: 20.000 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:	188	Resp:	447588
Ion	Ratio	Lower	Upper
188	100		
94	22.6	8.6	13.0#
80	22.4	9.2	13.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 10.859 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

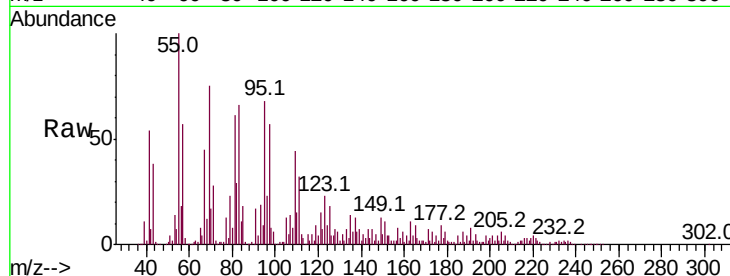
Tot Ion:198 Resp: 24580

Ion Ratio Lower Upper

198 100

51 94.4 27.1 67.1#

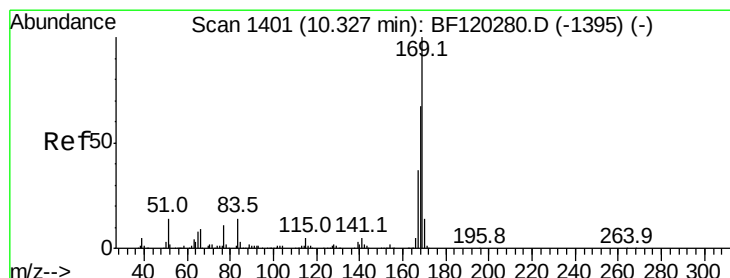
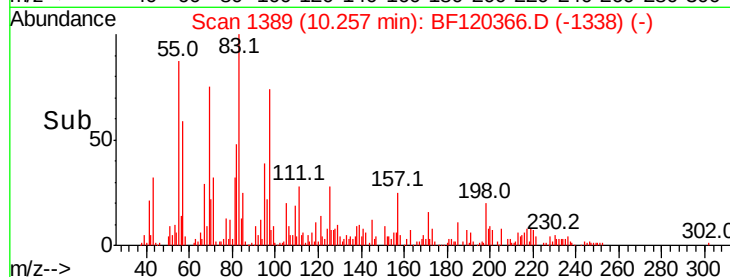
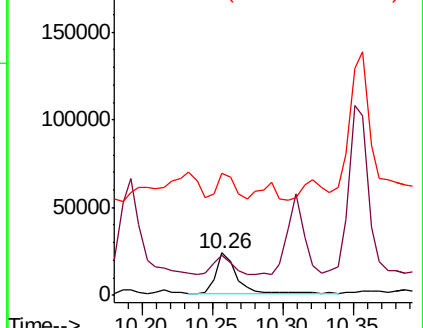
105 289.0 24.3 64.3#



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: 25.592 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

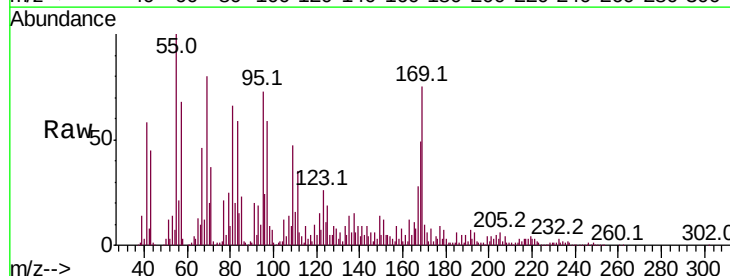
Tgt Ion:169 Resp: 316898

Ion Ratio Lower Upper

169 100

168 65.6 53.7 80.5

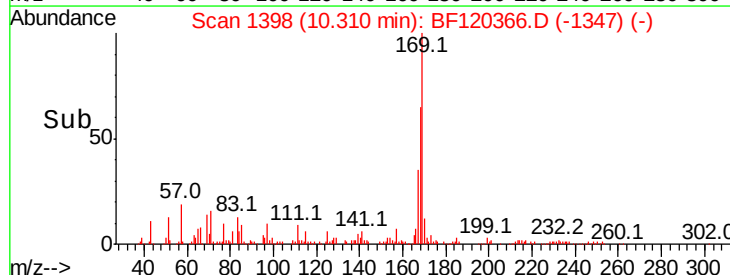
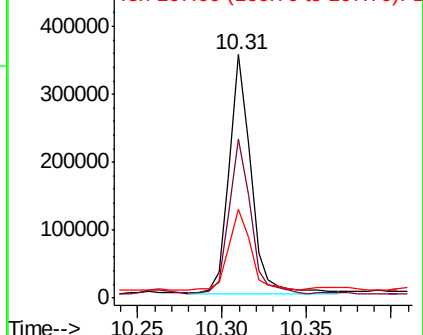
167 36.7 29.8 44.6

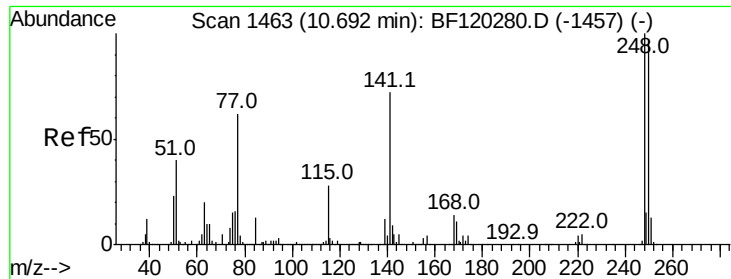


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

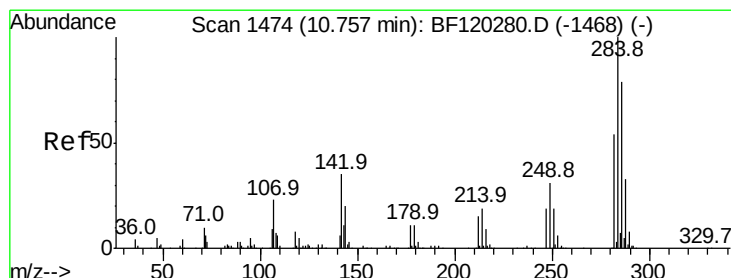
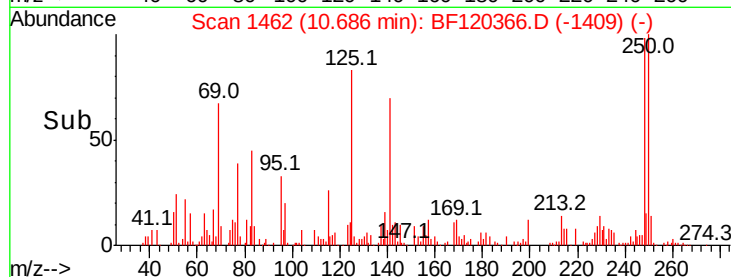
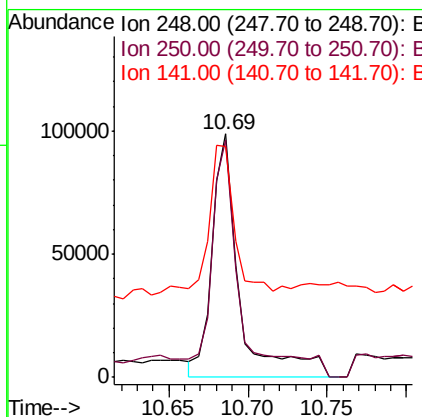
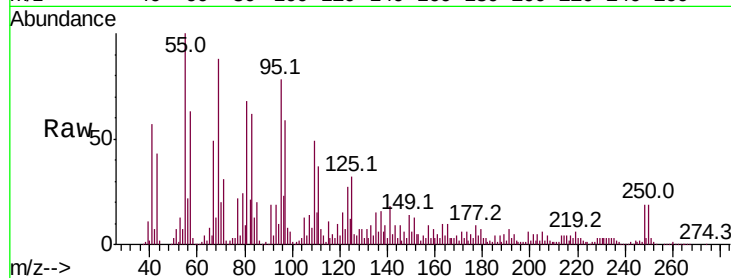




#67
4-Bromophenyl-phenylether
Concen: 27.421 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

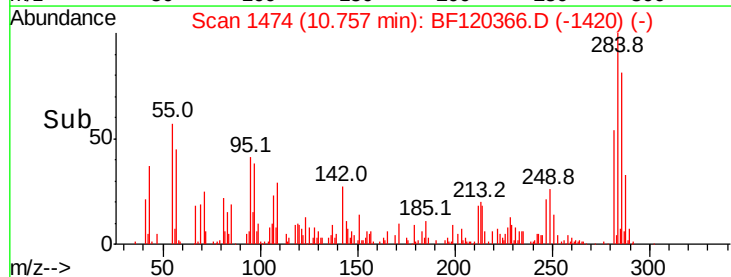
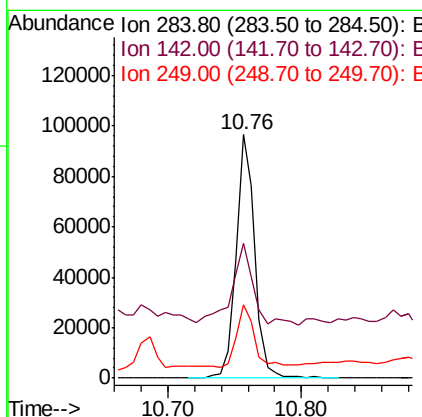
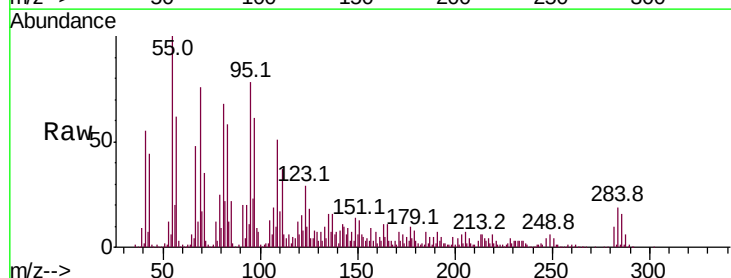
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

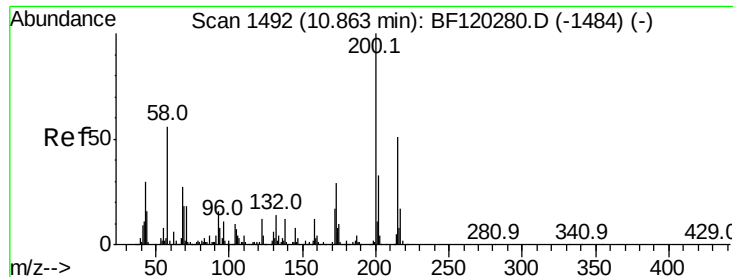
Tot Ion:248 Resp: 119098
Ion Ratio Lower Upper
248 100
250 97.5 77.8 116.6
141 95.0 57.7 86.5#



#68
Hexachlorobenzene
Concen: 20.697 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:284 Resp: 94041
Ion Ratio Lower Upper
284 100
142 55.1 28.5 42.7#
249 29.9 24.8 37.2

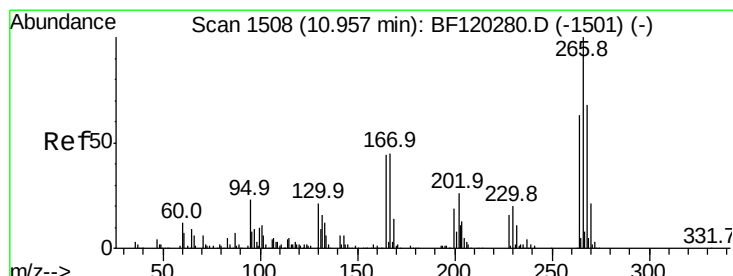
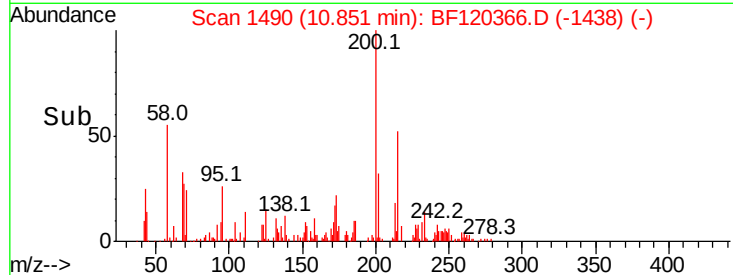
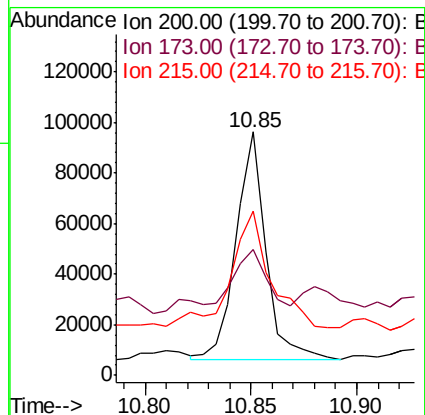
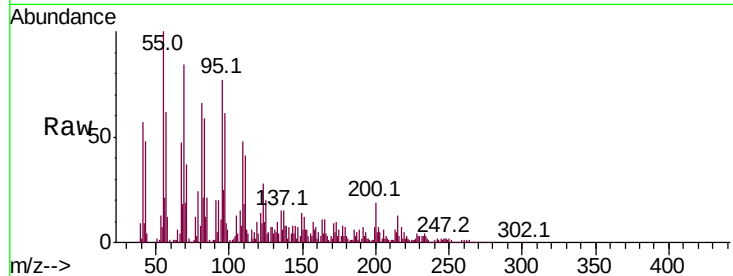




#69
 Atrazine
 Concen: 23.618 ng
 RT: 10.85 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

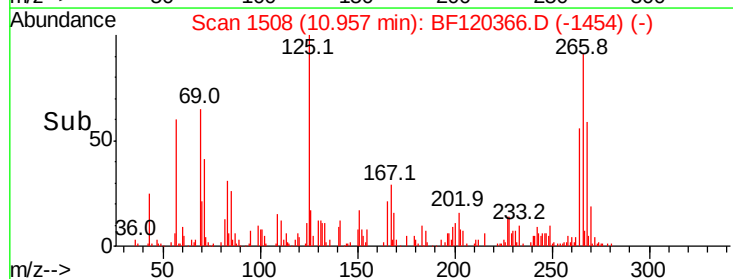
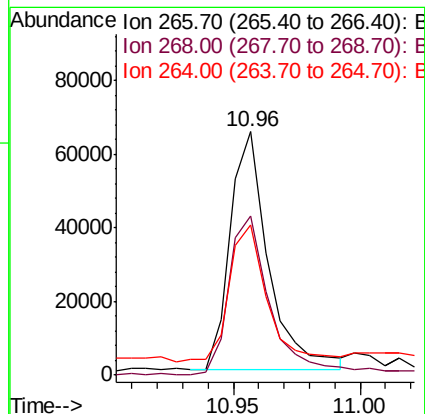
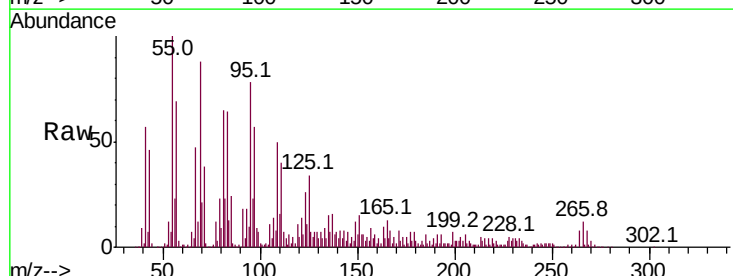
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

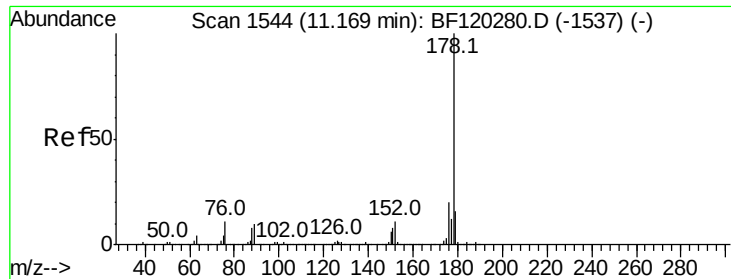
Tot Ion:	200	Resp:	87512
Ion Ratio	Lower	Upper	
200	100		
173	51.7	8.7	48.7#
215	67.4	30.6	70.6



#70
 Pentachlorophenol
 Concen: 35.248 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:	266	Resp:	68117
Ion Ratio	Lower	Upper	
266	100		
268	65.5	54.2	81.4
264	61.6	50.2	75.4

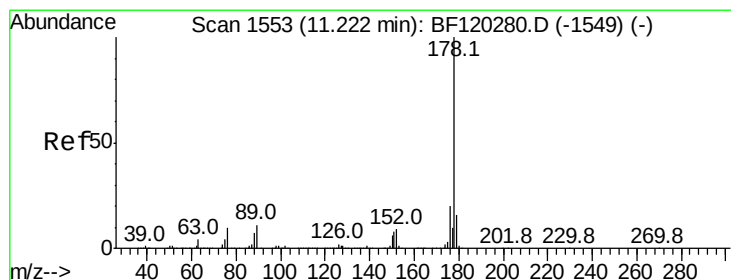
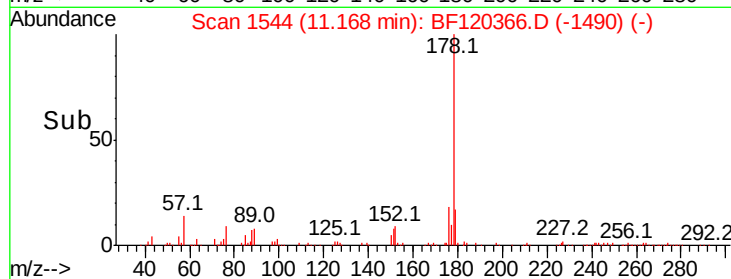
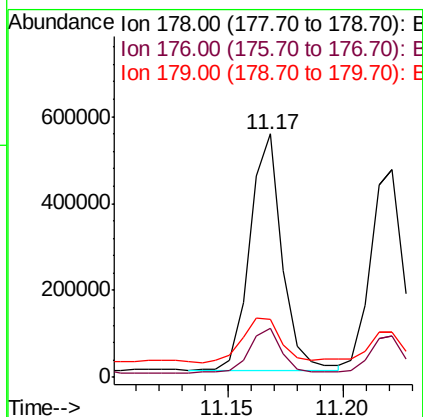
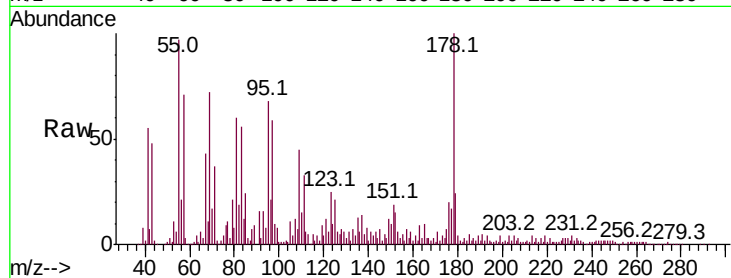




#71
Phenanthrene
Concen: 28.123 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.02 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

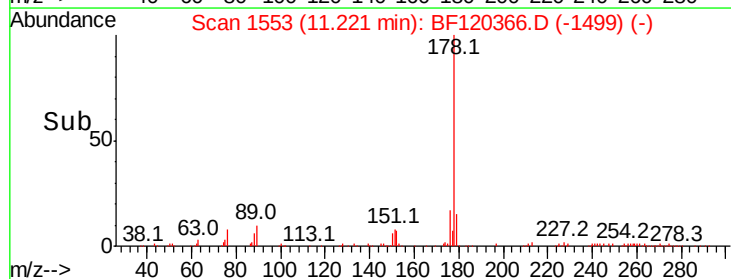
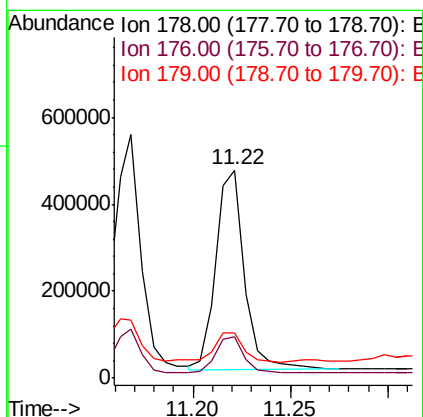
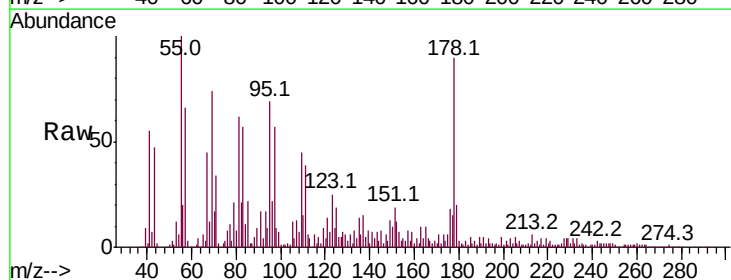
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

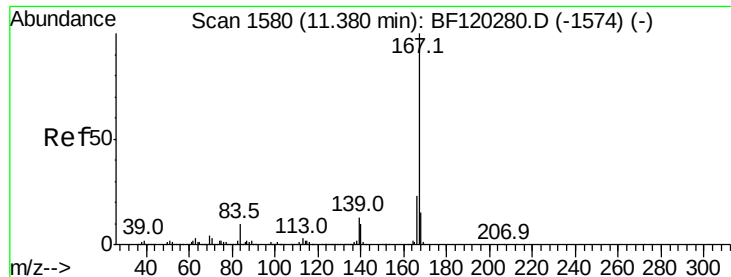
Tot Ion:178 Resp: 528932
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 23.8 12.8 19.2#



#72
Anthracene
Concen: 23.212 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:178 Resp: 467353
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 21.8 13.0 19.6#





#73

Carbazole

Concen: 19.727 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

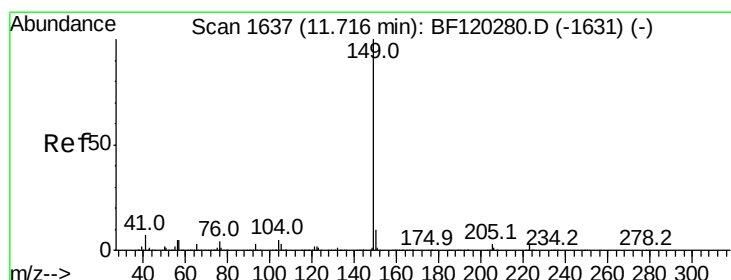
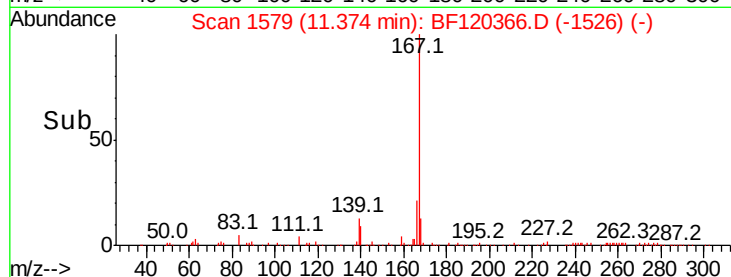
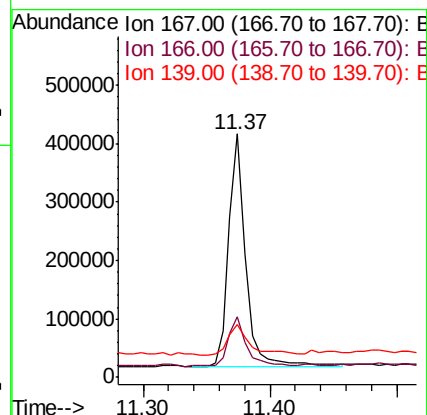
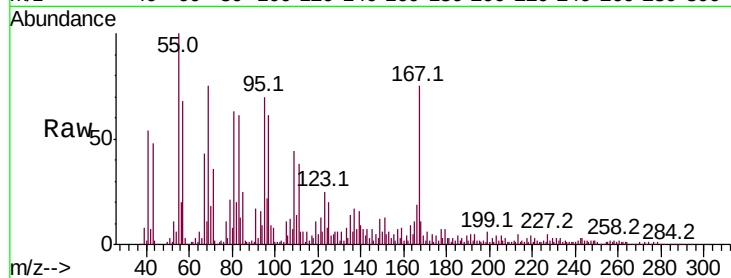
Tot Ion:167 Resp: 371126

Ion Ratio Lower Upper

167 100

166 25.0 18.1 27.1

139 21.9 10.6 15.8#



#74

Di-n-butylphthalate

Concen: 21.197 ng

RT: 11.71 min Scan# 1636

Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

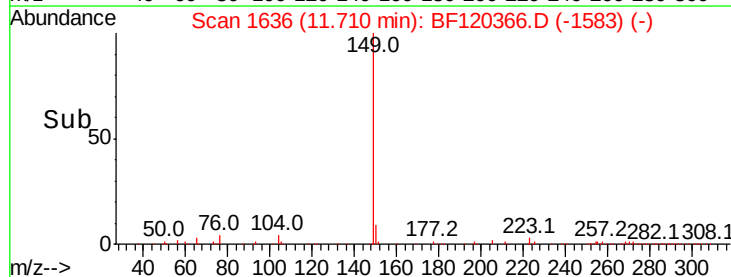
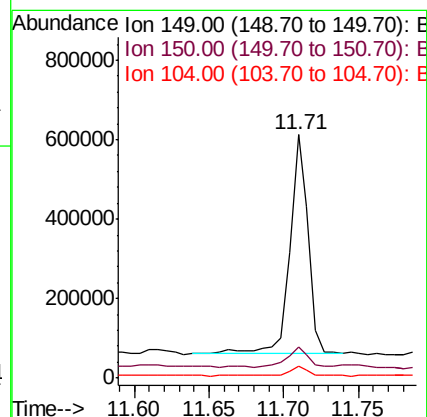
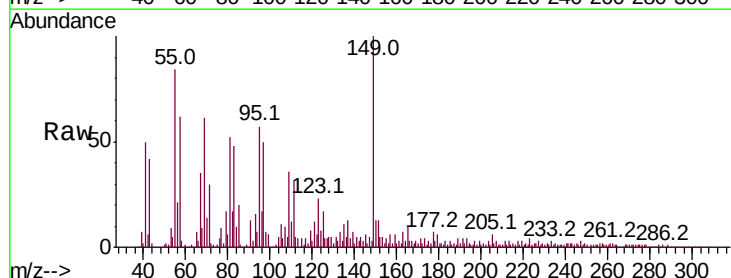
Tgt Ion:149 Resp: 480601

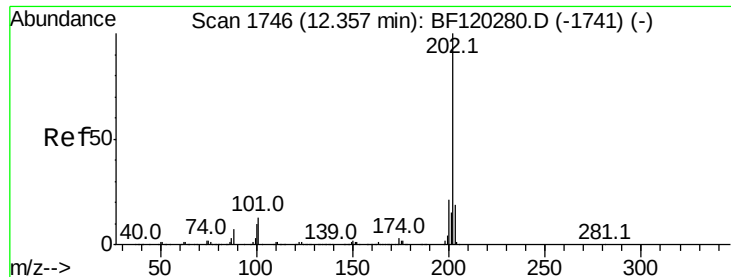
Ion Ratio Lower Upper

149 100

150 12.8 8.2 12.4#

104 4.9 3.8 5.8





#75

Fluoranthene

Concen: 49.183 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

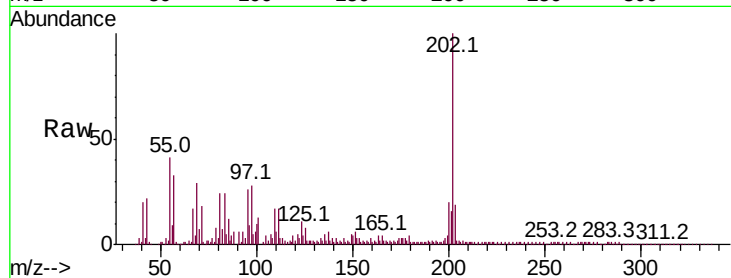
Tot Ion:202 Resp: 991458

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

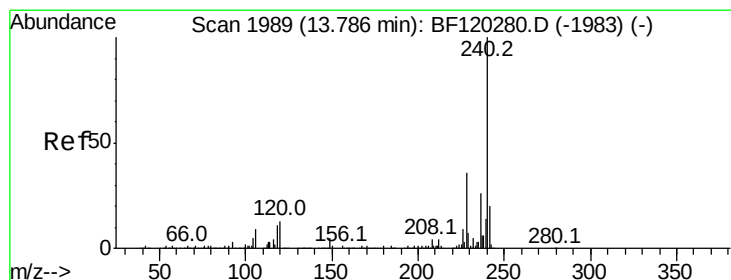
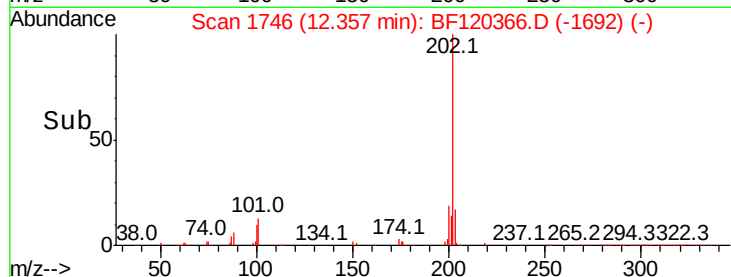
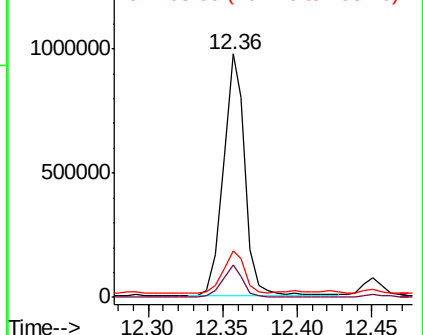
203 19.1 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

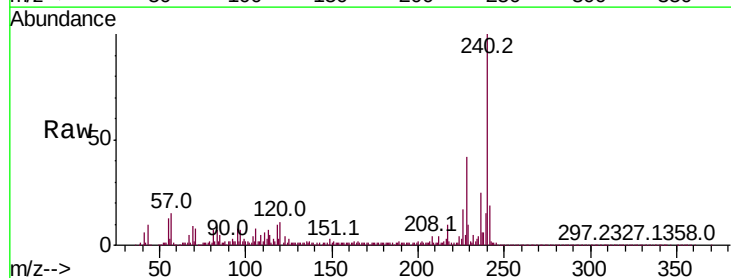
Tgt Ion:240 Resp: 406751

Ion Ratio Lower Upper

240 100

120 10.7 10.4 15.6

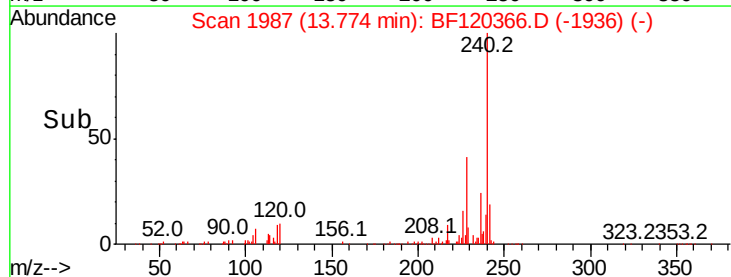
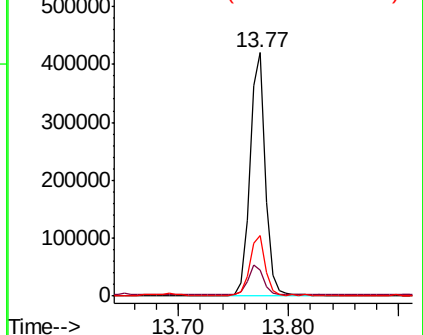
236 24.8 21.0 31.6

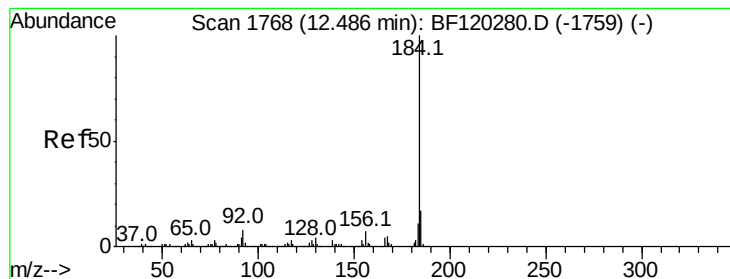


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.049 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

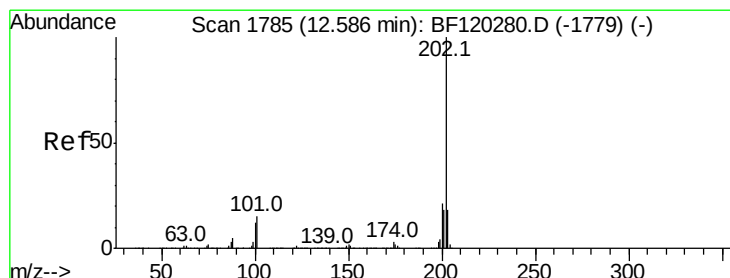
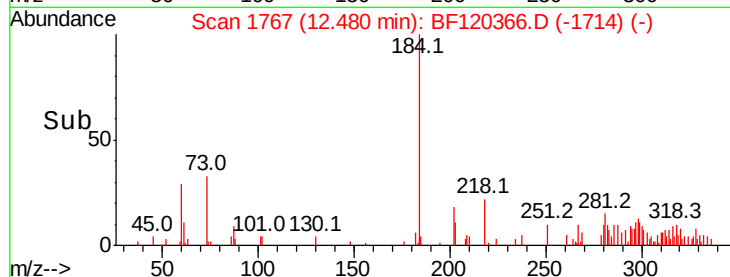
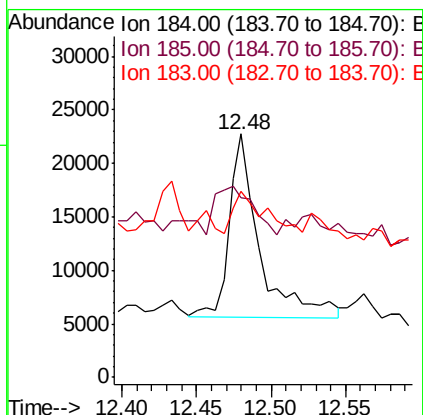
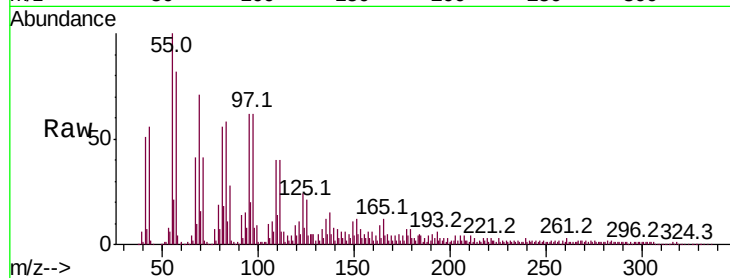
Tot Ion:184 Resp: 24337

Ion Ratio Lower Upper

184 100

185 73.6 13.7 20.5#

183 76.4 8.7 13.1#



#78

Pyrene

Concen: 33.552 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.02 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

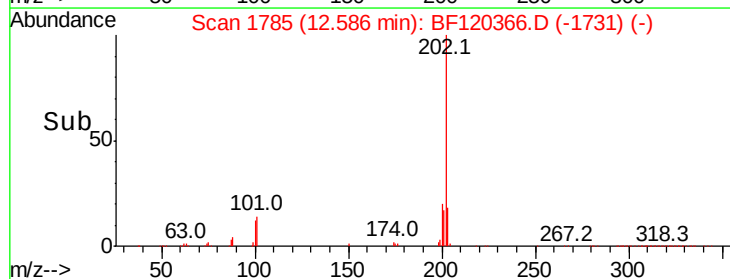
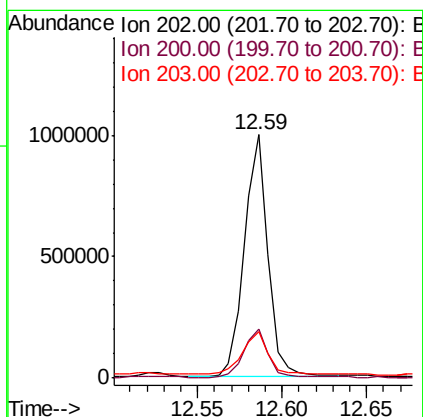
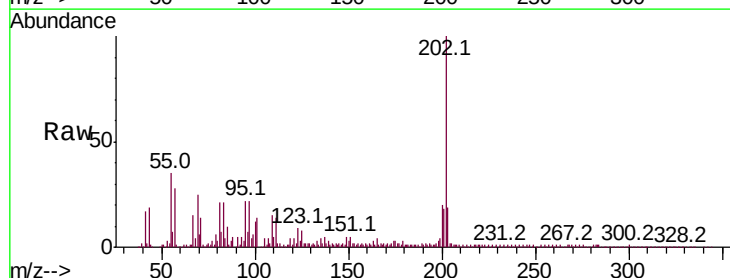
Tgt Ion:202 Resp: 972932

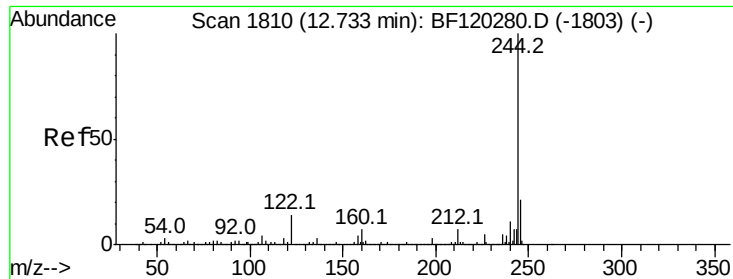
Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

203 19.3 14.6 22.0





#79

Terphenyl-d14

Concen: 35.948 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

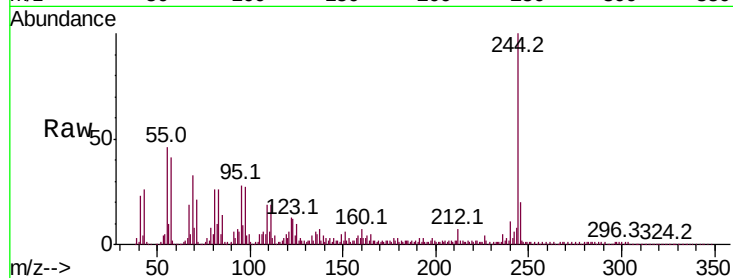
Tot Ion:244 Resp: 661864

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

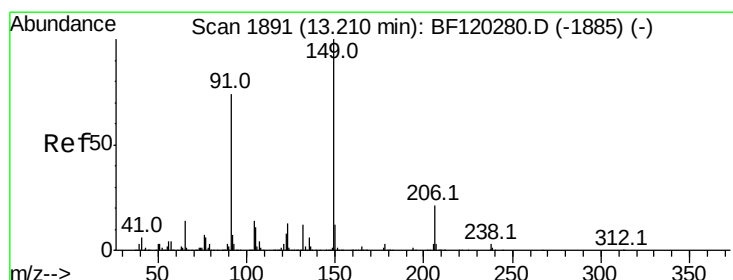
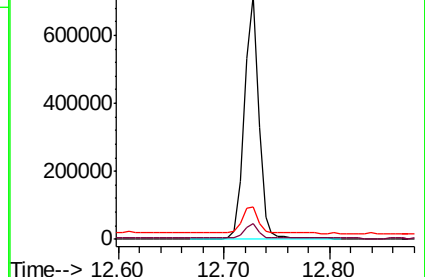
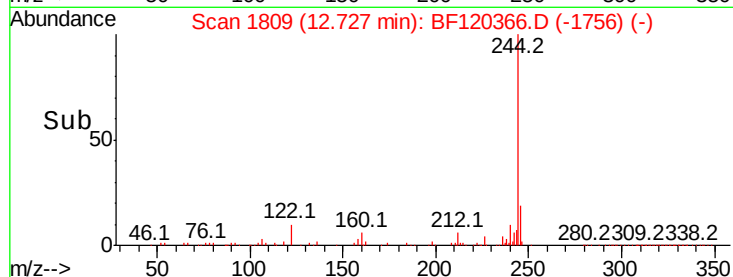
122 13.5 10.8 16.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 16.084 ng

RT: 13.20 min Scan# 1889

Delta R.T. 0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

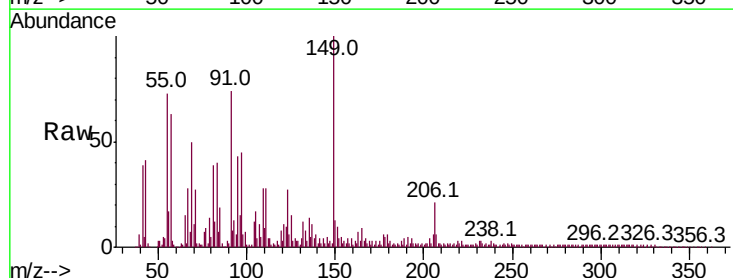
Tgt Ion:149 Resp: 219620

Ion Ratio Lower Upper

149 100

91 73.9 59.0 88.4

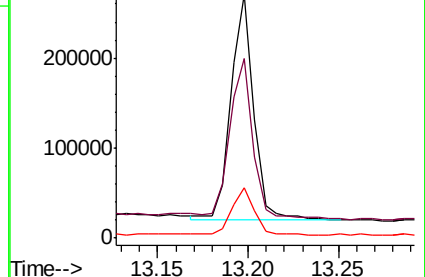
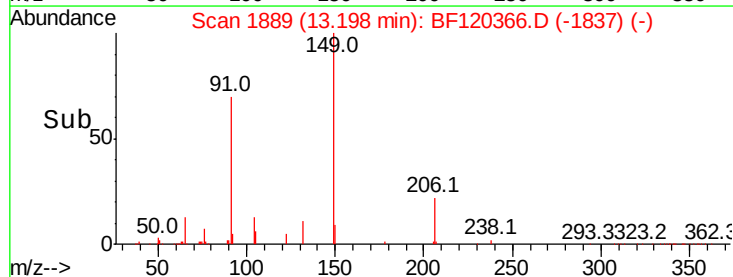
206 20.6 16.8 25.2

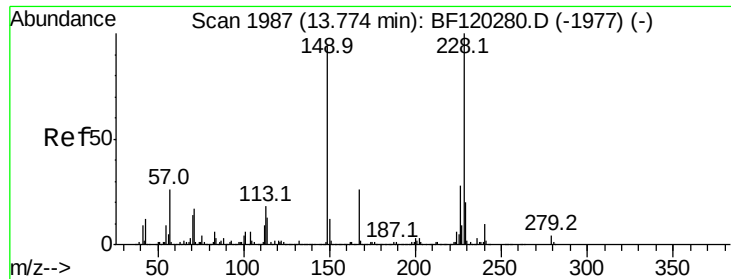


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

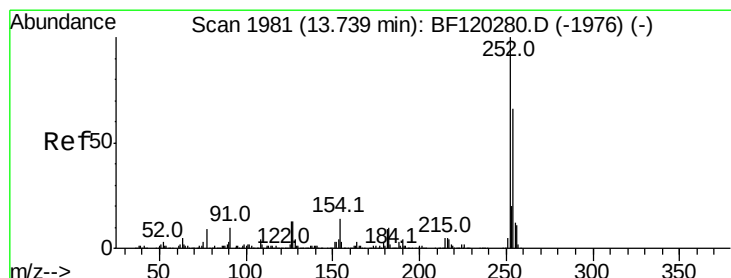
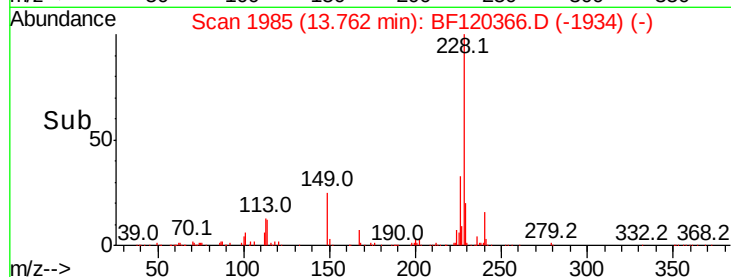
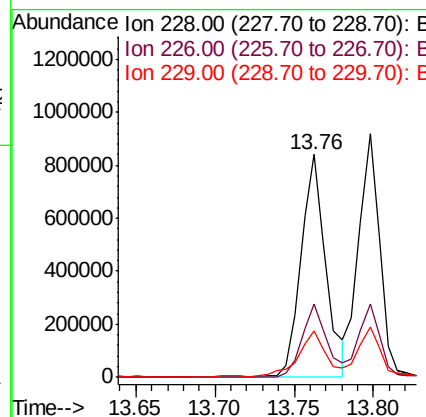
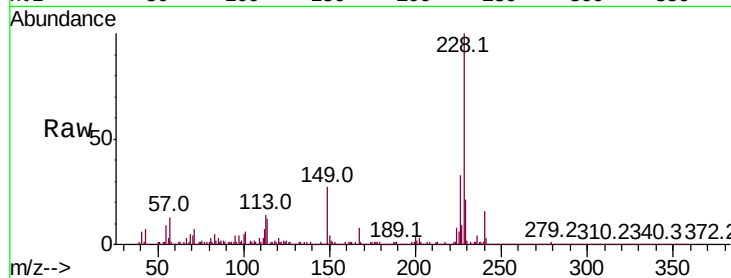




#81
 Benzo(a)anthracene
 Concen: 42.053 ng
 RT: 13.76 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: BF120366.D
 Acq: 19 May 2020 16:15

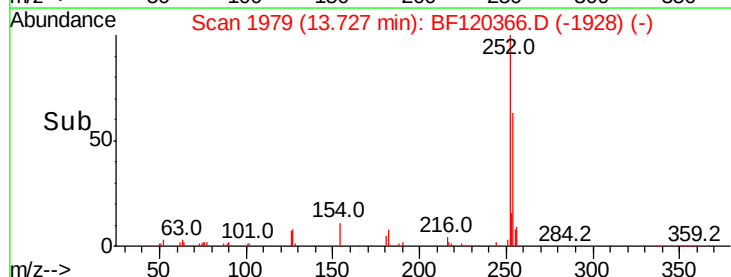
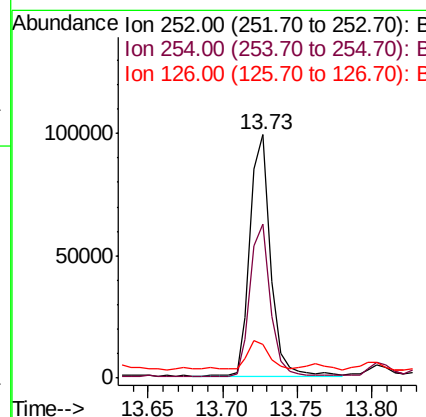
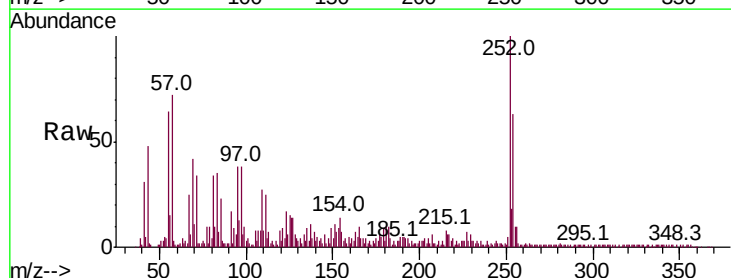
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

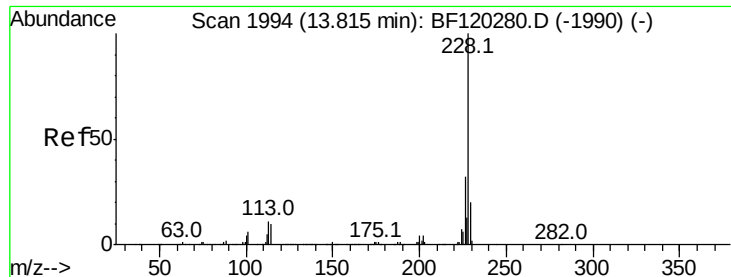
Tot Ion:228	Resp:	902180
Ion	Ratio	Lower Upper
228	100	
226	33.0	22.6 33.8
229	20.7	16.4 24.6



#82
 3,3'-Dichlorobenzidine
 Concen: 11.676 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





#83

Chrysene

Concen: 36.811 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

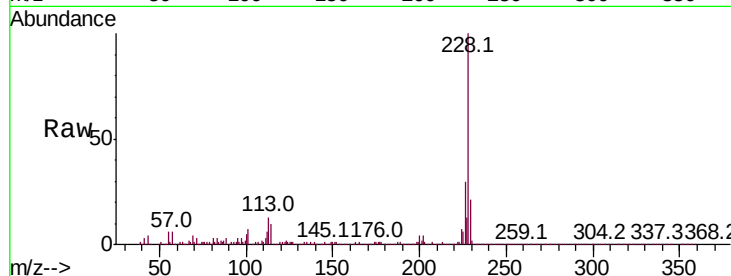
Tot Ion:228 Resp: 848019

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

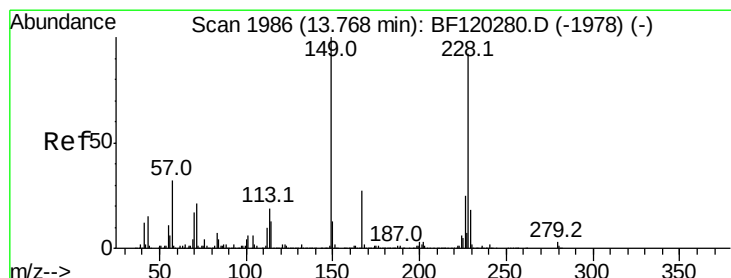
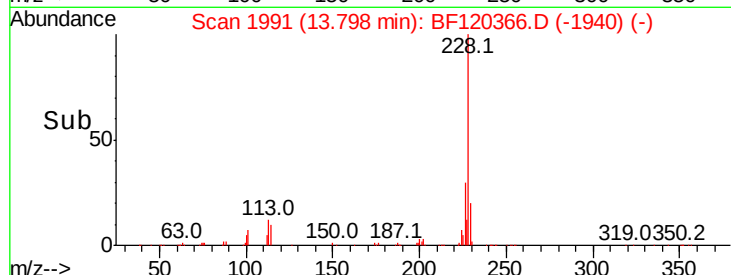
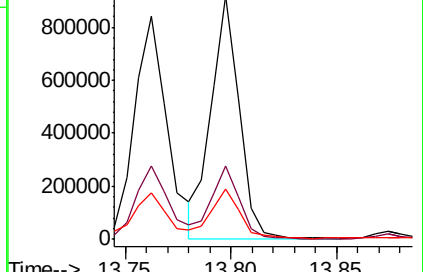
229 20.7 16.2 24.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 22.821 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

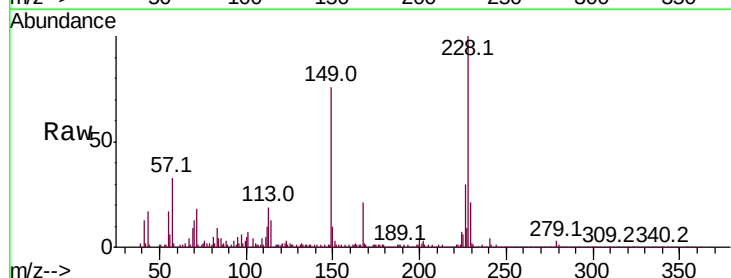
Tgt Ion:149 Resp: 387683

Ion Ratio Lower Upper

149 100

167 27.7 21.8 32.8

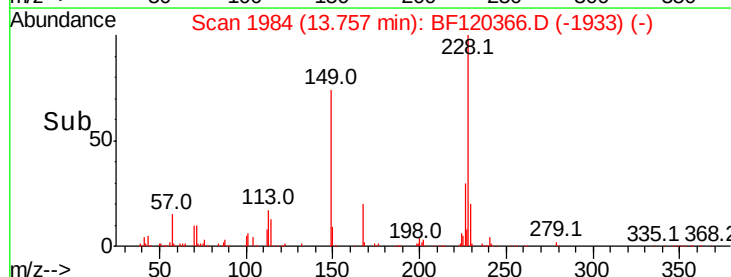
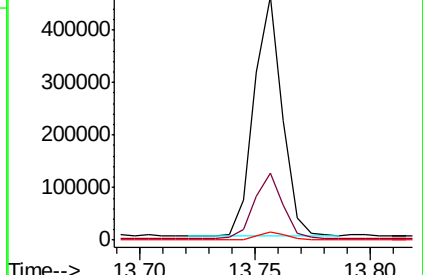
279 3.5 2.8 4.2

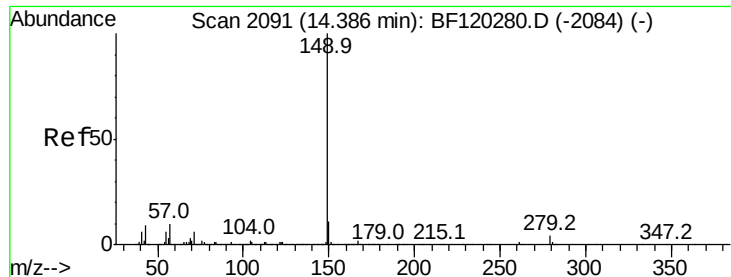


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

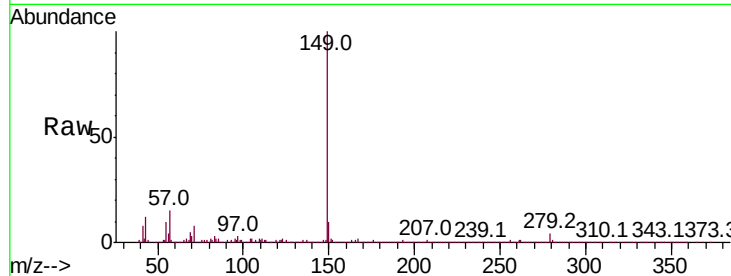




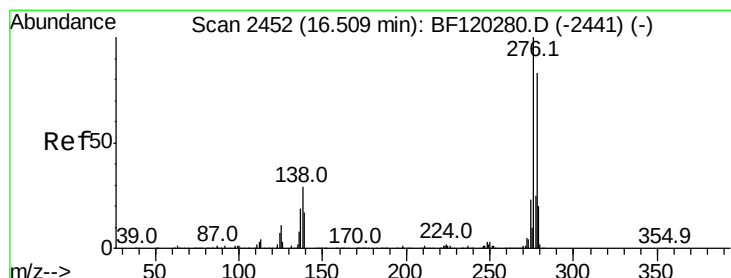
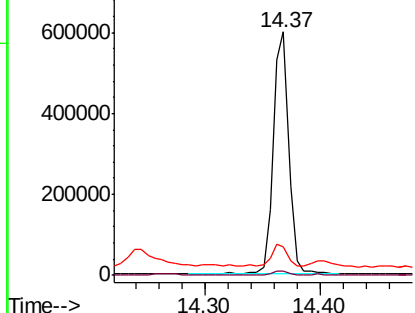
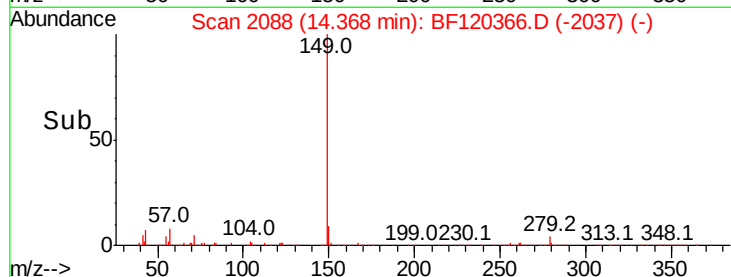
#85
Di-n-octyl phthalate
Concen: 18.154 ng
RT: 14.37 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

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

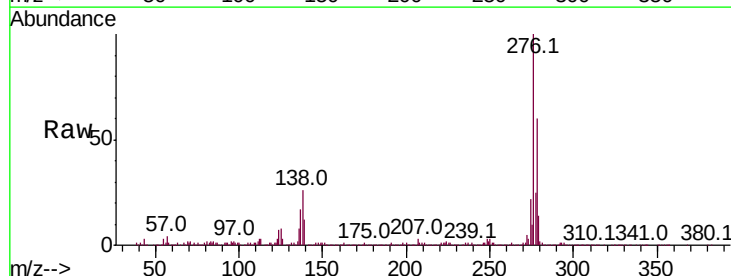


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

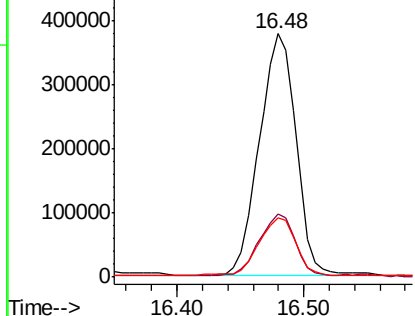
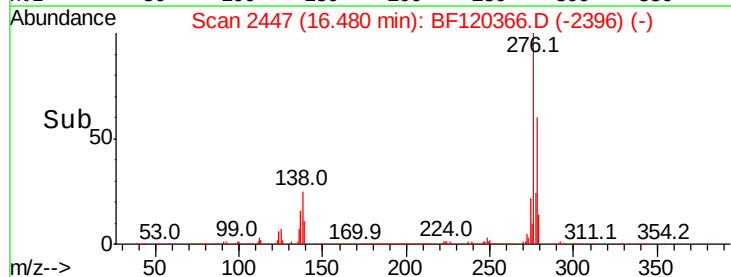


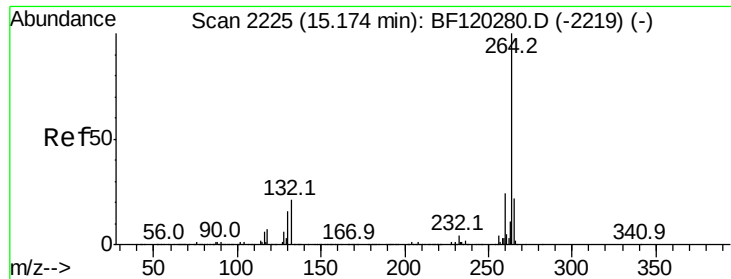
#86
Indeno(1,2,3-cd)pyrene
Concen: 36.175 ng
RT: 16.48 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

Tgt Ion:276 Resp: 756366
Ion Ratio Lower Upper
276 100
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

Pervlene-d12

Concen: 20.000 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

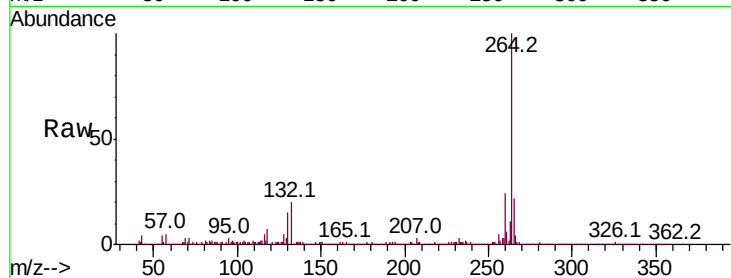
Tot Ion:264 Resp: 458338

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

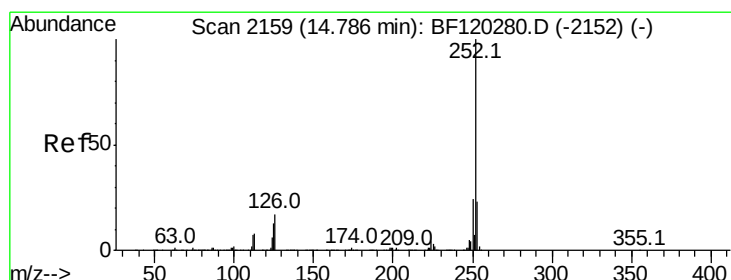
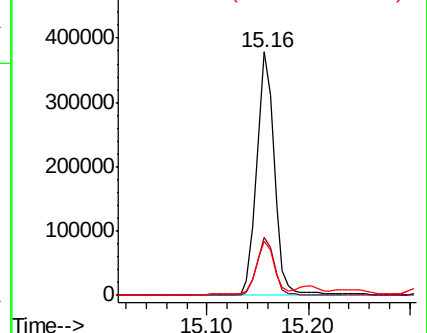
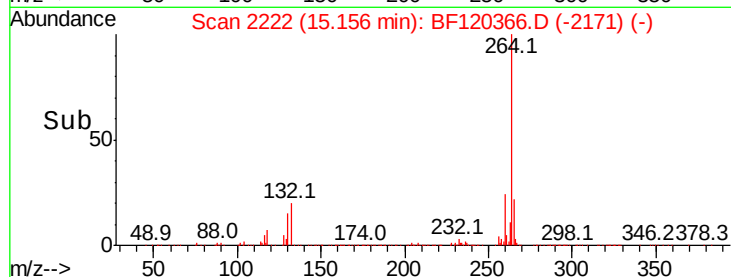
265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 42.981 ng

RT: 14.77 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

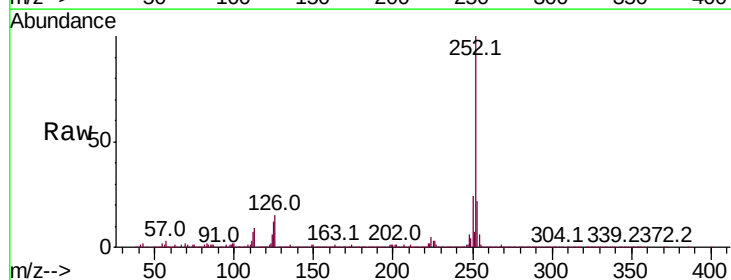
Tgt Ion:252 Resp: 1075854

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

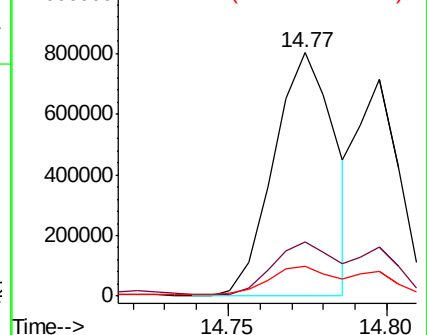
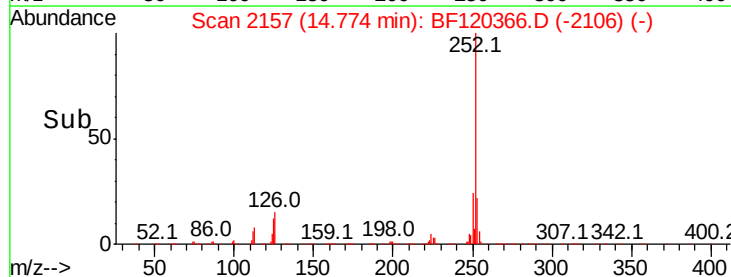
125 12.2 10.4 15.6

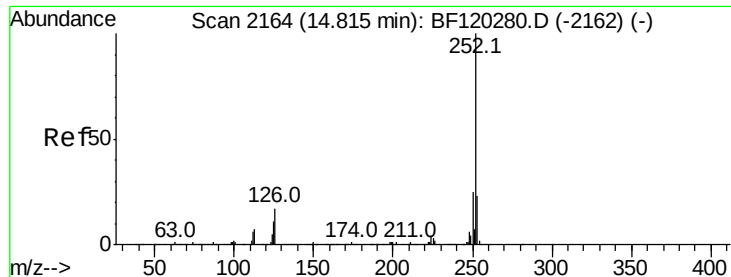


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

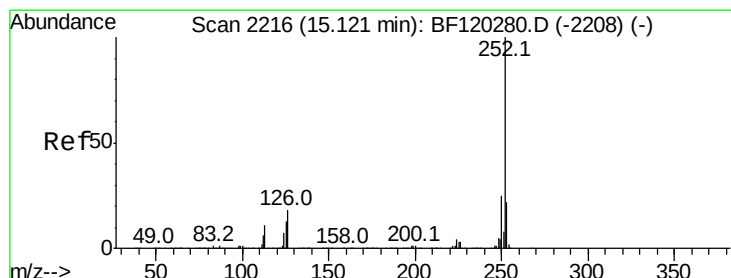
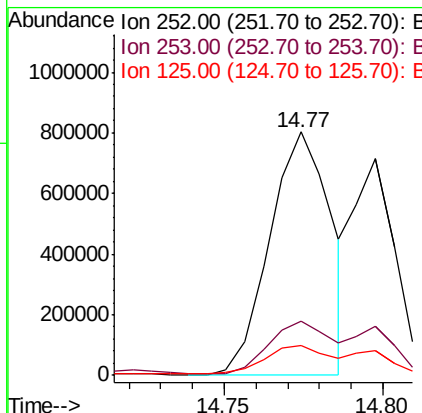
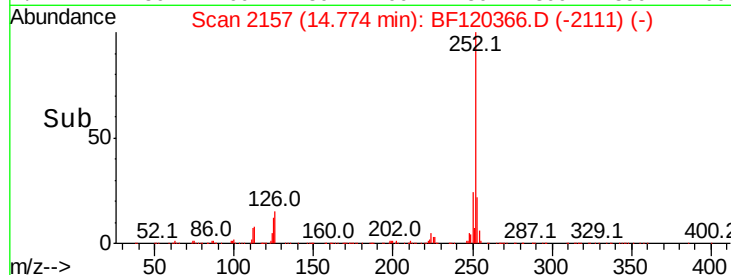
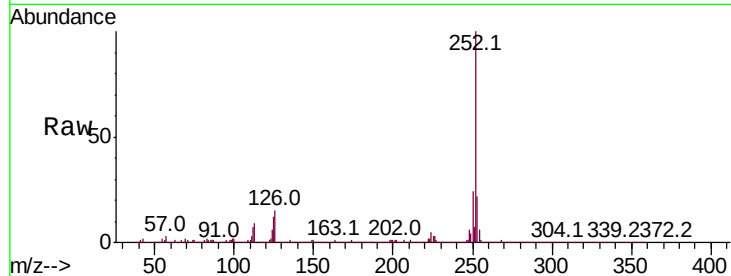




#89
Benzo(k)fluoranthene
Concen: 49.610 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.03 min
Lab File: BF120366.D
Acq: 19 May 2020 16:15

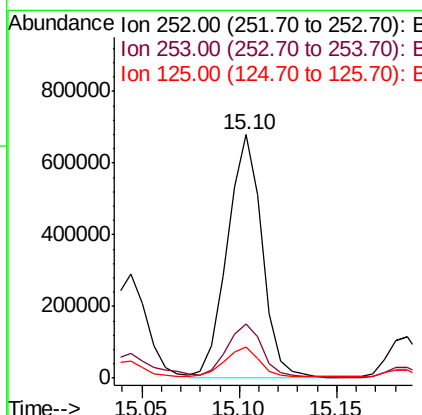
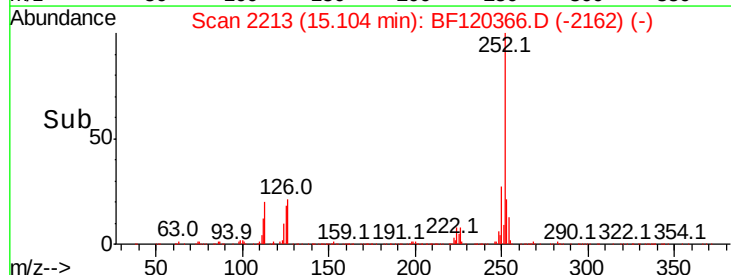
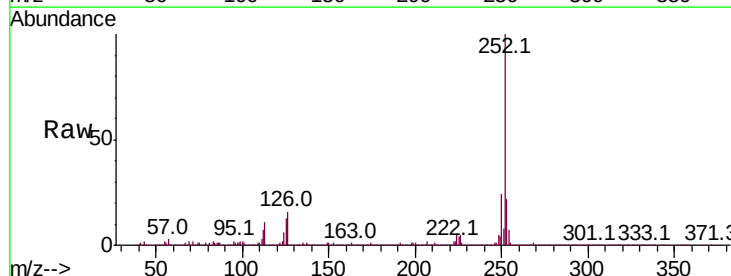
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

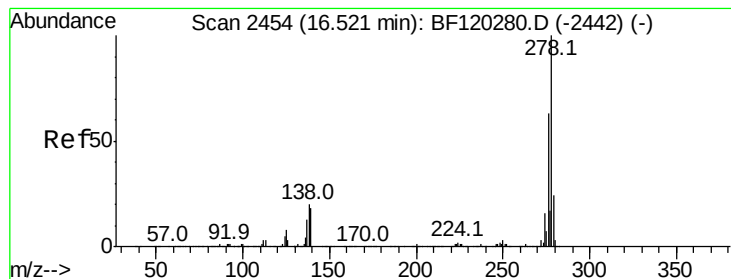
Tot Ion:252 Resp: 1075854
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 12.2 9.9 14.9



#90
Benzo(a)pyrene
Concen: 37.036 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:252 Resp: 831399
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 12.6 10.6 16.0





#91

Dibenzo(a,h)anthracene

Concen: 22.338 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

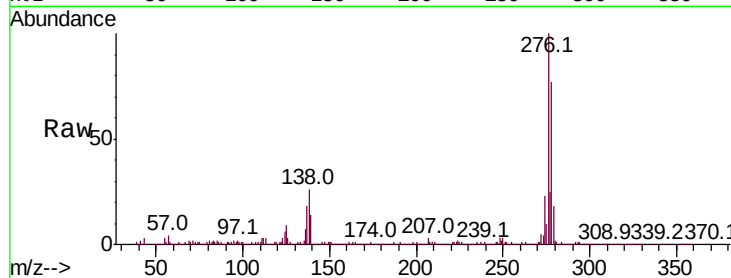
Tot Ion:278 Resp: 444245

Ion Ratio Lower Upper

278 100

139 18.4 14.7 22.1

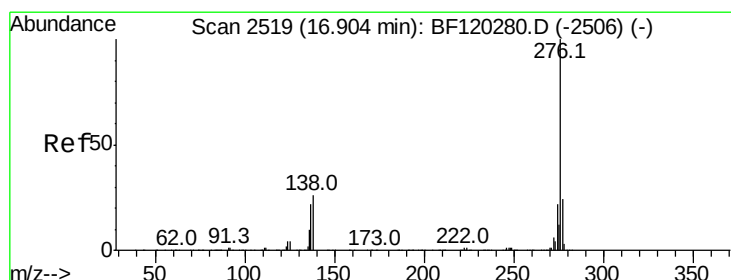
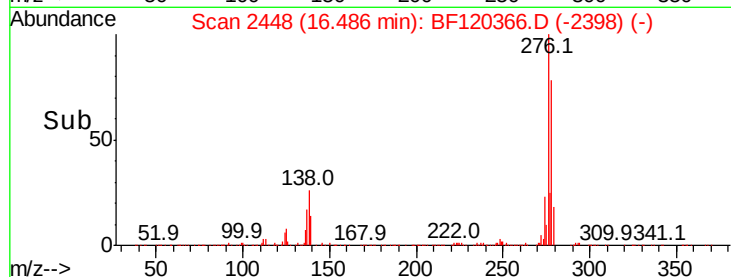
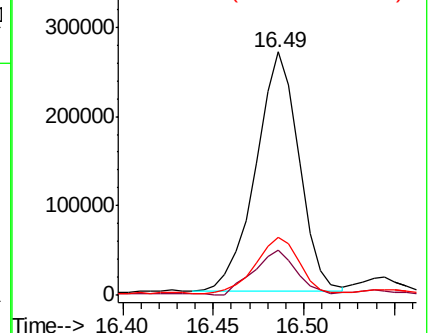
279 23.9 19.2 28.8



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: 32.384 ng

RT: 16.87 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BF120366.D

Acq: 19 May 2020 16:15

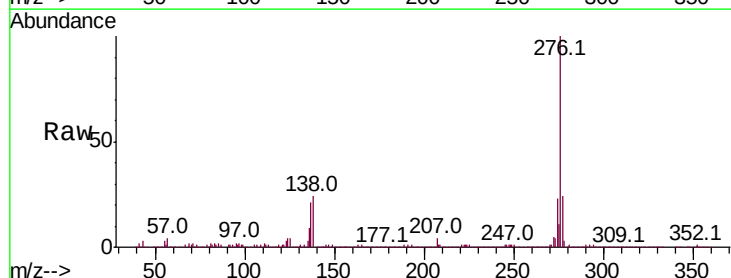
Tgt Ion:276 Resp: 649441

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

