

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF071320\
 Data File : BF120854.D
 Acq On : 13 Jul 2020 15:43
 Operator : JU/CG
 Sample : L3278-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-632

Quant Time: Jul 13 16:14:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	198337	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	740513	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	385202	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	725816	20.00	ng	0.00
76) Chrysene-d12	13.99	240	561175	20.00	ng	-0.01
86) Perylene-d12	15.45	264	419797	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	558164	43.44	ng	0.00
7) Phenol-d6	6.45	99	425436	25.93	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1164086	91.08	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	359496	92.90	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1944388	76.37	ng	0.00
79) Terphenyl-d14	12.94	244	1992216	69.51	ng	0.00

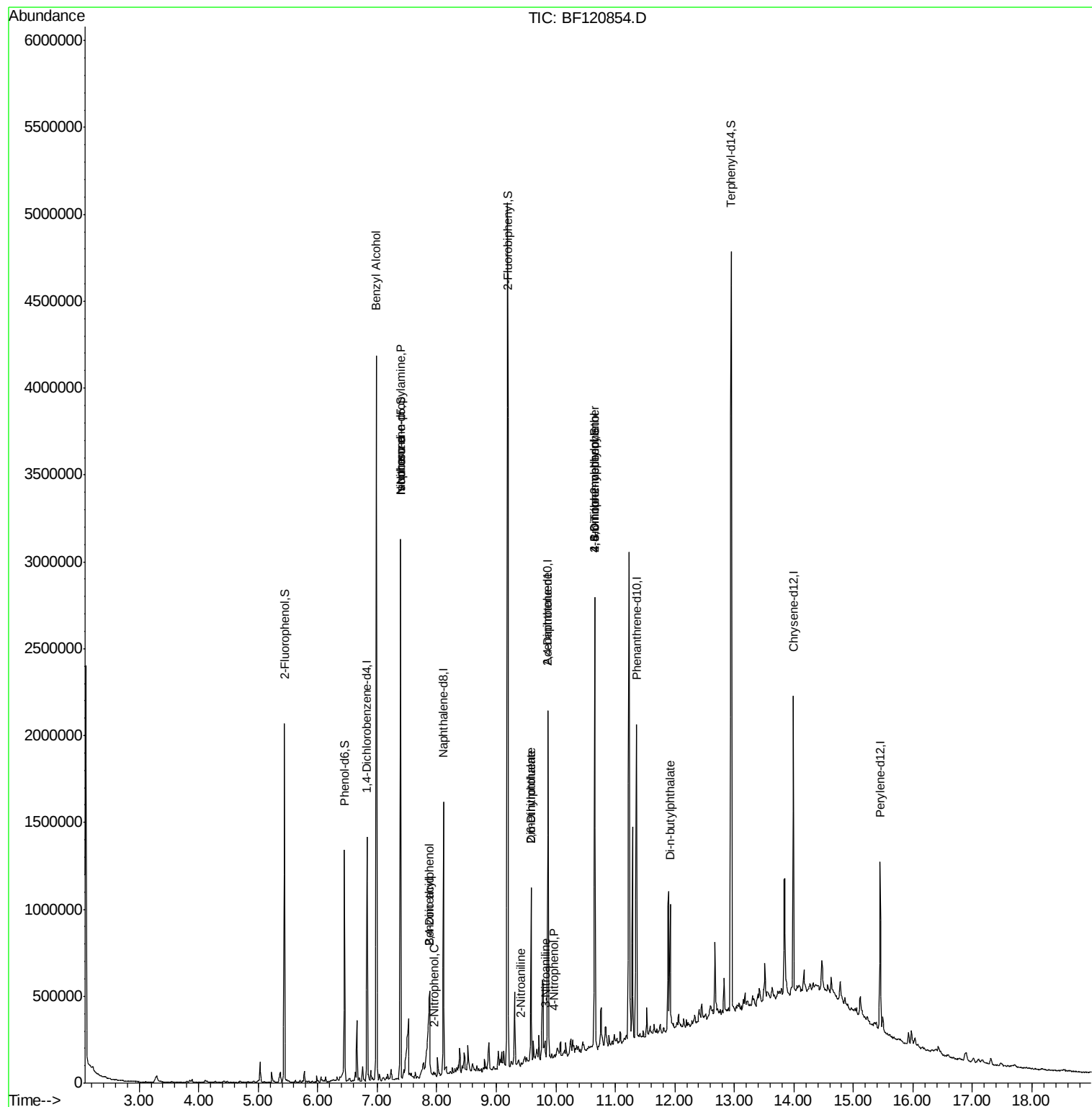
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.99	79	26454	2.146	ng	# 47
19) n-Nitroso-di-n-propylamine	7.39	70	154530	15.641	ng	# 76
25) Isophorone	7.39	82	1153874	41.862	ng	# 64
26) 2-Nitrophenol	7.95	139	240	4.005	ng	# 49
27) 2,4-Dimethylphenol	7.87	122	220467	20.037	ng	# 5
32) Benzoic acid	7.87	122	220467	30.067	ng	96
48) 2-Nitroaniline	9.42	65	237	2.650	ng	# 45
50) Dimethylphthalate	9.59	163	395218	14.065	ng	99
51) 2,6-Dinitrotoluene	9.59	165	4458	3.038	ng	# 27
53) 3-Nitroaniline	9.83	138	947	2.296	ng	# 19
56) 4-Nitrophenol	9.98	139	2318	2.529	ng	# 79
57) 2,4-Dinitrotoluene	9.87	165	50866	9.918	ng	# 16
65) 4,6-Dinitro-2-methylphenol	10.66	198	1374	7.392	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	21859	2.596	ng	# 1
74) Di-n-butylphthalate	11.92	149	320303	6.765	ng	99

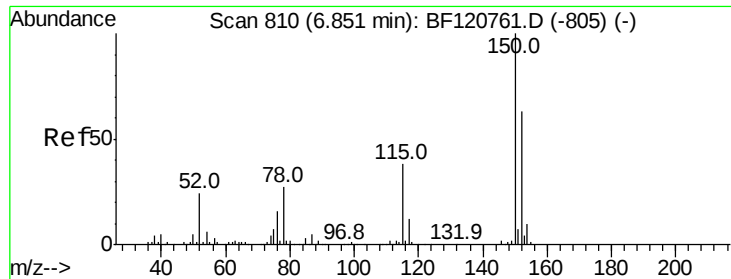
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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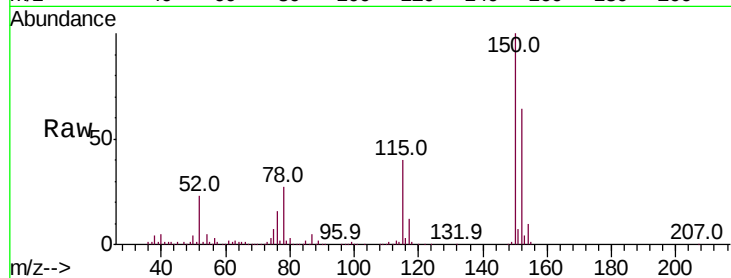


#1

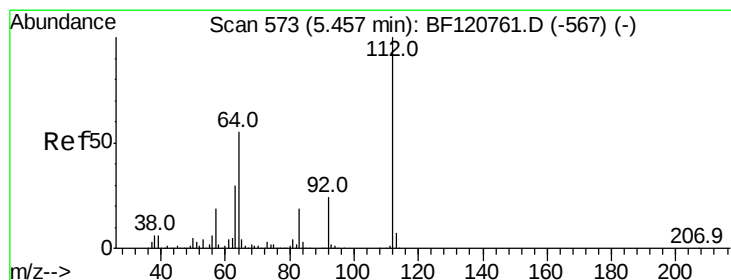
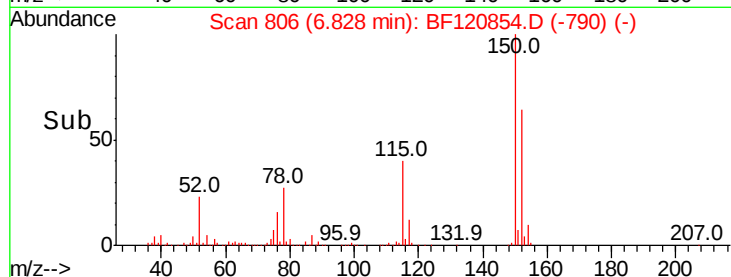
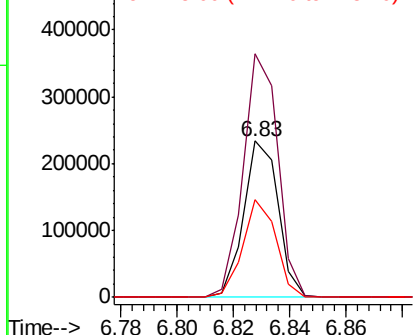
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Instrument :
BNA_F
ClientSampleId :
NCQ-632

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.1	189.1
115	62.6	48.5	72.7



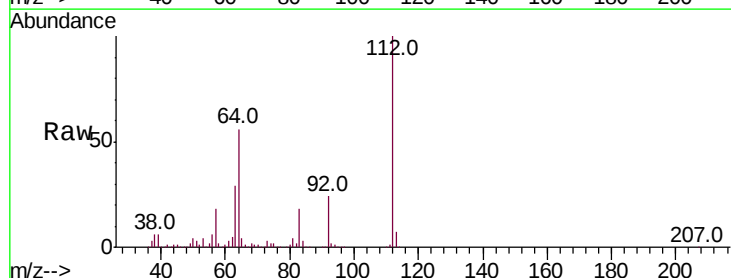
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



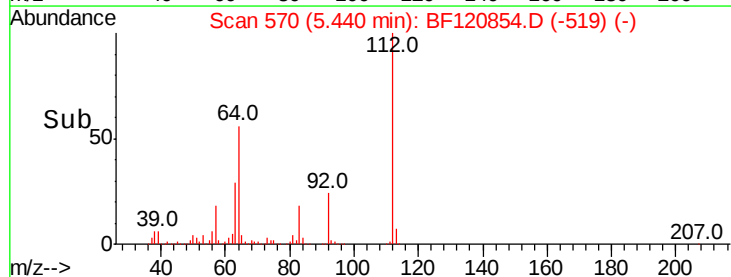
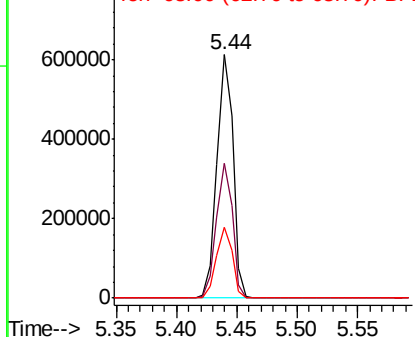
#5

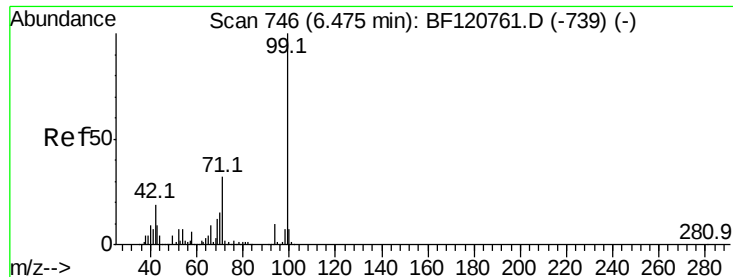
2-Fluorophenol
Concen: 43.442 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	43.8	65.6
63	29.2	23.6	35.4



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





#7

Phenol-d6

Concen: 25.928 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Instrument :

BNA_F

ClientSampleId :

NCQ-632

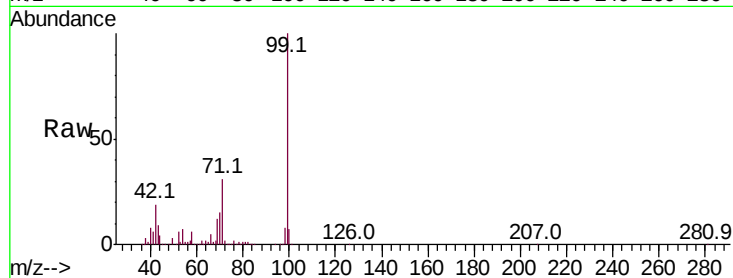
Tot Ion: 99 Resp: 425436

Ion Ratio Lower Upper

99 100

42 18.7 15.4 23.0

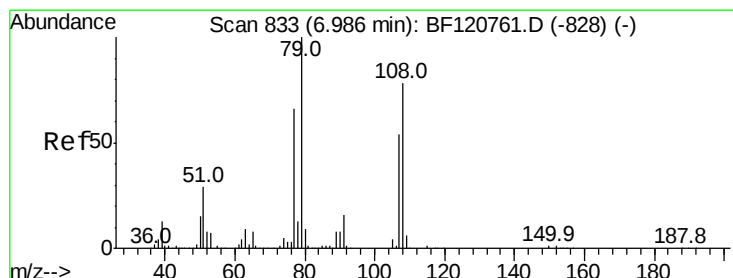
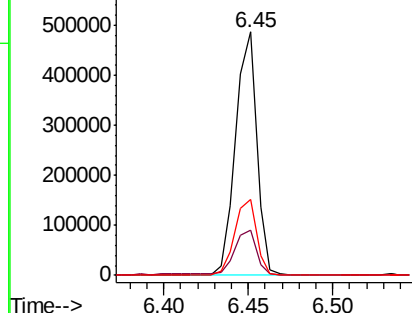
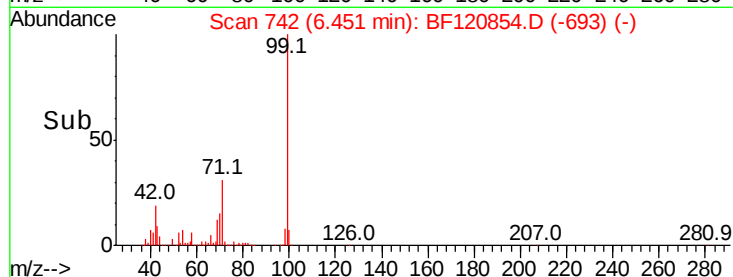
71 31.1 25.9 38.9



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



#15

Benzyl Alcohol

Concen: 2.146 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

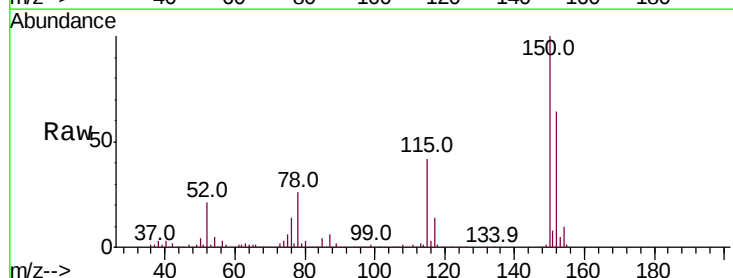
Tgt Ion: 79 Resp: 26454

Ion Ratio Lower Upper

79 100

108 38.6 62.4 93.6#

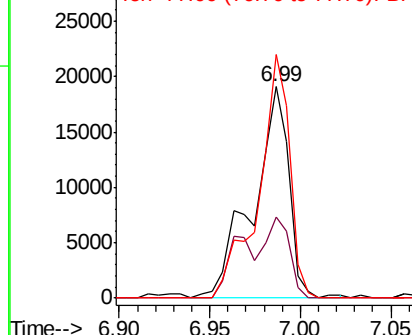
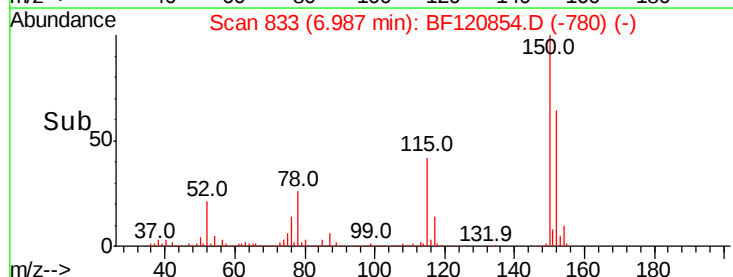
77 115.2 52.7 79.1#

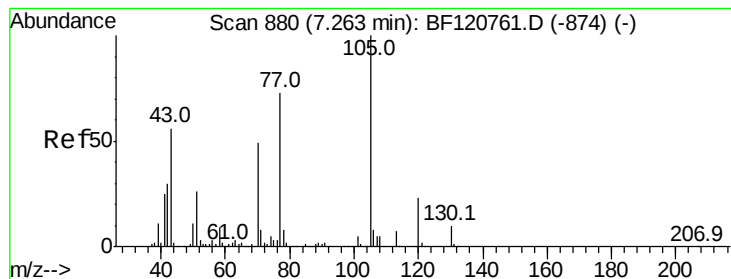


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.641 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Instrument :

BNA_F

ClientSampled :

NCQ-632

Tot Ion: 70 Resp: 154530

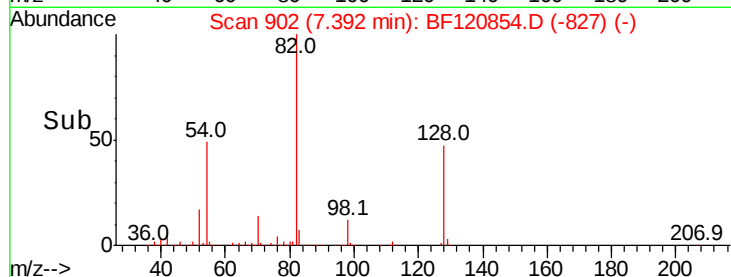
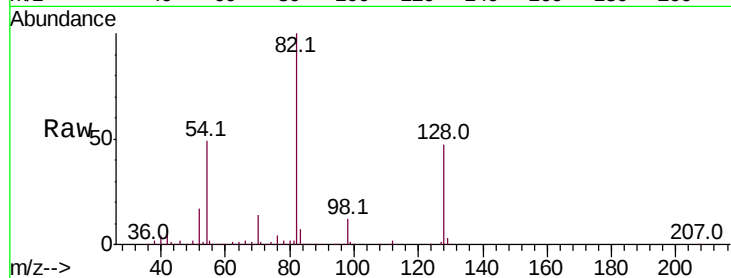
Ion Ratio Lower Upper

70 100

42 48.1 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#

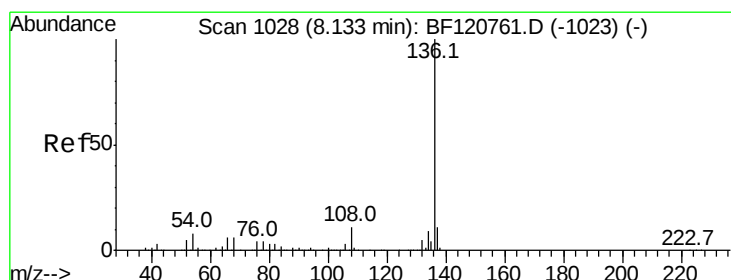
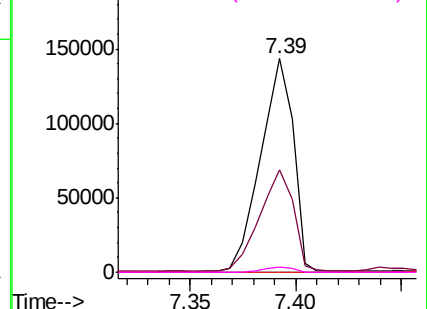


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Tgt Ion: 136 Resp: 740513

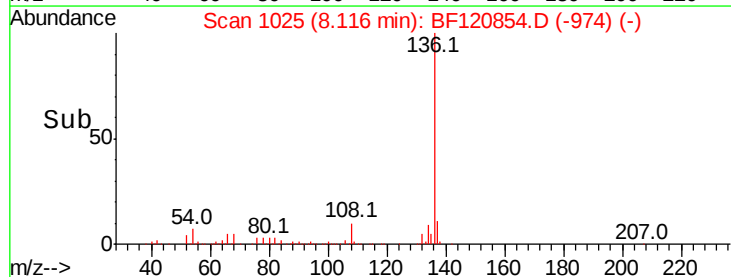
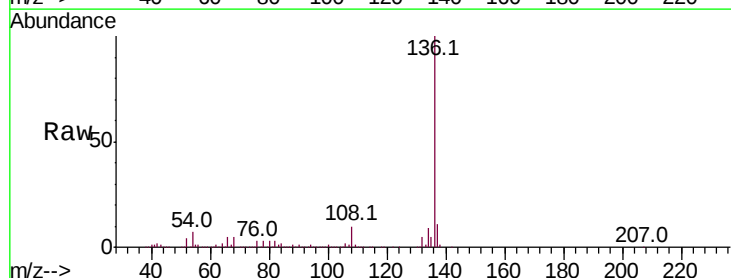
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.1 6.2 9.4

68 5.5 4.7 7.1

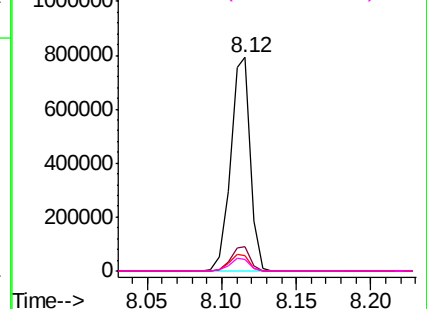


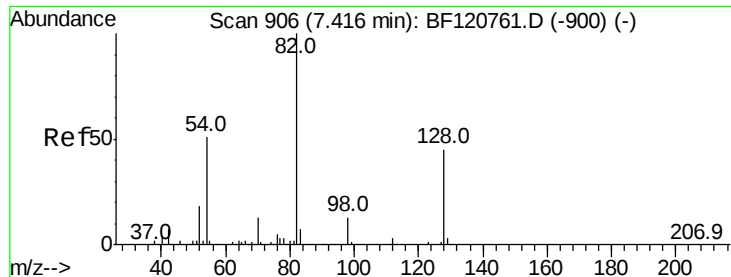
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

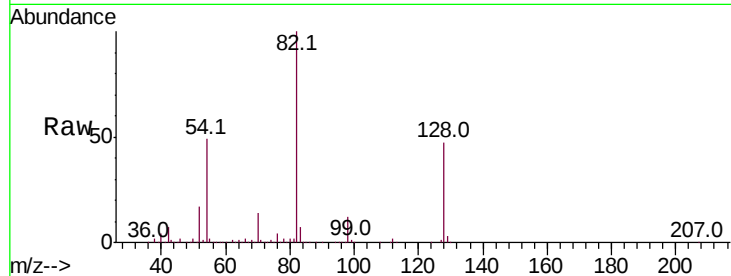




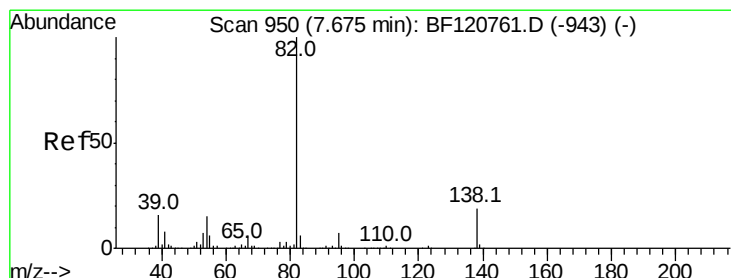
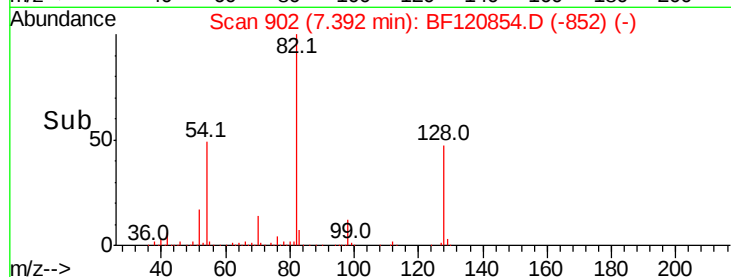
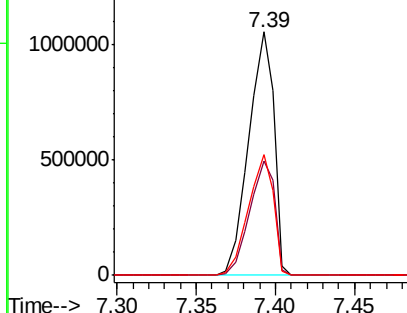
#23
Nitrobenzene-d5
Concen: 91.078 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Instrument :
BNA_F
ClientSampled :
NCQ-632

Tot Ion: 82 Resp: 1164086
Ion Ratio Lower Upper
82 100
128 47.1 35.7 53.5
54 49.4 40.9 61.3

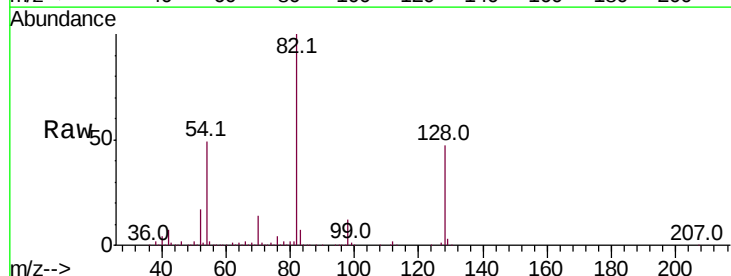


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

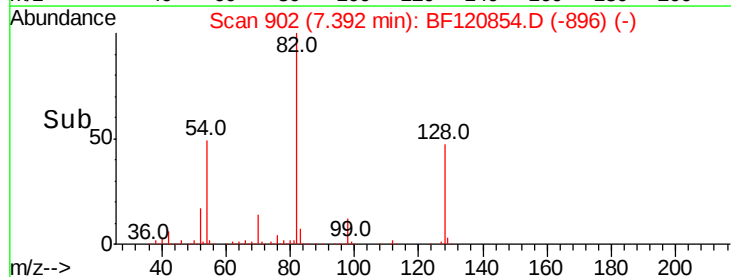
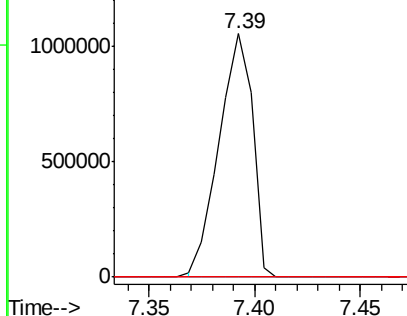


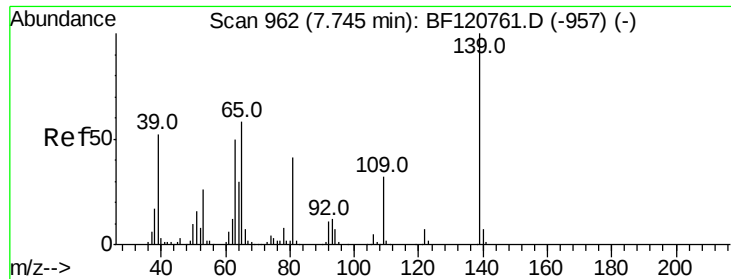
#25
Isophorone
Concen: 41.862 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Tgt Ion: 82 Resp: 1153874
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

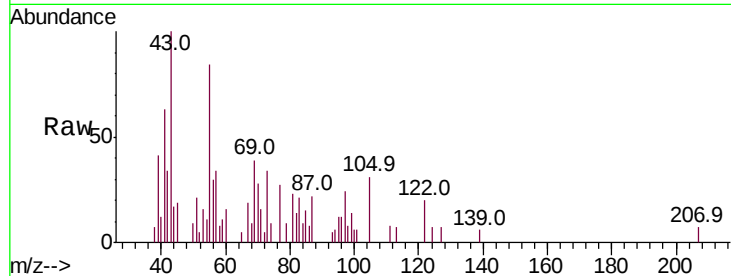




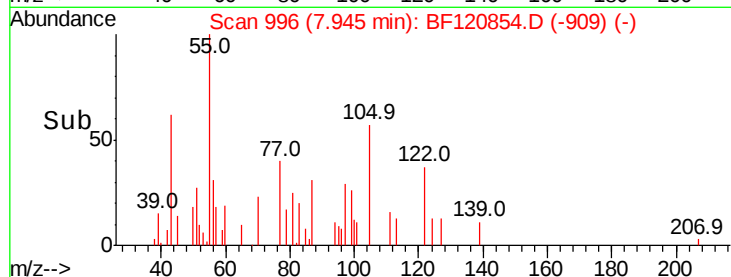
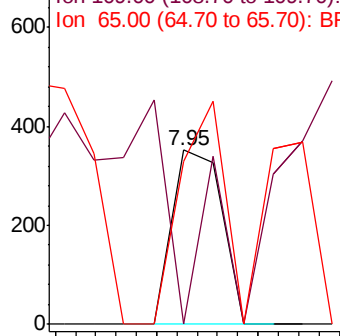
#26
2-Nitrophenol
Concen: 4.005 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.21 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Instrument :
BNA_F
ClientSampleId :
NCQ-632

Tot Ion:139 Resp: 240
Ion Ratio Lower Upper
139 100
109 0.0 25.3 37.9#
65 93.5 46.2 69.2#

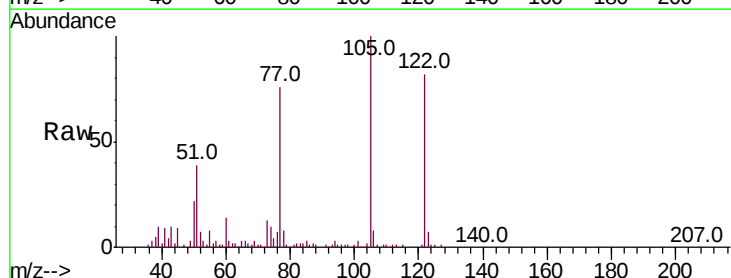
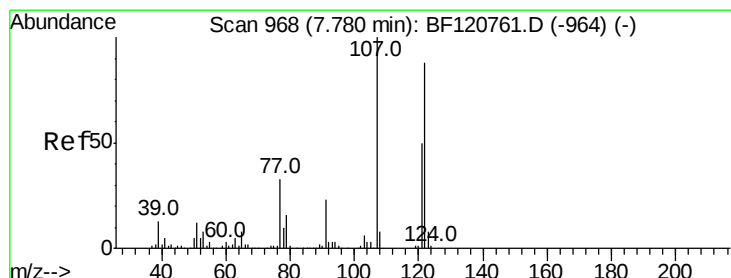


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

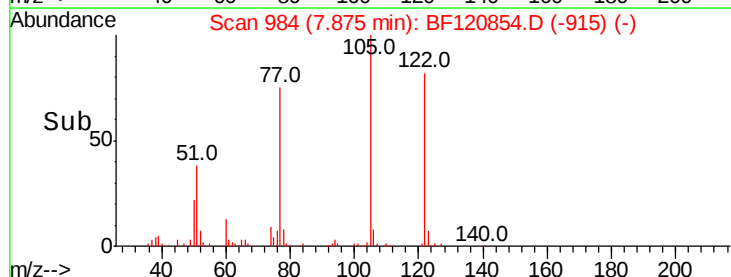
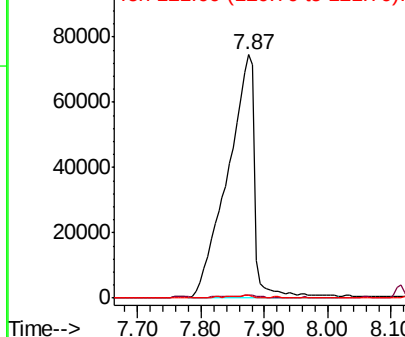


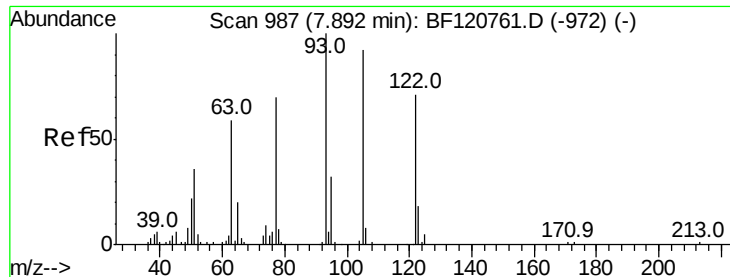
#27
2,4-Dimethylphenol
Concen: 20.037 ng
RT: 7.87 min Scan# 984
Delta R.T. 0.11 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Tgt Ion:122 Resp: 220467
Ion Ratio Lower Upper
122 100
107 1.5 90.7 136.1#
121 1.1 45.4 68.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

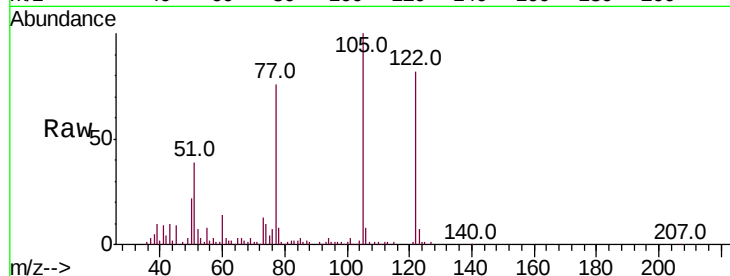




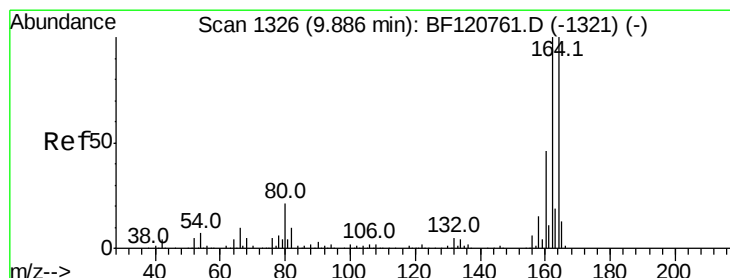
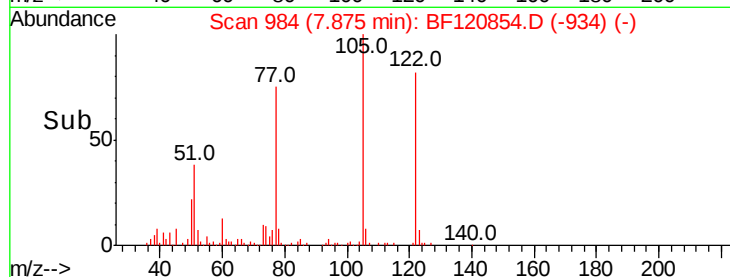
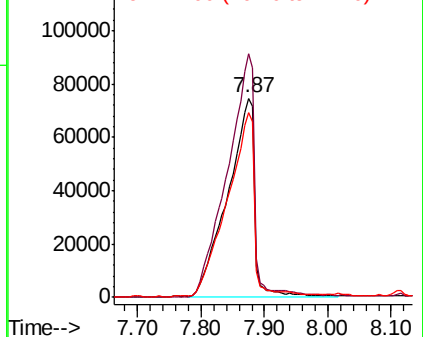
#32
Benzoic acid
Concen: 30.067 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Instrument :
BNA_F
ClientSampleId :
NCQ-632

Tot Ion:122 Resp: 220467
Ion Ratio Lower Upper
122 100
105 122.4 105.8 145.8
77 92.6 77.3 117.3

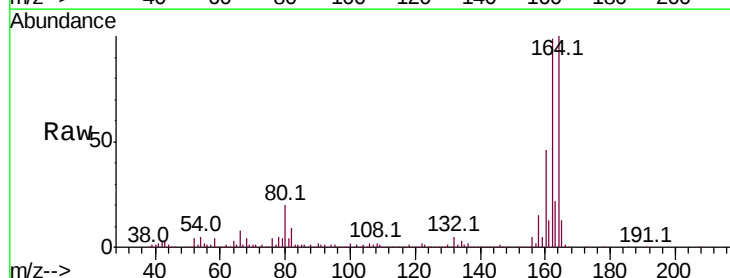


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

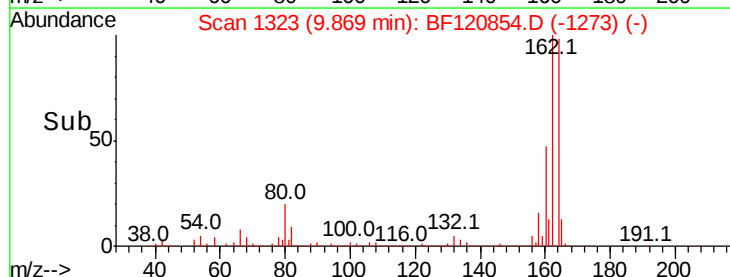
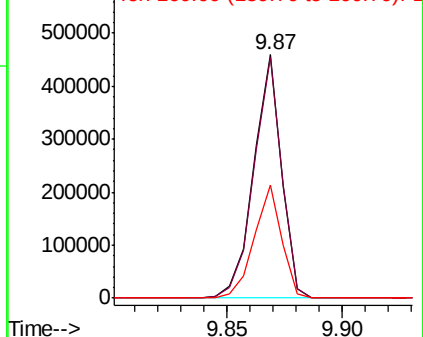


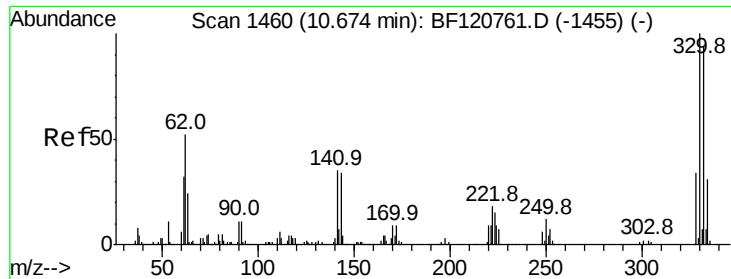
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Tgt Ion:164 Resp: 385202
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.2
160 46.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

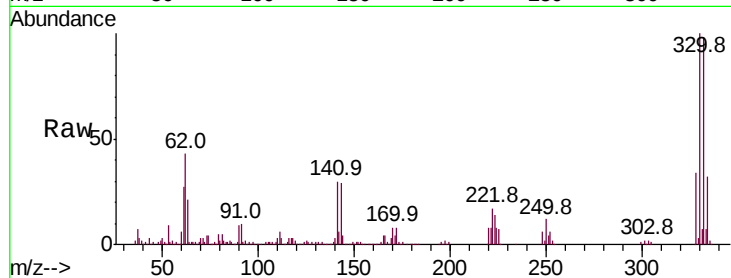




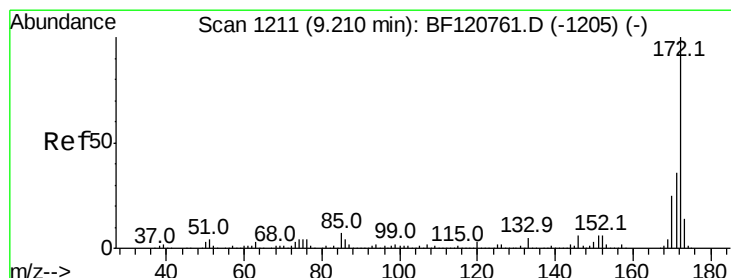
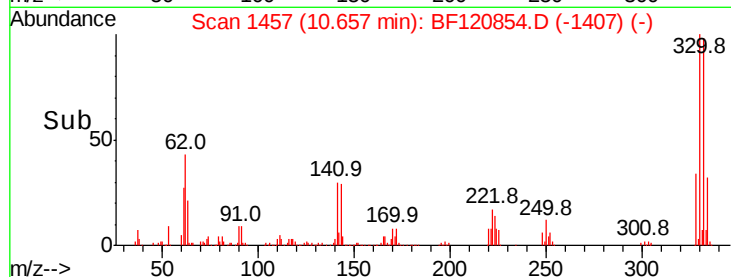
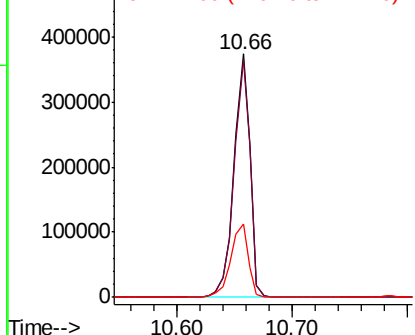
#42
 2,4,6-Tribromophenol
 Concen: 92.895 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF120854.D
 Acq: 13 Jul 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-632

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.8	113.6
141	32.6	29.7	44.5

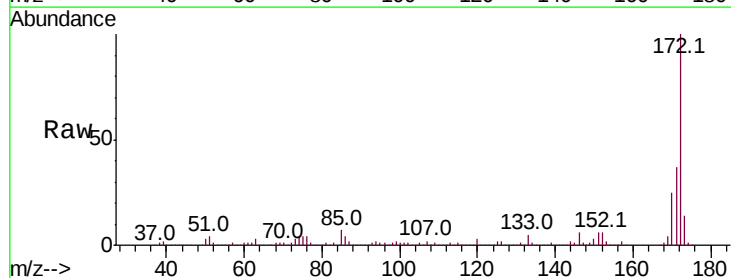


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

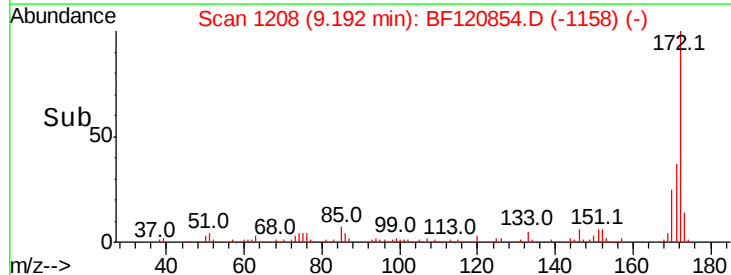
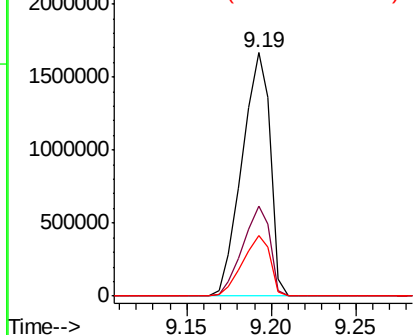


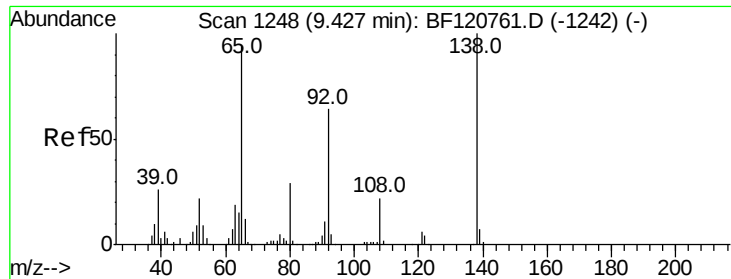
#45
 2-Fluorobiphenyl
 Concen: 76.369 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120854.D
 Acq: 13 Jul 2020 15:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.1	43.7
170	25.1	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

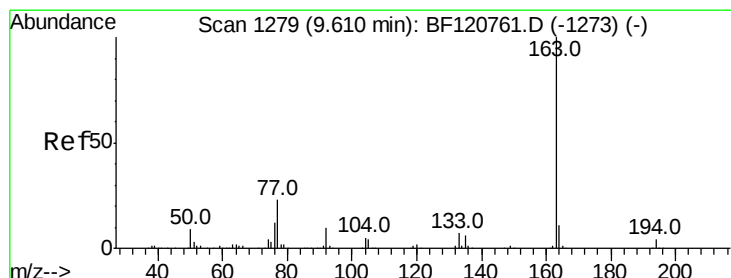
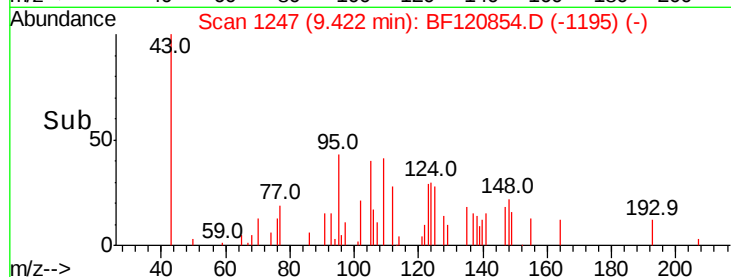
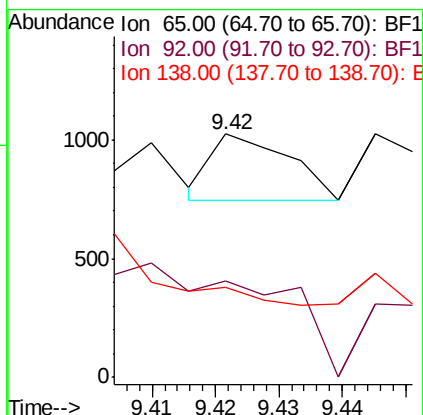
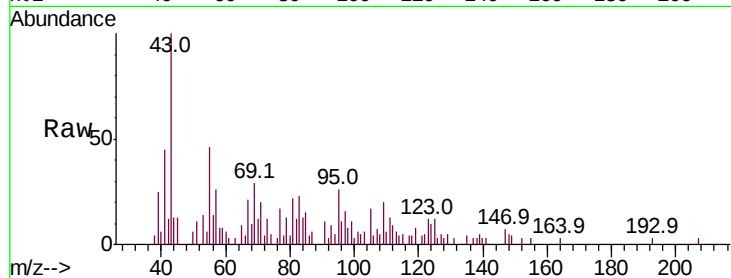




#48
2-Nitroaniline
Concen: 2.650 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.01 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

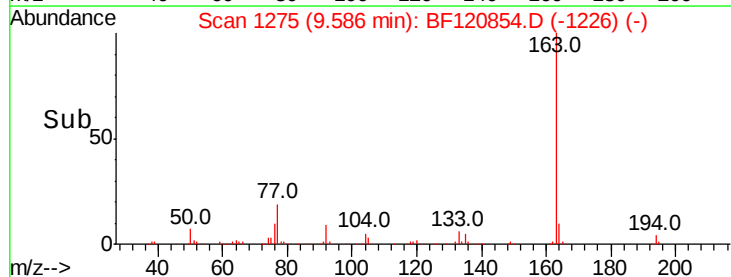
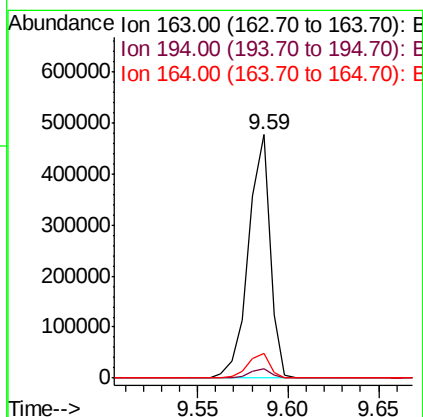
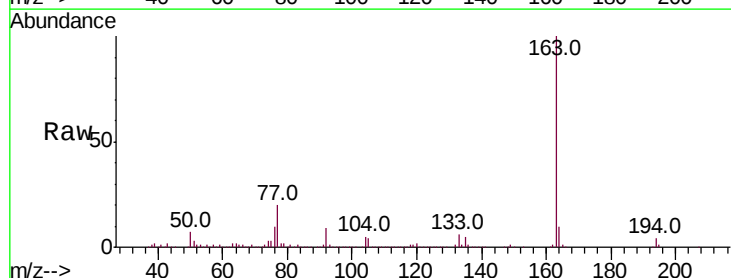
Instrument :
BNA_F
ClientSampled :
NCQ-632

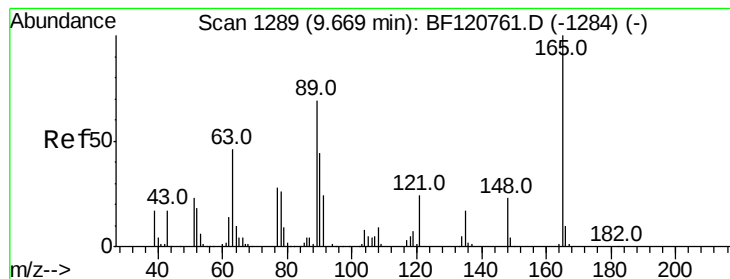
Tot Ion: 65 Resp: 237
Ion Ratio Lower Upper
65 100
92 39.4 54.4 81.6#
138 36.8 84.7 127.1#



#50
Dimethylphthalate
Concen: 14.065 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Tgt Ion: 163 Resp: 395218
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.9 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 3.038 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.07 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Instrument :

BNA_F

ClientSampleId :

NCQ-632

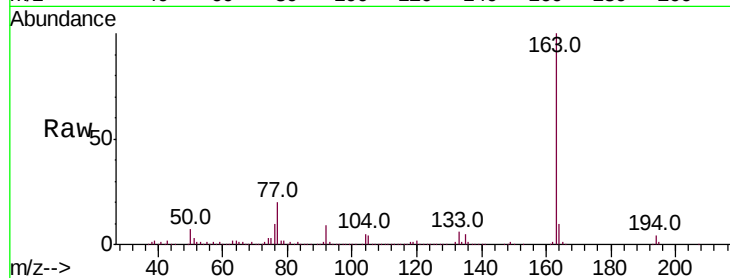
Tot Ion:165 Resp: 4458

Ion Ratio Lower Upper

165 100

63 151.6 54.0 81.0#

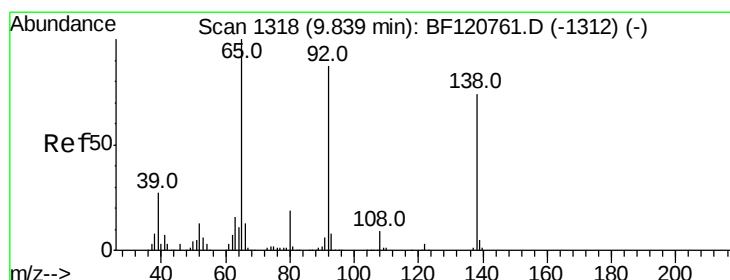
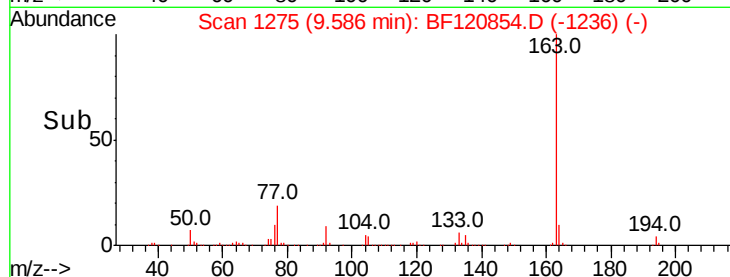
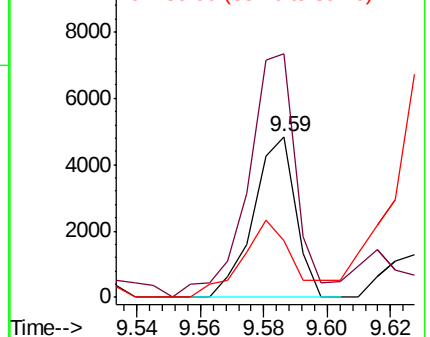
89 35.4 55.4 83.2#



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



#53

3-Nitroaniline

Concen: 2.296 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

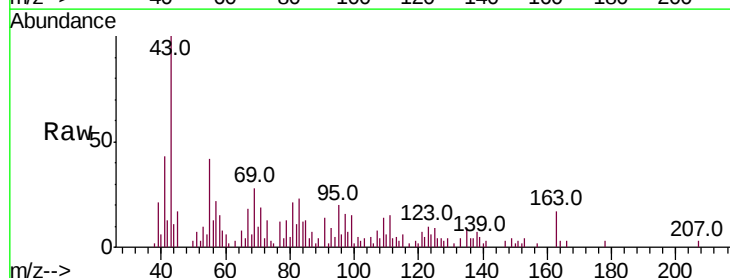
Tgt Ion:138 Resp: 947

Ion Ratio Lower Upper

138 100

108 65.3 9.8 14.6#

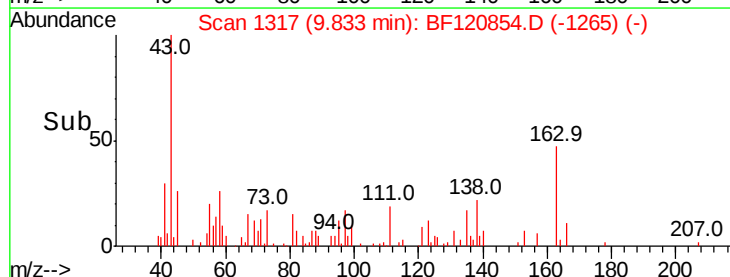
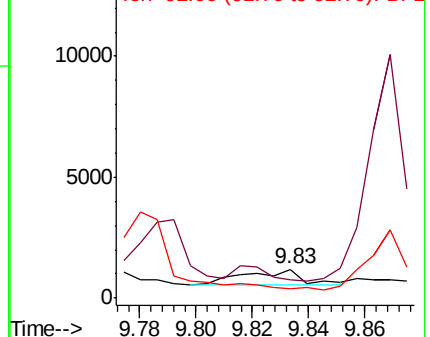
92 34.0 93.4 140.2#

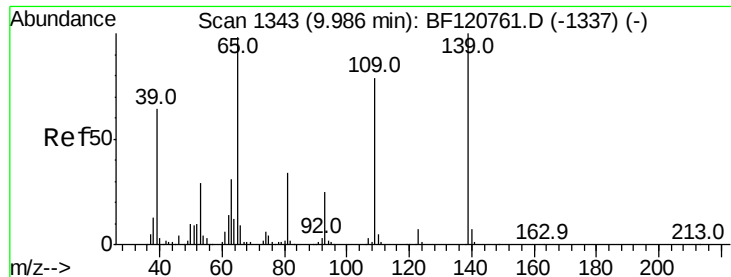


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#56

4-Nitrophenol

Concen: 2.529 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Instrument :

BNA_F

ClientSampled :

NCQ-632

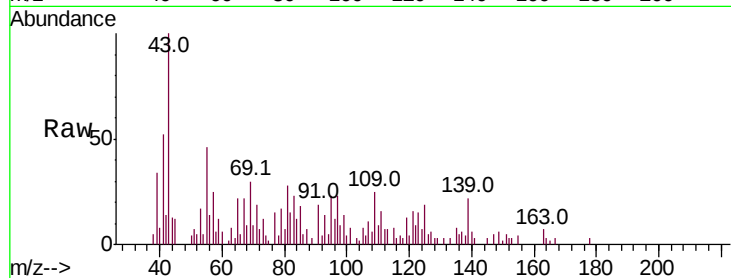
Tot Ion:139 Resp: 2318

Ion Ratio Lower Upper

139 100

109 116.2 58.6 98.6#

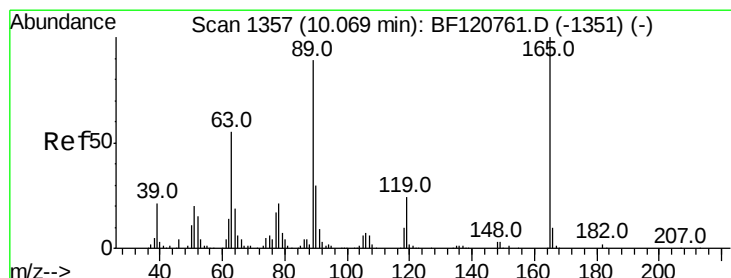
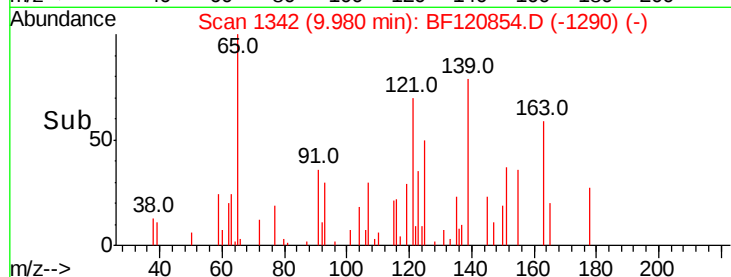
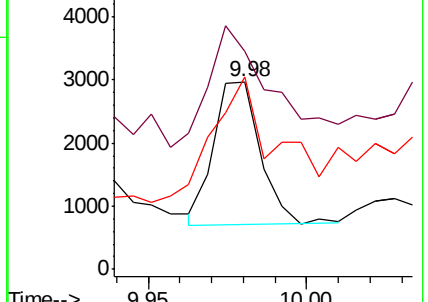
65 102.8 78.7 118.7



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 9.918 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.19 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Tgt Ion:165 Resp: 50866

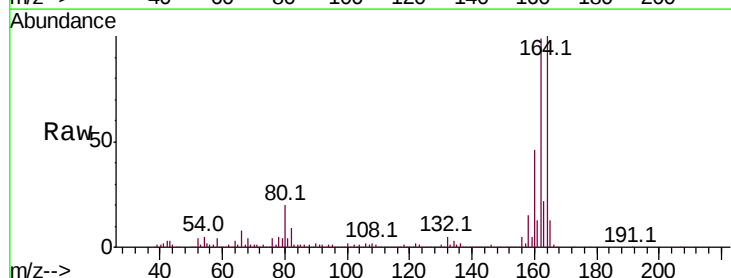
Ion Ratio Lower Upper

165 100

63 1.8 43.8 65.8#

89 2.0 71.4 107.2#

182 0.0 1.8 2.6#

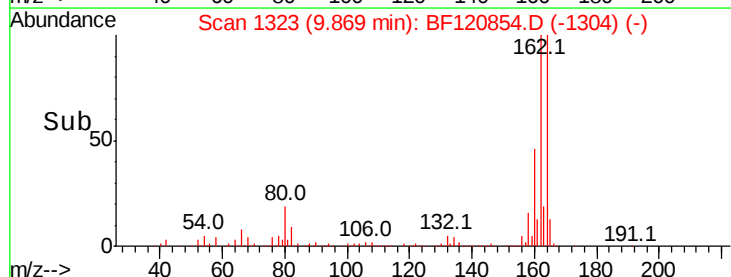
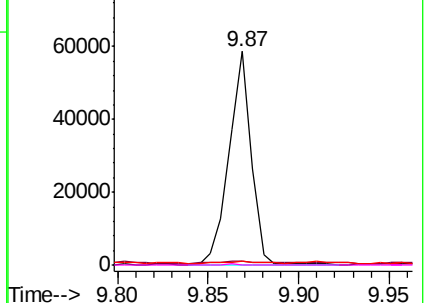


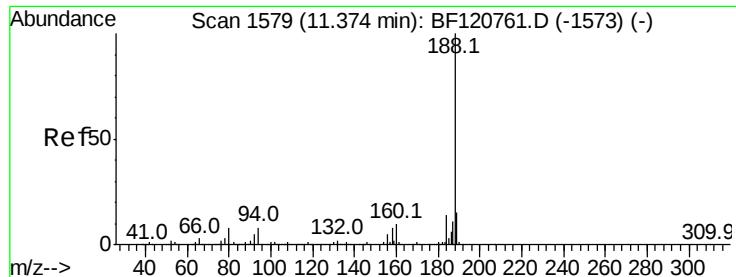
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

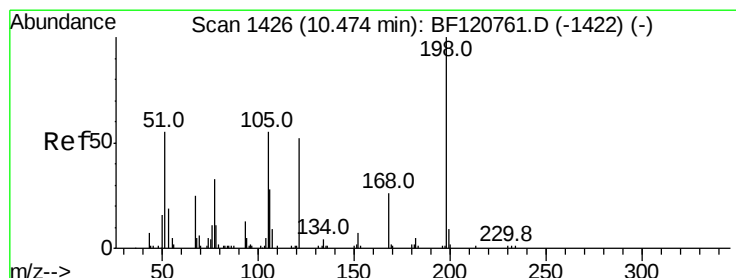
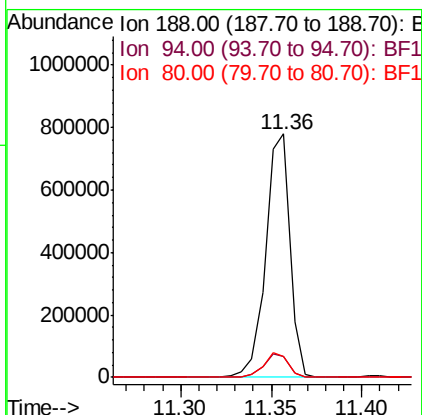
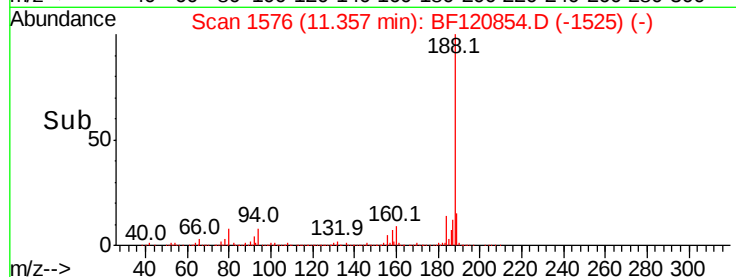
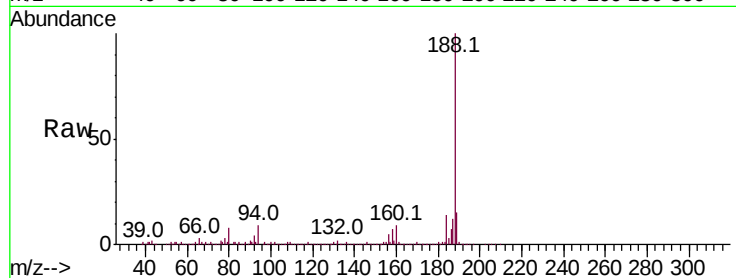




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

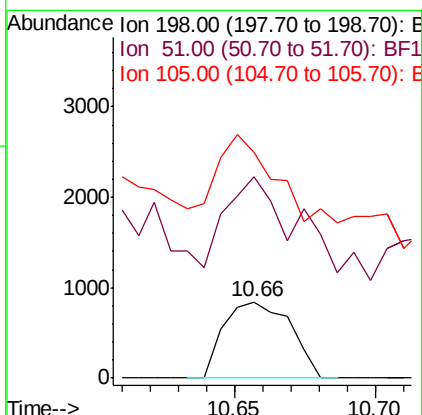
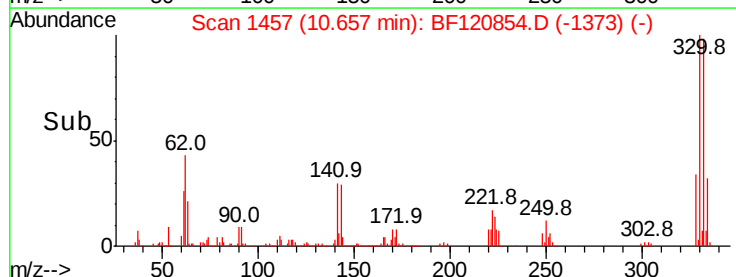
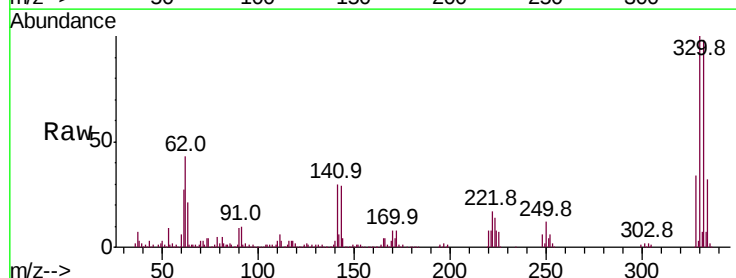
Instrument :
BNA_F
ClientSampleId :
NCQ-632

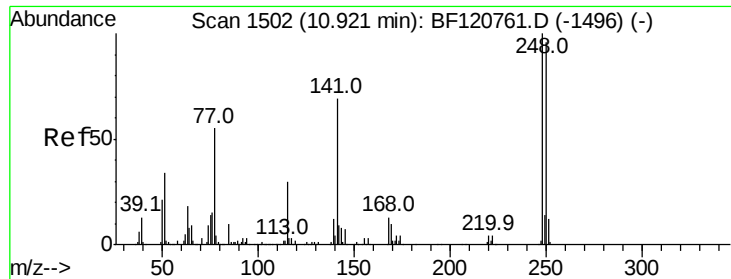
Tot Ion:188 Resp: 725816
Ion Ratio Lower Upper
188 100
94 8.6 6.6 9.8
80 8.4 6.6 10.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.392 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.19 min
Lab File: BF120854.D
Acq: 13 Jul 2020 15:43

Tgt Ion:198 Resp: 1374
Ion Ratio Lower Upper
198 100
51 263.5 50.0 90.0#
105 295.5 38.3 78.3#





#67

4-Bromophenyl-phenylether

Concen: 2.596 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

Instrument :

BNA_F

ClientSampled :

NCQ-632

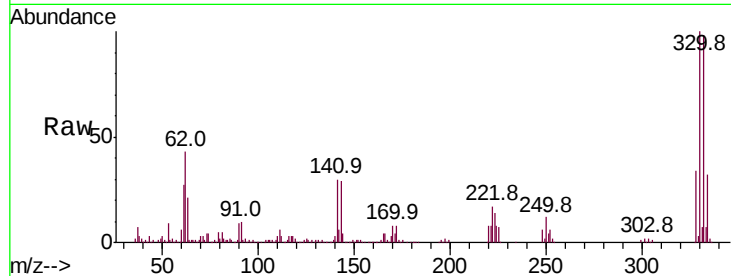
Tot Ion:248 Resp: 21859

Ion Ratio Lower Upper

248 100

250 191.5 76.5 114.7#

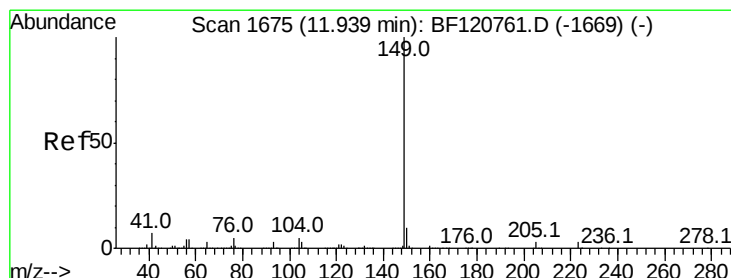
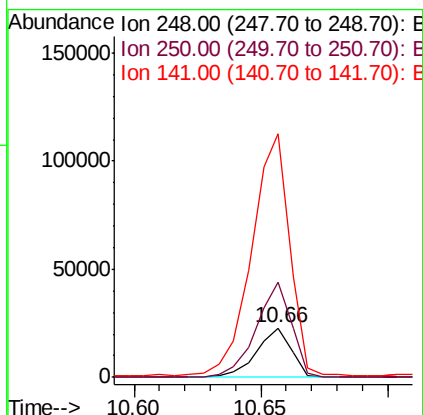
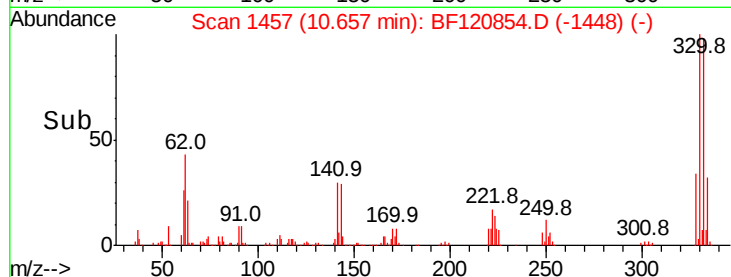
141 490.8 54.9 82.3#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74

Di-n-butylphthalate

Concen: 6.765 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BF120854.D

Acq: 13 Jul 2020 15:43

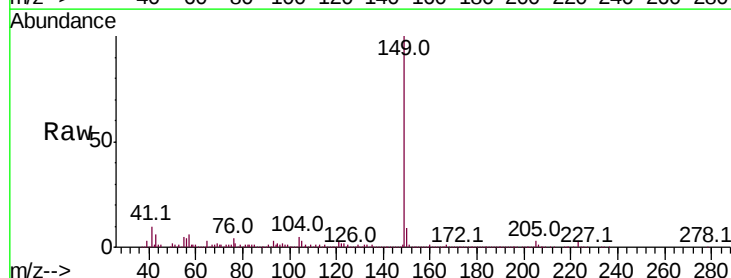
Tgt Ion:149 Resp: 320303

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

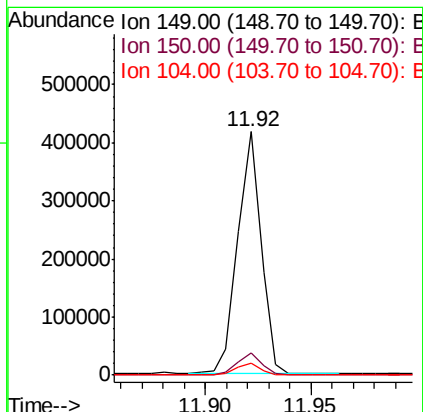
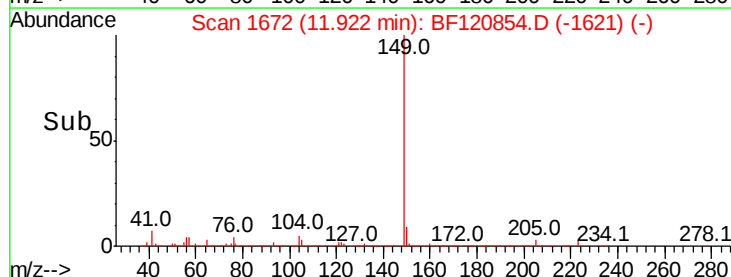
104 5.0 4.0 6.0

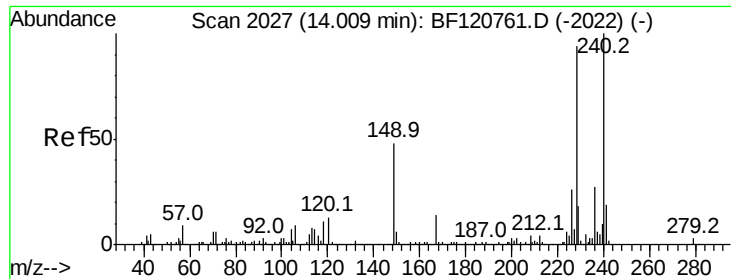


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

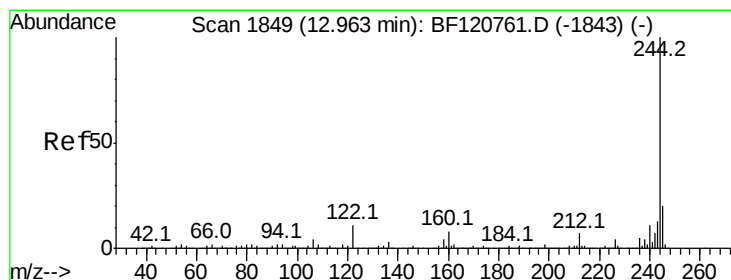
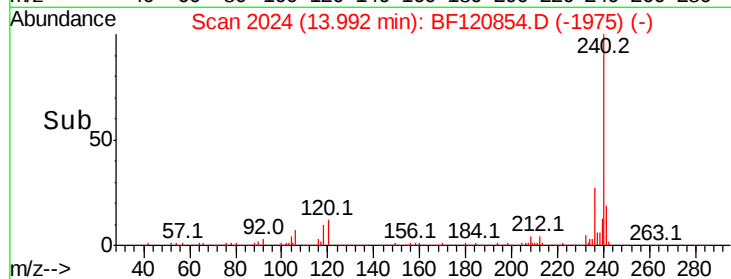
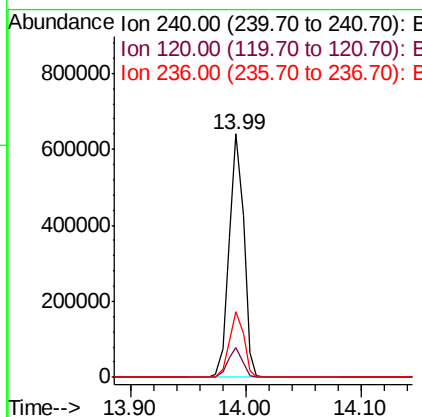
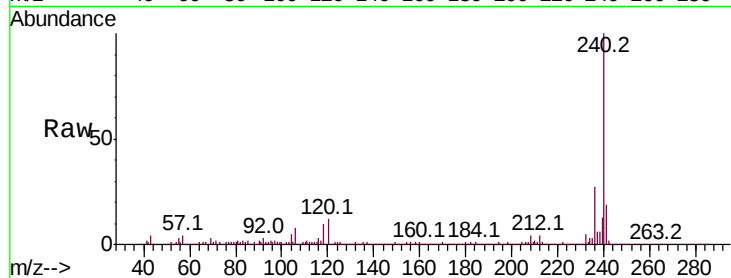




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF120854.D
 Acq: 13 Jul 2020 15:43

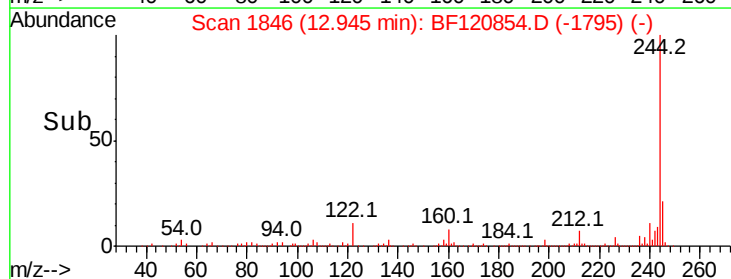
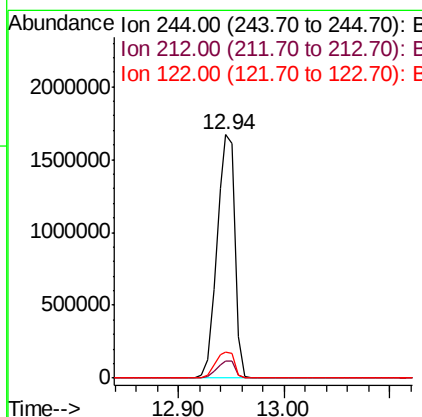
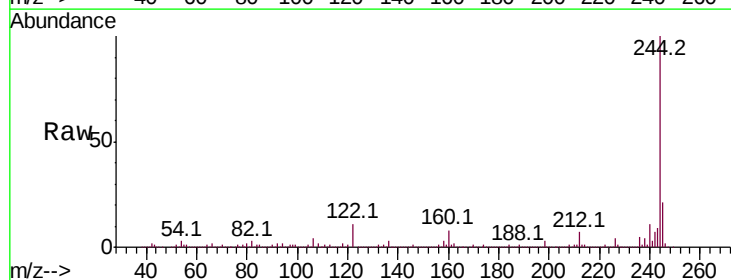
Instrument :
 BNA_F
 ClientSampleId :
 NCQ-632

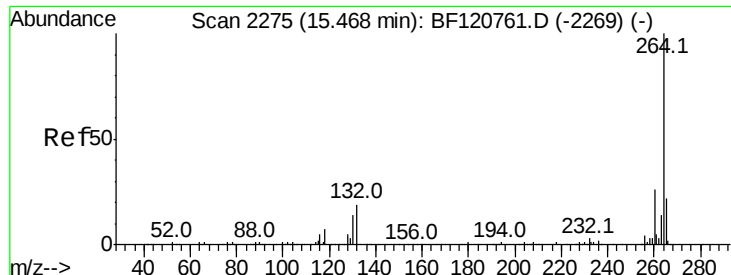
Tot Ion:240 Resp: 561175
 Ion Ratio Lower Upper
 240 100
 120 12.0 10.3 15.5
 236 27.1 21.4 32.2



#79
 Terphenyl-d14
 Concen: 69.507 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: BF120854.D
 Acq: 13 Jul 2020 15:43

Tgt Ion:244 Resp: 1992216
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.7 9.0 13.4

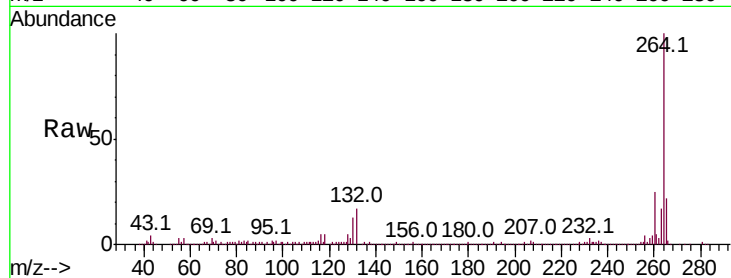




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF120854.D
 Acq: 13 Jul 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-632

Tot Ion:	264	Resp:	419797
Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.6	30.8
265	21.9	17.6	26.4



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

