

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121008.D
 Acq On : 24 Jul 2020 17:48
 Operator : JU/CG
 Sample : L3402-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 18:33:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	152614	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	574476	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	293619	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	522713	20.00	ng	0.00
76) Chrysene-d12	13.96	240	348393	20.00	ng	-0.01
86) Perylene-d12	15.41	264	371947	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	969852	104.18	ng	0.01
7) Phenol-d6	6.45	99	1041030	86.57	ng	0.00
23) Nitrobenzene-d5	7.37	82	815632	82.15	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	381522	118.71	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1441734	73.31	ng	0.00
79) Terphenyl-d14	12.92	244	1386455	86.51	ng	0.00

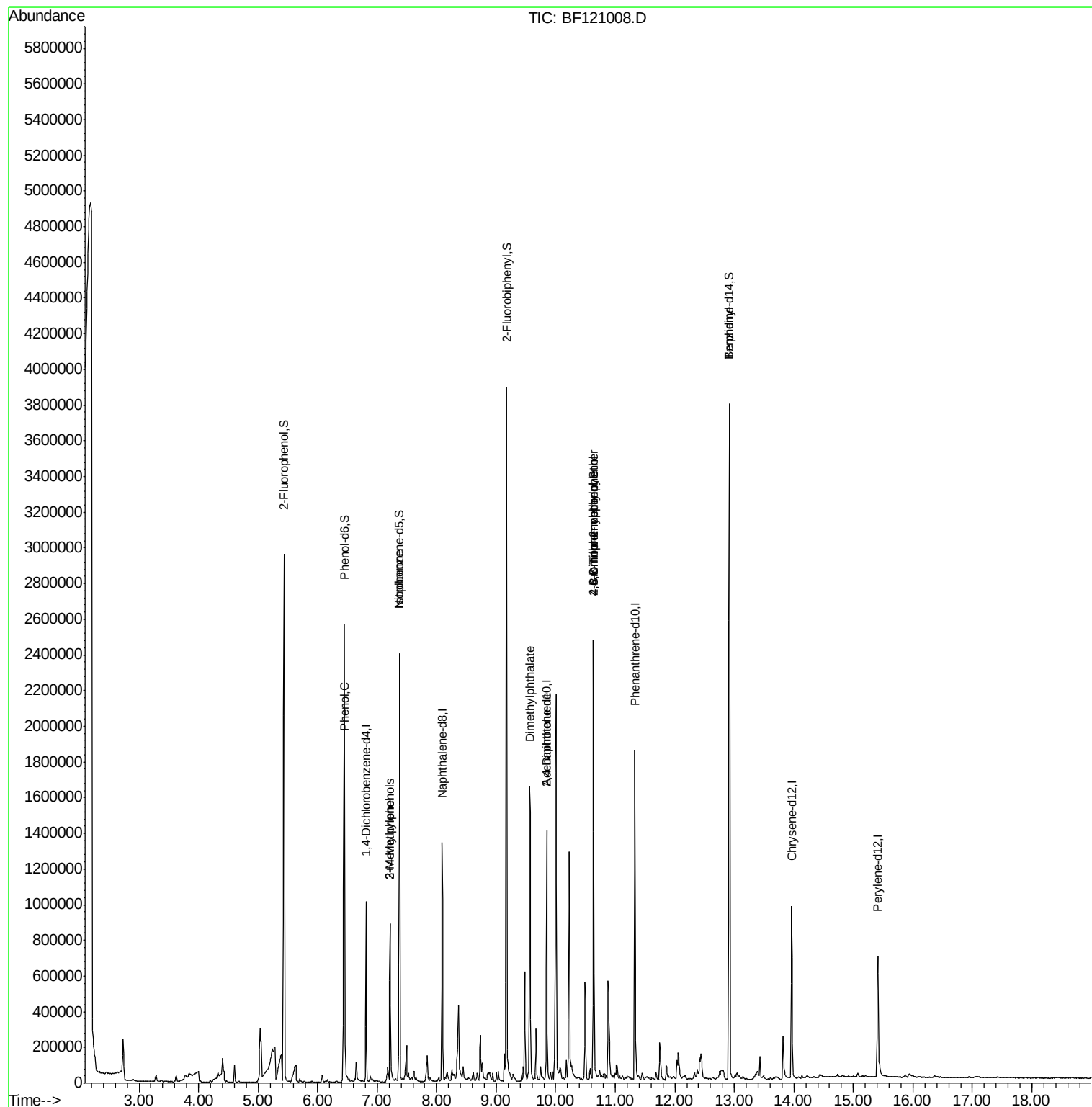
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	425	Below Cal		94
10) Phenol	6.46	94	33330	2.520	ng	95
17) 2-Methylphenol	7.22	107	226120	24.876	ng	# 71
20) 3+4-Methylphenols	7.22	107	226120	19.555	ng	# 66
25) Isophorone	7.37	82	815753	41.170	ng	# 63
50) Dimethylphthalate	9.56	163	698453	32.973	ng	99
57) 2,4-Dinitrotoluene	9.85	165	38010	6.360	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.64	198	795	4.084	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	21555	3.699	ng	# 1
77) Benzidine	12.92	184	18823	2.055	ng	# 92

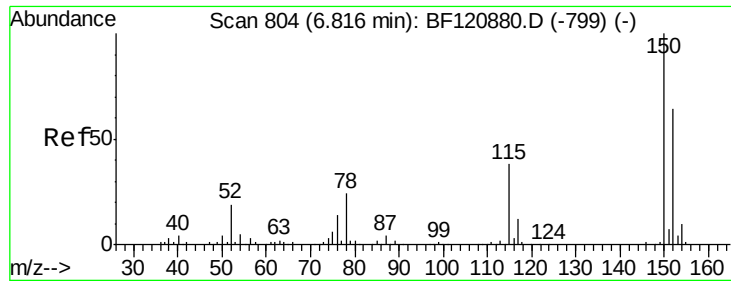
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
Data File : BF121008.D
Acq On : 24 Jul 2020 17:48
Operator : JU/CG
Sample : L3402-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 24 18:33:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 14:20:32 2020
Response via : Initial Calibration



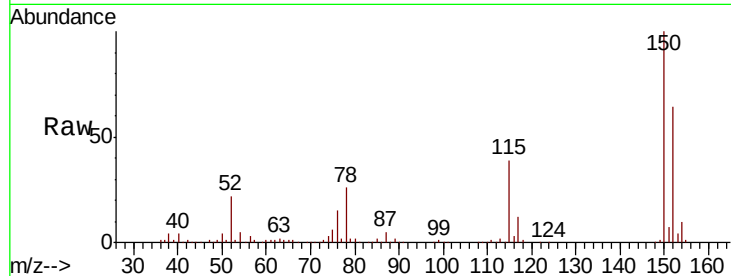


#1

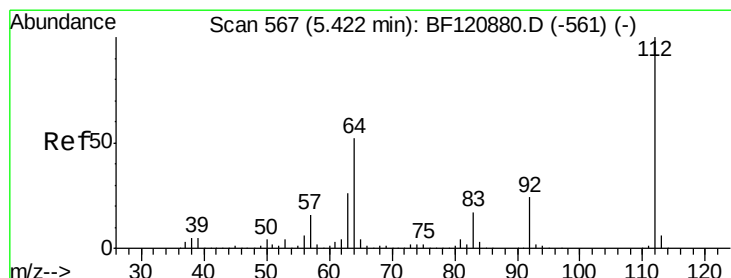
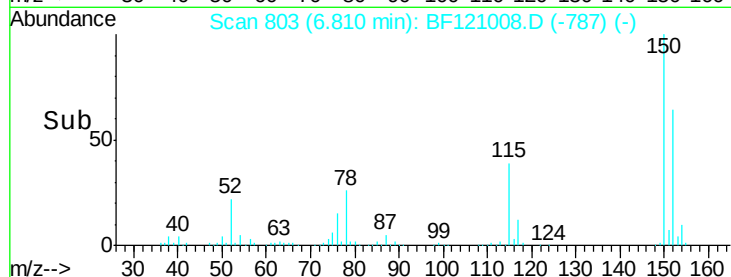
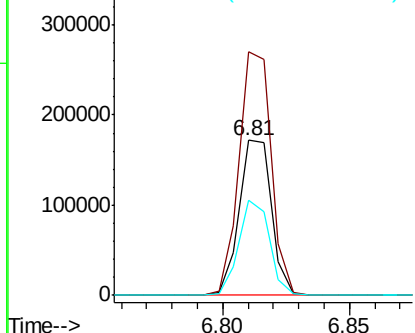
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121008.D
Acq: 24 Jul 2020 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152614
Ion Ratio Lower Upper
152 100
150 157.1 125.0 187.6
115 61.3 47.0 70.4



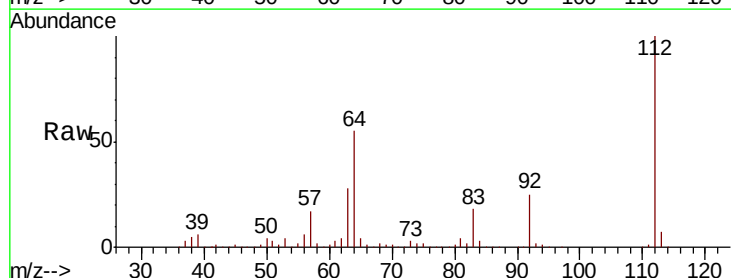
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



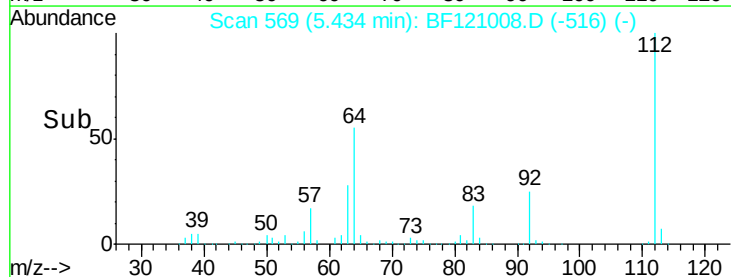
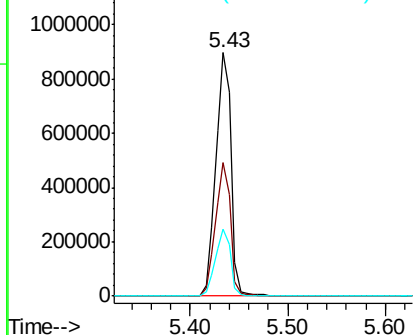
#5

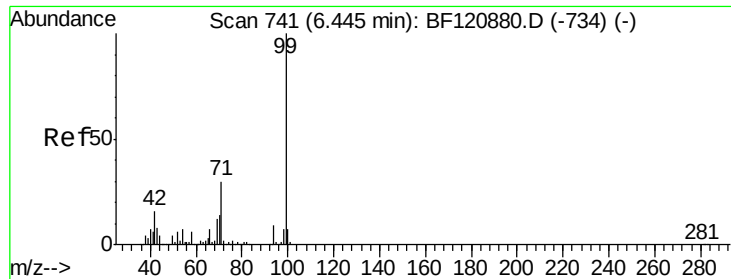
2-Fluorophenol
Concen: 104.180 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121008.D
Acq: 24 Jul 2020 17:48

Tgt Ion:112 Resp: 969852
Ion Ratio Lower Upper
112 100
64 54.6 41.3 61.9
63 27.7 21.1 31.7



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: 86.570 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

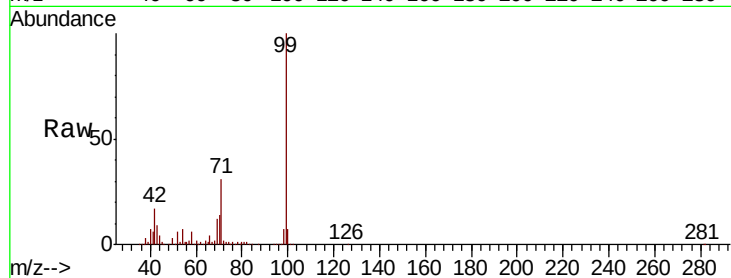
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1041030

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.1	19.7
71	30.9	24.2	36.4

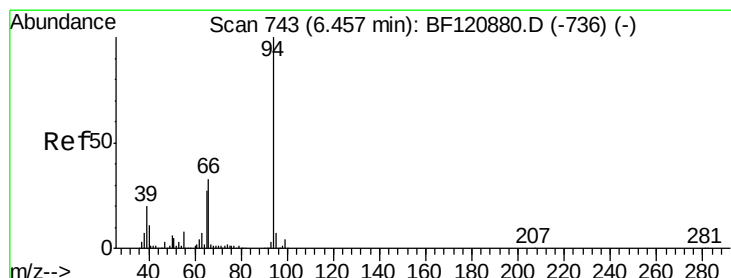
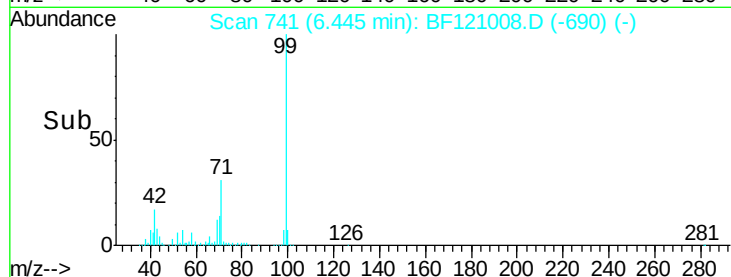
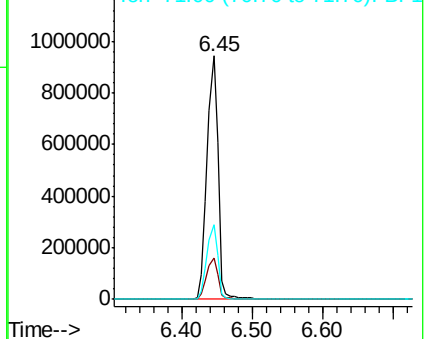


Abundance

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



#10

Phenol

Concen: 2.520 ng

RT: 6.46 min Scan# 743

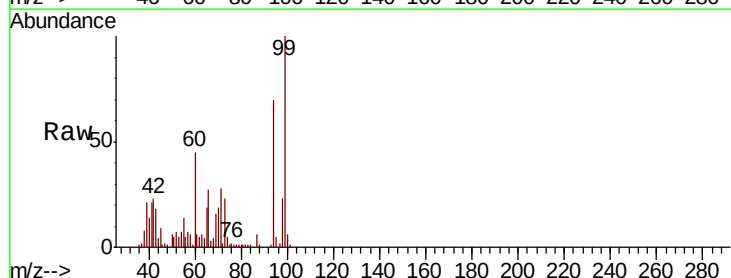
Delta R.T. 0.00 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

Tgt Ion: 94 Resp: 33330

Ion	Ratio	Lower	Upper
94	100		
65	27.1	6.6	46.6
66	38.1	13.2	53.2

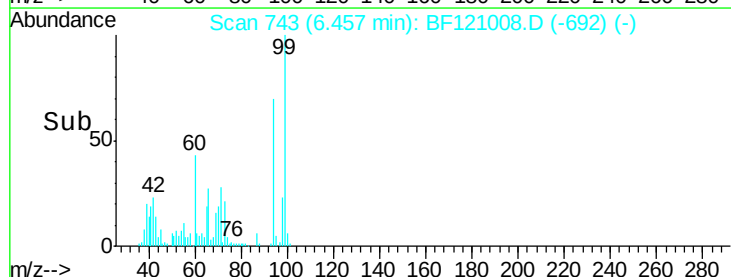
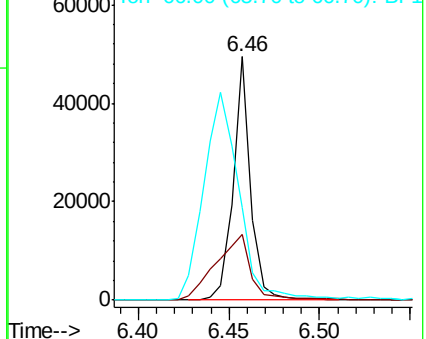


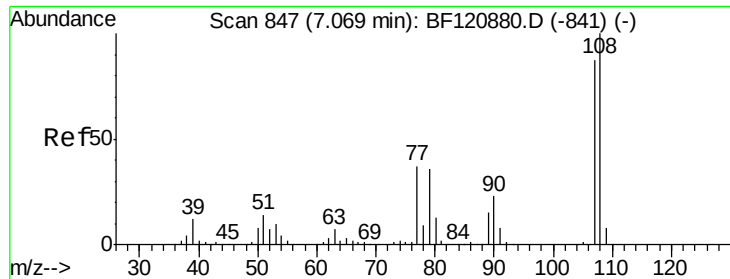
Abundance

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

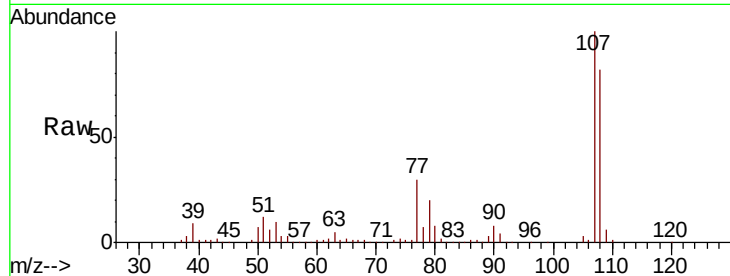




#17
2-Methylphenol
Concen: 24.876 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.15 min
Lab File: BF121008.D
Acq: 24 Jul 2020 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	82.4	92.0	138.0#
77	29.7	34.0	51.0#
79	19.7	33.3	49.9#



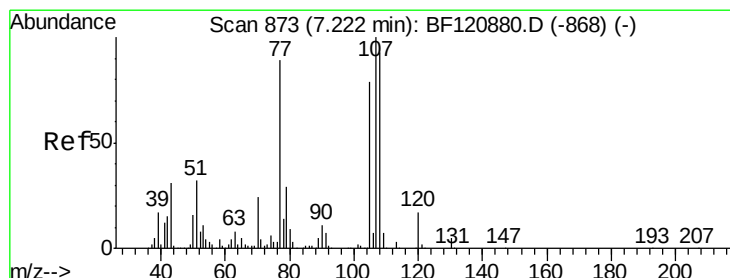
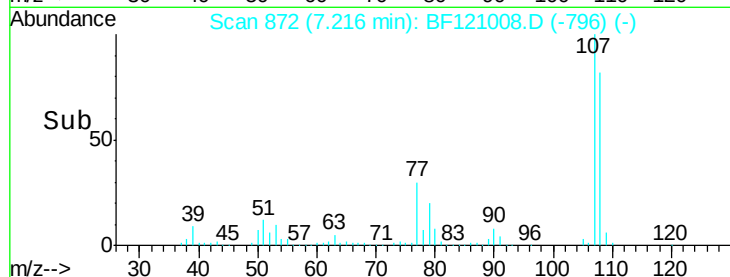
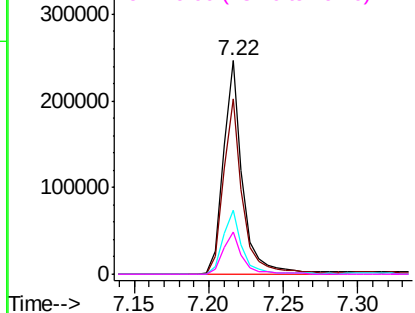
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

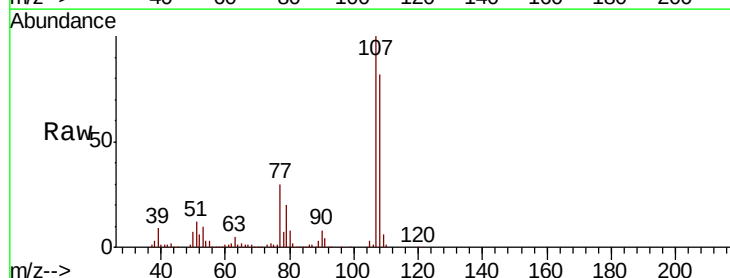
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20
3+4-Methylphenols
Concen: 19.555 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF121008.D
Acq: 24 Jul 2020 17:48

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.4	72.8	112.8
77	29.7	68.7	108.7#
79	19.7	8.5	48.5



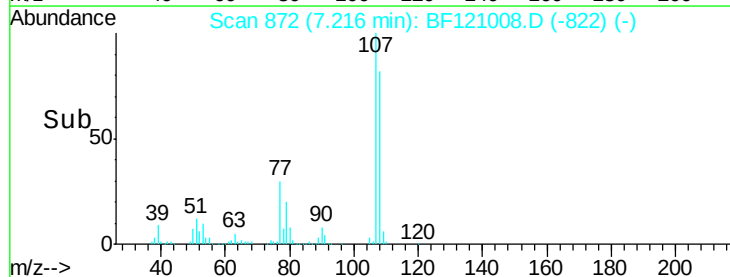
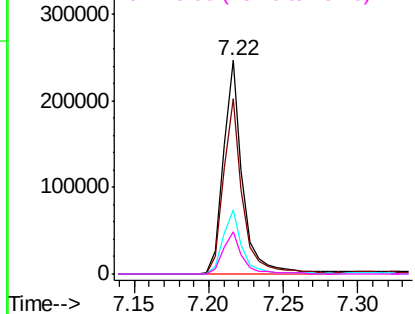
Abundance

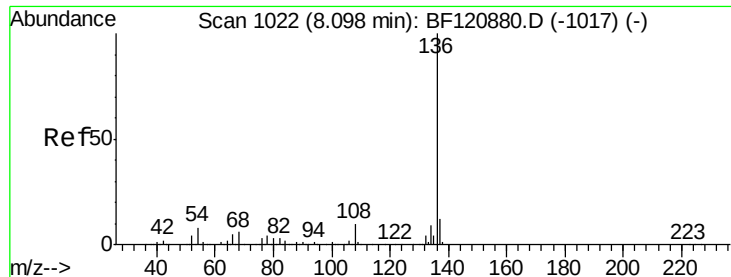
Ion 107.00 (106.70 to 107.70): E

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 574476

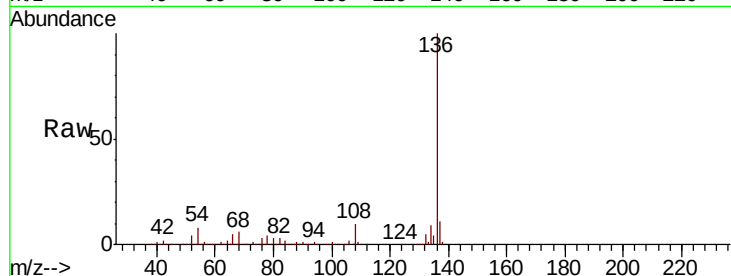
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.8 6.3 9.5

68 6.0 5.0 7.4

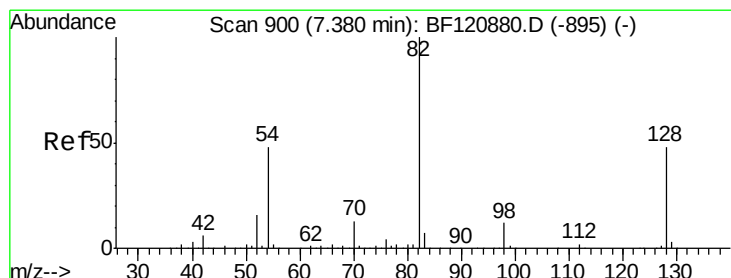
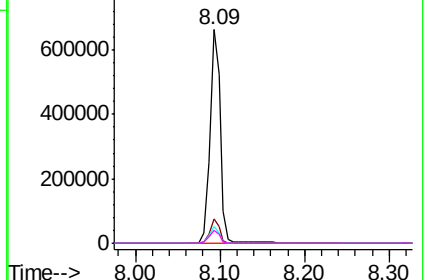
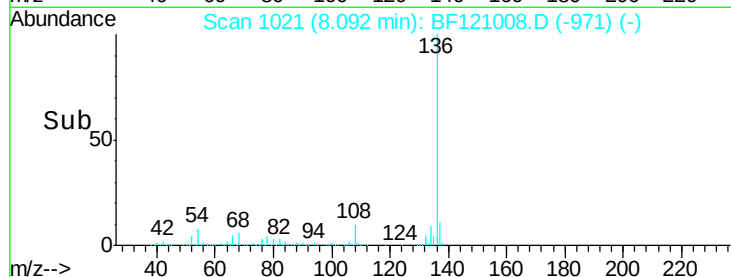


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 82.153 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

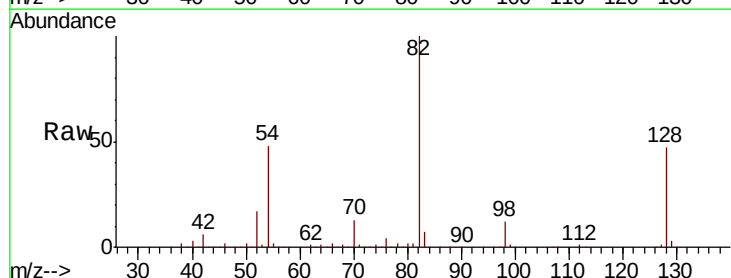
Tgt Ion: 82 Resp: 815632

Ion Ratio Lower Upper

82 100

128 47.2 38.2 57.4

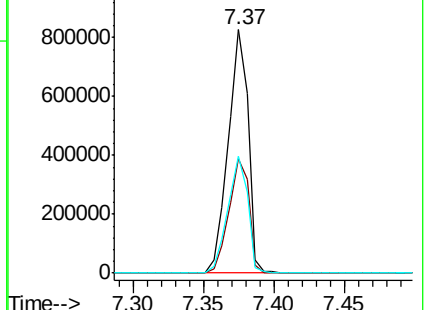
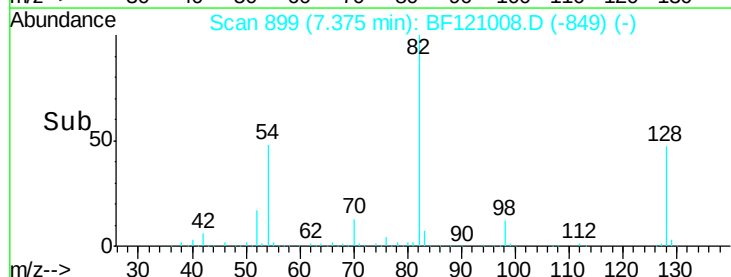
54 48.2 38.7 58.1

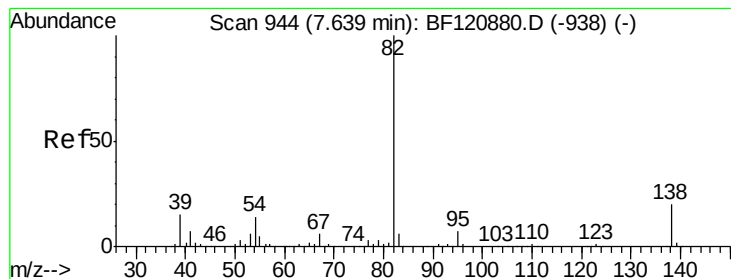


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.170 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

Instrument :

BNA_F

ClientSampled :

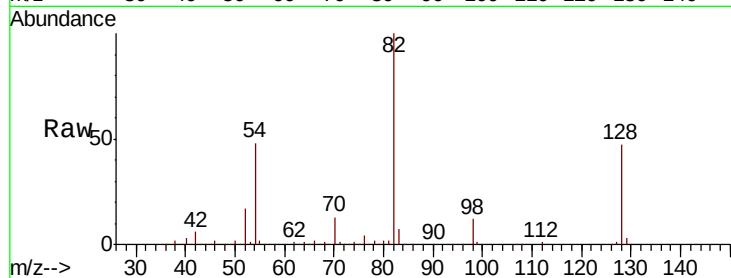
Tot Ion: 82 Resp: 815753

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.6 23.4#

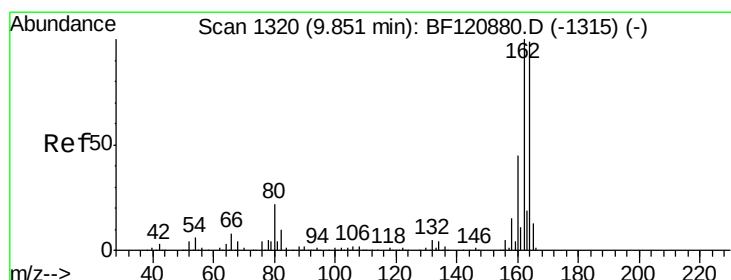
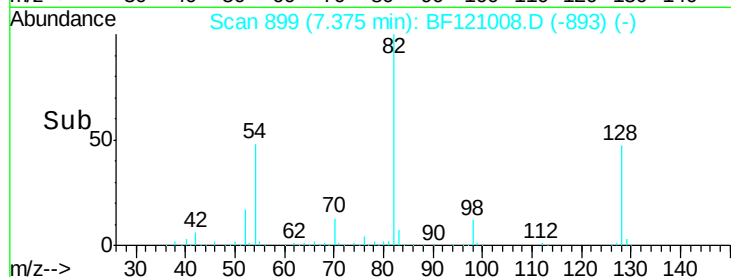


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

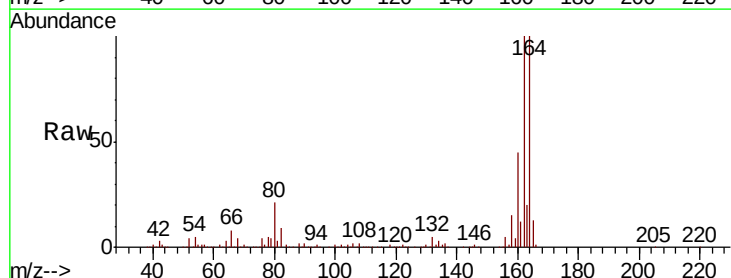
Tgt Ion: 164 Resp: 293619

Ion Ratio Lower Upper

164 100

162 99.7 81.2 121.8

160 45.5 36.9 55.3

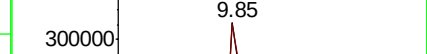
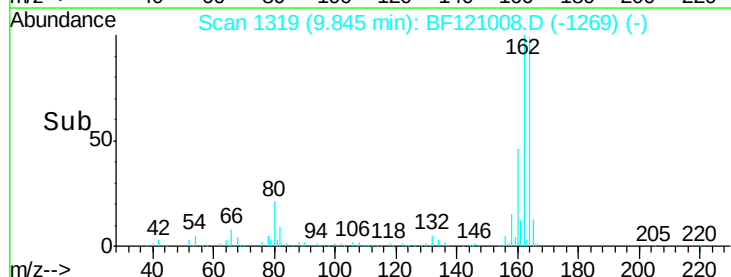


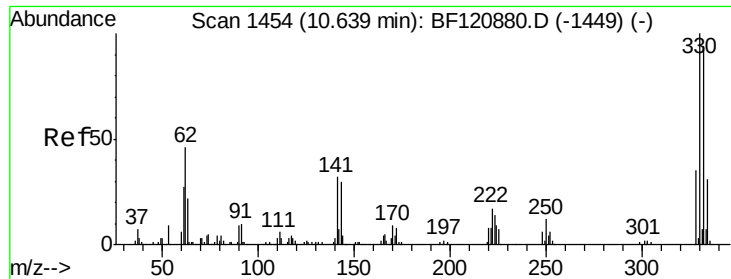
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

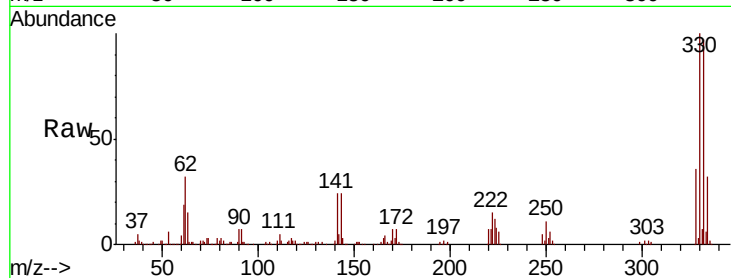




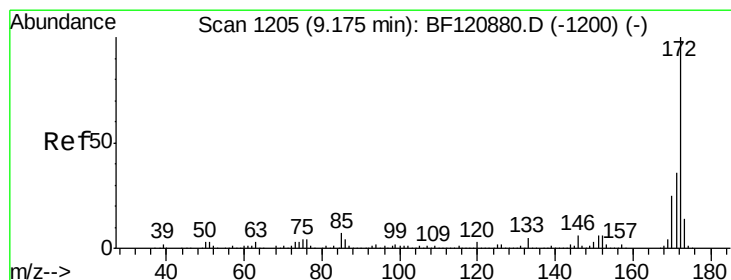
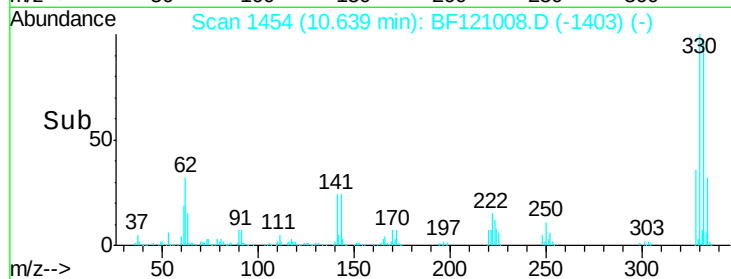
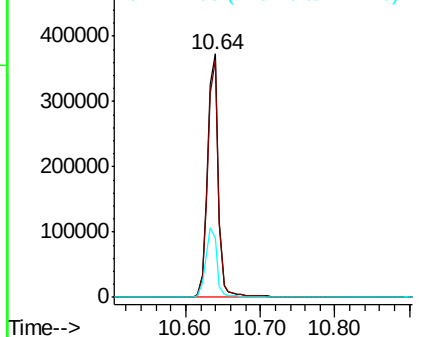
#42
 2,4,6-Tribromophenol
 Concen: 118.708 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF121008.D
 Acq: 24 Jul 2020 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.5	113.3
141	30.1	25.7	38.5

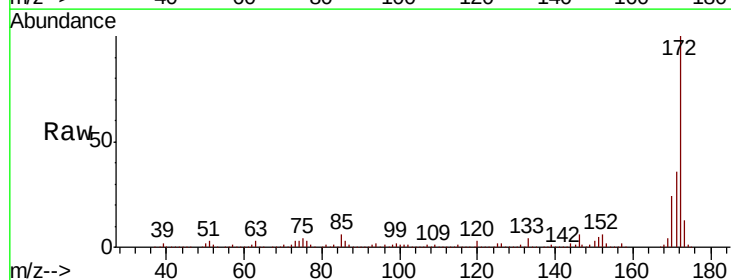


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

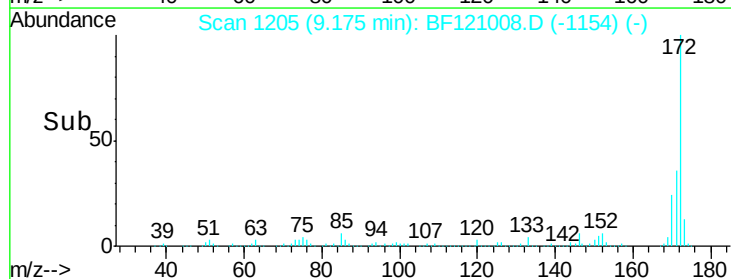
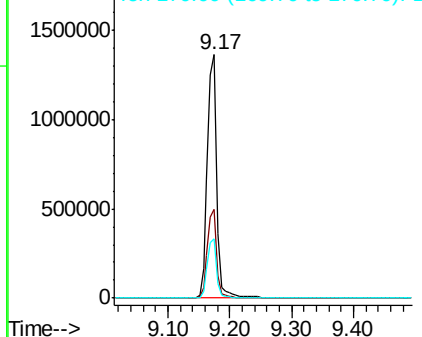


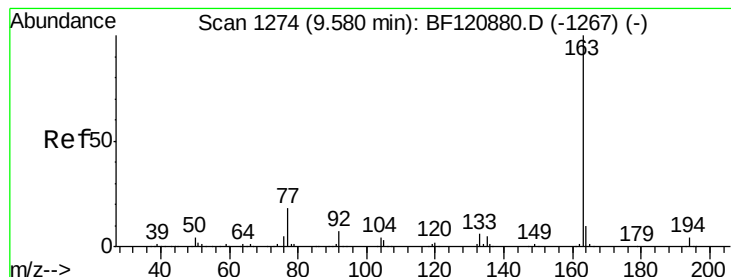
#45
 2-Fluorobiphenyl
 Concen: 73.312 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF121008.D
 Acq: 24 Jul 2020 17:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.5	19.6	29.4



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





#50

Dimethylphthalate

Concen: 32.973 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

Instrument :

BNA_F

ClientSampleId :

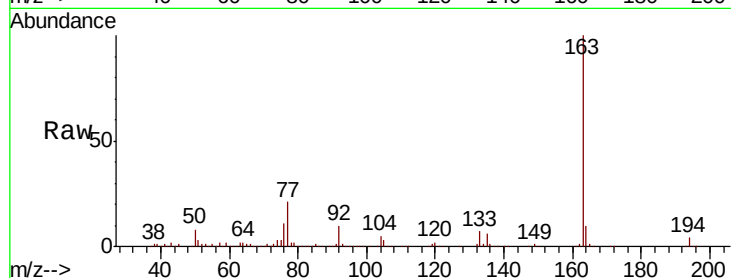
Tot Ion:163 Resp: 698453

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

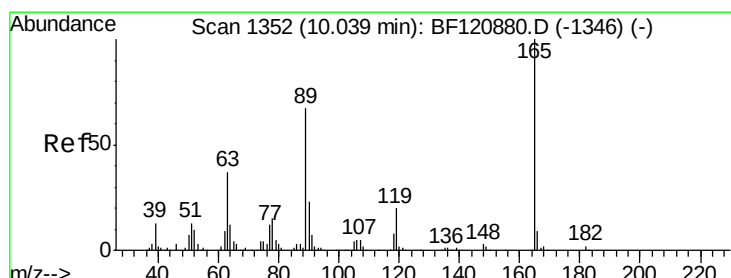
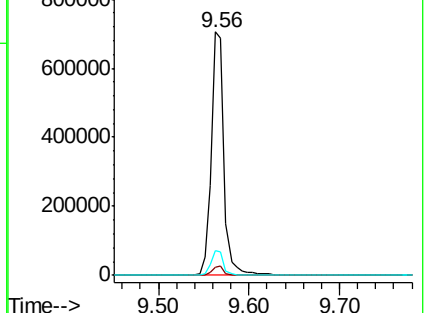
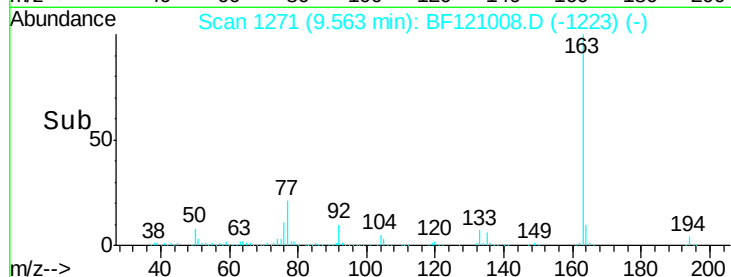
164 10.4 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 6.360 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

Tgt Ion:165 Resp: 38010

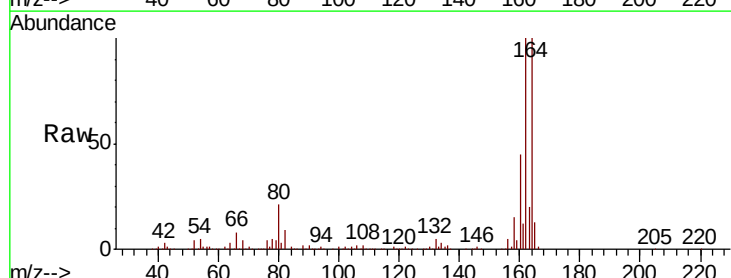
Ion Ratio Lower Upper

165 100

63 1.1 29.4 44.2#

89 1.7 53.4 80.0#

182 0.0 1.8 2.6#

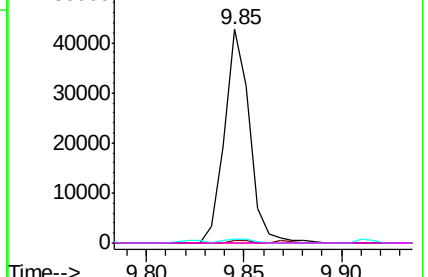
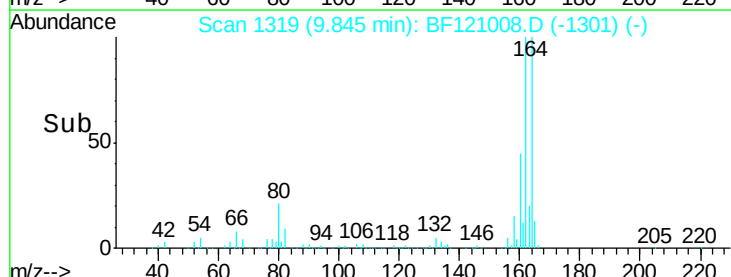


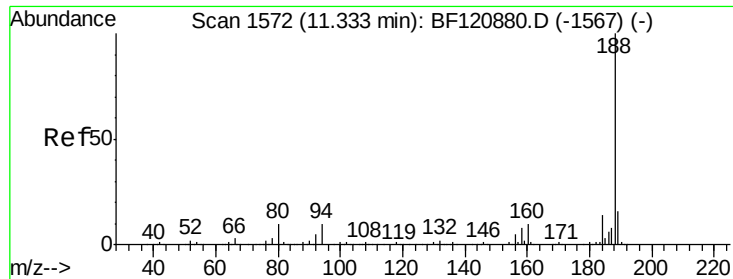
Abundance Ion 165.00 (164.70 to 165.70): E

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

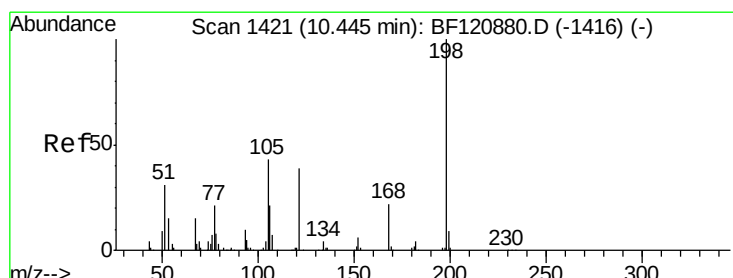
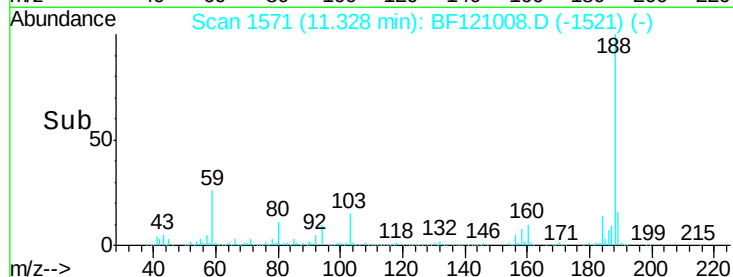
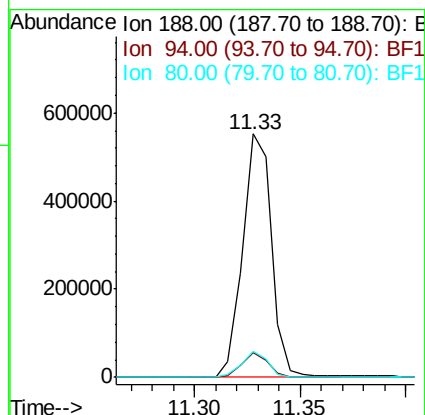
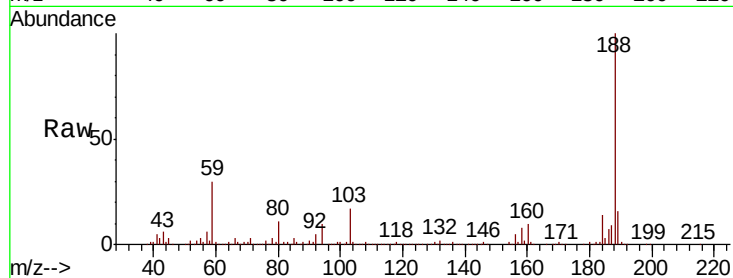




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121008.D
Acq: 24 Jul 2020 17:48

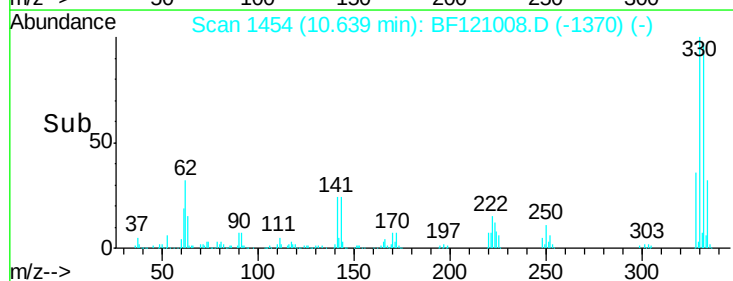
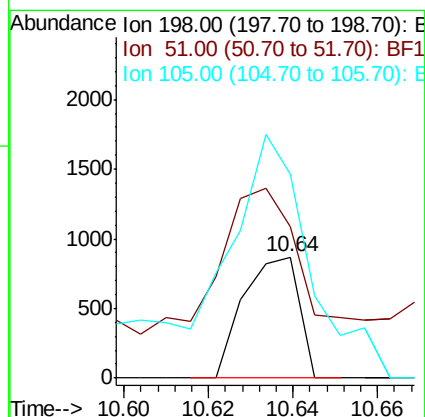
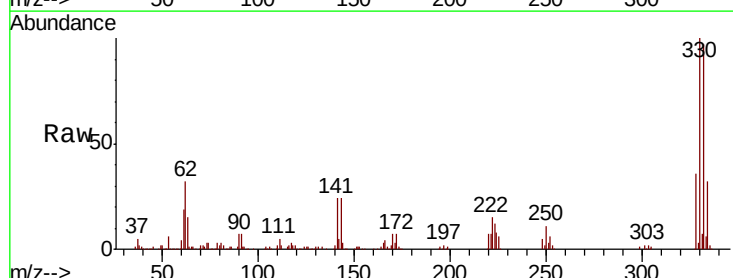
Instrument :
BNA_F
ClientSampleId :

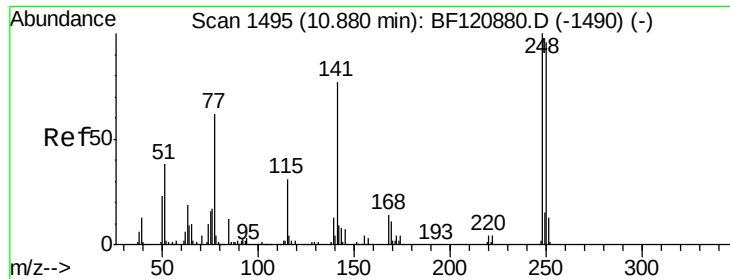
Tot Ion:188 Resp: 522713
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 10.7 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 4.084 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF121008.D
Acq: 24 Jul 2020 17:48

Tgt Ion:198 Resp: 795
Ion Ratio Lower Upper
198 100
51 125.3 19.5 59.5#
105 168.0 24.4 64.4#

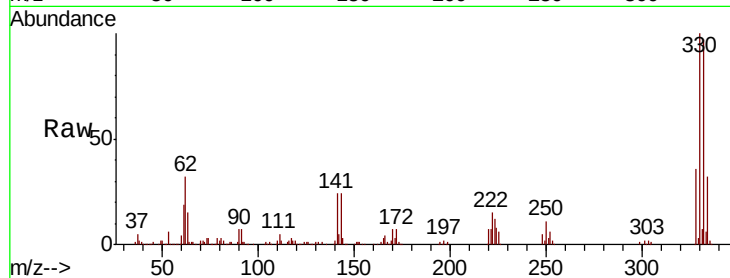




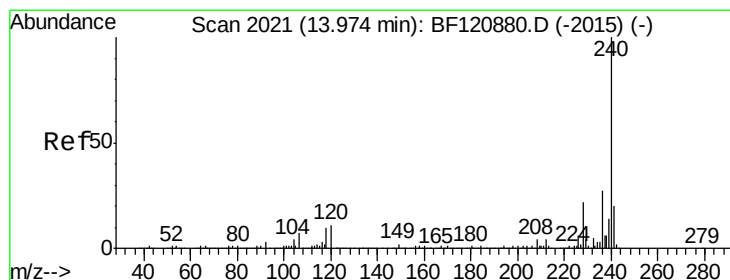
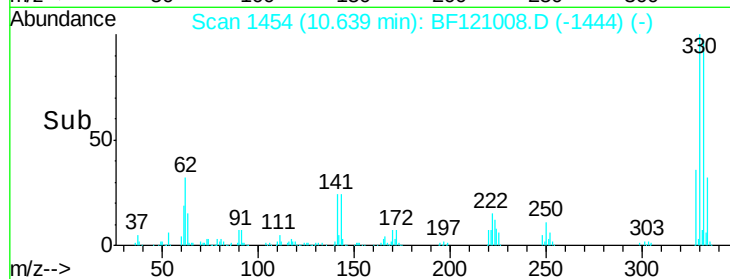
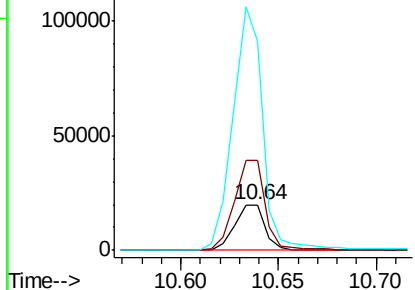
#67
 4-Bromophenyl-phenylether
 Concen: 3.699 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF121008.D
 Acq: 24 Jul 2020 17:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 21555
 Ion Ratio Lower Upper
 248 100
 250 196.6 77.1 115.7#
 141 455.6 61.2 91.8#

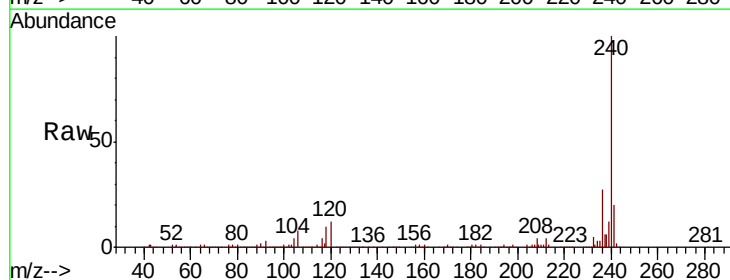


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

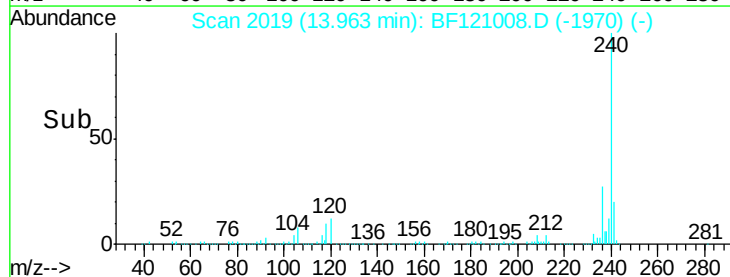
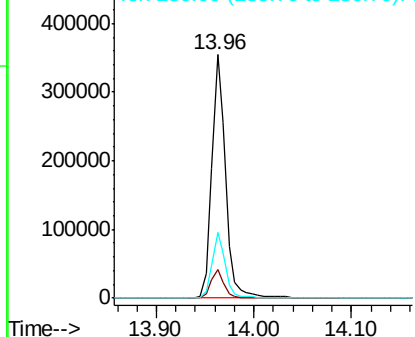


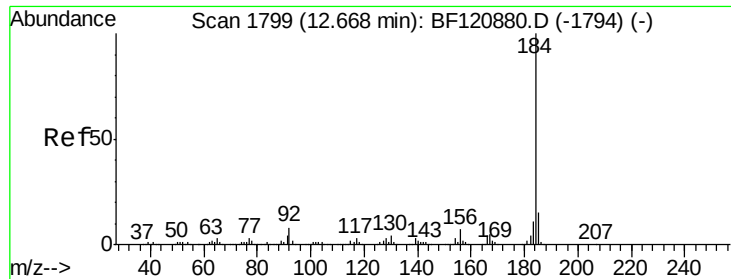
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF121008.D
 Acq: 24 Jul 2020 17:48

Tgt Ion:240 Resp: 348393
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.0 13.4
 236 27.0 21.7 32.5



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: 2.055 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

Instrument :

BNA_F

ClientSampleId :

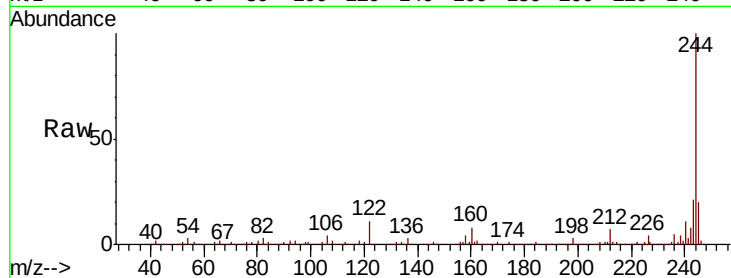
Tot Ion:184 Resp: 18823

Ion Ratio Lower Upper

184 100

185 18.5 12.2 18.2#

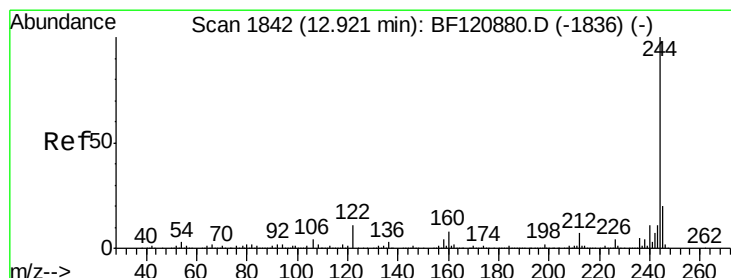
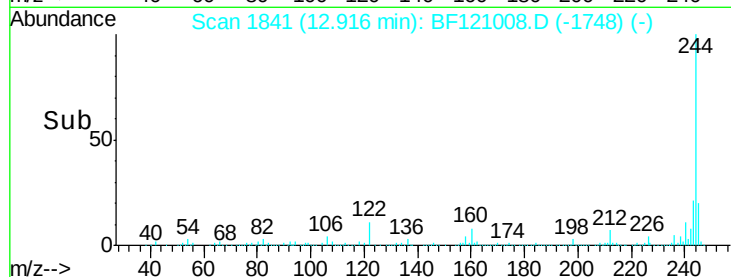
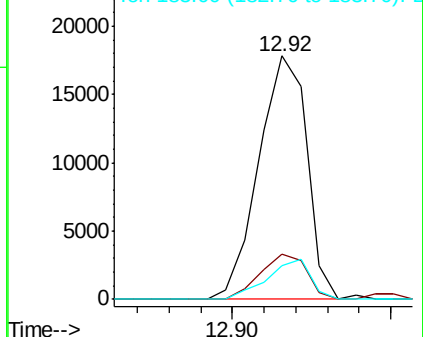
183 13.8 8.5 12.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 86.507 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF121008.D

Acq: 24 Jul 2020 17:48

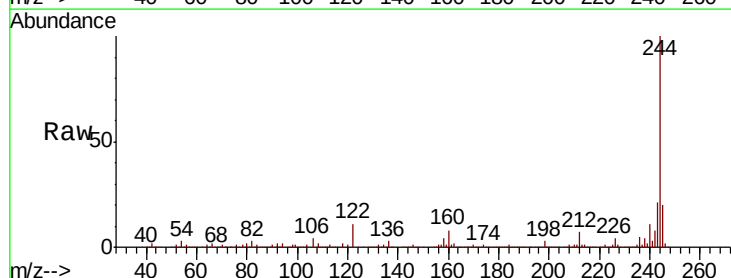
Tgt Ion:244 Resp: 1386455

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

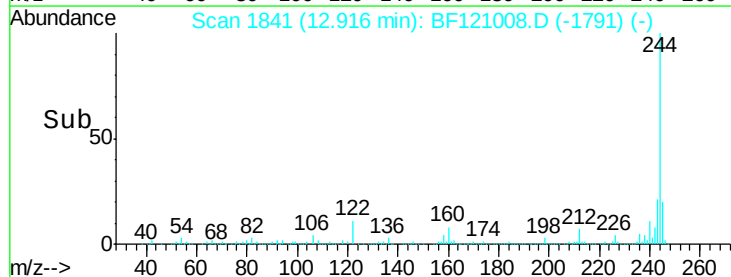
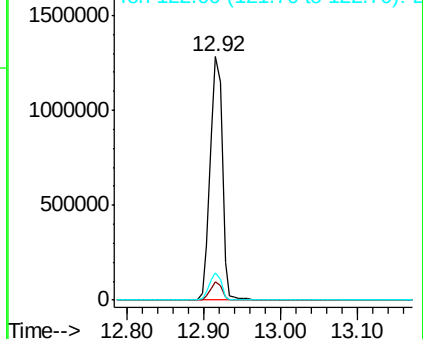
122 11.2 8.9 13.3

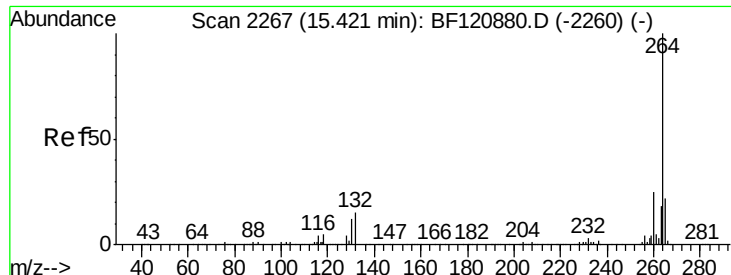


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF121008.D
 Acq: 24 Jul 2020 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	21.9	17.4	26.2

