

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092420\
 Data File : BF121684.D
 Acq On : 24 Sep 2020 16:19
 Operator : JU/CG
 Sample : L4125-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 CS-33

Quant Time: Sep 24 18:57:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	386939	40.00	ng	0.00
21) Naphthalene-d8	8.09	136	1550355	40.00	ng	0.00
39) Acenaphthene-d10	9.85	164	827806	40.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1613959	40.00	ng	0.00
76) Chrysene-d12	13.97	240	1587015	40.00	ng	0.00
86) Perylene-d12	15.43	264	1353050	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	886033	68.06	ng	0.00
7) Phenol-d6	6.45	99	1141338	66.83	ng	0.00
23) Nitrobenzene-d5	7.37	82	789561	54.69	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	327002	63.57	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1430423	52.34	ng	0.00
79) Terphenyl-d14	12.92	244	1791901	45.75	ng	0.00

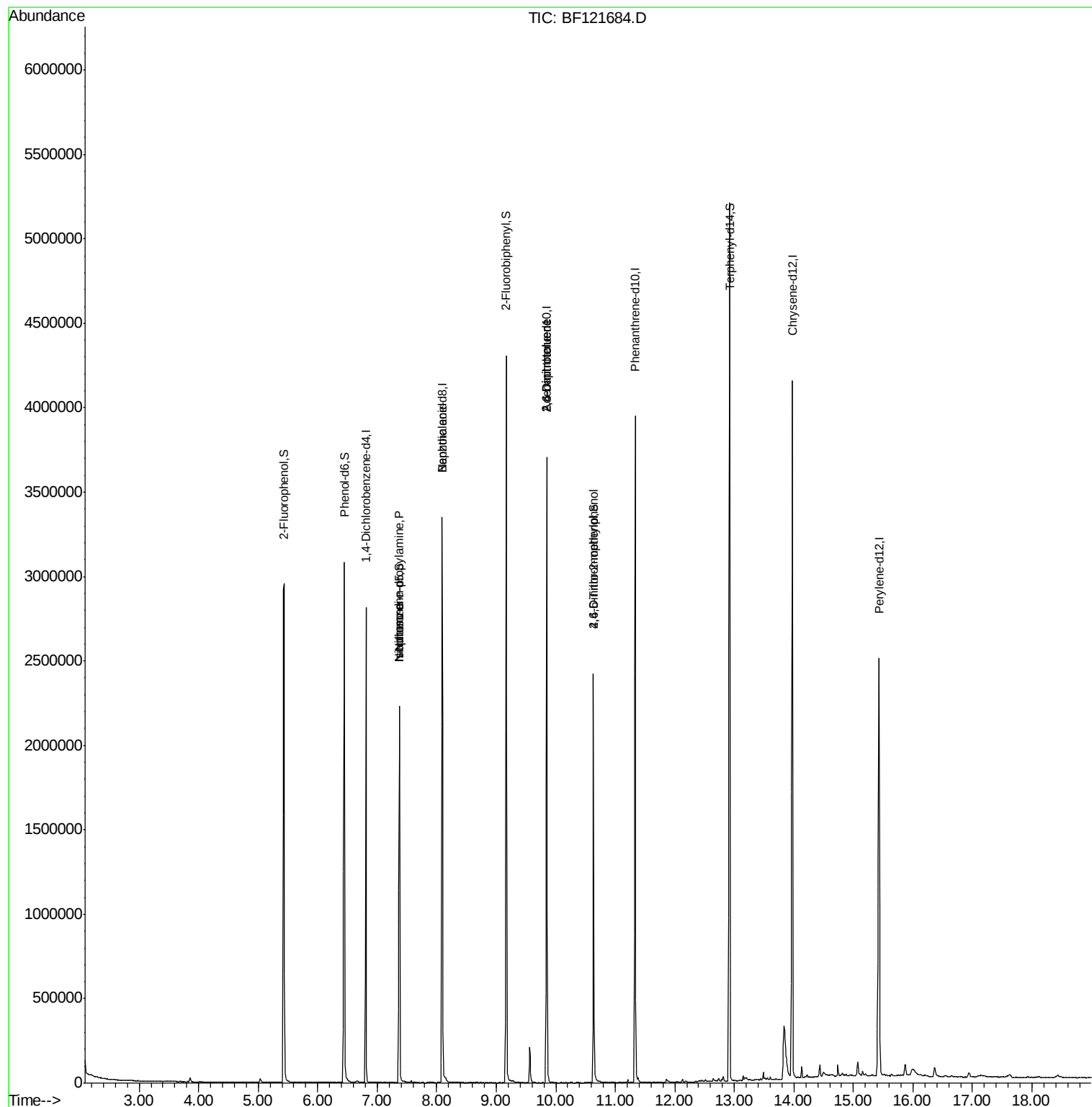
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	105950	10.764	ng	# 79
25) Isophorone	7.37	82	779877	26.834	ng	# 67
32) Benzoic acid	8.09	122	163	13.886	ng	# 1
50) Dimethylphthalate	9.56	163	103859	3.462	ng	99
51) 2,6-Dinitrotoluene	9.85	165	108009	16.906	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	108009	13.438	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.63	198	651	13.817	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	18552	2.019	ng	# 1

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

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Quant Time: Sep 24 18:57:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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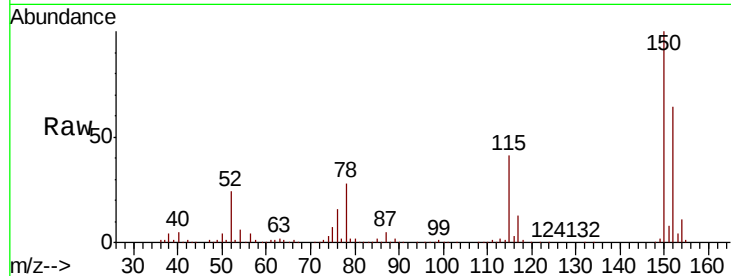


#1

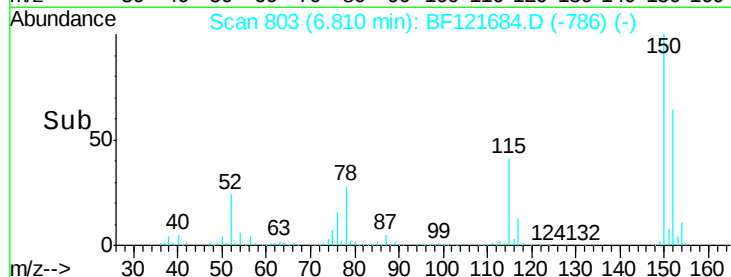
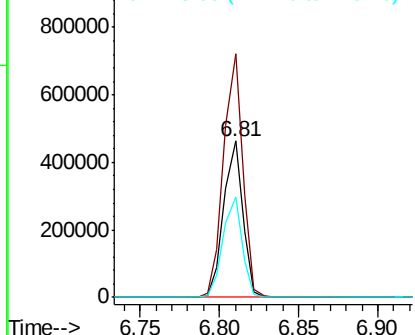
1,4-Dichlorobenzene-d4
 Concen: 40.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF121684.D
 Acq: 24 Sep 2020 16:19

Instrument :
 BNA_F
 ClientSampleId :
 CS-33

Tot Ion:152 Resp: 386939
 Ion Ratio Lower Upper
 152 100
 150 156.0 128.1 192.1
 115 64.6 52.6 79.0



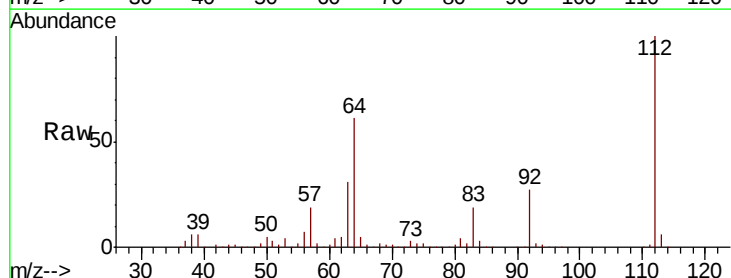
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



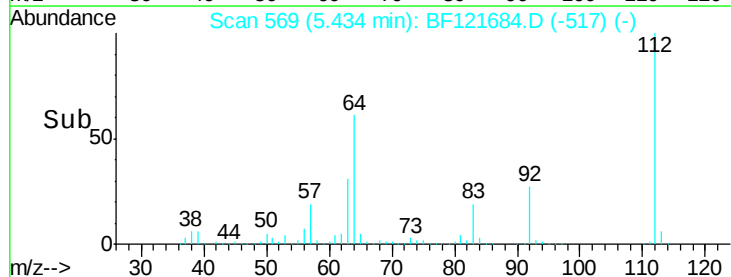
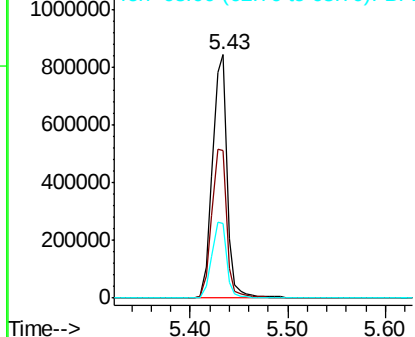
#5

2-Fluorophenol
 Concen: 68.060 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF121684.D
 Acq: 24 Sep 2020 16:19

Tgt Ion:112 Resp: 886033
 Ion Ratio Lower Upper
 112 100
 64 60.8 52.2 78.2
 63 30.9 26.6 39.8



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: 66.826 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Instrument :

BNA_F

ClientSampleId :

CS-33

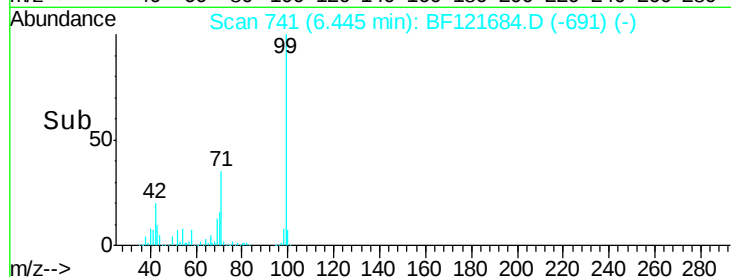
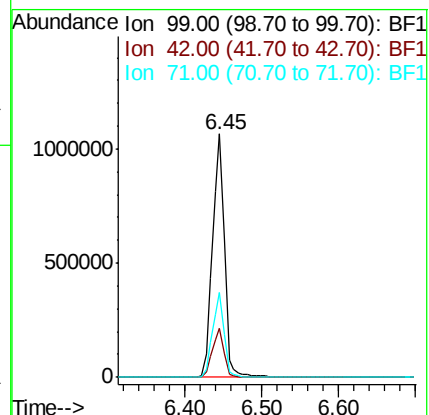
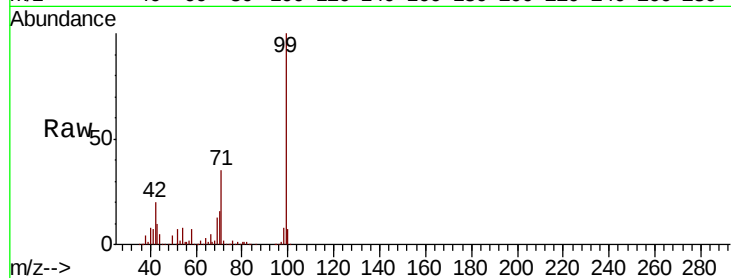
Tot Ion: 99 Resp: 1141338

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 34.8 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.764 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Tgt Ion: 70 Resp: 105950

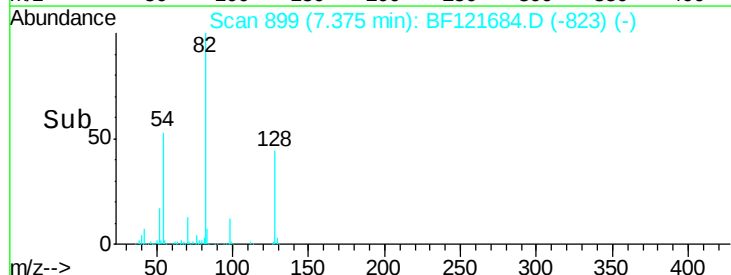
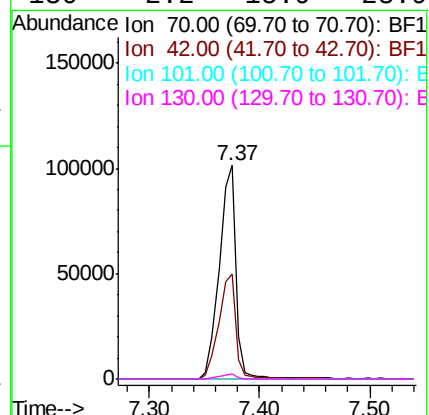
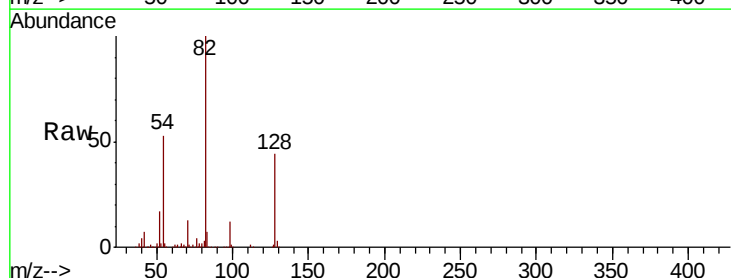
Ion Ratio Lower Upper

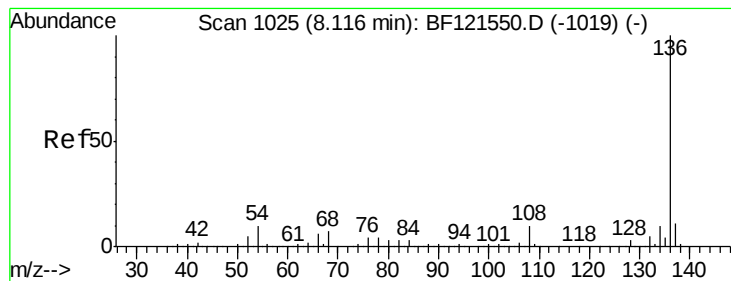
70 100

42 48.9 48.3 72.5

101 0.0 7.6 11.4#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 40.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Instrument :

BNA_F

ClientSampleId :

CS-33

Tot Ion:136 Resp: 1550355

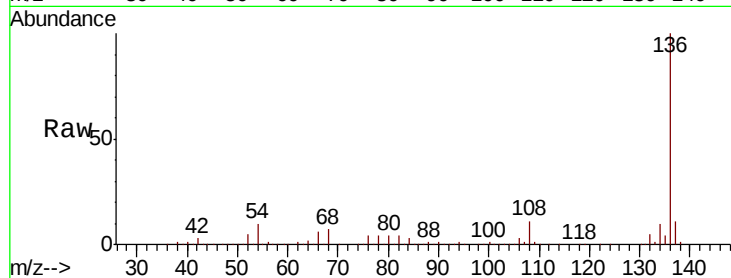
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.6 7.4 11.0

68 6.9 5.3 7.9

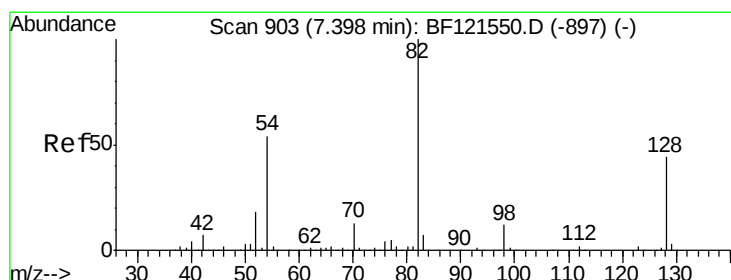
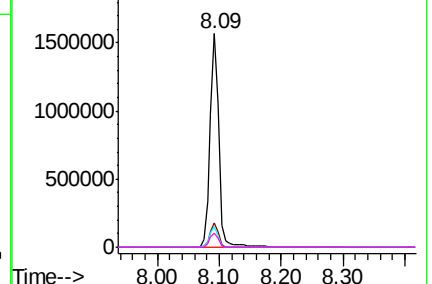
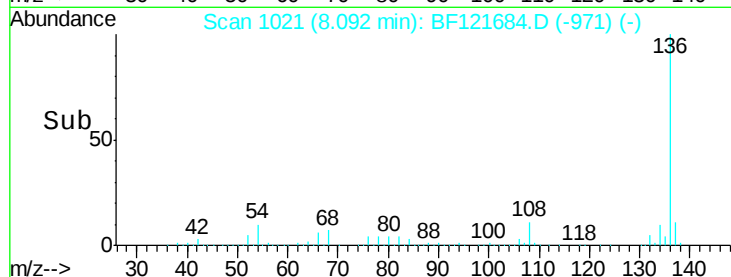


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.688 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

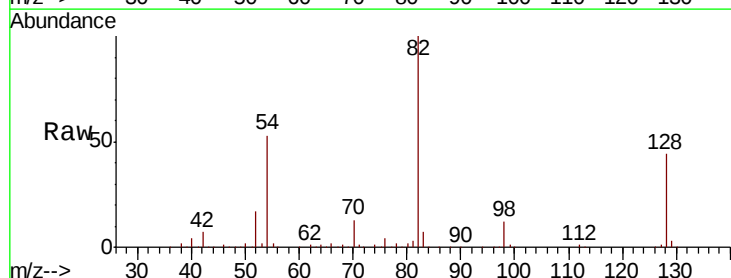
Tgt Ion: 82 Resp: 789561

Ion Ratio Lower Upper

82 100

128 44.1 33.9 50.9

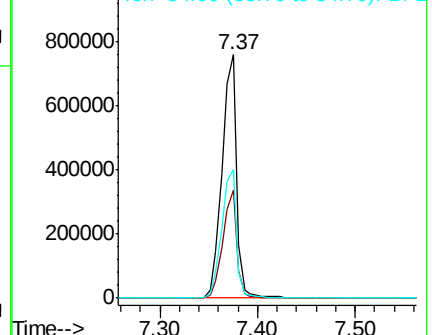
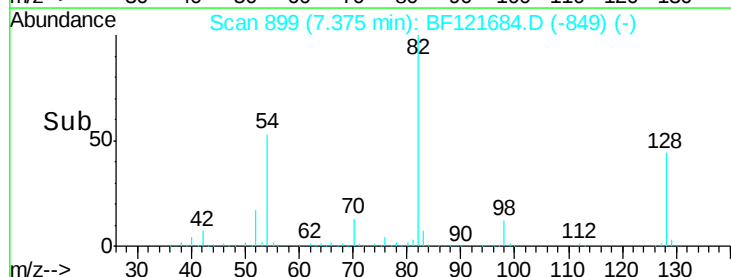
54 52.6 42.9 64.3

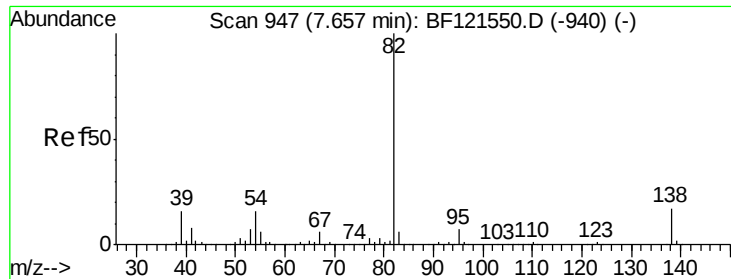


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.834 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Instrument :

BNA_F

ClientSampled :

CS-33

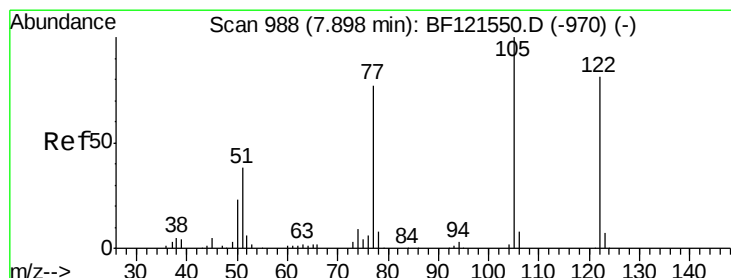
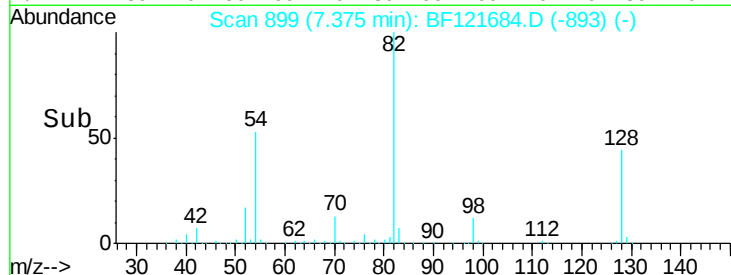
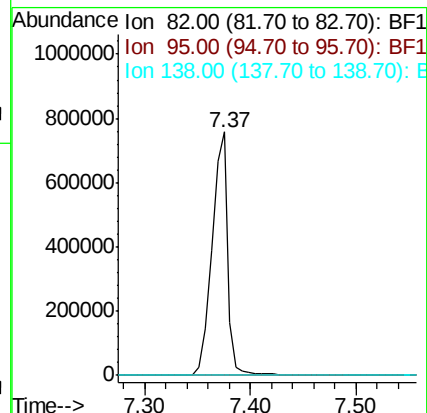
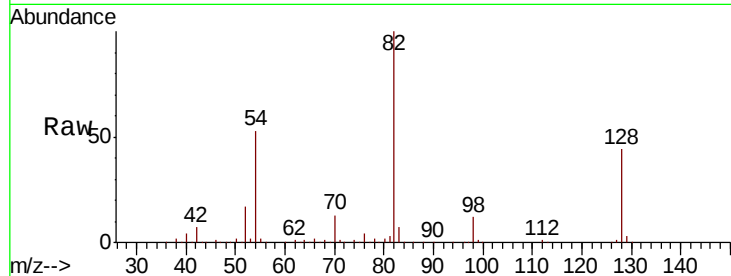
Tot Ion: 82 Resp: 779877

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.2 19.8#



#32

Benzoic acid

Concen: 13.886 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.21 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

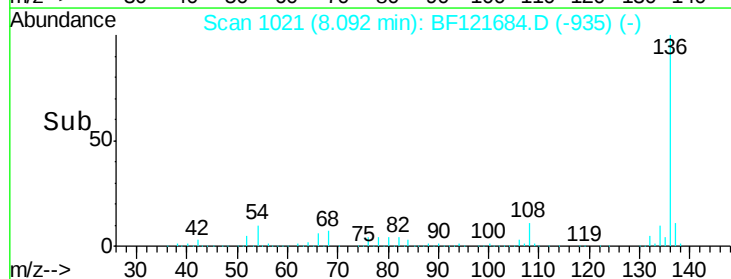
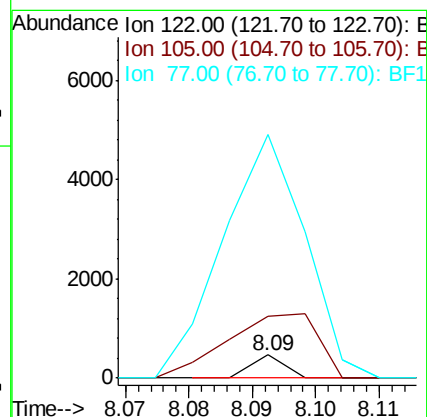
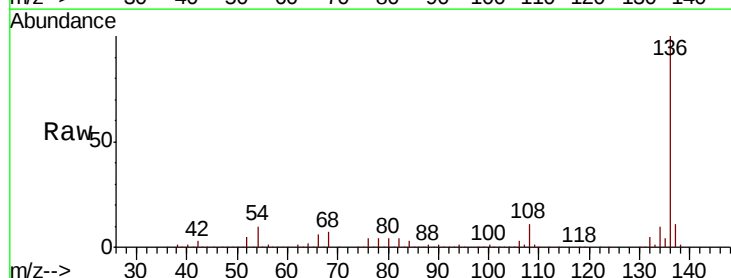
Tgt Ion: 122 Resp: 163

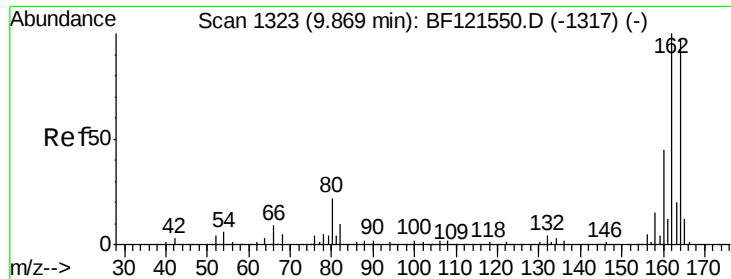
Ion Ratio Lower Upper

122 100

105 272.3 101.9 141.9#

77 1063.0 69.0 109.0#





#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Instrument :

BNA_F

ClientSampleId :

CS-33

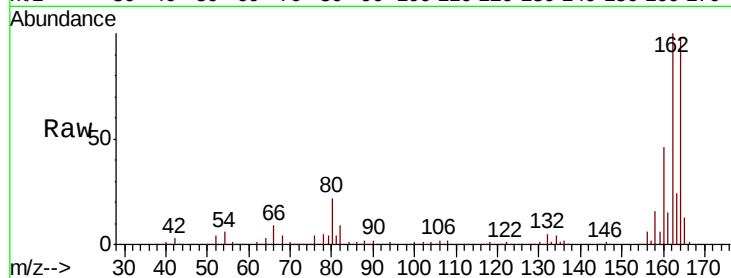
Tot Ion:164 Resp: 827806

Ion Ratio Lower Upper

164 100

162 102.3 81.2 121.8

160 47.4 36.2 54.4

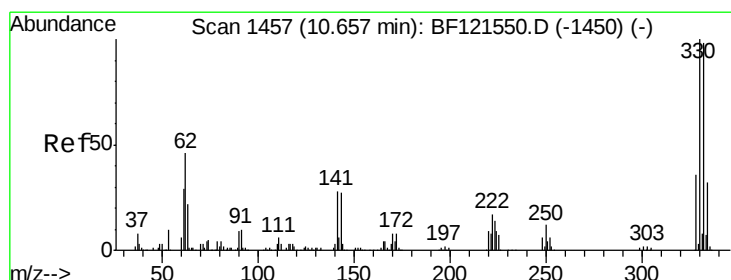
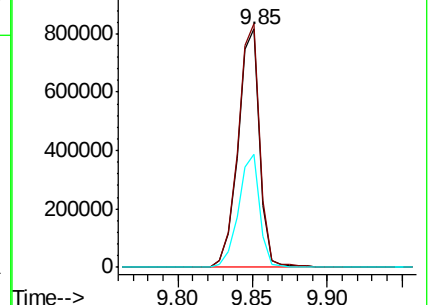
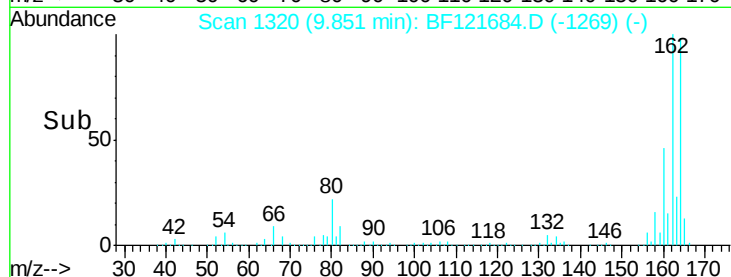


Abundance Ion 164.00 (163.70 to 164.70): E

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: 63.566 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

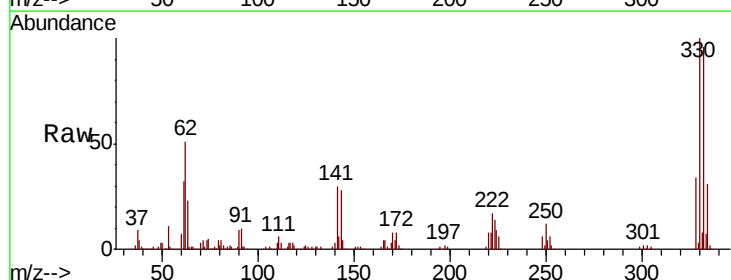
Tgt Ion:330 Resp: 327002

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 28.5 22.4 33.6

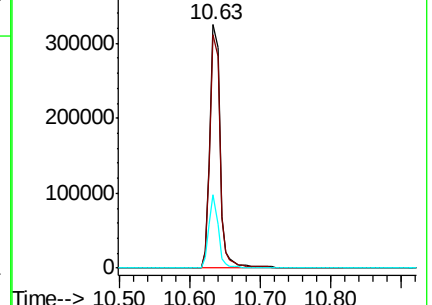
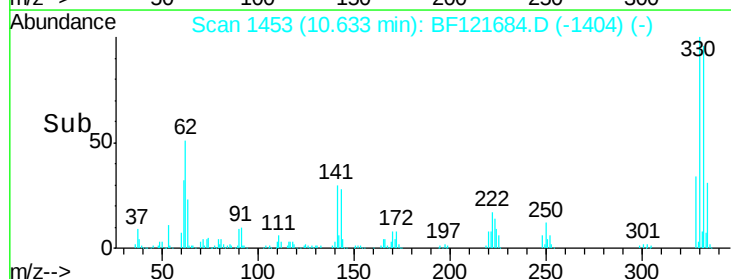


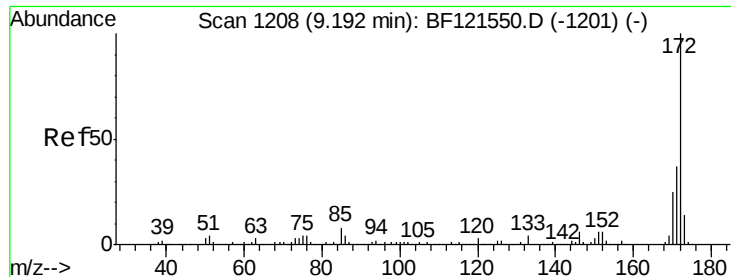
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->



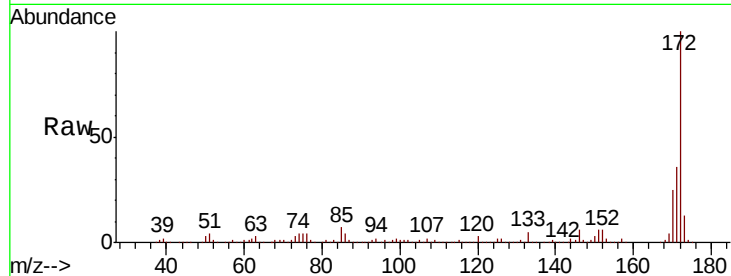


#45
 2-Fluorobiphenyl
 Concen: 52.341 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121684.D
 Acq: 24 Sep 2020 16:19

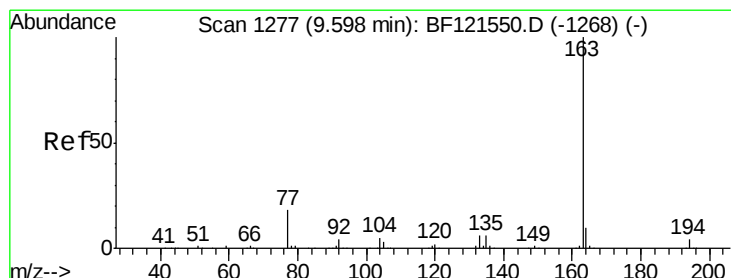
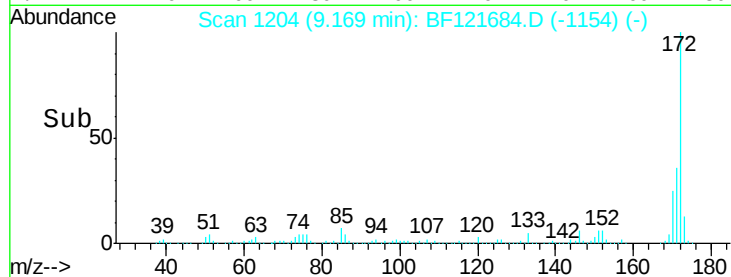
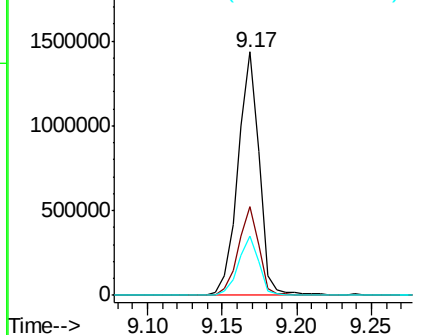
Instrument :
 BNA_F
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 CS-33

Tot Ion:172 Resp: 1430423

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.6	19.5	29.3



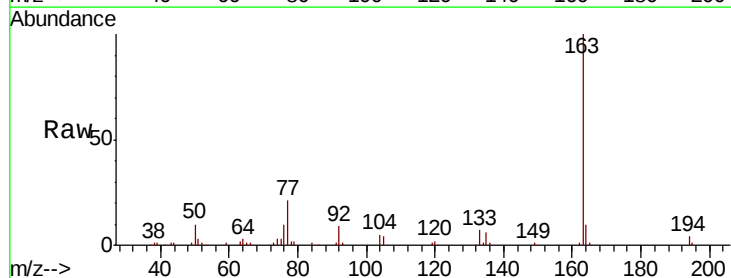
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



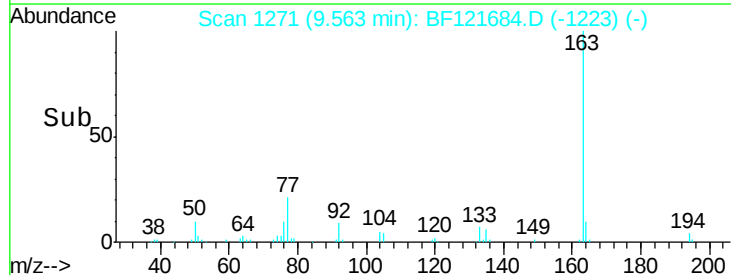
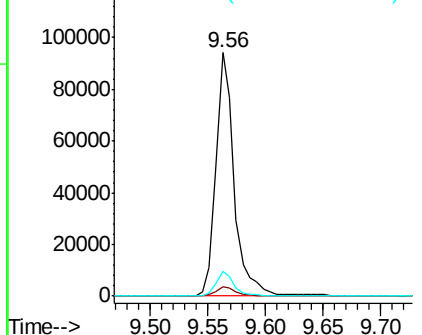
#50
 Dimethylphthalate
 Concen: 3.462 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF121684.D
 Acq: 24 Sep 2020 16:19

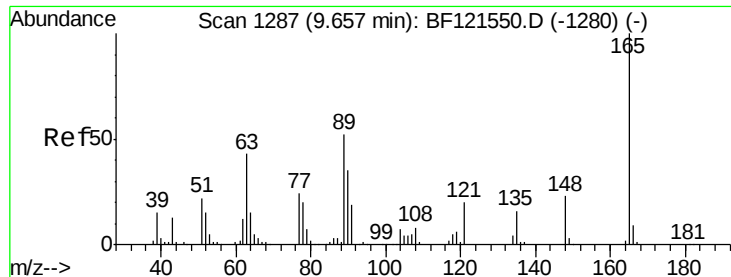
Tgt Ion:163 Resp: 103859

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.1	8.0	12.0



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

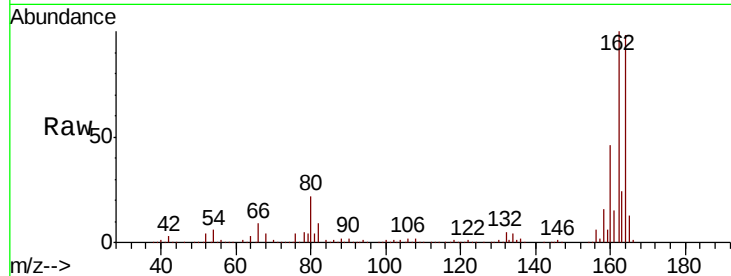




#51
 2,6-Dinitrotoluene
 Concen: 16.906 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF121684.D
 Acq: 24 Sep 2020 16:19

Instrument :
 BNA_F
 ClientSampled :
 CS-33

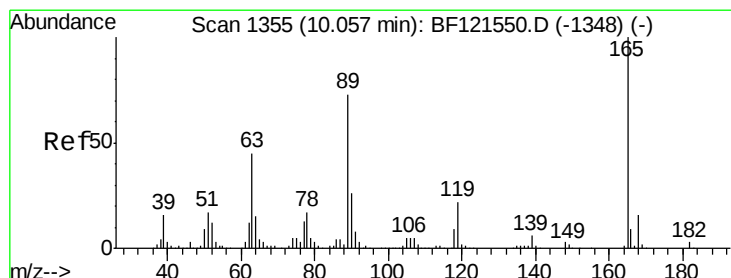
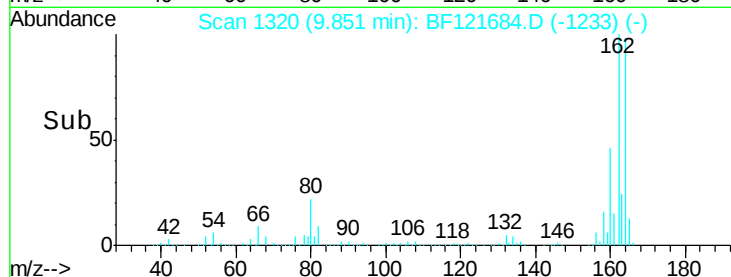
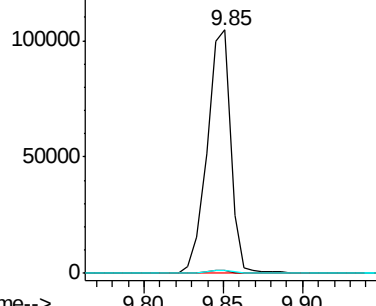
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	47.6	71.4#
89	1.3	46.0	69.0#



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



#57
 2,4-Dinitrotoluene
 Concen: 13.438 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF121684.D
 Acq: 24 Sep 2020 16:19

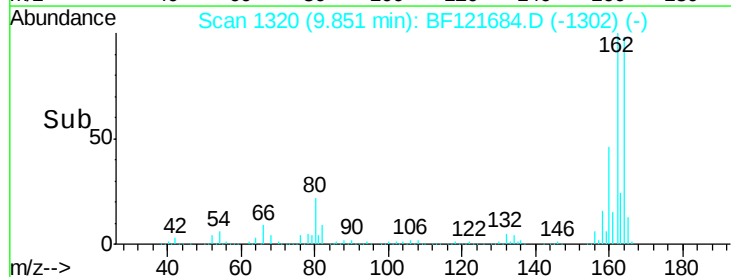
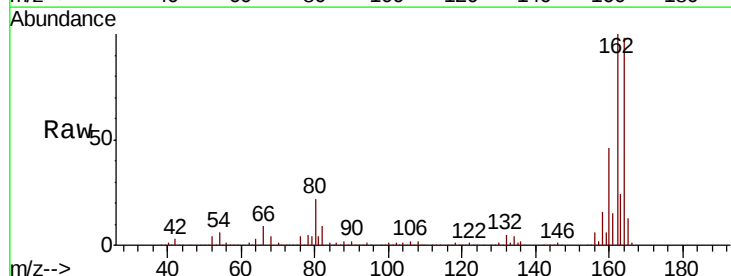
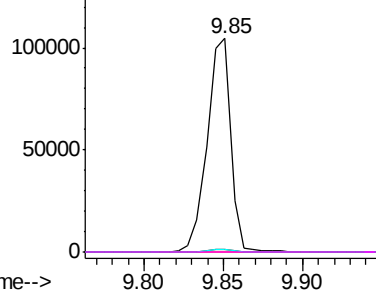
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.3	57.7	86.5#
182	0.0	2.1	3.1#

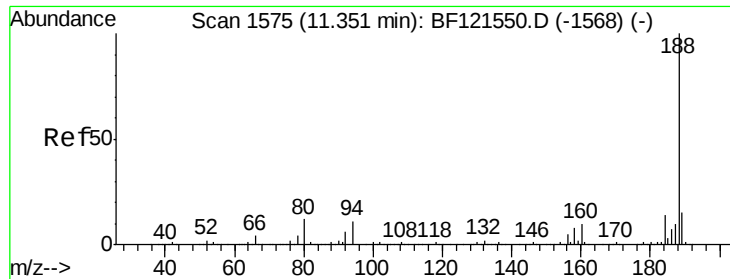
Abundance Ion 165.00 (164.70 to 165.70): E

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: 40.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Instrument :

BNA_F

ClientSampled :

CS-33

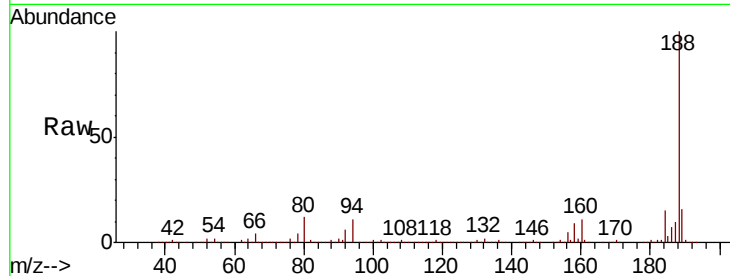
Tot Ion:188 Resp: 1613959

Ion Ratio Lower Upper

188 100

94 11.1 8.4 12.6

80 12.2 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.33

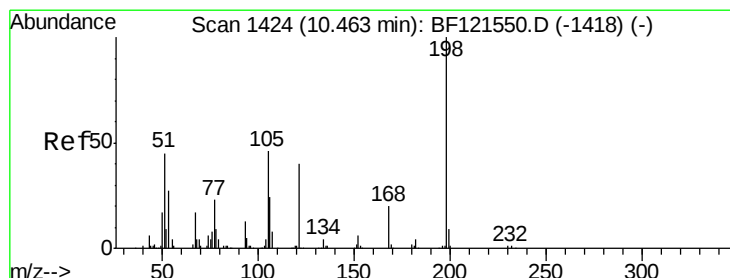
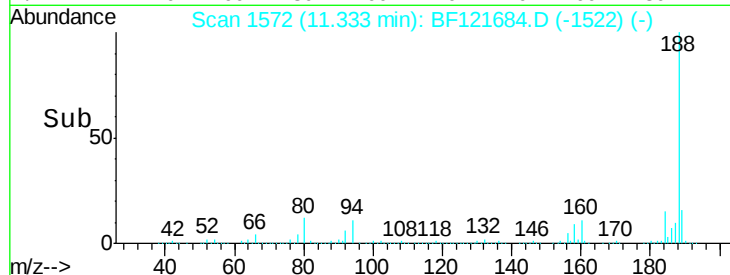
1500000

1000000

500000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 13.817 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

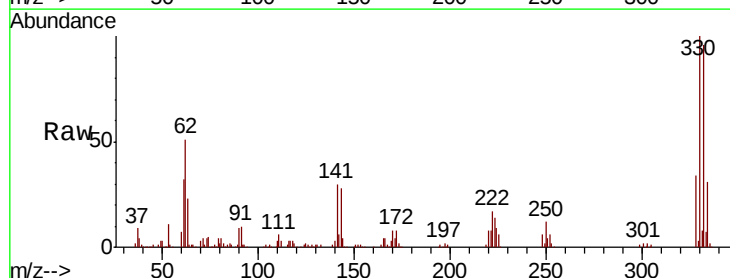
Tgt Ion:198 Resp: 651

Ion Ratio Lower Upper

198 100

51 172.1 20.3 60.3#

105 162.0 20.2 60.2#



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

2000

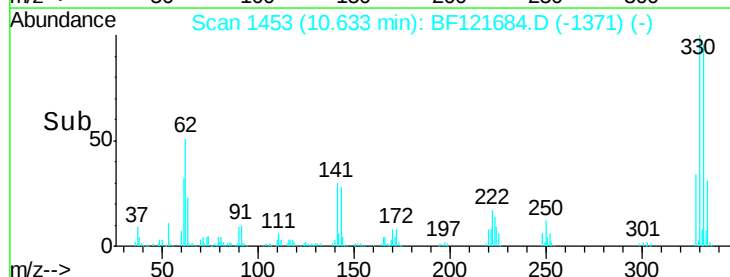
1500

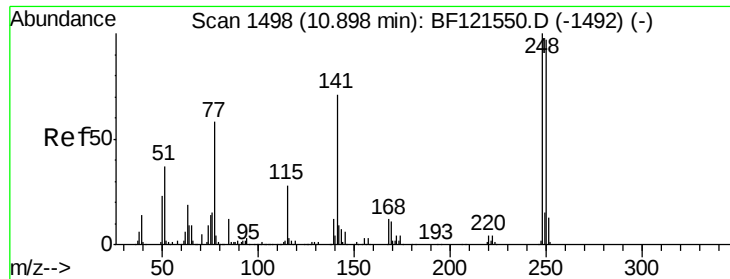
1000

500

0

Time-->

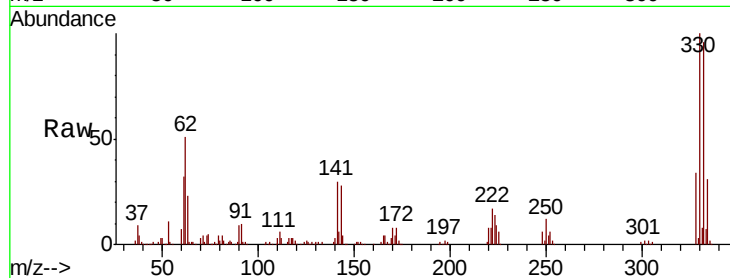




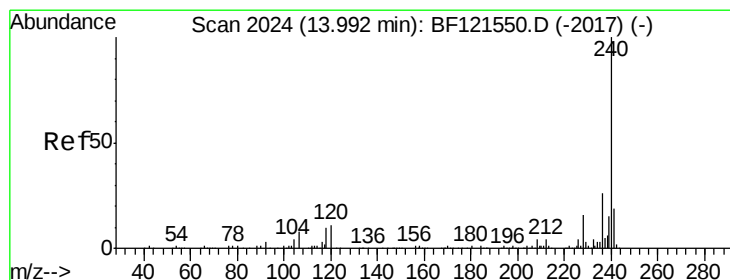
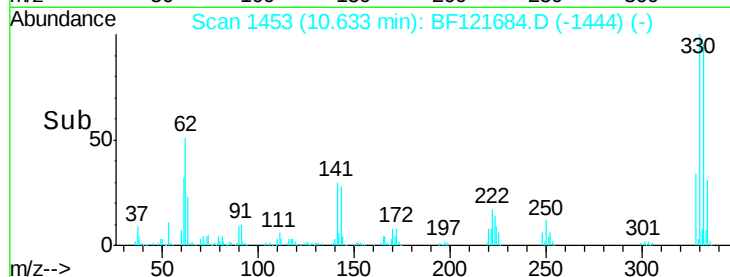
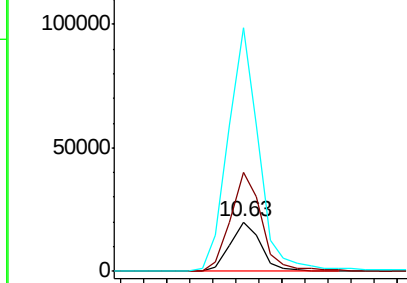
#67
4-Bromophenyl-phenylether
Concen: 2.019 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121684.D
Acq: 24 Sep 2020 16:19

Instrument :
BNA_F
ClientSampled :
CS-33

Tot Ion:248 Resp: 18552
Ion Ratio Lower Upper
248 100
250 202.3 79.4 119.0#
141 495.4 52.2 78.4#

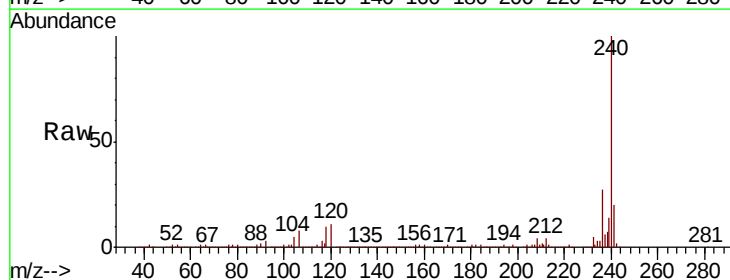


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

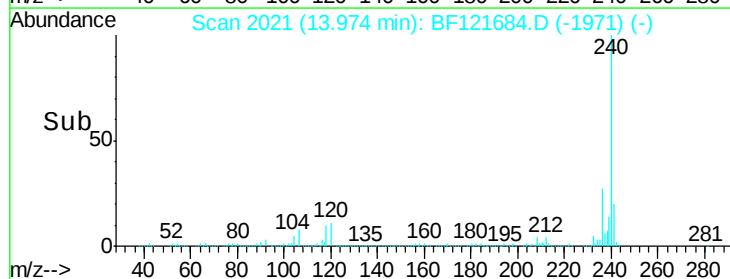
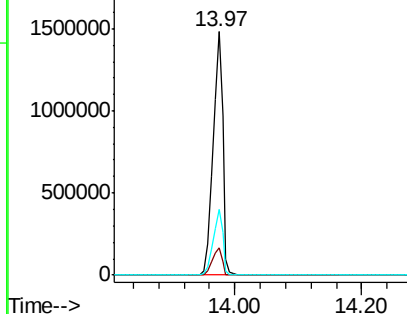


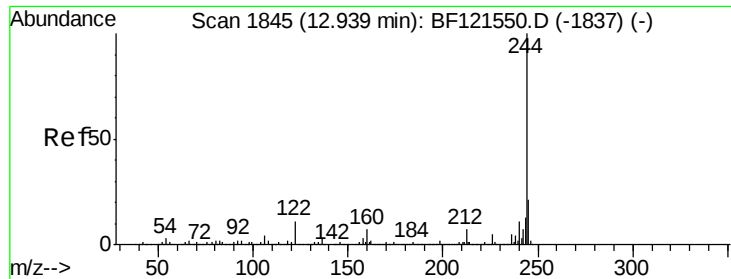
#76
Chrysene-d12
Concen: 40.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121684.D
Acq: 24 Sep 2020 16:19

Tgt Ion:240 Resp: 1587015
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 27.2 20.4 30.6



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





#79

Terphenyl-d14

Concen: 45.749 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

Instrument :

BNA_F

ClientSampleId :

CS-33

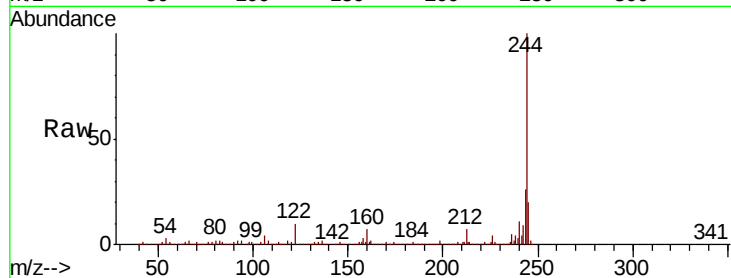
Tot Ion:244 Resp: 1791901

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

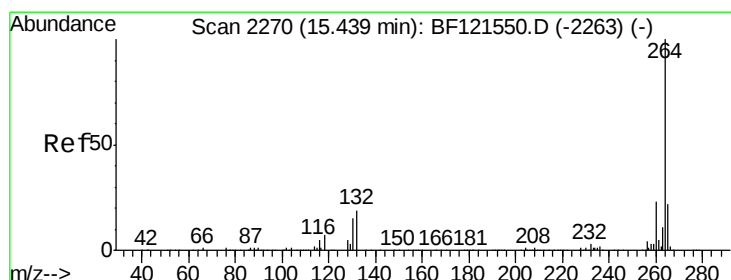
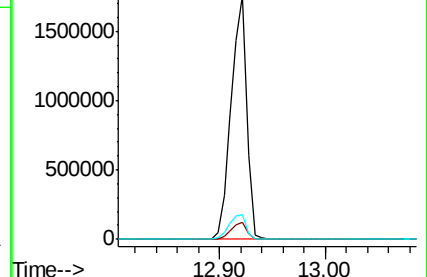
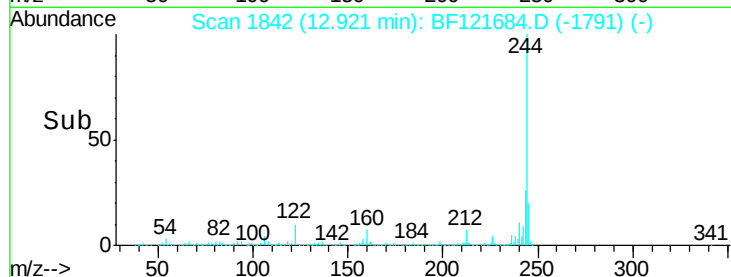
122 10.2 7.4 11.0



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

Perylene-d12

Concen: 40.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF121684.D

Acq: 24 Sep 2020 16:19

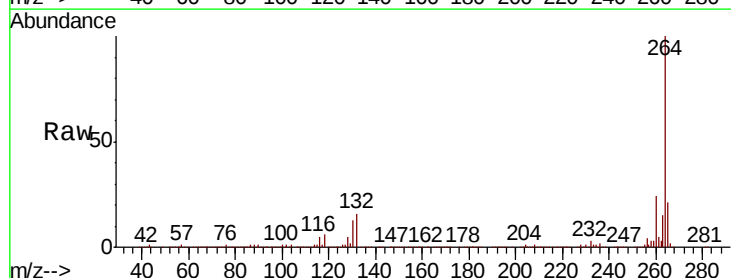
Tgt Ion:264 Resp: 1353050

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.5 17.3 25.9



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

