

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092420\
 Data File : BF121685.D
 Acq On : 24 Sep 2020 16:50
 Operator : JU/CG
 Sample : L4125-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 CS-35

Quant Time: Sep 24 18:57:42 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	408014	40.00	ng	0.00
21) Naphthalene-d8	8.09	136	1598285	40.00	ng	0.00
39) Acenaphthene-d10	9.85	164	845303	40.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1667927	40.00	ng	0.00
76) Chrysene-d12	13.97	240	1610201	40.00	ng	0.00
86) Perylene-d12	15.43	264	1319655	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	836511	60.94	ng	0.00
7) Phenol-d6	6.45	99	1062755	59.01	ng	0.00
23) Nitrobenzene-d5	7.37	82	734078	49.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	293524	55.88	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1331155	47.70	ng	0.00
79) Terphenyl-d14	12.92	244	1641185	41.30	ng	0.00

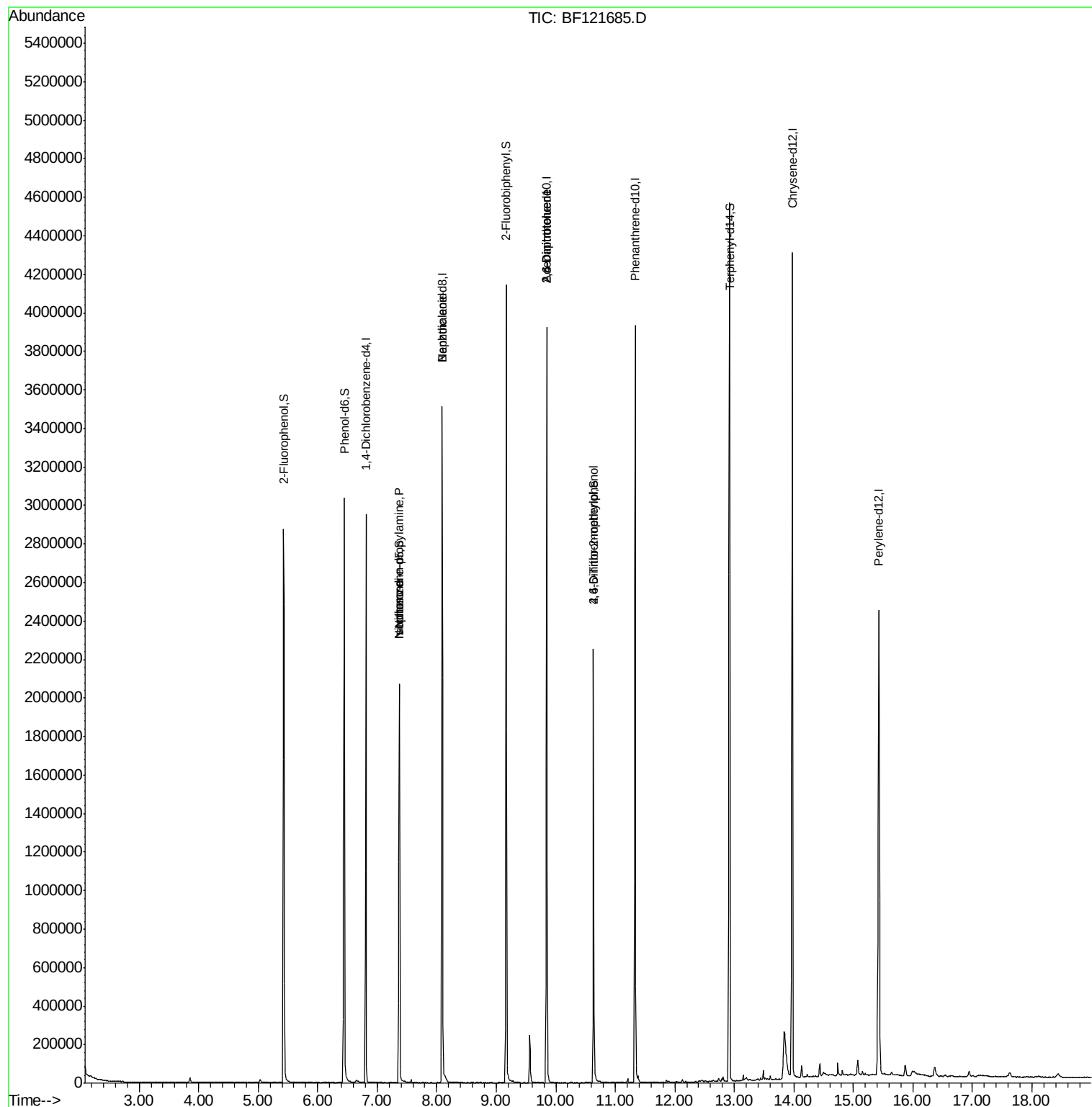
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	97668	9.410	ng	# 81
25) Isophorone	7.37	82	728093	24.301	ng	# 67
32) Benzoic acid	8.09	122	140	13.883	ng	# 1
50) Dimethylphthalate	9.56	163	117517	3.836	ng	99
51) 2,6-Dinitrotoluene	9.85	165	109220	16.742	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	109220	13.308	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.63	198	547	13.796	ng	# 1

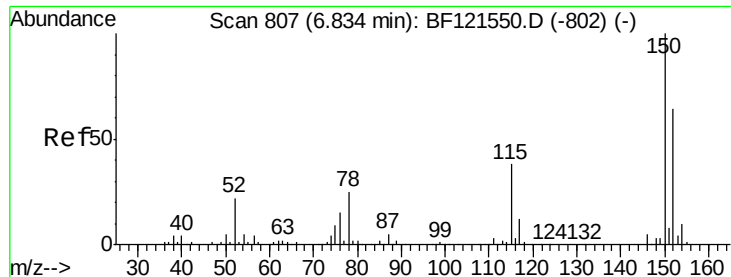
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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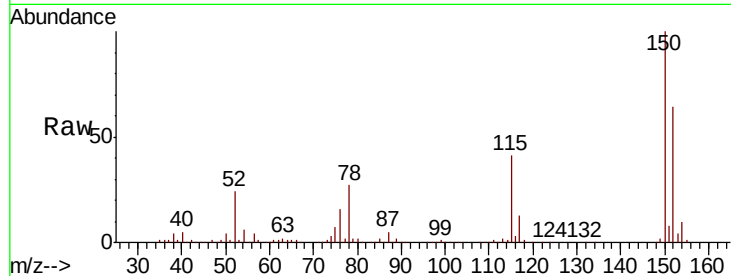


#1

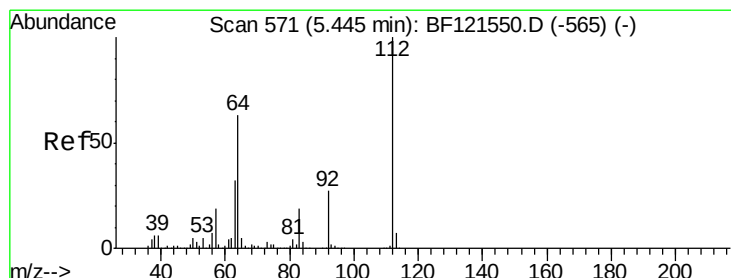
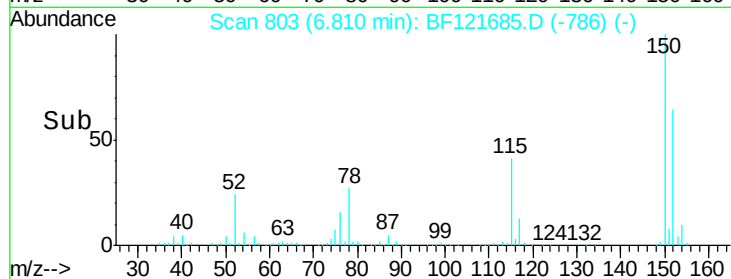
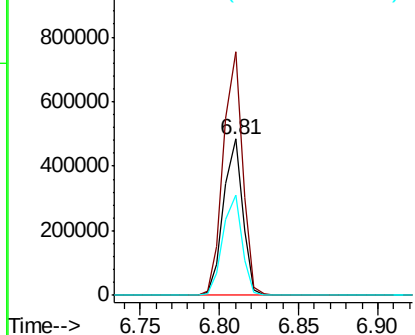
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF121685.D
Acq: 24 Sep 2020 16:50

Instrument :
BNA_F
ClientSampleId :
CS-35

Tot Ion:152 Resp: 408014
Ion Ratio Lower Upper
152 100
150 155.8 128.1 192.1
115 64.2 52.6 79.0



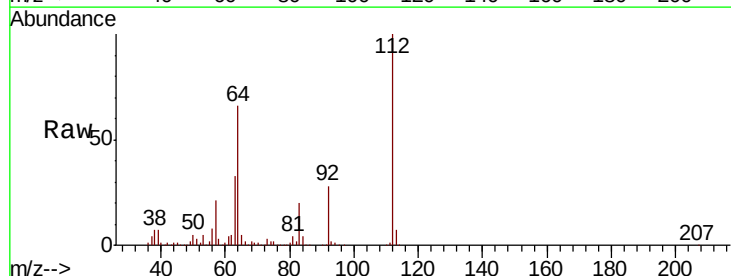
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



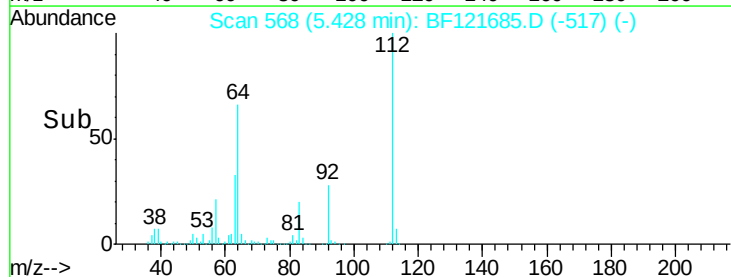
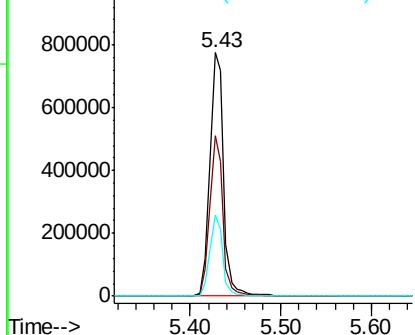
#5

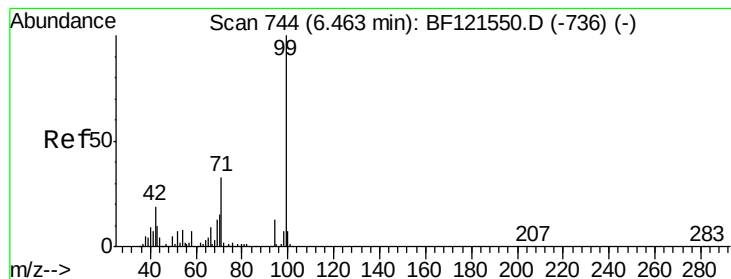
2-Fluorophenol
Concen: 60.937 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF121685.D
Acq: 24 Sep 2020 16:50

Tgt Ion:112 Resp: 836511
Ion Ratio Lower Upper
112 100
64 65.7 52.2 78.2
63 33.1 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: 59.011 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

Instrument :

BNA_F

ClientSampled :

CS-35

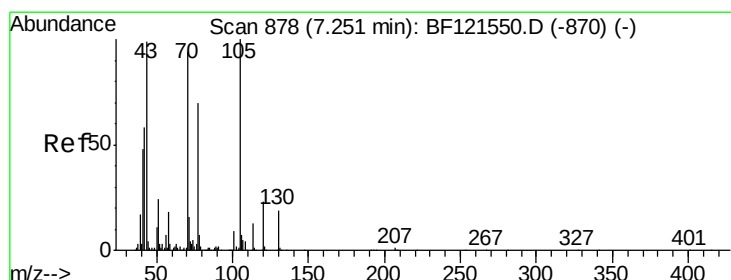
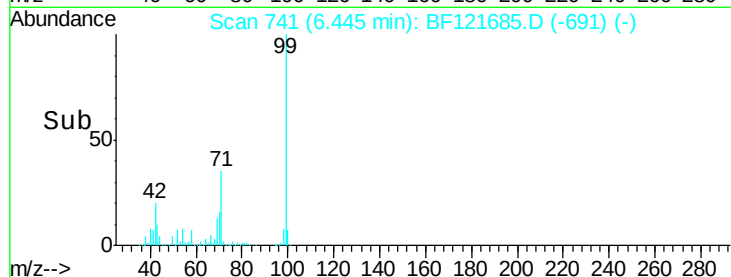
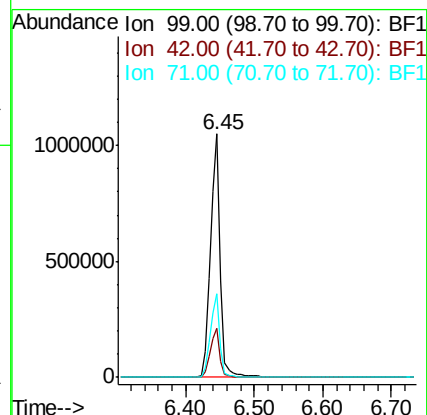
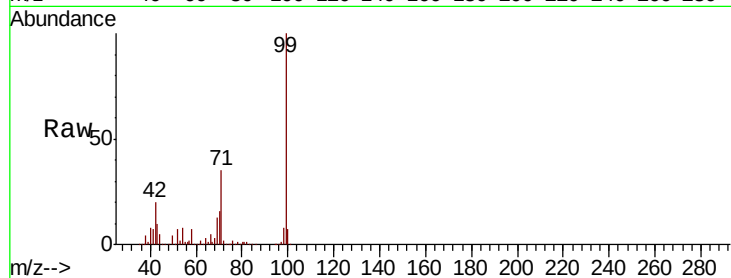
Tot Ion: 99 Resp: 1062755

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 34.6 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.410 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

Tgt Ion: 70 Resp: 97668

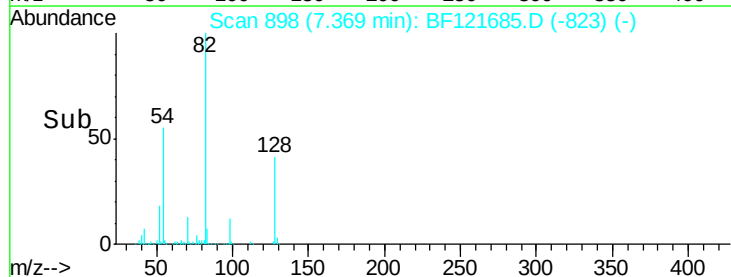
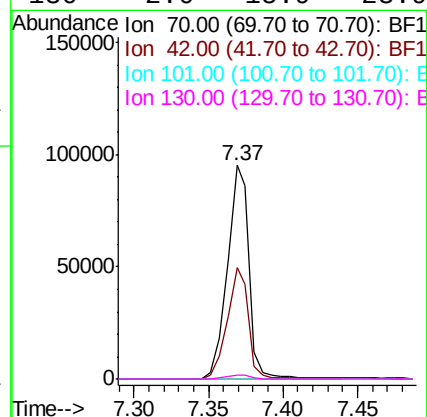
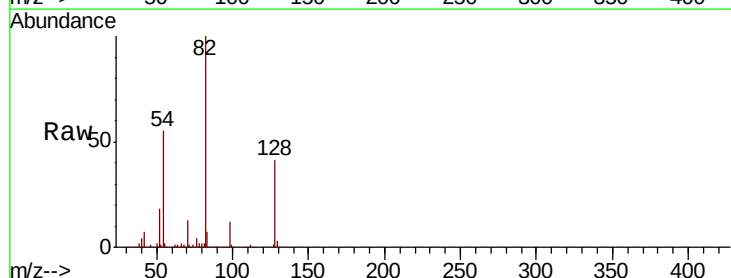
Ion Ratio Lower Upper

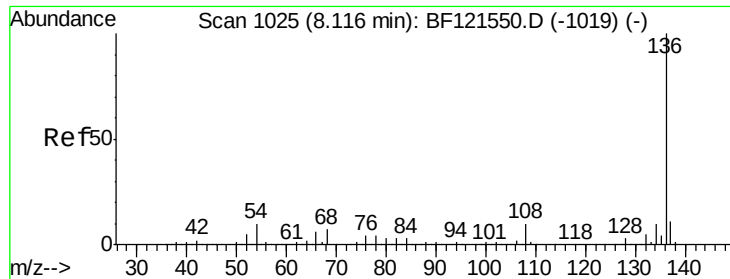
70 100

42 52.1 48.3 72.5

101 0.0 7.6 11.4#

130 2.0 15.9 23.9#



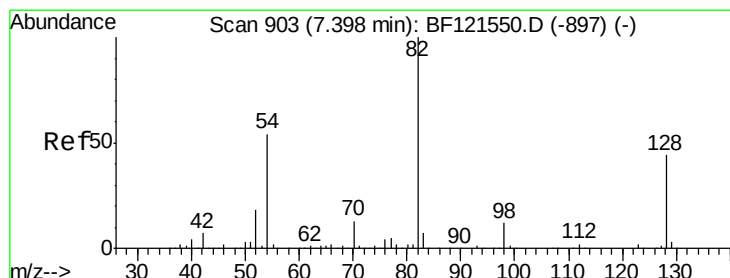
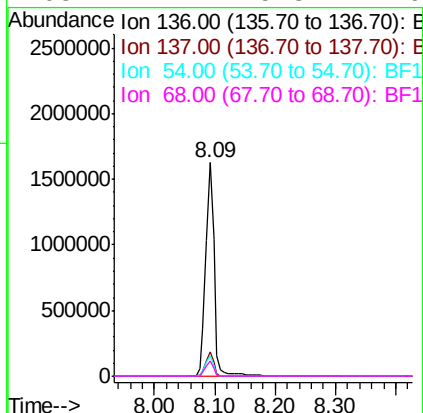
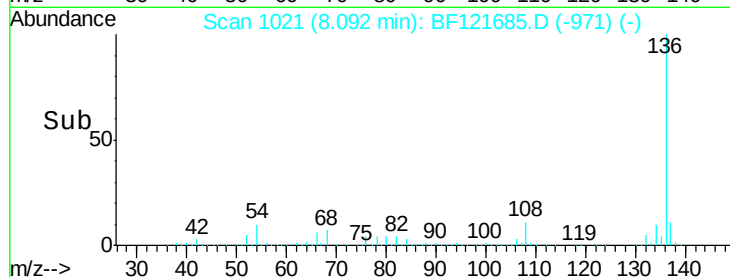
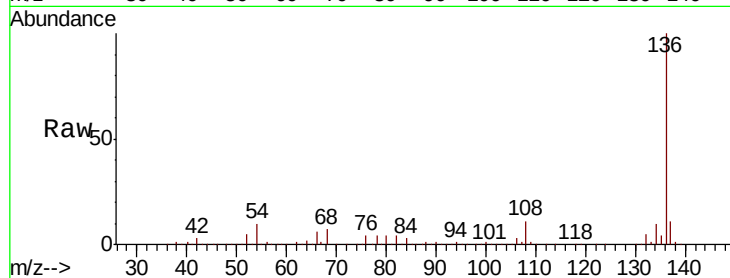


#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121685.D
Acq: 24 Sep 2020 16:50

Instrument :
BNA_F
ClientSampled :
CS-35

Tot Ion:136 Resp: 1598285

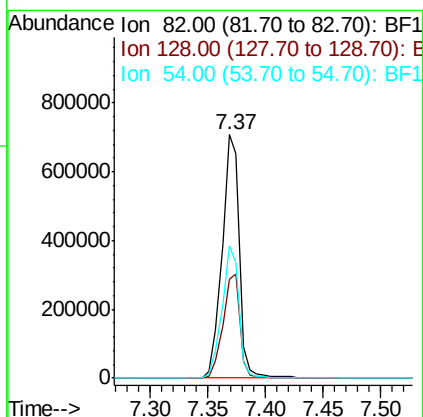
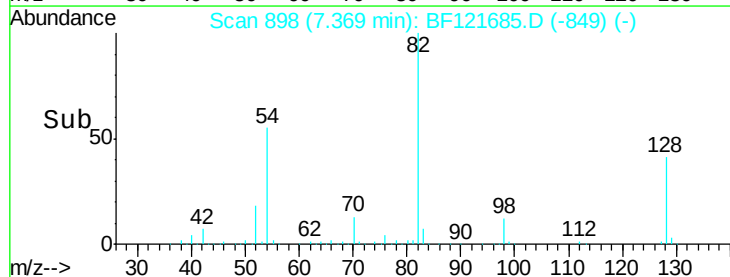
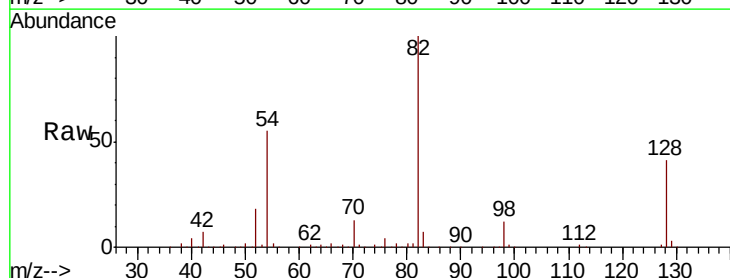
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.8	7.4	11.0
68	7.1	5.3	7.9

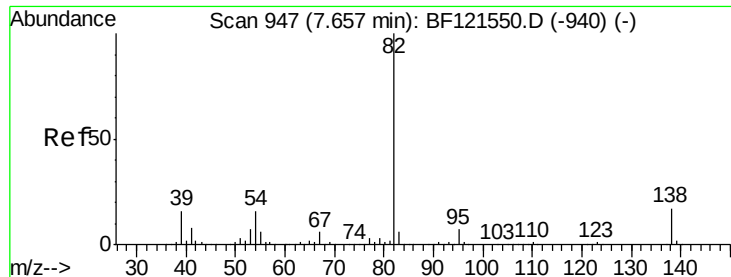


#23
Nitrobenzene-d5
Concen: 49.320 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF121685.D
Acq: 24 Sep 2020 16:50

Tgt Ion: 82 Resp: 734078

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.9	50.9
54	54.6	42.9	64.3





#25

Isophorone

Concen: 24.301 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

Instrument :

BNA_F

ClientSampleID :

CS-35

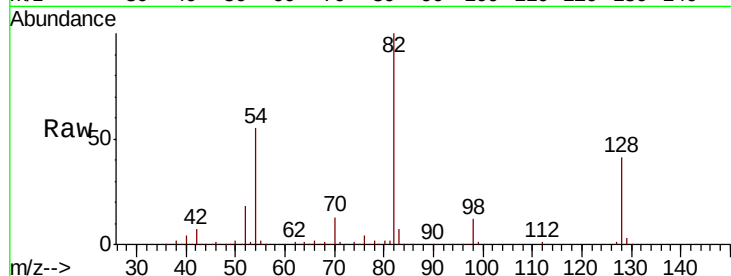
Tot Ion: 82 Resp: 728093

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

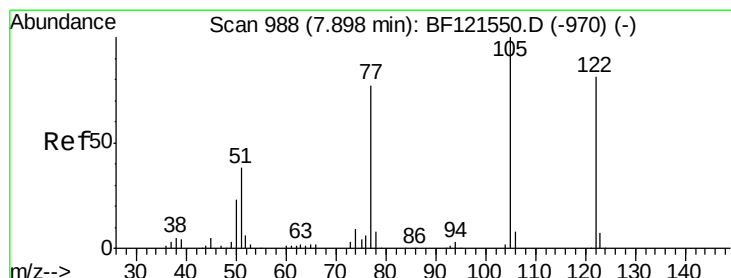
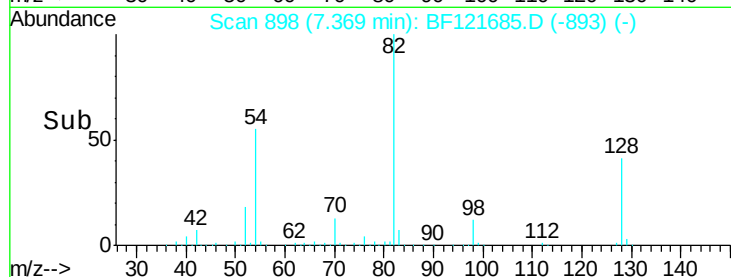
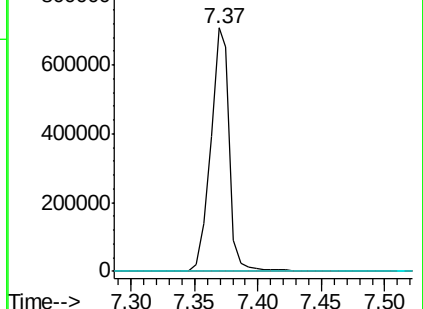
138 0.0 13.2 19.8#



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



#32

Benzoic acid

Concen: 13.883 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.21 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

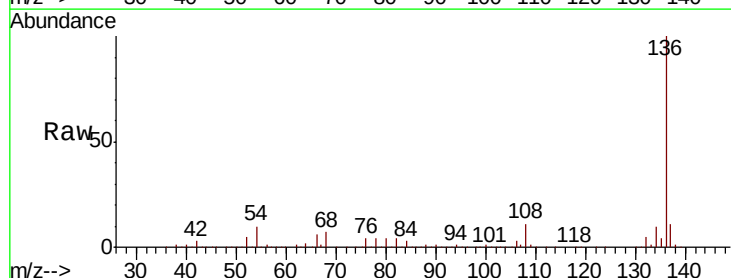
Tgt Ion:122 Resp: 140

Ion Ratio Lower Upper

122 100

105 369.2 101.9 141.9#

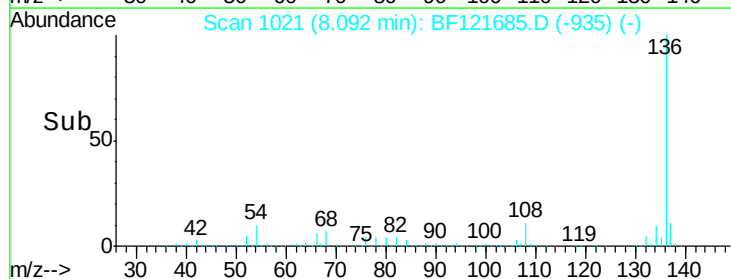
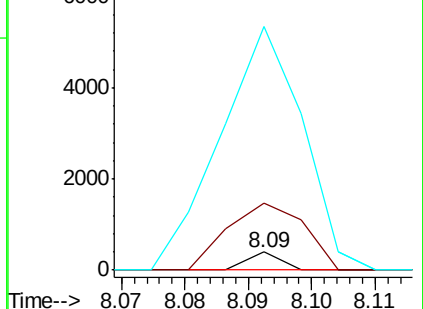
77 1348.5 69.0 109.0#

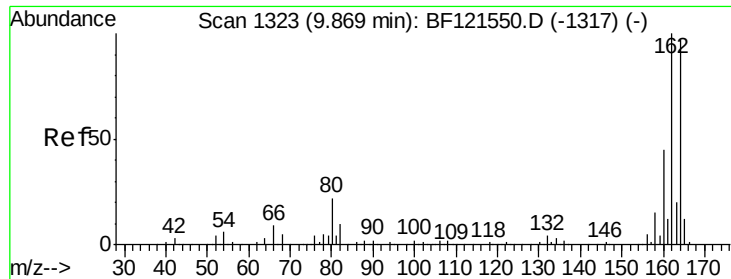


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

Instrument :

BNA_F

ClientSampleId :

CS-35

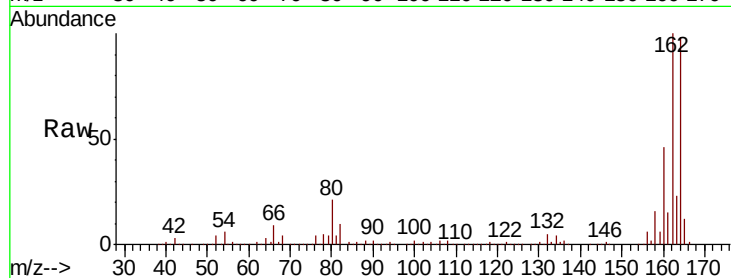
Tot Ion:164 Resp: 845303

Ion Ratio Lower Upper

164 100

162 102.5 81.2 121.8

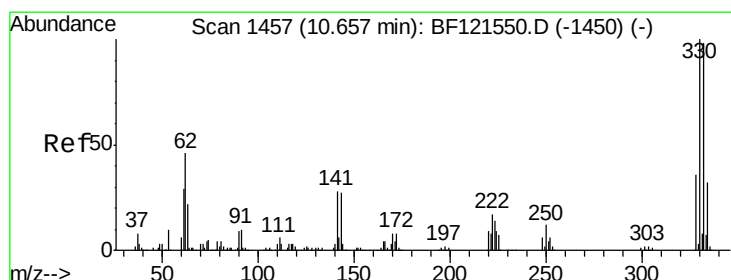
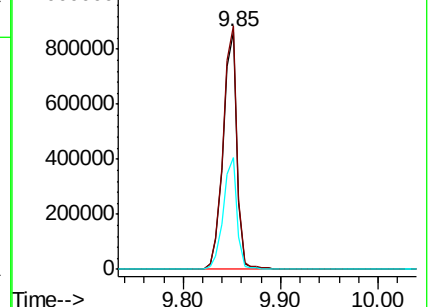
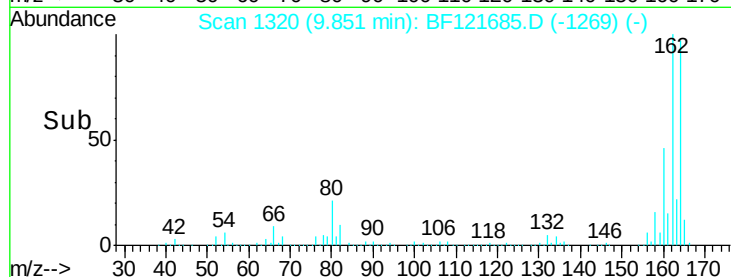
160 46.9 36.2 54.4



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



#42

2,4,6-Tribromophenol

Concen: 55.878 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

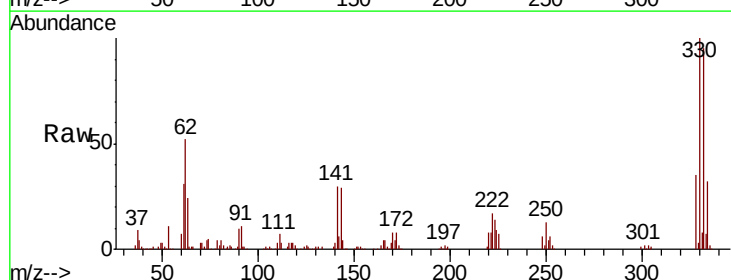
Tgt Ion:330 Resp: 293524

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

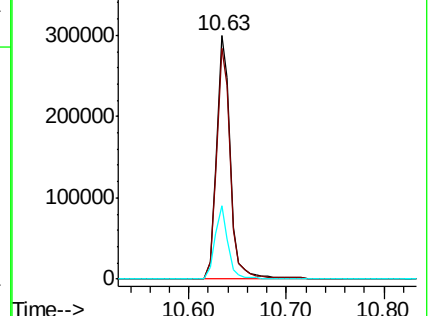
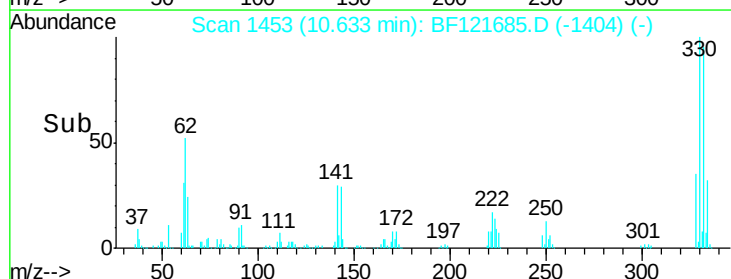
141 28.6 22.4 33.6

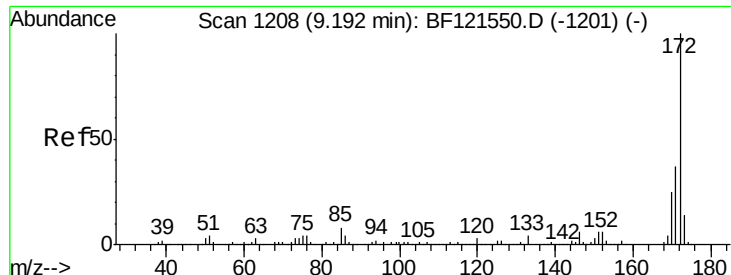


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

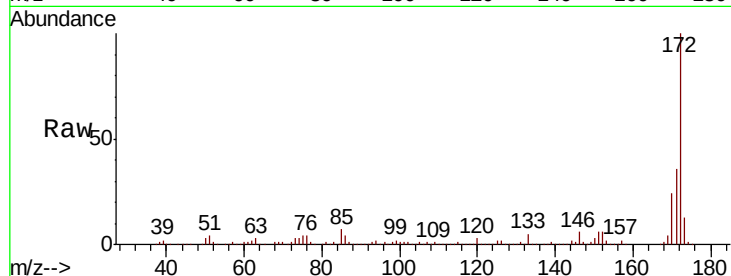




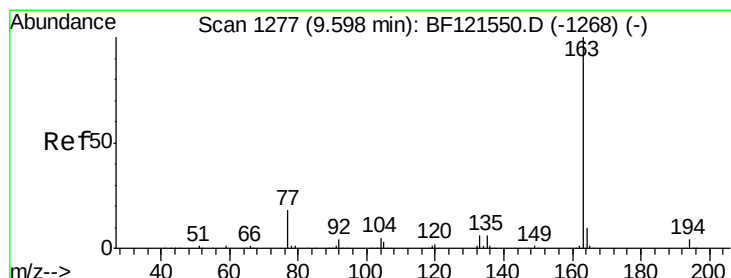
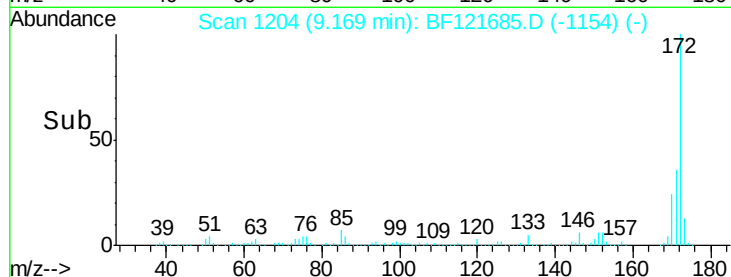
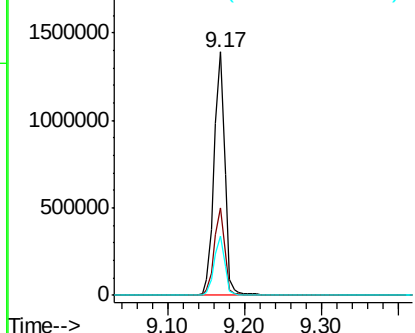
#45
2-Fluorobiphenyl
Concen: 47.701 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF121685.D
Acq: 24 Sep 2020 16:50

Instrument :
BNA_F
ClientSampleId :
CS-35

Tot Ion:172 Resp: 1331155
Ion Ratio Lower Upper
172 100
171 36.2 29.3 43.9
170 24.4 19.5 29.3

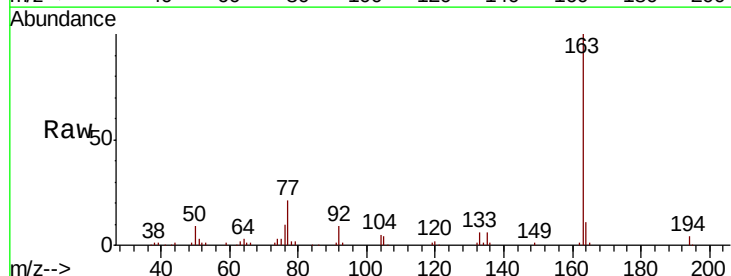


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

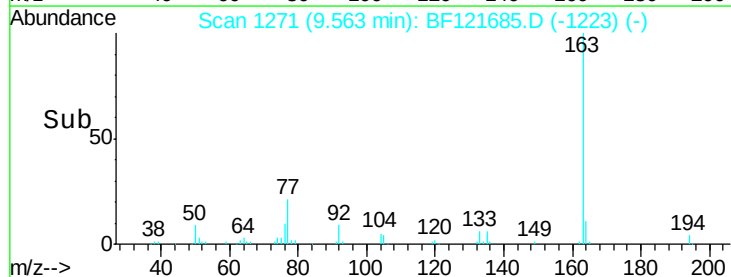
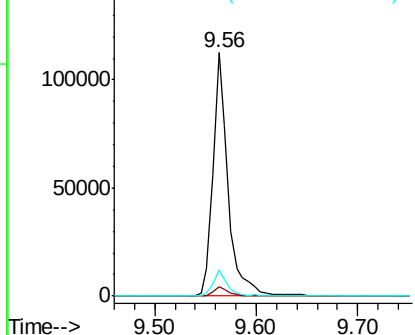


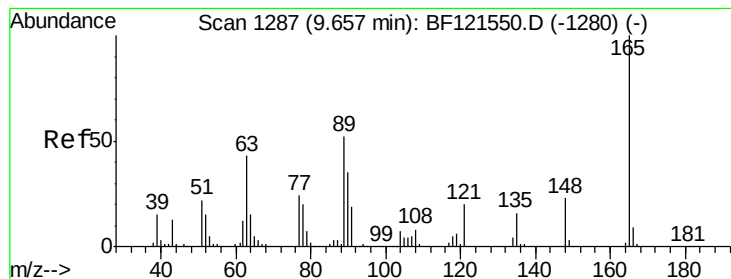
#50
Dimethylphthalate
Concen: 3.836 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121685.D
Acq: 24 Sep 2020 16:50

Tgt Ion:163 Resp: 117517
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.5 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: 16.742 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

Instrument :

BNA_F

ClientSampleId :

CS-35

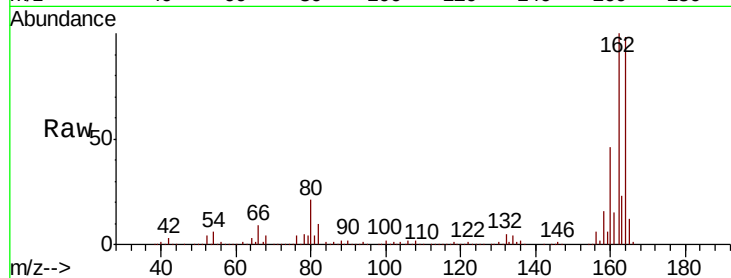
Tot Ion:165 Resp: 109220

Ion Ratio Lower Upper

165 100

63 1.3 47.6 71.4#

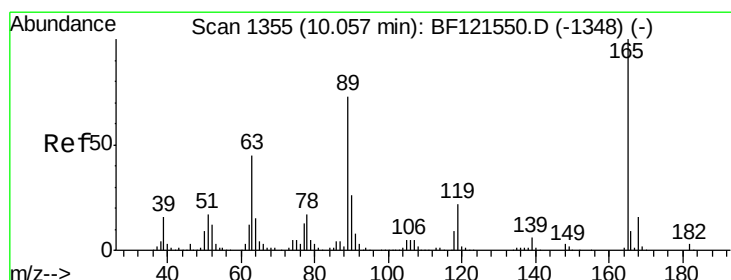
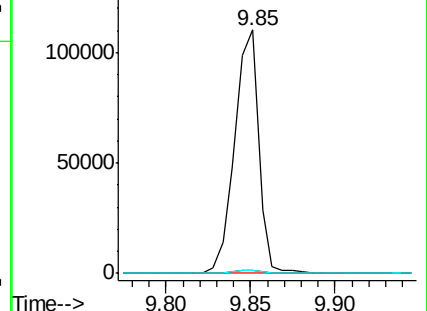
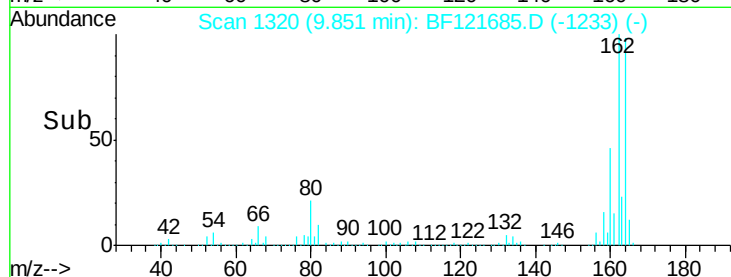
89 1.5 46.0 69.0#



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: 13.308 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

Tgt Ion:165 Resp: 109220

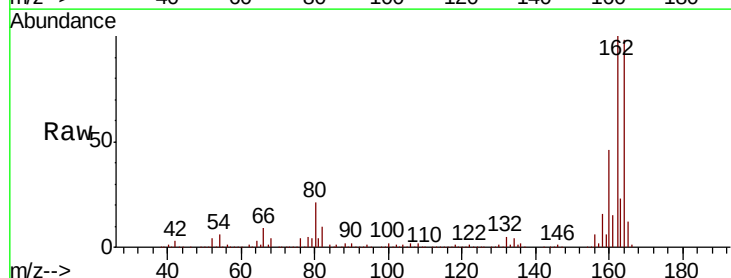
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.5 57.7 86.5#

182 0.0 2.1 3.1#

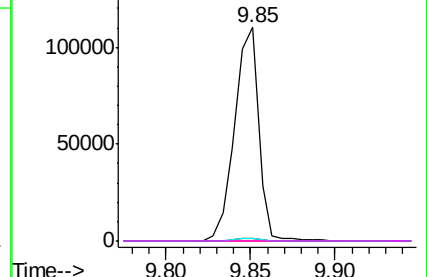
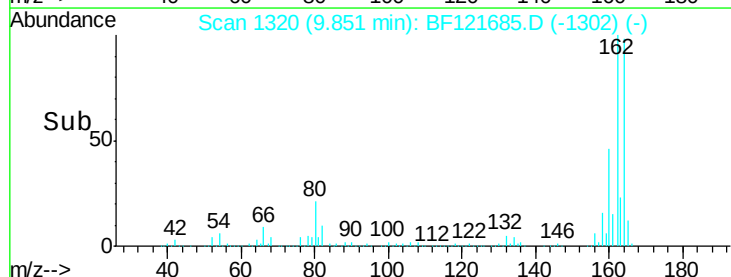


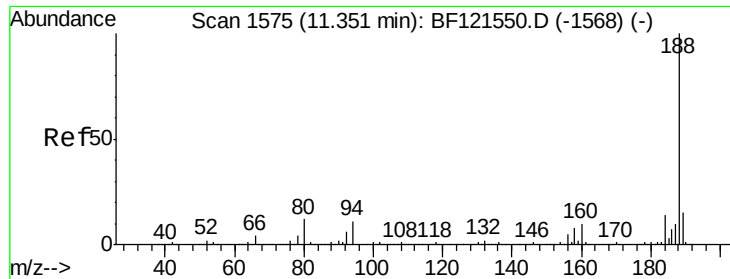
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF121685.D

Acq: 24 Sep 2020 16:50

Instrument :

BNA_F

ClientSampleId :

CS-35

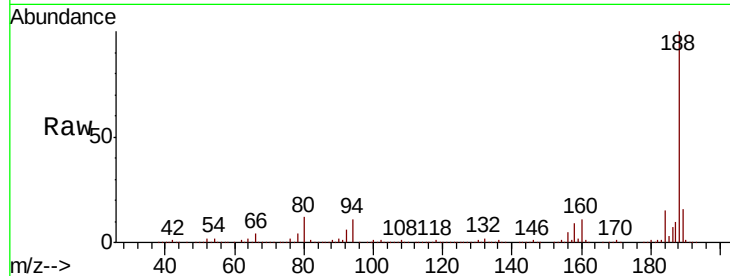
Tot Ion:188 Resp: 1667927

Ion Ratio Lower Upper

188 100

94 10.9 8.4 12.6

80 12.0 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

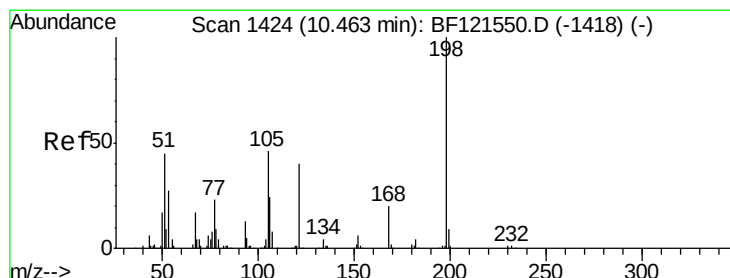
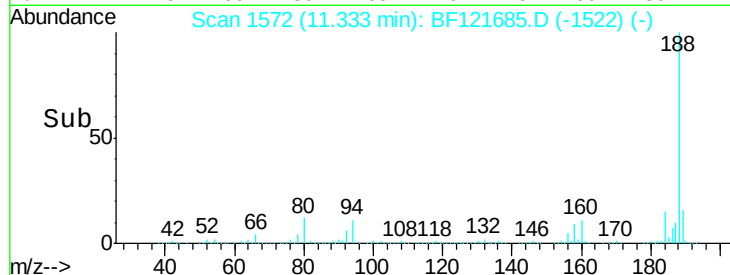
1500000

1000000

500000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 13.796 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF121685.D

Acq: 24 Sep 2020 16:50

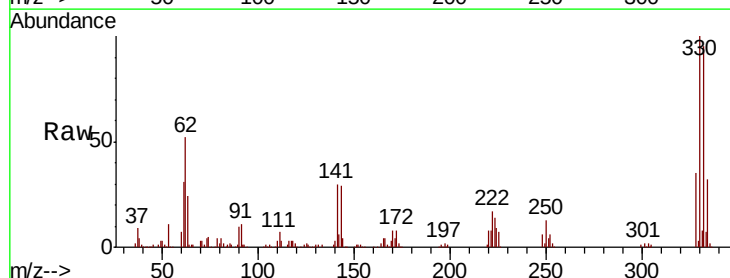
Tgt Ion:198 Resp: 547

Ion Ratio Lower Upper

198 100

51 217.7 20.3 60.3#

105 188.7 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

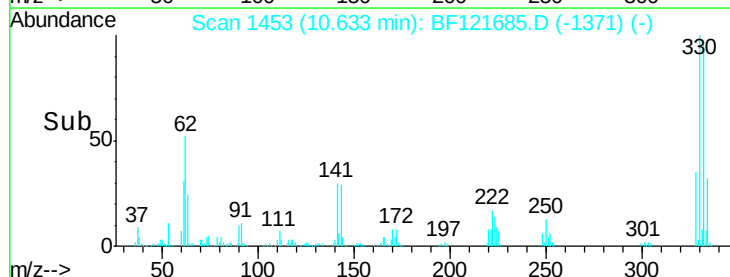
1500

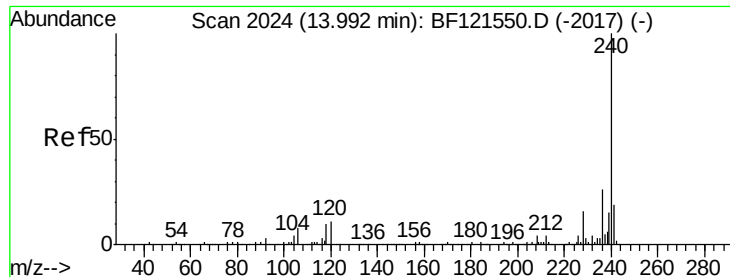
1000

500

0

Time-->

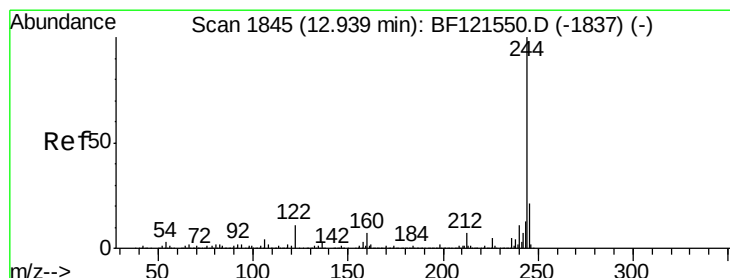
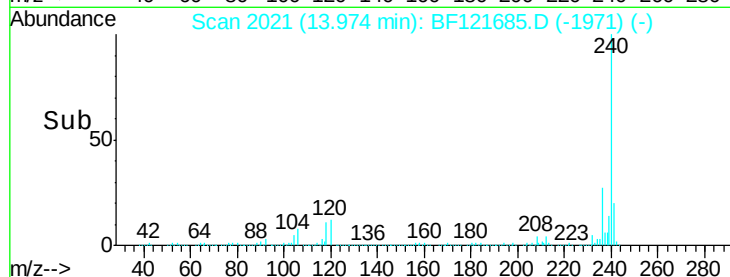
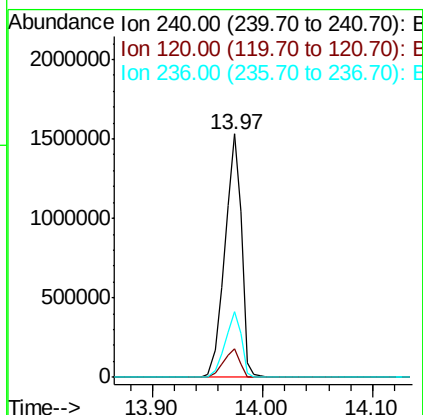
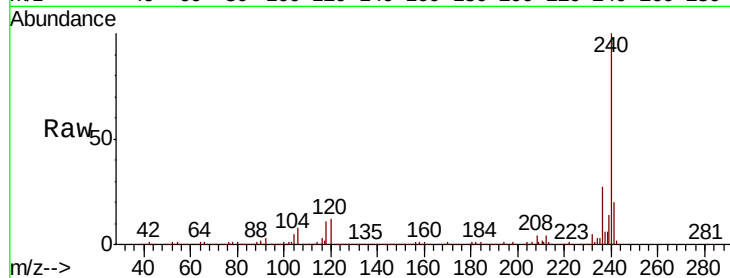




#76
 Chrysene-d12
 Concen: 40.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF121685.D
 Acq: 24 Sep 2020 16:50

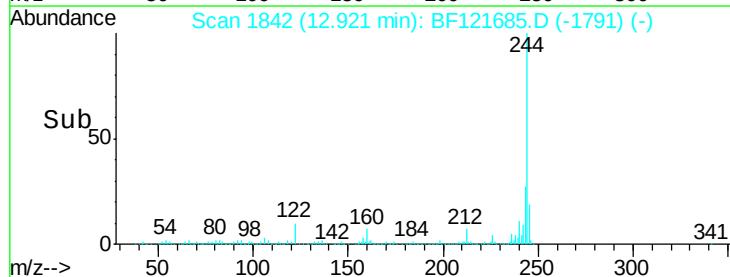
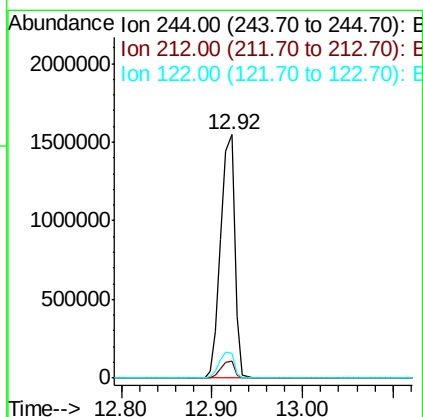
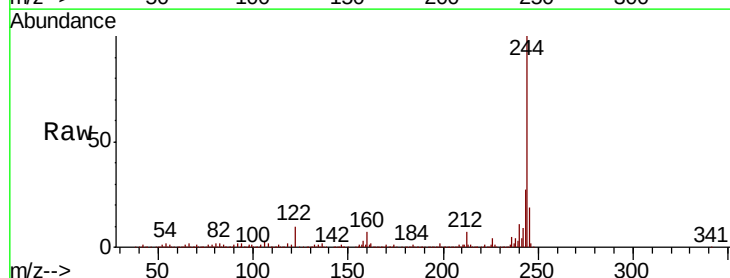
Instrument :
 BNA_F
 ClientSampleId :
 CS-35

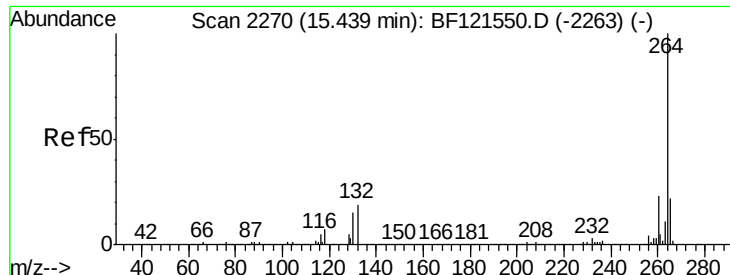
Tot Ion:240 Resp: 1610201
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.2 13.8
 236 27.1 20.4 30.6



#79
 Terphenyl-d14
 Concen: 41.298 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF121685.D
 Acq: 24 Sep 2020 16:50

Tgt Ion:244 Resp: 1641185
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 9.9 7.4 11.0

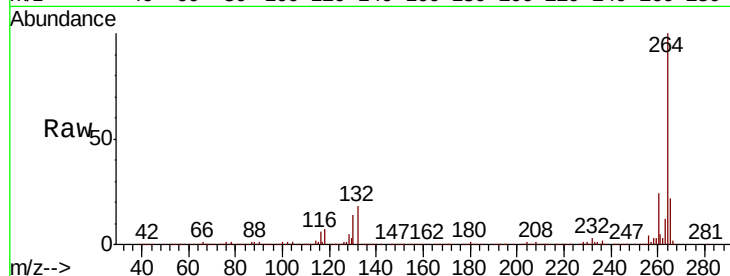




#86
 Pervlene-d12
 Concen: 40.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF121685.D
 Acq: 24 Sep 2020 16:50

Instrument :
 BNA_F
 ClientSampleId :
 CS-35

Tot Ion: 264 Resp: 1319655
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 22.0 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 1200000
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

