

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
 Data File : BF121292.D
 Acq On : 14 Aug 2020 18:50
 Operator : JU/CG
 Sample : L3681-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-4-9FT

Quant Time: Aug 17 00:54:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	76445	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	300787	20.00	ng	-0.02
39) Acenaphthene-d10	9.74	164	157689	20.00	ng	-0.02
64) Phenanthrene-d10	11.22	188	320029	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	303240	20.00	ng	-0.02
86) Perylene-d12	15.27	264	298028	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	559706	111.00	ng	0.00
7) Phenol-d6	6.34	99	682773	105.08	ng	-0.02
23) Nitrobenzene-d5	7.27	82	431723	78.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	213529	109.98	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	819018	71.85	ng	-0.01
79) Terphenyl-d14	12.81	244	939880	60.42	ng	-0.01

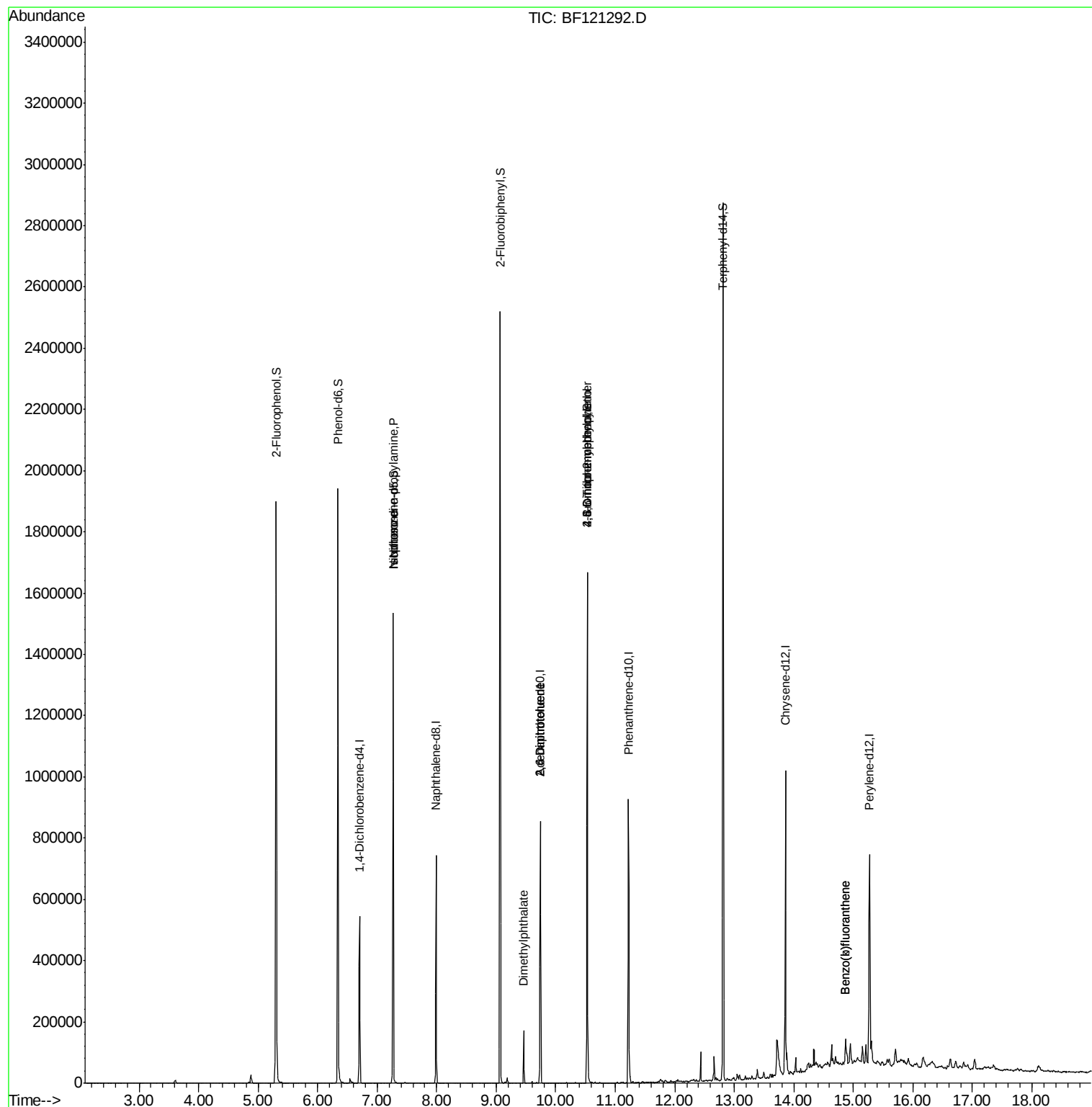
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	56062	15.529	ng	# 78
25) Isophorone	7.27	82	431714	39.070	ng	# 62
50) Dimethylphthalate	9.46	163	66535	5.607	ng	100
51) 2,6-Dinitrotoluene	9.74	165	19917	7.530	ng	# 25
57) 2,4-Dinitrotoluene	9.74	165	19917	5.738	ng	# 26
65) 4,6-Dinitro-2-methylphenol	10.53	198	313	6.072	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	12597	3.374	ng	# 1
88) Benzo(b)fluoranthene	14.87	252	49820	2.495	ng	# 97
89) Benzo(k)fluoranthene	14.87	252	49820	2.687	ng	98

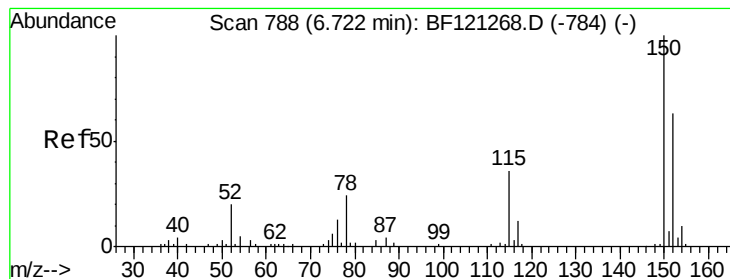
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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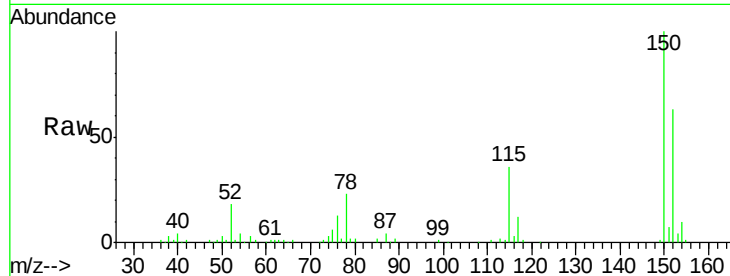


#1

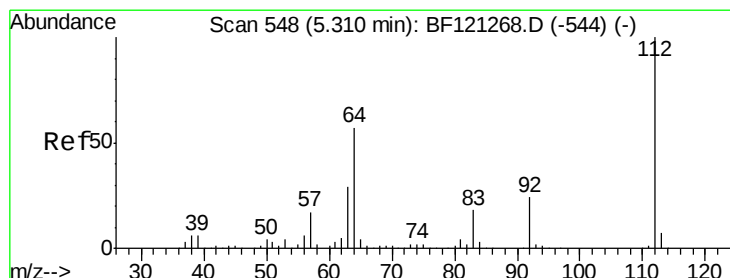
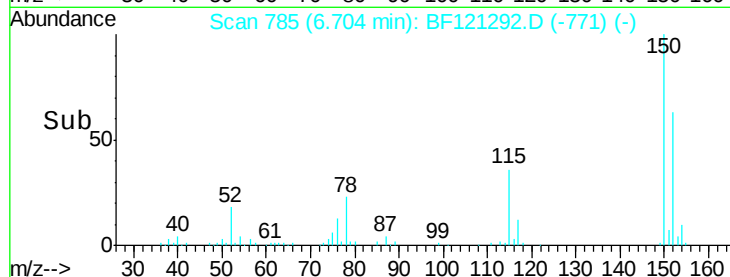
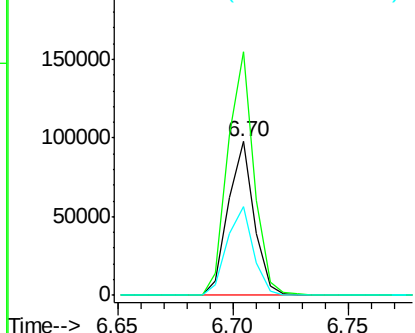
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Instrument :
BNA_F
ClientSampleId :
TP-6-4-9FT

Tot Ion:152 Resp: 76445
Ion Ratio Lower Upper
152 100
150 158.3 129.0 193.6
115 57.7 49.0 73.4



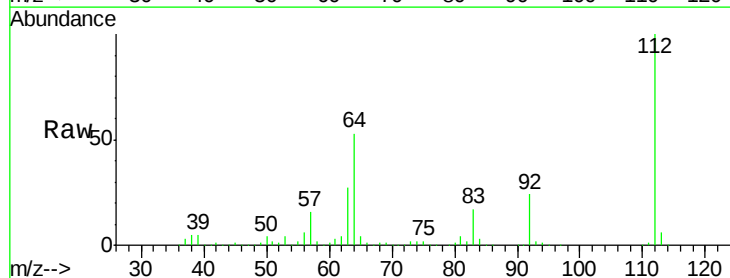
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



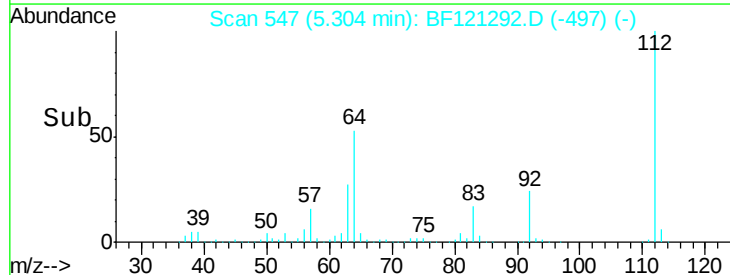
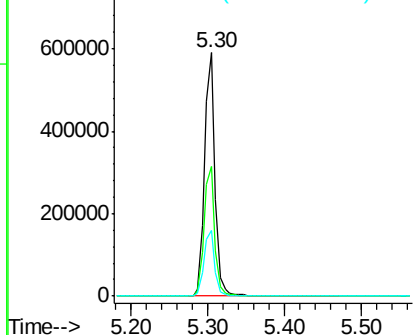
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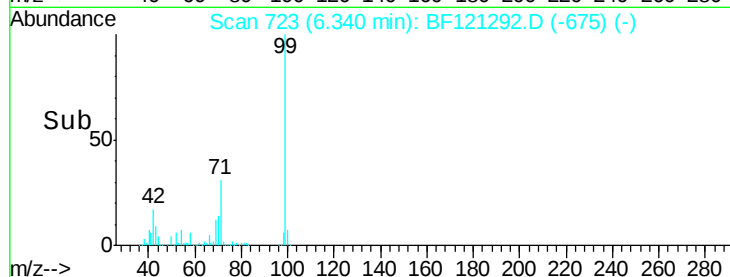
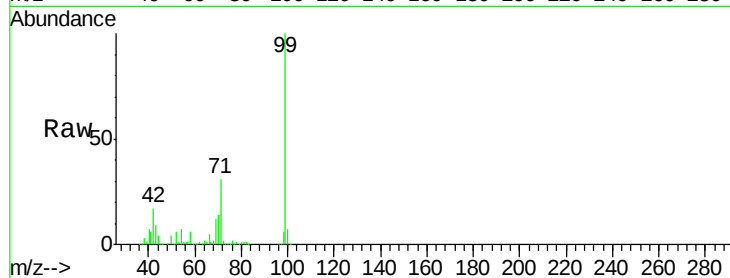
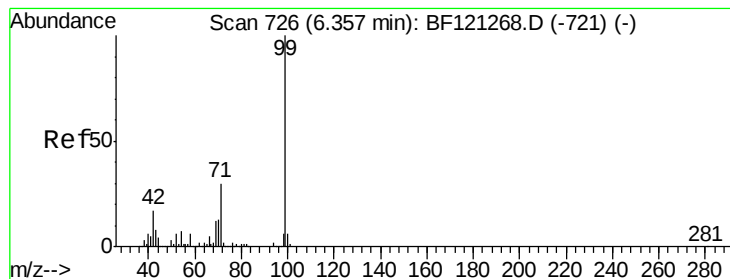
2-Fluorophenol
Concen: 111.001 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Tgt Ion:112 Resp: 559706
Ion Ratio Lower Upper
112 100
64 53.2 45.4 68.2
63 26.9 23.0 34.6



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: 105.079 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

Instrument :

BNA_F

ClientSampleId :

TP-6-4-9FT

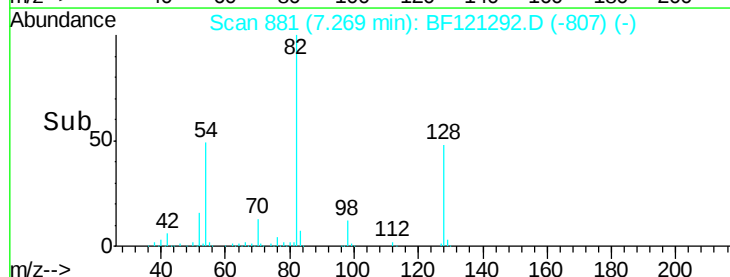
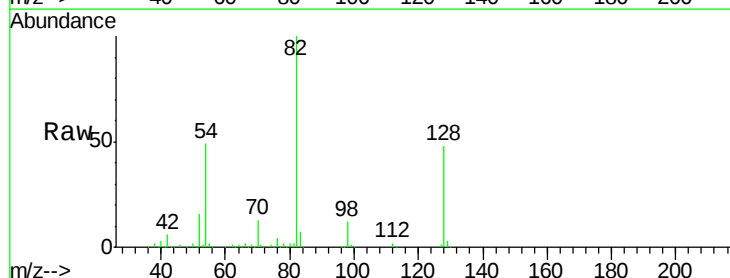
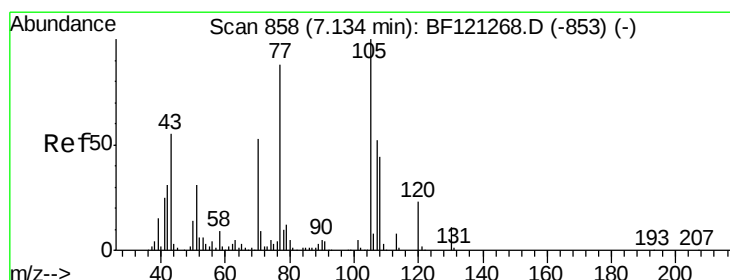
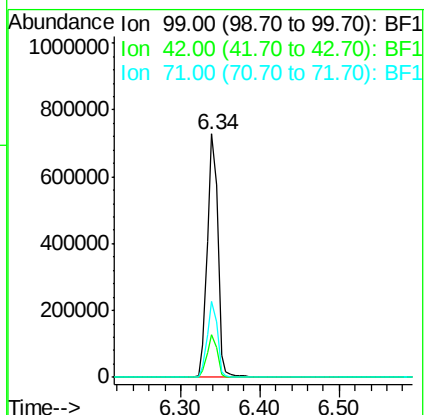
Tot Ion: 99 Resp: 682773

Ion Ratio Lower Upper

99 100

42 17.4 13.1 19.7

71 31.2 23.7 35.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.529 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

Tgt Ion: 70 Resp: 56062

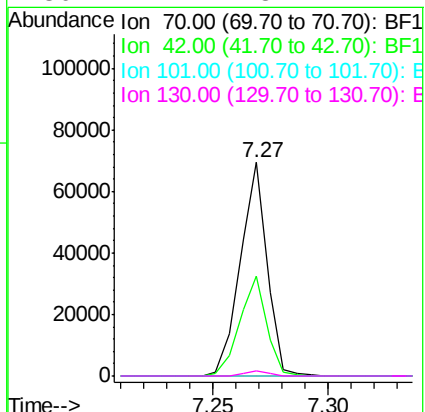
Ion Ratio Lower Upper

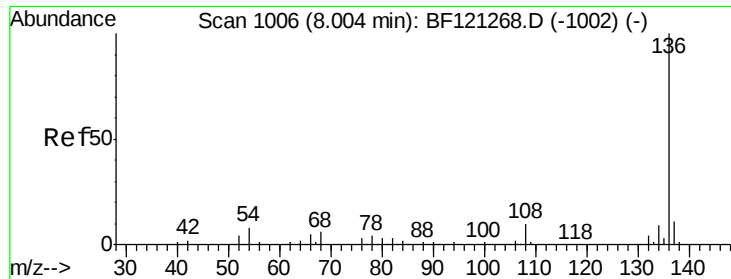
70 100

42 46.8 45.6 68.4

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

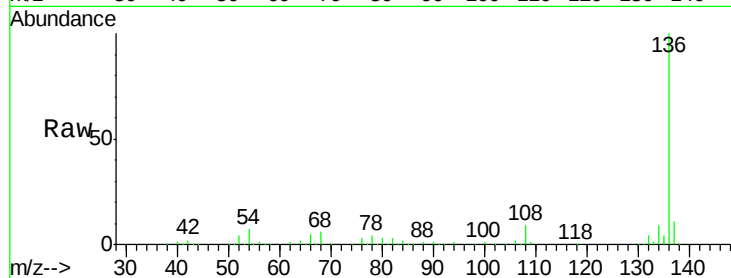




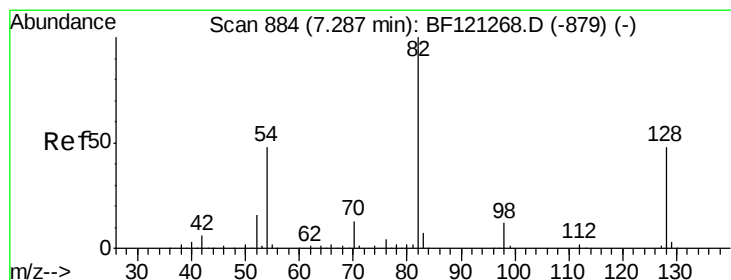
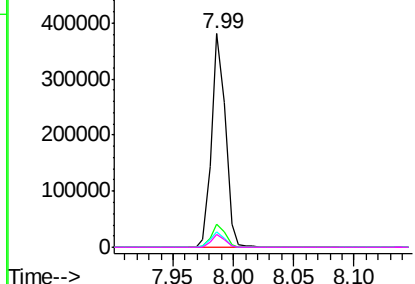
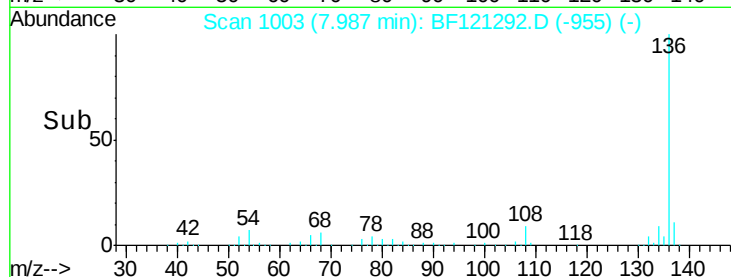
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Instrument :
BNA_F
ClientSampleId :
TP-6-4-9FT

Tot Ion:136	Resp:	300787
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.6 13.0
54	7.2	5.3 7.9
68	6.0	4.2 6.2

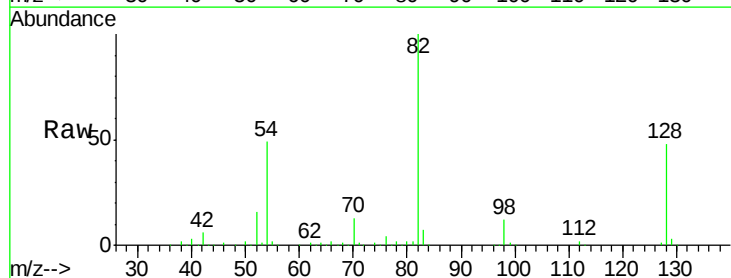


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

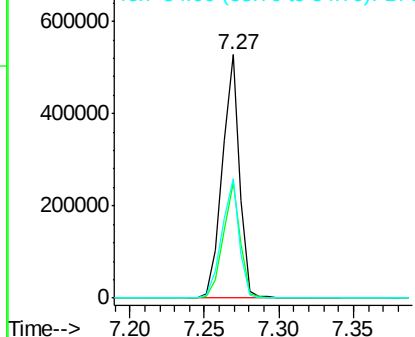
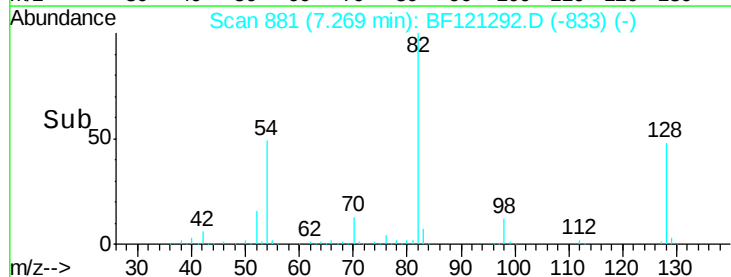


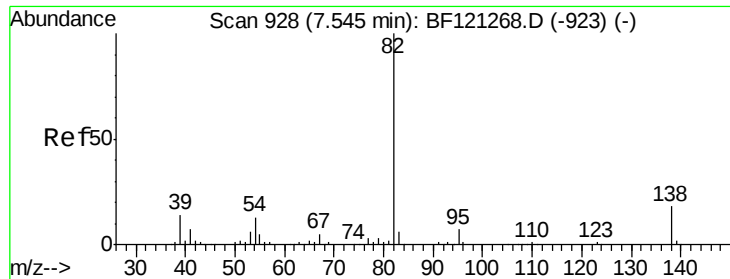
#23
Nitrobenzene-d5
Concen: 78.444 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Tgt Ion: 82	Resp:	431723
Ion	Ratio	Lower Upper
82	100	
128	47.7	39.8 59.8
54	49.1	37.7 56.5



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: 39.070 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

Instrument :

BNA_F

ClientSampleId :

TP-6-4-9FT

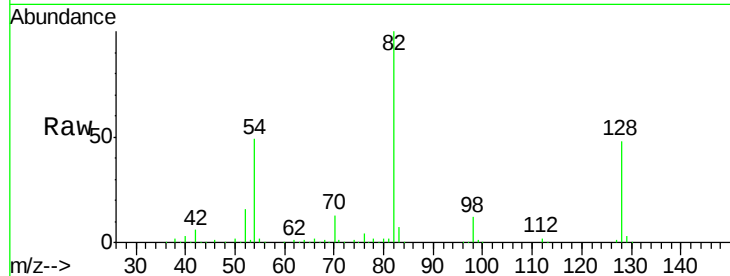
Tot Ion: 82 Resp: 431714

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

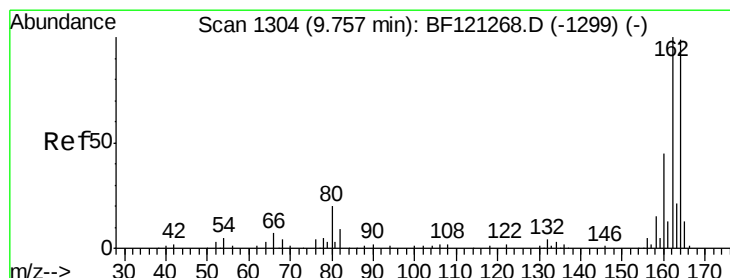
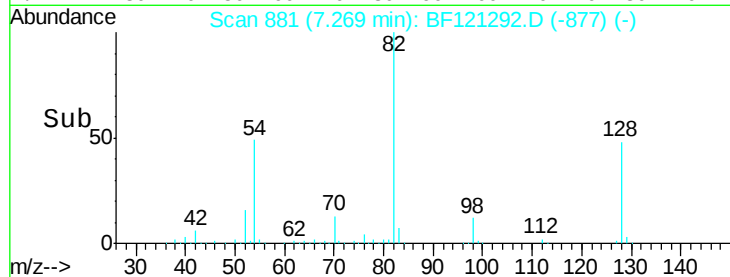
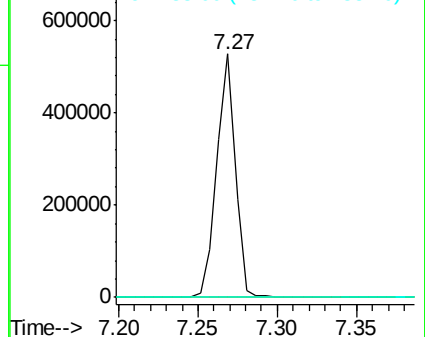
138 0.0 16.0 24.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

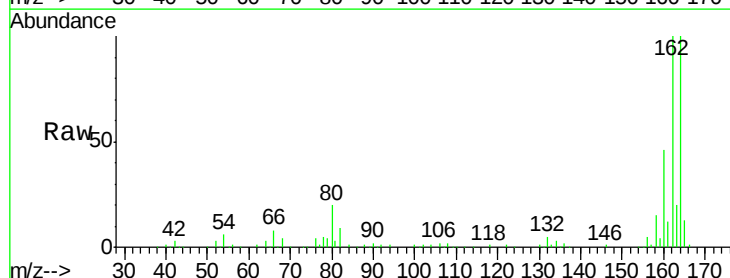
Tgt Ion: 164 Resp: 157689

Ion Ratio Lower Upper

164 100

162 99.9 81.2 121.8

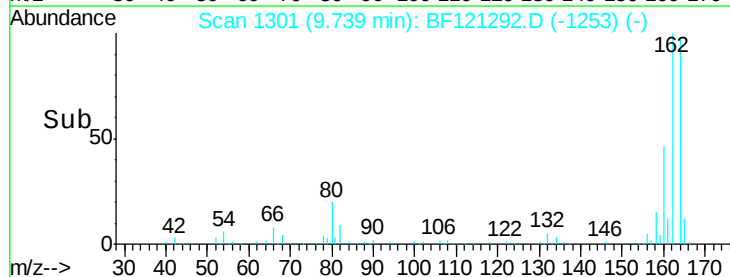
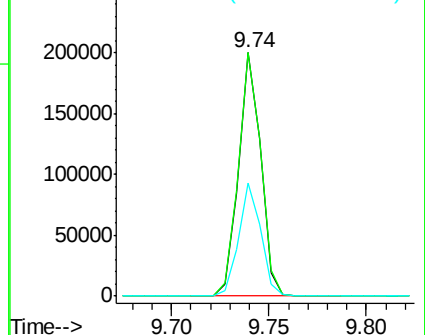
160 46.2 36.9 55.3

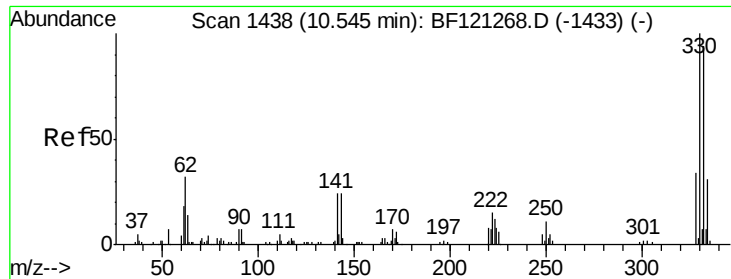


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

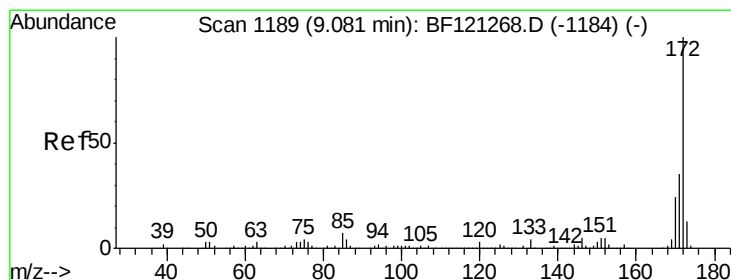
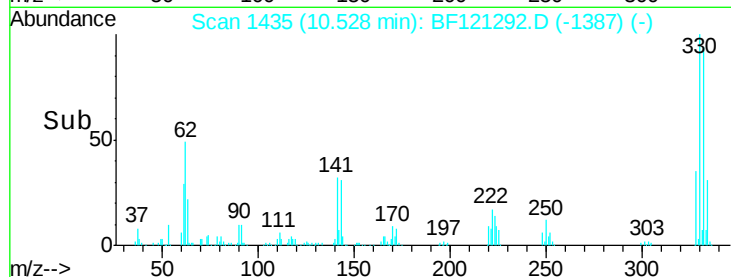
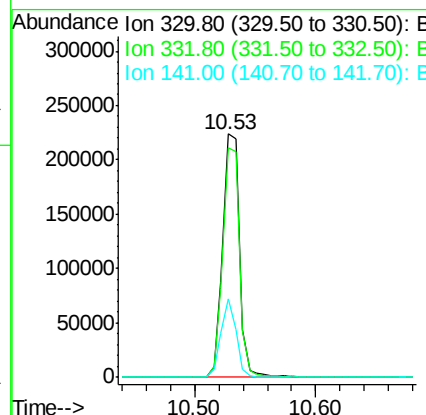
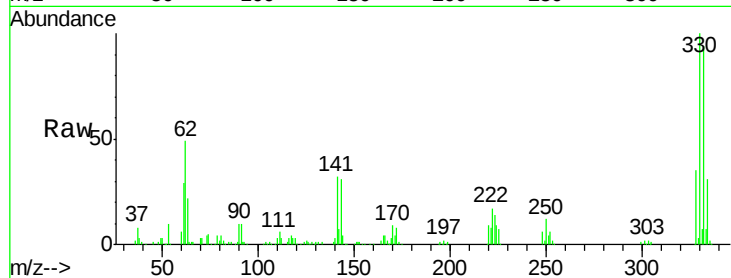




#42
 2,4,6-Tribromophenol
 Concen: 109.983 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF121292.D
 Acq: 14 Aug 2020 18:50

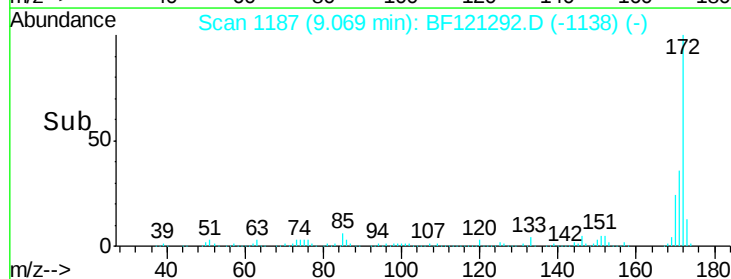
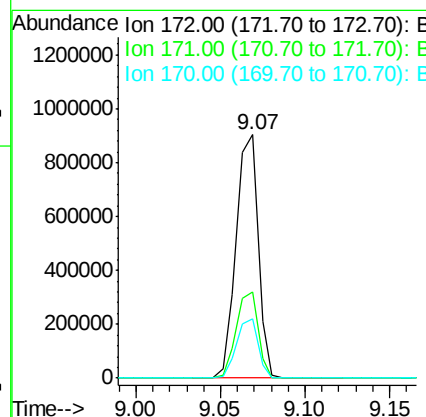
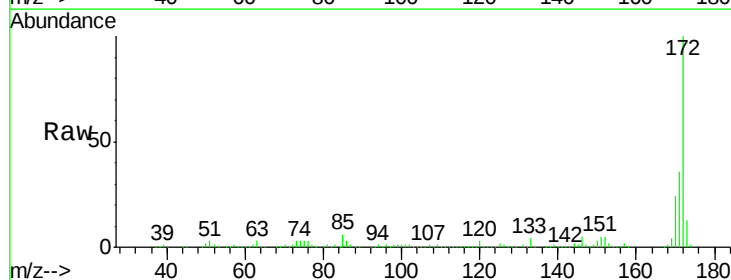
Instrument :
 BNA_F
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 TP-6-4-9FT

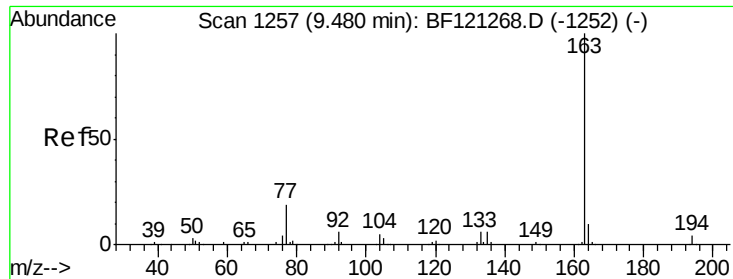
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	75.4	113.0
141	29.1	23.4	35.2



#45
 2-Fluorobiphenyl
 Concen: 71.846 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF121292.D
 Acq: 14 Aug 2020 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	24.1	19.3	28.9

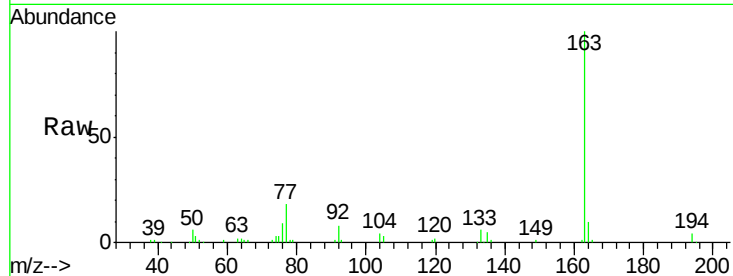




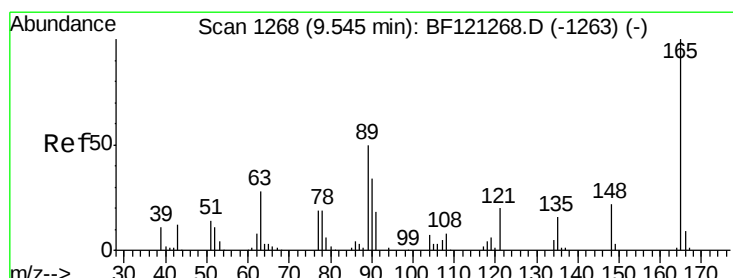
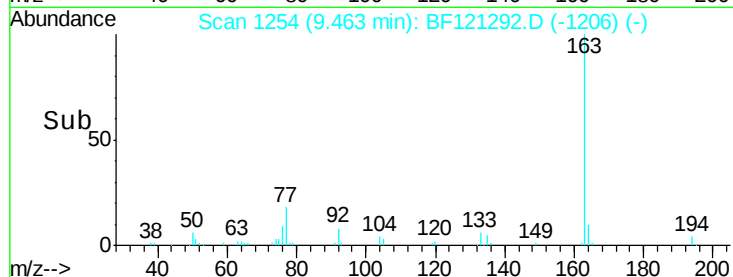
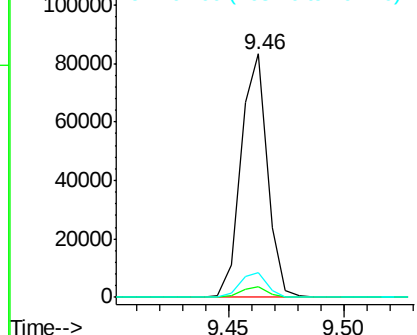
#50
Dimethylphthalate
Concen: 5.607 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Instrument :
BNA_F
ClientSampleId :
TP-6-4-9FT

Tot Ion:163 Resp: 66535
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.1 8.1 12.1

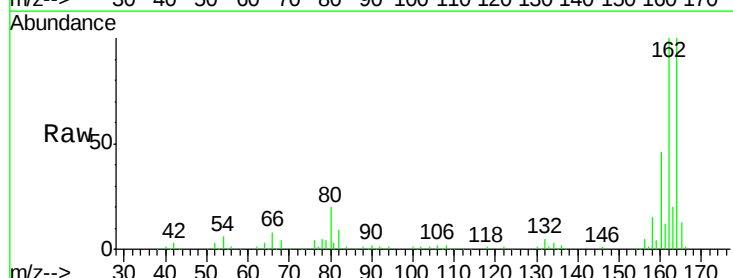


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

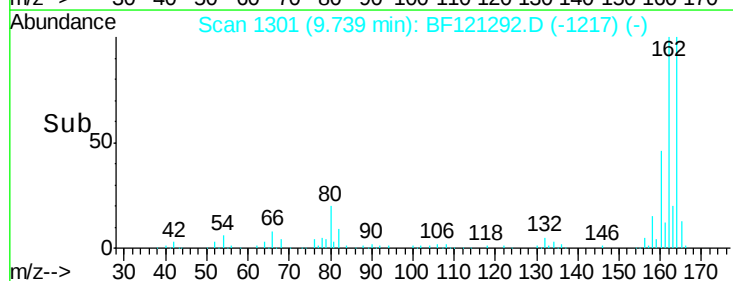
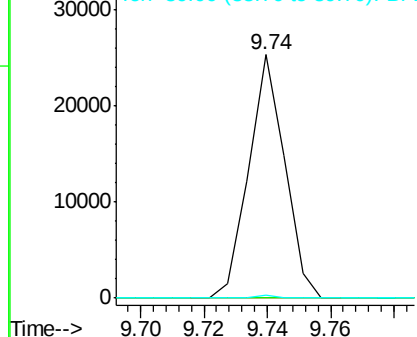


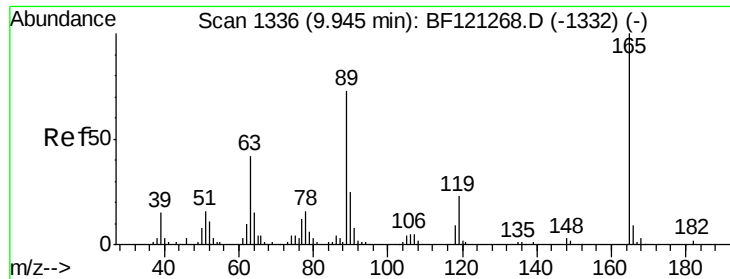
#51
2,6-Dinitrotoluene
Concen: 7.530 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.19 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Tgt Ion:165 Resp: 19917
Ion Ratio Lower Upper
165 100
63 0.0 42.3 63.5#
89 1.4 45.0 67.4#



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

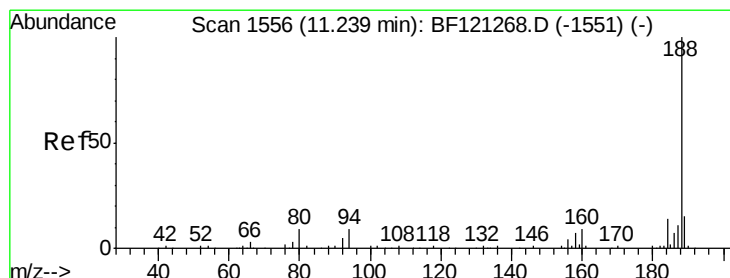
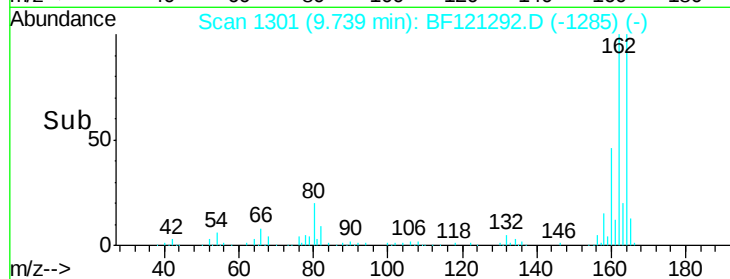
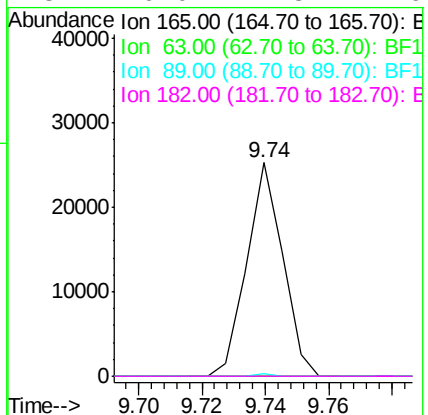
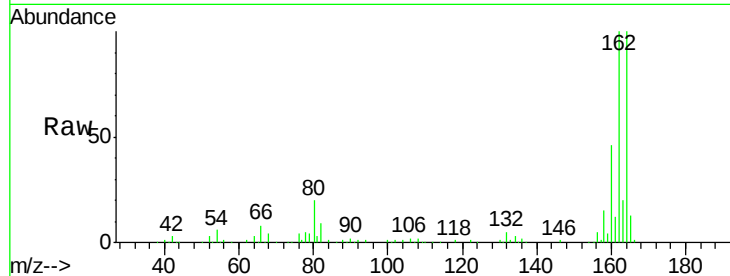




#57
 2,4-Dinitrotoluene
 Concen: 5.738 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.21 min
 Lab File: BF121292.D
 Acq: 14 Aug 2020 18:50

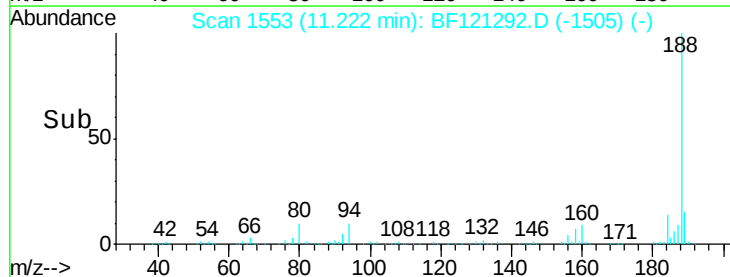
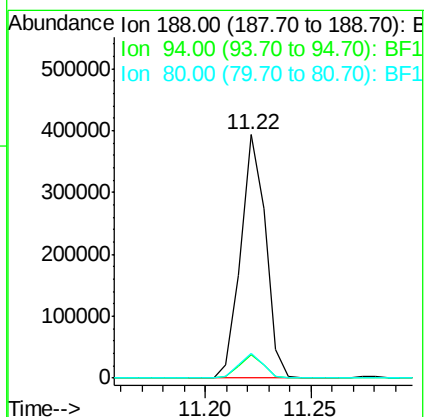
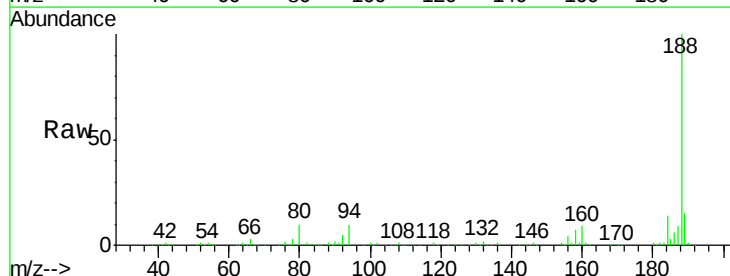
Instrument :
 BNA_F
 ClientSampleId :
 TP-6-4-9FT

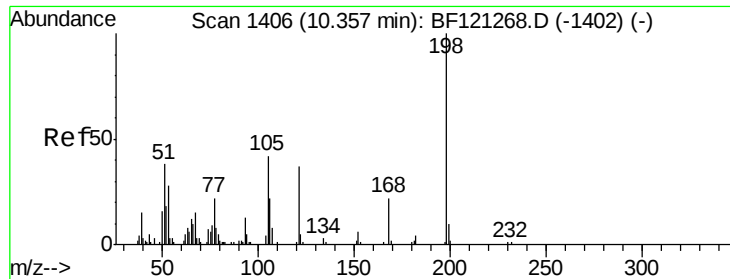
Tot Ion:165	Resp:	19917
Ion Ratio	Lower	Upper
165	100	
63	0.0	31.9 47.9#
89	1.4	53.6 80.4#
182	0.0	1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF121292.D
 Acq: 14 Aug 2020 18:50

Tgt Ion:188	Resp:	320029
Ion Ratio	Lower	Upper
188	100	
94	9.5	7.0 10.6
80	10.2	7.4 11.0

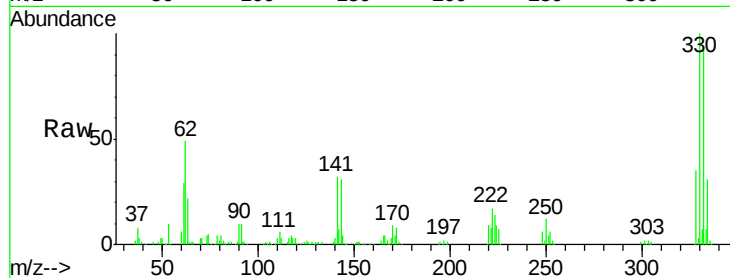




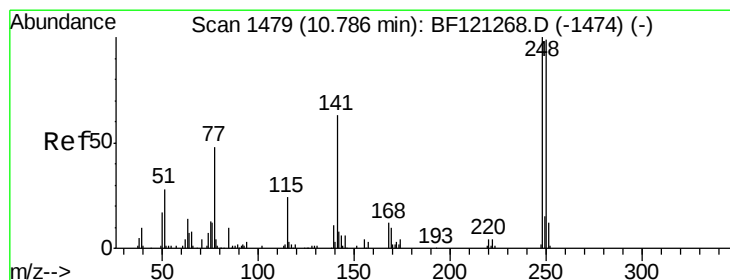
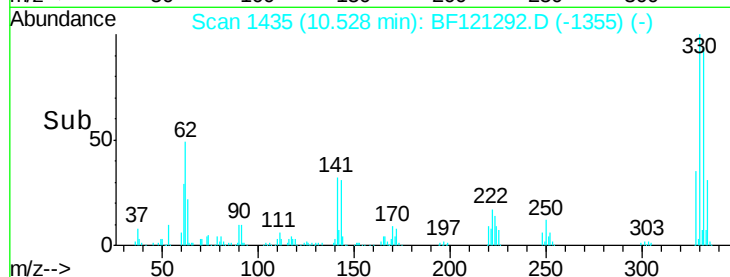
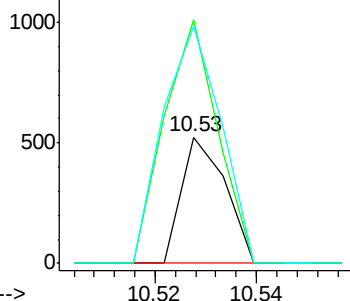
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.072 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.17 min
 Lab File: BF121292.D
 Acq: 14 Aug 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-4-9FT

Tot Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 193.3 29.1 69.1#
 105 188.5 28.3 68.3#

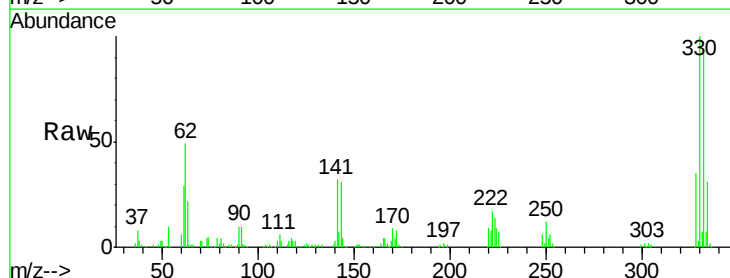


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

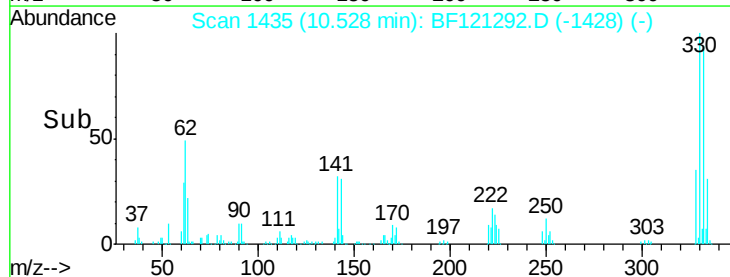
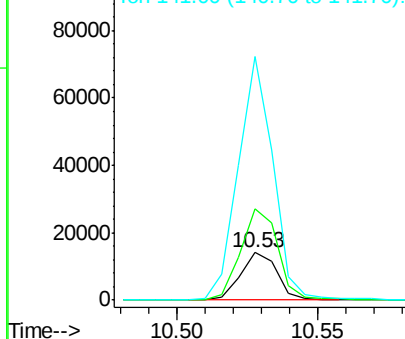


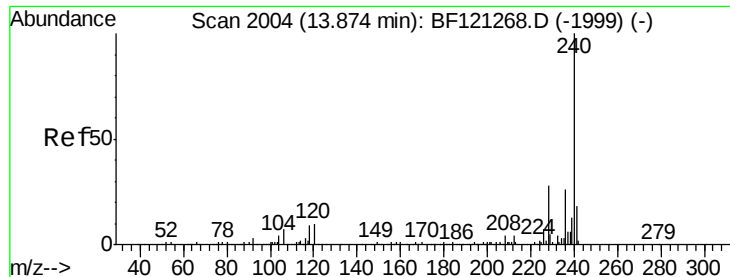
#67
 4-Bromophenyl-phenylether
 Concen: 3.374 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.26 min
 Lab File: BF121292.D
 Acq: 14 Aug 2020 18:50

Tgt Ion:248 Resp: 12597
 Ion Ratio Lower Upper
 248 100
 250 193.2 77.7 116.5#
 141 513.9 53.4 80.2#



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: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

Instrument :

BNA_F

ClientSampleId :

TP-6-4-9FT

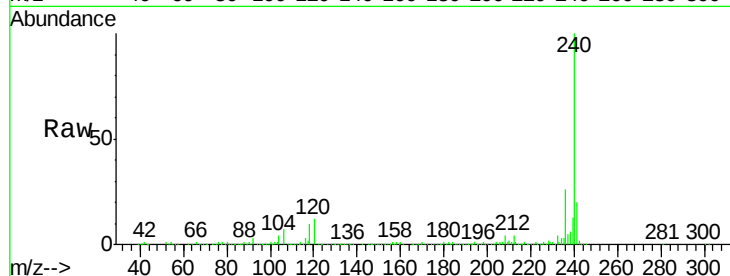
Tot Ion:240 Resp: 303240

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

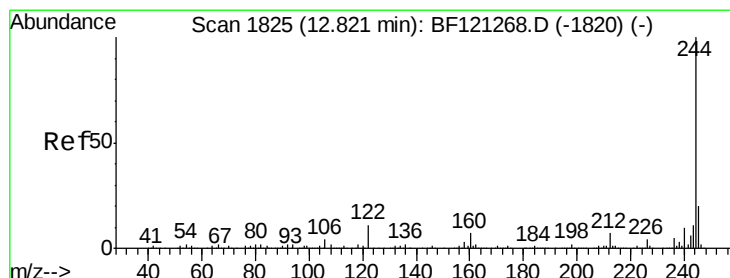
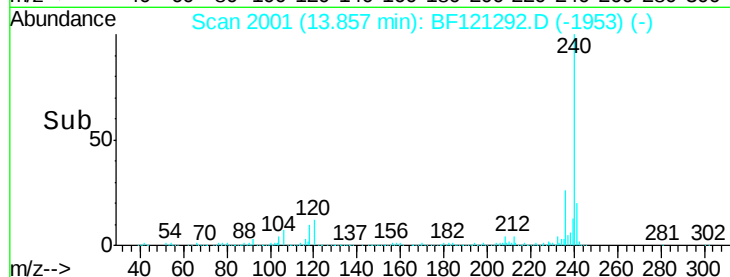
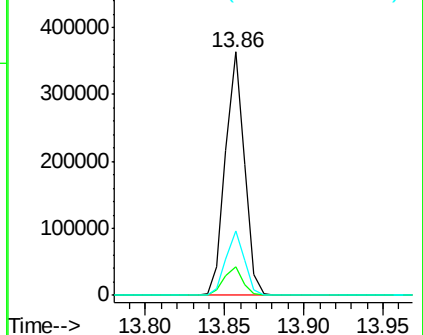
236 26.3 21.0 31.4



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: 60.419 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

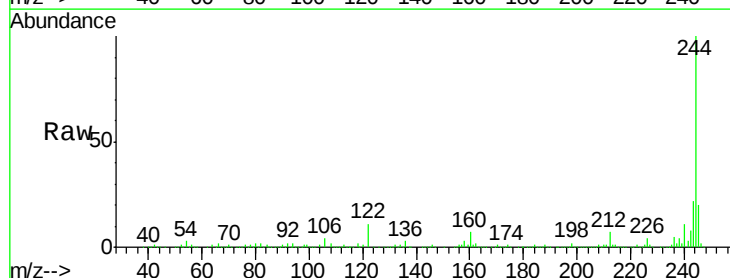
Tgt Ion:244 Resp: 939880

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

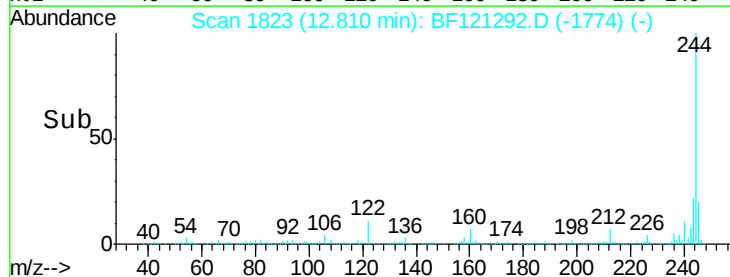
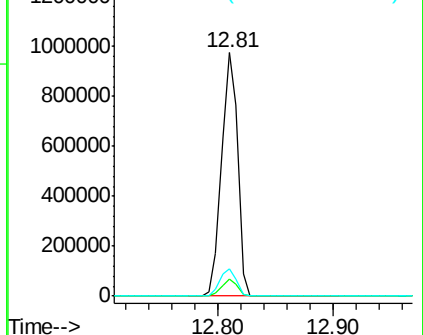
122 11.4 9.1 13.7

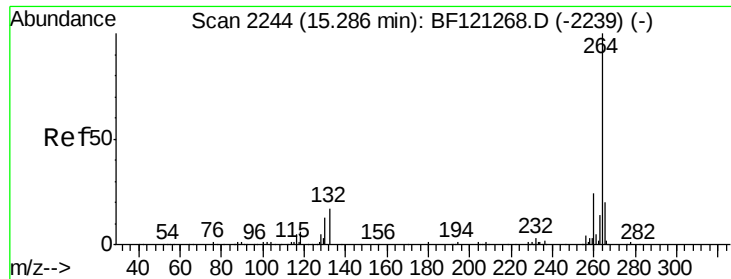


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

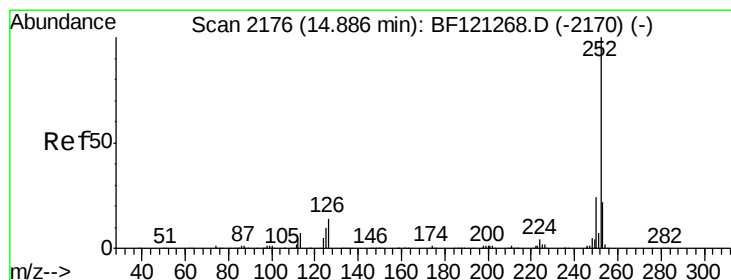
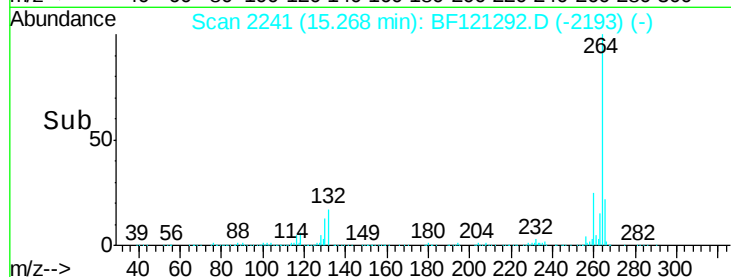
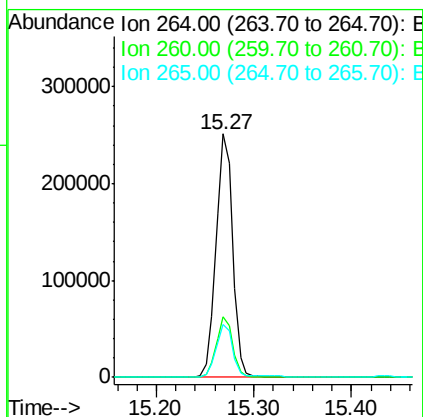
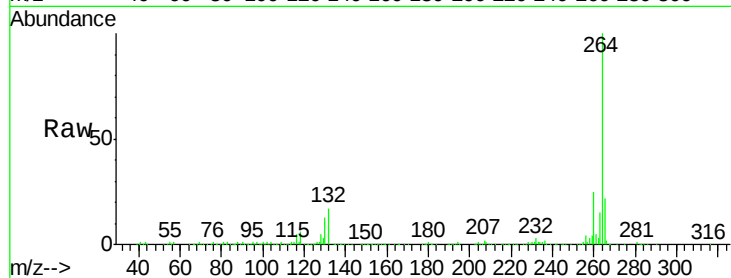




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

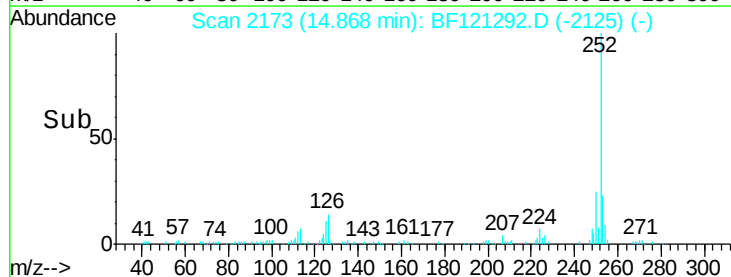
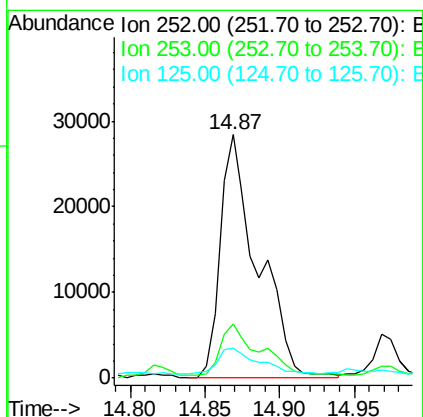
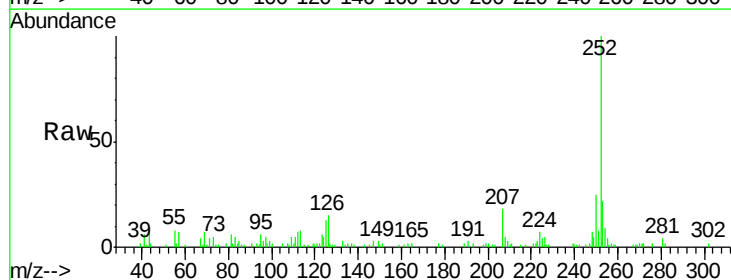
Instrument :
BNA_F
ClientSampleId :
TP-6-4-9FT

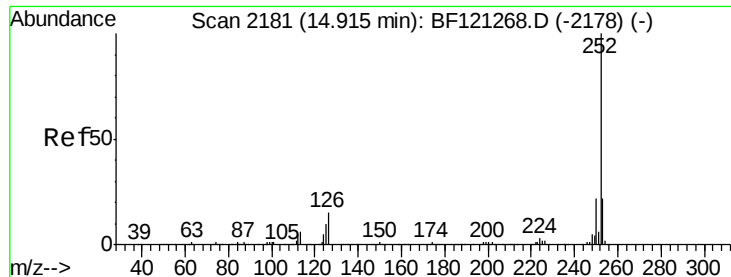
Tot Ion:264 Resp: 298028
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.8 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 2.495 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BF121292.D
Acq: 14 Aug 2020 18:50

Tgt Ion:252 Resp: 49820
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 12.5 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 2.687 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.05 min

Lab File: BF121292.D

Acq: 14 Aug 2020 18:50

Instrument :

BNA_F

ClientSampleId :

TP-6-4-9FT

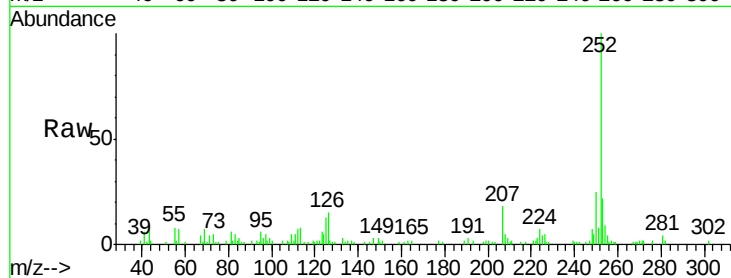
Tot Ion:252 Resp: 49820

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 12.5 8.8 13.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

