

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115710.D
 Acq On : 22 Jul 2019 15:39
 Operator : HP/JU
 Sample : K3621-05 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 01:16:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

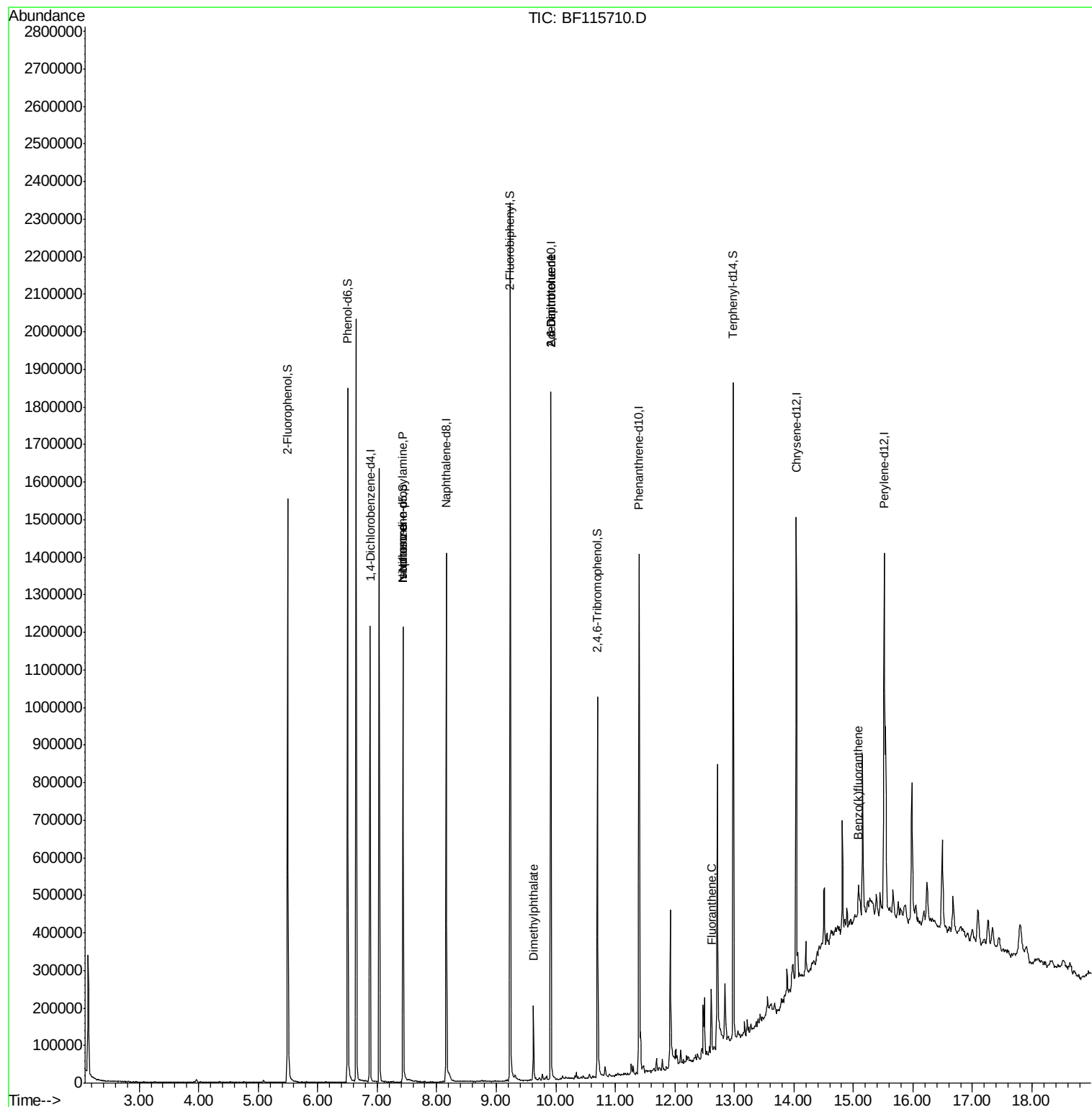
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	178766	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	696235	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	348029	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	524995	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	396777	20.00	ng	-0.01
87) Perylene-d12	15.52	264	477115	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	481137	44.02	ng	0.00
7) Phenol-d6	6.50	99	631279	45.52	ng	-0.01
23) Nitrobenzene-d5	7.43	82	384333	32.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	139382	34.31	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	697467	35.08	ng	-0.02
79) Terphenyl-d14	12.98	244	555046	25.81	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	50975	5.636	ng	# 80
25) Isophorone	7.43	82	371828	15.519	ng	# 64
50) Dimethylphthalate	9.62	163	83250	3.179	ng	# 99
51) 2,6-Dinitrotoluene	9.92	165	44331	7.450	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	44332	5.750	ng	# 24
75) Fluoranthene	12.62	202	69459	2.443	ng	# 98
89) Benzo(k)fluoranthene	15.09	252	58417	2.133	ng	# 84

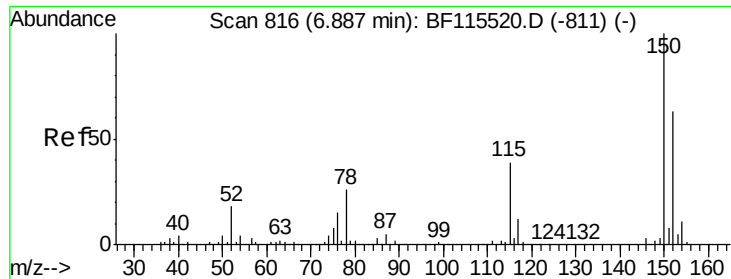
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



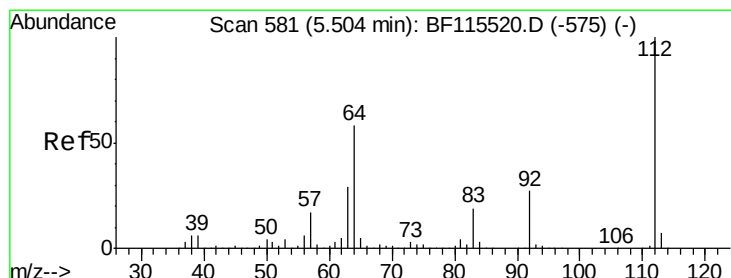
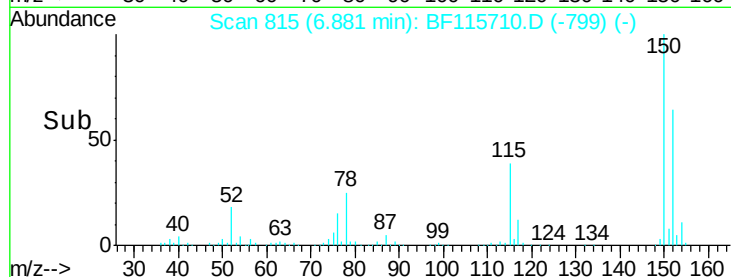
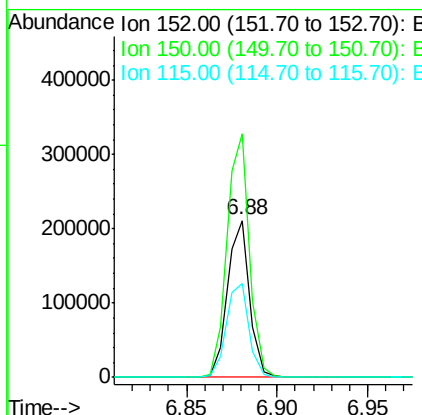
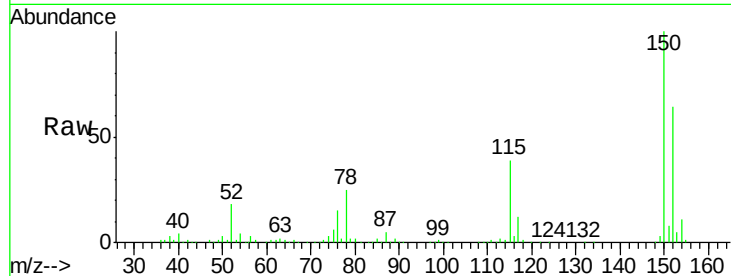


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115710.D
Acq: 22 Jul 2019 15:39

Instrument :
BNA_F
ClientSampled :

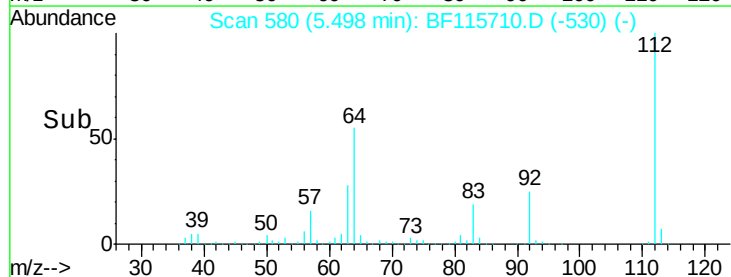
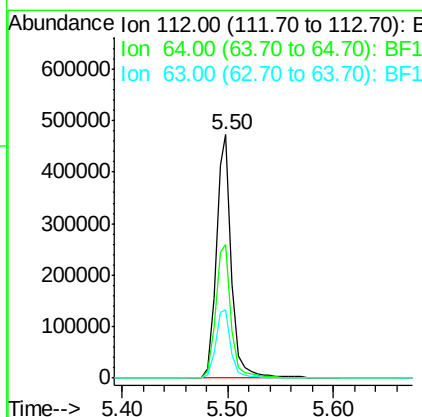
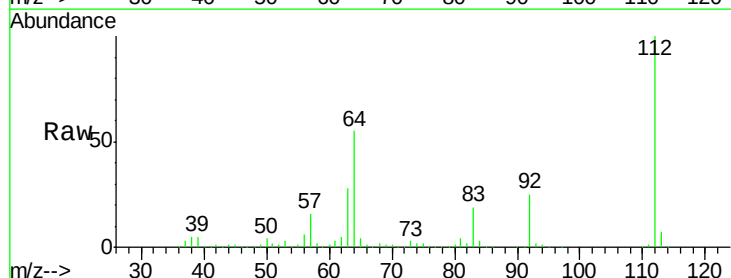
Tot Ion:152 Resp: 178766
Ion Ratio Lower Upper
152 100
150 155.2 129.7 194.5
115 59.8 48.2 72.4

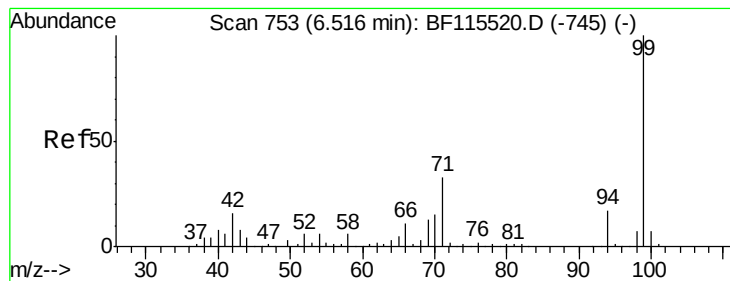


#5

2-Fluorophenol
Concen: 44.024 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115710.D
Acq: 22 Jul 2019 15:39

Tgt Ion:112 Resp: 481137
Ion Ratio Lower Upper
112 100
64 54.6 46.8 70.2
63 28.1 24.1 36.1





#7

Phenol-d6

Concen: 45.522 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

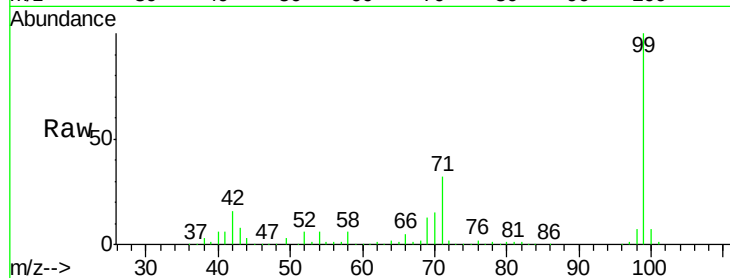
Tot Ion: 99 Resp: 631279

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

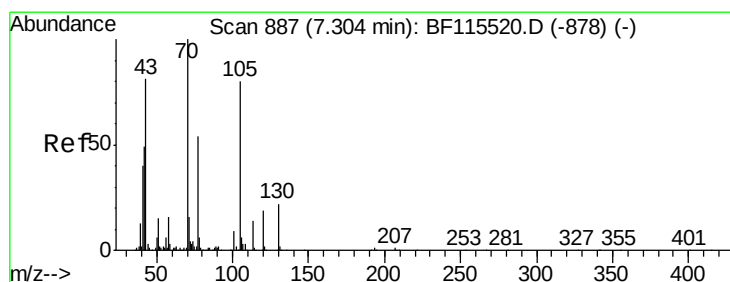
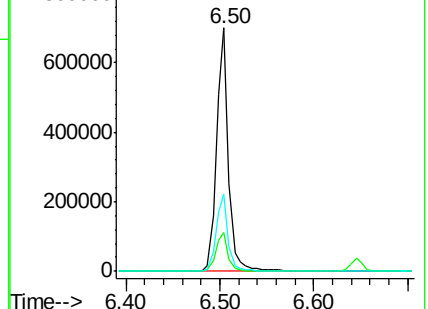
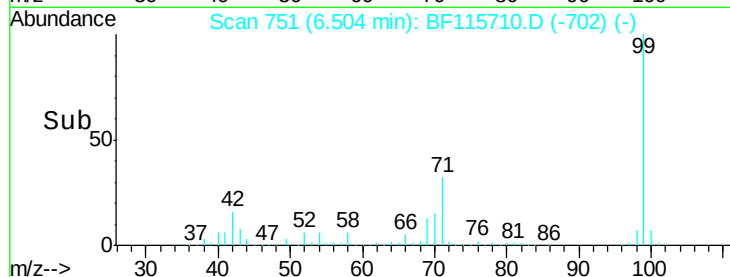
71 31.8 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.636 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Tgt Ion: 70 Resp: 50975

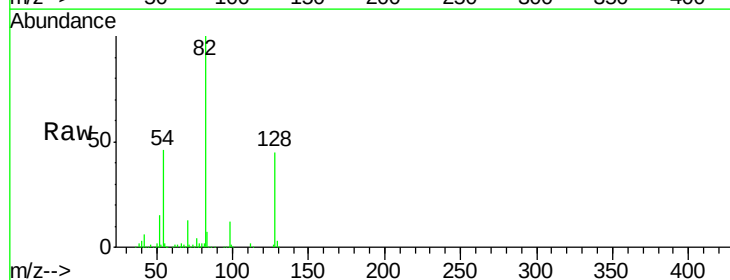
Ion Ratio Lower Upper

70 100

42 43.7 39.6 59.4

101 0.0 8.1 12.1#

130 2.5 18.2 27.2#

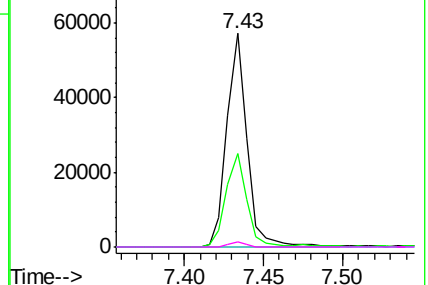
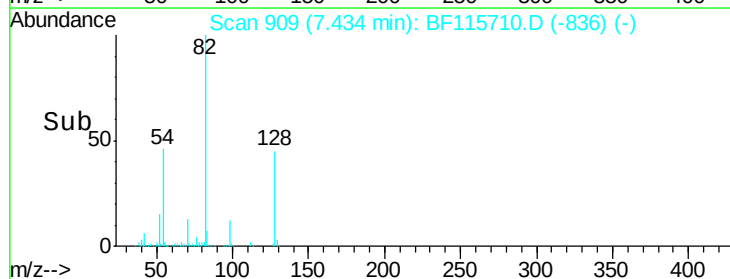


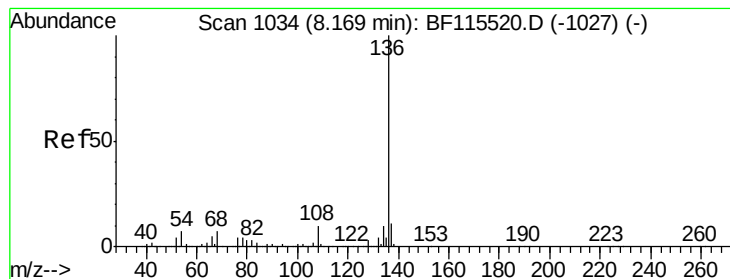
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 696235

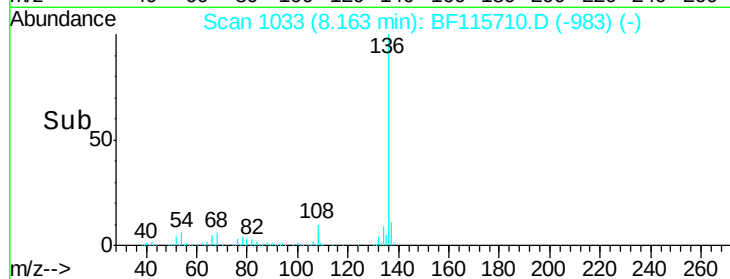
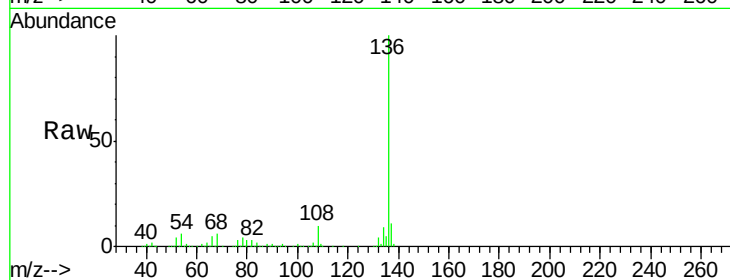
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.3 5.6 8.4

68 5.7 5.0 7.6

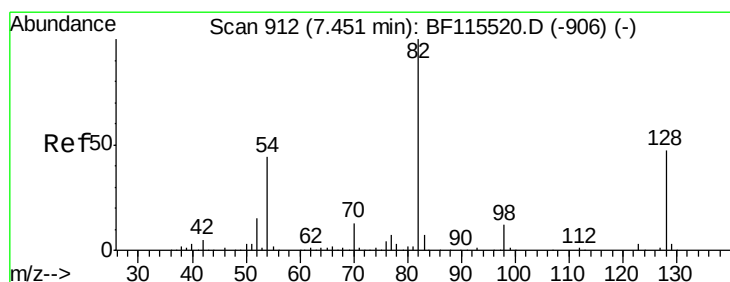
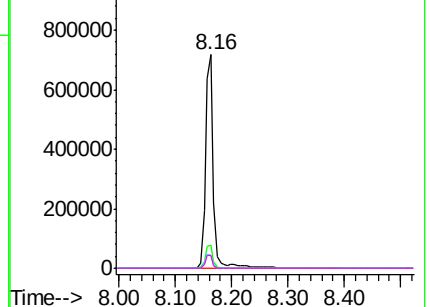


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.098 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

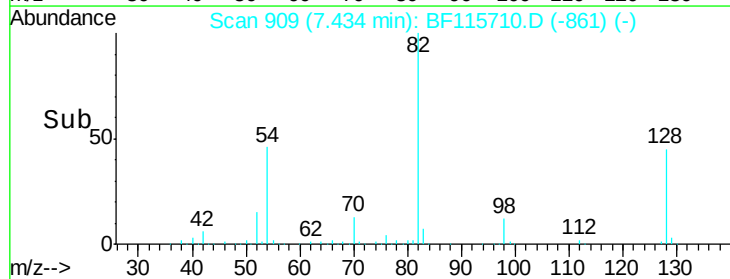
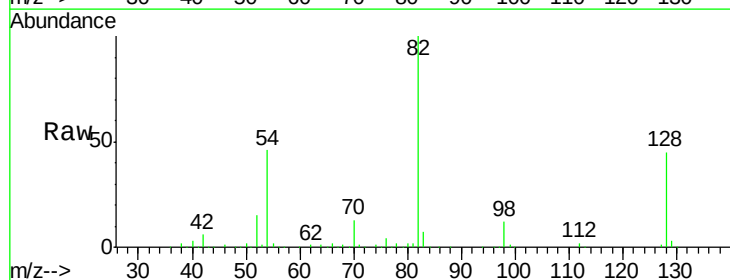
Tgt Ion: 82 Resp: 384333

Ion Ratio Lower Upper

82 100

128 45.4 38.6 57.8

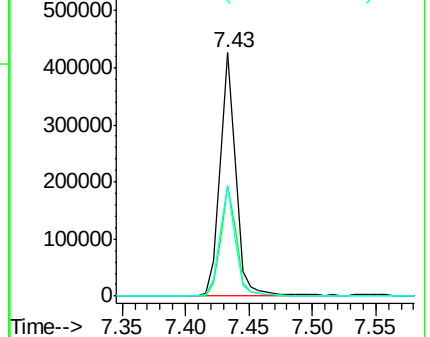
54 45.6 35.6 53.4

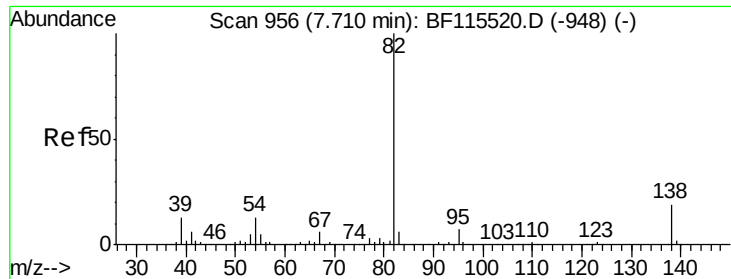


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.519 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

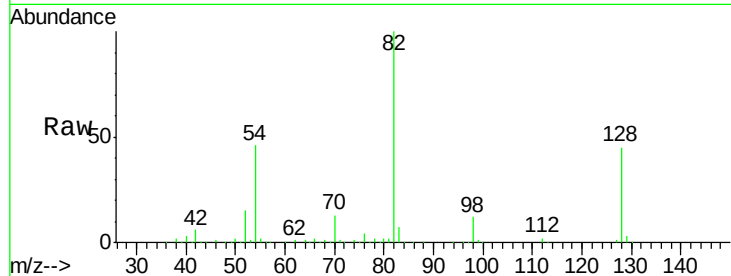
Tot Ion: 82 Resp: 371828

Ion Ratio Lower Upper

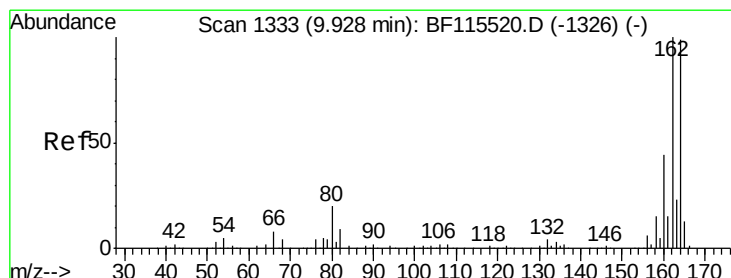
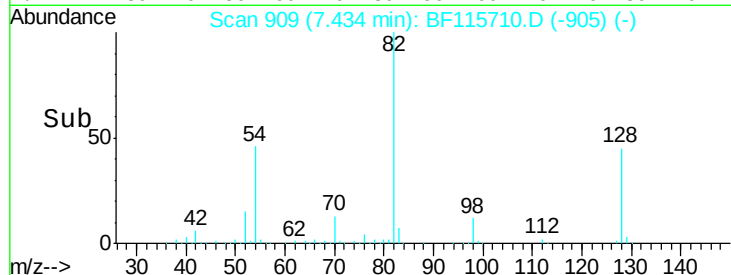
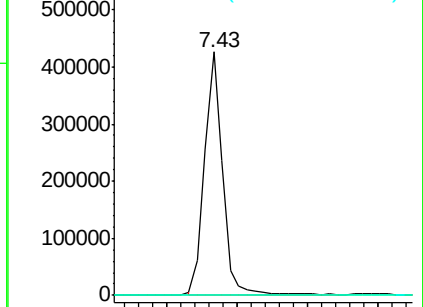
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

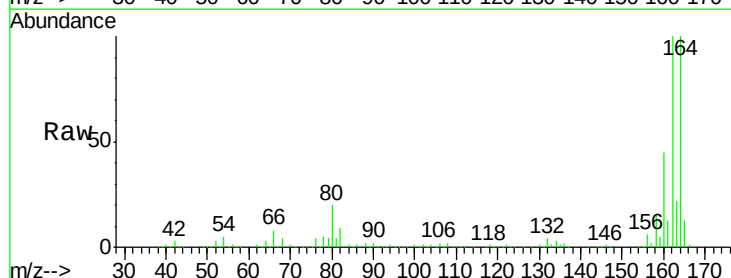
Tgt Ion: 164 Resp: 348029

Ion Ratio Lower Upper

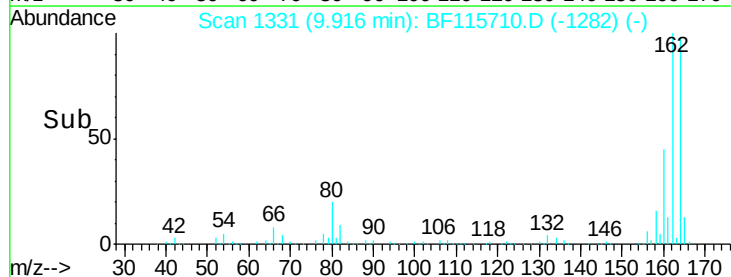
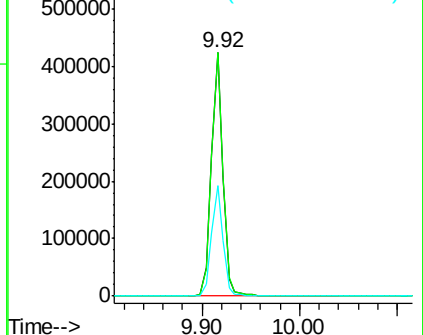
164 100

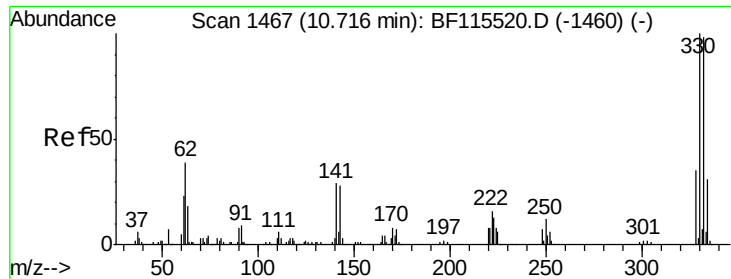
162 100.0 82.9 124.3

160 45.2 36.8 55.2



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

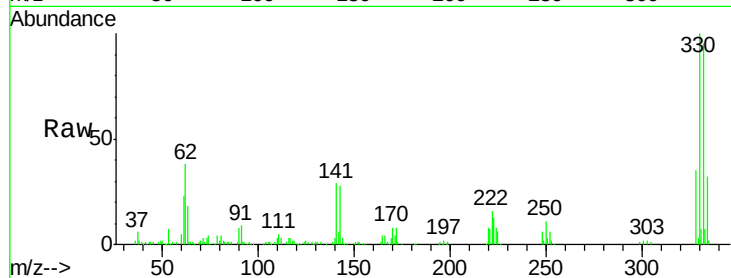




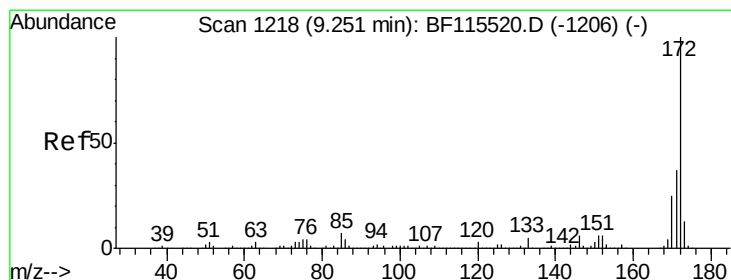
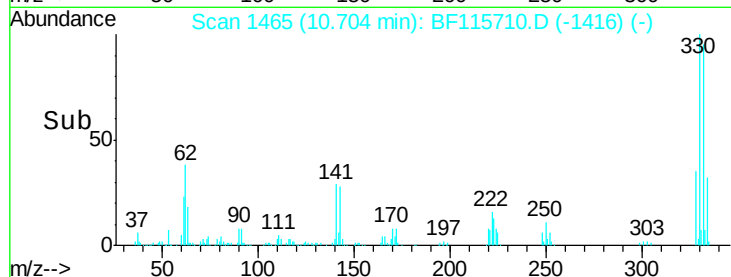
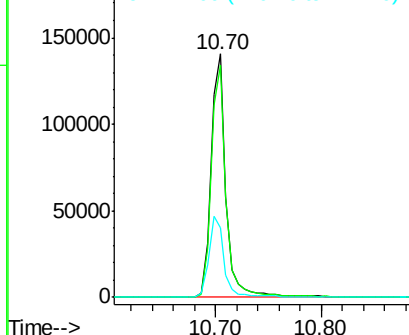
#42
 2,4,6-Tribromophenol
 Concen: 34.311 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115710.D
 Acq: 22 Jul 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	34.3	22.4	33.6

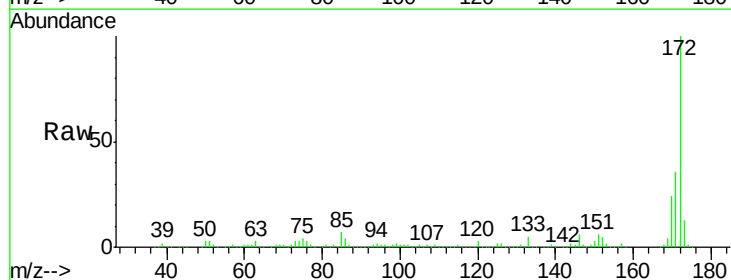


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

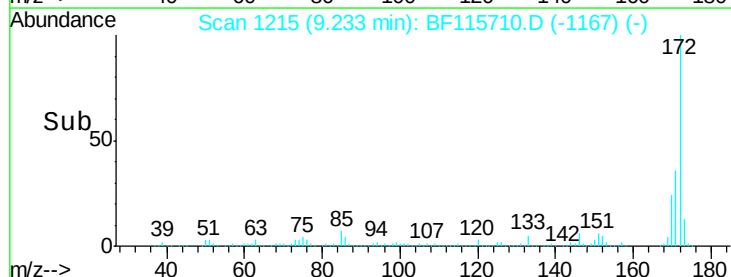
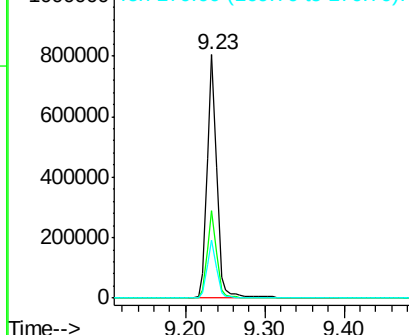


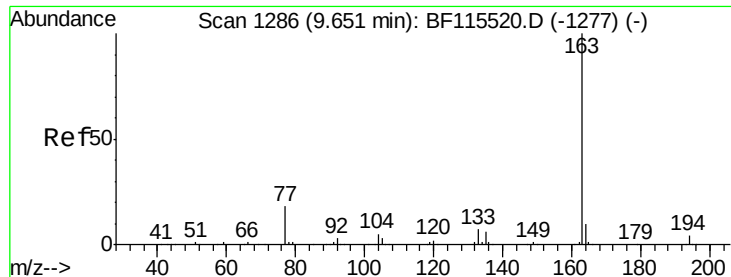
#45
 2-Fluorobiphenyl
 Concen: 35.077 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115710.D
 Acq: 22 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.6	46.0
170	23.9	20.5	30.7



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: 3.179 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

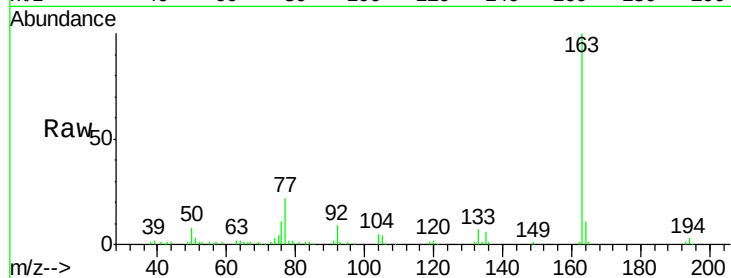
Tot Ion:163 Resp: 83250

Ion Ratio Lower Upper

163 100

194 3.4 3.3 4.9

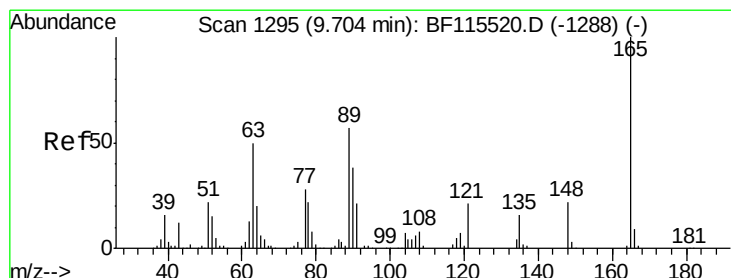
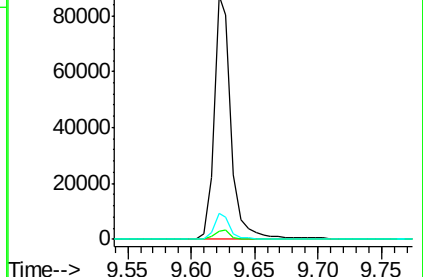
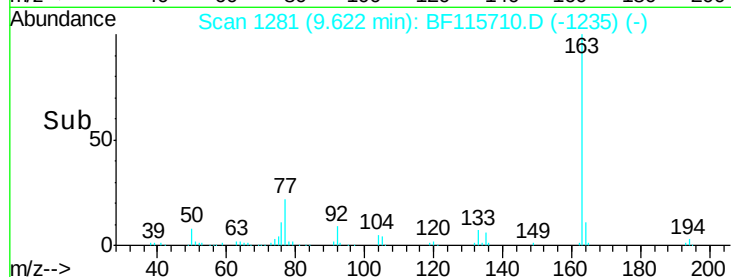
164 10.6 8.7 13.1



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: 7.450 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

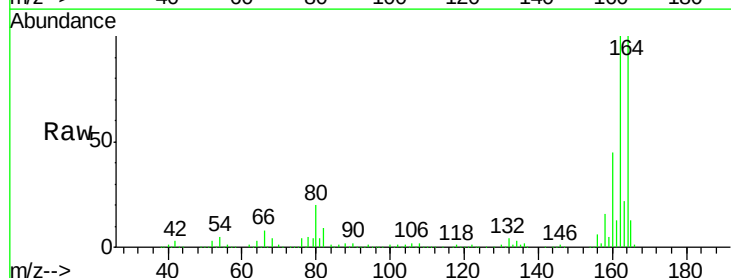
Tgt Ion:165 Resp: 44331

Ion Ratio Lower Upper

165 100

63 1.0 40.6 61.0#

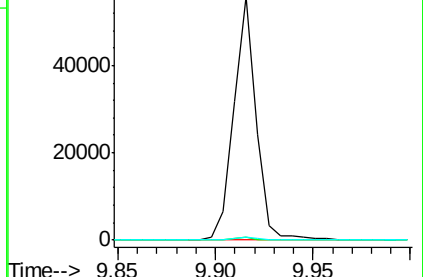
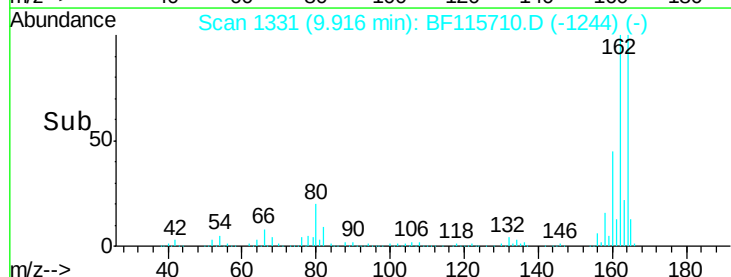
89 1.2 43.9 65.9#

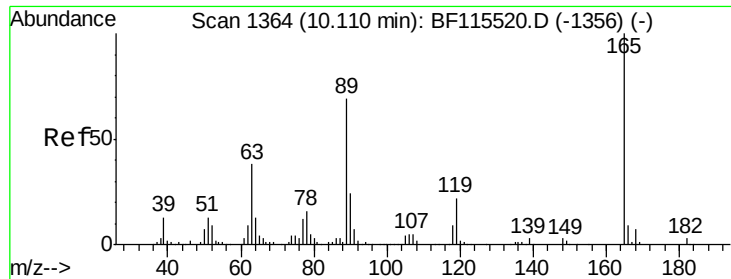


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

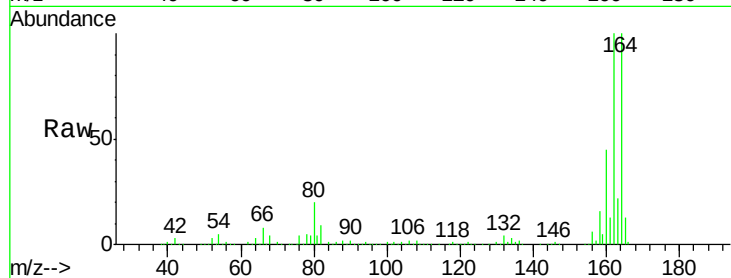




#57
 2,4-Dinitrotoluene
 Concen: 5.750 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115710.D
 Acq: 22 Jul 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.9	52.3#
89	1.2	57.5	86.3#
182	0.0	2.2	3.4#

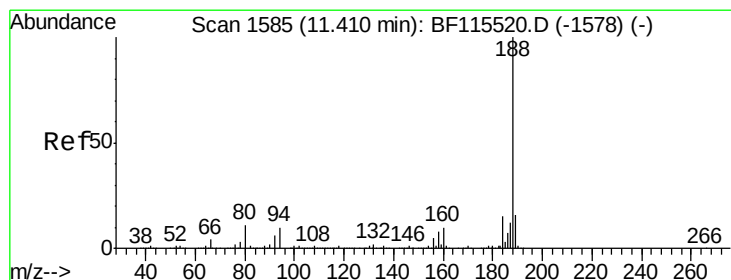
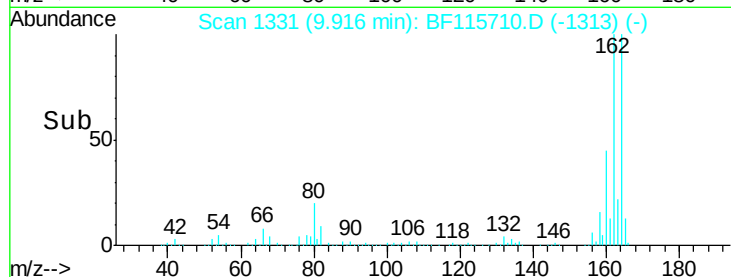
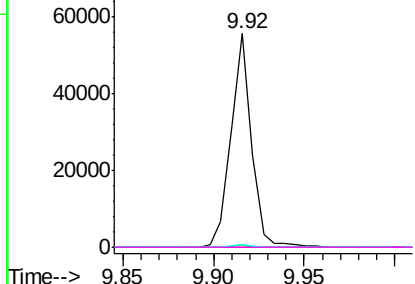


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

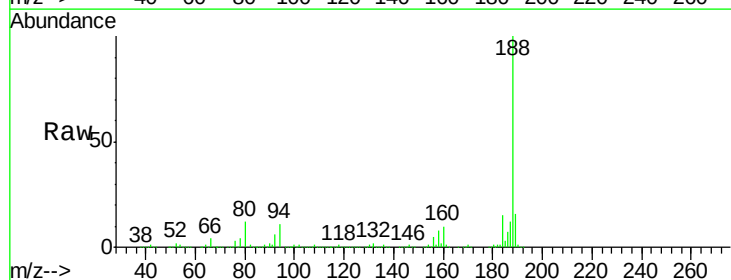
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115710.D
 Acq: 22 Jul 2019 15:39

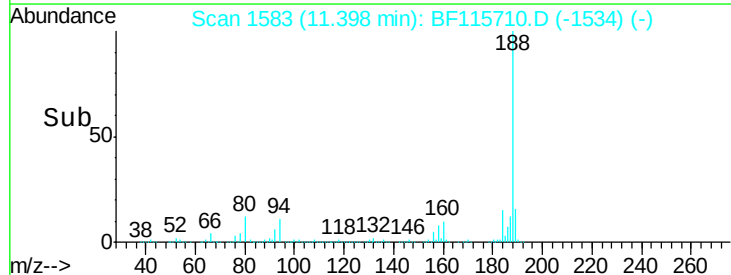
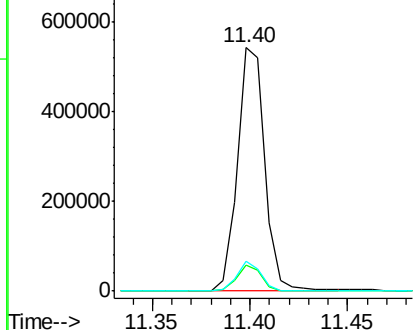
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	12.0	8.6	13.0

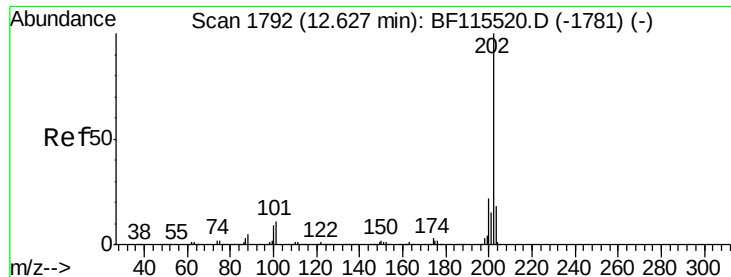


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.443 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

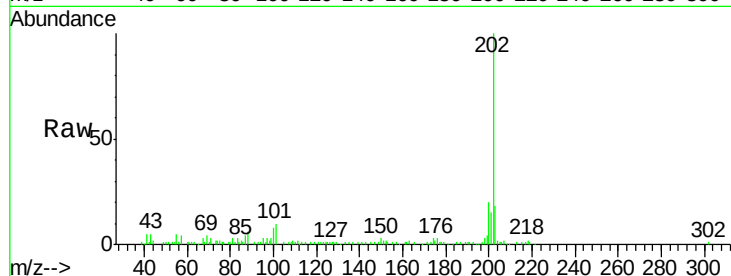
Tot Ion:202 Resp: 69459

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

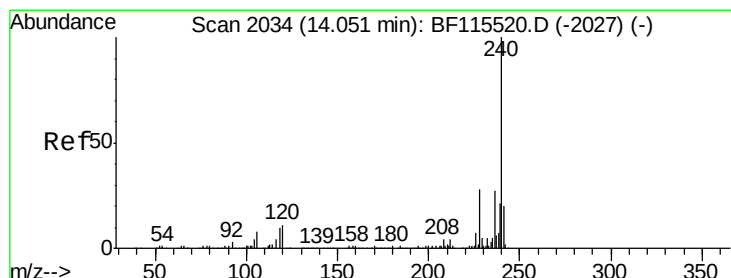
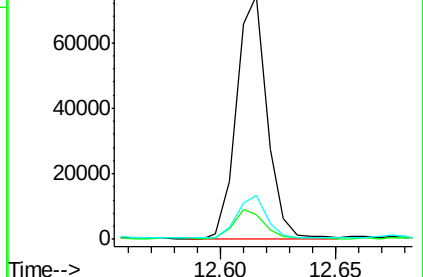
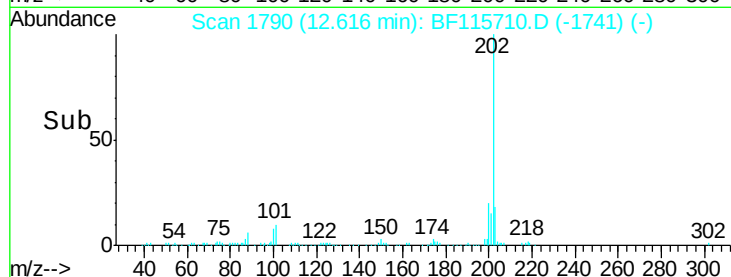
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

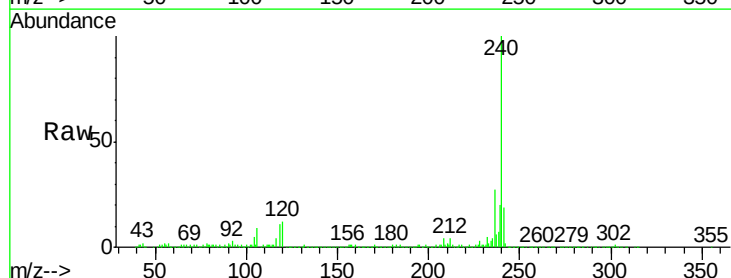
Tgt Ion:240 Resp: 396777

Ion Ratio Lower Upper

240 100

120 12.0 8.6 13.0

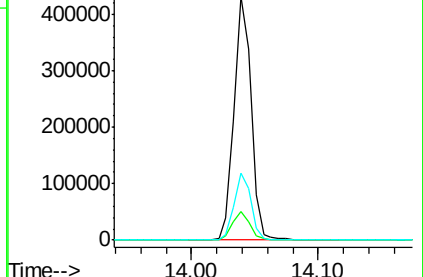
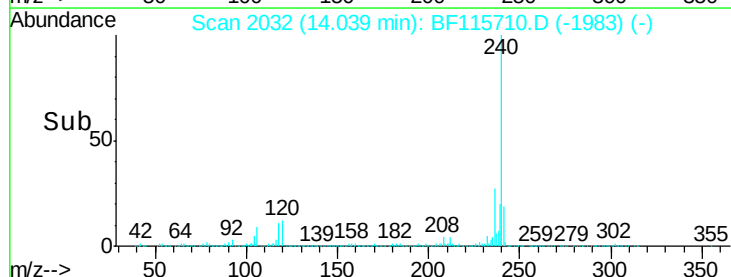
236 27.3 21.3 31.9

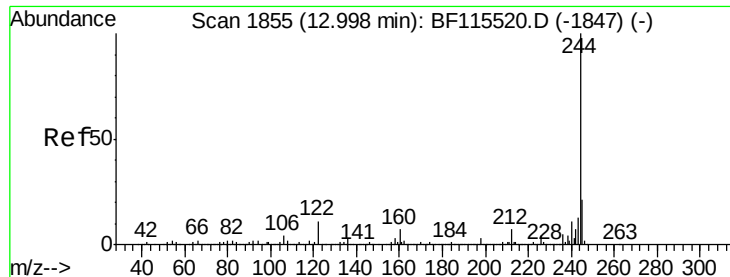


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 25.812 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

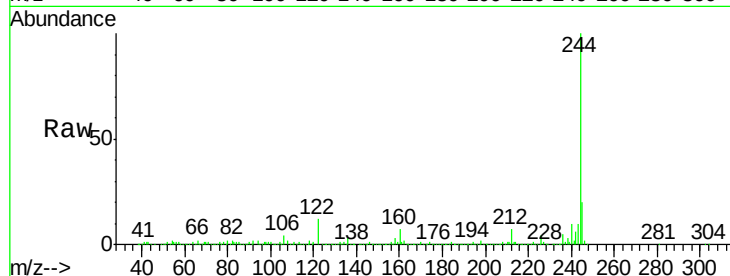
Tot Ion:244 Resp: 555046

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

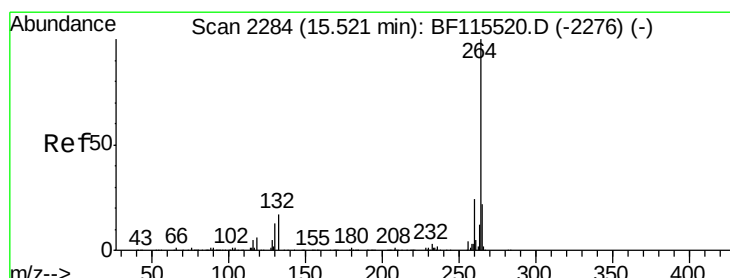
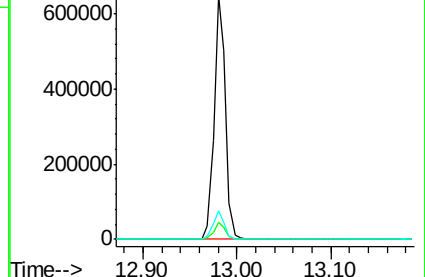
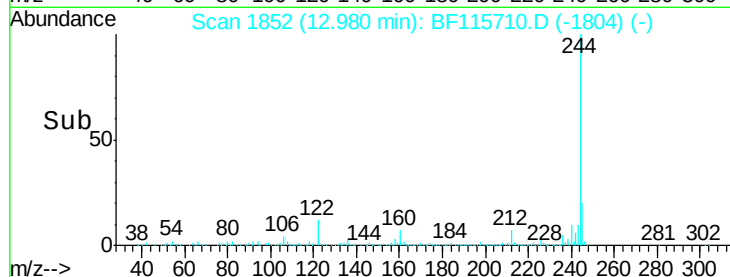
122 11.9 8.6 12.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BF115710.D

Acq: 22 Jul 2019 15:39

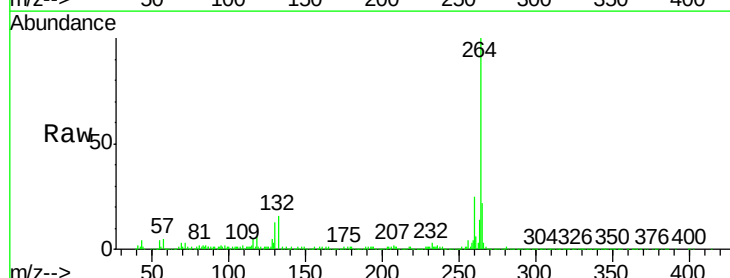
Tgt Ion:264 Resp: 477115

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

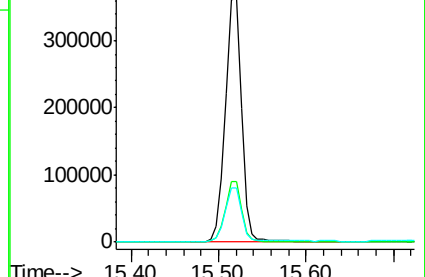
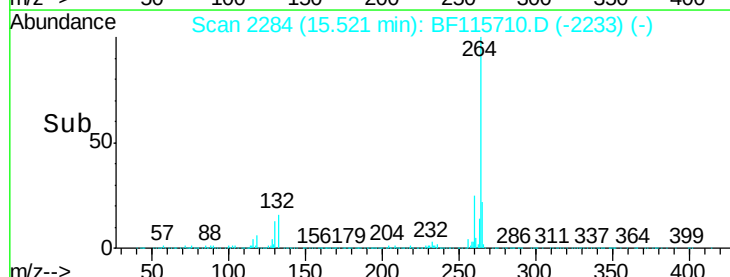
265 22.2 17.7 26.5

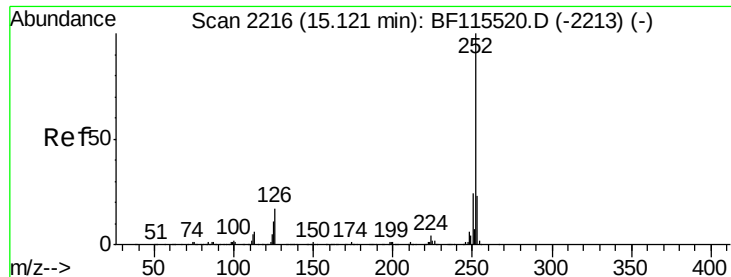


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 2.133 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF115710.D

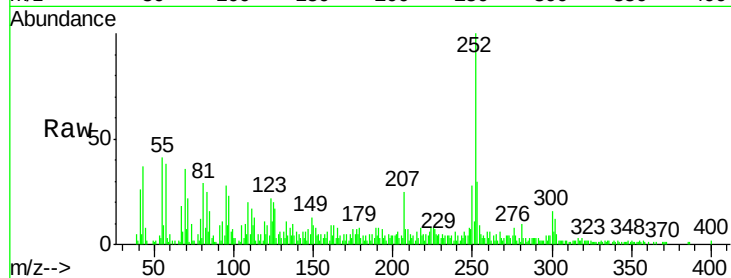
Acq: 22 Jul 2019 15:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	58417
Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.6	28.0#
125	19.7	9.0	13.6#



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

