

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115619.D
 Acq On : 17 Jul 2019 1:04
 Operator : HP/JU
 Sample : K3811-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:57:56 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

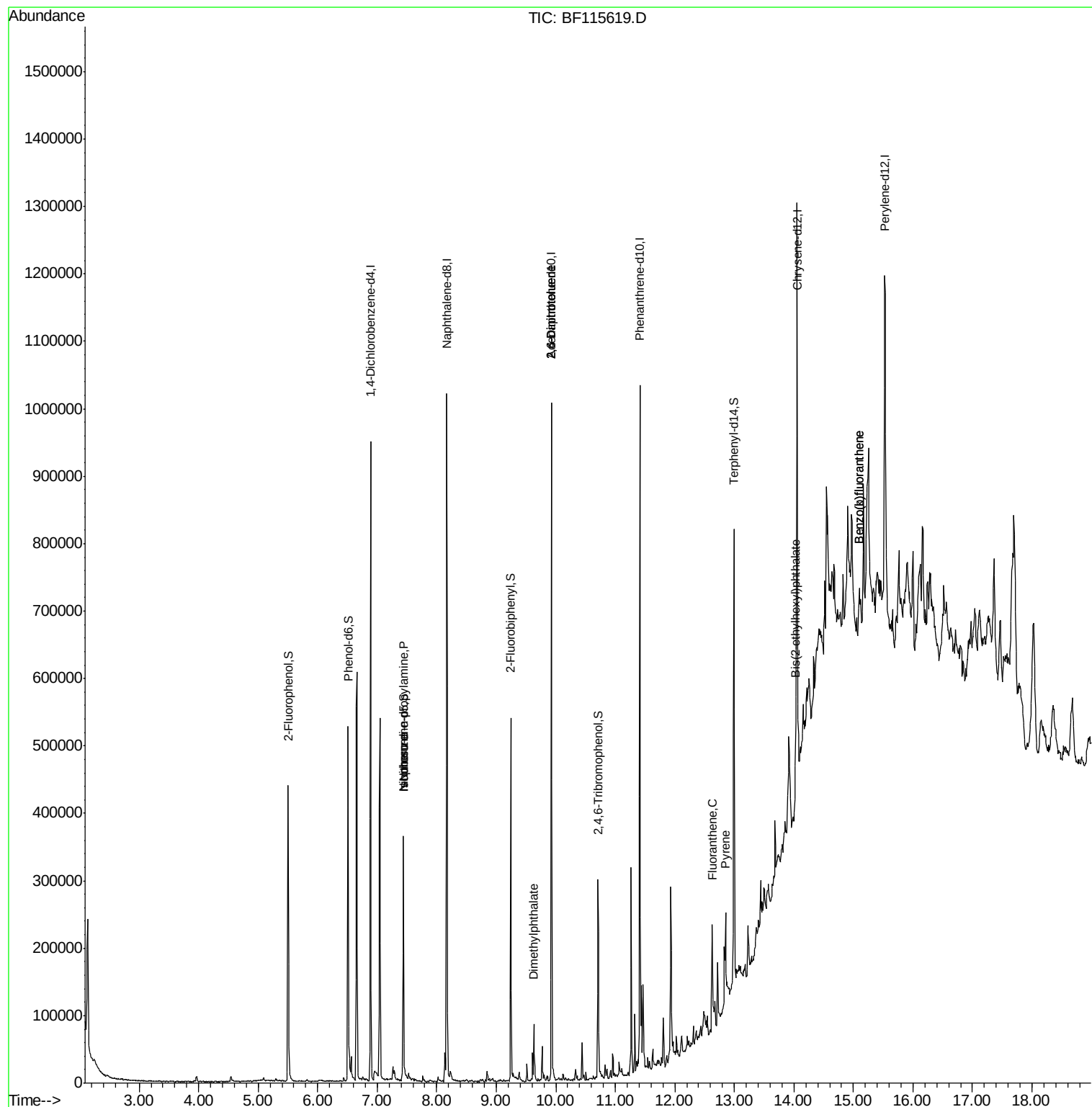
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	132313	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	408460	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	193800	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	383505	20.00	ng	0.00
76) Chrysene-d12	14.05	240	287331	20.00	ng	0.00
87) Perylene-d12	15.53	264	250962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	142746	17.65	ng	0.00
7) Phenol-d6	6.51	99	186325	18.15	ng	0.00
23) Nitrobenzene-d5	7.44	82	109028	15.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	37567	16.61	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	185638	16.77	ng	0.00
79) Terphenyl-d14	12.99	244	217545	13.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	15231	2.275	ng	# 80
25) Isophorone	7.44	82	106502	7.577	ng	# 64
50) Dimethylphthalate	9.63	163	31389	2.153	ng	99
51) 2,6-Dinitrotoluene	9.93	165	23384	7.057	ng	# 27
57) 2,4-Dinitrotoluene	9.93	165	23384	5.447	ng	# 24
75) Fluoranthene	12.63	202	62354	3.002	ng	99
78) Pyrene	12.86	202	56004	2.301	ng	97
84) Bis(2-ethylhexyl)phthalate	14.03	149	38687	3.010	ng	99
88) Benzo(b)fluoranthene	15.10	252	49939	3.090	ng	# 80
89) Benzo(k)fluoranthene	15.10	252	49939	3.466	ng	# 81

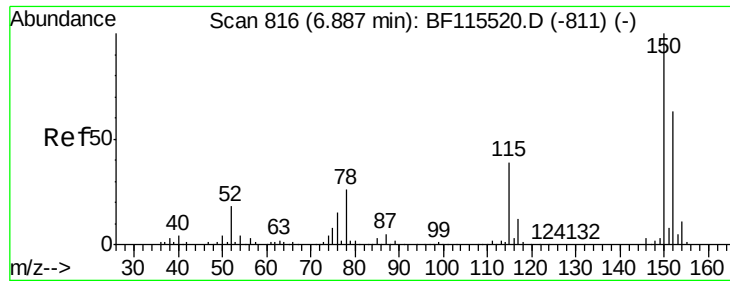
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
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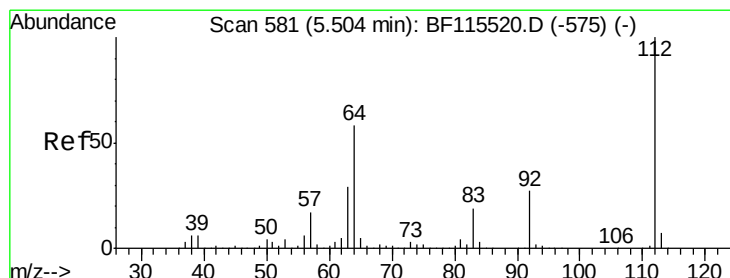
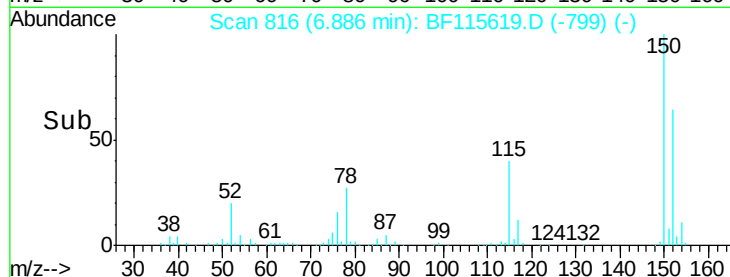
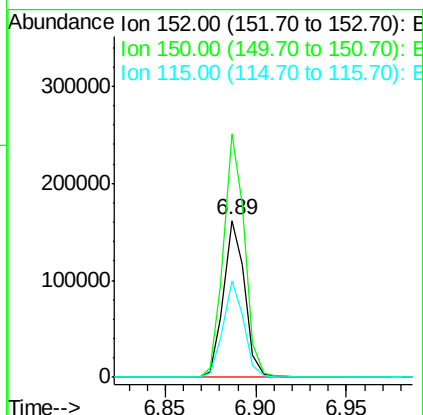
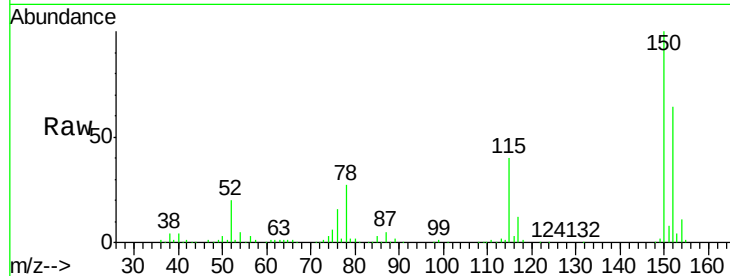


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115619.D
Acq: 17 Jul 2019 1:04

Instrument :
BNA_F
ClientSampleId :

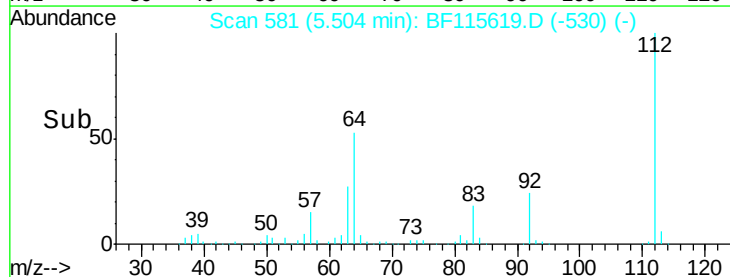
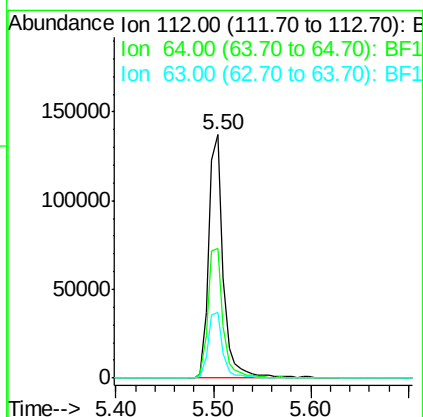
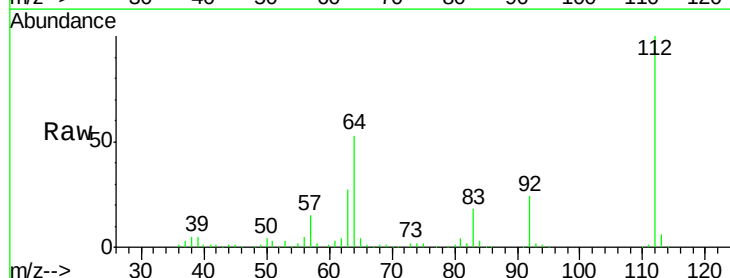
Tot Ion:152 Resp: 132313
Ion Ratio Lower Upper
152 100
150 155.2 129.7 194.5
115 61.3 48.2 72.4

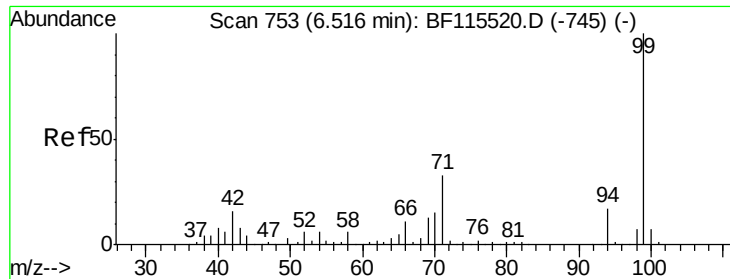


#5

2-Fluorophenol
Concen: 17.647 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115619.D
Acq: 17 Jul 2019 1:04

Tgt Ion:112 Resp: 142746
Ion Ratio Lower Upper
112 100
64 53.3 46.8 70.2
63 27.0 24.1 36.1





#7

Phenol-d6

Concen: 18.153 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Instrument :

BNA_F

ClientSampled :

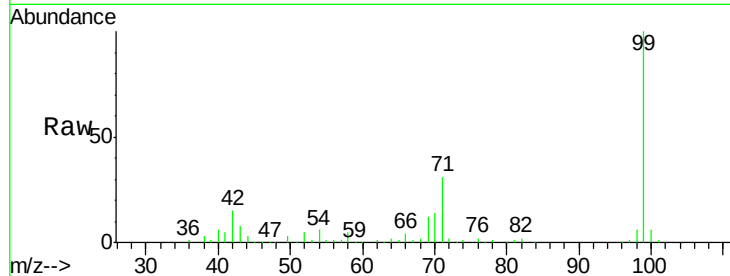
Tot Ion: 99 Resp: 186325

Ion Ratio Lower Upper

99 100

42 14.7 13.6 20.4

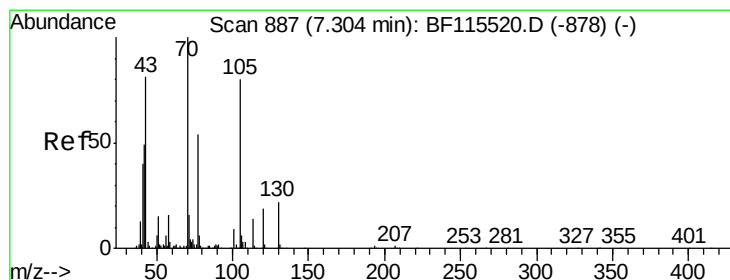
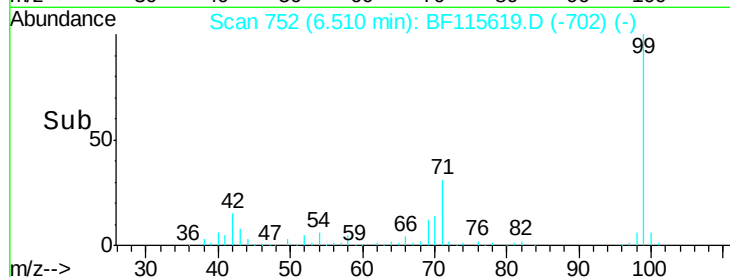
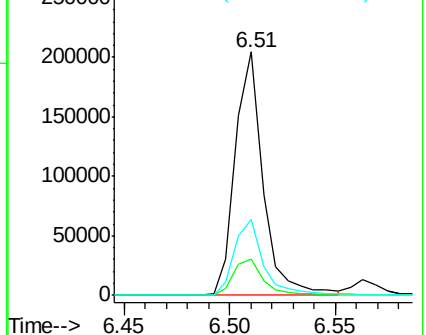
71 31.3 28.5 42.7



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: 2.275 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Tgt Ion: 70 Resp: 15231

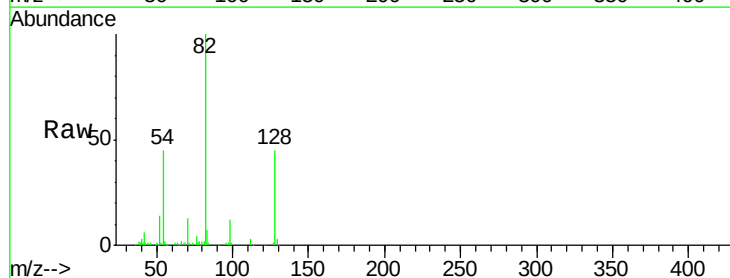
Ion Ratio Lower Upper

70 100

42 44.1 39.6 59.4

101 0.0 8.1 12.1#

130 2.1 18.2 27.2#

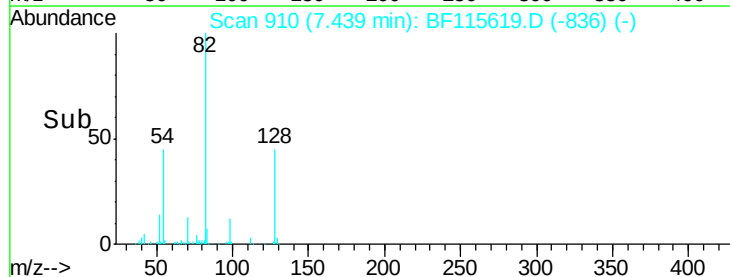
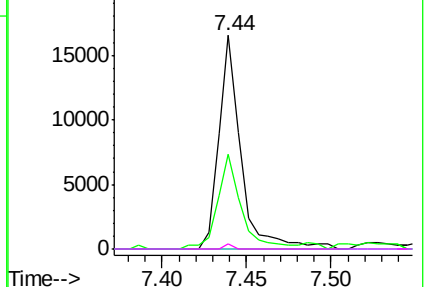


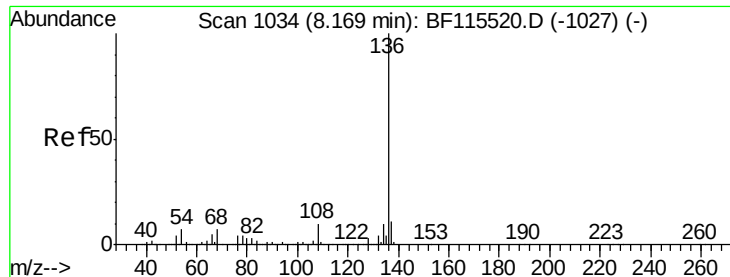
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

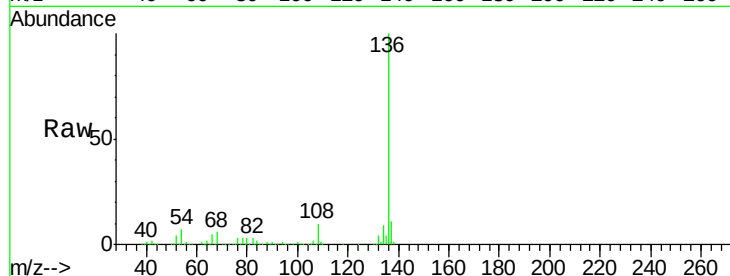




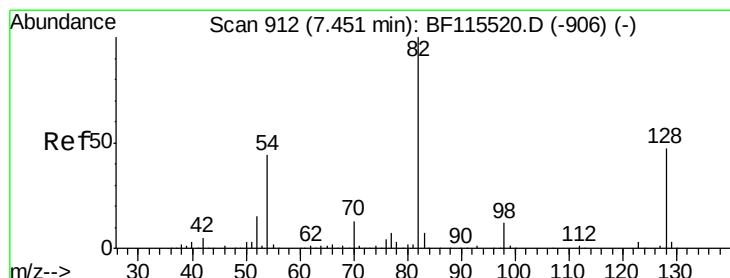
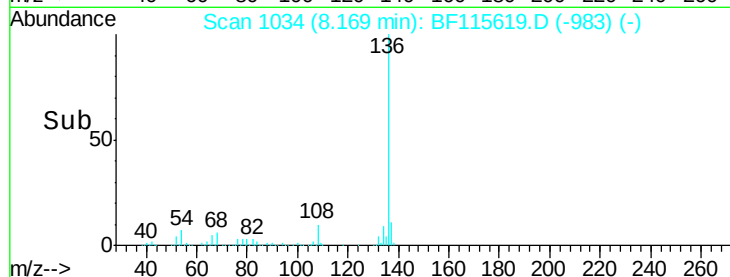
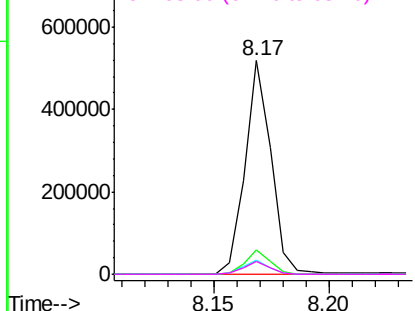
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF115619.D
Acq: 17 Jul 2019 1:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	408460
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.4
54	6.7	5.6 8.4
68	6.2	5.0 7.6

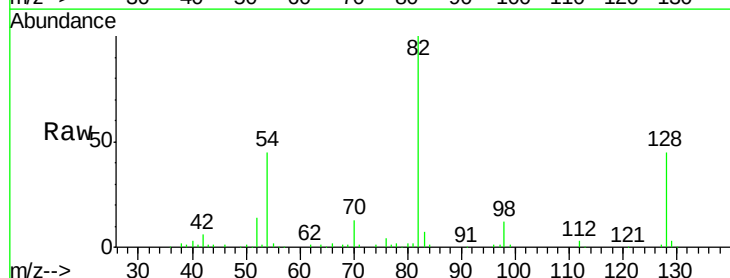


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

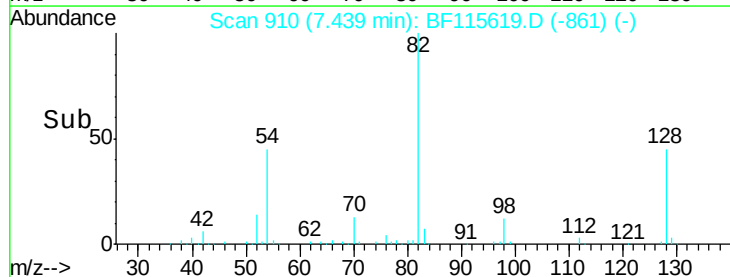
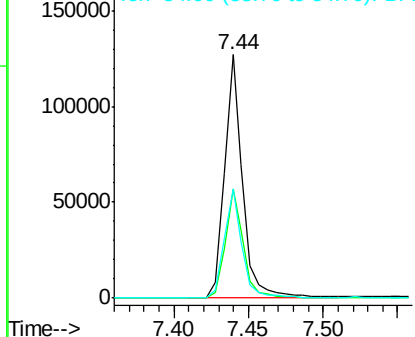


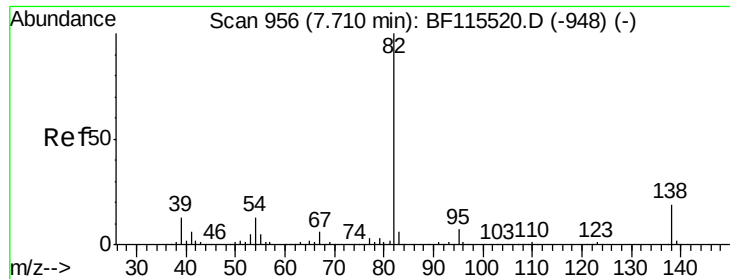
#23
Nitrobenzene-d5
Concen: 15.521 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115619.D
Acq: 17 Jul 2019 1:04

Tgt Ion: 82	Resp:	109028
Ion Ratio	Lower	Upper
82	100	
128	44.8	38.6 57.8
54	45.0	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: 7.577 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Instrument :

BNA_F

ClientSampleId :

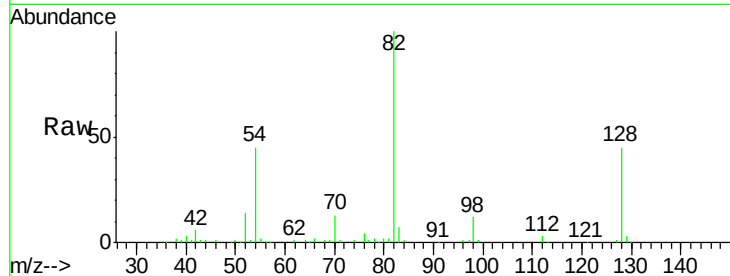
Tot Ion: 82 Resp: 106502

Ion Ratio Lower Upper

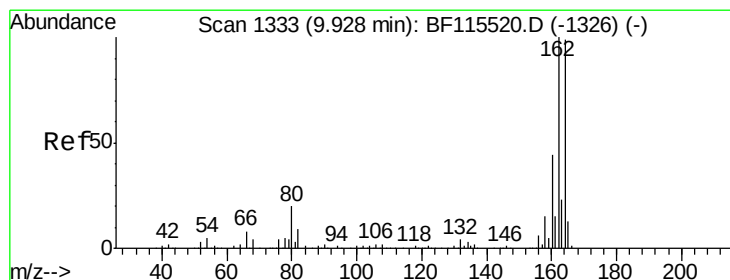
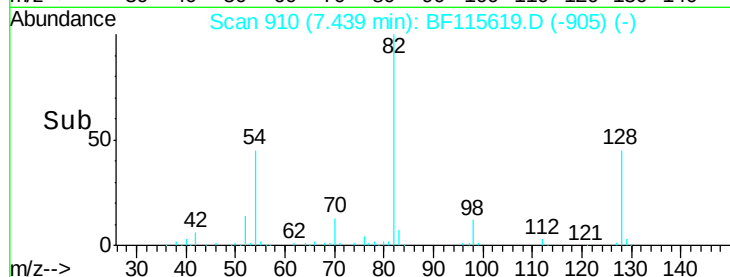
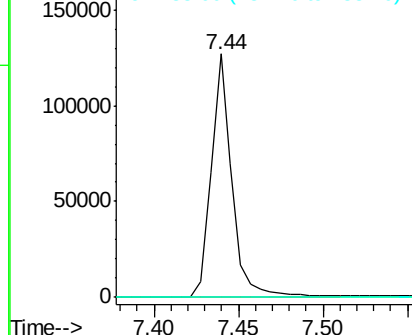
82 100

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: 9.93 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

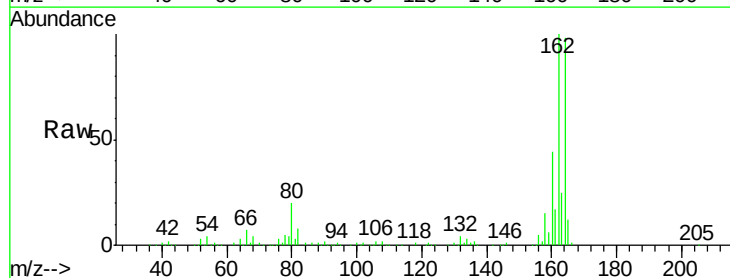
Tgt Ion:164 Resp: 193800

Ion Ratio Lower Upper

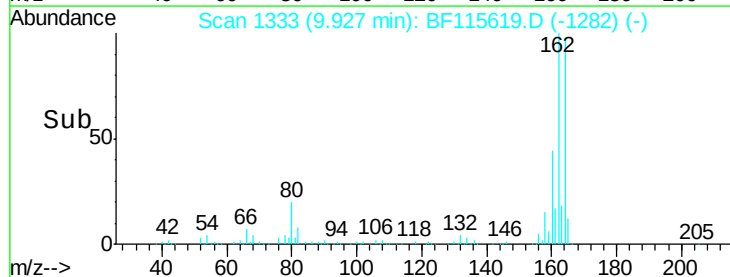
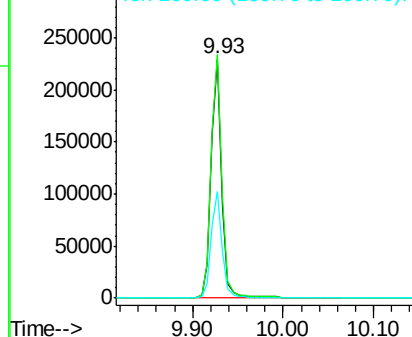
164 100

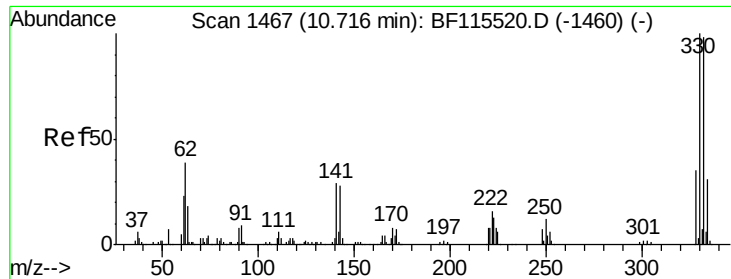
162 102.0 82.9 124.3

160 44.9 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: 16.607 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Instrument :

BNA_F

ClientSampled :

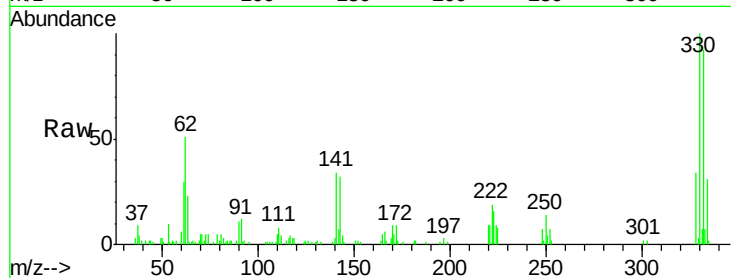
Tot Ion:330 Resp: 37567

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

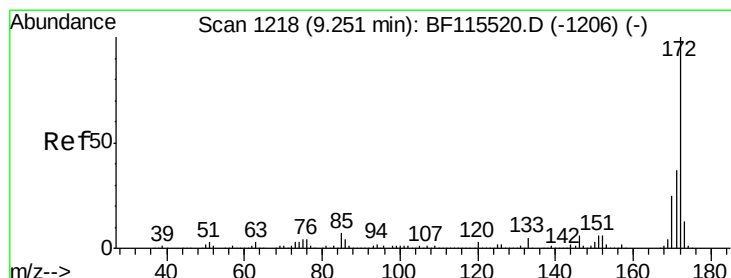
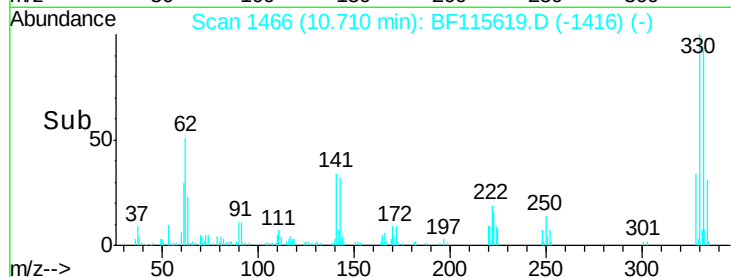
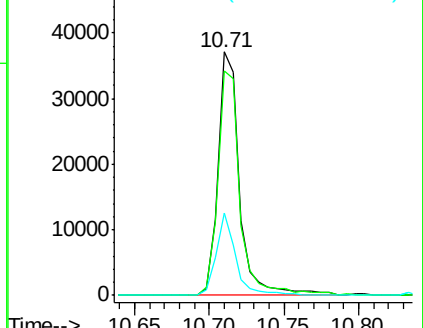
141 30.2 22.4 33.6



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: 16.766 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

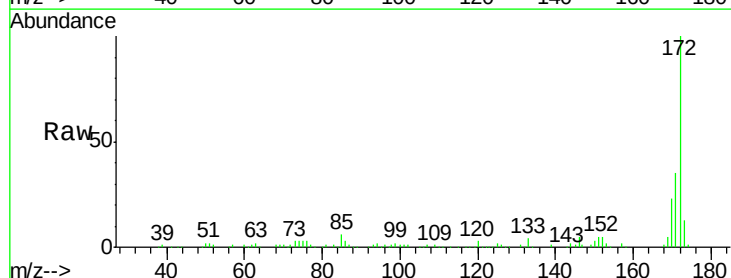
Tgt Ion:172 Resp: 185638

Ion Ratio Lower Upper

172 100

171 35.0 30.6 46.0

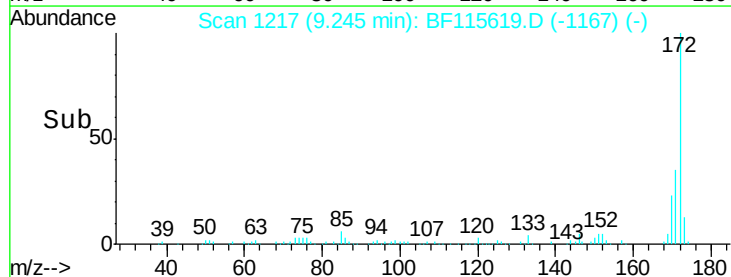
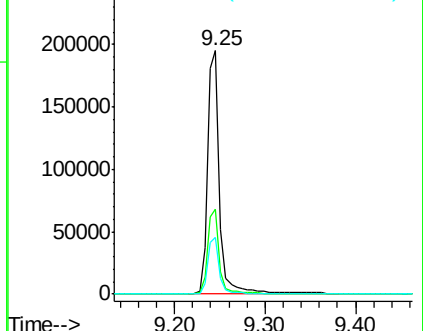
170 23.2 20.5 30.7

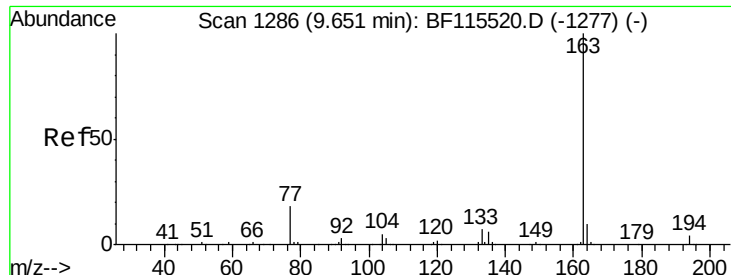


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

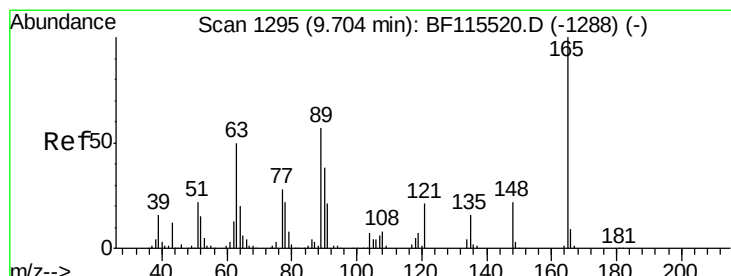
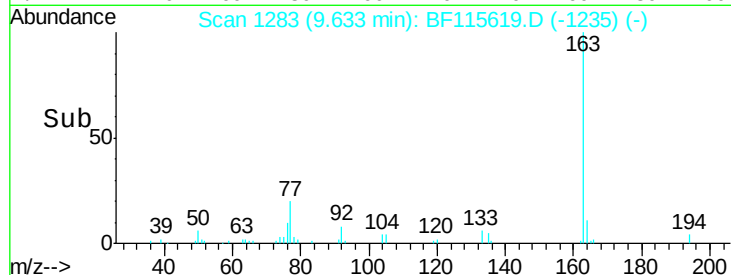
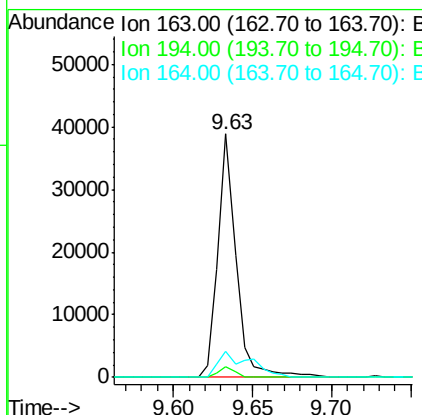
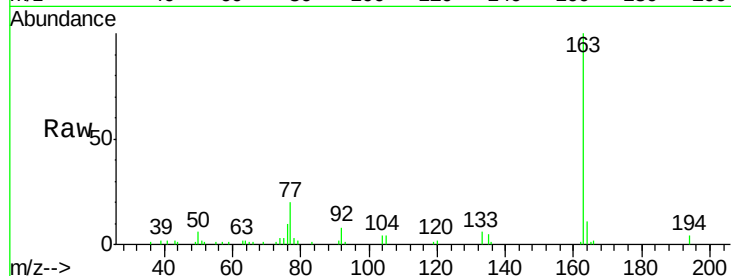




#50
Dimethylphthalate
Concen: 2.153 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF115619.D
Acq: 17 Jul 2019 1:04

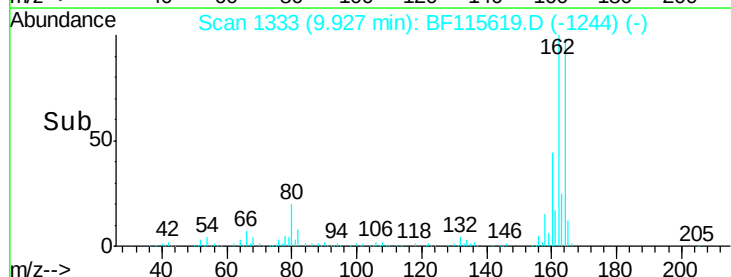
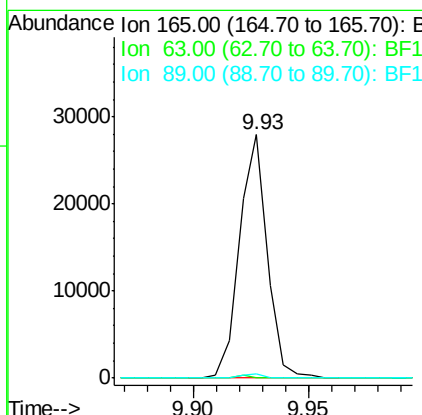
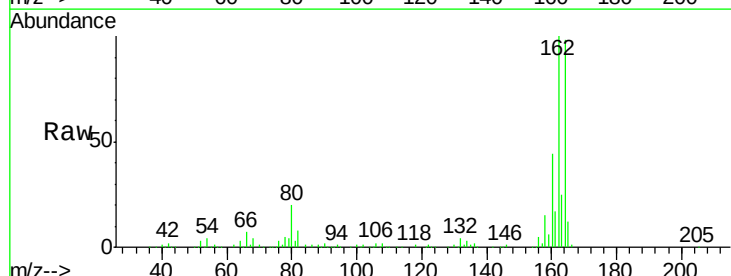
Instrument :
BNA_F
ClientSampled :

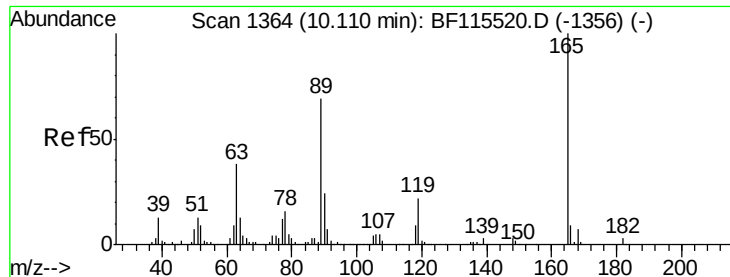
Tot Ion:163 Resp: 31389
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.5 8.7 13.1



#51
2,6-Dinitrotoluene
Concen: 7.057 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF115619.D
Acq: 17 Jul 2019 1:04

Tgt Ion:165 Resp: 23384
Ion Ratio Lower Upper
165 100
63 0.0 40.6 61.0#
89 1.9 43.9 65.9#

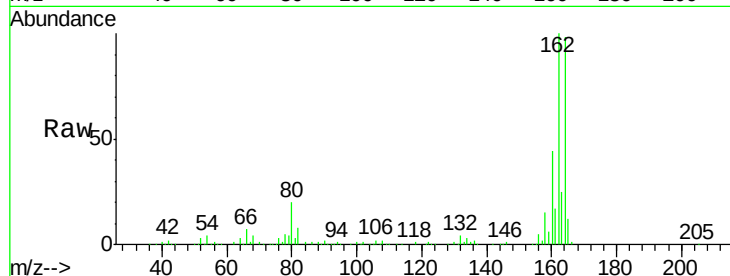




#57
 2,4-Dinitrotoluene
 Concen: 5.447 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF115619.D
 Acq: 17 Jul 2019 1:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.9	52.3#
89	1.9	57.5	86.3#
182	0.0	2.2	3.4#

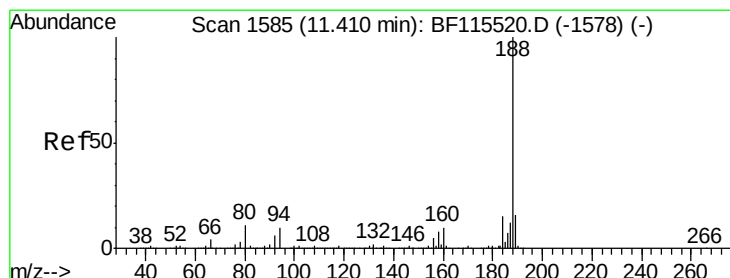
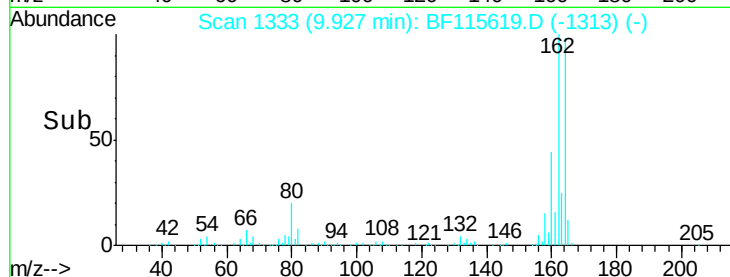
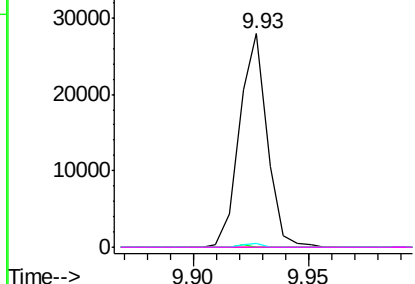


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

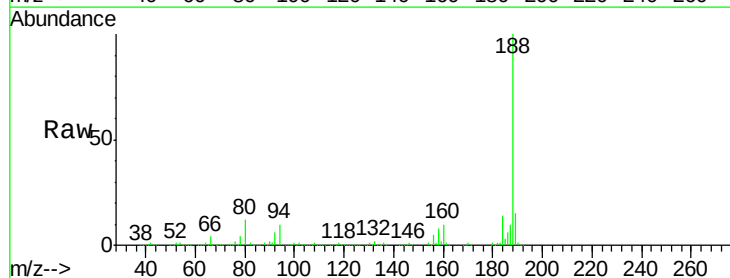
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF115619.D
 Acq: 17 Jul 2019 1:04

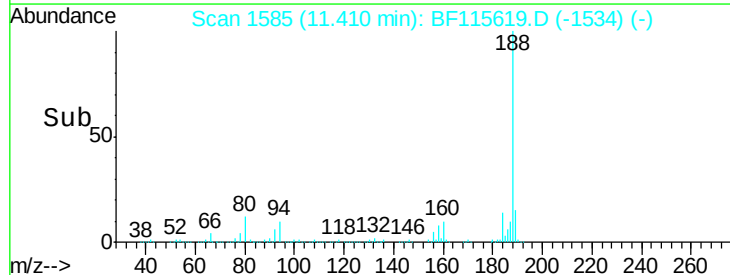
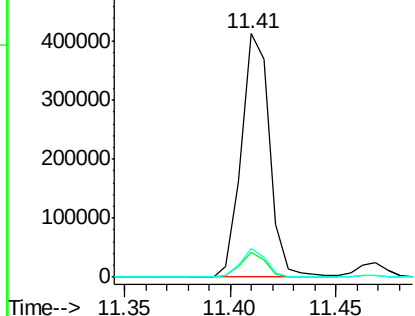
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	11.7	8.6	13.0

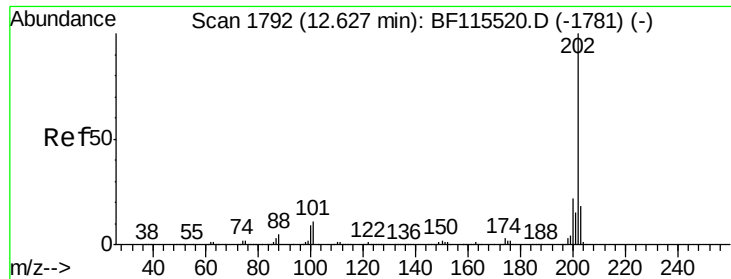


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 3.002 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Instrument :

BNA_F

ClientSampleId :

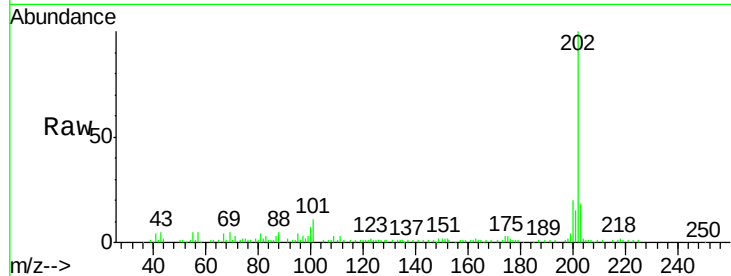
Tot Ion:202 Resp: 62354

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

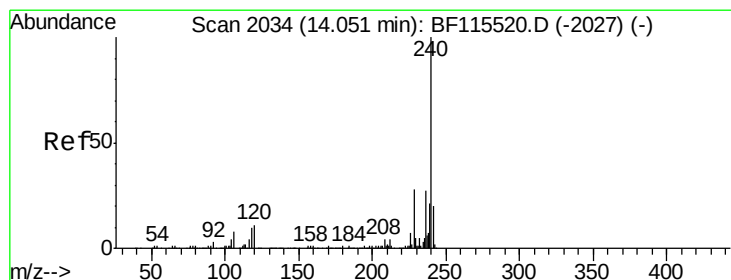
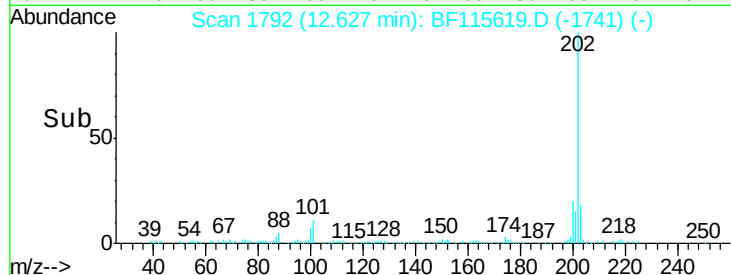
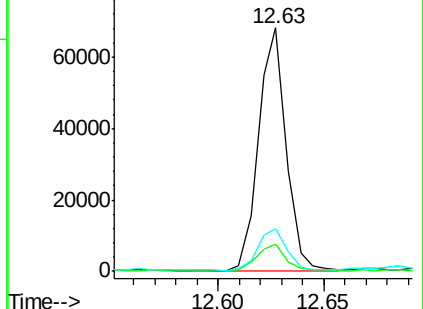
203 17.6 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

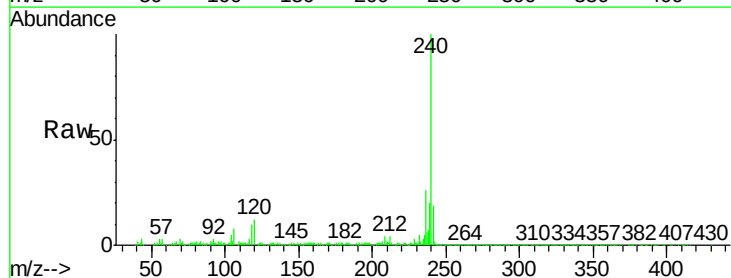
Tgt Ion:240 Resp: 287331

Ion Ratio Lower Upper

240 100

120 11.9 8.6 13.0

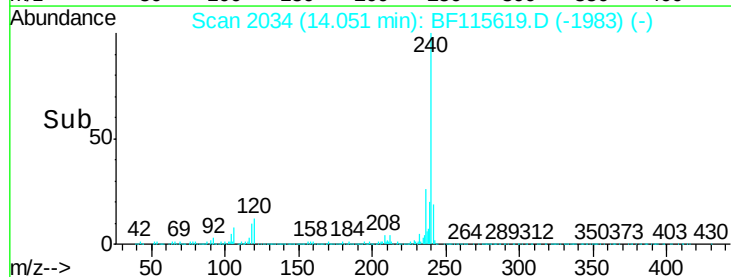
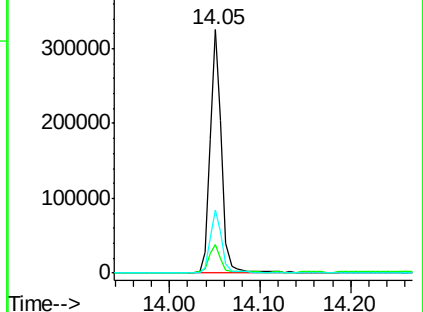
236 25.9 21.3 31.9

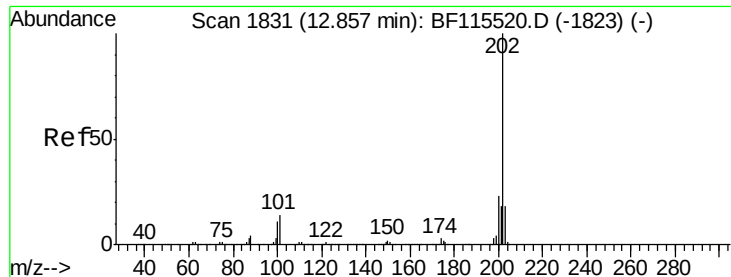


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.301 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Instrument :

BNA_F

ClientSampleId :

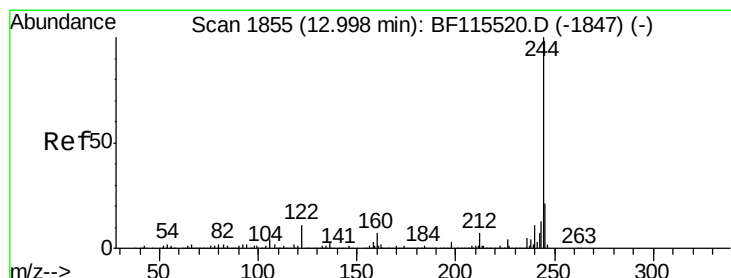
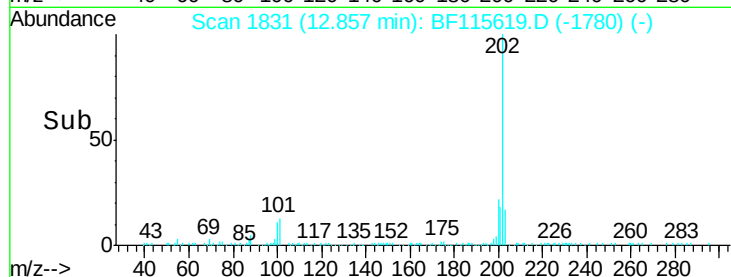
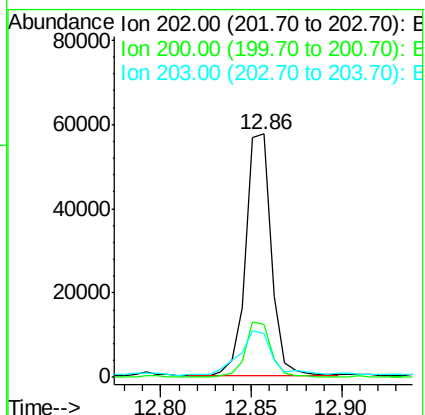
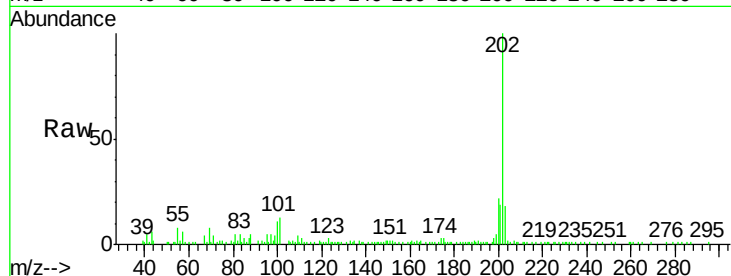
Tot Ion:202 Resp: 56004

Ion Ratio Lower Upper

202 100

200 21.8 18.7 28.1

203 18.2 15.2 22.8



#79

Terphenyl-d14

Concen: 13.970 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

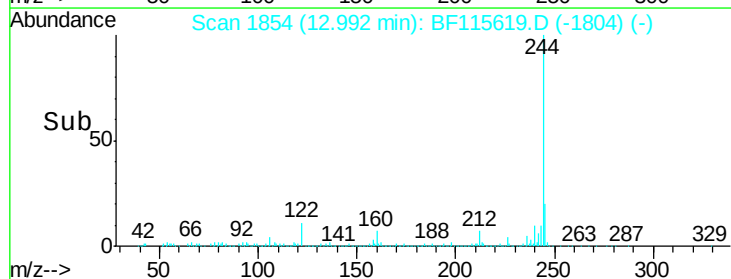
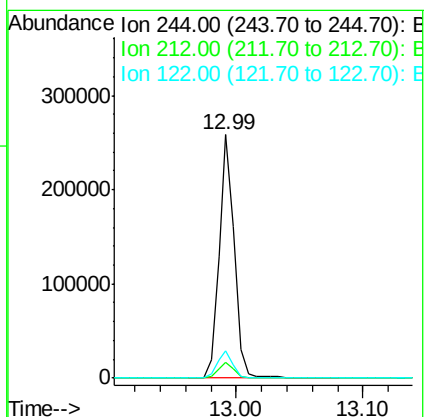
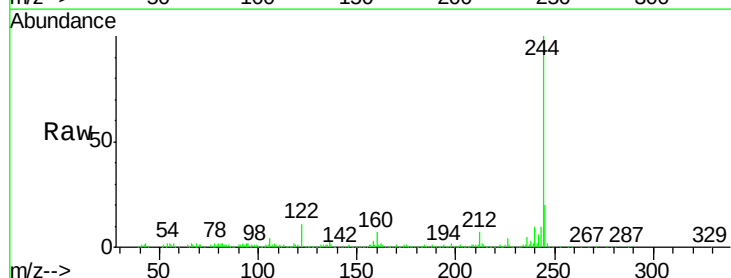
Tgt Ion:244 Resp: 217545

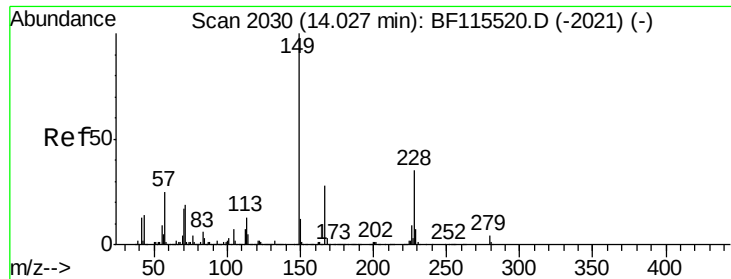
Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

122 11.3 8.6 12.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.010 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

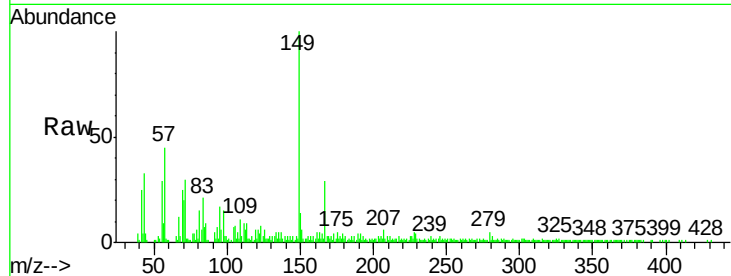
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 38687

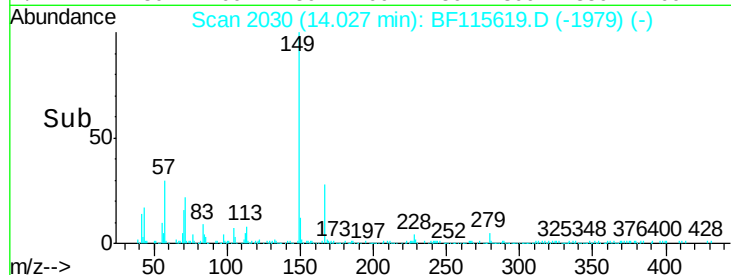
Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.0	34.4
279	5.4	4.2	6.2



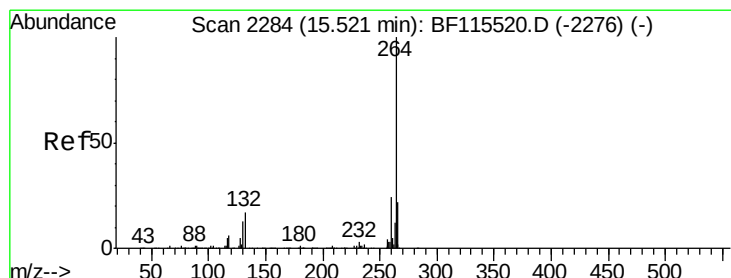
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

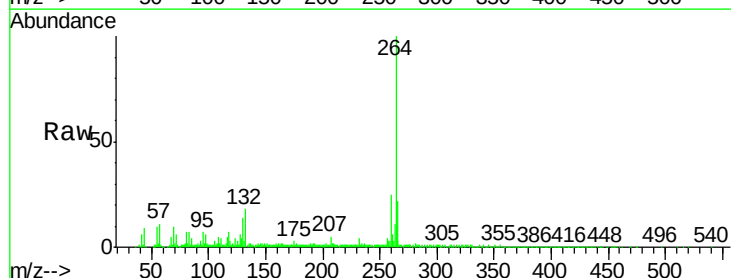
Delta R.T. 0.01 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Tgt Ion:264 Resp: 250962

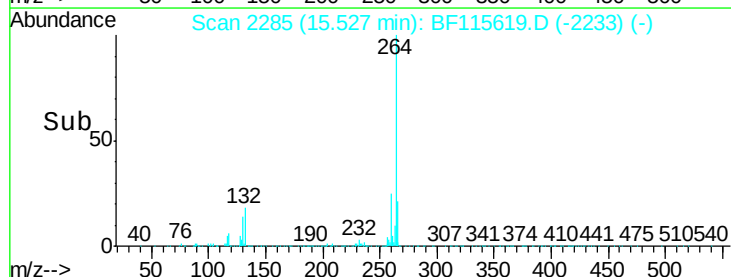
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	21.5	17.7	26.5



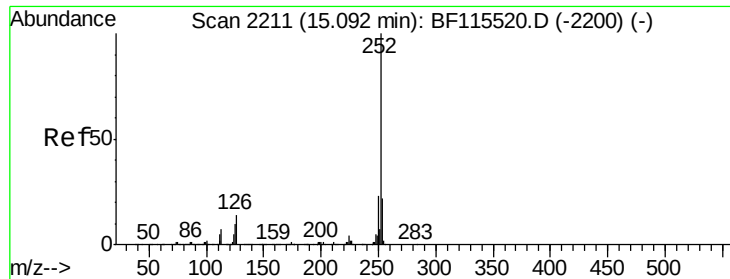
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 3.090 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

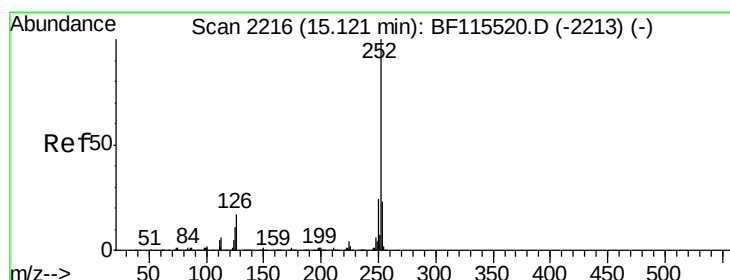
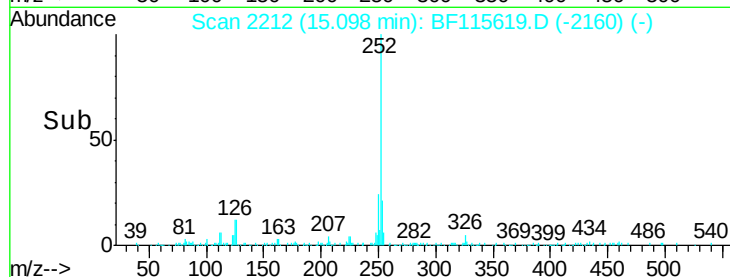
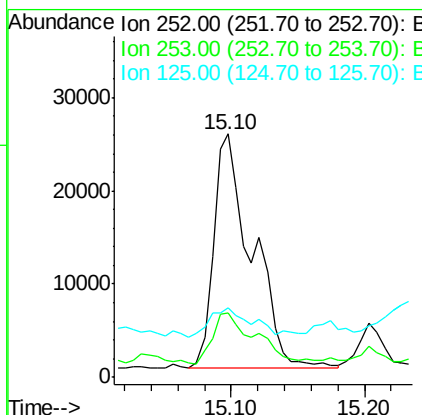
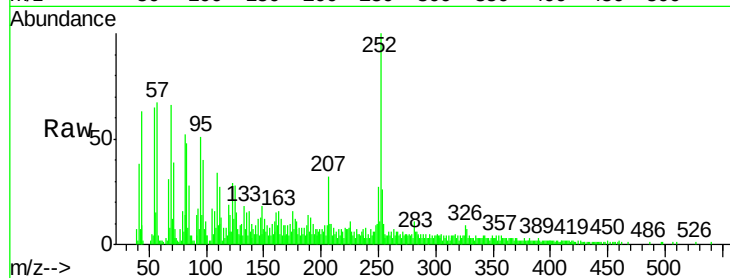
Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 49939

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.1	27.1
125	28.4	9.0	13.4#



#89

Benzo(k)fluoranthene

Concen: 3.466 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.02 min

Lab File: BF115619.D

Acq: 17 Jul 2019 1:04

Tgt Ion:252 Resp: 49939

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.6	28.0
125	28.4	9.0	13.6#

