

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116409.D
 Acq On : 20 Aug 2019 1:05
 Operator : HP/JU
 Sample : K4223-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Quant Time: Aug 20 03:44:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

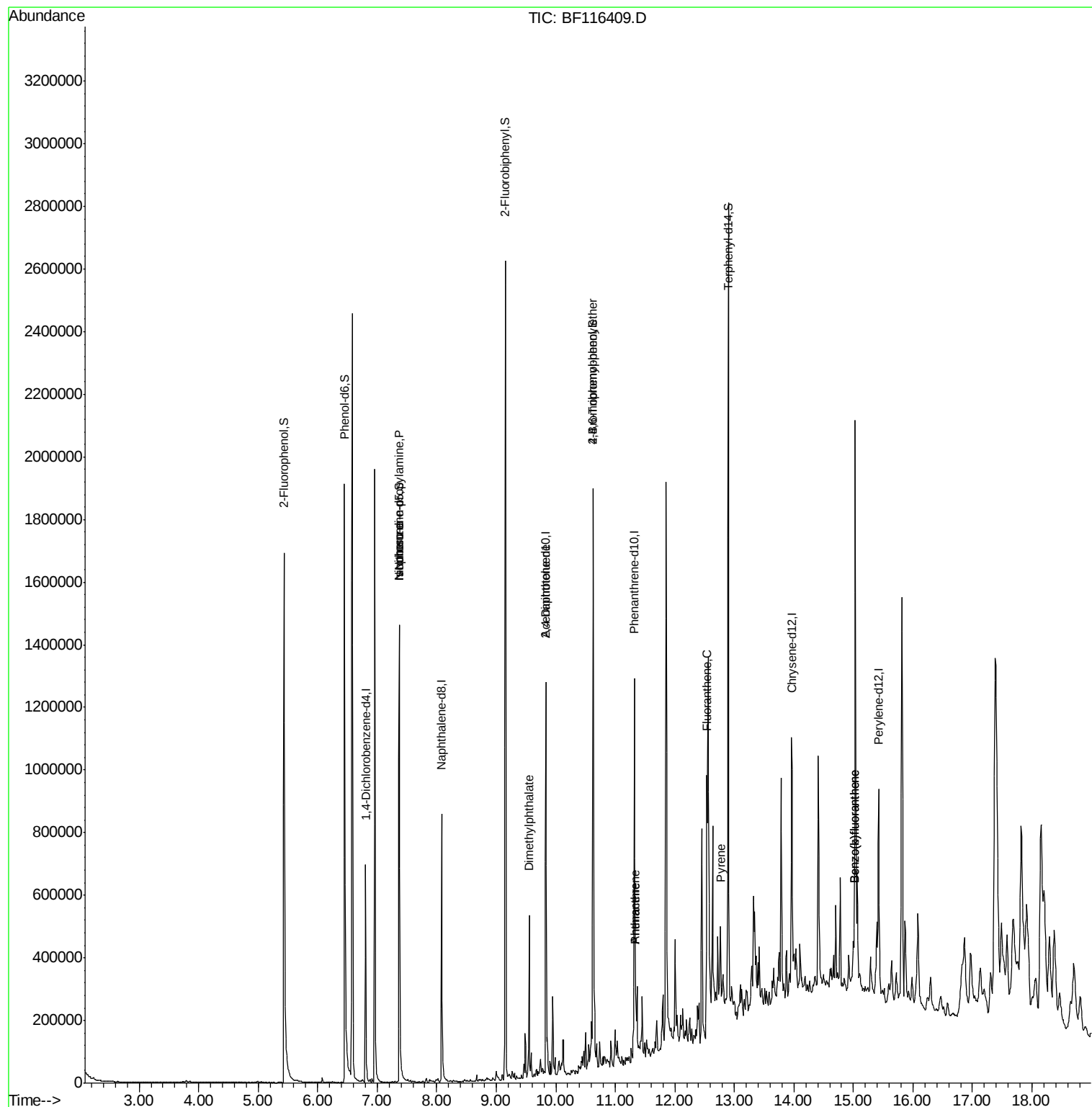
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105612	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	409714	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	226538	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	413353	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	259915	20.00	ng	-0.02
87) Perylene-d12	15.42	264	302740	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	632488	100.26	ng	0.00
7) Phenol-d6	6.45	99	850078	106.80	ng	-0.01
23) Nitrobenzene-d5	7.37	82	528191	74.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	236599	107.72	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	847520	70.08	ng	-0.01
79) Terphenyl-d14	12.90	244	855107	69.32	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	68947	13.979	ng	# 78
25) Isophorone	7.37	82	528191	38.917	ng	# 65
50) Dimethylphthalate	9.55	163	201820	13.084	ng	98
57) 2,4-Dinitrotoluene	9.83	165	29911	6.702	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	14404	3.255	ng	# 1
71) Phenanthrene	11.35	178	49846	2.359	ng	98
72) Anthracene	11.35	178	49846	2.331	ng	100
75) Fluoranthene	12.54	202	85632	3.871	ng	98
78) Pyrene	12.77	202	72358	3.693	ng	98
88) Benzo(b)fluoranthene	15.01	252	55688	3.181	ng	# 87
89) Benzo(k)fluoranthene	15.01	252	55688	3.266	ng	# 86

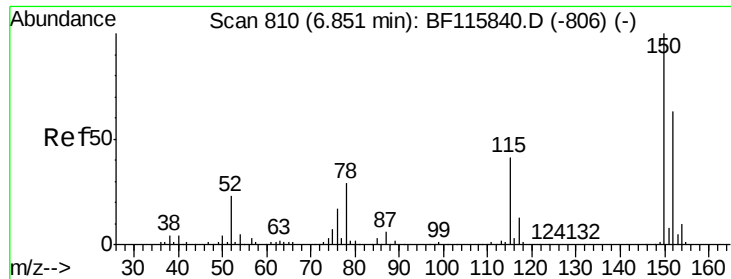
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
Operator : HP/JU
Sample : K4223-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

Quant Time: Aug 20 03:44:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 06:03:31 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

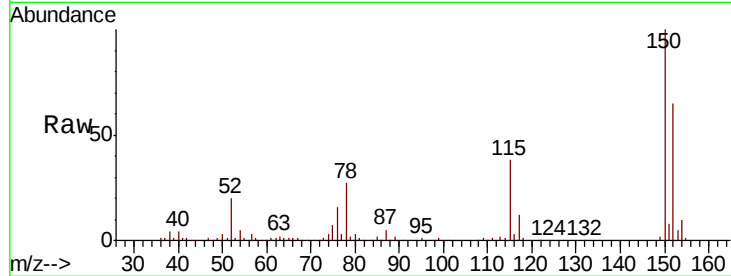
Tgt Ion:152 Resp: 105612

Ion Ratio Lower Upper

152 100

150 153.5 126.2 189.2

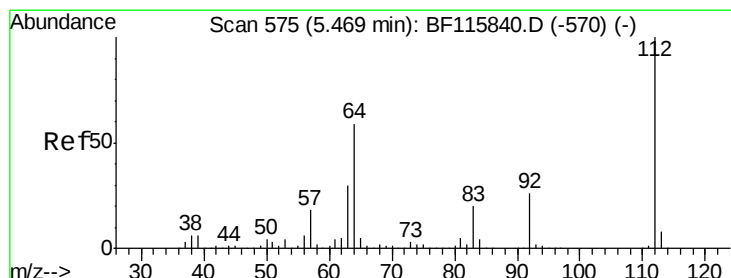
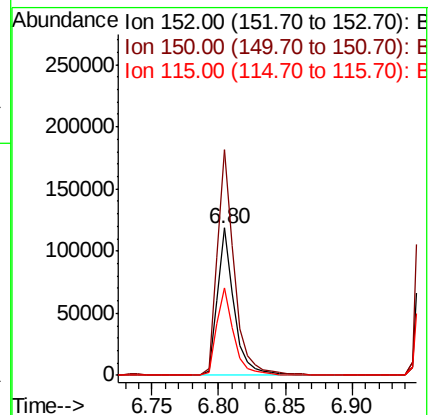
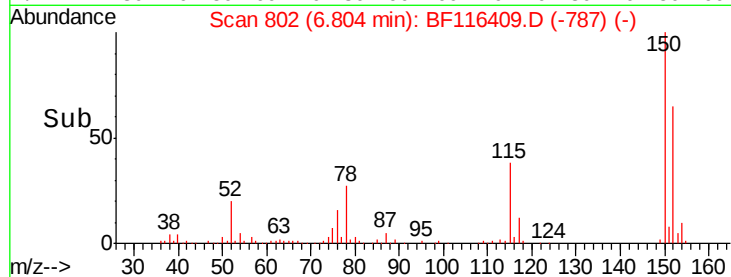
115 59.0 49.9 74.9



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: 100.256 ng

RT: 5.43 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

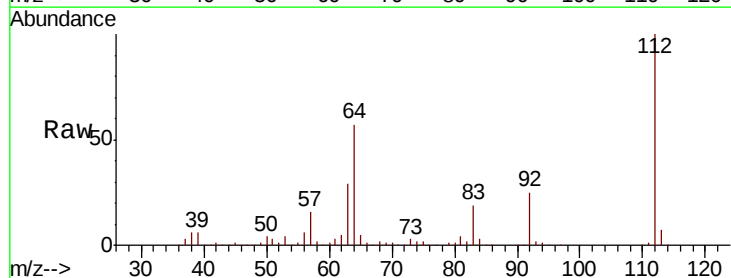
Tgt Ion:112 Resp: 632488

Ion Ratio Lower Upper

112 100

64 57.2 45.4 68.2

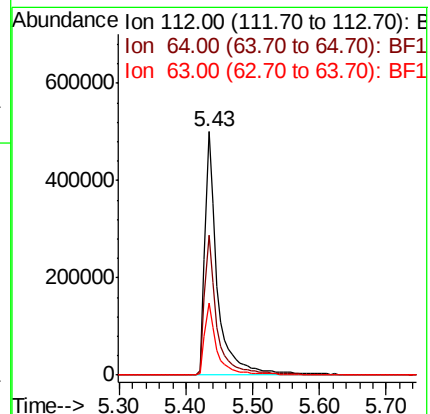
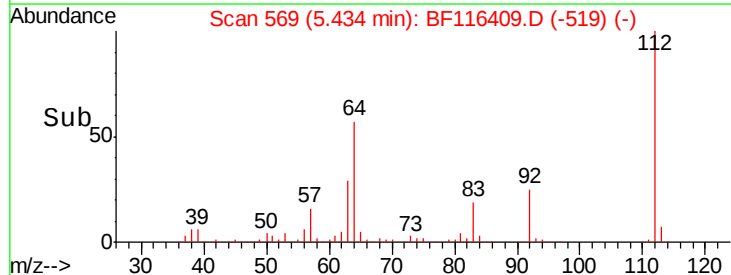
63 29.5 23.7 35.5



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: 106.799 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

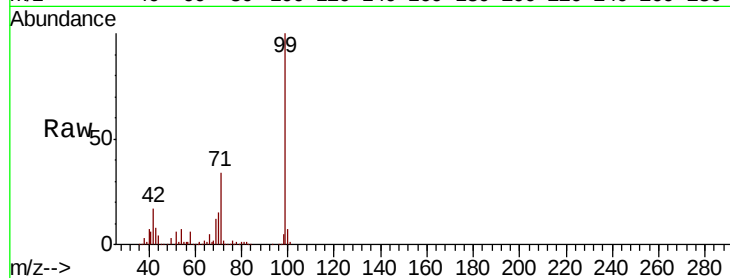
Tgt Ion: 99 Resp: 850078

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

71 33.9 27.3 40.9



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

800000

600000

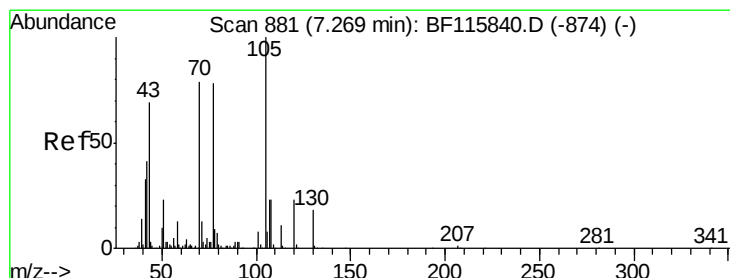
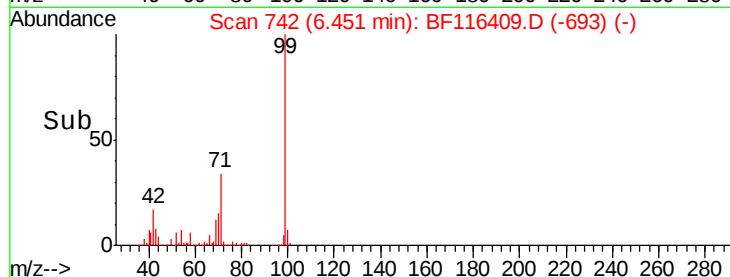
400000

200000

0

6.40 6.45 6.50 6.55 6.60 6.65 6.70 6.75 6.80

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.979 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Tgt Ion: 70 Resp: 68947

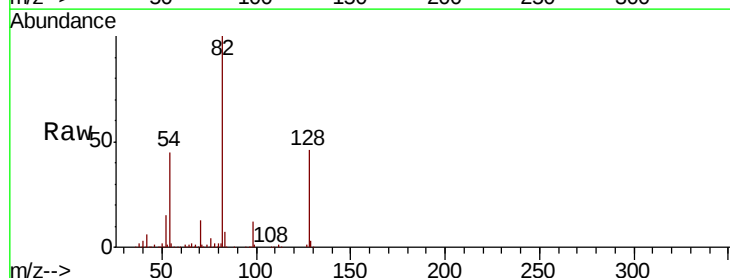
Ion Ratio Lower Upper

70 100

42 42.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#



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

100000

80000

60000

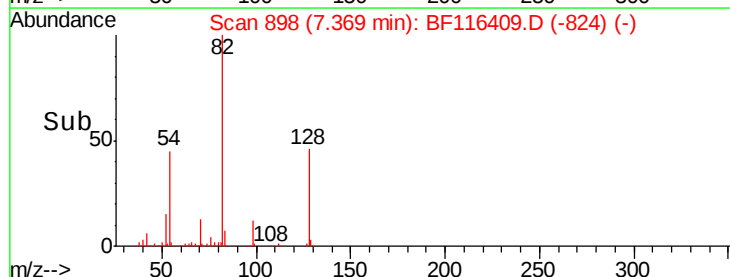
40000

20000

0

7.30 7.35 7.40 7.45 7.50

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

Tgt Ion: 136 Resp: 409714

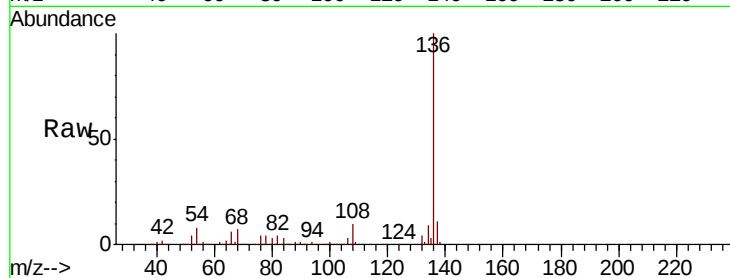
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.6 5.8 8.6

68 6.7 5.2 7.8

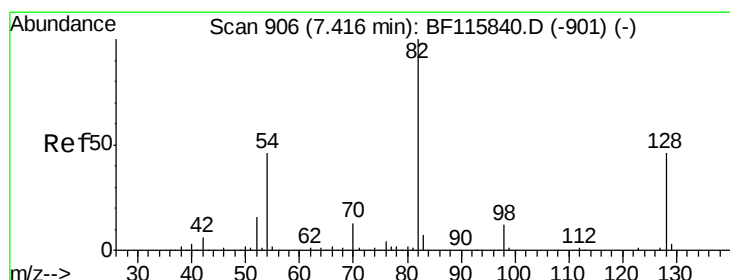
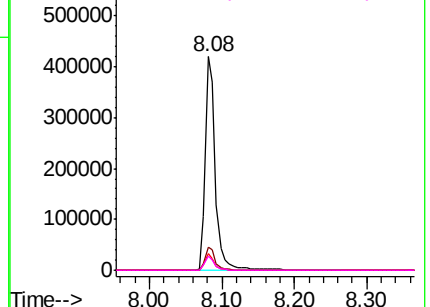
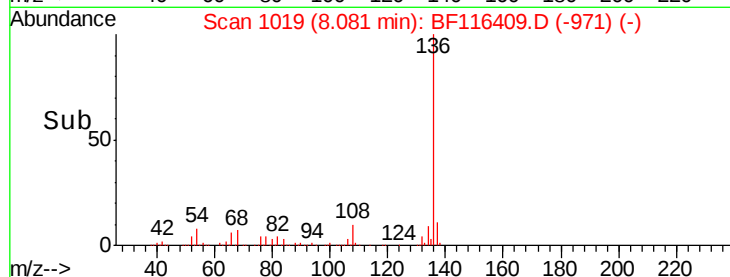


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.415 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

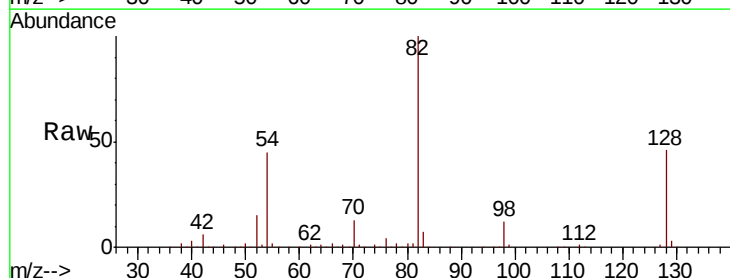
Tgt Ion: 82 Resp: 528191

Ion Ratio Lower Upper

82 100

128 46.1 36.5 54.7

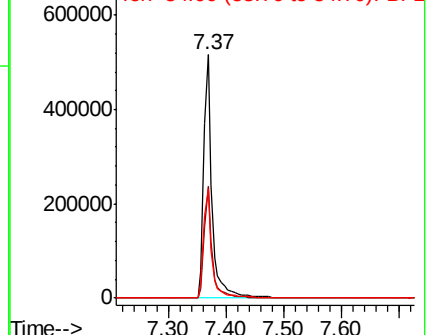
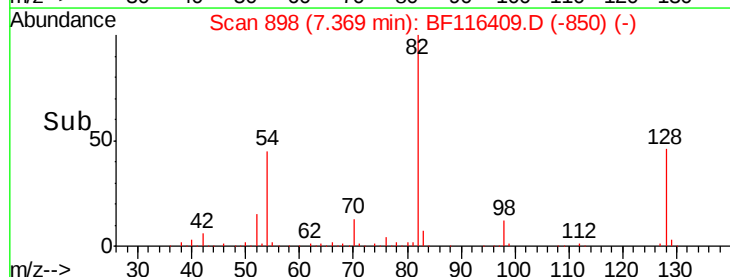
54 44.7 36.0 54.0

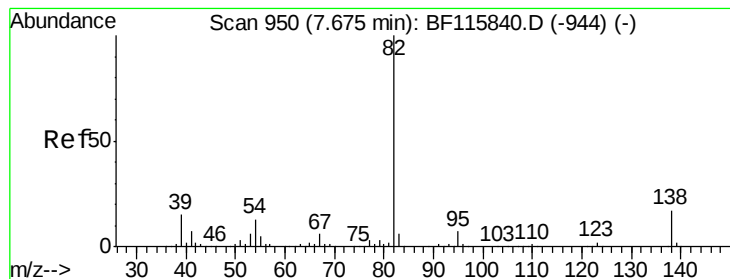


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.917 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

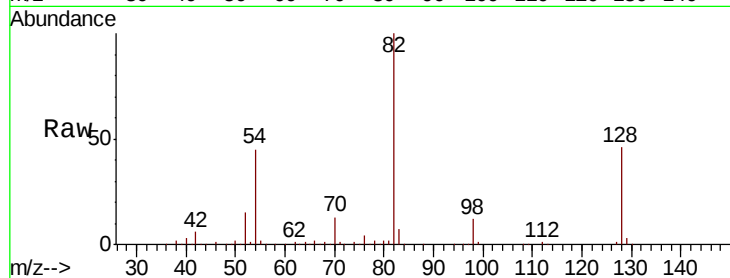
Tgt Ion: 82 Resp: 528191

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

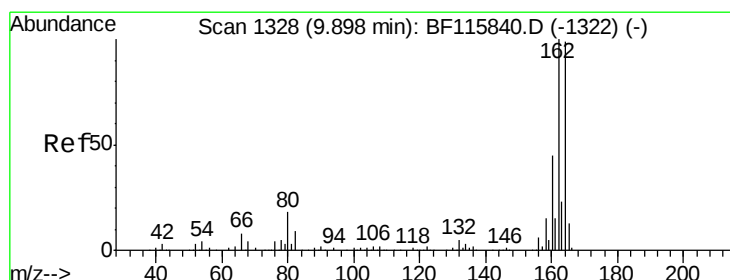
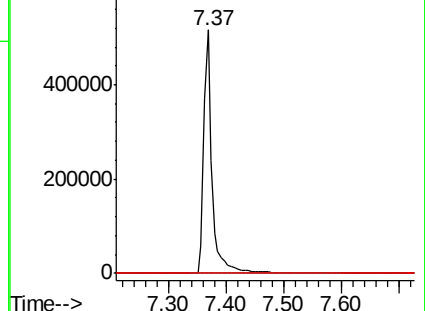
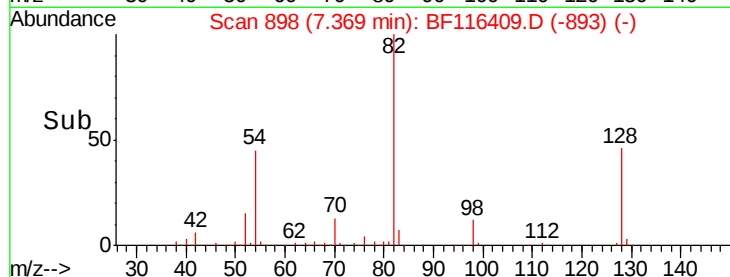
138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

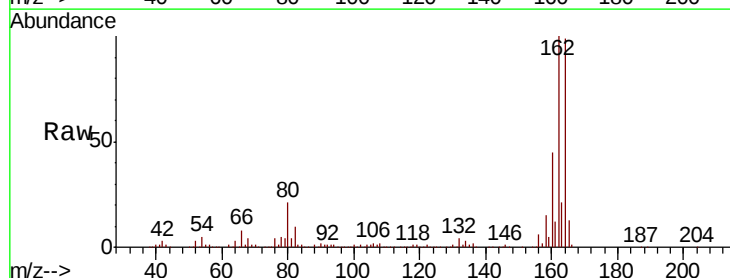
Tgt Ion: 164 Resp: 226538

Ion Ratio Lower Upper

164 100

162 100.5 82.6 124.0

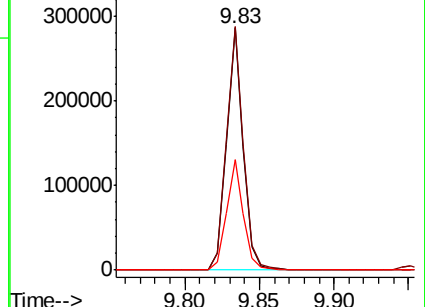
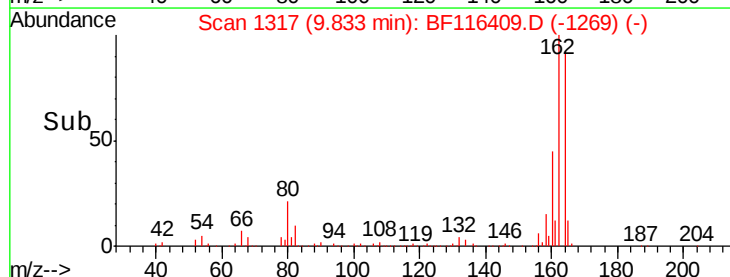
160 45.5 37.6 56.4

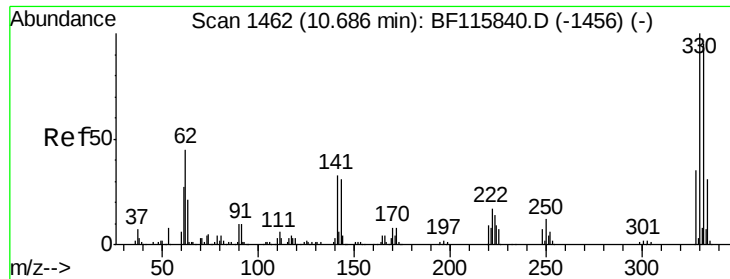


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

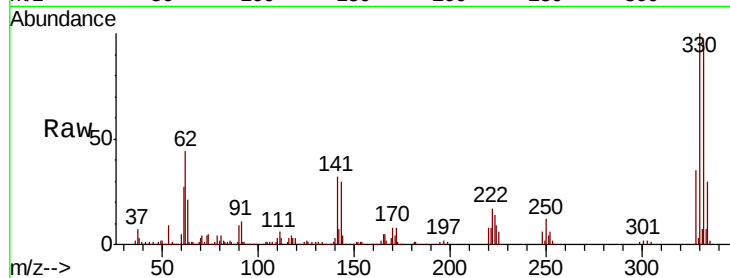




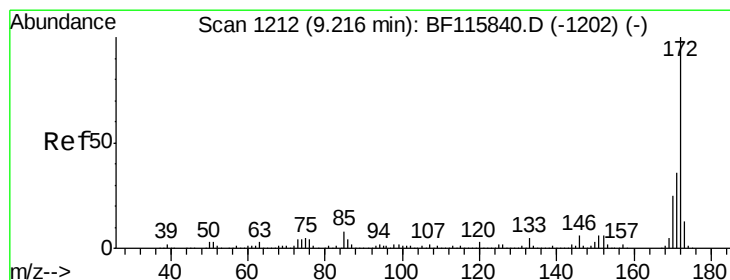
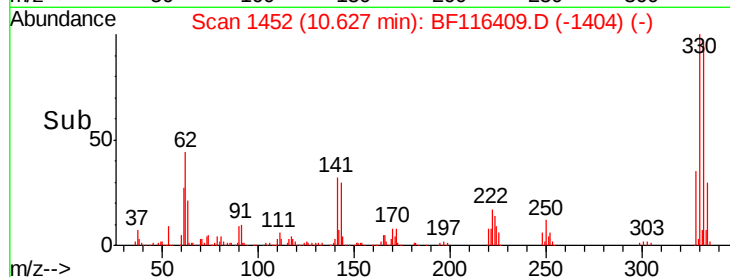
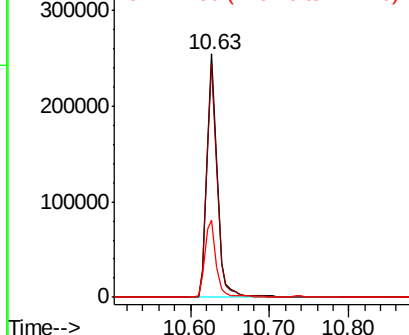
#42
 2,4,6-Tribromophenol
 Concen: 107.724 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Tgt Ion: 330 Resp: 236599
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.8 115.2
 141 34.8 26.3 39.5

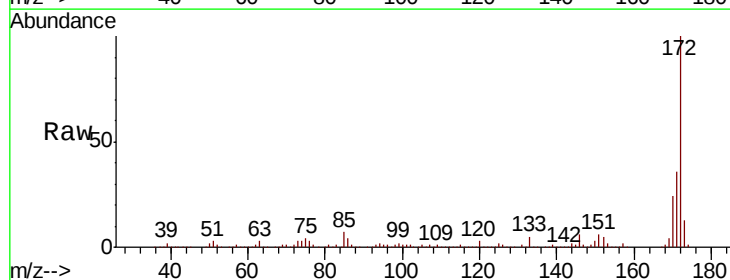


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

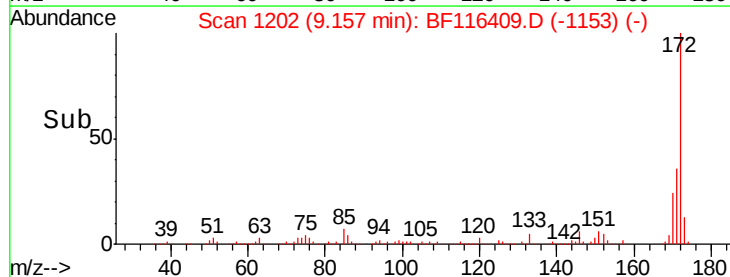
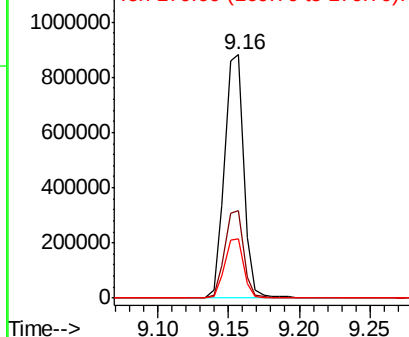


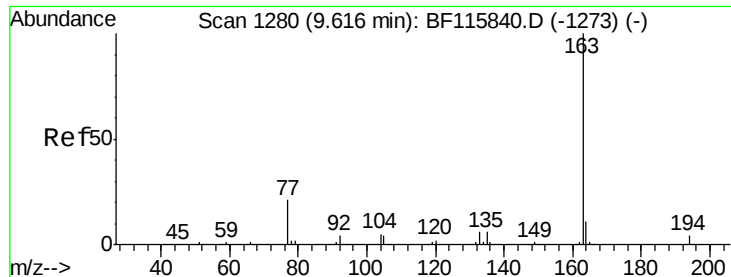
#45
 2-Fluorobiphenyl
 Concen: 70.075 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Tgt Ion: 172 Resp: 847520
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.5 20.1 30.1



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: 13.084 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

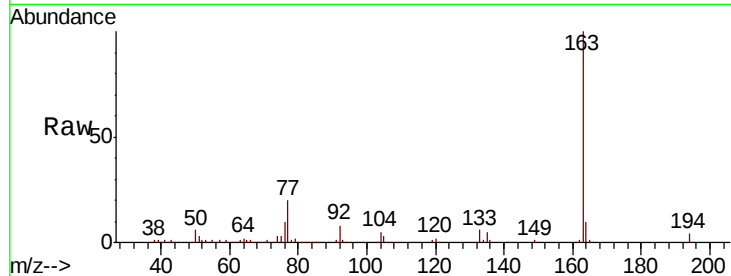
Tgt Ion:163 Resp: 201820

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

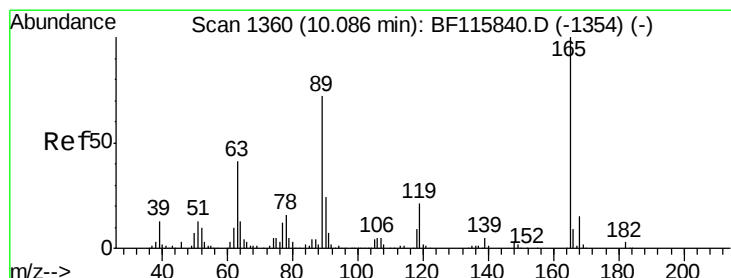
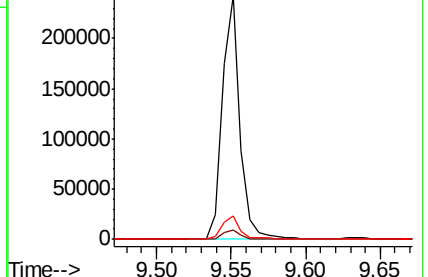
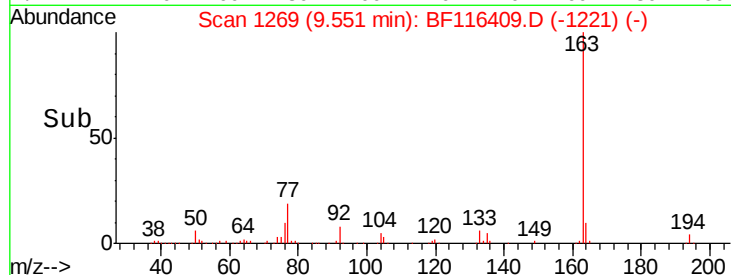
164 9.7 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 6.702 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Tgt Ion:165 Resp: 29911

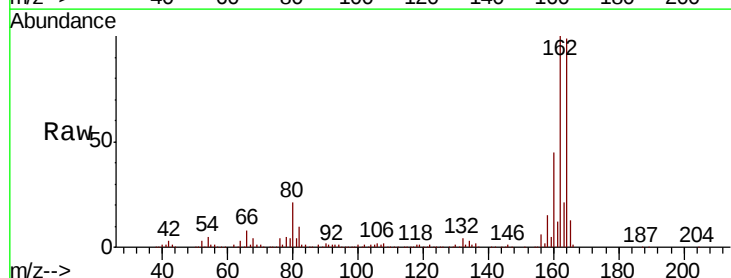
Ion Ratio Lower Upper

165 100

63 1.5 39.6 59.4#

89 1.6 62.2 93.2#

182 0.0 2.1 3.1#

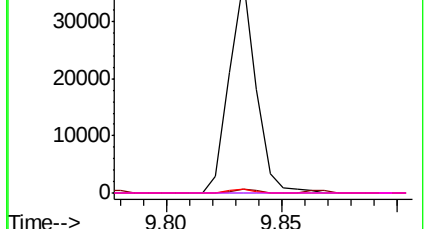
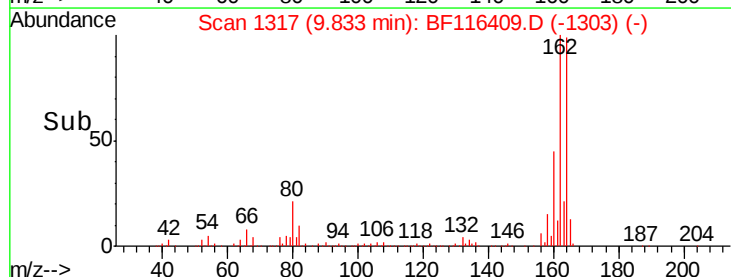


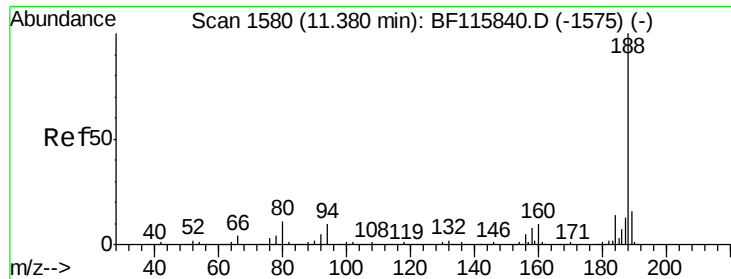
Abundance Ion 165.00 (164.70 to 165.70): E

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

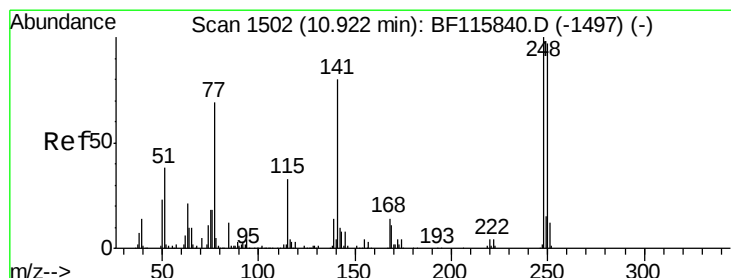
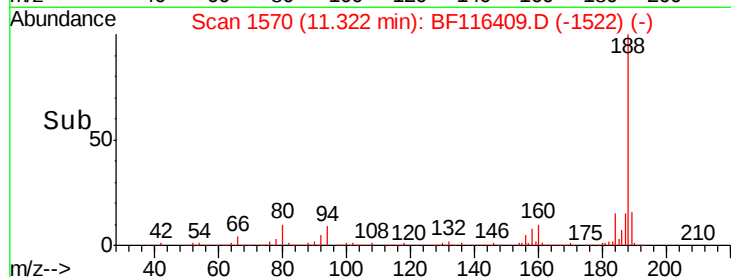
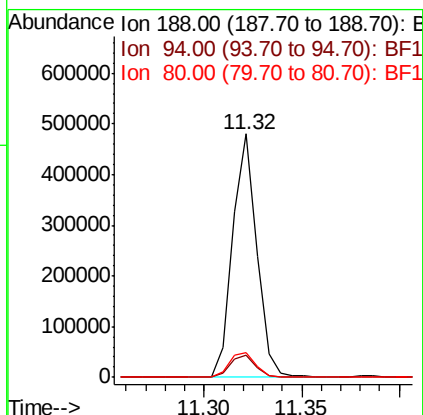
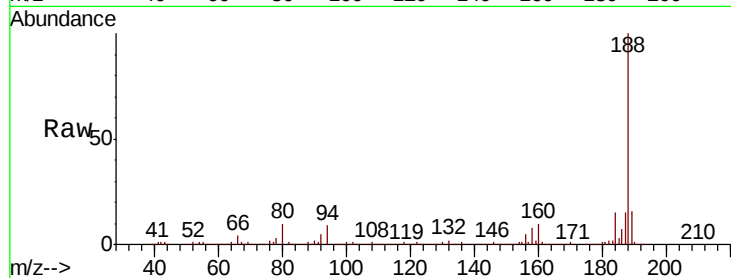




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

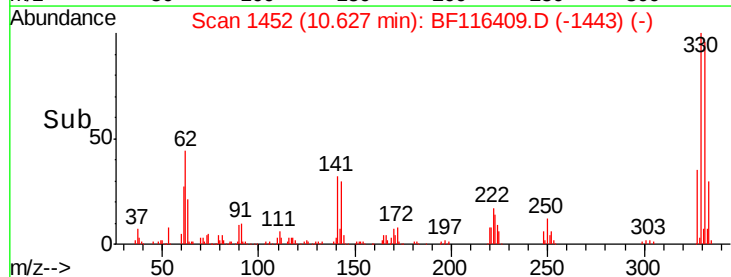
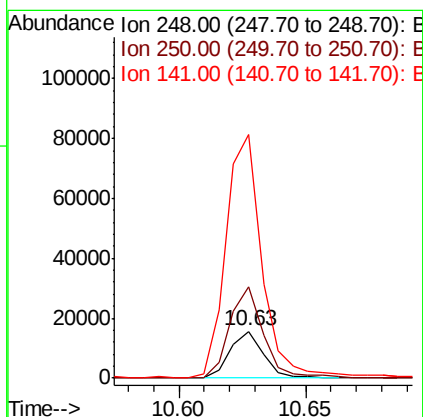
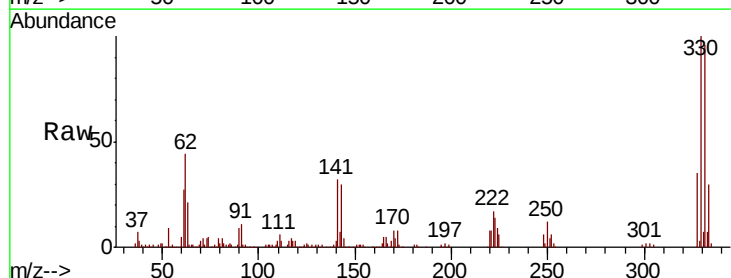
Instrument :
 BNA_F
 ClientSampleId :
 SP-6

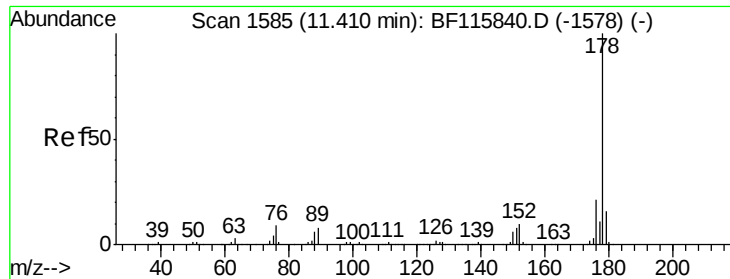
Tgt Ion:188 Resp: 413353
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.1 12.1
 80 10.4 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.255 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Tgt Ion:248 Resp: 14404
 Ion Ratio Lower Upper
 248 100
 250 194.3 77.4 116.2#
 141 517.6 56.8 85.2#

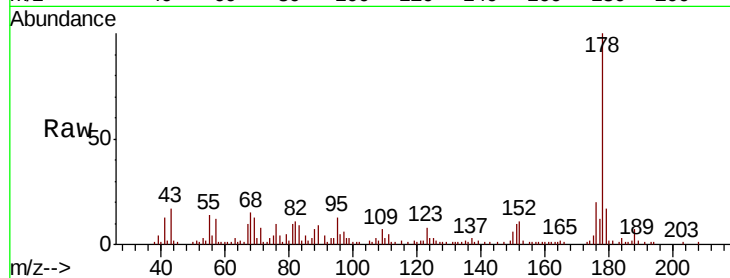




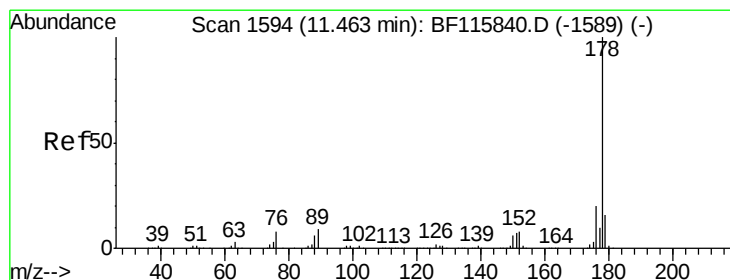
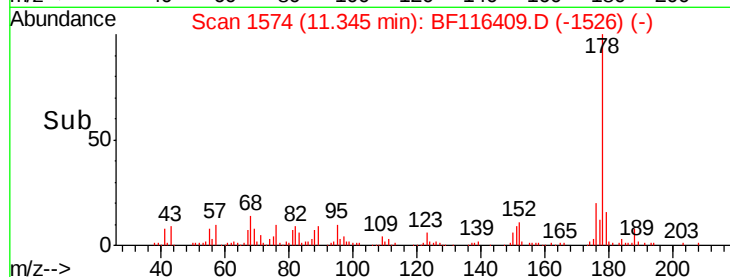
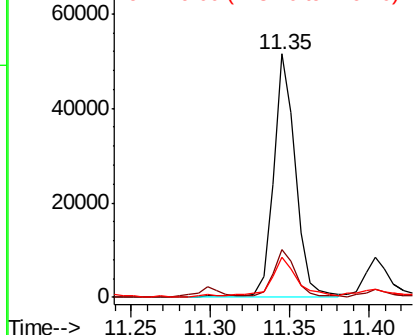
#71
 Phenanthrene
 Concen: 2.359 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Tgt Ion:178 Resp: 49846
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.6 24.8
 179 16.7 12.5 18.7

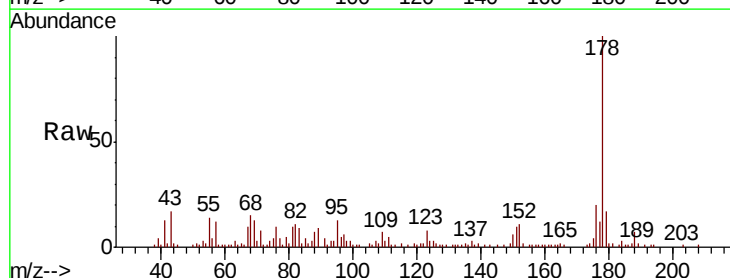


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

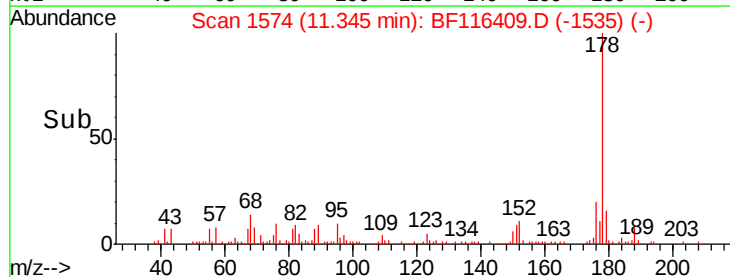
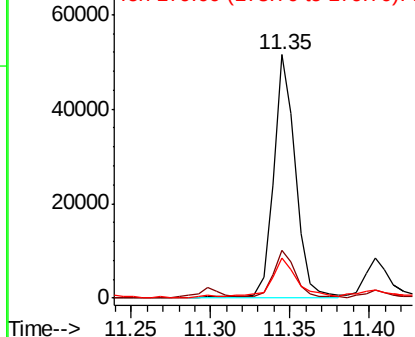


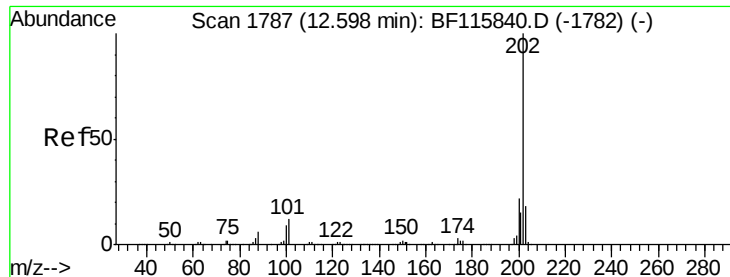
#72
 Anthracene
 Concen: 2.331 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.07 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Tgt Ion:178 Resp: 49846
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.7 23.5
 179 16.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.871 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

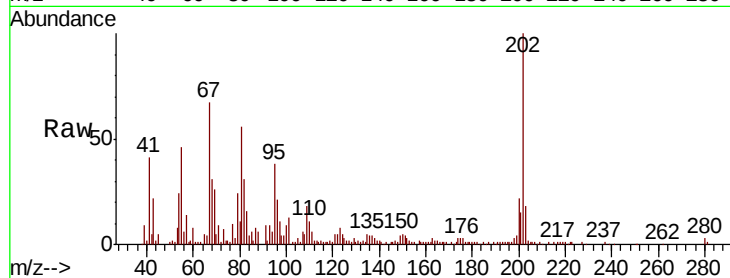
Tgt Ion:202 Resp: 85632

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.2

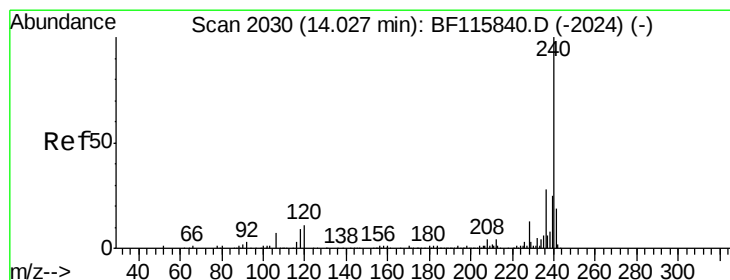
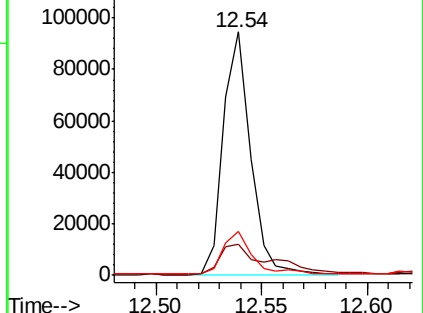
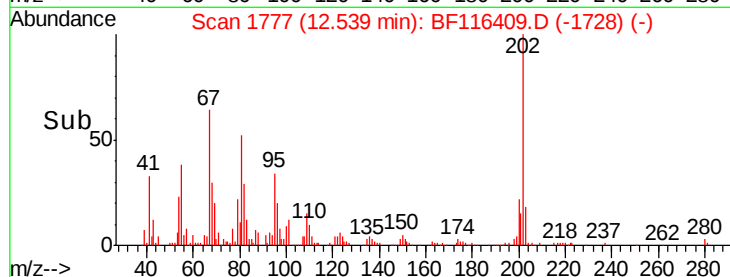
203 18.2 0.0 37.8



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

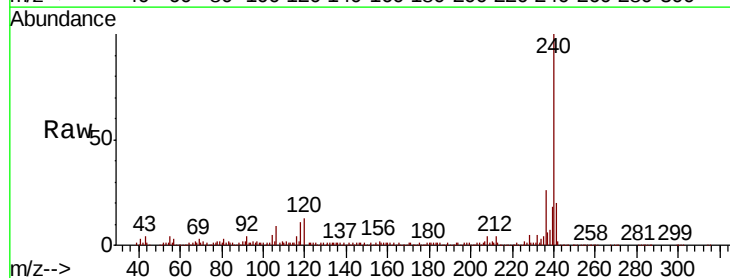
Tgt Ion:240 Resp: 259915

Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

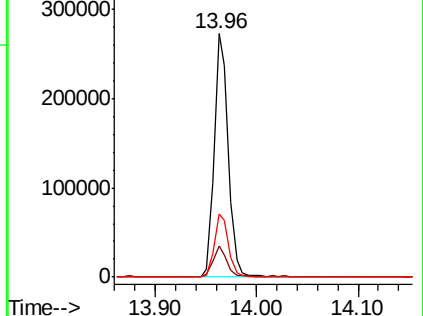
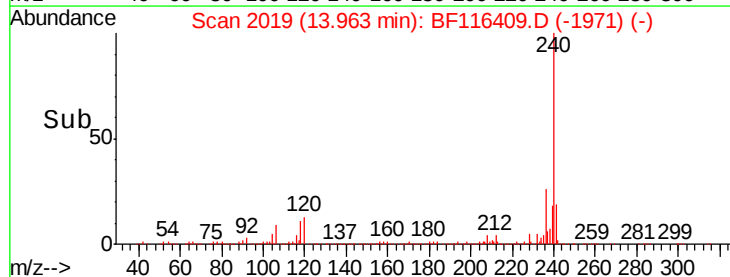
236 26.1 22.2 33.2

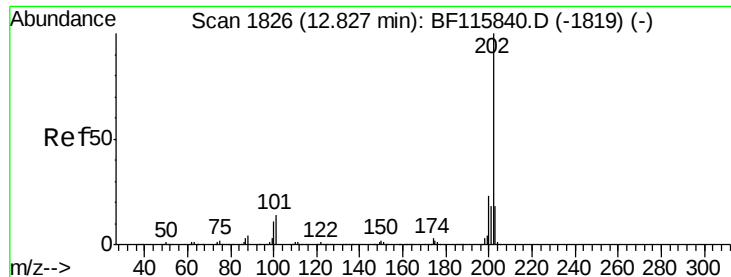


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

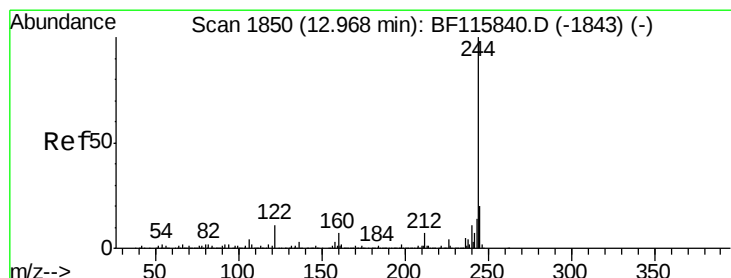
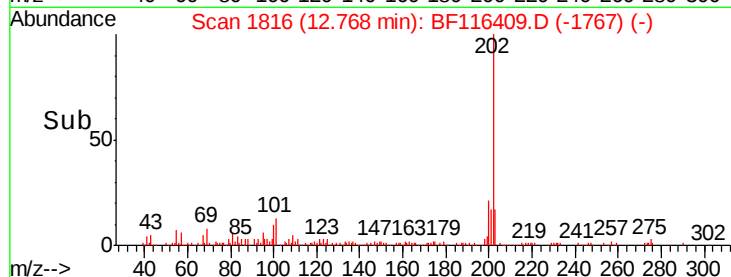
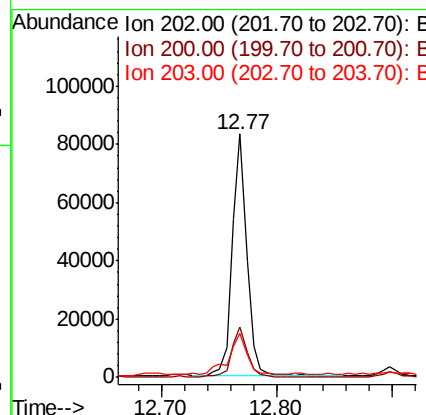
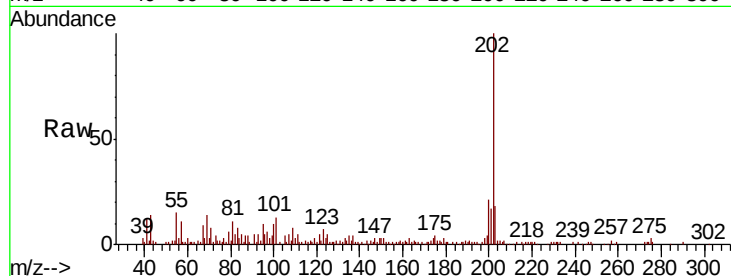




#78
 Pyrene
 Concen: 3.693 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

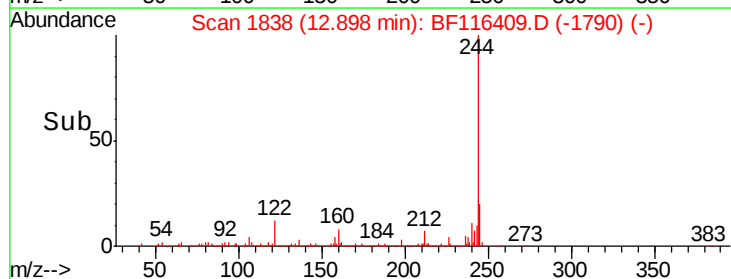
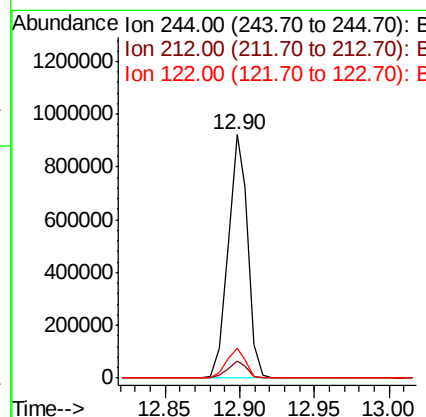
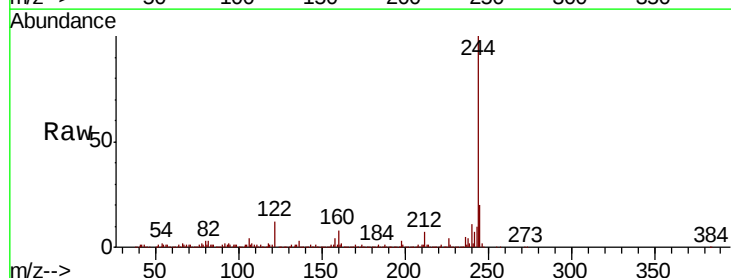
Instrument :
 BNA_F
 ClientSampleId :
 SP-6

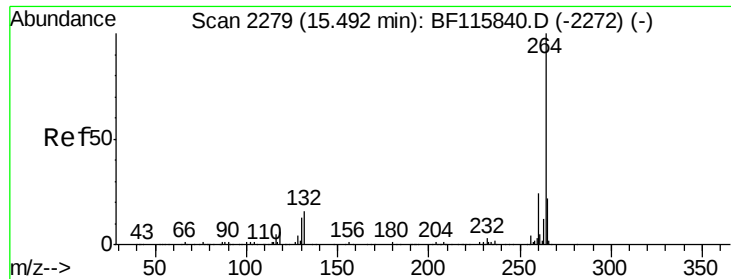
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	17.9	14.1	21.1



#79
 Terphenyl-d14
 Concen: 69.325 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.2	9.0	13.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

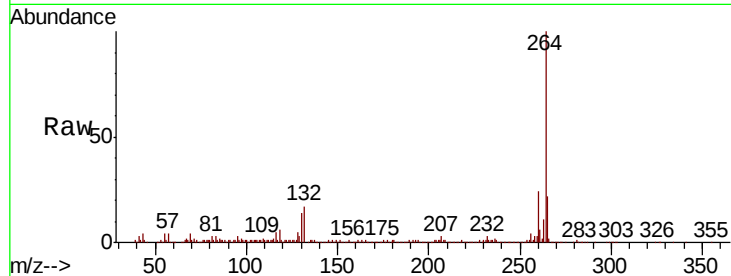
Tgt Ion:264 Resp: 302740

Ion Ratio Lower Upper

264 100

260 24.1 19.7 29.5

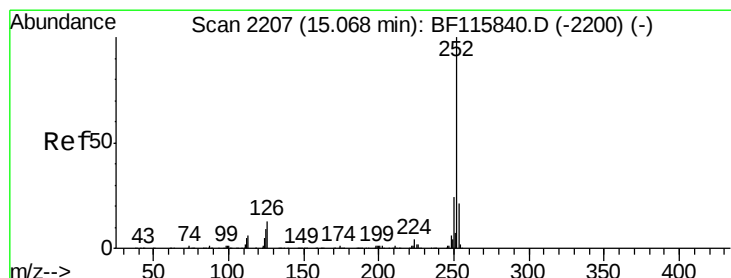
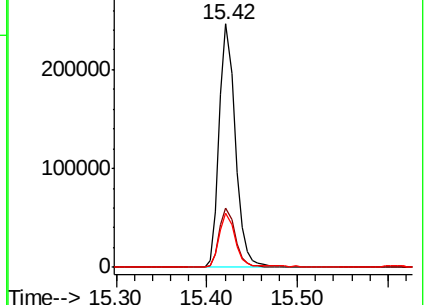
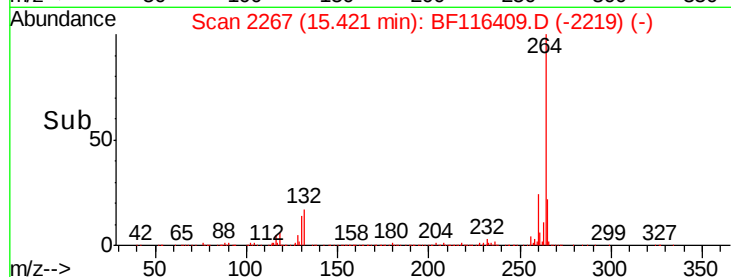
265 22.5 17.4 26.0



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



#88

Benzo(b)fluoranthene

Concen: 3.181 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

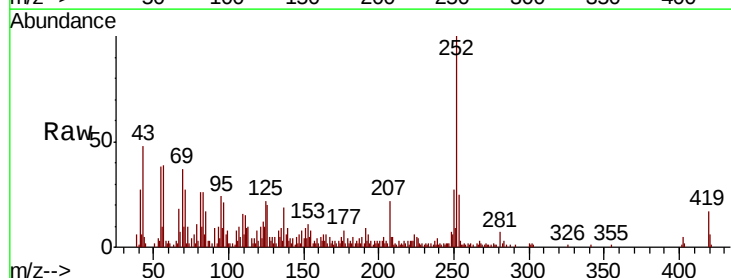
Tgt Ion:252 Resp: 55688

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

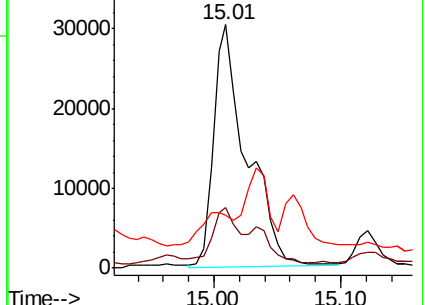
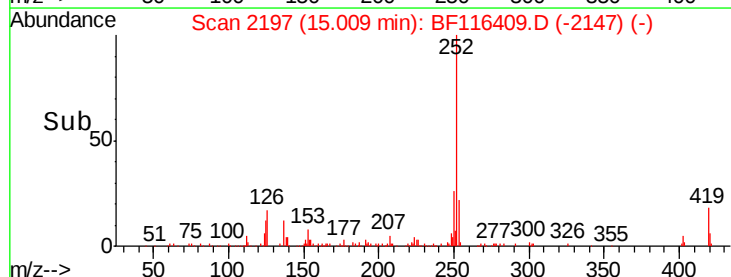
125 21.6 8.4 12.6#

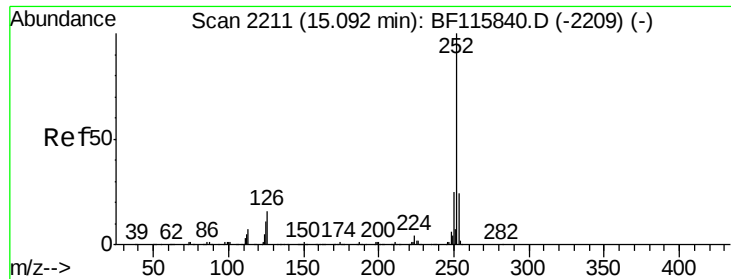


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.266 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

ClientSampleId :

SP-6

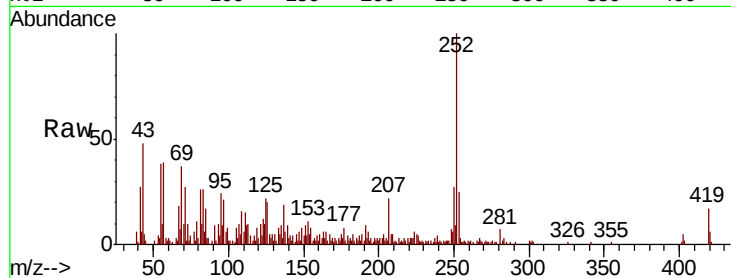
Tgt Ion: 252 Resp: 55688

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

125 21.6 7.7 11.5#



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

