

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116408.D
 Acq On : 20 Aug 2019 00:38
 Operator : HP/JU
 Sample : K4223-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-8

Quant Time: Aug 20 03:44:26 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

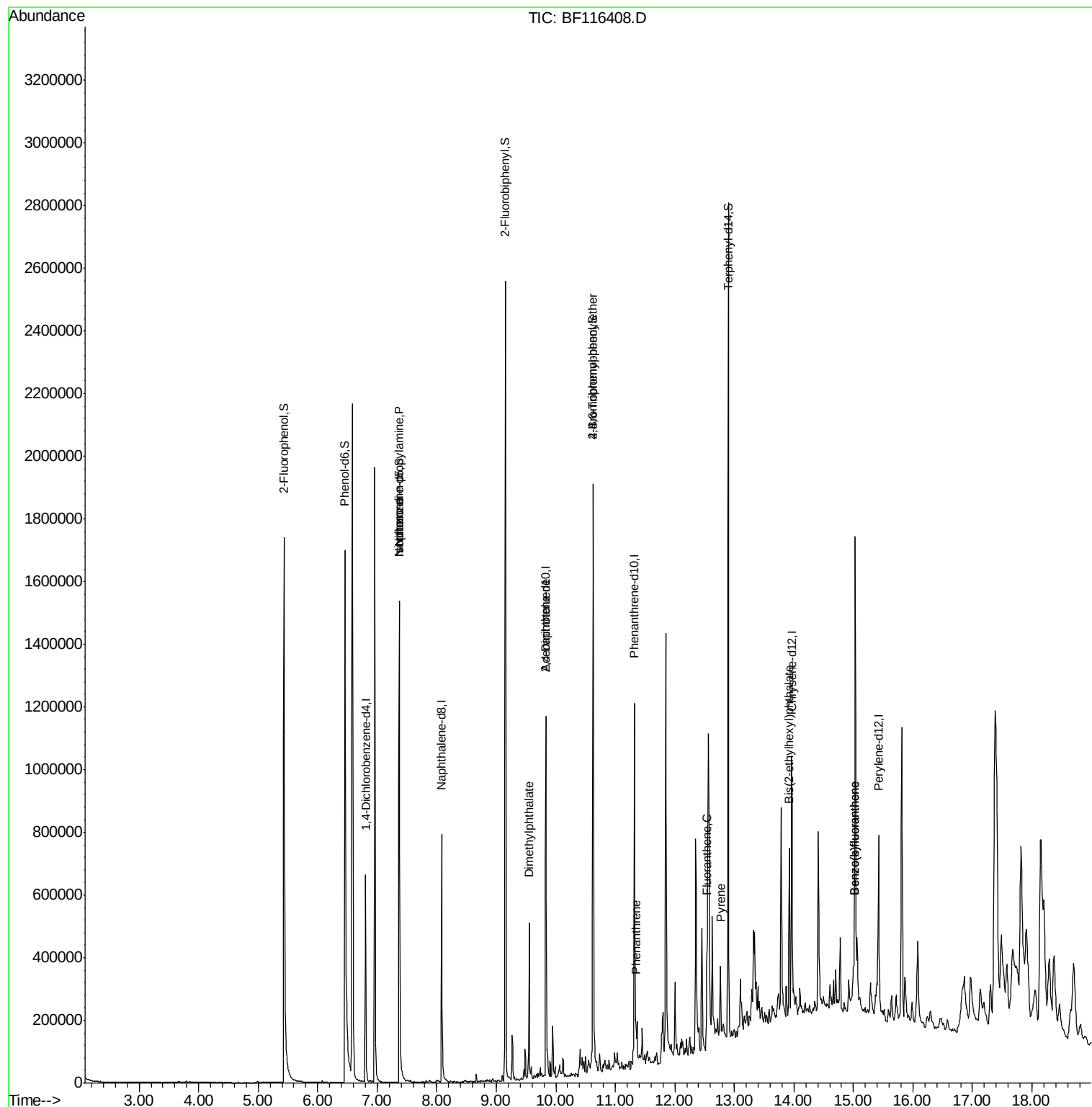
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	97413	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	387083	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	211825	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	390920	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	257185	20.00	ng	-0.02
87) Perylene-d12	15.42	264	287280	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	651275	111.92	ng	0.00
7) Phenol-d6	6.46	99	898588	122.40	ng	0.00
23) Nitrobenzene-d5	7.37	82	536179	79.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	246496	120.03	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	801616	70.88	ng	-0.02
79) Terphenyl-d14	12.90	244	871622	71.41	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	70198	15.430	ng	# 79
25) Isophorone	7.37	82	537307	41.903	ng	# 65
50) Dimethylphthalate	9.55	163	199761	13.850	ng	98
57) 2,4-Dinitrotoluene	9.83	165	27098	6.493	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	14896	3.560	ng	# 1
71) Phenanthrene	11.34	178	44879	2.246	ng	99
75) Fluoranthene	12.54	202	85851	4.103	ng	99
78) Pyrene	12.77	202	72980	3.764	ng	98
84) Bis(2-ethylhexyl)phthalate	13.92	149	147010	13.795	ng	100
88) Benzo(b)fluoranthene	15.01	252	53953	3.248	ng	# 88
89) Benzo(k)fluoranthene	15.01	252	53953	3.335	ng	# 87

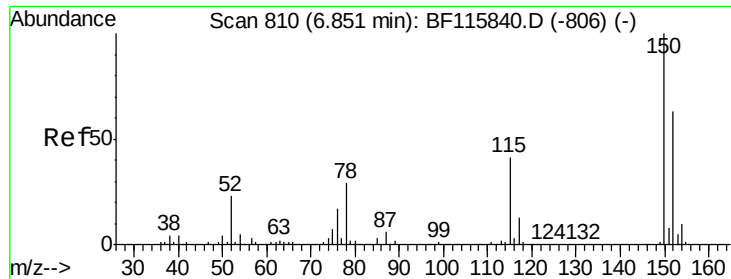
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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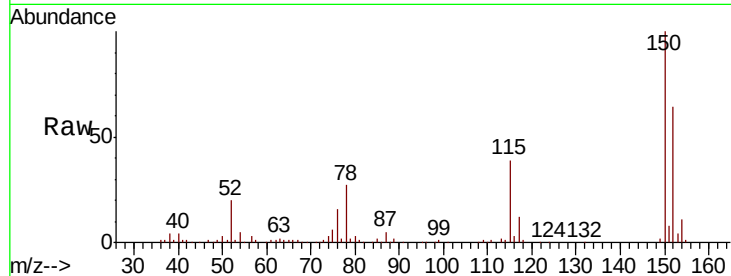


#1

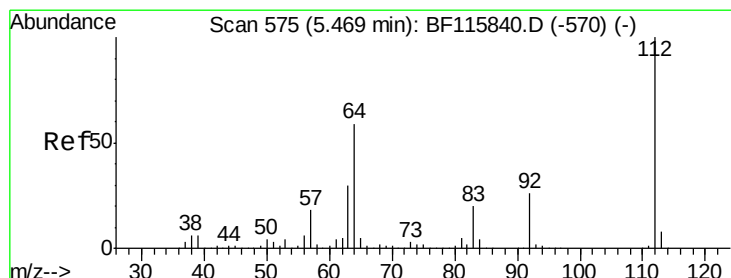
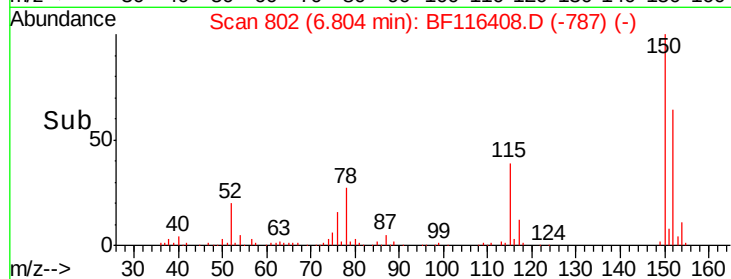
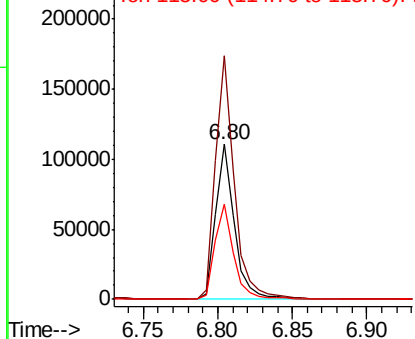
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:152 Resp: 97413
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 61.1 49.9 74.9



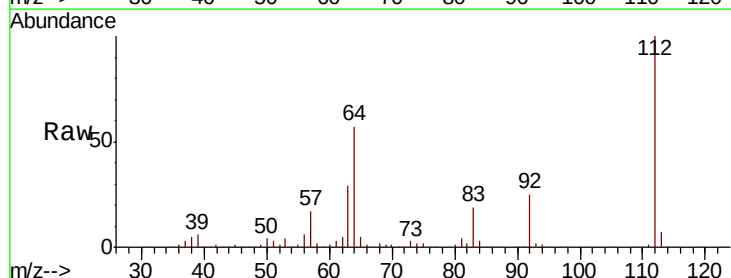
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



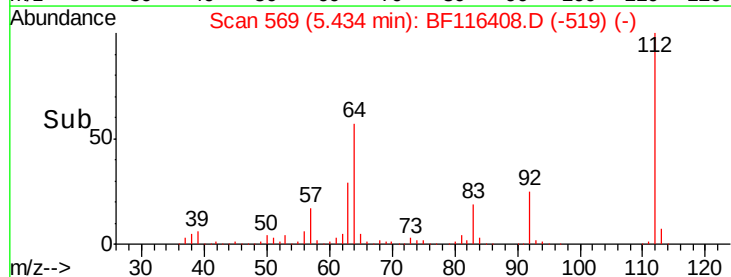
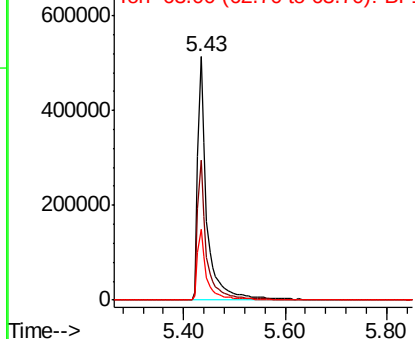
#5

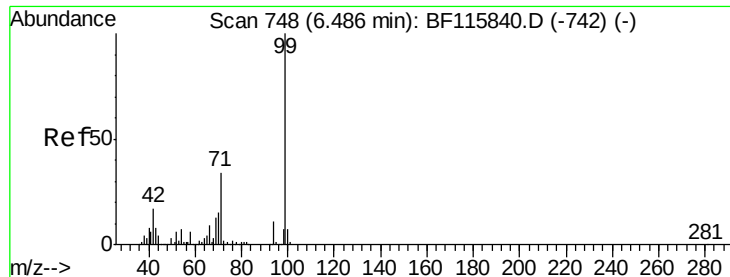
2-Fluorophenol
Concen: 111.923 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Tgt Ion:112 Resp: 651275
Ion Ratio Lower Upper
112 100
64 57.3 45.4 68.2
63 29.3 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: 122.396 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

BNA_F

ClientSampleId :

SP-8

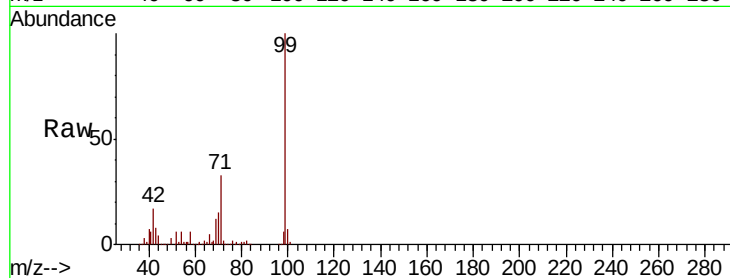
Tgt Ion: 99 Resp: 898588

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

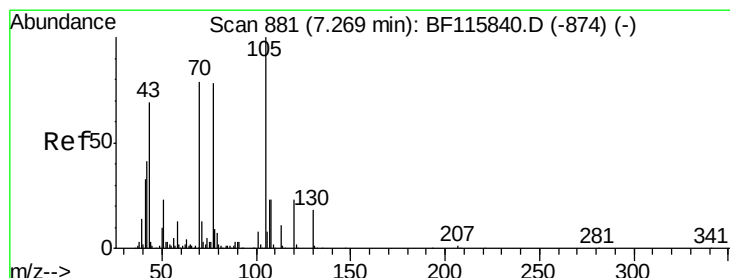
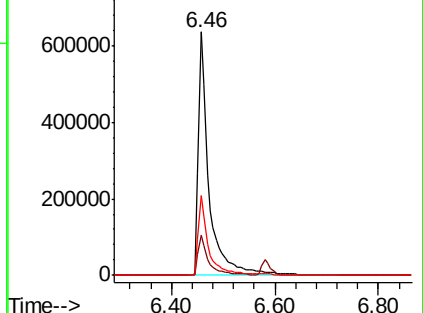
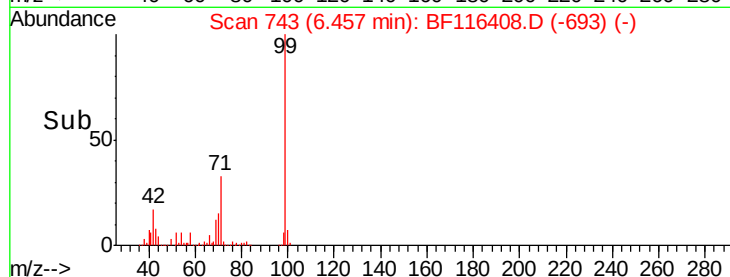
71 32.9 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.430 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Tgt Ion: 70 Resp: 70198

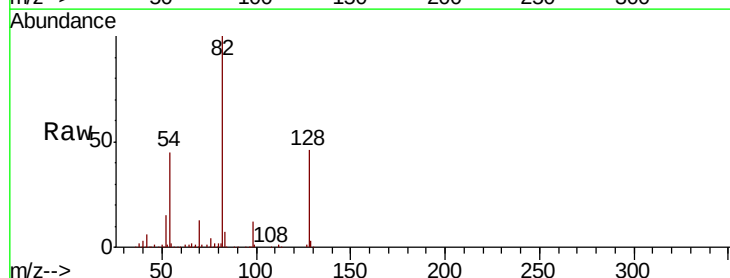
Ion Ratio Lower Upper

70 100

42 43.1 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

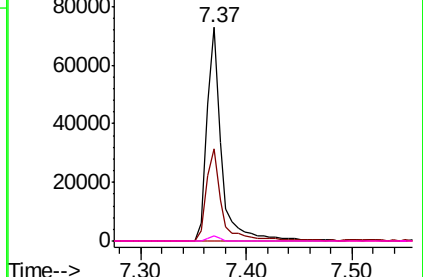
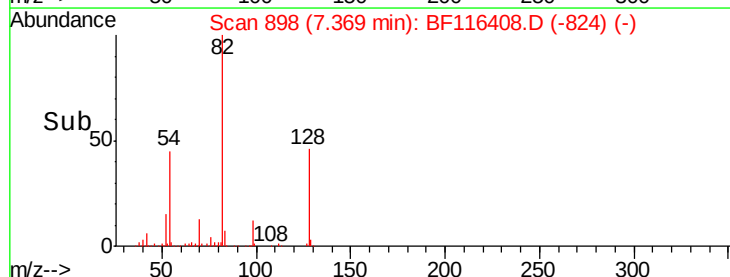


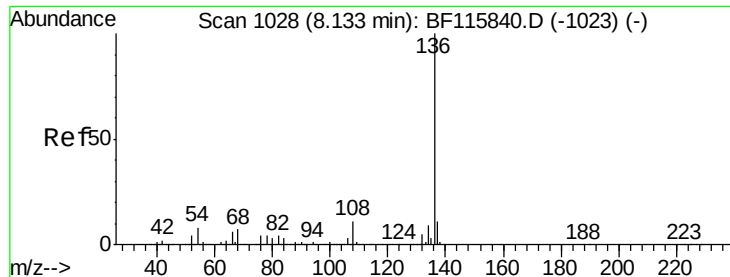
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

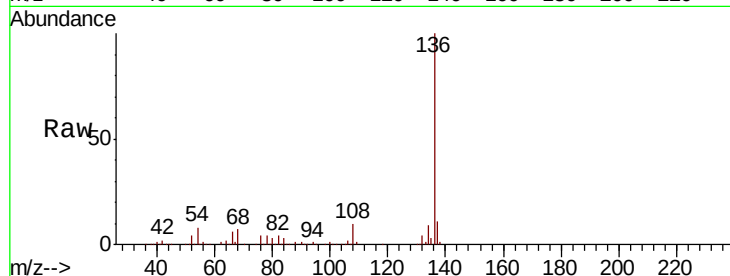




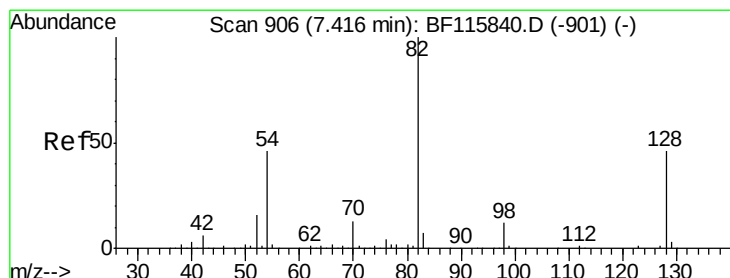
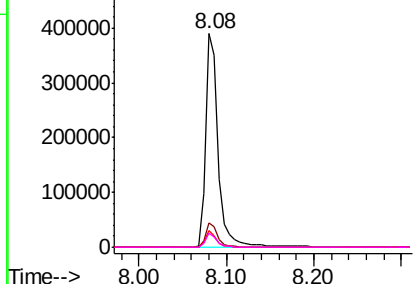
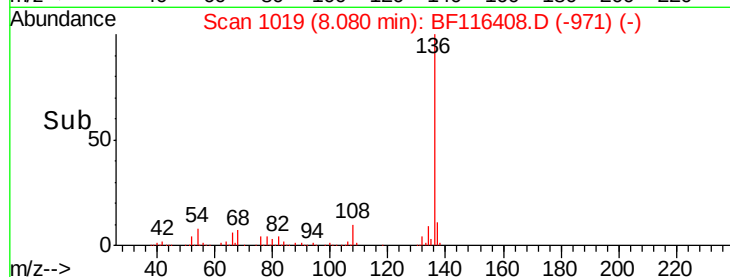
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:	136	Resp:	387083
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.6	5.8	8.6
68	6.7	5.2	7.8

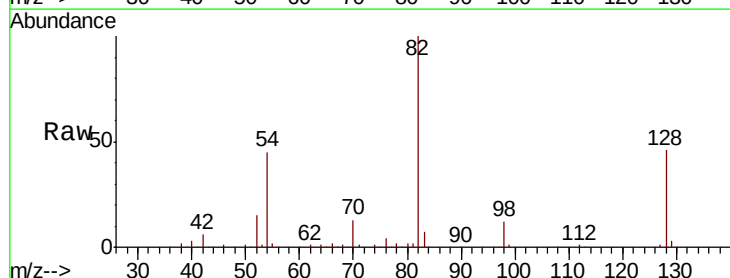


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

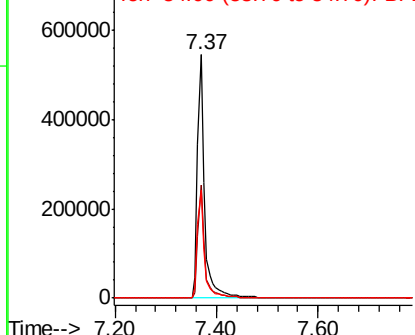
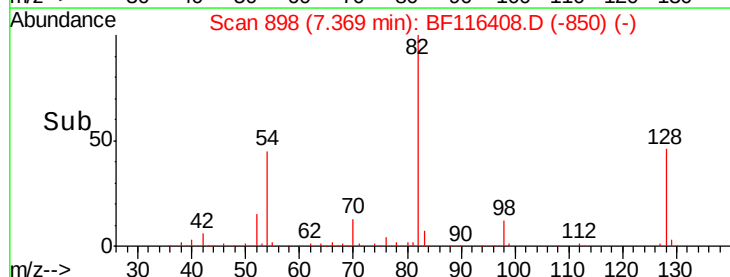


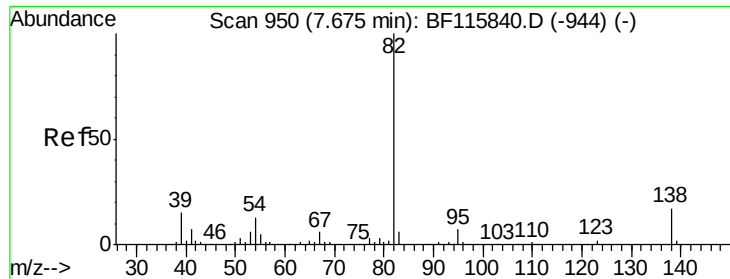
#23
Nitrobenzene-d5
Concen: 79.957 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Tgt Ion:	82	Resp:	536179
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	44.5	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: 41.903 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

BNA_F

ClientSampleId :

SP-8

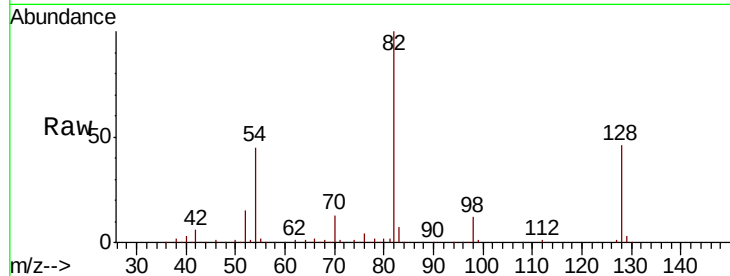
Tgt Ion: 82 Resp: 537307

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

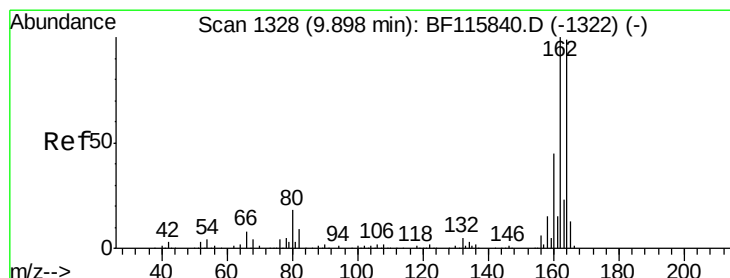
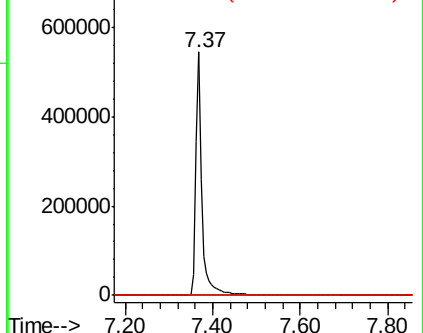
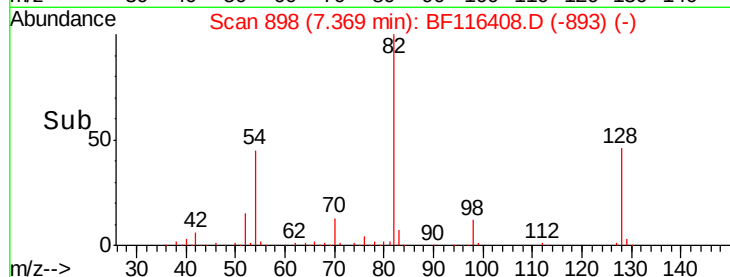
138 0.0 14.5 21.7#



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: BF116408.D

Acq: 20 Aug 2019 00:38

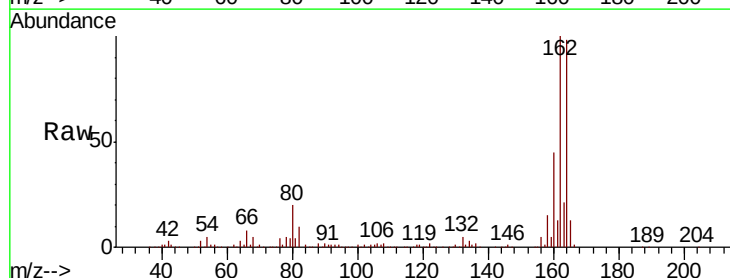
Tgt Ion: 164 Resp: 211825

Ion Ratio Lower Upper

164 100

162 101.7 82.6 124.0

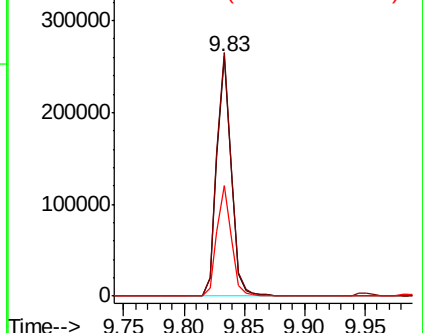
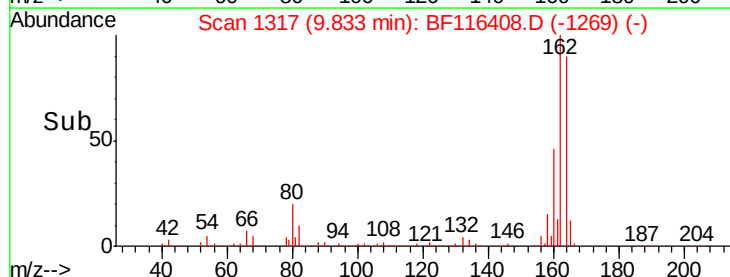
160 46.2 37.6 56.4

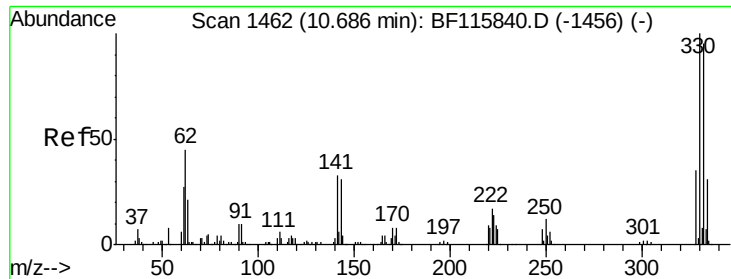


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

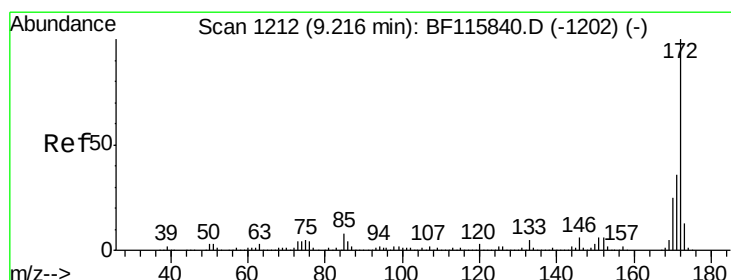
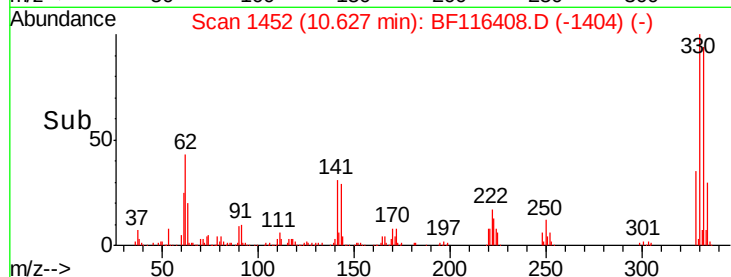
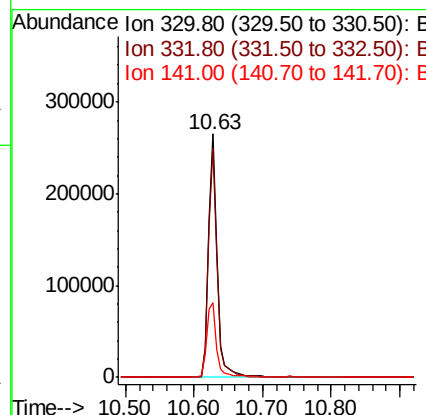
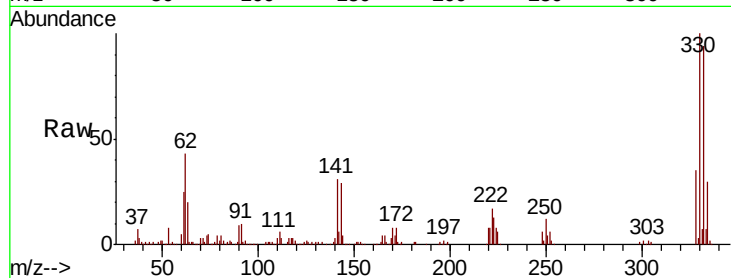




#42
 2,4,6-Tribromophenol
 Concen: 120.025 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116408.D
 Acq: 20 Aug 2019 00:38

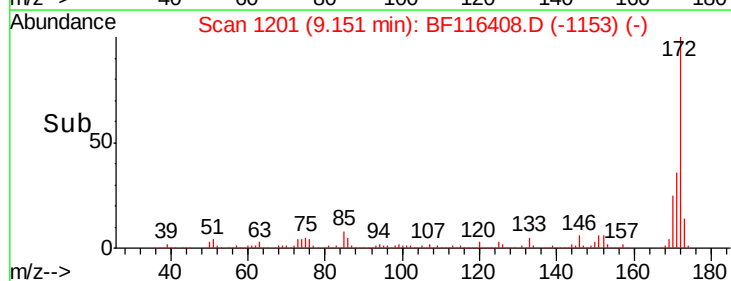
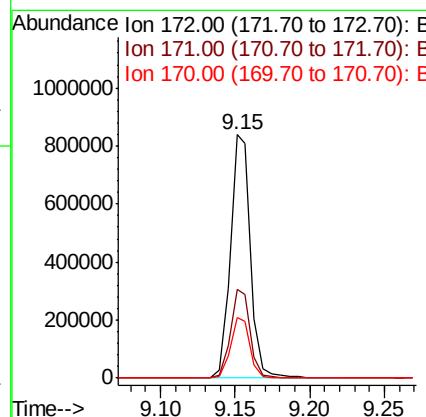
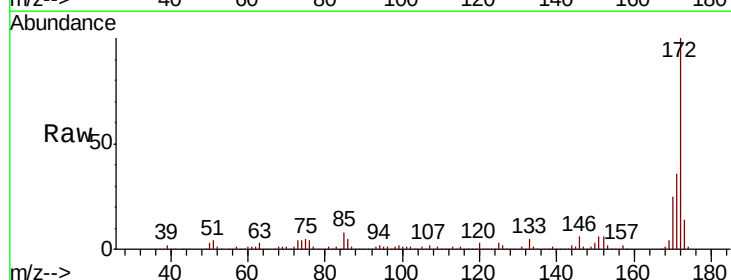
Instrument :
 BNA_F
 ClientSampleId :
 SP-8

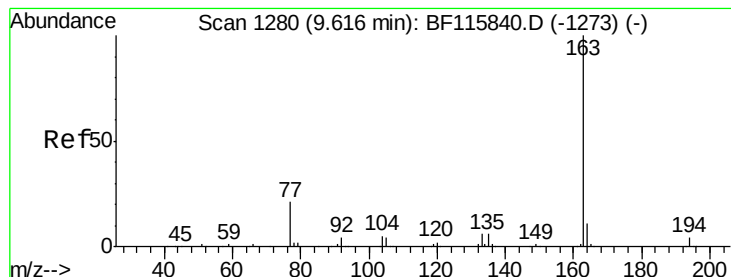
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.8	115.2
141	34.0	26.3	39.5



#45
 2-Fluorobiphenyl
 Concen: 70.883 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116408.D
 Acq: 20 Aug 2019 00:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.7	20.1	30.1





#50

Dimethylphthalate

Concen: 13.850 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

BNA_F

ClientSampleId :

SP-8

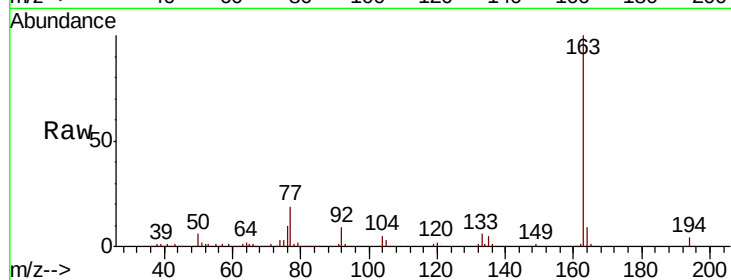
Tgt Ion:163 Resp: 199761

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

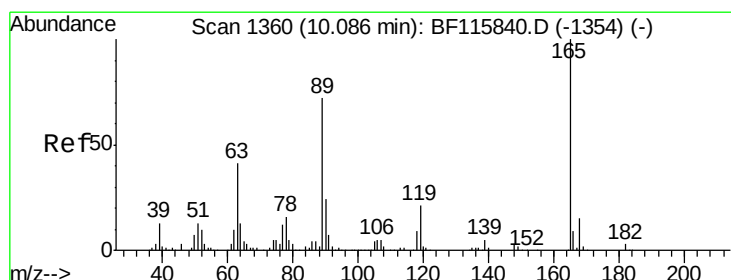
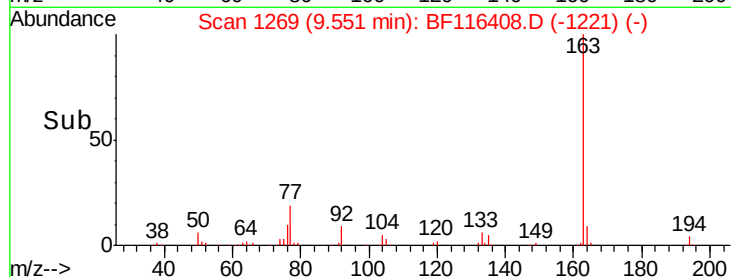
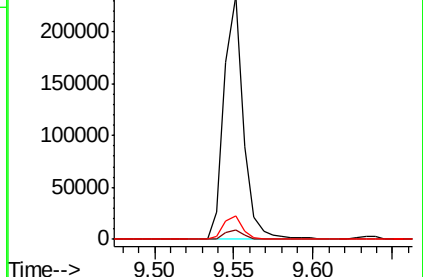
164 9.5 8.4 12.6



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: 6.493 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Tgt Ion:165 Resp: 27098

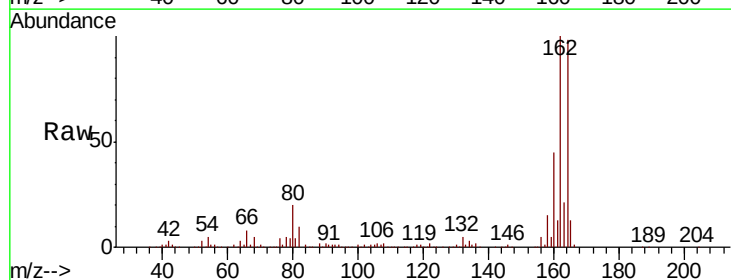
Ion Ratio Lower Upper

165 100

63 1.3 39.6 59.4#

89 2.0 62.2 93.2#

182 0.0 2.1 3.1#

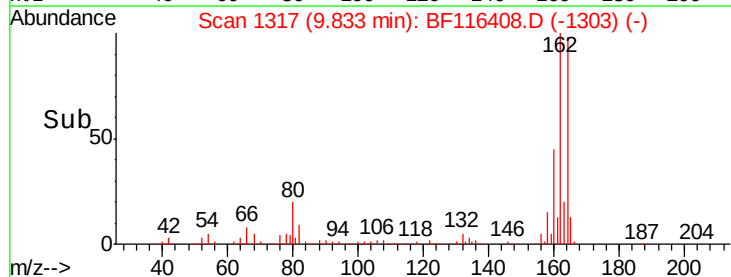
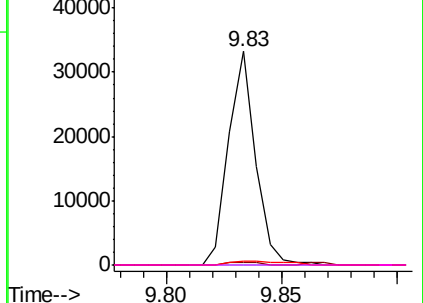


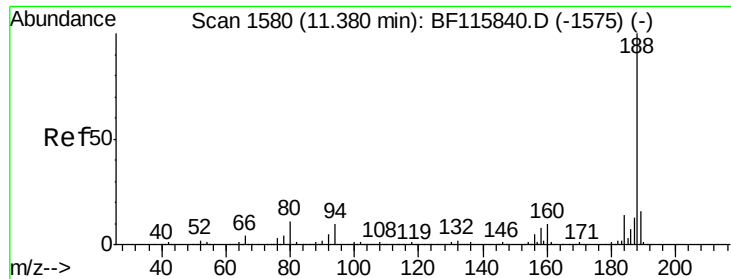
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

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SP-8

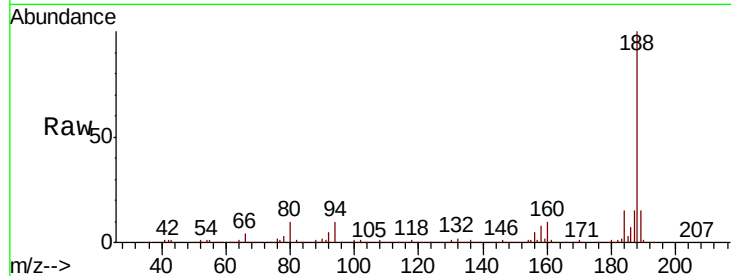
Tgt Ion:188 Resp: 390920

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

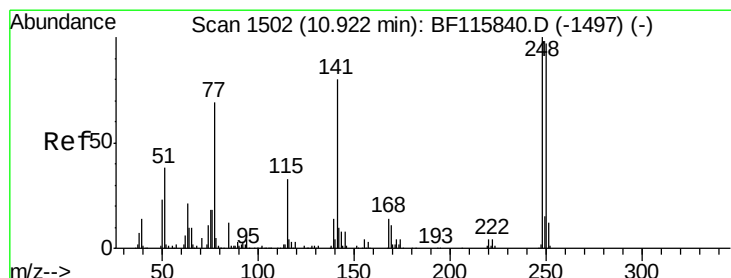
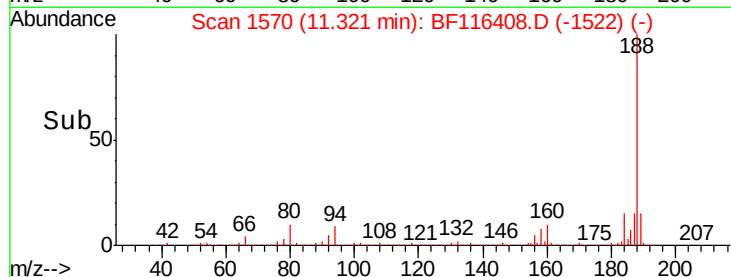
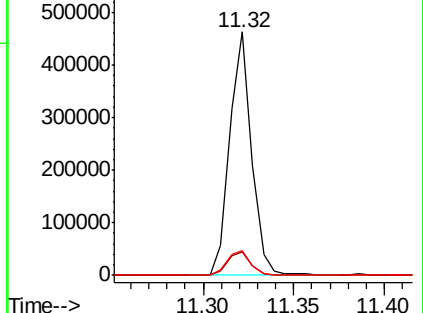
80 9.9 8.7 13.1



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



#67

4-Bromophenyl-phenylether

Concen: 3.560 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

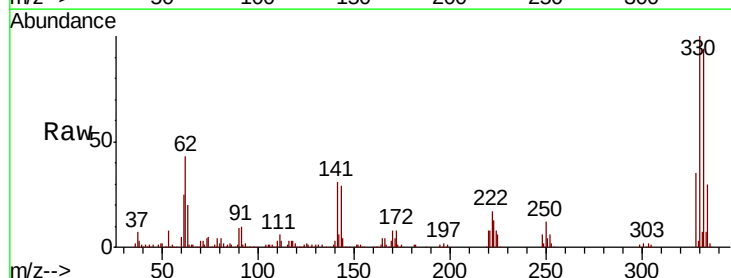
Tgt Ion:248 Resp: 14896

Ion Ratio Lower Upper

248 100

250 195.2 77.4 116.2#

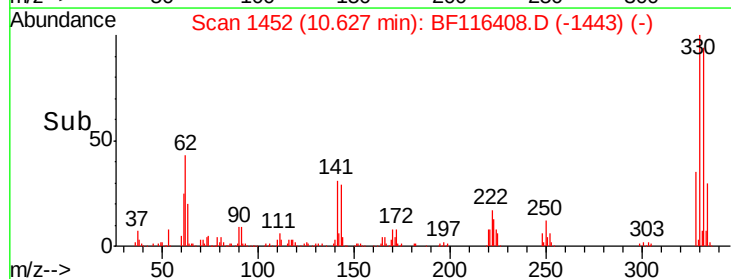
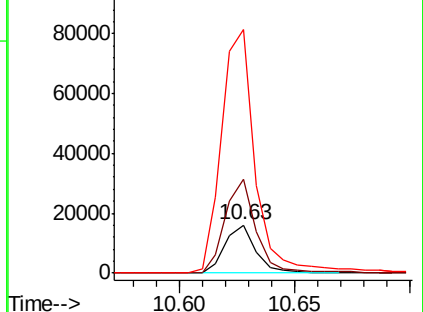
141 503.1 56.8 85.2#

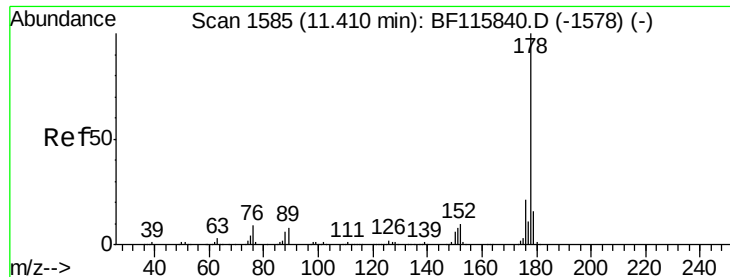


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

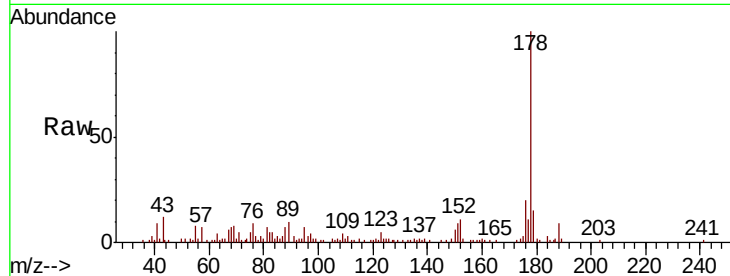




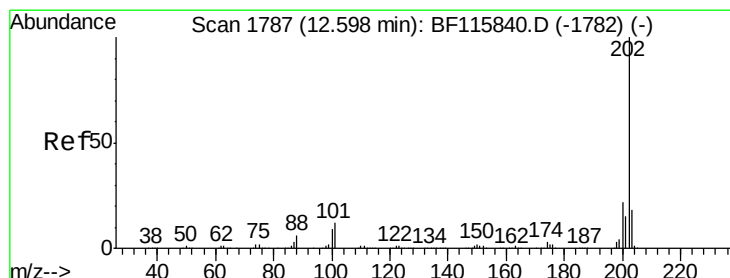
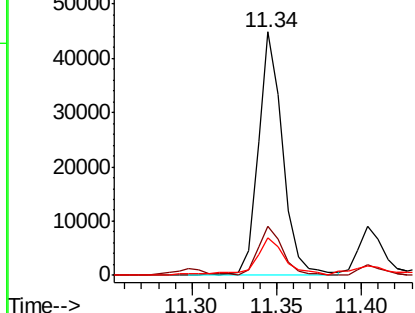
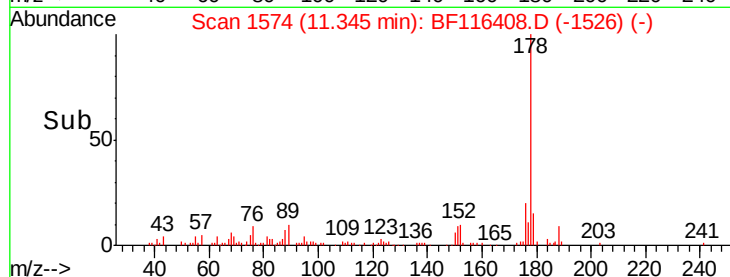
#71
Phenanthrene
Concen: 2.246 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:178 Resp: 44879
Ion Ratio Lower Upper
178 100
176 20.2 16.6 24.8
179 15.3 12.5 18.7

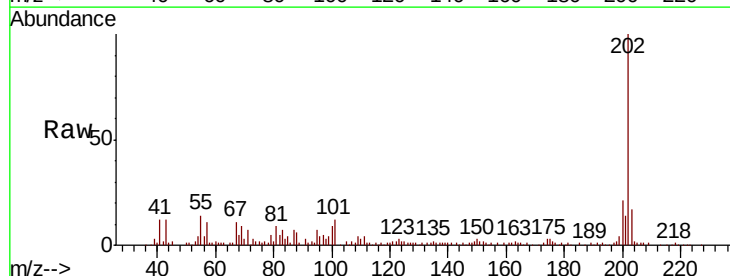


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

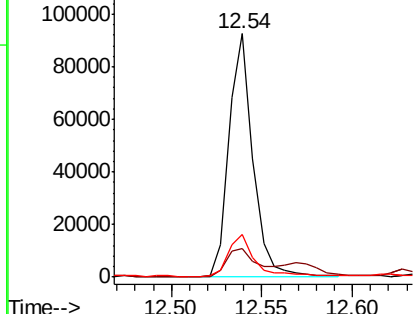
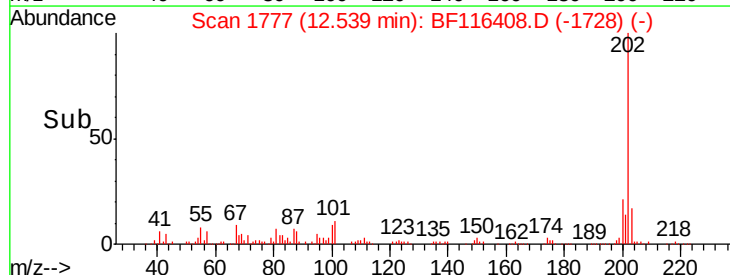


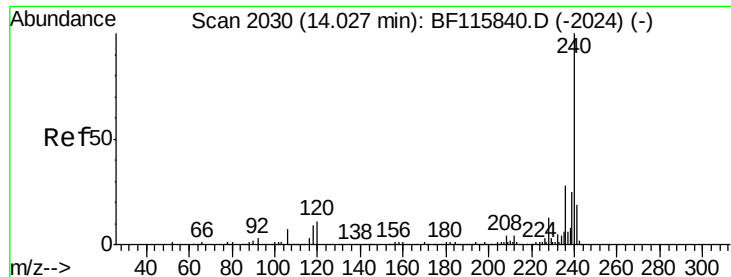
#75
Fluoranthene
Concen: 4.103 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Tgt Ion:202 Resp: 85851
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.2
203 17.4 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

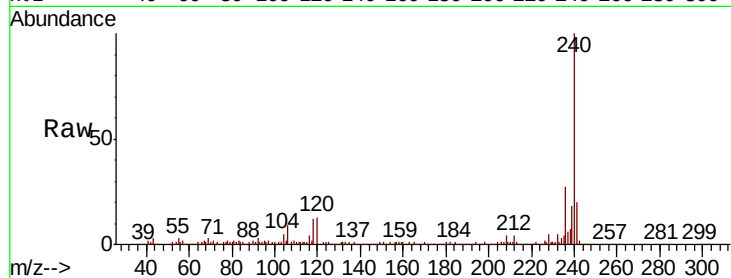




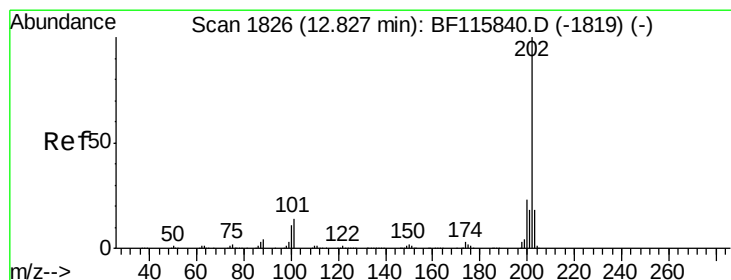
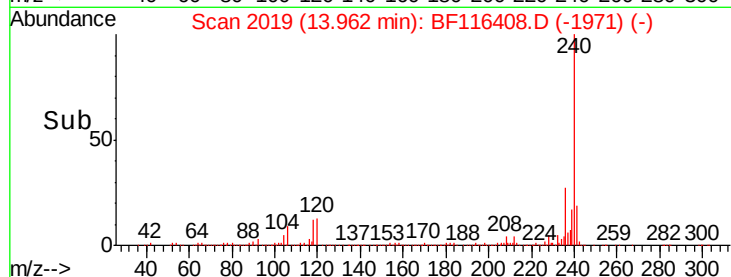
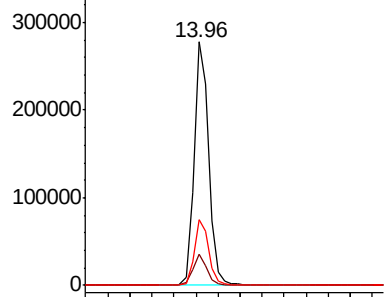
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:240 Resp: 257185
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 26.8 22.2 33.2

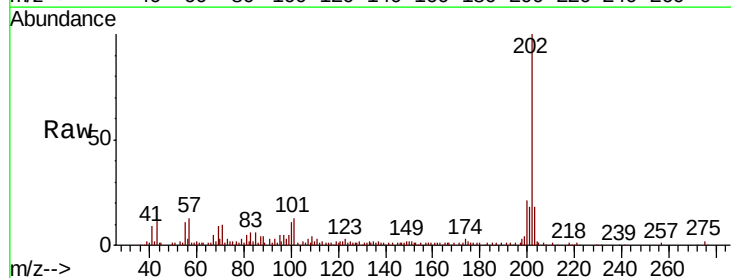


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

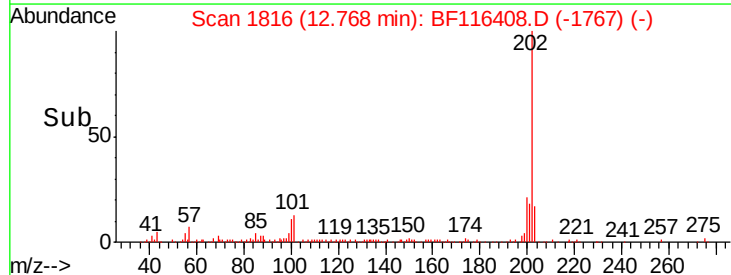
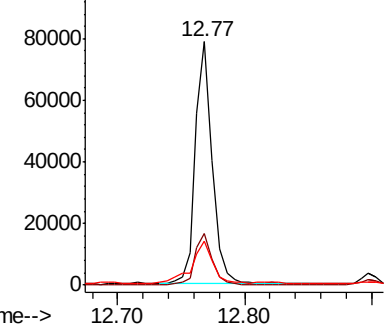


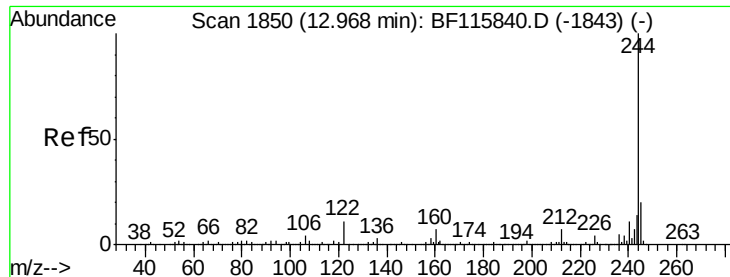
#78
Pyrene
Concen: 3.764 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF116408.D
Acq: 20 Aug 2019 00:38

Tgt Ion:202 Resp: 72980
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 17.8 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.414 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

BNA_F

ClientSampleId :

SP-8

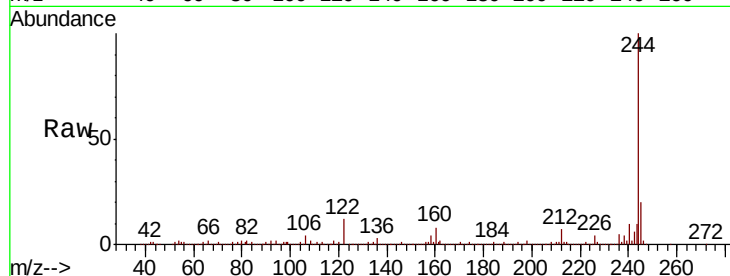
Tgt Ion:244 Resp: 871622

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

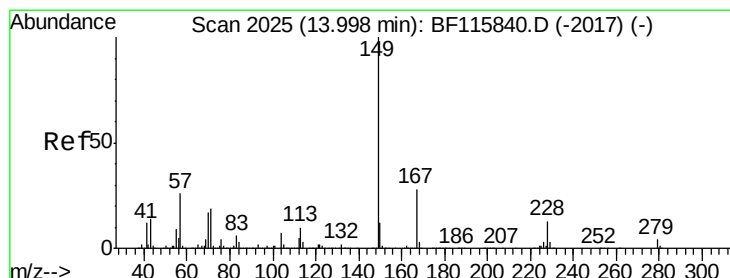
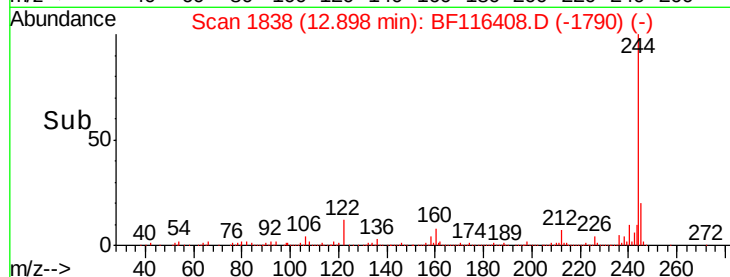
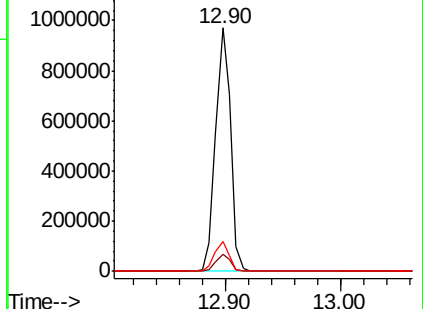
122 12.3 9.0 13.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.795 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

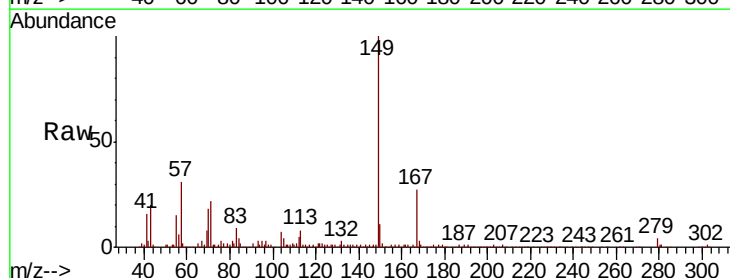
Tgt Ion:149 Resp: 147010

Ion Ratio Lower Upper

149 100

167 26.8 21.6 32.4

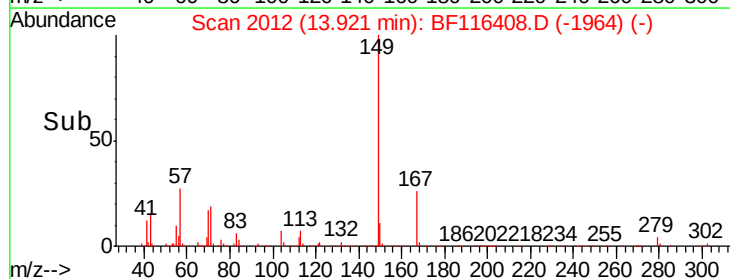
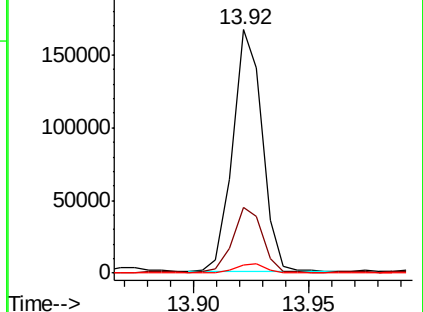
279 3.5 3.0 4.4

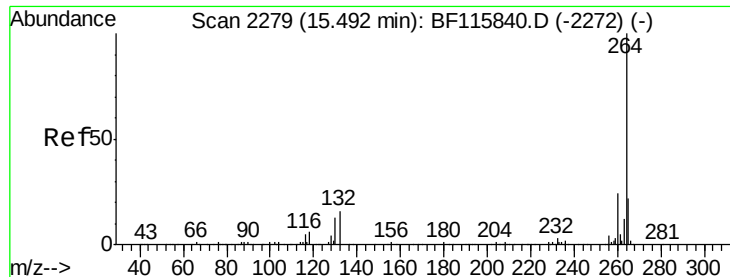


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

BNA_F

ClientSampleId :

SP-8

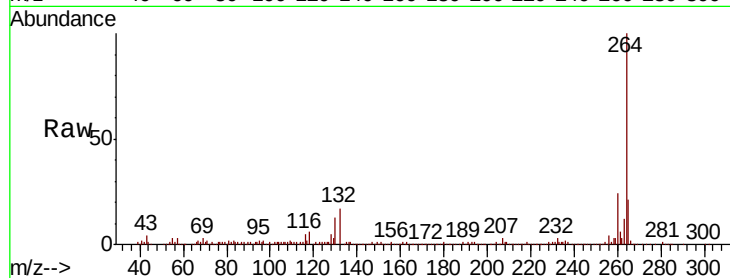
Tgt Ion:264 Resp: 287280

Ion Ratio Lower Upper

264 100

260 24.1 19.7 29.5

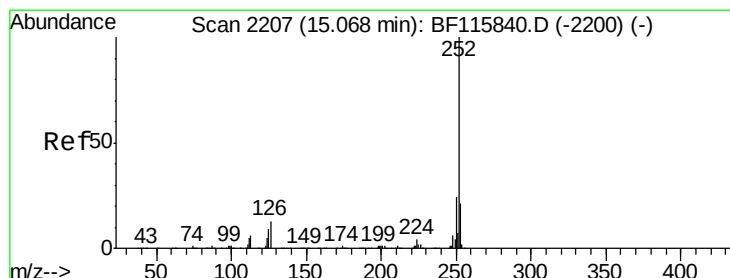
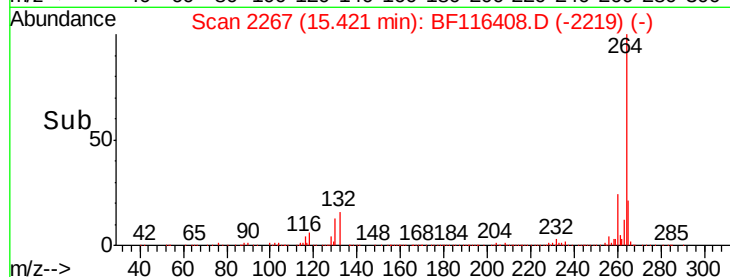
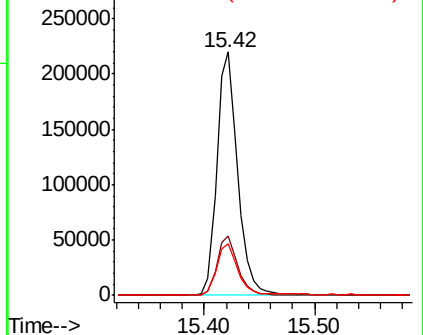
265 21.2 17.4 26.0



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: 3.248 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

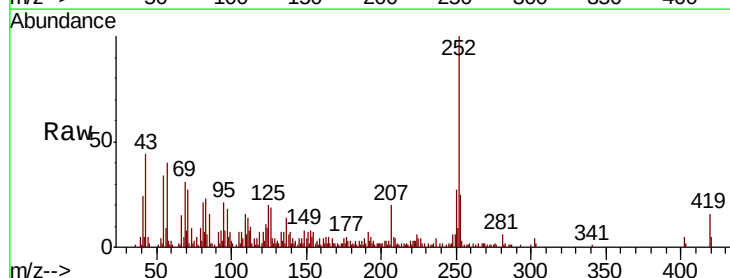
Tgt Ion:252 Resp: 53953

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

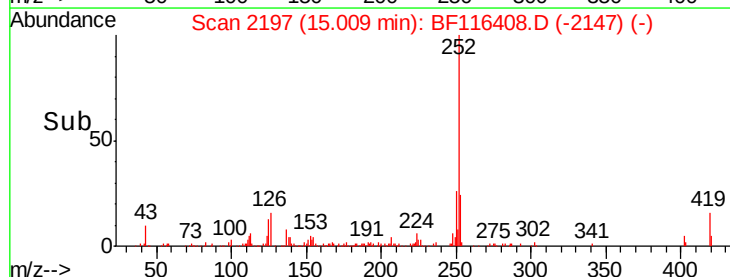
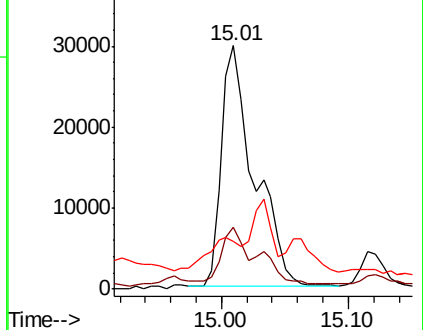
125 19.6 8.4 12.6#

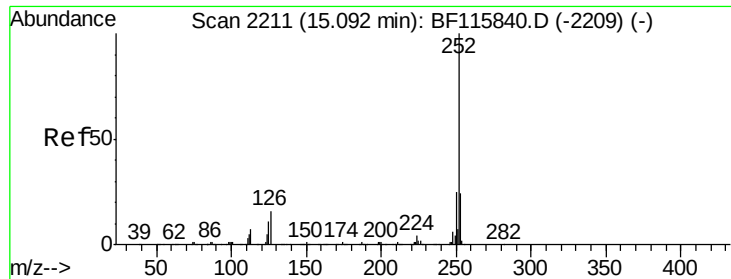


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.335 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF116408.D

Acq: 20 Aug 2019 00:38

Instrument :

BNA_F

ClientSampleId :

SP-8

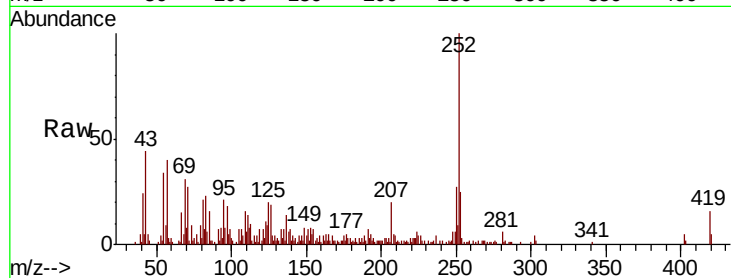
Tgt Ion:252 Resp: 53953

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 19.6 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

