

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116406.D
 Acq On : 19 Aug 2019 23:44
 Operator : HP/JU
 Sample : K4223-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Aug 20 01:44:33 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

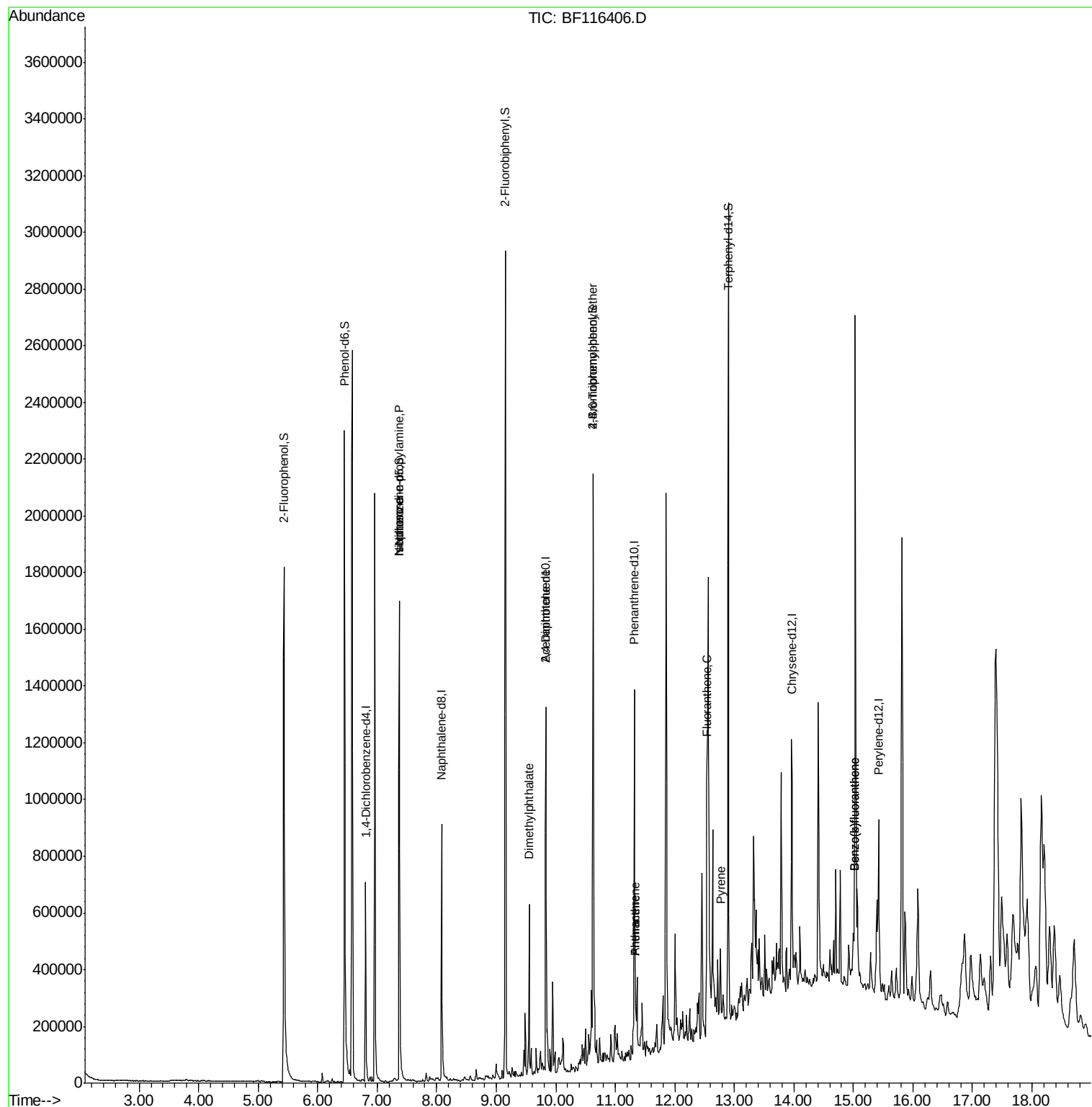
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106967	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	431532	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	239279	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	439525	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	282340	20.00	ng	-0.02
87) Perylene-d12	15.42	264	308077	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	700479	109.63	ng	0.00
7) Phenol-d6	6.45	99	925539	114.81	ng	-0.01
23) Nitrobenzene-d5	7.37	82	580791	77.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	264593	114.05	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	920124	72.03	ng	-0.02
79) Terphenyl-d14	12.90	244	969999	72.39	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	77625	15.539	ng	Qvalue # 80
25) Isophorone	7.37	82	580791	40.629	ng	# 65
50) Dimethylphthalate	9.55	163	238040	14.611	ng	99
57) 2,4-Dinitrotoluene	9.83	165	31070	6.591	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	15764	3.350	ng	# 1
71) Phenanthrene	11.35	178	48110	2.141	ng	99
72) Anthracene	11.35	178	48110	2.116	ng	99
75) Fluoranthene	12.54	202	88814	3.776	ng	98
78) Pyrene	12.77	202	74293	3.491	ng	98
88) Benzo(b)fluoranthene	15.01	252	55981	3.143	ng	# 84
89) Benzo(k)fluoranthene	15.01	252	55981	3.226	ng	# 84

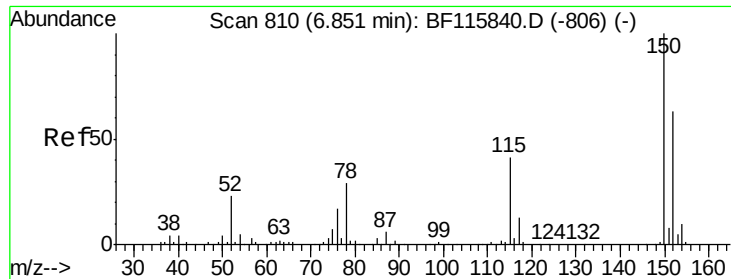
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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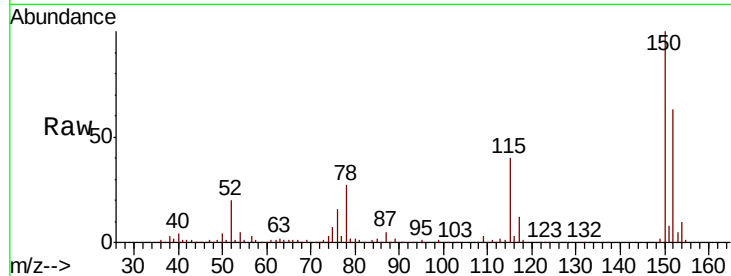




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	62.7	49.9	74.9

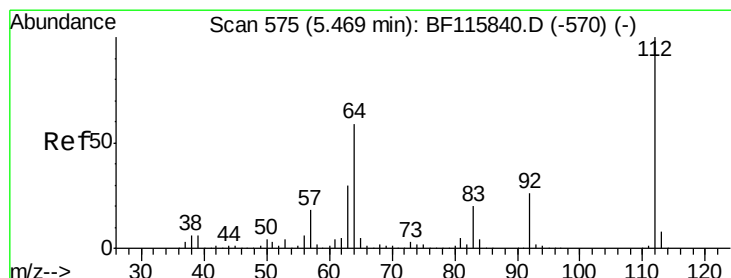
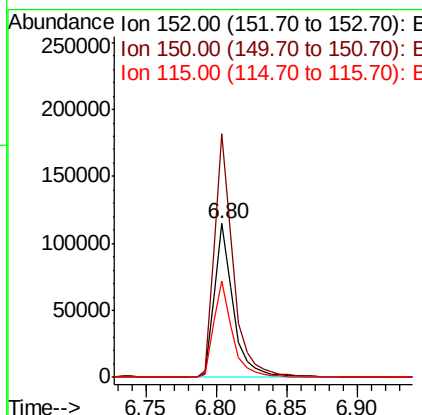
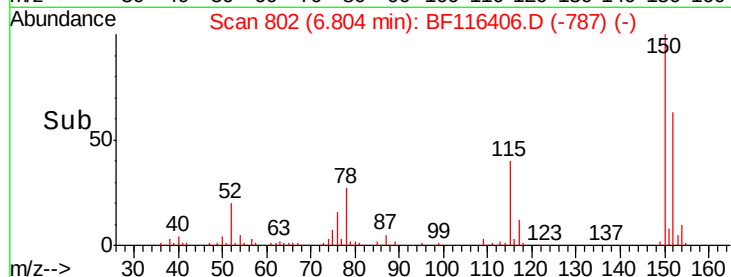


Abundance

Ion 152.00 (151.70 to 152.70): E

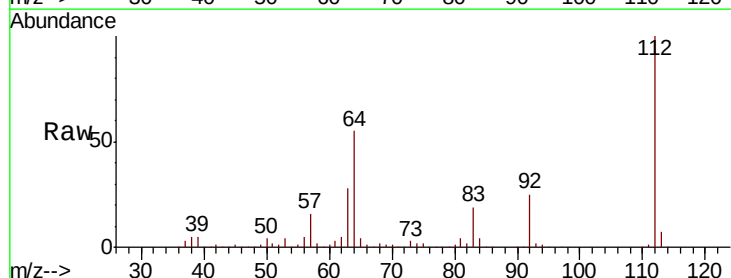
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 109.627 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.4	68.2
63	28.1	23.7	35.5

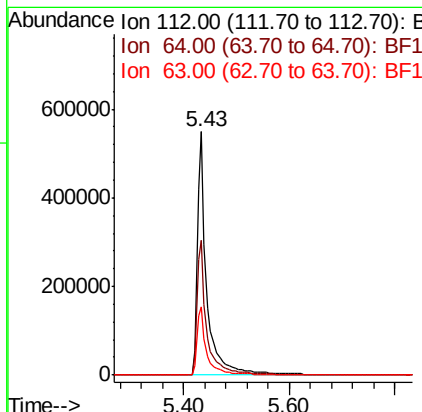
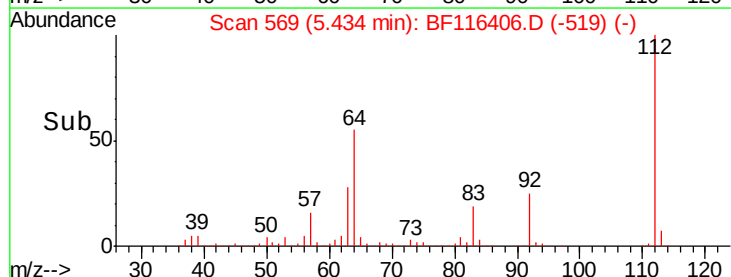


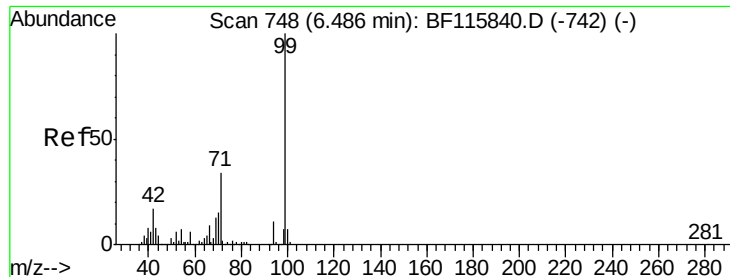
Abundance

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: 114.807 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116406.D

Acq: 19 Aug 2019 23:44

Instrument :

BNA_F

ClientSampled :

SP-1

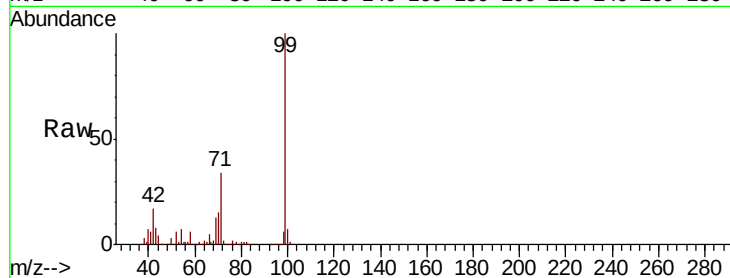
Tgt Ion: 99 Resp: 925539

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

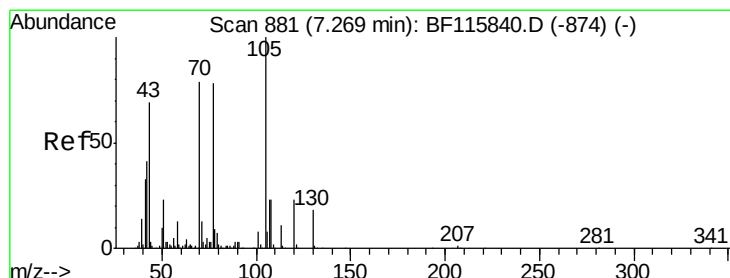
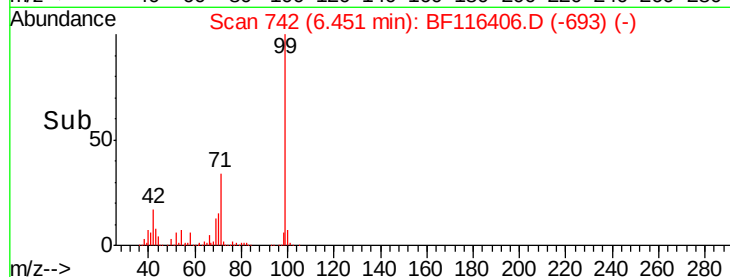
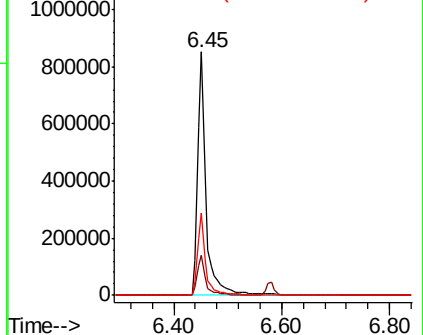
71 33.7 27.3 40.9



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: 15.539 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116406.D

Acq: 19 Aug 2019 23:44

Tgt Ion: 70 Resp: 77625

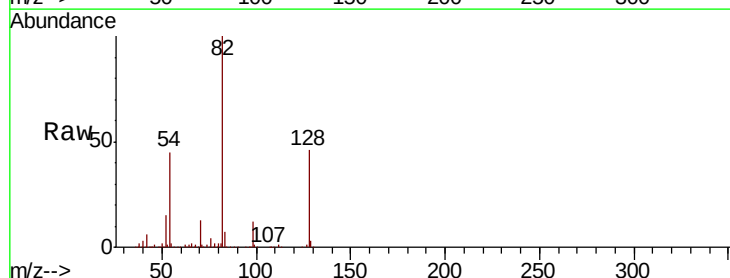
Ion Ratio Lower Upper

70 100

42 43.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

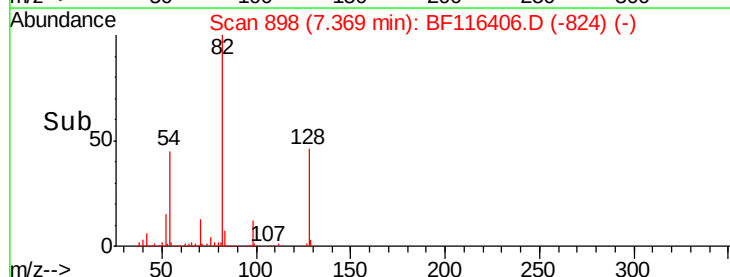
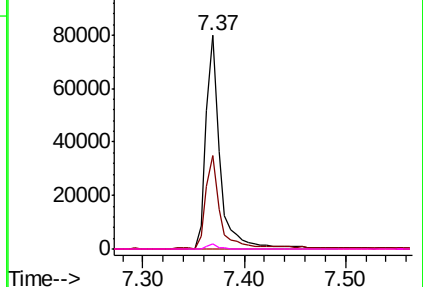


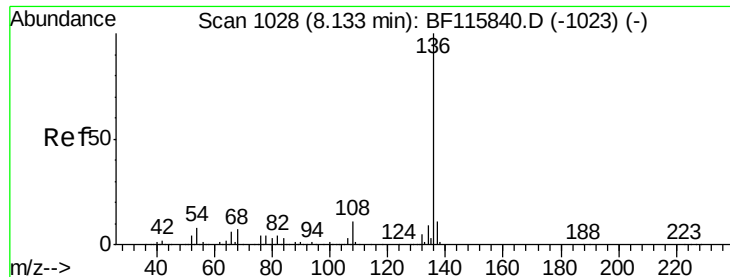
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

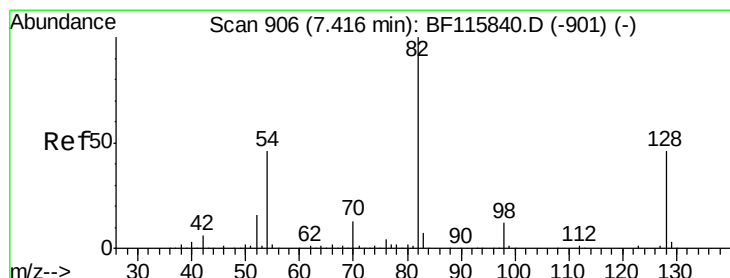
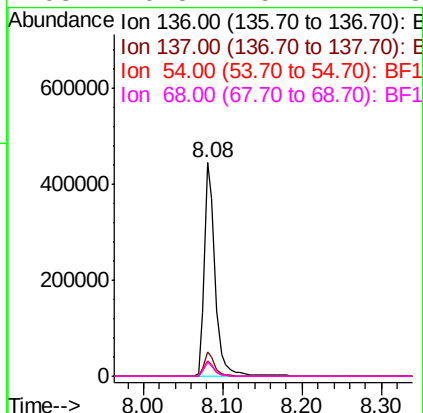
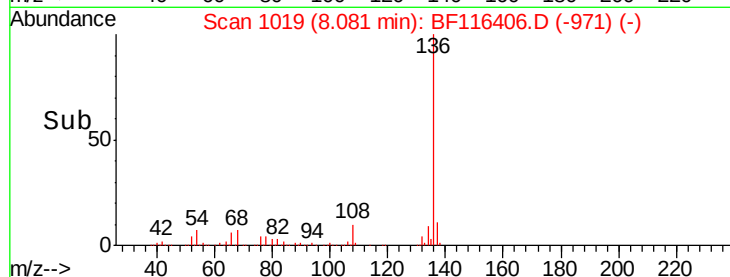
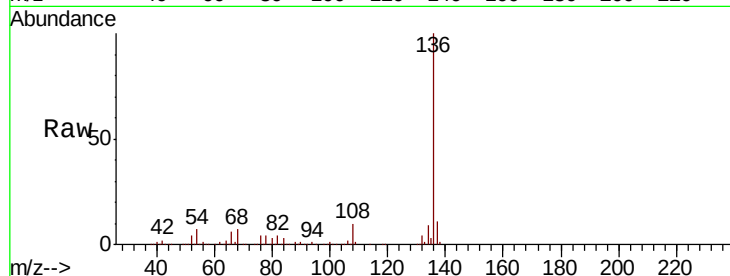




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

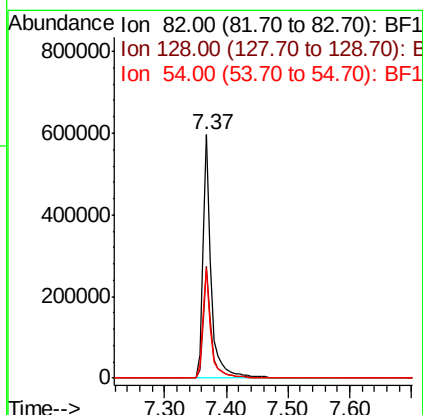
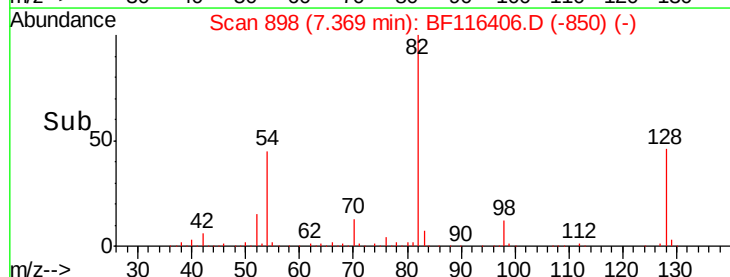
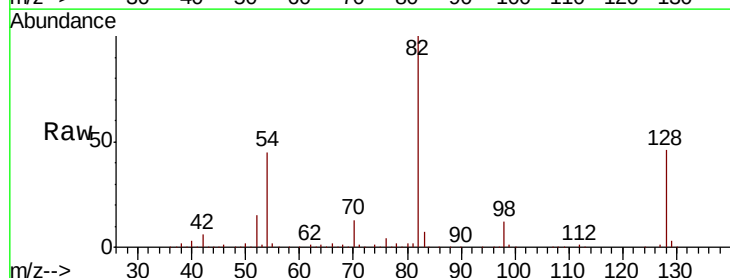
Instrument :
BNA_F
ClientSampleId :
SP-1

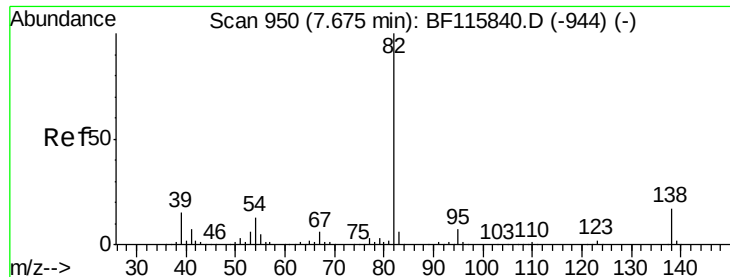
Tgt Ion:	136	Resp:	431532
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.4	5.8	8.6
68	6.8	5.2	7.8



#23
Nitrobenzene-d5
Concen: 77.688 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Tgt Ion:	82	Resp:	580791
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	45.0	36.0	54.0





#25

Isophorone

Concen: 40.629 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116406.D

Acq: 19 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

SP-1

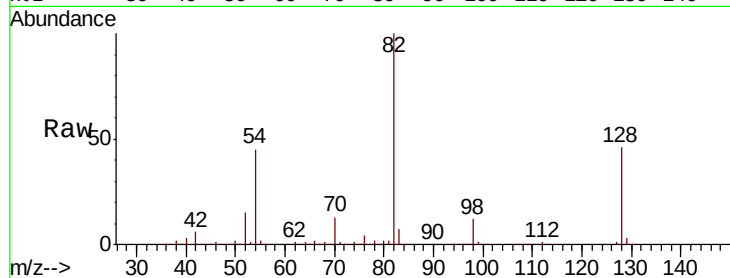
Tgt Ion: 82 Resp: 580791

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

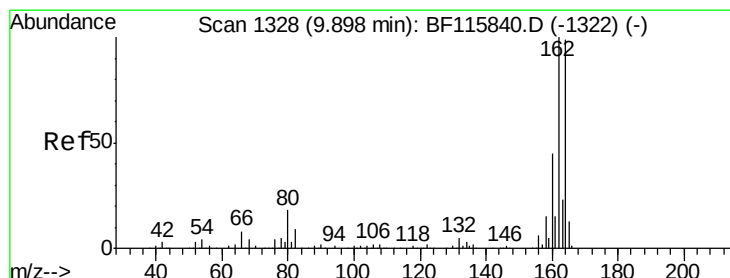
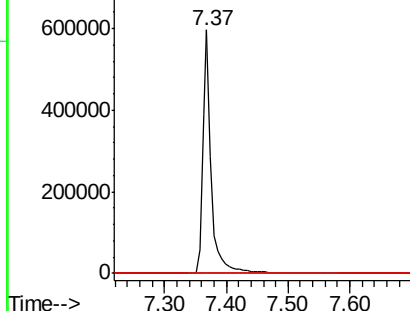
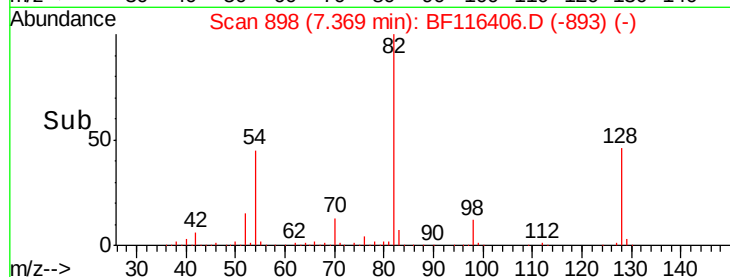
138 0.0 14.5 21.7#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116406.D

Acq: 19 Aug 2019 23:44

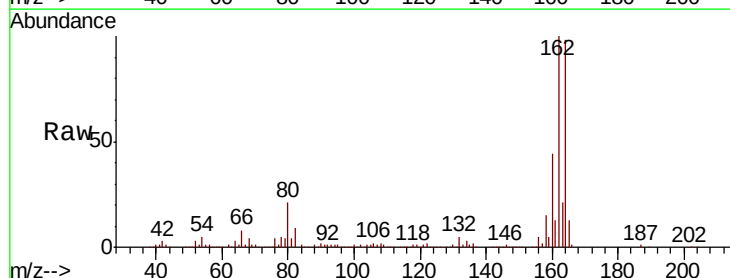
Tgt Ion: 164 Resp: 239279

Ion Ratio Lower Upper

164 100

162 102.3 82.6 124.0

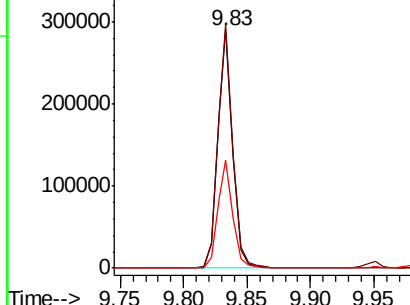
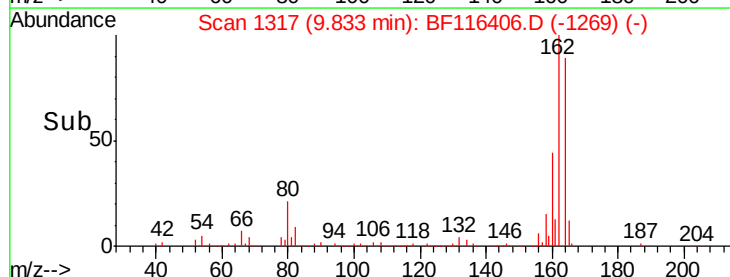
160 45.2 37.6 56.4

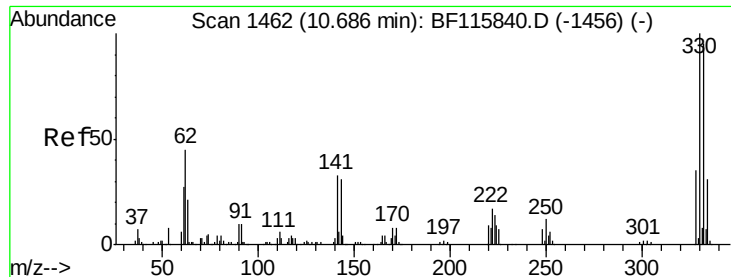


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

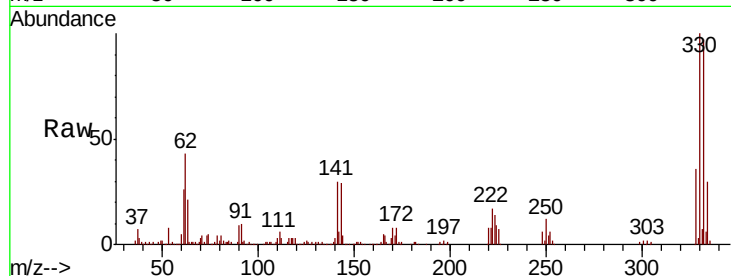




#42
 2,4,6-Tribromophenol
 Concen: 114.055 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	32.9	26.3	39.5

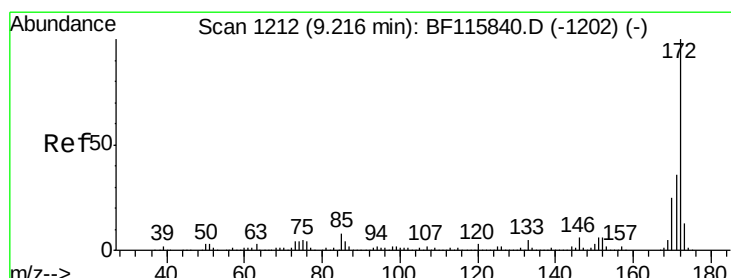
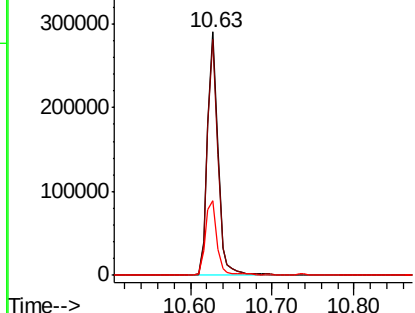
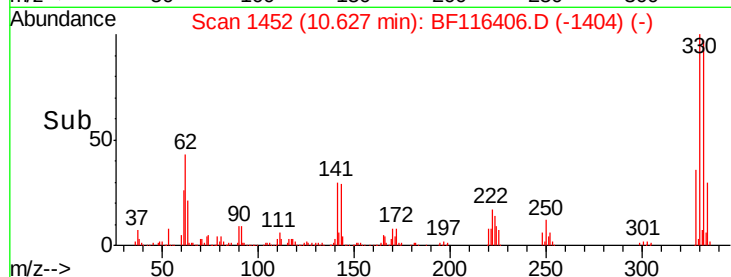


Abundance

Ion 329.80 (329.50 to 330.50): E

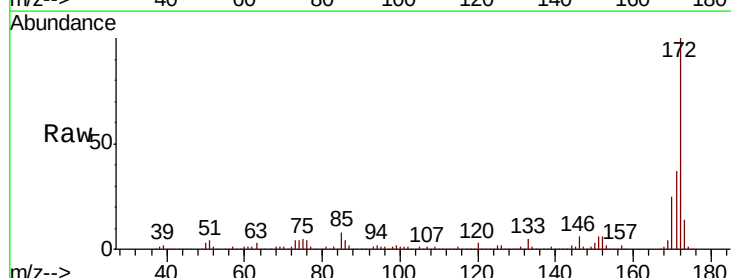
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.027 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.7	20.1	30.1

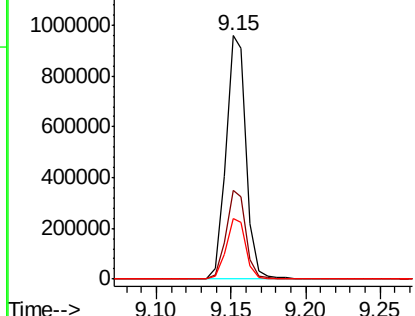
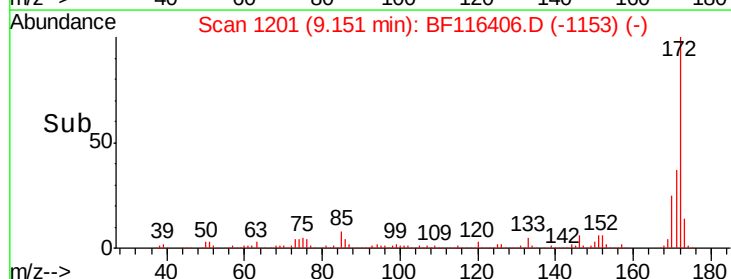


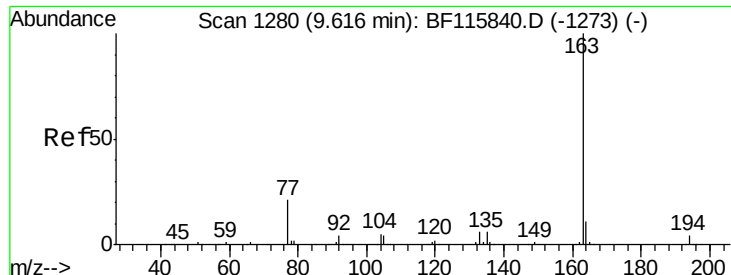
Abundance

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

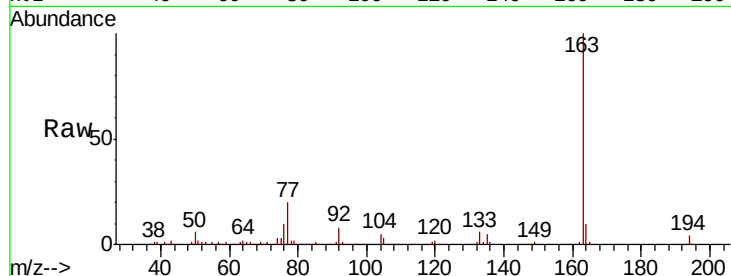




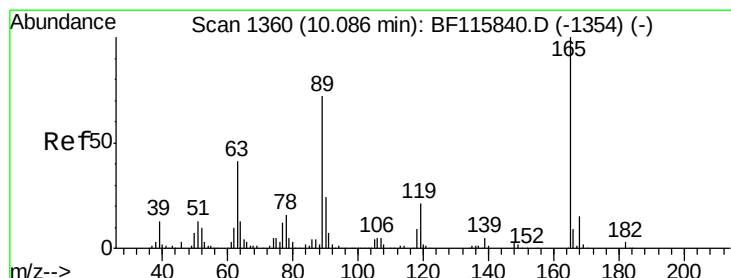
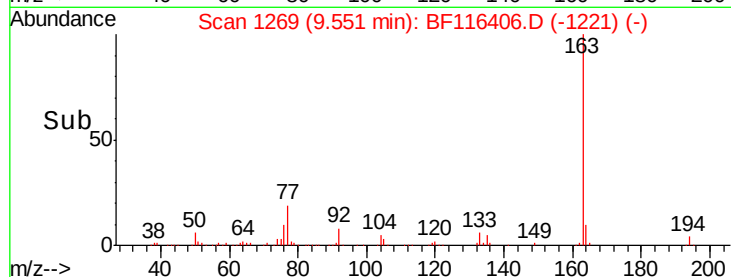
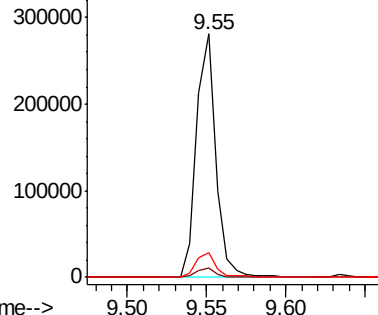
#50
Dimethylphthalate
Concen: 14.611 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:163 Resp: 238040
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 9.9 8.4 12.6

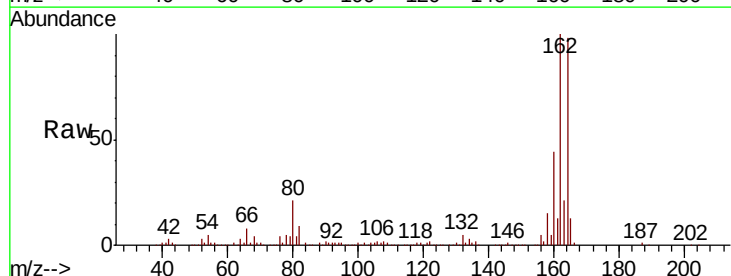


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

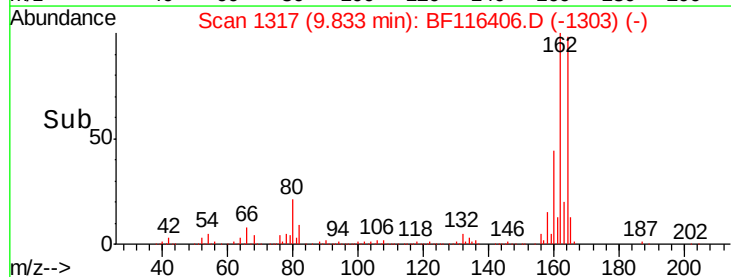
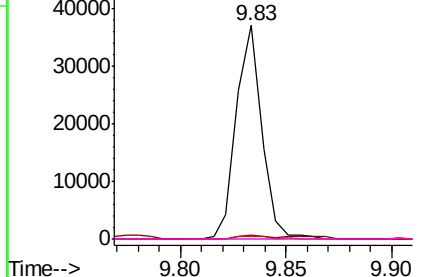


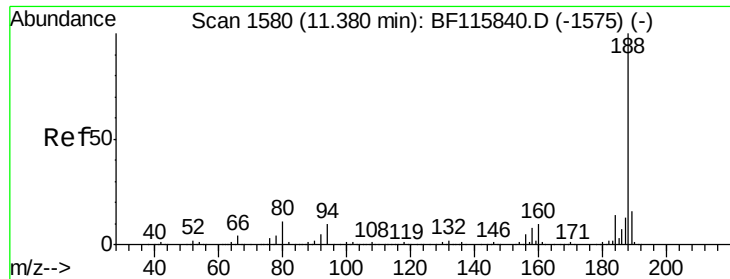
#57
2,4-Dinitrotoluene
Concen: 6.591 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.22 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Tgt Ion:165 Resp: 31070
Ion Ratio Lower Upper
165 100
63 1.6 39.6 59.4#
89 1.4 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

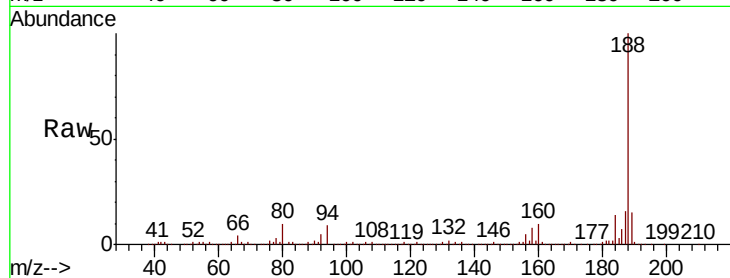




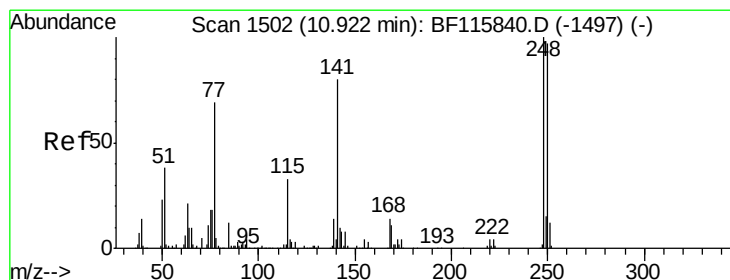
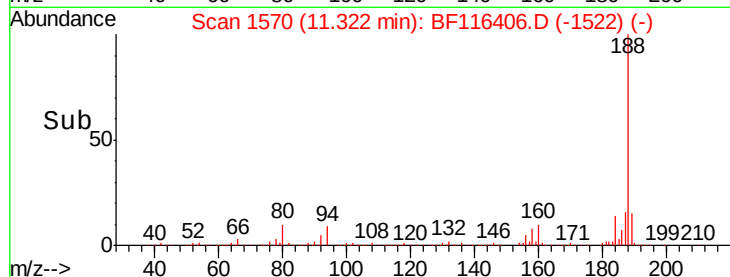
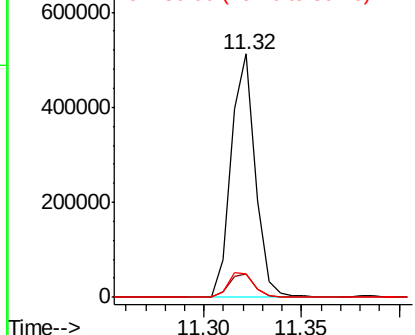
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:188 Resp: 439525
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.1 12.1
 80 9.7 8.7 13.1

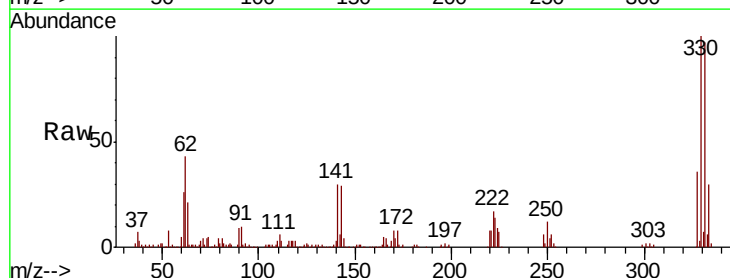


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

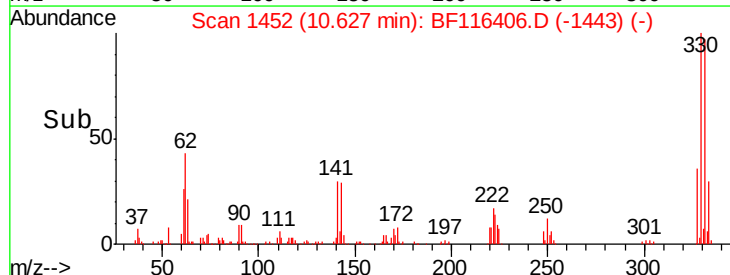
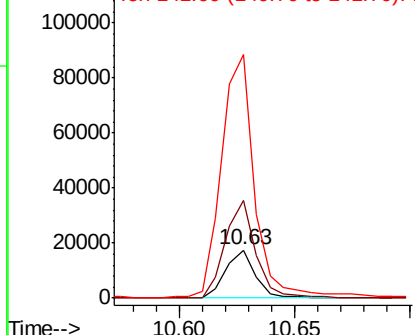


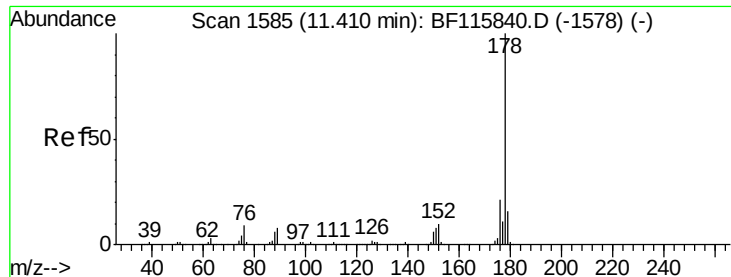
#67
 4-Bromophenyl-phenylether
 Concen: 3.350 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Tgt Ion:248 Resp: 15764
 Ion Ratio Lower Upper
 248 100
 250 203.4 77.4 116.2#
 141 505.0 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

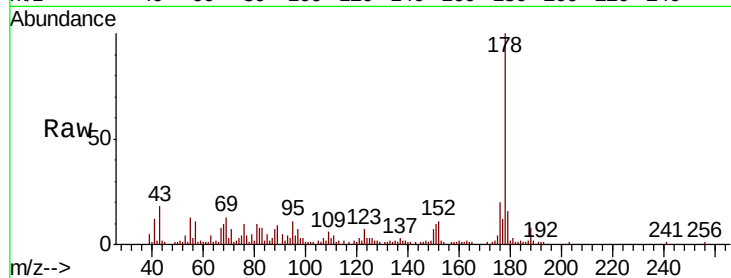




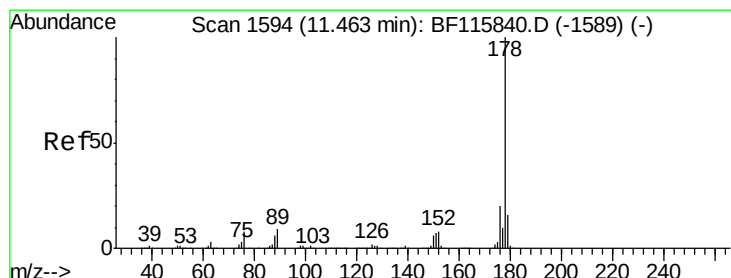
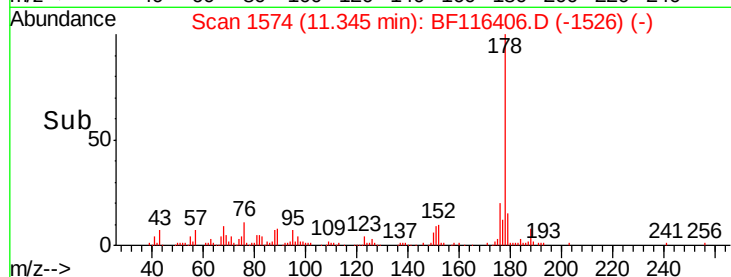
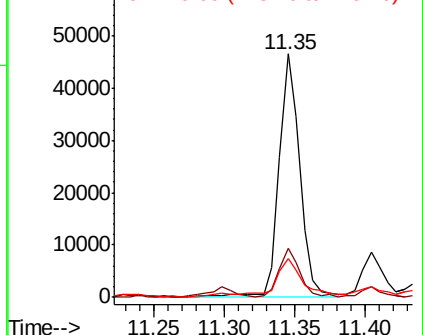
#71
Phenanthrene
Concen: 2.141 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:178 Resp: 48110
Ion Ratio Lower Upper
178 100
176 20.1 16.6 24.8
179 15.7 12.5 18.7

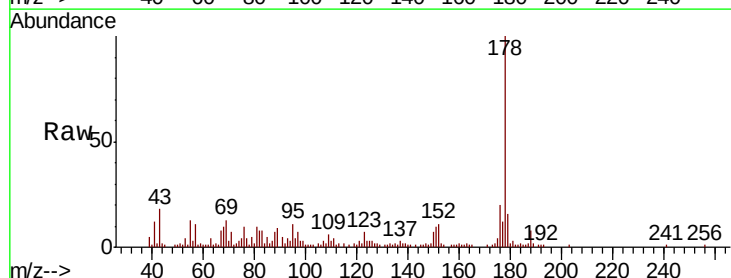


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

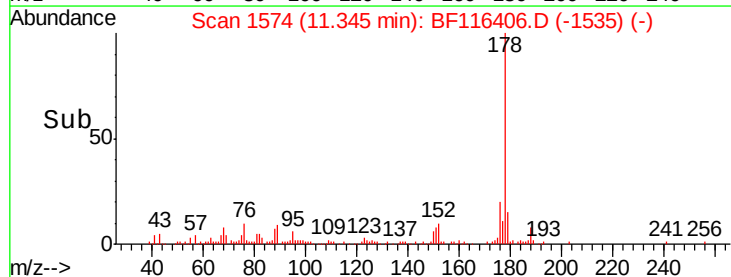
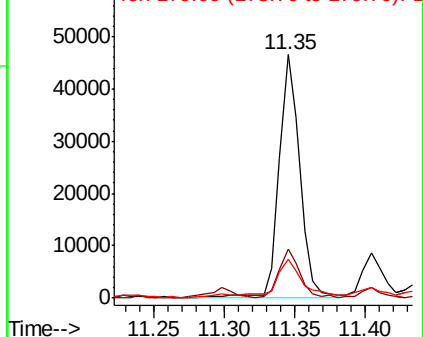


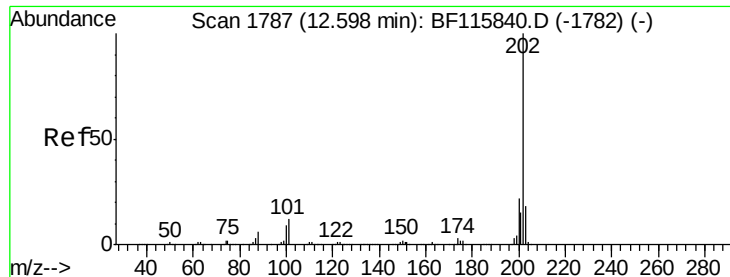
#72
Anthracene
Concen: 2.116 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.07 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Tgt Ion:178 Resp: 48110
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 15.7 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: 3.776 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116406.D

Acq: 19 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

SP-1

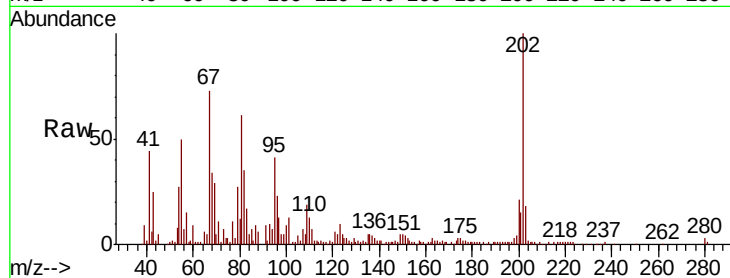
Tgt Ion:202 Resp: 88814

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.2

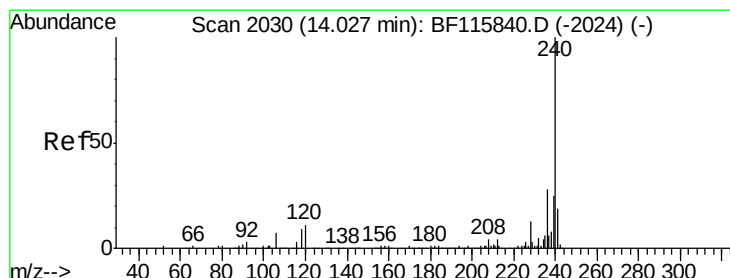
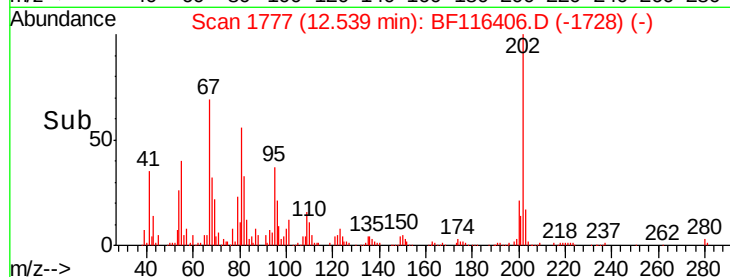
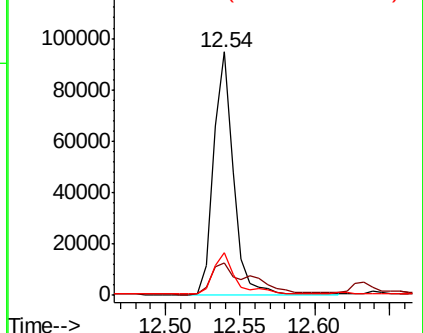
203 17.7 0.0 37.8



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: BF116406.D

Acq: 19 Aug 2019 23:44

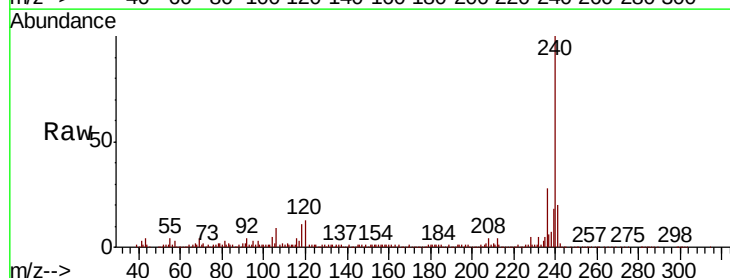
Tgt Ion:240 Resp: 282340

Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

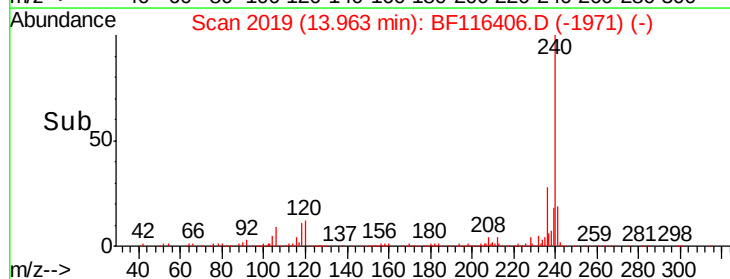
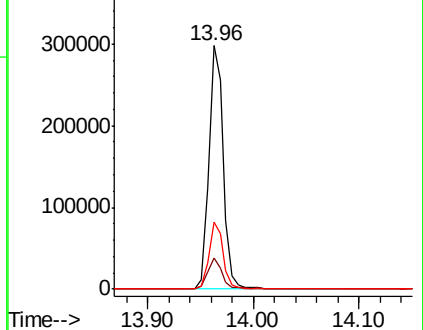
236 27.6 22.2 33.2

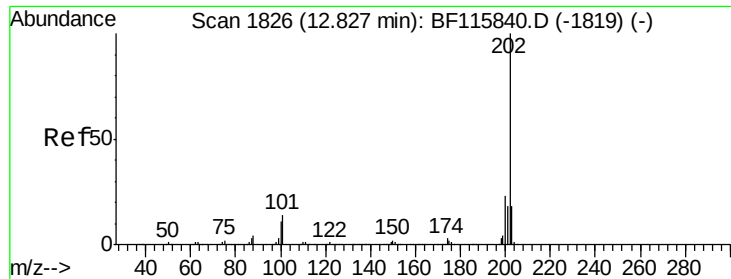


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

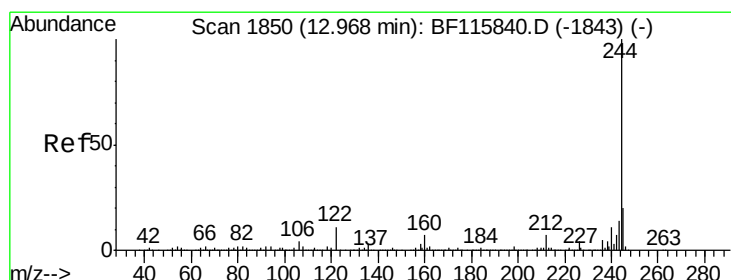
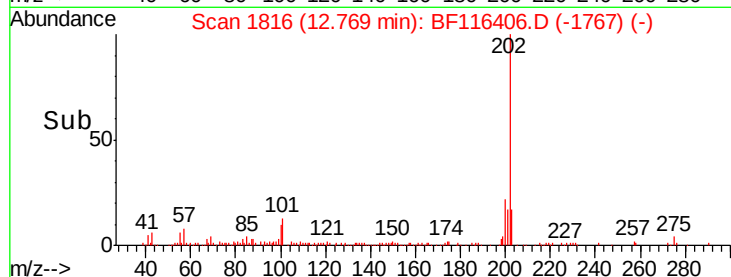
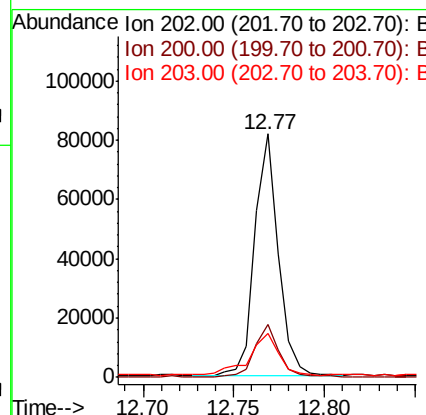
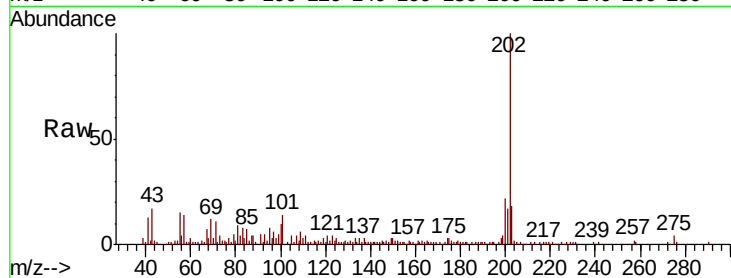




#78
 Pyrene
 Concen: 3.491 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

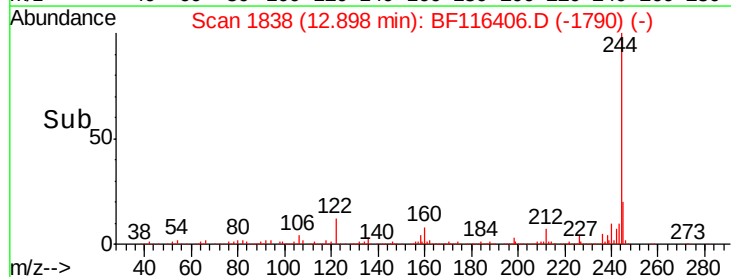
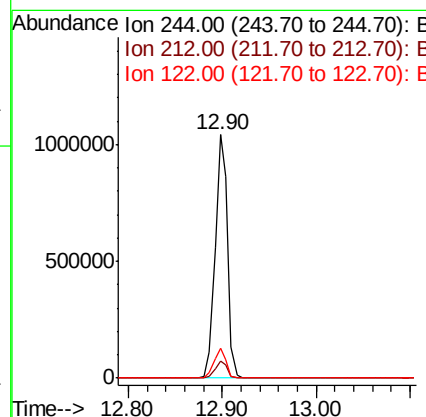
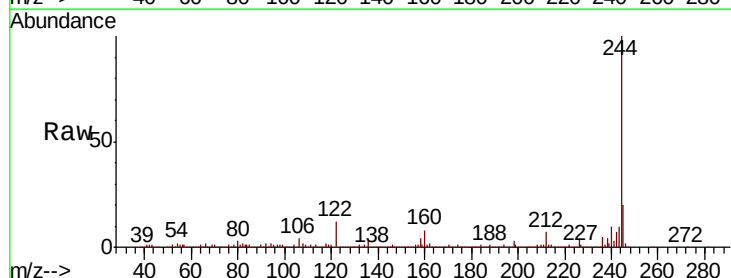
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

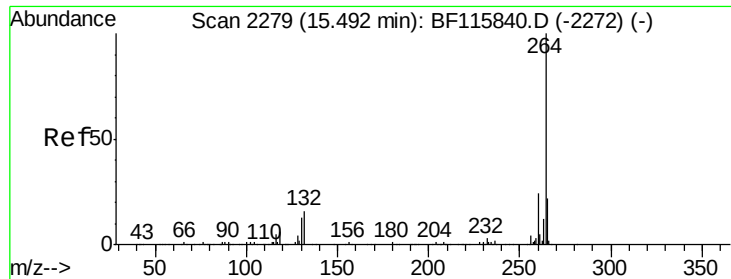
Tgt Ion:202 Resp: 74293
 Ion Ratio Lower Upper
 202 100
 200 21.6 18.0 27.0
 203 18.2 14.1 21.1



#79
 Terphenyl-d14
 Concen: 72.393 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116406.D
 Acq: 19 Aug 2019 23:44

Tgt Ion:244 Resp: 969999
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 12.3 9.0 13.4



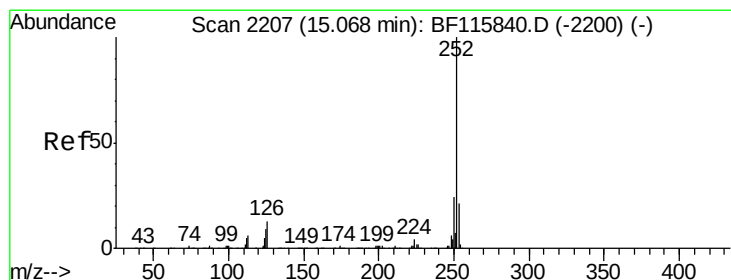
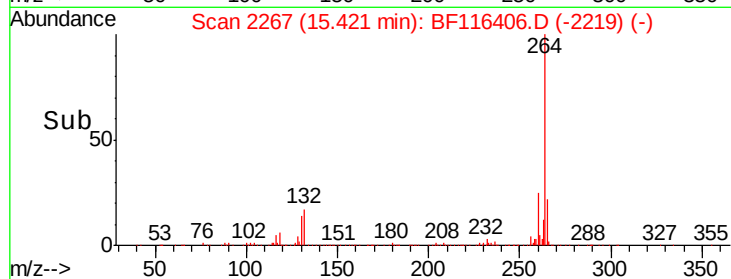
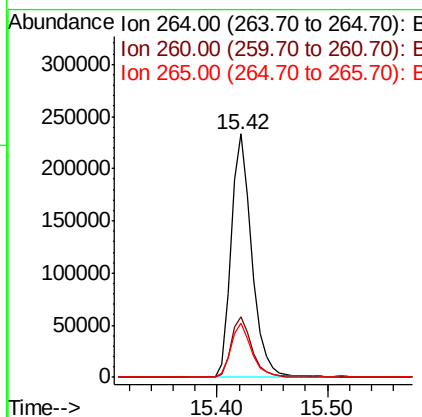
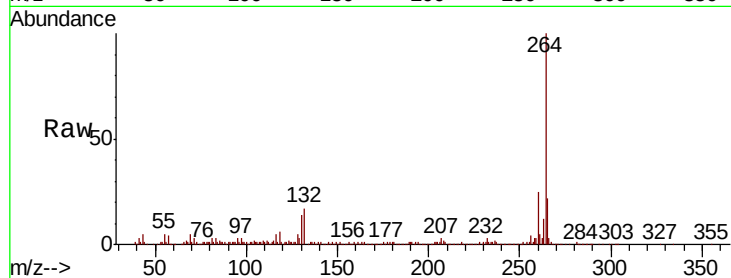


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion: 264 Resp: 308077

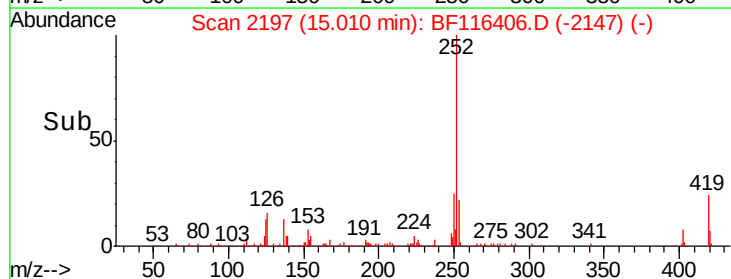
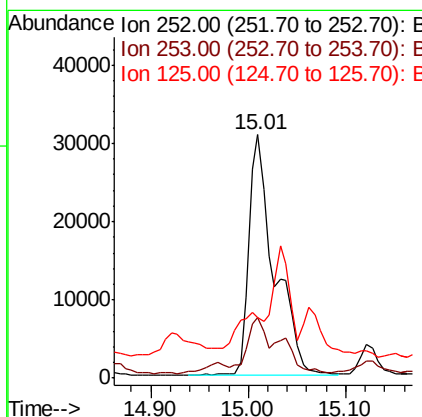
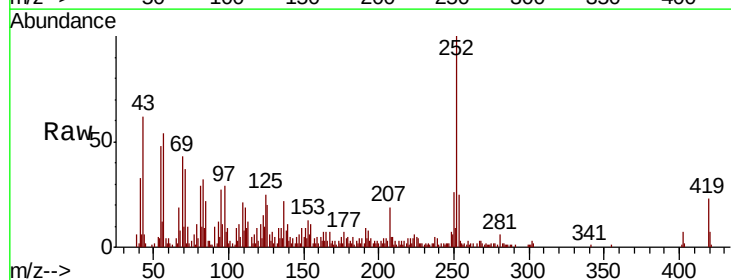
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.7	29.5
265	22.2	17.4	26.0

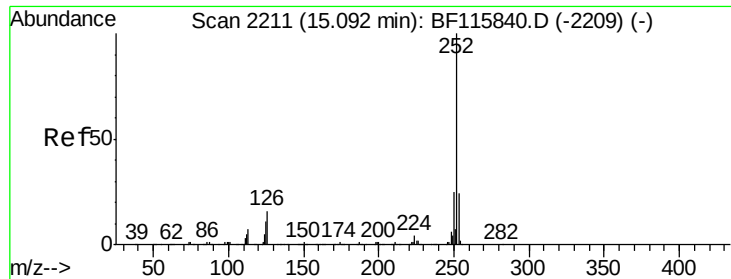


#88
Benzo(b)fluoranthene
Concen: 3.143 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116406.D
Acq: 19 Aug 2019 23:44

Tgt Ion: 252 Resp: 55981

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	25.1	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 3.226 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF116406.D

Acq: 19 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

SP-1

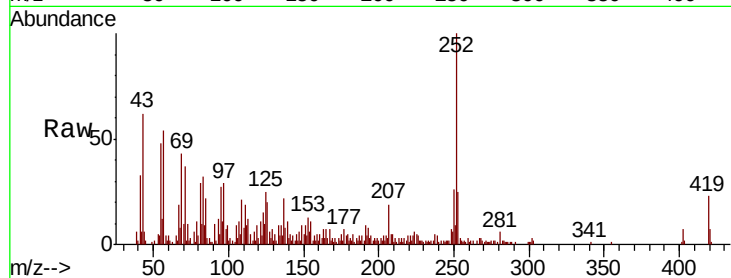
Tgt Ion: 252 Resp: 55981

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 25.1 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

