

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116813.D
 Acq On : 4 Sep 2019 14:11
 Operator : HP/JU
 Sample : K4644-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:06:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	73358	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	295982	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	151272	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	227816	20.00	ng	0.00
76) Chrysene-d12	14.00	240	155262	20.00	ng	0.00
87) Perylene-d12	15.46	264	180224	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	418460	92.41	ng	0.00
7) Phenol-d6	6.48	99	571642	96.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	354432	68.36	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	115407	114.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	614251	68.50	ng	0.00
79) Terphenyl-d14	12.96	244	502919	59.92	ng	0.00

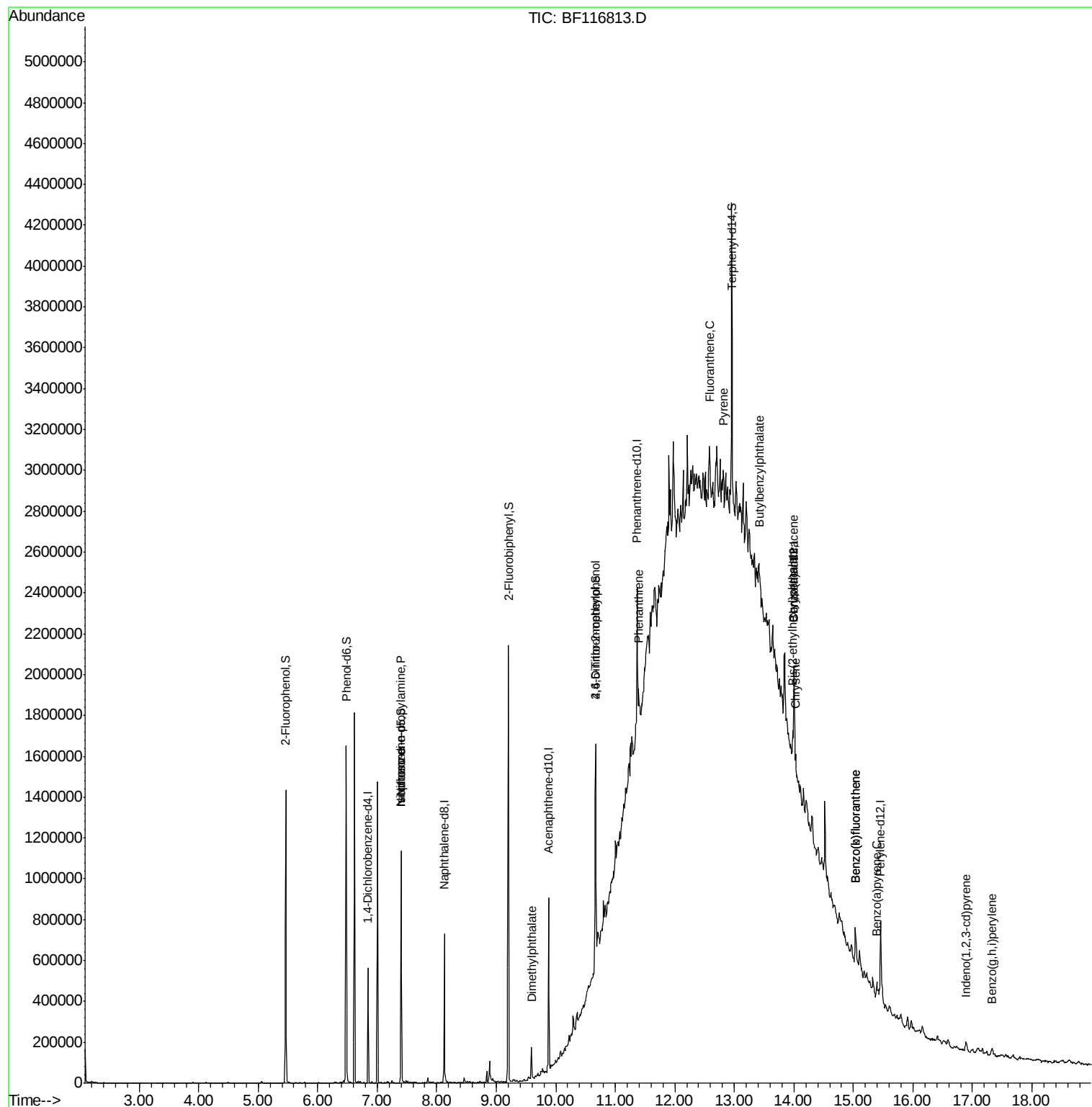
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	47106	12.032	ng	# 70
25) Isophorone	7.40	82	354426	33.735	ng	# 66
50) Dimethylphthalate	9.59	163	59893	5.735	ng	# 98
65) 4,6-Dinitro-2-methylphenol	10.67	198	242	7.695	ng	# 1
71) Phenanthrene	11.39	178	48529	3.827	ng	# 77
75) Fluoranthene	12.59	202	93294	7.486	ng	# 82
78) Pyrene	12.82	202	78429	5.683	ng	# 88
80) Butylbenzylphthalate	13.42	149	16263	2.423	ng	# 66
81) Benzo(a)anthracene	14.00	228	35072	3.569	ng	# 90
83) Chrysene	14.03	228	47470	4.689	ng	# 91
84) Bis(2-ethylhexyl)phthalate	13.98	149	46595	5.624	ng	100
86) Indeno(1,2,3-cd)pyrene	16.89	276	29280	3.601	ng	# 98
88) Benzo(b)fluoranthene	15.03	252	86684	7.956	ng	# 88
89) Benzo(k)fluoranthene	15.03	252	86684	8.725	ng	# 88
90) Benzo(a)pyrene	15.39	252	36033	3.801	ng	# 90
92) Benzo(g,h,i)perylene	17.33	276	27191	3.213	ng	# 98

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

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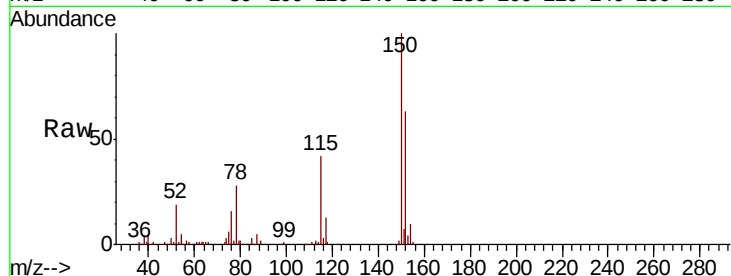


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.4	186.6
115	65.5	49.9	74.9

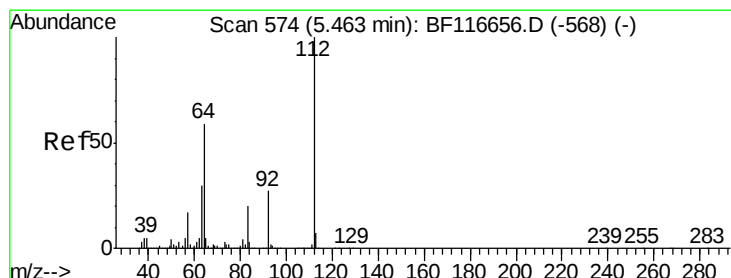
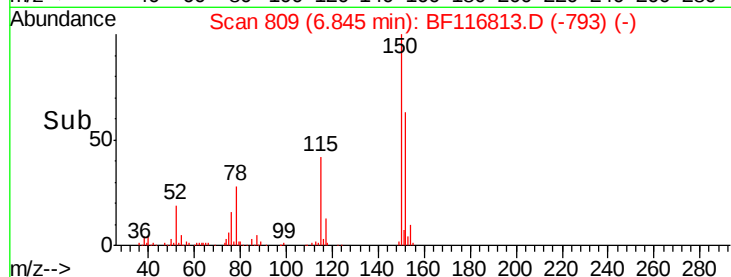
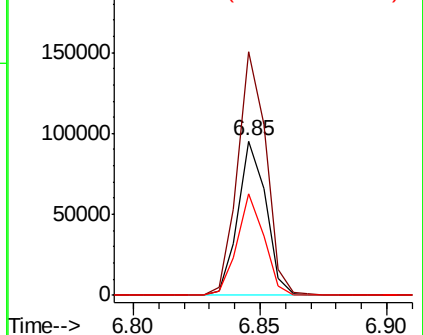


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

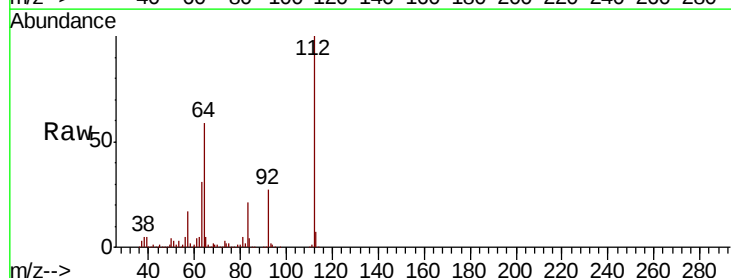
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.414 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.1	70.7
63	31.3	24.9	37.3

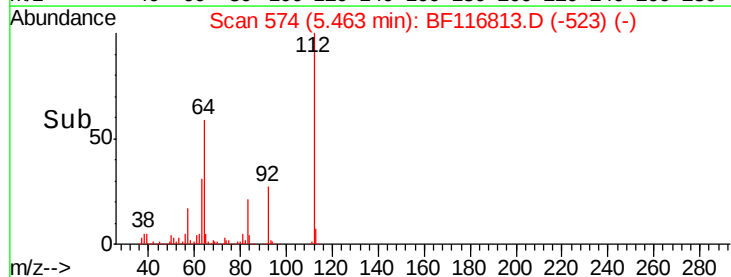
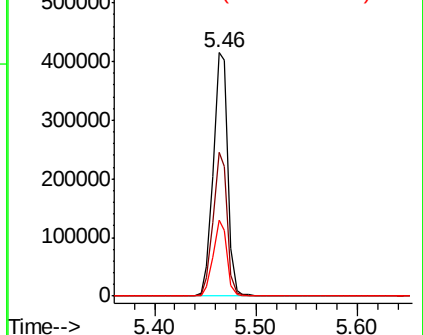


Abundance

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: 96.140 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

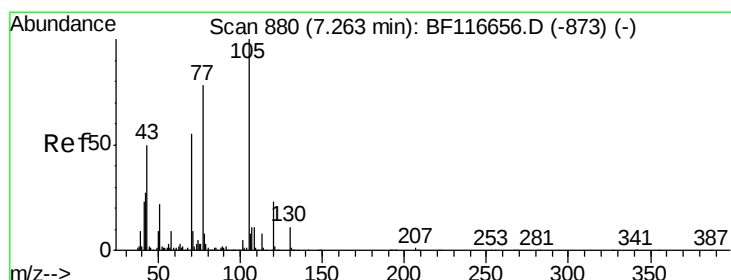
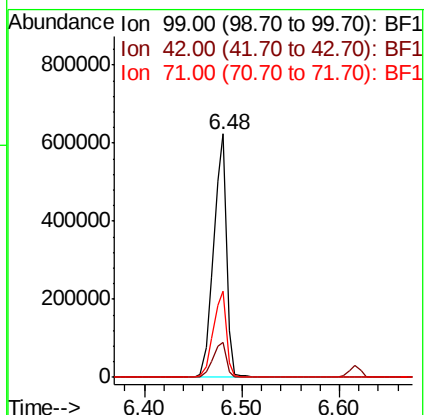
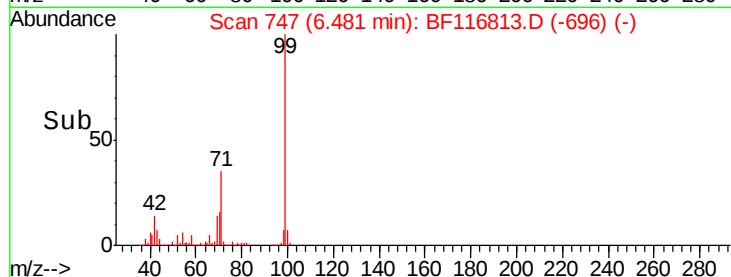
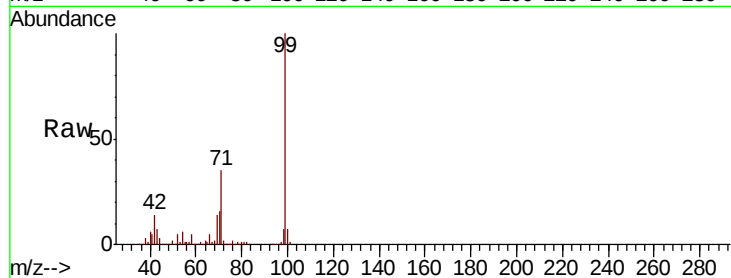
Tot Ion: 99 Resp: 571642

Ion Ratio Lower Upper

99 100

42 14.4 13.7 20.5

71 35.3 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.032 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

Tgt Ion: 70 Resp: 47106

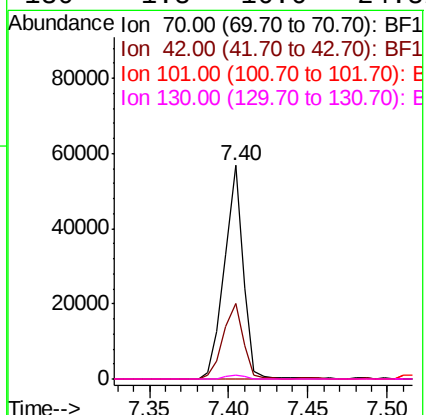
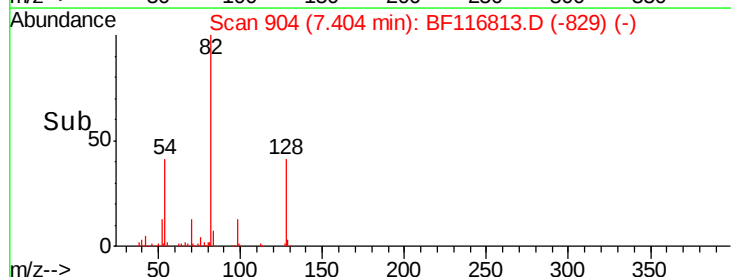
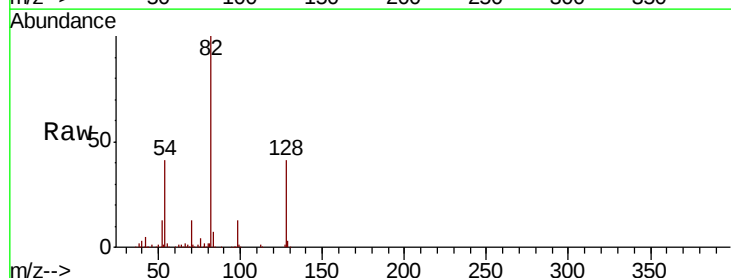
Ion Ratio Lower Upper

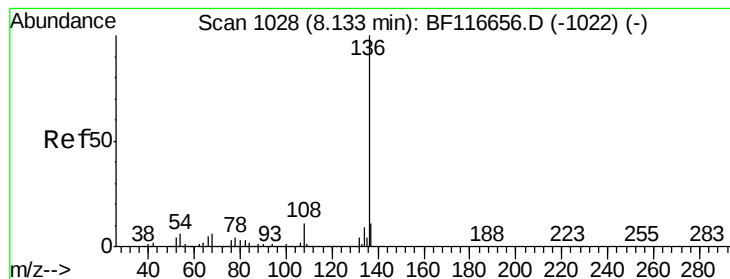
70 100

42 35.6 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 295982

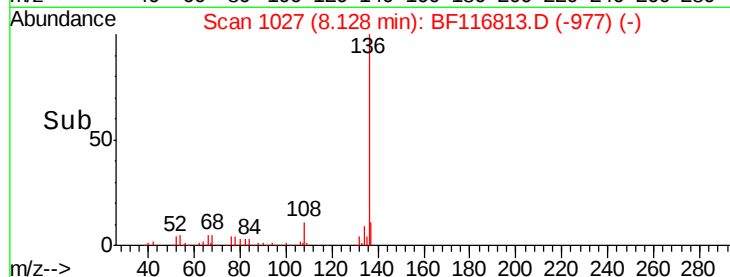
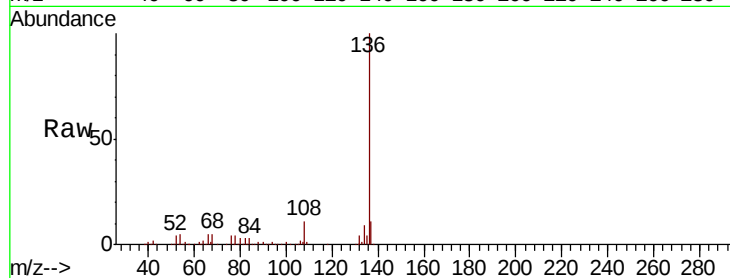
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.3 4.8 7.2

68 4.7 4.0 6.0

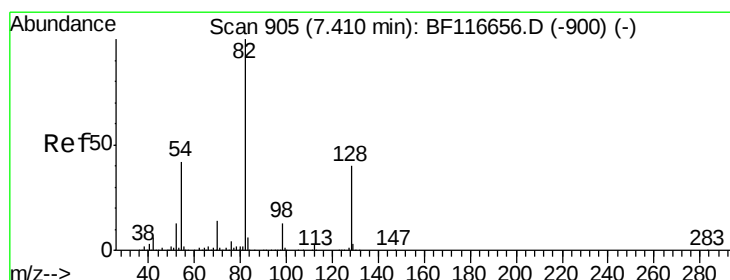
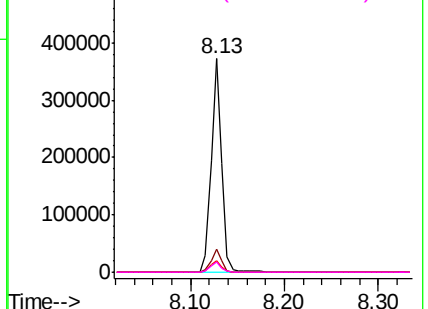


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.361 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

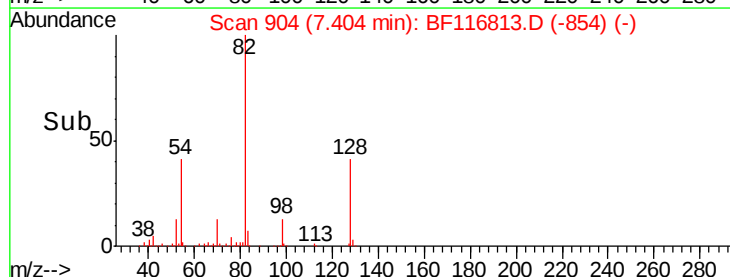
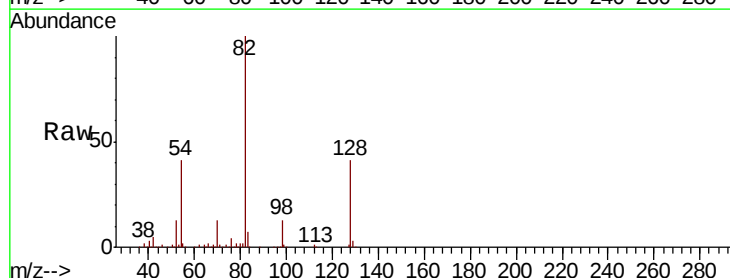
Tgt Ion: 82 Resp: 354432

Ion Ratio Lower Upper

82 100

128 41.3 32.8 49.2

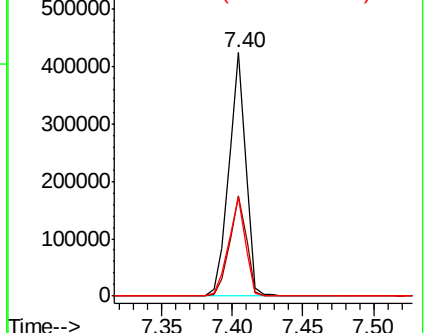
54 40.9 36.9 55.3

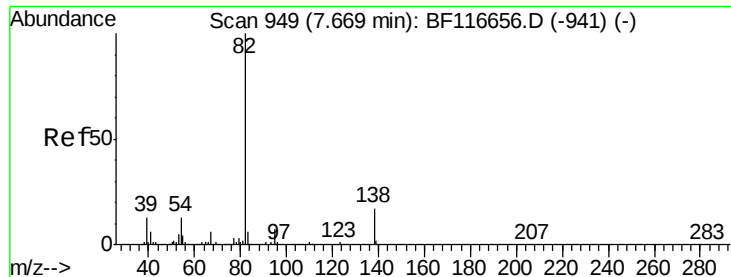


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.735 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

Instrument :

BNA_F

ClientSampled :

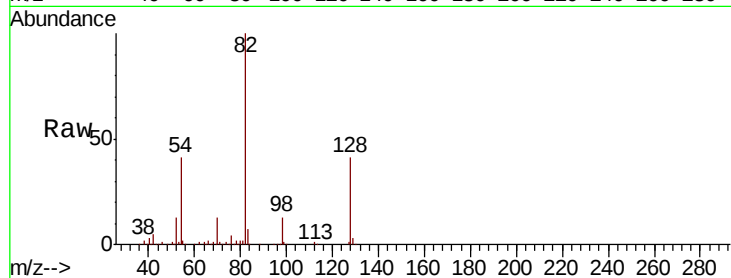
Tot Ion: 82 Resp: 354426

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

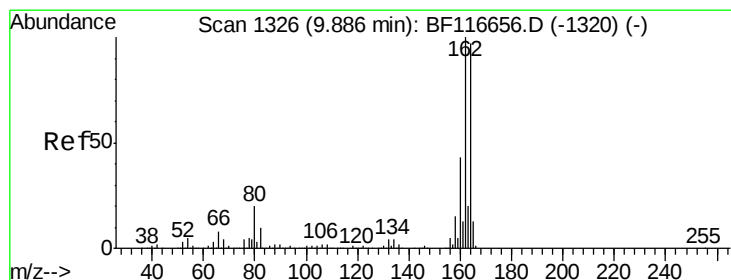
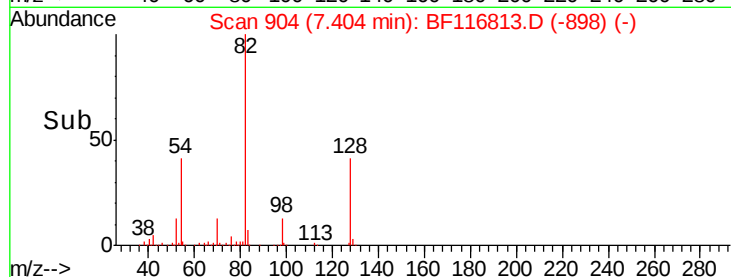
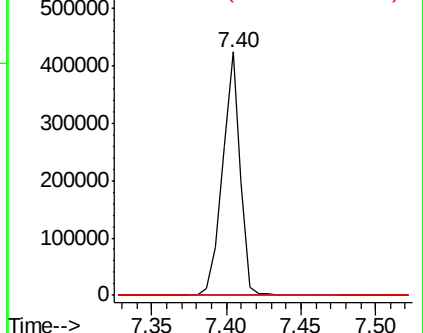
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

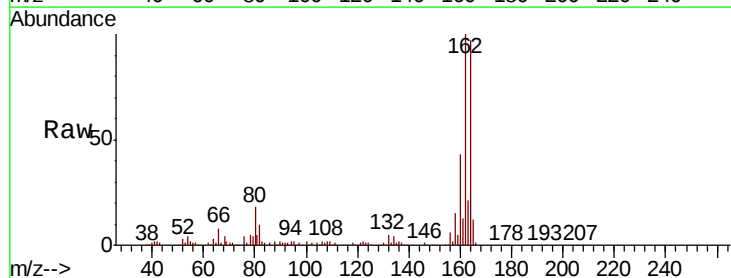
Tgt Ion:164 Resp: 151272

Ion Ratio Lower Upper

164 100

162 103.3 81.4 122.0

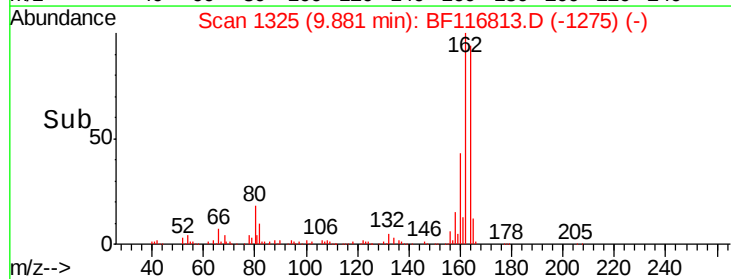
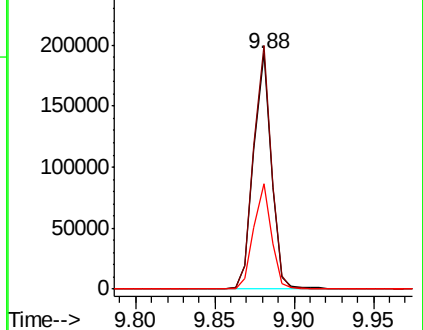
160 44.7 35.4 53.2

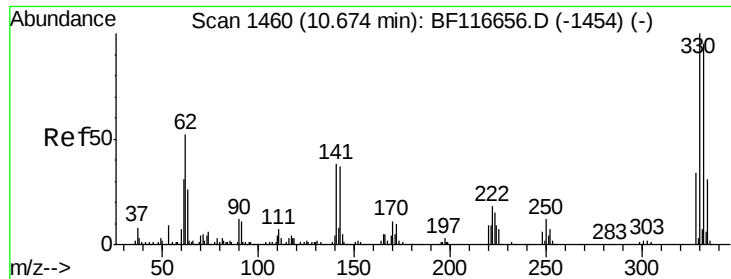


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

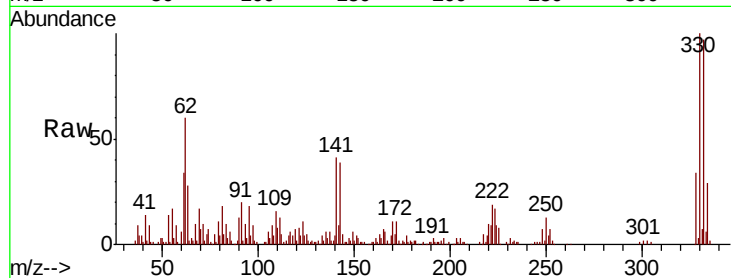




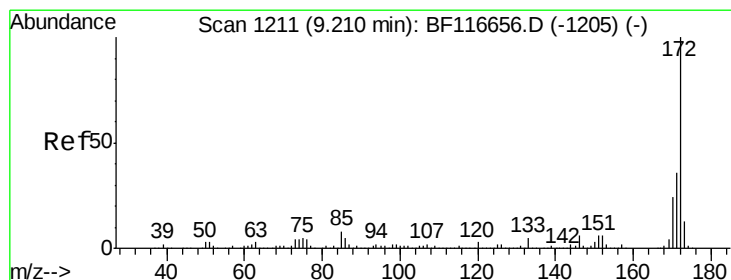
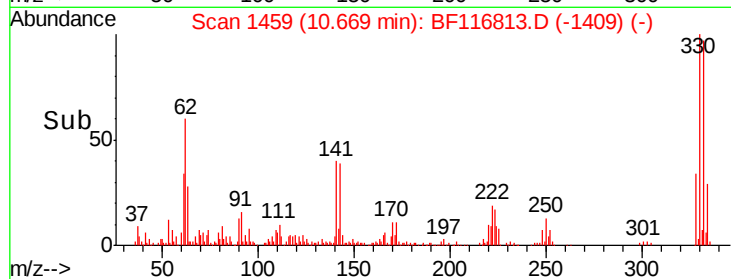
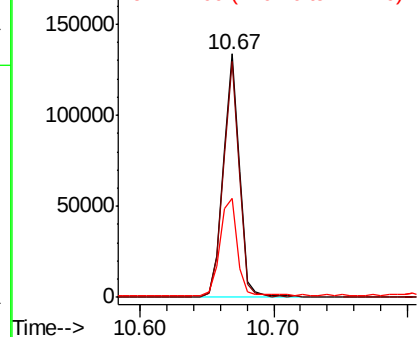
#42
 2,4,6-Tribromophenol
 Concen: 114.119 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116813.D
 Acq: 4 Sep 2019 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	43.3	31.4	47.2

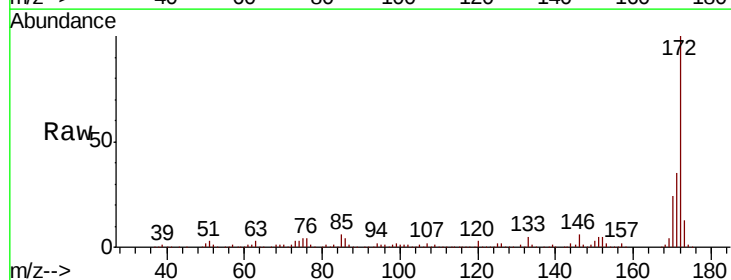


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

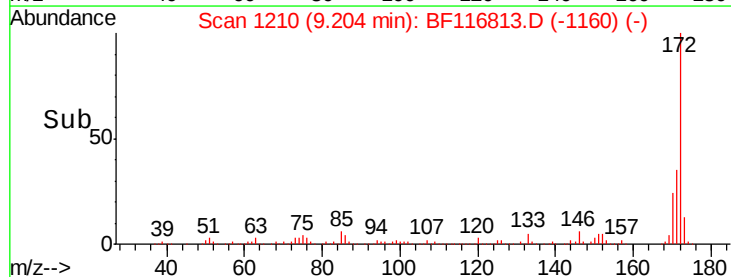
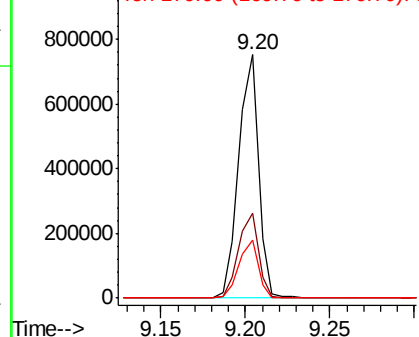


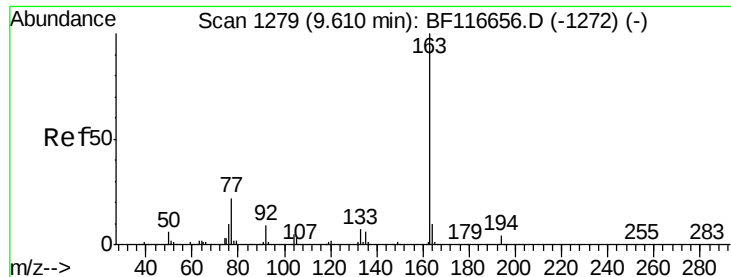
#45
 2-Fluorobiphenyl
 Concen: 68.498 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116813.D
 Acq: 4 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.6	18.9	28.3



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

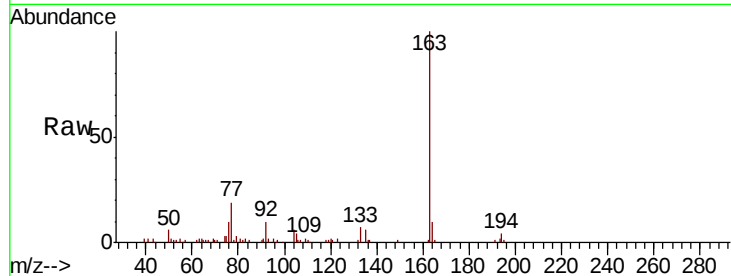




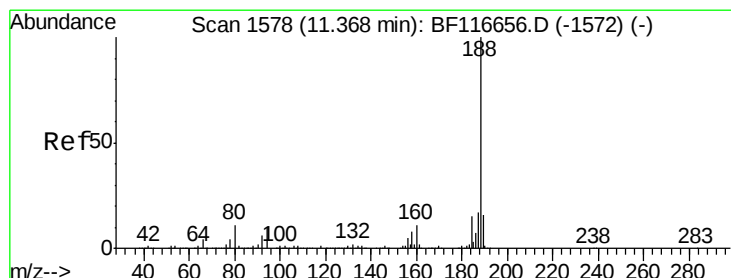
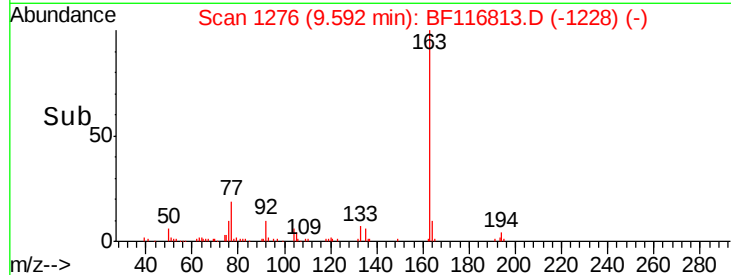
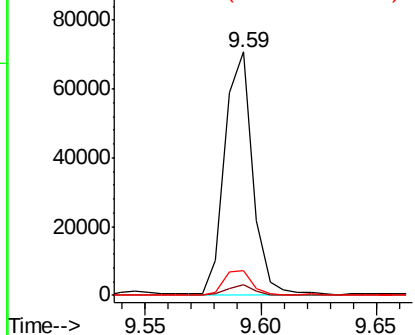
#50
Dimethylphthalate
Concen: 5.735 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.8	4.2#
164	10.0	8.6	12.8

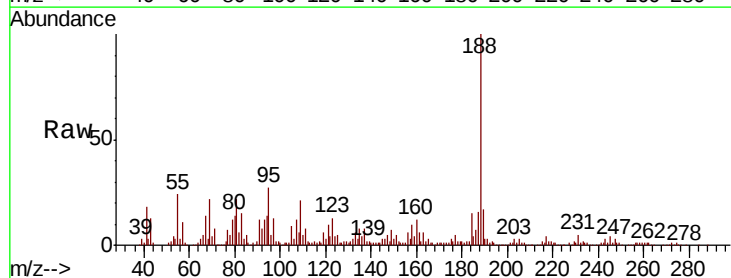


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

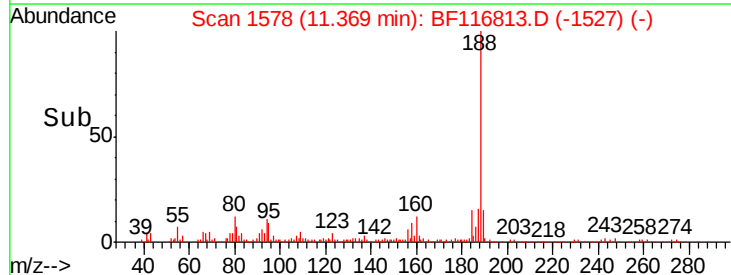
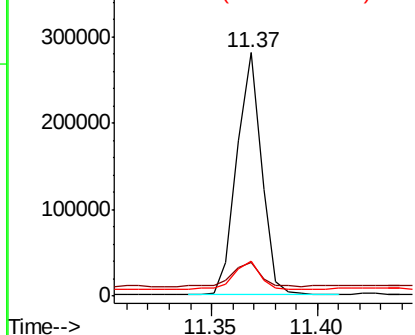


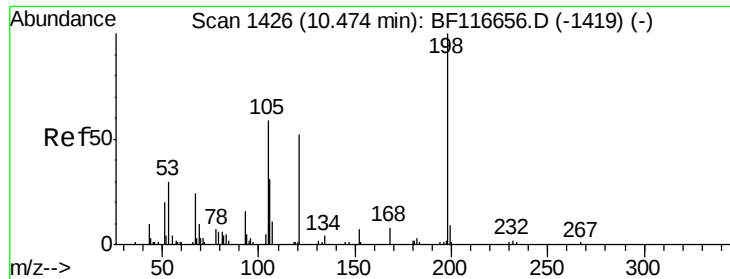
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.8	7.3	10.9#
80	14.1	8.4	12.6#



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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.695 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

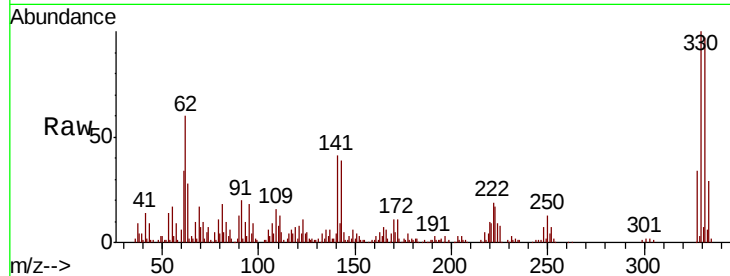
Tot Ion:198 Resp: 242

Ion Ratio Lower Upper

198 100

51 290.9 18.4 58.4#

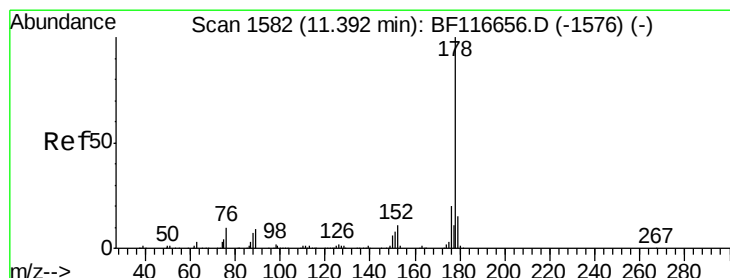
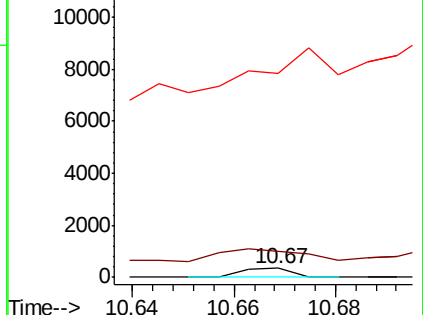
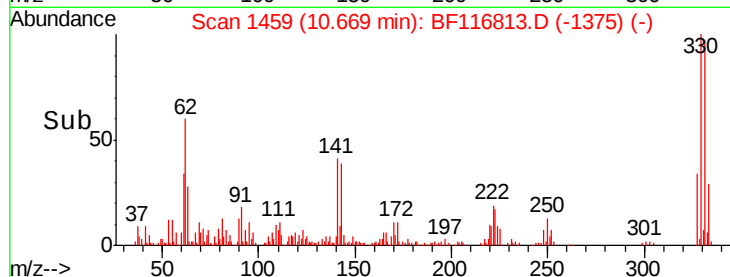
105 2246.6 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 3.827 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

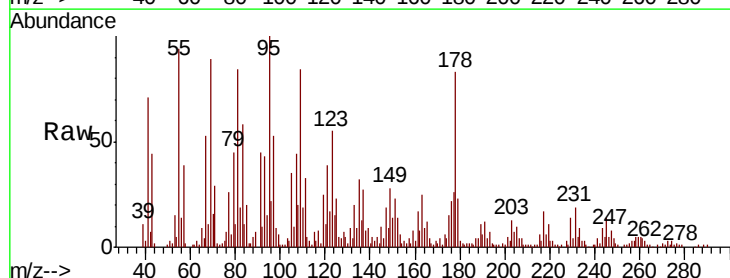
Tgt Ion:178 Resp: 48529

Ion Ratio Lower Upper

178 100

176 26.9 15.4 23.0#

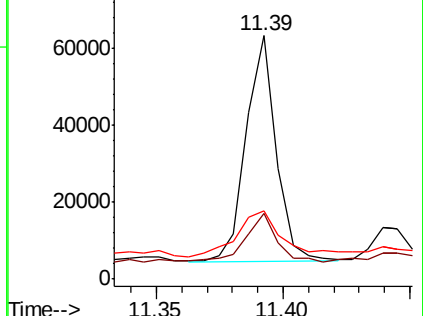
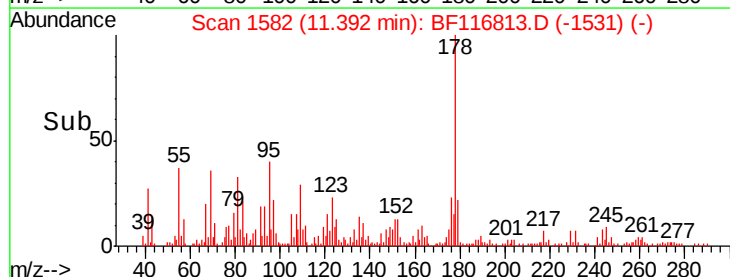
179 28.1 12.2 18.2#

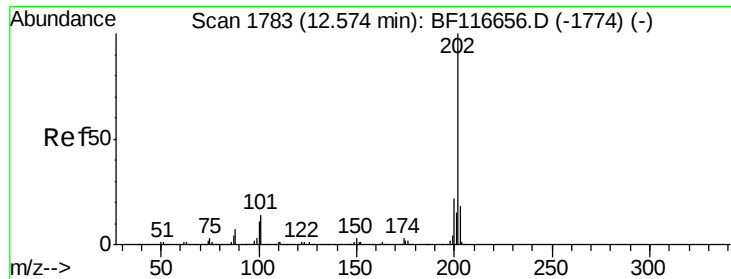


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.486 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BF116813.D

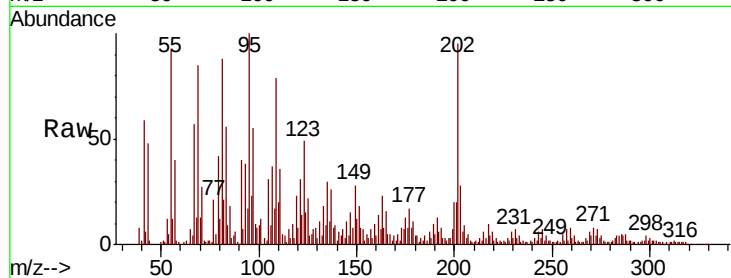
Acq: 4 Sep 2019 14:11

Instrument :

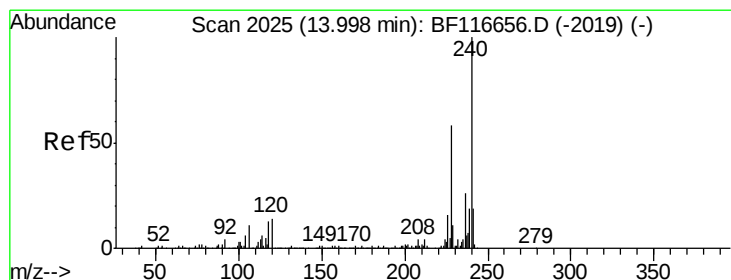
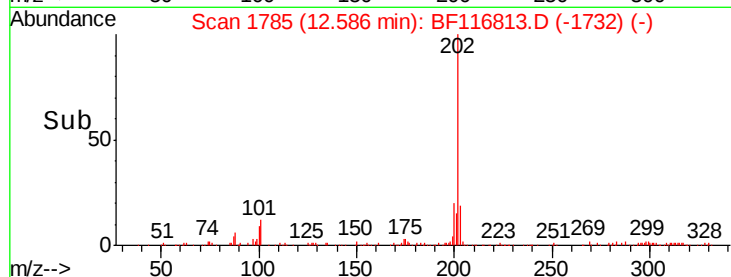
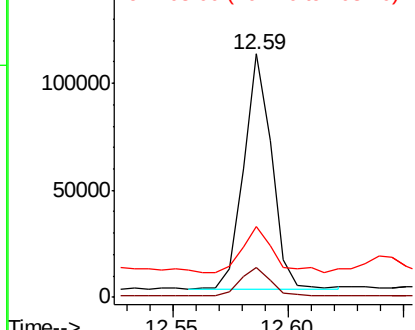
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	93294
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.3
203	29.3	0.0	37.6



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

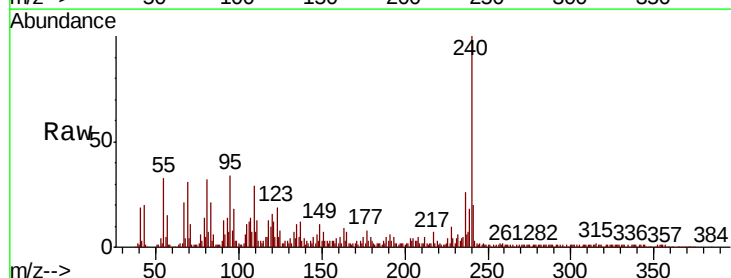
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

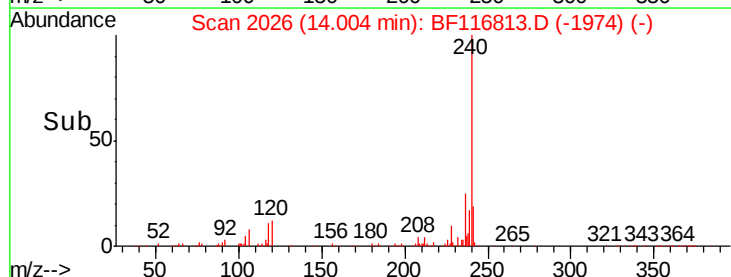
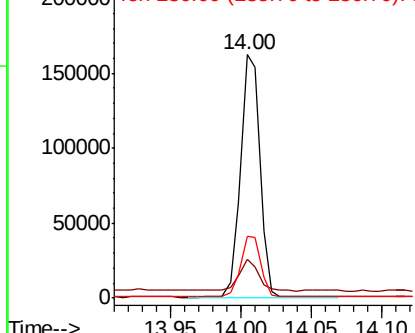
Lab File: BF116813.D

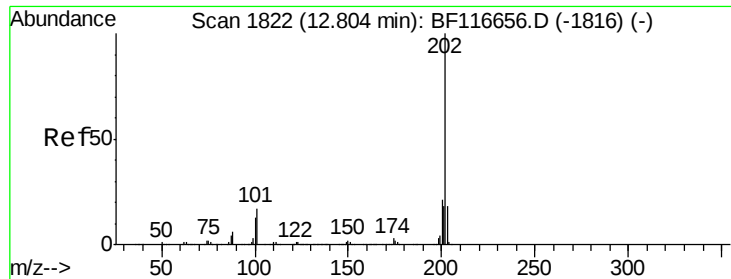
Acq: 4 Sep 2019 14:11

Tgt Ion:	240	Resp:	155262
Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.1	13.7#
236	25.6	21.1	31.7



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

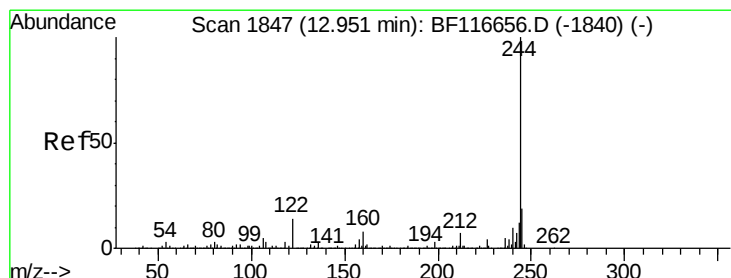
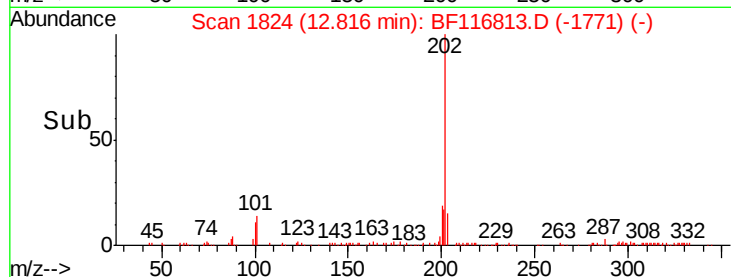
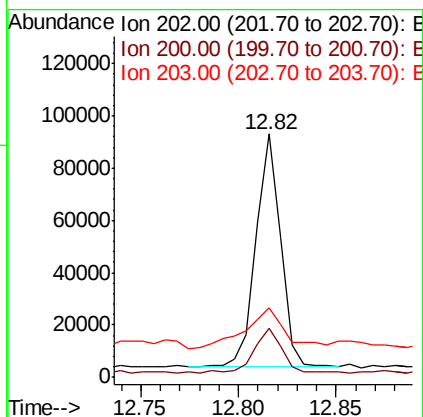
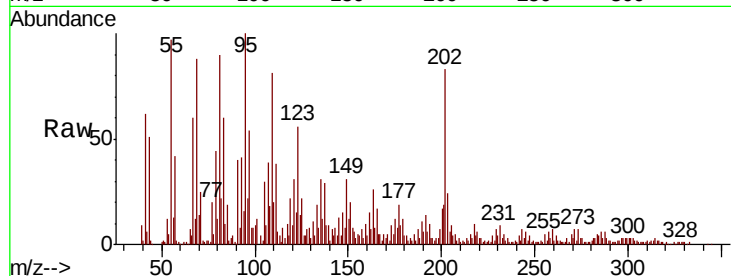




#78
Pvrene
Concen: 5.683 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

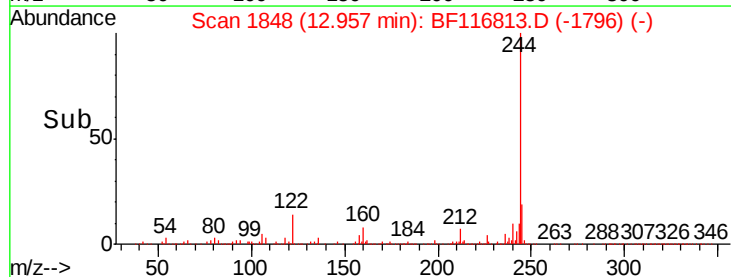
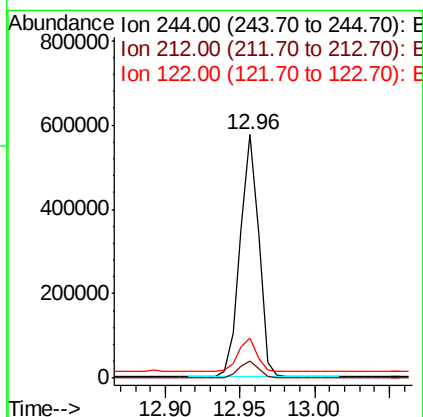
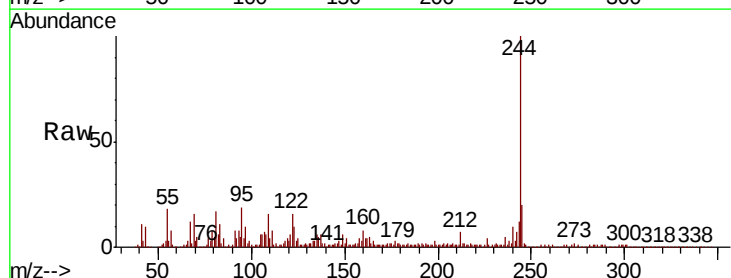
Instrument :
BNA_F
ClientSampleId :

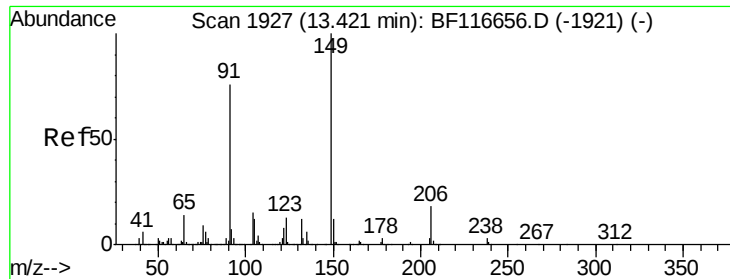
Tot Ion:202 Resp: 78429
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 28.4 13.7 20.5#



#79
Terphenyl-d14
Concen: 59.923 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Tgt Ion:244 Resp: 502919
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 16.3 10.2 15.4#

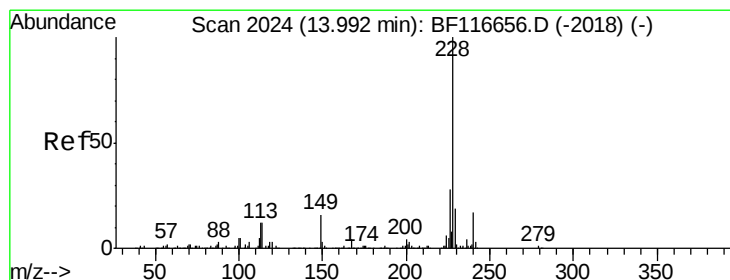
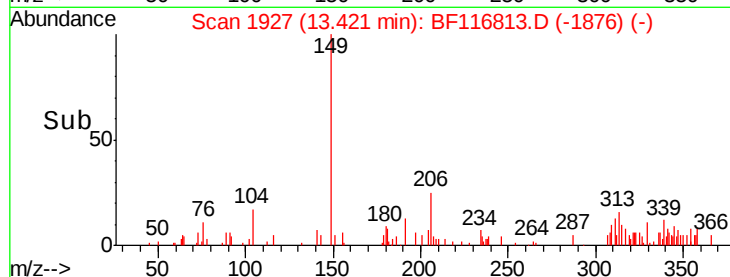
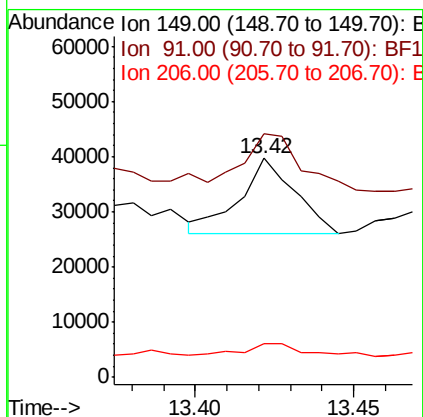
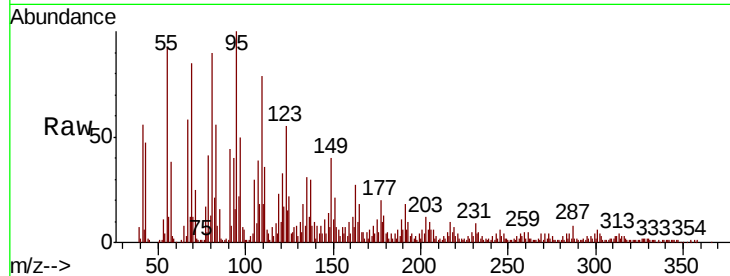




#80
Butylbenzylphthalate
Concen: 2.423 ng
RT: 13.42 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

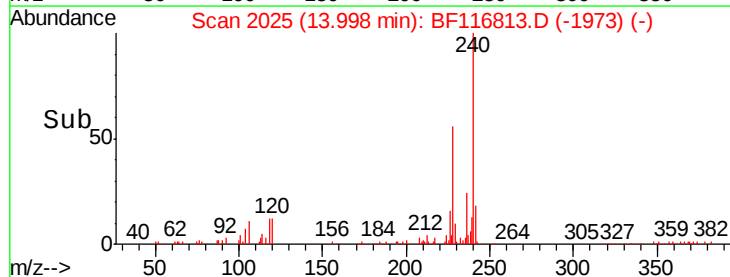
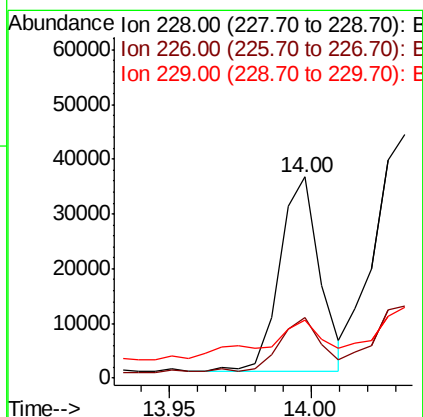
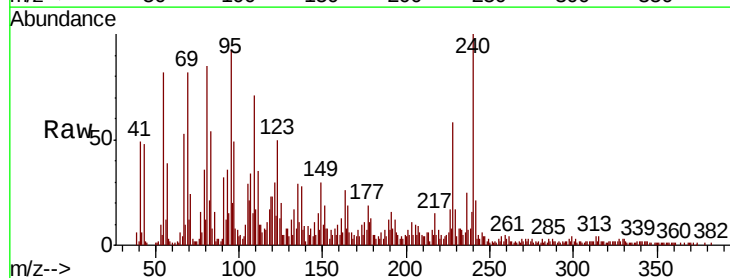
Instrument :
BNA_F
ClientSampleId :

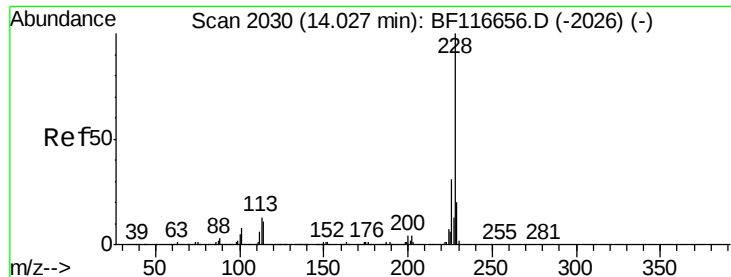
Tot Ion:149 Resp: 16263
Ion Ratio Lower Upper
149 100
91 111.2 61.0 91.4#
206 15.2 14.8 22.2



#81
Benzo(a)anthracene
Concen: 3.569 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Tgt Ion:228 Resp: 35072
Ion Ratio Lower Upper
228 100
226 29.8 22.0 33.0
229 28.6 16.4 24.6#

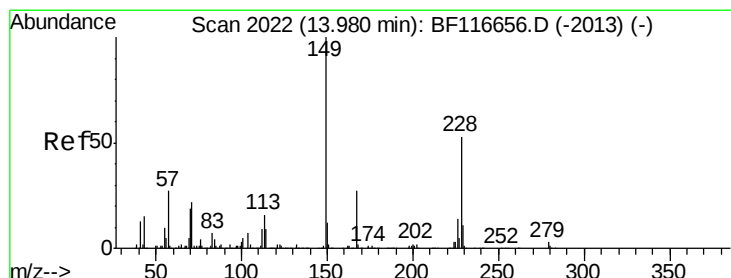
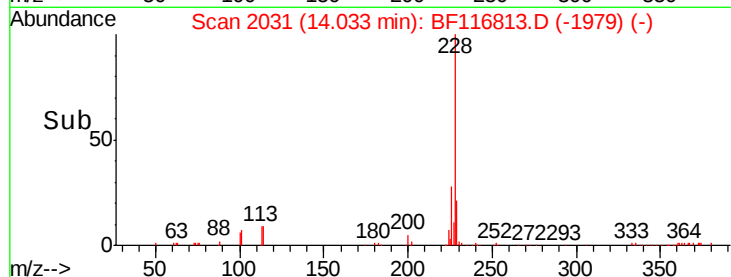
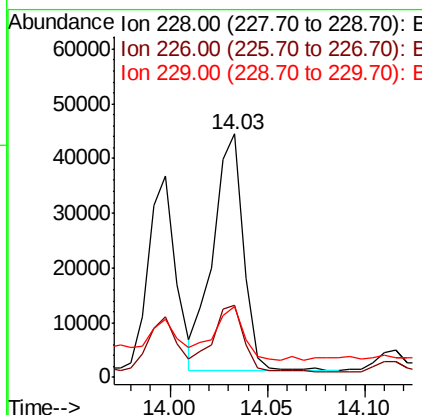
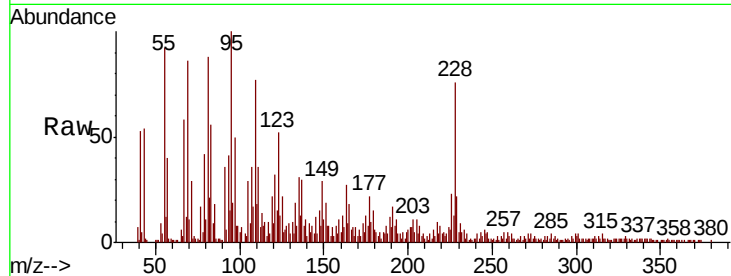




#83
 Chrvsene
 Concen: 4.689 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: BF116813.D
 Acq: 4 Sep 2019 14:11

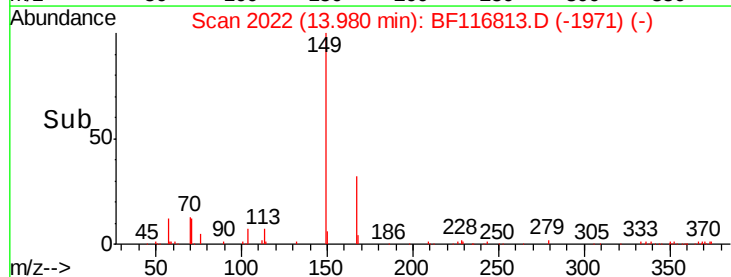
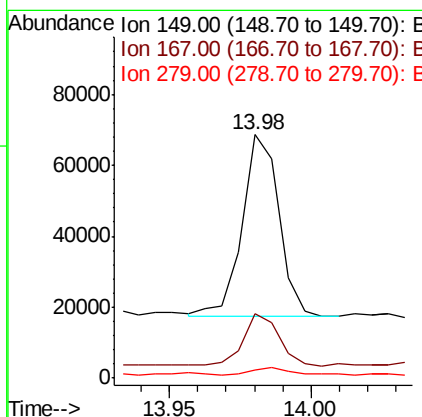
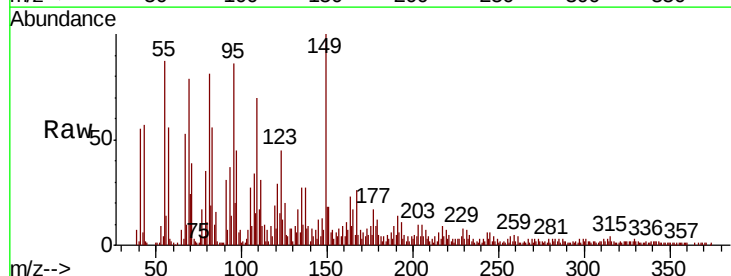
Instrument :
 BNA_F
 ClientSampleId :

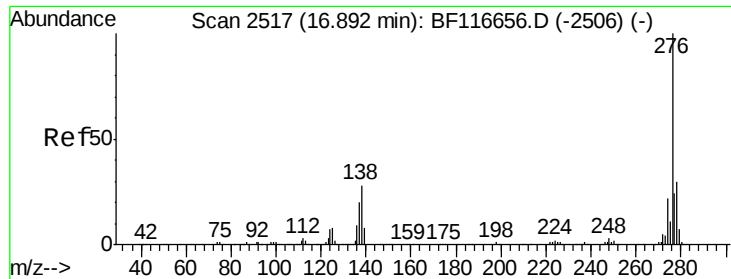
Tot Ion:228 Resp: 47470
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.0 36.0
 229 29.1 15.4 23.0#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.624 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF116813.D
 Acq: 4 Sep 2019 14:11

Tgt Ion:149 Resp: 46595
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.0 31.4
 279 3.5 2.8 4.2

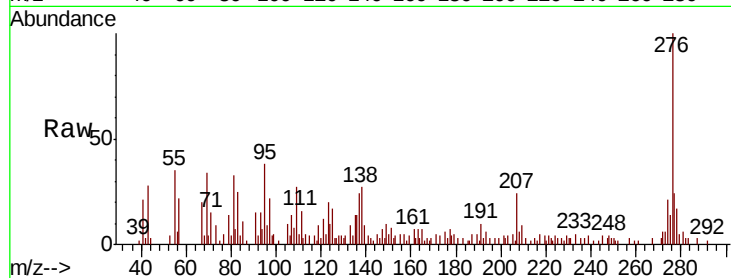




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.601 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.4	29.2
277	27.9	20.5	30.7

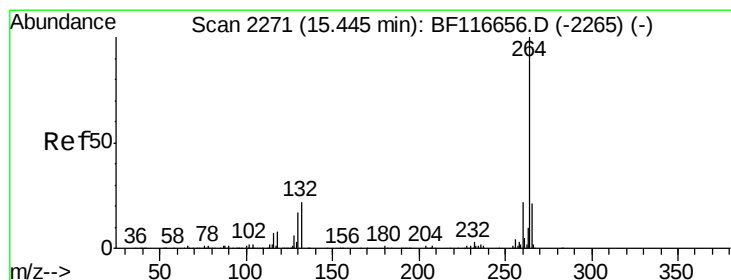
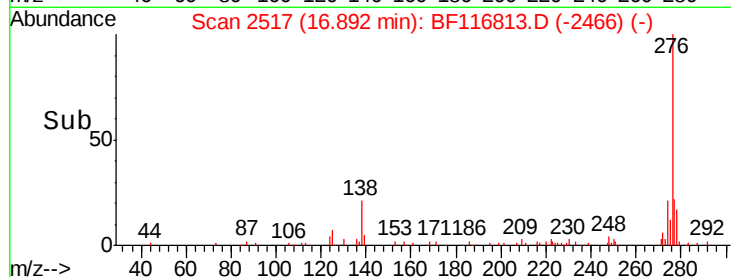
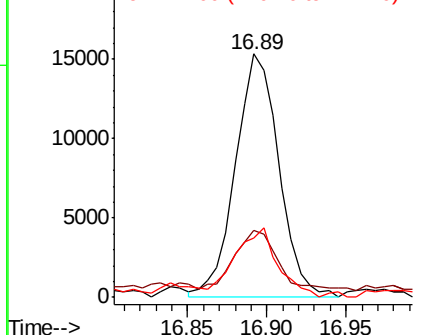


Abundance

Ion 276.00 (275.70 to 276.70): E

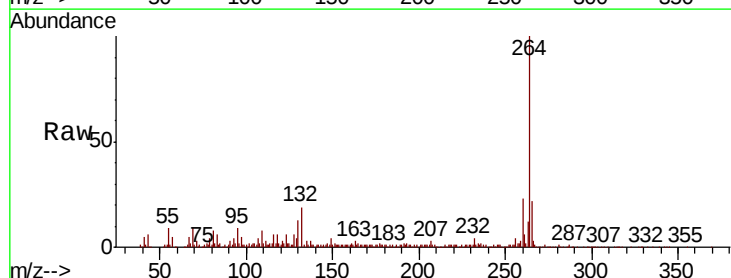
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	22.0	16.5	24.7

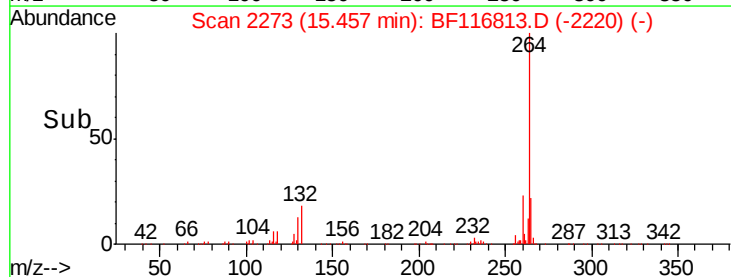
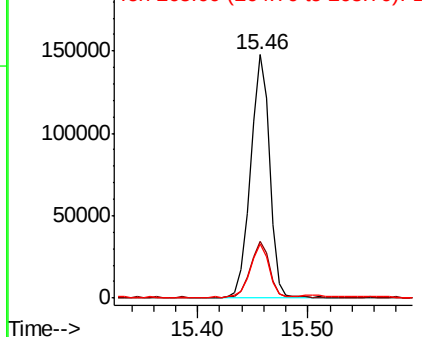


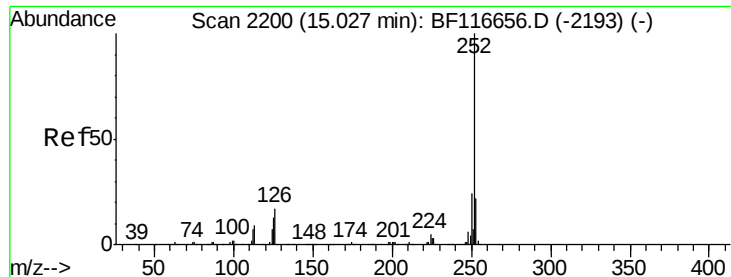
Abundance

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: 7.956 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

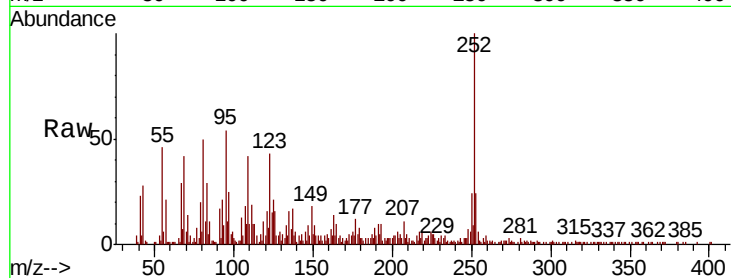
Tot Ion:252 Resp: 86684

Ion Ratio Lower Upper

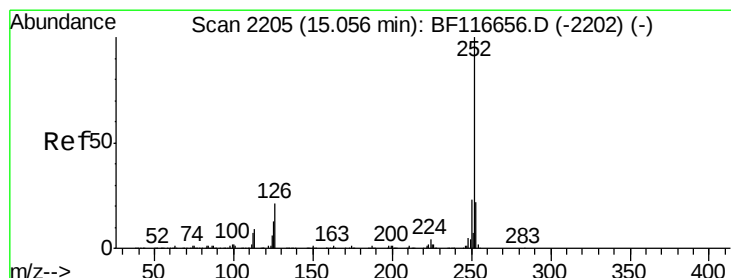
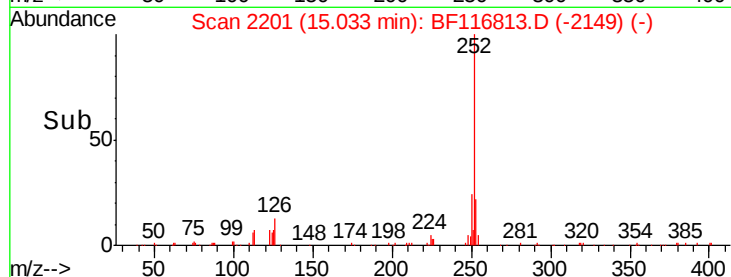
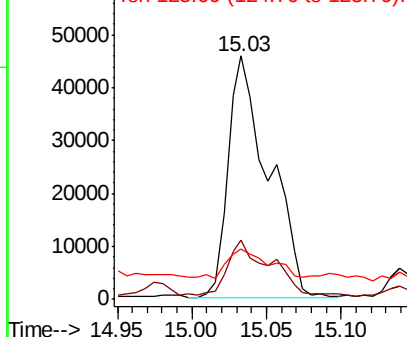
252 100

253 24.3 17.7 26.5

125 20.6 8.2 12.2#



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: 8.725 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF116813.D

Acq: 4 Sep 2019 14:11

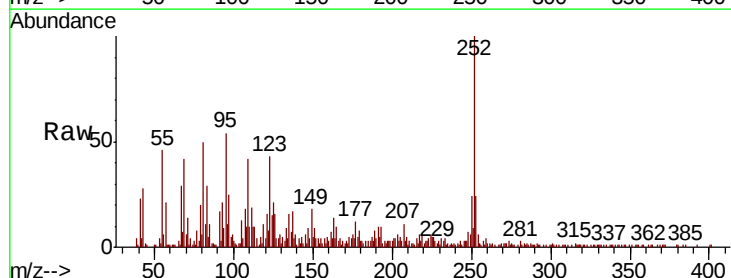
Tgt Ion:252 Resp: 86684

Ion Ratio Lower Upper

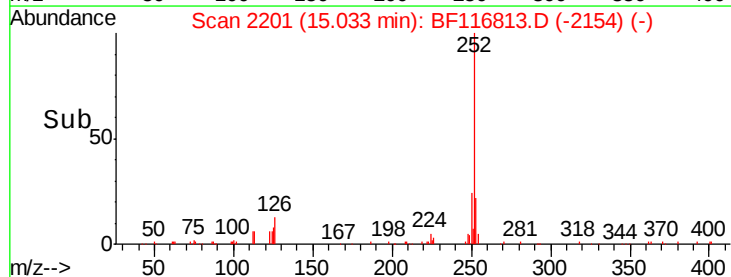
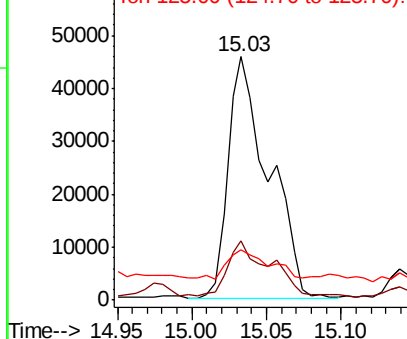
252 100

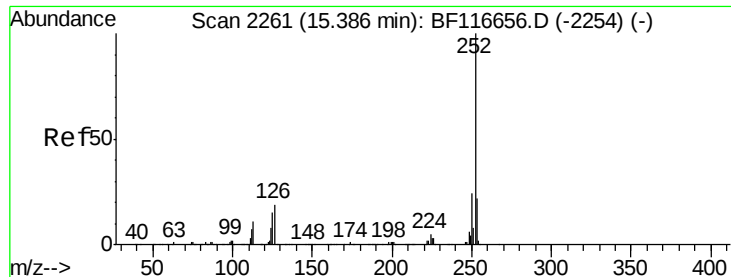
253 24.3 17.7 26.5

125 20.6 8.6 13.0#



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

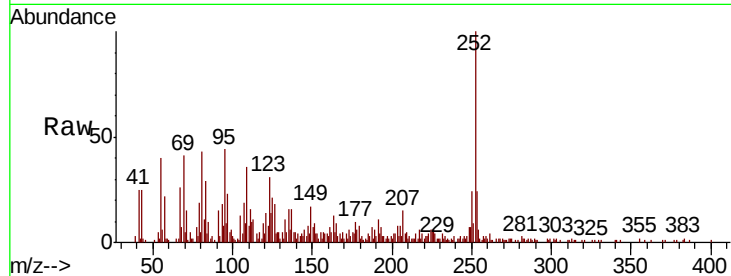




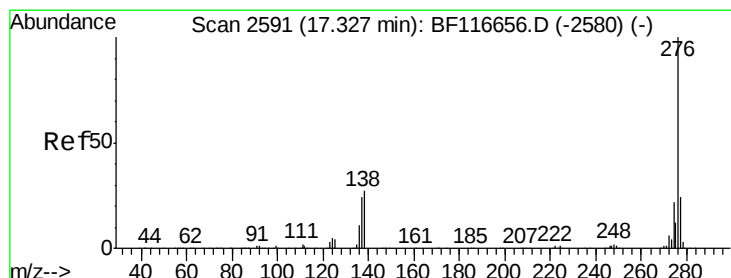
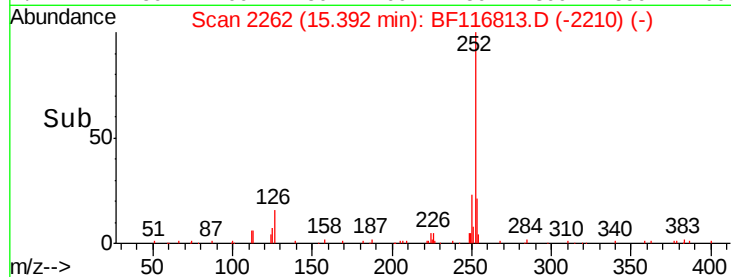
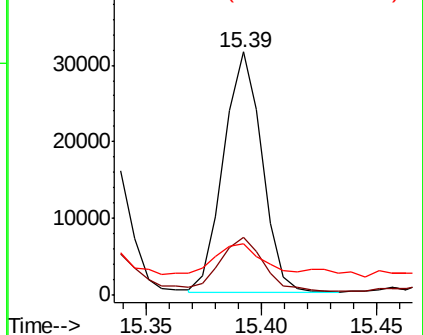
#90
Benzo(a)pyrene
Concen: 3.801 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36033
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 21.2 9.8 14.8#

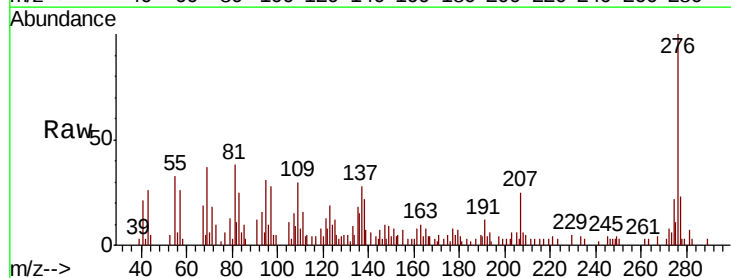


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.213 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116813.D
Acq: 4 Sep 2019 14:11

Tgt Ion:276 Resp: 27191
Ion Ratio Lower Upper
276 100
277 23.4 18.5 27.7
138 21.8 16.2 24.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

