

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116095.D
 Acq On : 9 Aug 2019 3:51
 Operator : HP/JU
 Sample : K4192-04RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:17:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155629	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	625219	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	310604	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	451267	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	288961	20.00	ng	0.00
87) Perylene-d12	15.47	264	291542	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	814431	87.61	ng	0.00
7) Phenol-d6	6.47	99	1073137	91.49	ng	-0.01
23) Nitrobenzene-d5	7.40	82	694870	64.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	239327	79.47	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1216699	73.37	ng	-0.01
79) Terphenyl-d14	12.94	244	986601	71.95	ng	-0.01

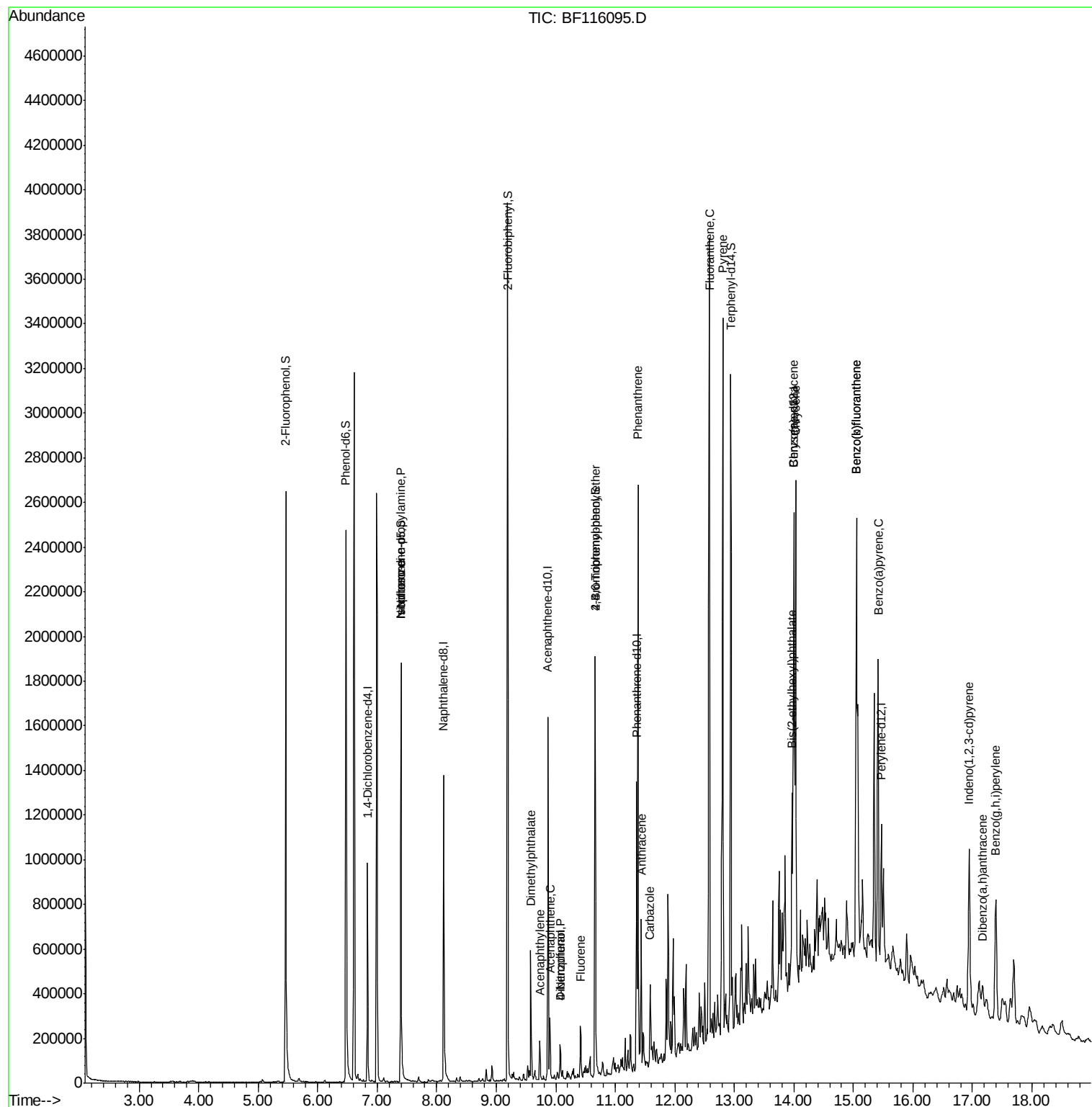
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	93585	12.876	ng	# 79
25) Isophorone	7.40	82	694867	33.550	ng	# 65
49) Acenaphthylene	9.73	152	74851	2.811	ng	97
50) Dimethylphthalate	9.59	163	256163	12.113	ng	98
52) Acenaphthene	9.90	154	59097	3.618	ng	96
55) Dibenzofuran	10.07	168	53760	2.263	ng	98
56) 4-Nitrophenol	10.07	139	21489	5.907	ng	# 8
58) Fluorene	10.42	166	67178	3.676	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	14593	3.021	ng	# 1
71) Phenanthrene	11.39	178	1001133	43.396	ng	100
72) Anthracene	11.43	178	247238	10.589	ng	99
73) Carbazole	11.59	167	143537	6.776	ng	98
75) Fluoranthene	12.58	202	1630468	67.509	ng	98
78) Pyrene	12.81	202	1478101	67.858	ng	99
81) Benzo(a)anthracene	13.99	228	818789	44.332	ng	97
83) Chrysene	14.03	228	905234	50.485	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	275575	23.015	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	464550	30.847	ng	95
88) Benzo(b)fluoranthene	15.05	252	1553413	92.151	ng	97
89) Benzo(k)fluoranthene	15.05	252	1553413	94.610	ng	# 96
90) Benzo(a)pyrene	15.42	252	686268	45.541	ng	98
91) Dibenzo(a,h)anthracene	17.17	278	58386	4.476	ng	93
92) Benzo(g,h,i)perylene	17.39	276	461047	35.990	ng	98

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

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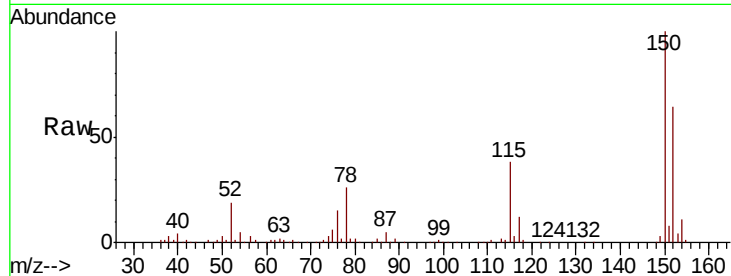


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	59.0	49.9	74.9

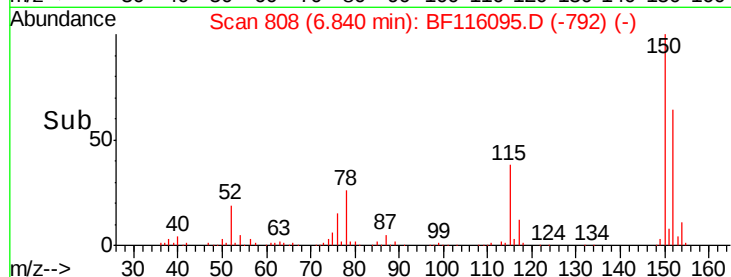
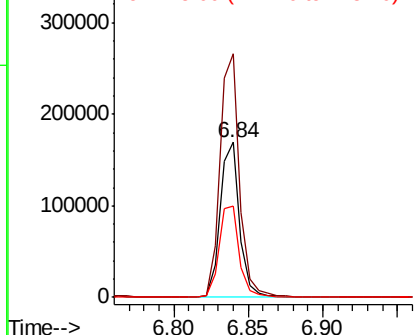


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

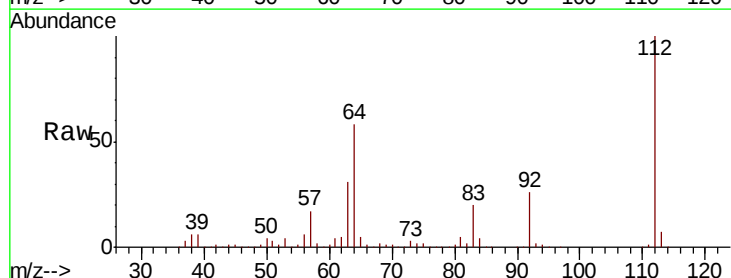
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.606 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	45.4	68.2
63	30.6	23.7	35.5

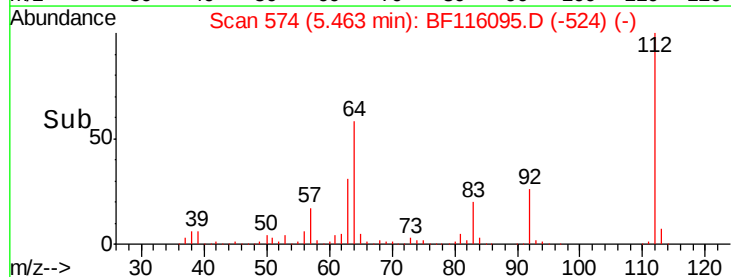
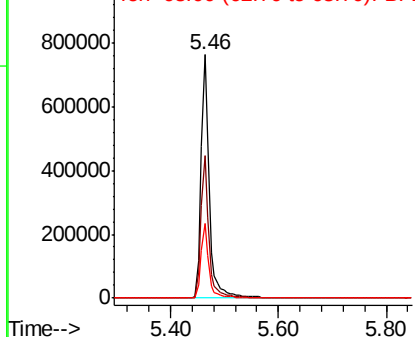


Abundance

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: 91.493 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

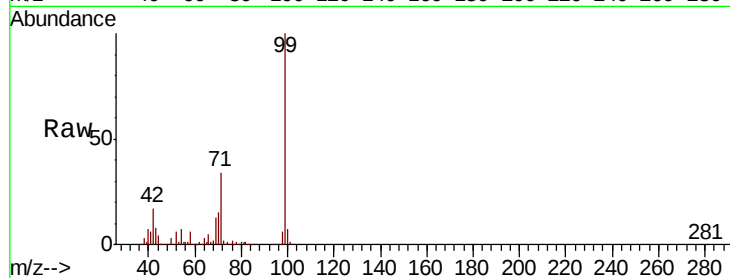
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1073137

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	33.9	27.3	40.9

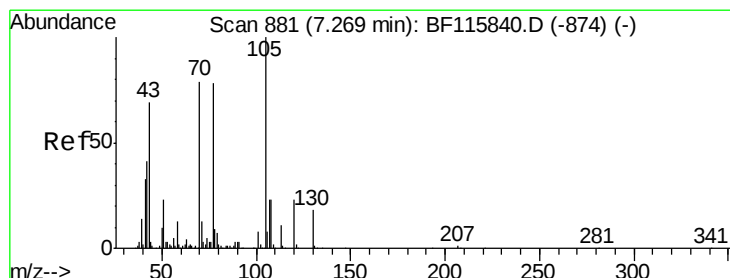
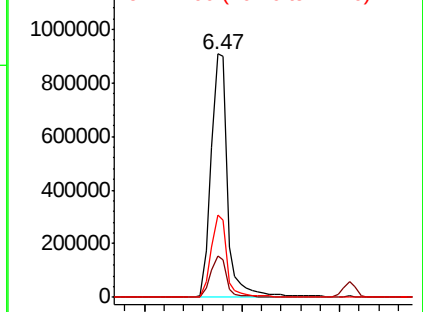
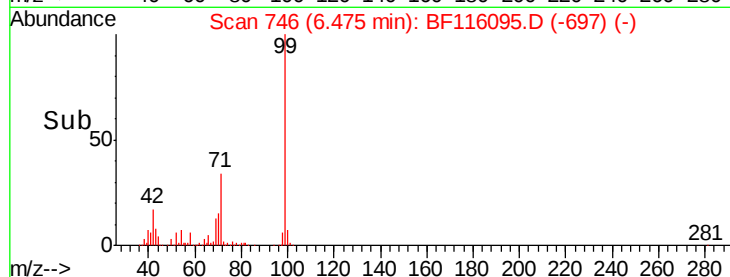


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.876 ng

RT: 7.40 min Scan# 903

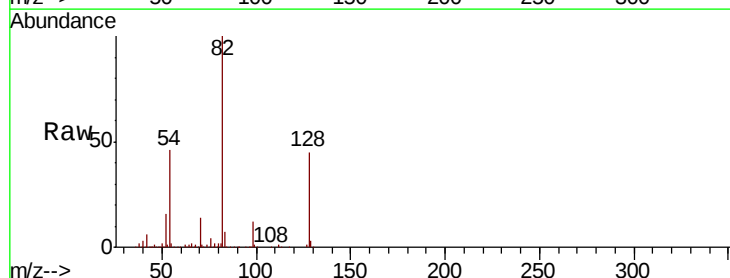
Delta R.T. 0.13 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Tgt Ion: 70 Resp: 93585

Ion	Ratio	Lower	Upper
70	100		
42	42.9	40.9	61.3
101	0.0	7.9	11.9#
130	2.1	16.9	25.3#



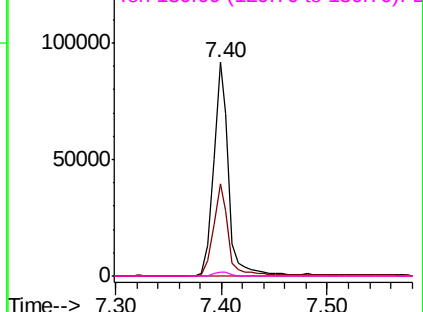
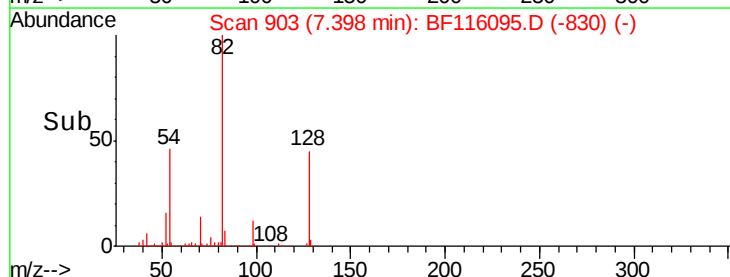
Abundance

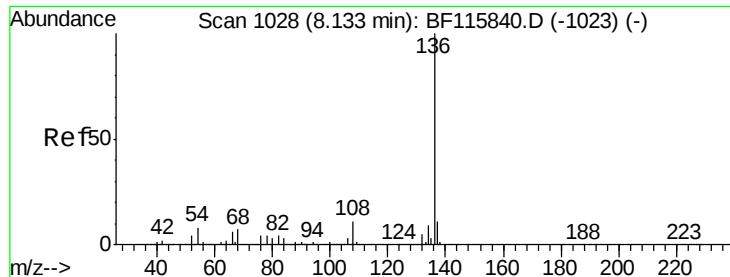
Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 625219

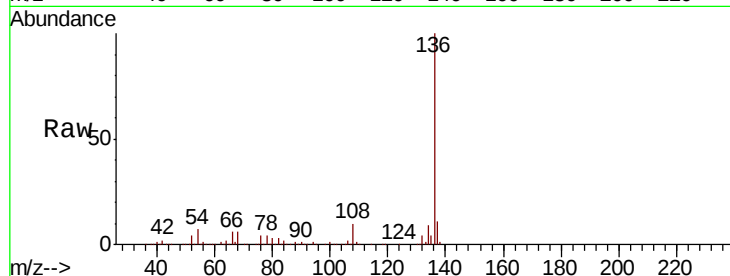
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.1 5.8 8.6

68 6.3 5.2 7.8

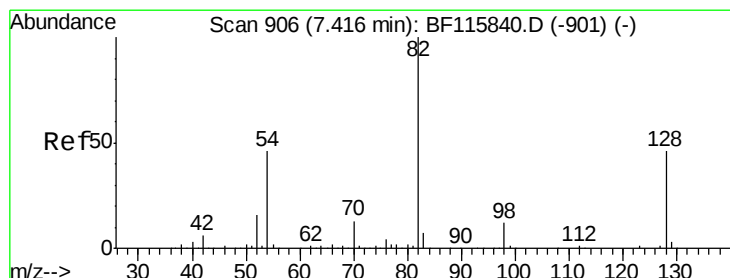
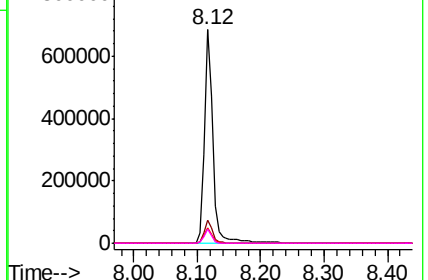
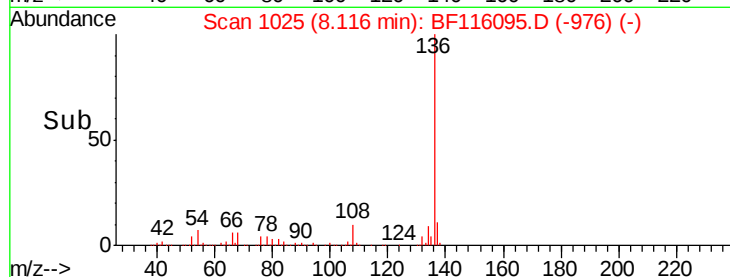


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.154 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

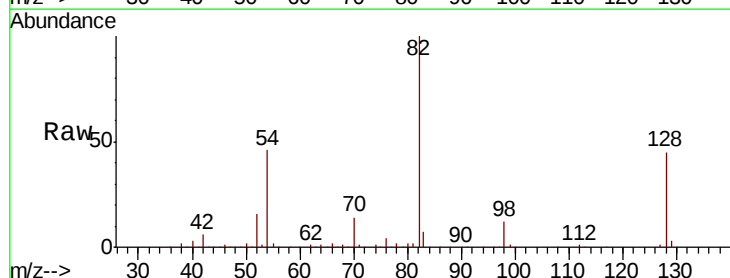
Tgt Ion: 82 Resp: 694870

Ion Ratio Lower Upper

82 100

128 44.9 36.5 54.7

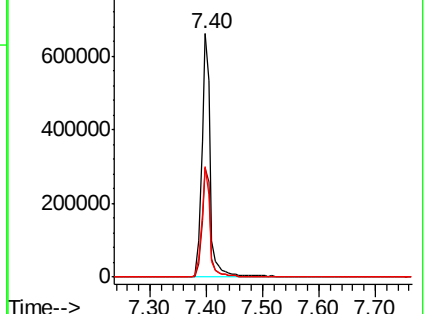
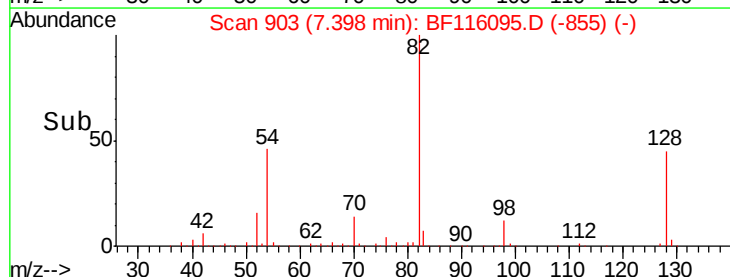
54 45.6 36.0 54.0



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: 33.550 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Instrument :

BNA_F

ClientSampleId :

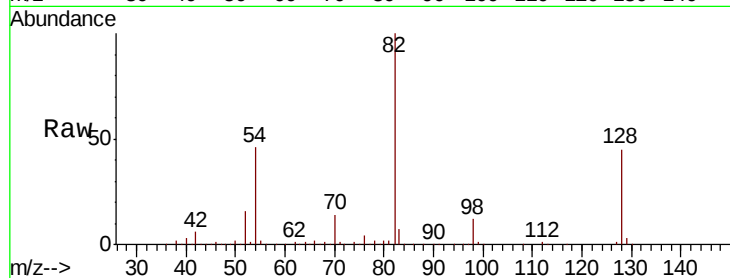
Tot Ion: 82 Resp: 694867

Ion Ratio Lower Upper

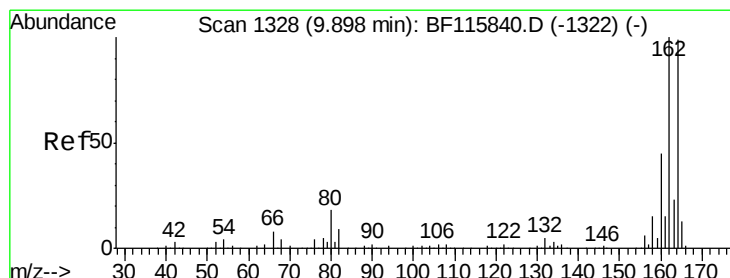
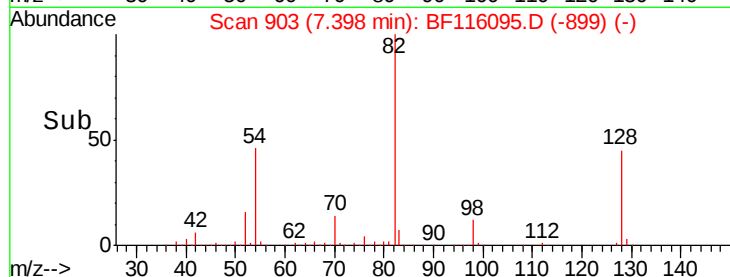
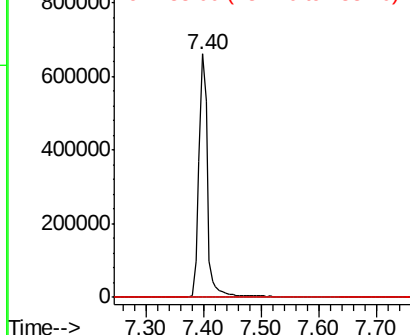
82 100

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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

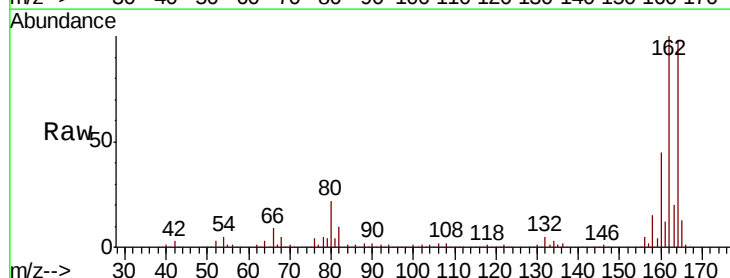
Tgt Ion:164 Resp: 310604

Ion Ratio Lower Upper

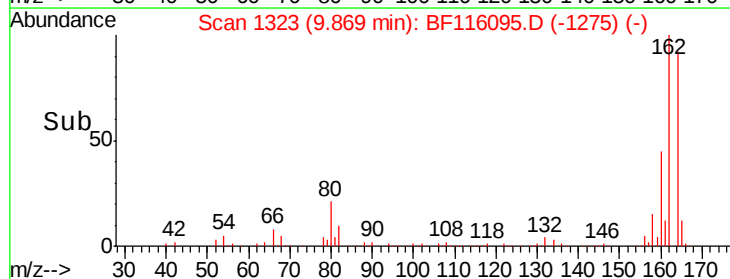
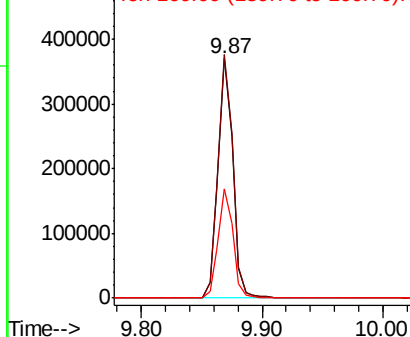
164 100

162 101.8 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

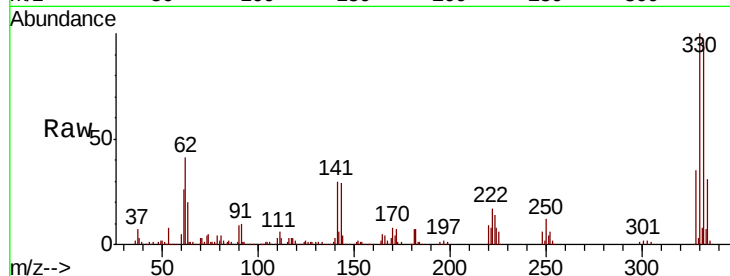




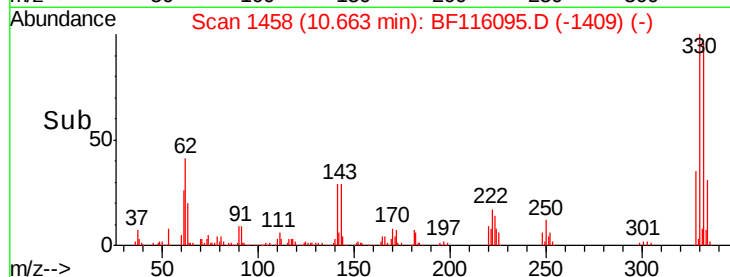
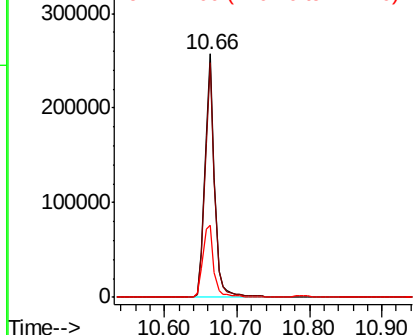
#42
 2,4,6-Tribromophenol
 Concen: 79.474 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	35.0	26.3	39.5

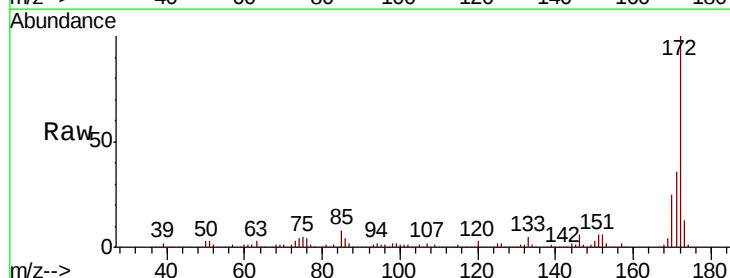


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

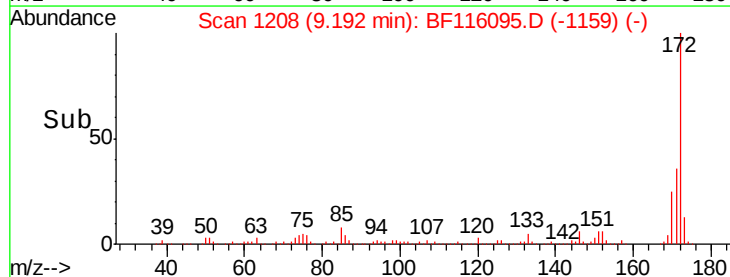
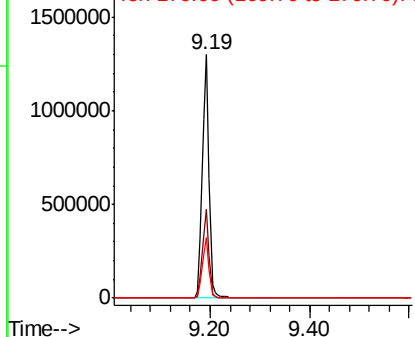


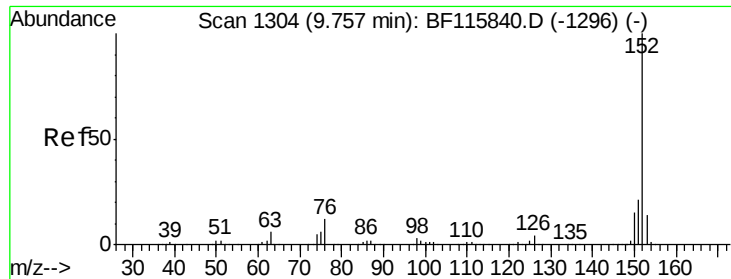
#45
 2-Fluorobiphenyl
 Concen: 73.372 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	25.1	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





#49

Acenaphthylene

Concen: 2.811 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Instrument :

BNA_F

ClientSampled :

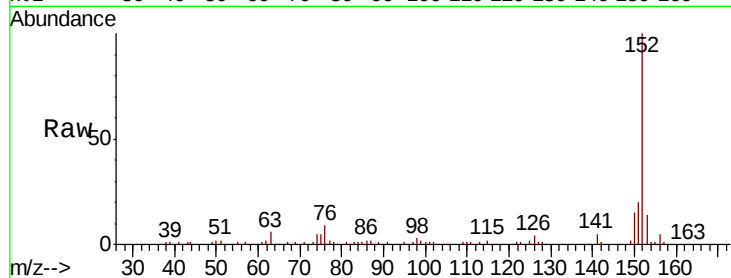
Tot Ion:152 Resp: 74851

Ion Ratio Lower Upper

152 100

151 19.7 17.2 25.8

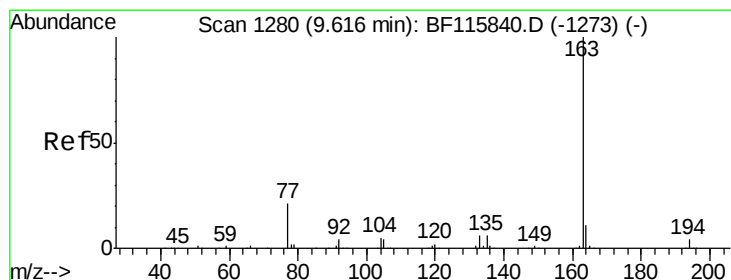
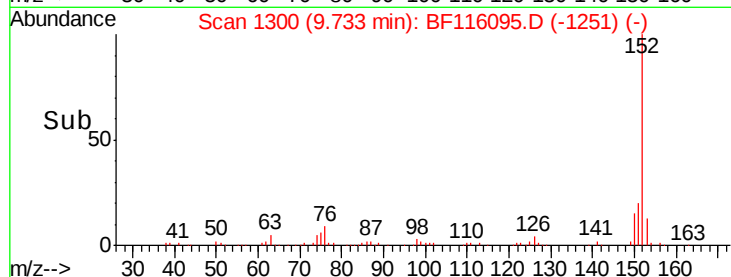
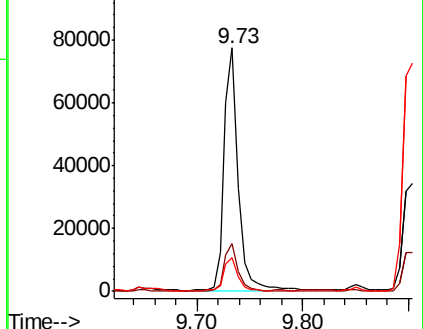
153 13.8 11.8 17.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 12.113 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

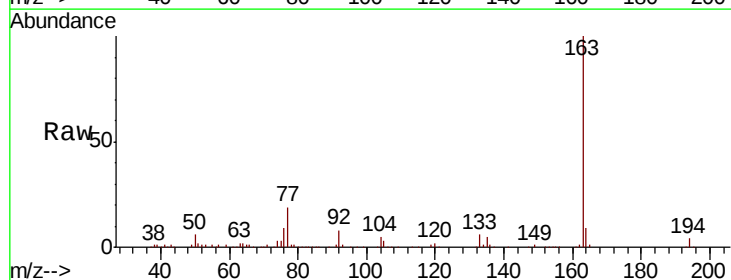
Tgt Ion:163 Resp: 256163

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

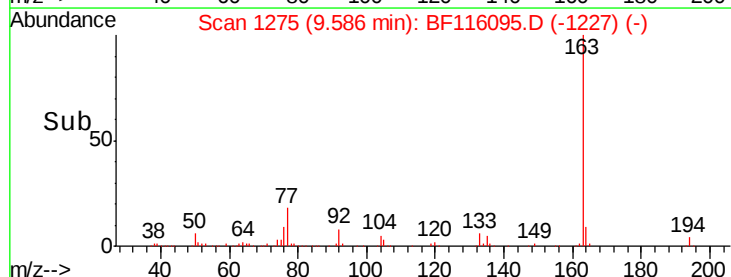
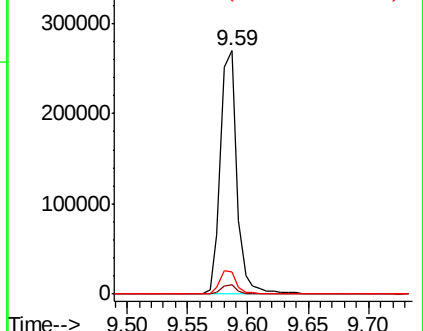
164 9.4 8.4 12.6

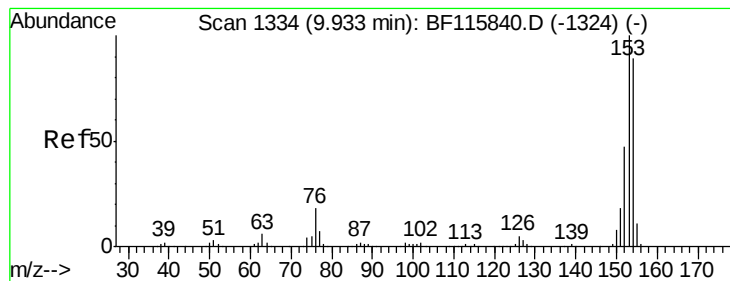


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 3.618 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Instrument :

BNA_F

ClientSampled :

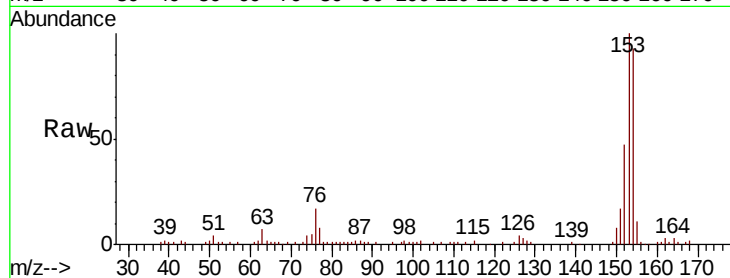
Tot Ion:154 Resp: 59097

Ion Ratio Lower Upper

154 100

153 107.5 89.4 134.0

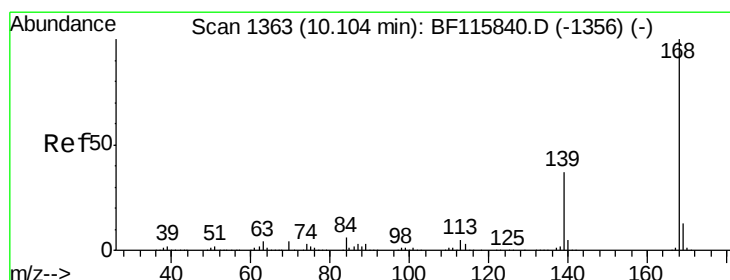
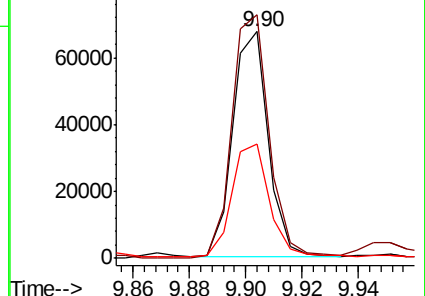
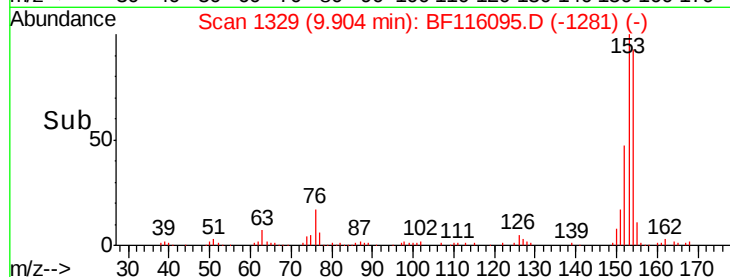
152 50.6 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.263 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

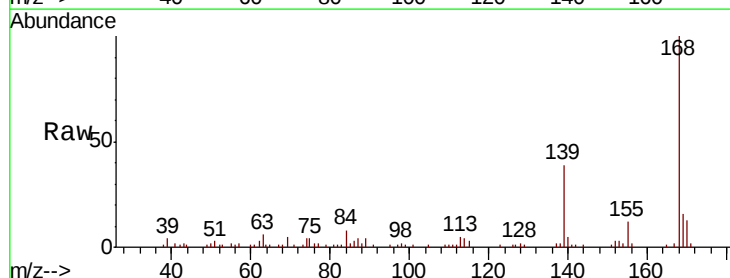
Tgt Ion:168 Resp: 53760

Ion Ratio Lower Upper

168 100

139 39.0 31.4 47.2

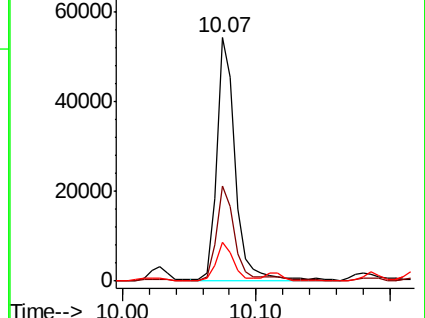
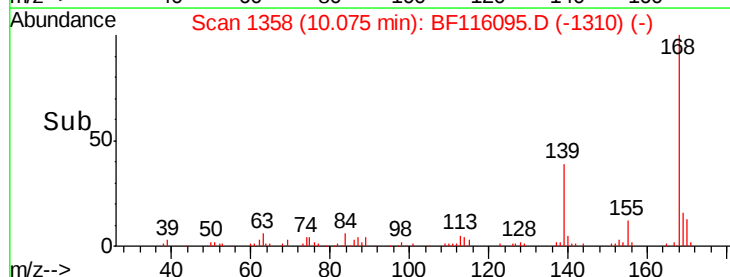
169 16.1 10.9 16.3

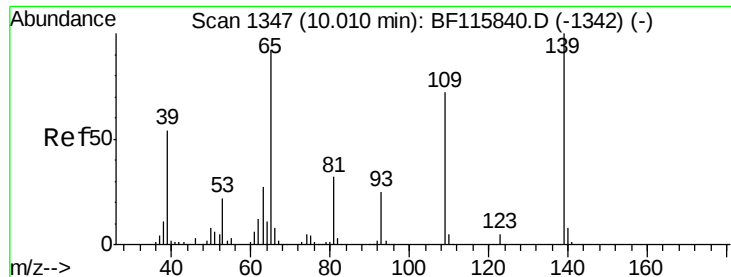


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

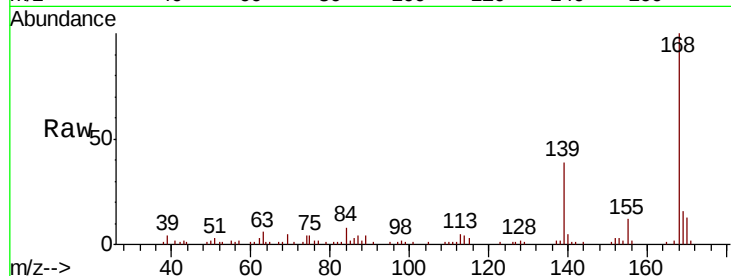




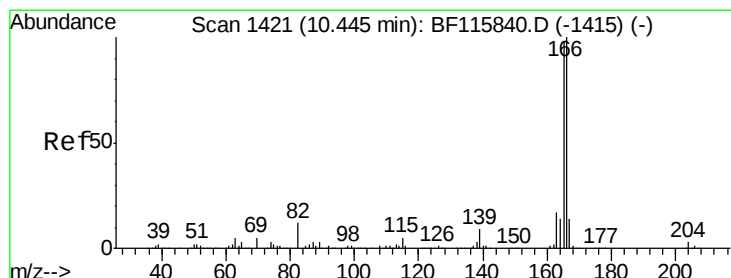
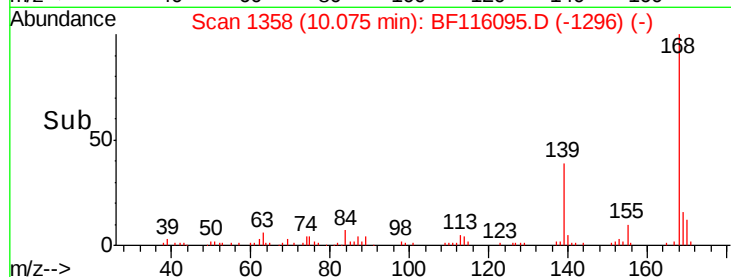
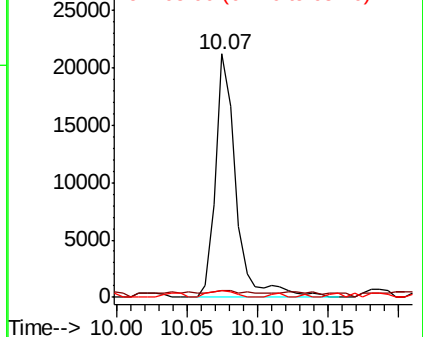
#56
4-Nitrophenol
Concen: 5.907 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.06 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 21489
Ion Ratio Lower Upper
139 100
109 2.7 54.4 94.4#
65 2.8 80.6 120.6#

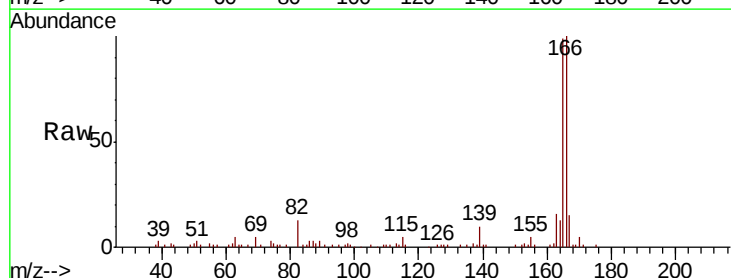


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

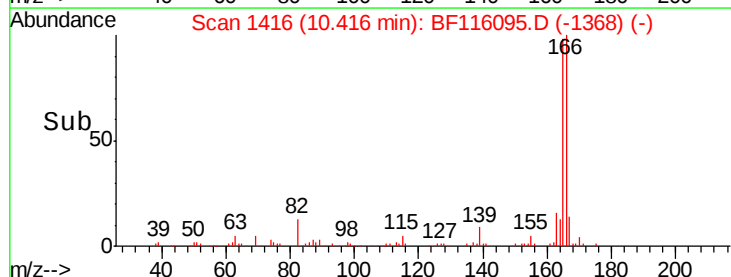
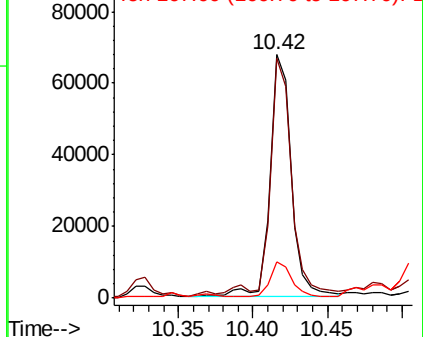


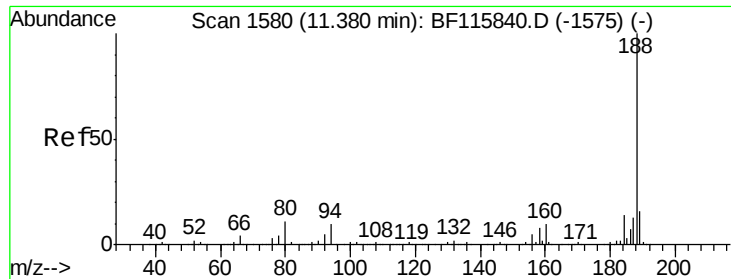
#58
Fluorene
Concen: 3.676 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Tgt Ion:166 Resp: 67178
Ion Ratio Lower Upper
166 100
165 98.6 78.4 117.6
167 14.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

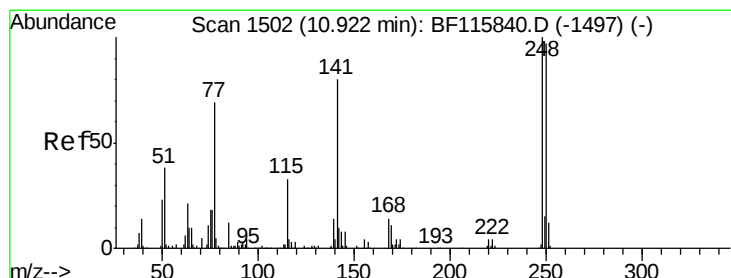
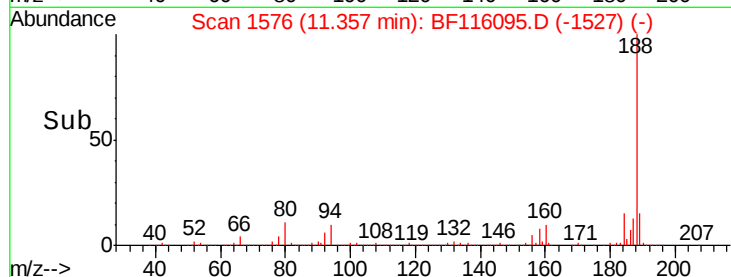
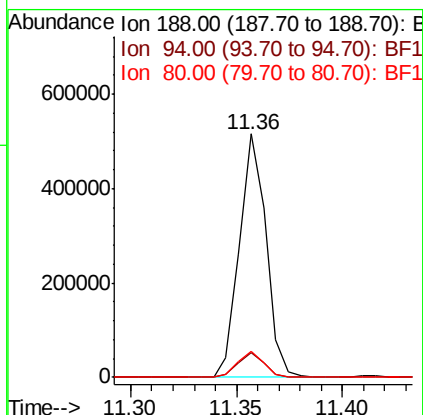
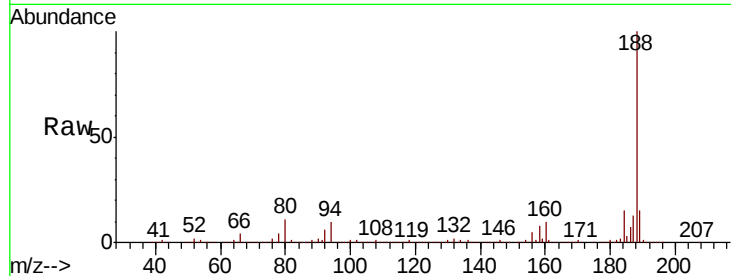




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

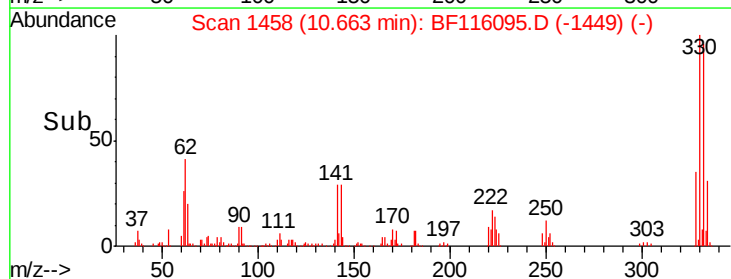
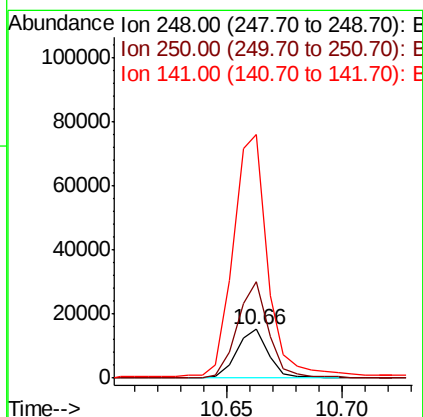
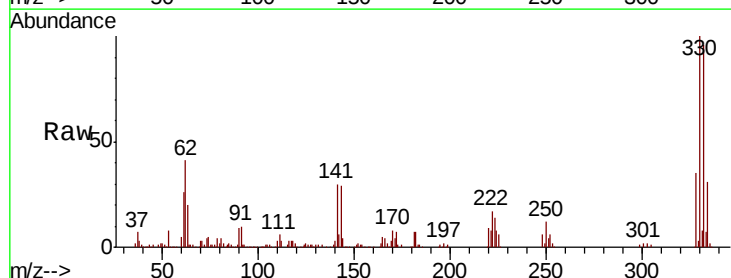
Instrument :
 BNA_F
 ClientSampleId :

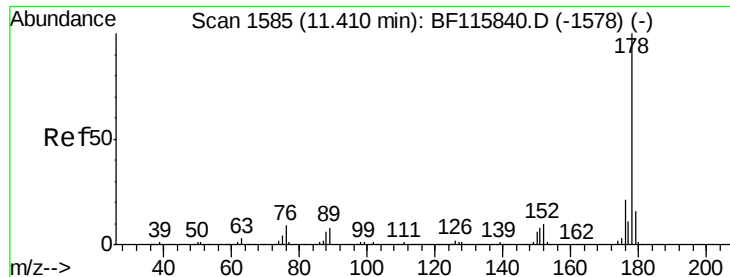
Tot Ion:188 Resp: 451267
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.1 12.1
 80 10.7 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.021 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Tgt Ion:248 Resp: 14593
 Ion Ratio Lower Upper
 248 100
 250 198.1 77.4 116.2#
 141 501.7 56.8 85.2#





#71

Phenanthrene

Concen: 43.396 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Instrument :

BNA_F

ClientSampled :

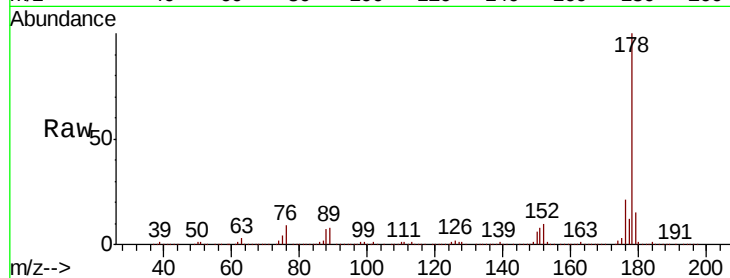
Tot Ion:178 Resp: 1001133

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.6	24.8
179	15.5	12.5	18.7

178 100

176 20.5 16.6 24.8

179 15.5 12.5 18.7

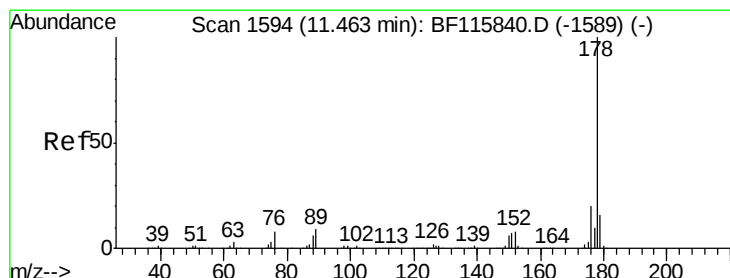
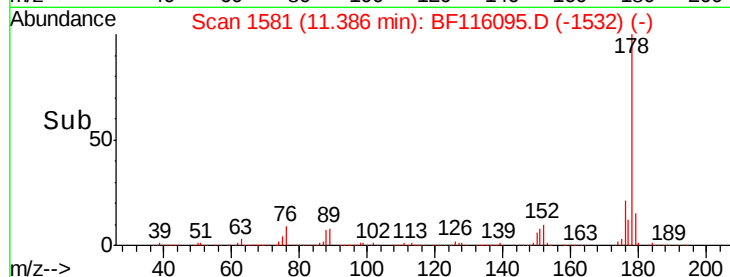
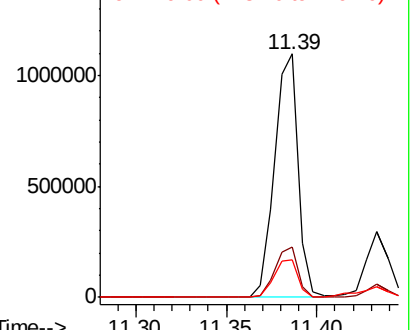


Abundance

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: 10.589 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

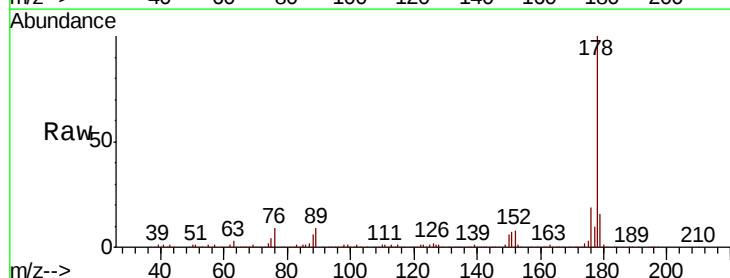
Tgt Ion:178 Resp: 247238

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.7	13.0	19.6

178 100

176 19.3 15.7 23.5

179 15.7 13.0 19.6

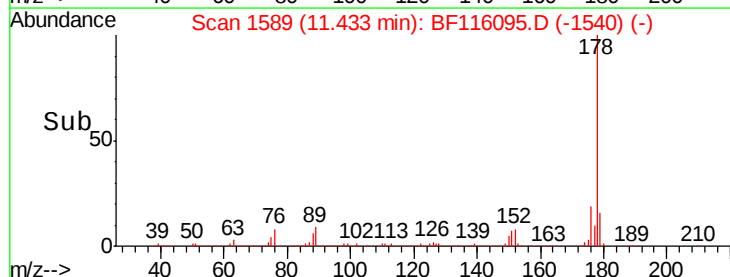
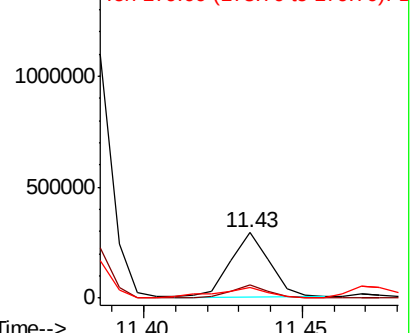


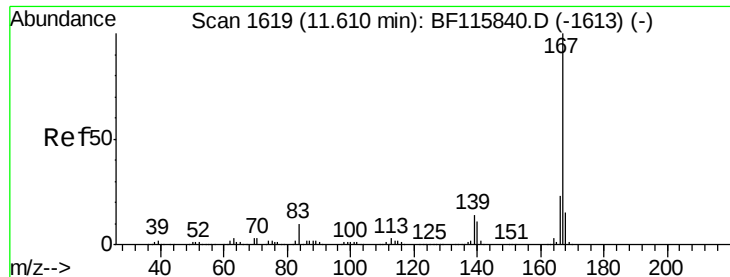
Abundance

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

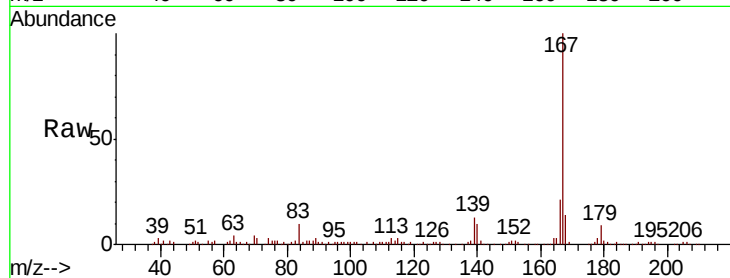




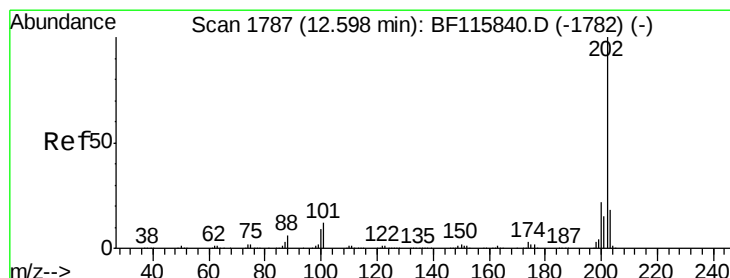
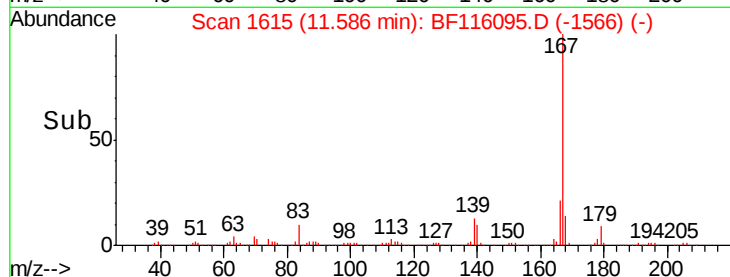
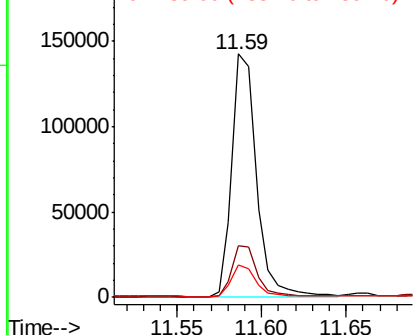
#73
 Carbazole
 Concen: 6.776 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 143537
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.8 26.6
 139 13.5 11.4 17.0

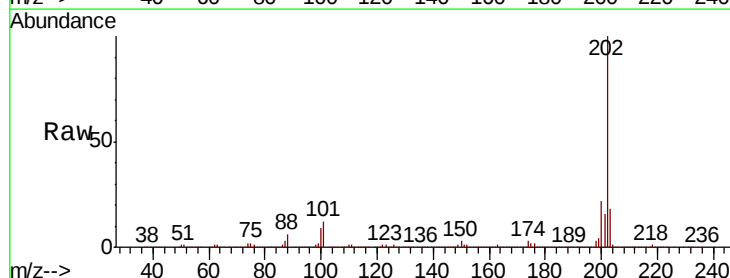


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

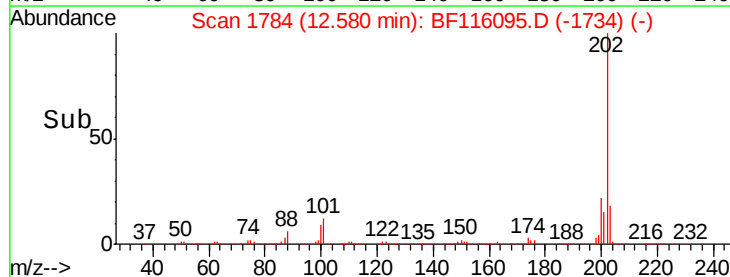
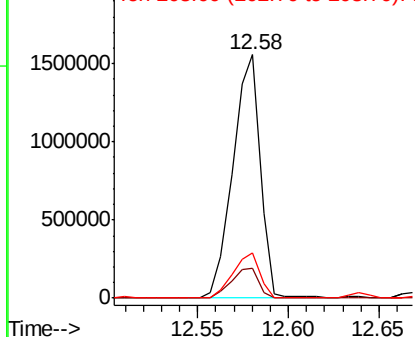


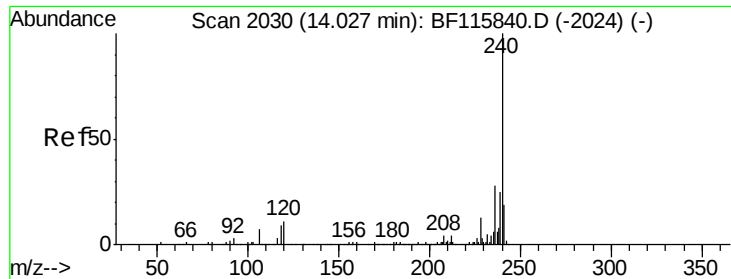
#75
 Fluoranthene
 Concen: 67.509 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Tgt Ion:202 Resp: 1630468
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.2
 203 18.5 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

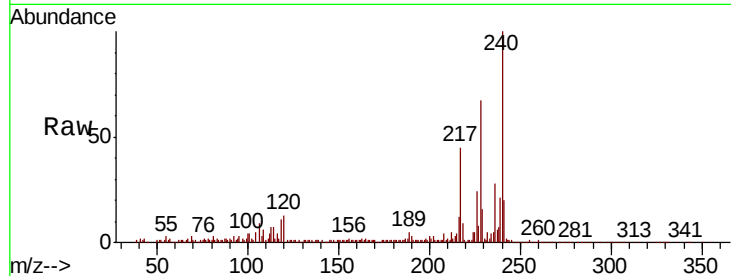




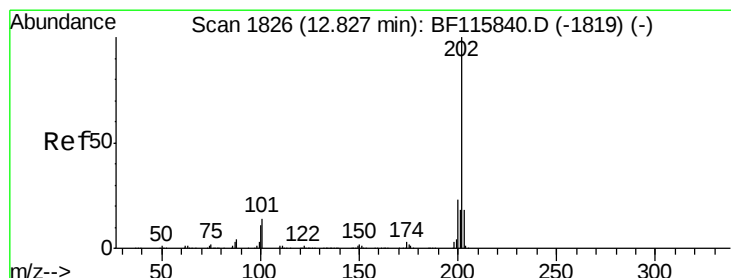
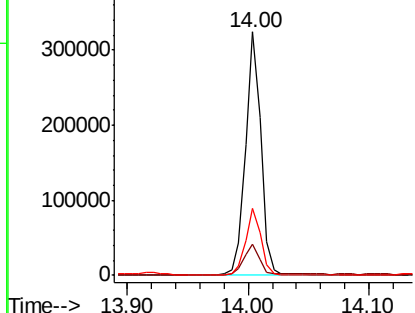
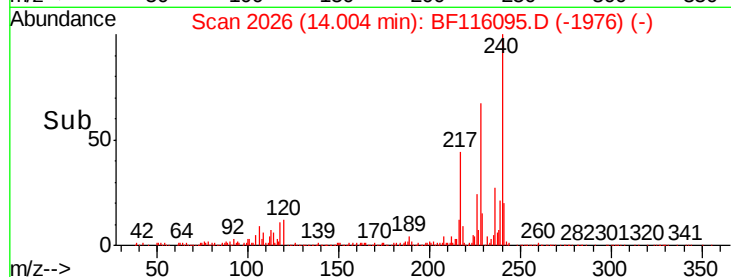
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 288961
Ion Ratio Lower Upper
240 100
120 12.5 10.7 16.1
236 27.8 22.2 33.2

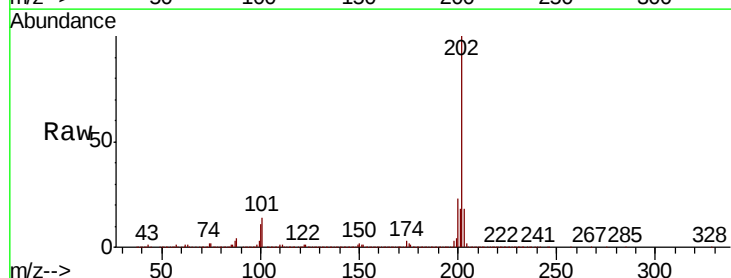


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

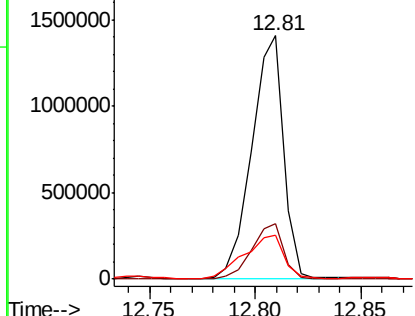
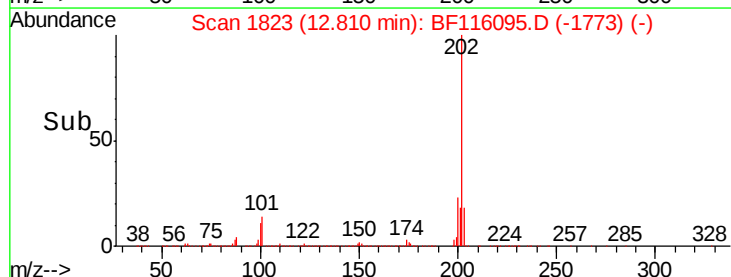


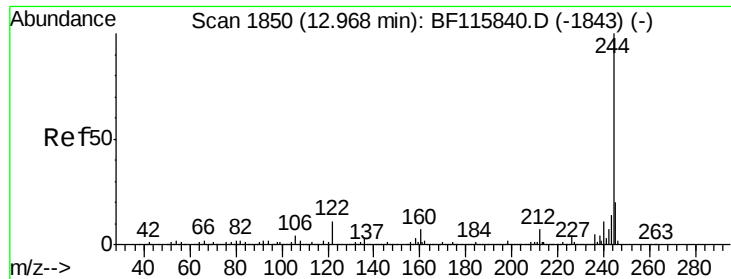
#78
Pyrene
Concen: 67.858 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Tgt Ion:202 Resp: 1478101
Ion Ratio Lower Upper
202 100
200 22.6 18.0 27.0
203 18.2 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

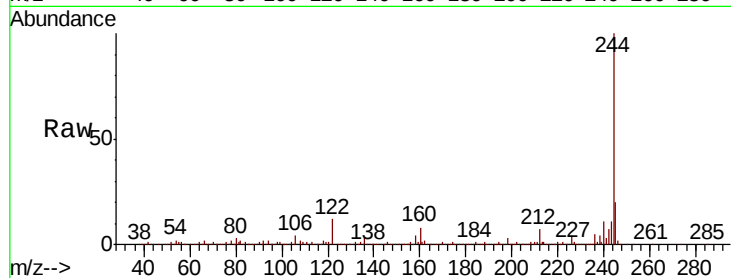




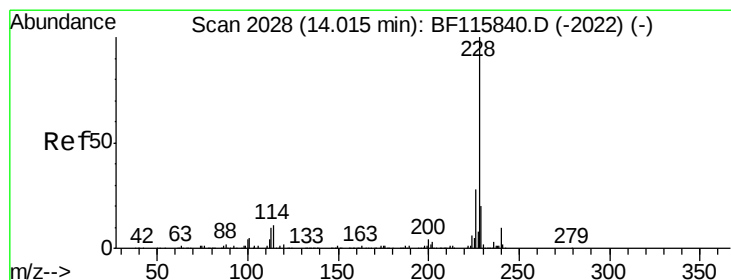
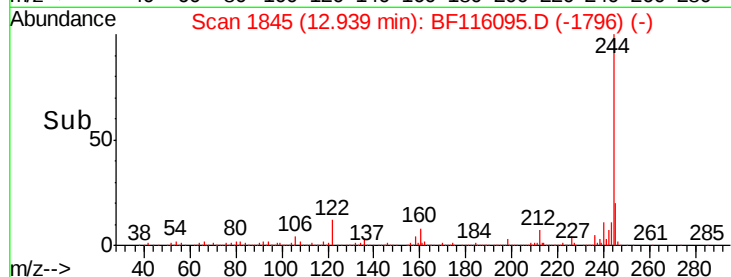
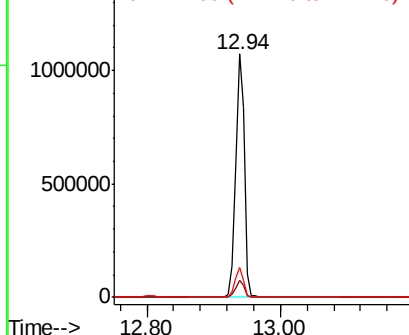
#79
 Terphenyl-d14
 Concen: 71.945 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 986601
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 12.2 9.0 13.4

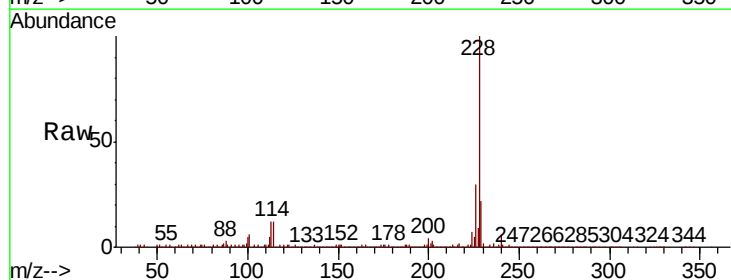


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

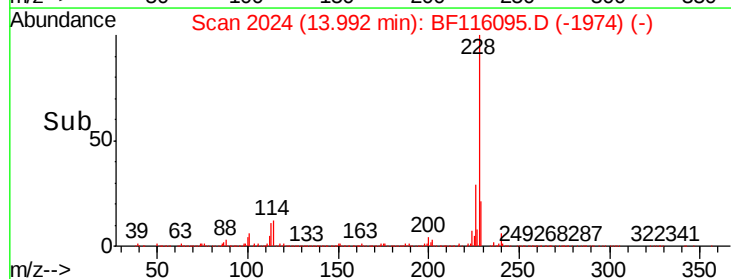
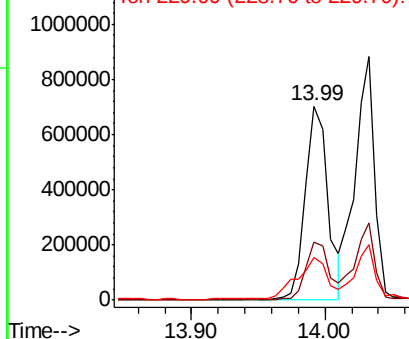


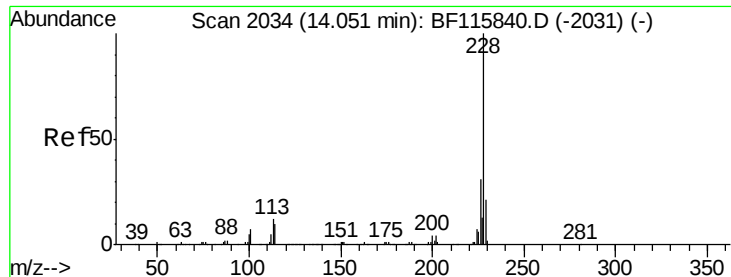
#81
 Benzo(a)anthracene
 Concen: 44.332 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Tgt Ion:228 Resp: 818789
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.7 34.1
 229 21.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 50.485 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

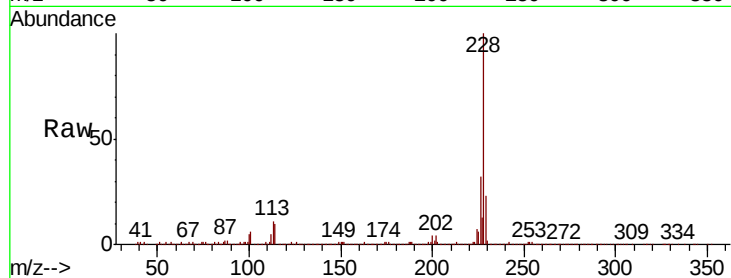
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 905234

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.5	38.3
229	22.8	16.6	24.8

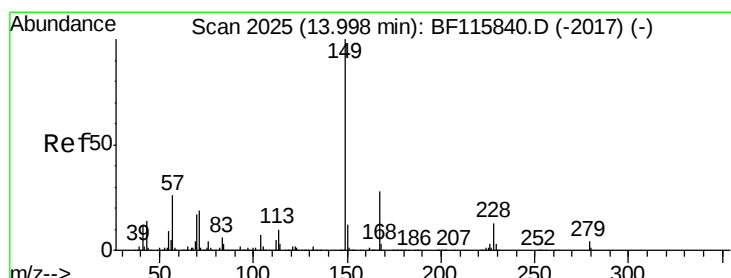
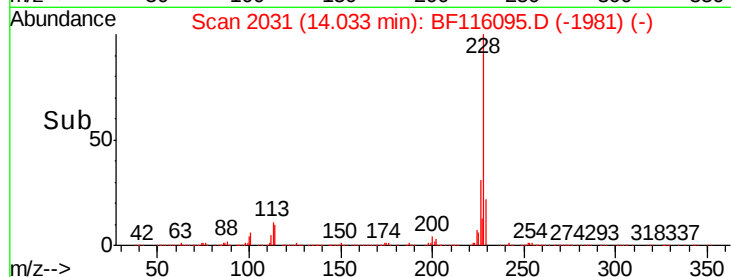
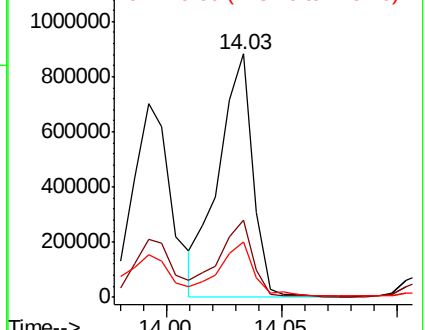


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 23.015 ng

RT: 13.97 min Scan# 2020

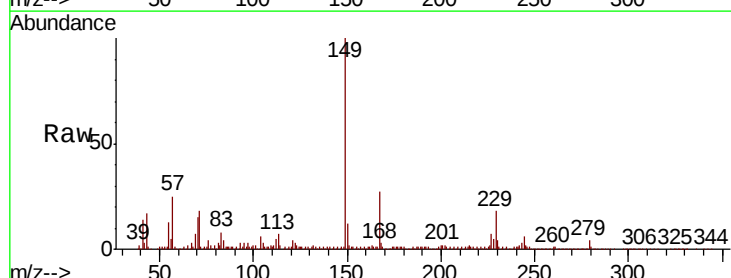
Delta R.T. -0.01 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Tgt Ion:149 Resp: 275575

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.6	32.4
279	3.6	3.0	4.4

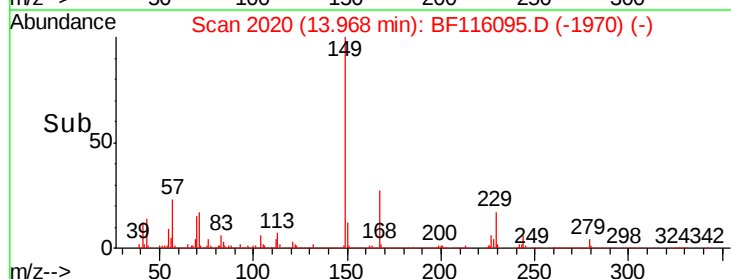
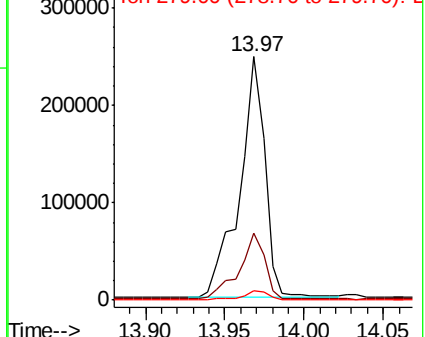


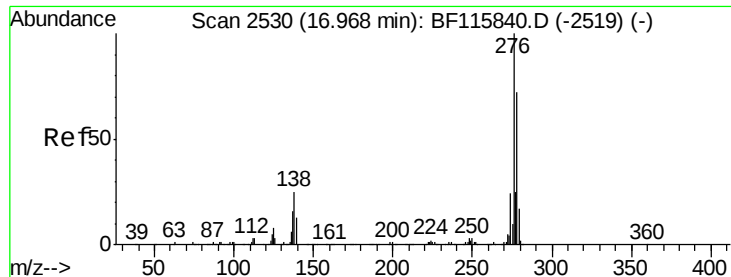
Abundance

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

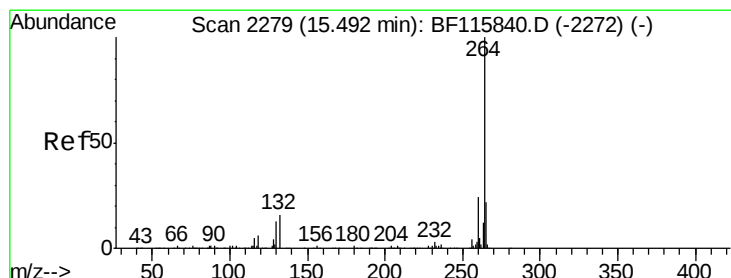
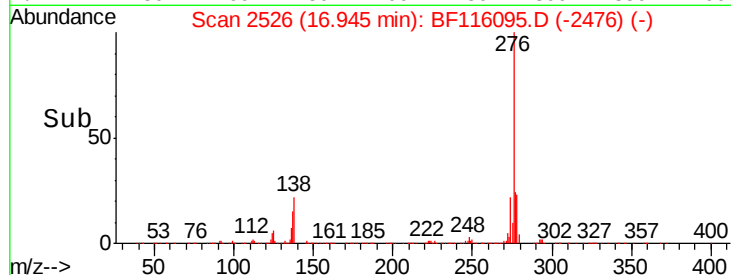
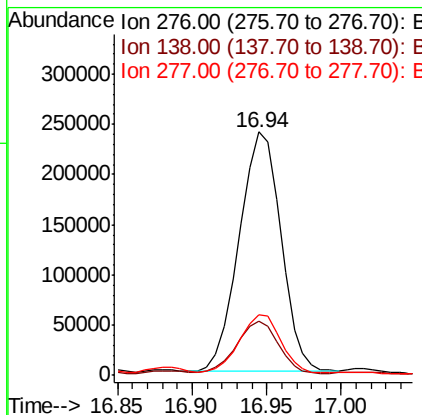
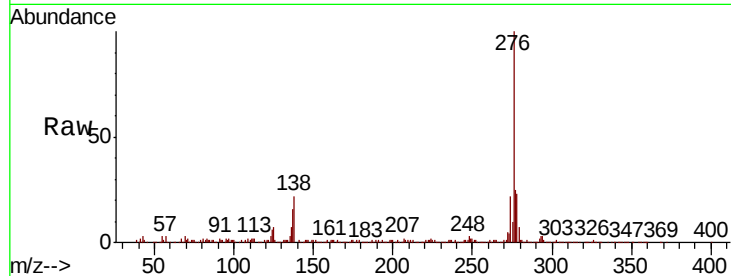




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 30.847 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

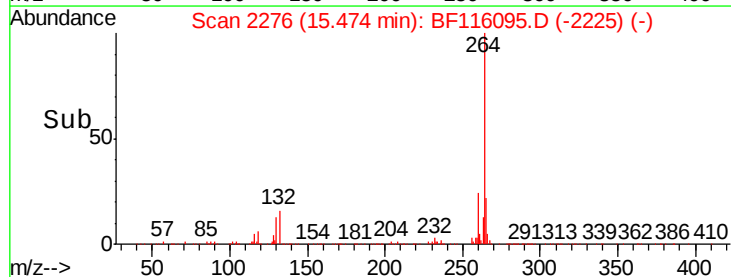
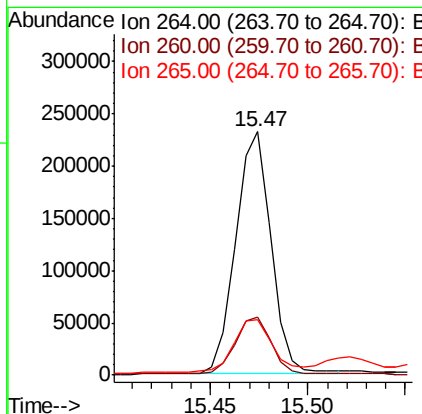
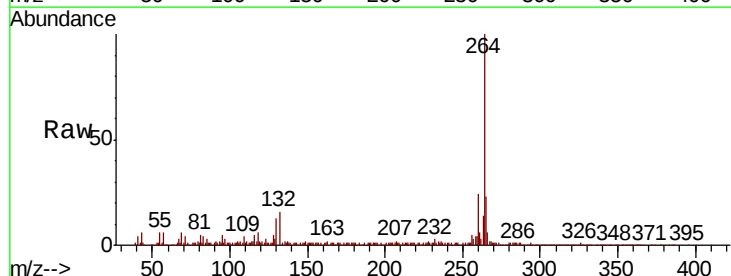
Instrument :
 BNA_F
 ClientSampleId :

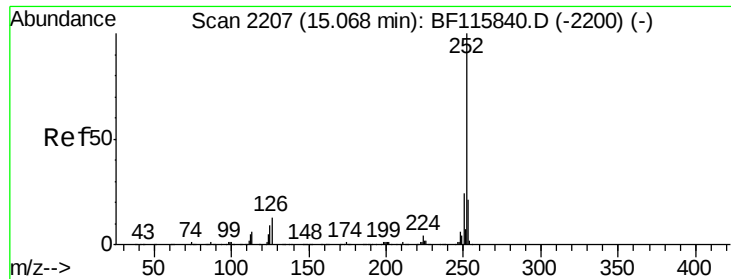
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.4	30.6
277	23.9	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	22.8	17.4	26.0

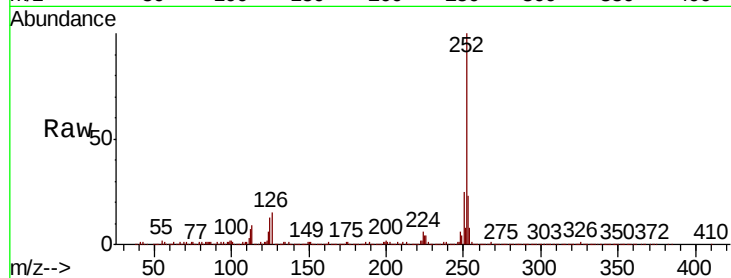




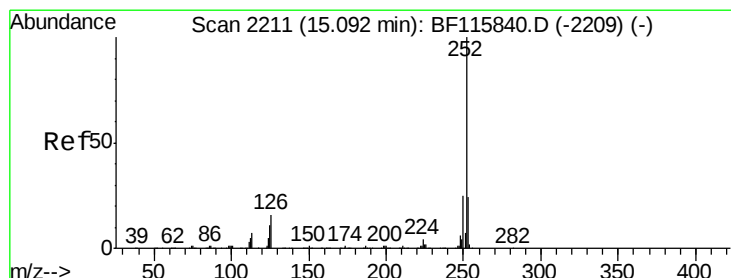
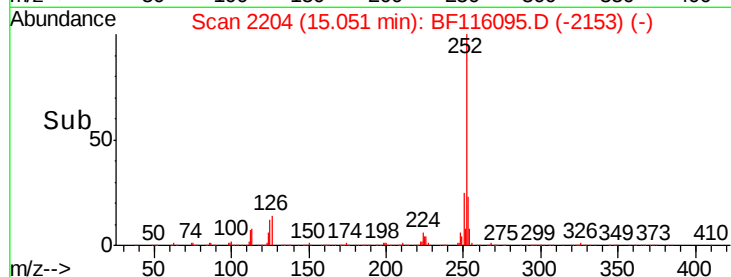
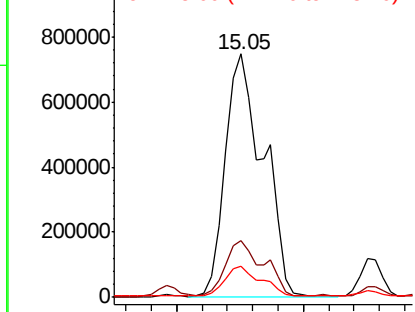
#88
Benzo(b)fluoranthene
Concen: 92.151 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1553413
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 12.5 8.4 12.6

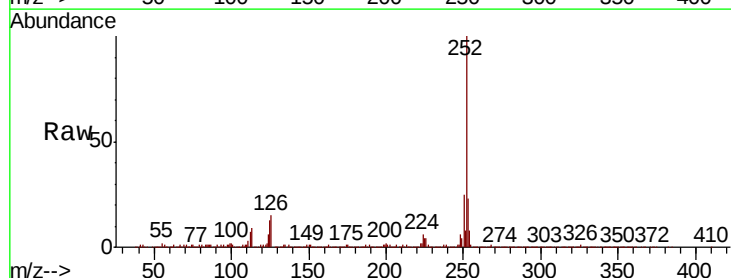


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

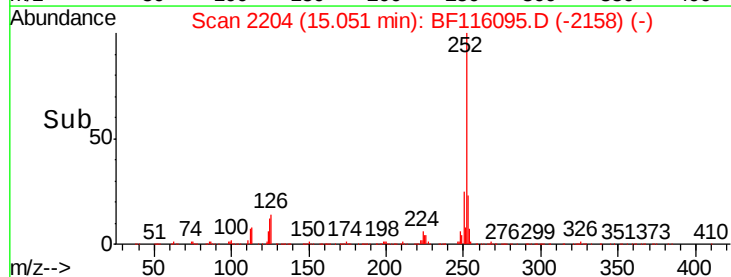
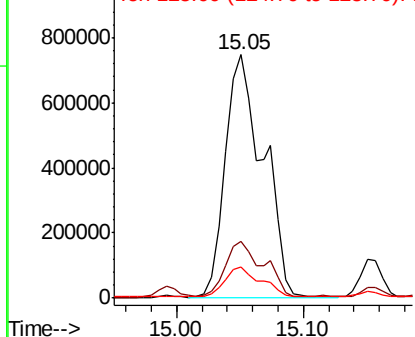


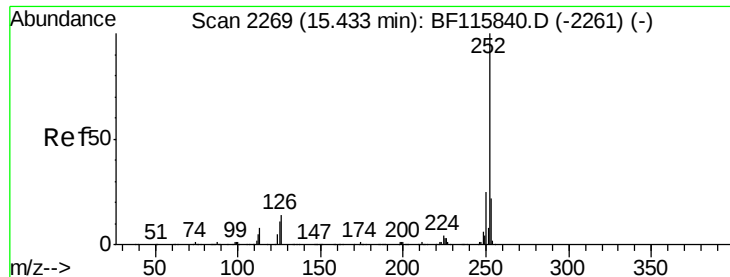
#89
Benzo(k)fluoranthene
Concen: 94.610 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116095.D
Acq: 9 Aug 2019 3:51

Tgt Ion:252 Resp: 1553413
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 12.5 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





#90

Benzo(a)pyrene

Concen: 45.541 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

Instrument :

BNA_F

ClientSampleId :

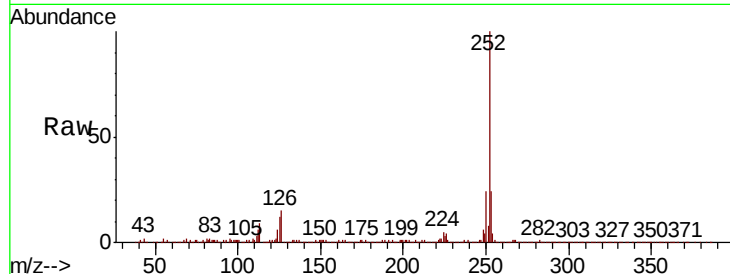
Tot Ion:252 Resp: 686268

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

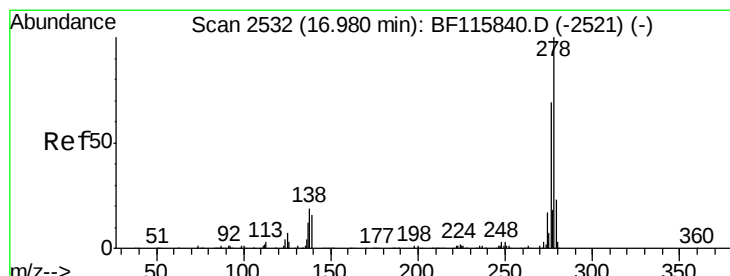
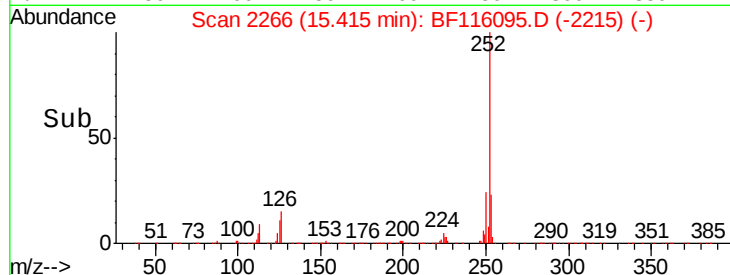
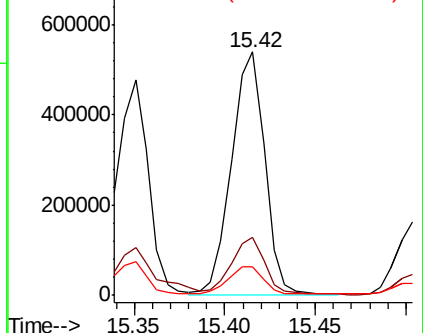
125 11.9 8.9 13.3



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



#91

Dibenzo(a,h)anthracene

Concen: 4.476 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.22 min

Lab File: BF116095.D

Acq: 9 Aug 2019 3:51

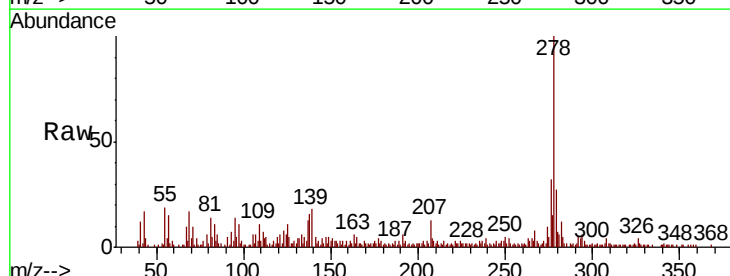
Tgt Ion:278 Resp: 58386

Ion Ratio Lower Upper

278 100

139 18.2 12.8 19.2

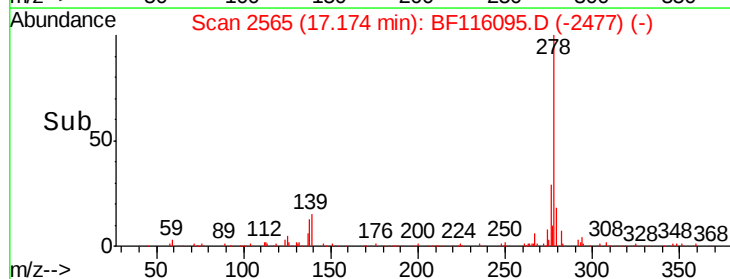
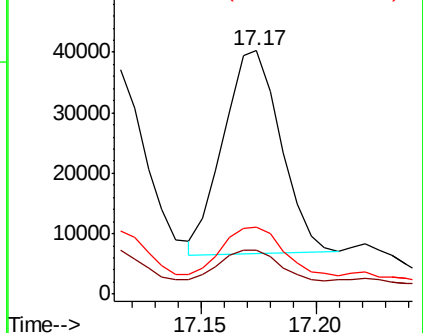
279 27.3 18.8 28.2

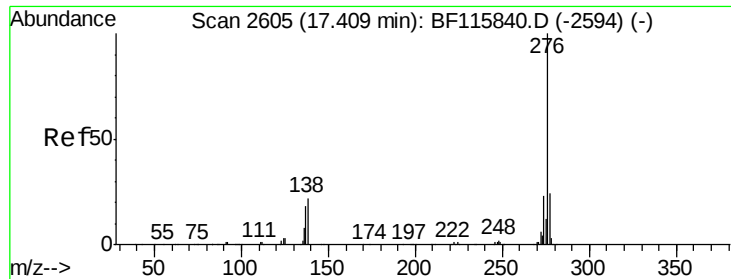


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 35.990 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BF116095.D
 Acq: 9 Aug 2019 3:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.4	27.6
138	22.3	17.0	25.6

