

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116038.D
 Acq On : 7 Aug 2019 4:32
 Operator : HP/JU
 Sample : K4095-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 06:07:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	91685	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	362455	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	174657	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	266073	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	235278	20.00	ng	-0.02
87) Perylene-d12	15.47	264	250686	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	135106	24.67	ng	0.00
7) Phenol-d6	6.47	99	190409	27.56	ng	-0.01
23) Nitrobenzene-d5	7.40	82	112874	17.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	34593	20.43	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	217724	23.35	ng	-0.02
79) Terphenyl-d14	12.94	244	195186	17.48	ng	-0.03

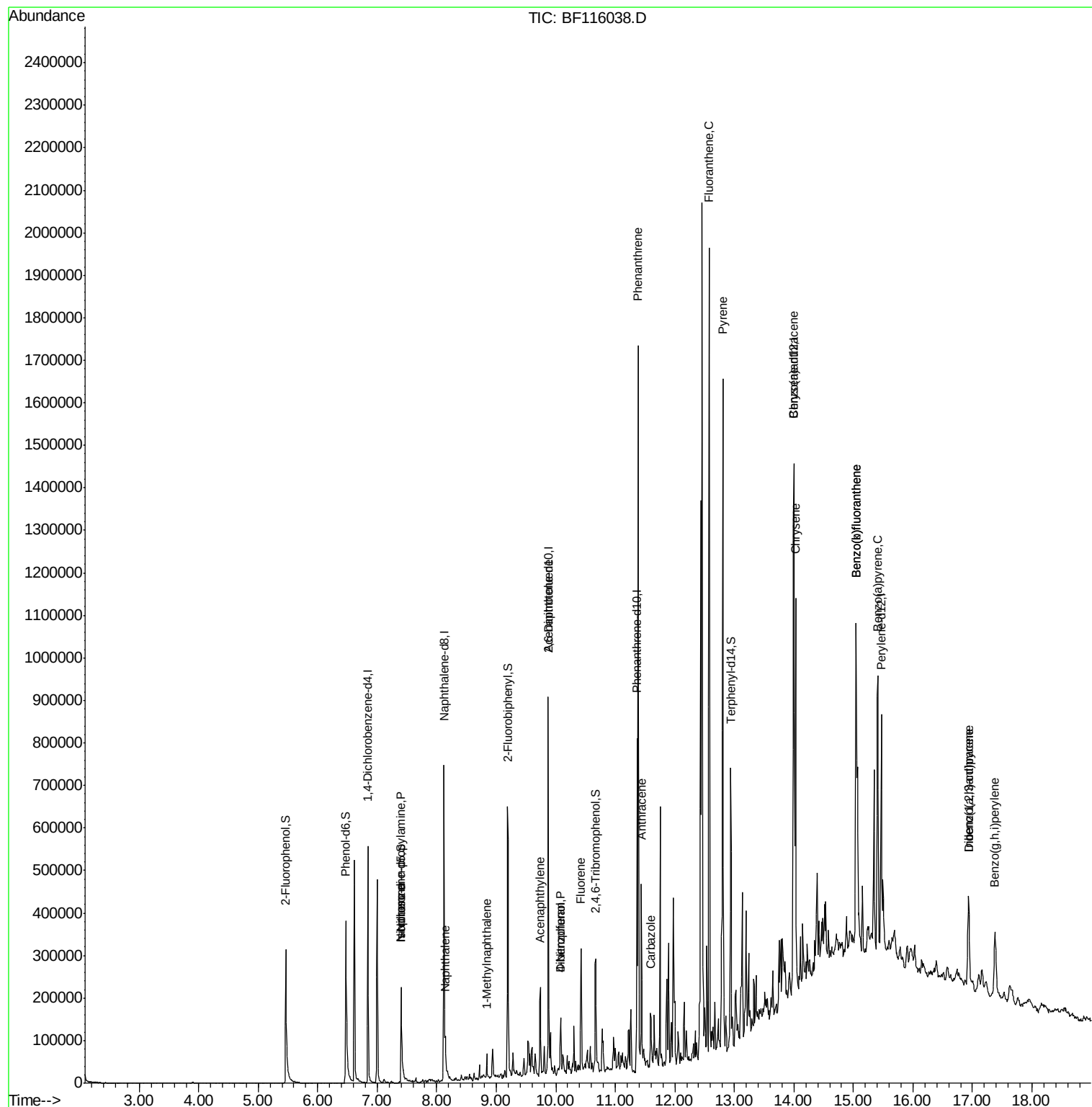
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	14709	3.435	ng	# 80
25) Isophorone	7.40	82	112884	9.402	ng	# 66
31) Naphthalene	8.15	128	35211	2.064	ng	100
38) 1-Methylnaphthalene	8.84	142	21543	2.027	ng	91
49) Acenaphthylene	9.74	152	86569	5.782	ng	99
51) 2,6-Dinitrotoluene	9.87	165	23698	9.170	ng	# 28
55) Dibenzofuran	10.08	168	52002	3.893	ng	96
56) 4-Nitrophenol	10.08	139	20111	9.831	ng	# 11
58) Fluorene	10.42	166	99054	9.638	ng	99
71) Phenanthrene	11.39	178	589928	43.370	ng	99
72) Anthracene	11.44	178	180066	13.080	ng	99
73) Carbazole	11.59	167	55478	4.442	ng	99
75) Fluoranthene	12.57	202	756707	53.139	ng	99
78) Pyrene	12.80	202	674274	38.018	ng	99
81) Benzo(a)anthracene	13.99	228	397672	26.444	ng	98
83) Chrysene	14.03	228	330912	22.666	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	140469	11.455	ng	95
88) Benzo(b)fluoranthene	15.04	252	566359	39.073	ng	# 96
89) Benzo(k)fluoranthene	15.04	252	566359	40.115	ng	99
90) Benzo(a)pyrene	15.41	252	295673	22.819	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	38340	3.418	ng	# 87
92) Benzo(g,h,i)perylene	17.38	276	124913	11.340	ng	99

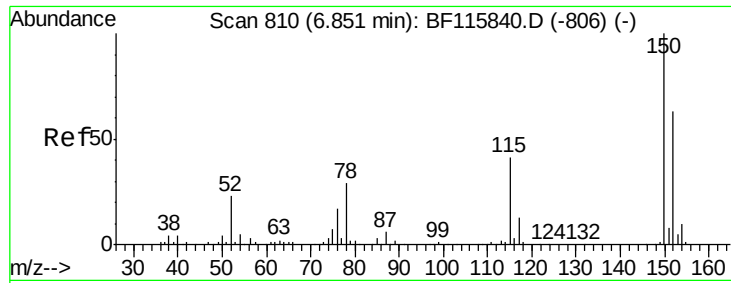
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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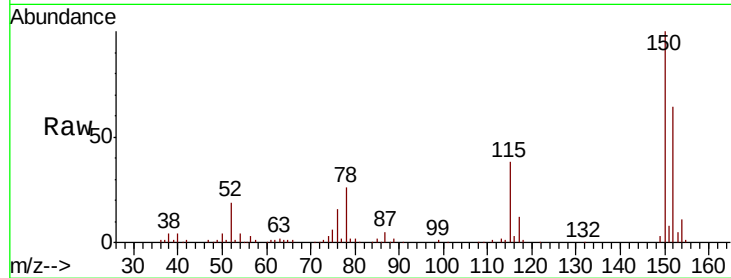




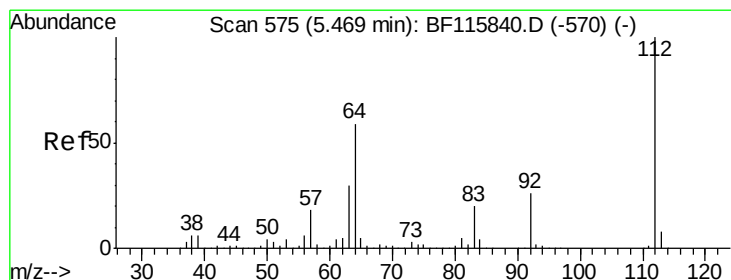
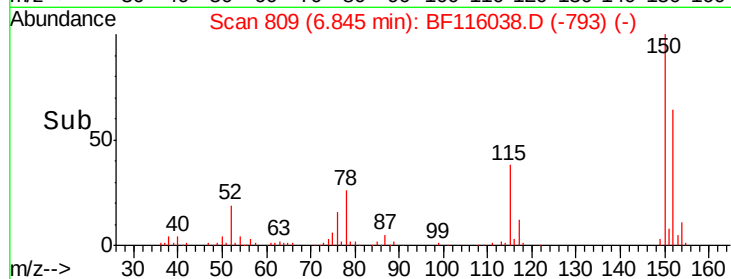
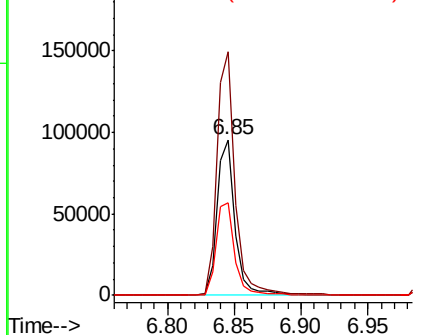
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 91685
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.4 191.0
 115 59.4 51.8 77.8

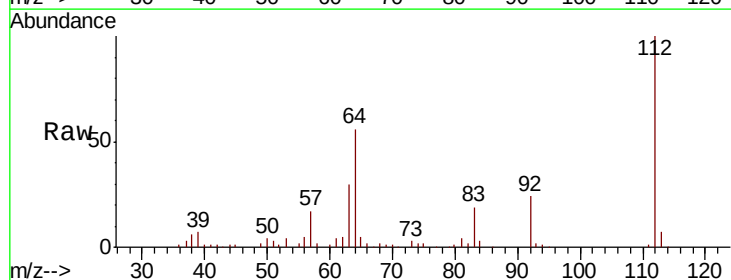


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

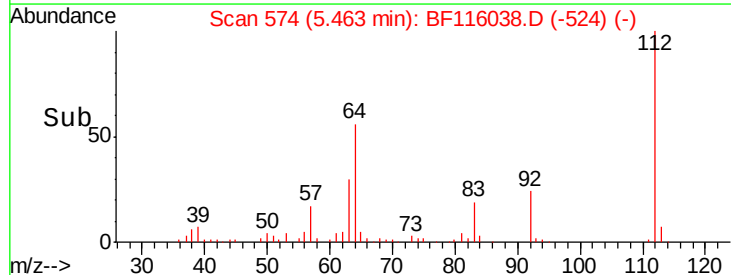
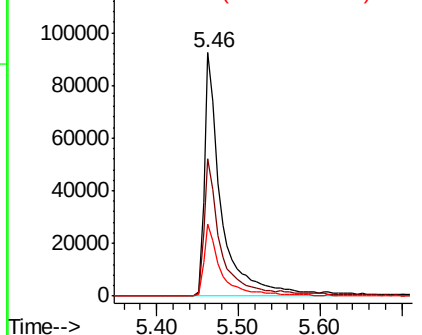


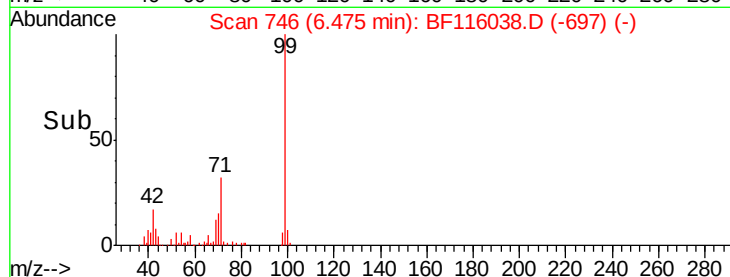
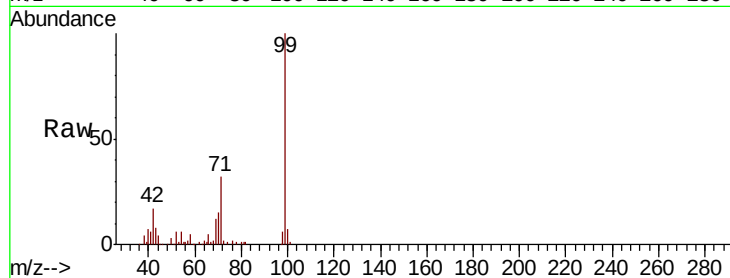
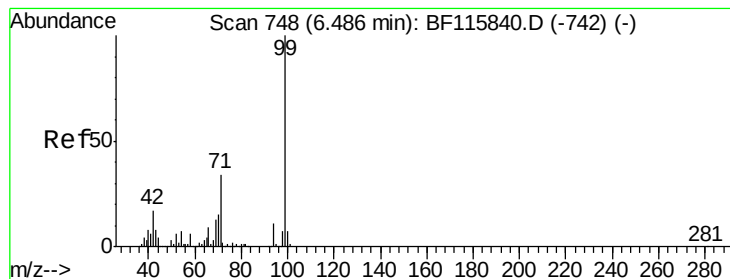
#5
 2-Fluorophenol
 Concen: 24.669 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion:112 Resp: 135106
 Ion Ratio Lower Upper
 112 100
 64 56.2 46.8 70.2
 63 29.8 24.2 36.2



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: 27.556 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampleId :

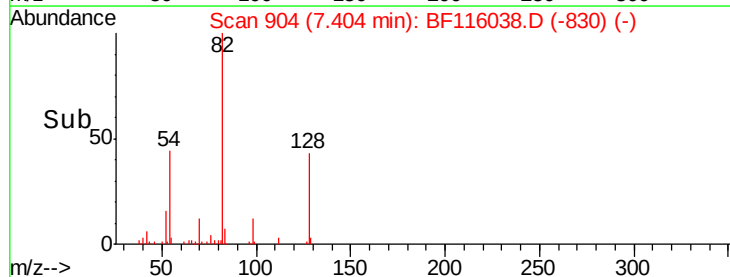
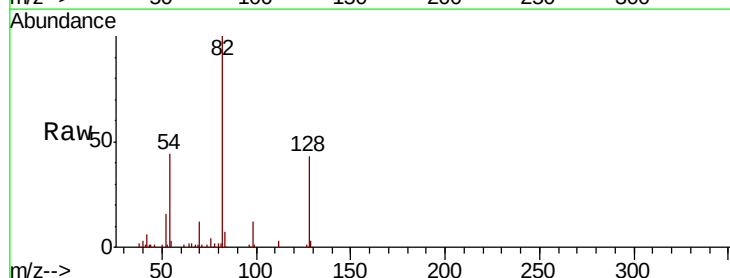
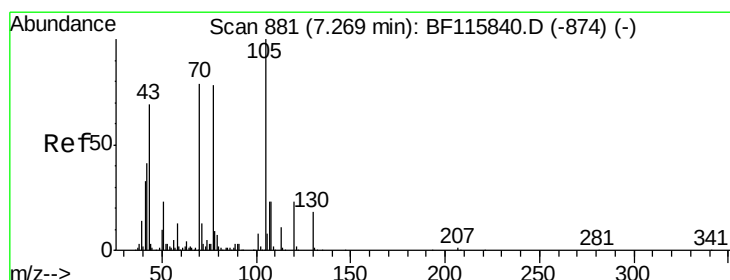
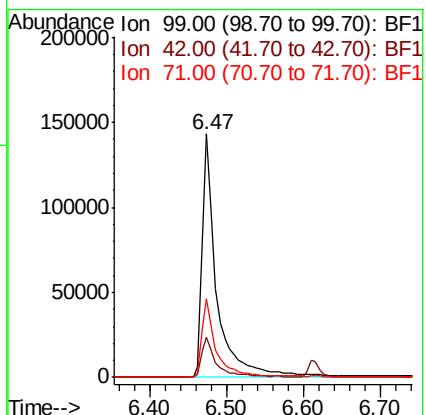
Tot Ion: 99 Resp: 190409

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

71 32.3 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 3.435 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion: 70 Resp: 14709

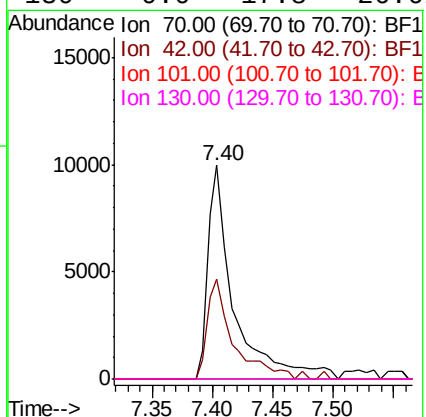
Ion Ratio Lower Upper

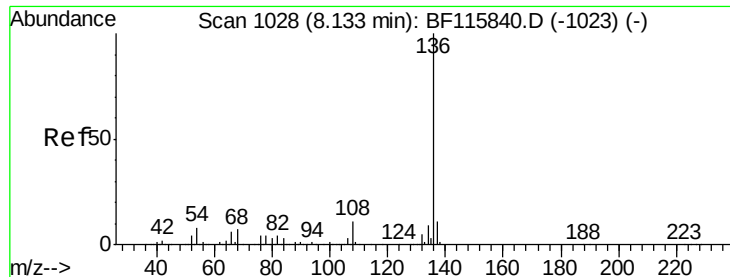
70 100

42 46.6 41.8 62.8

101 0.0 7.7 11.5#

130 0.0 17.8 26.6#

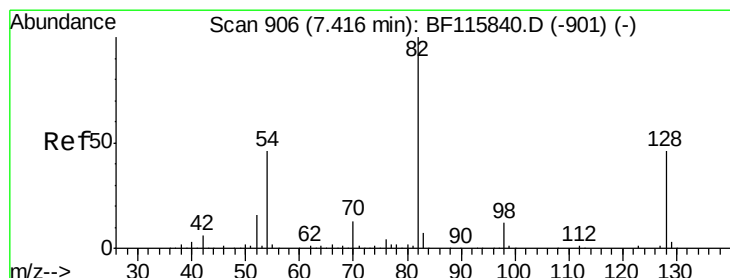
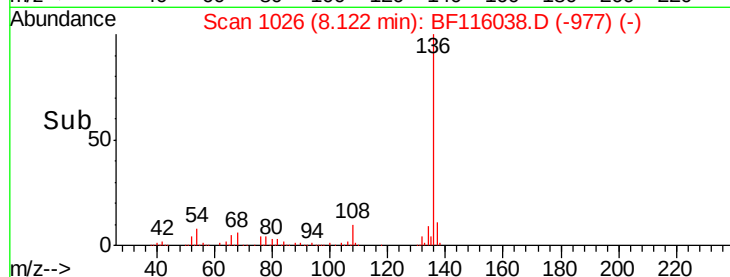
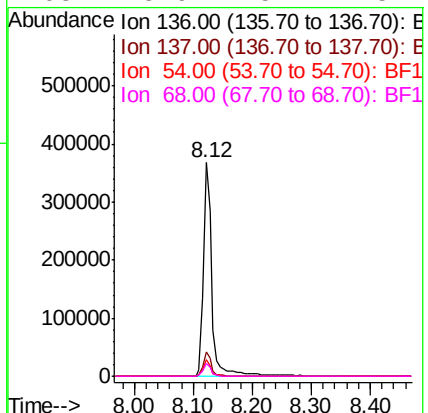
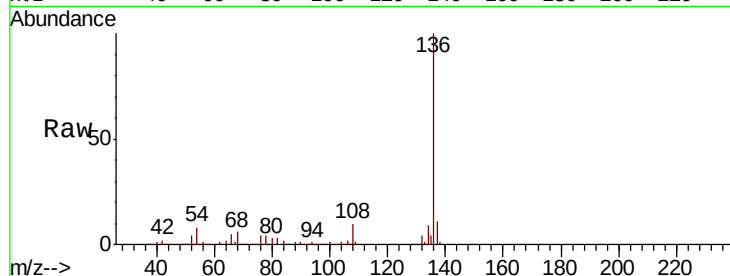




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

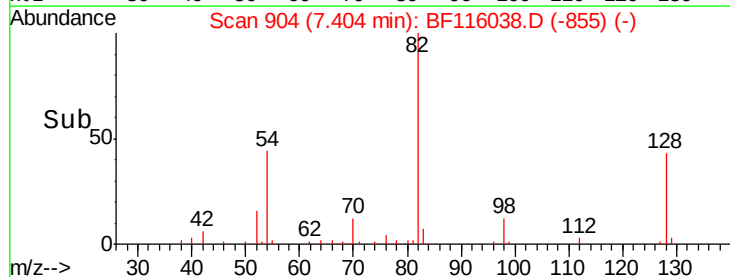
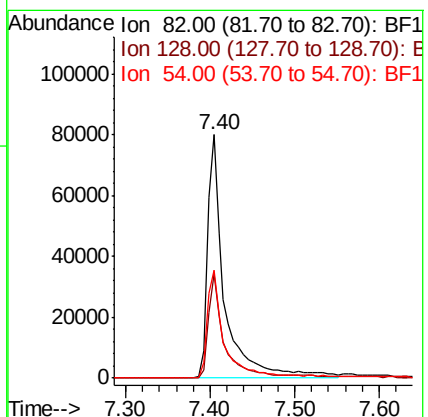
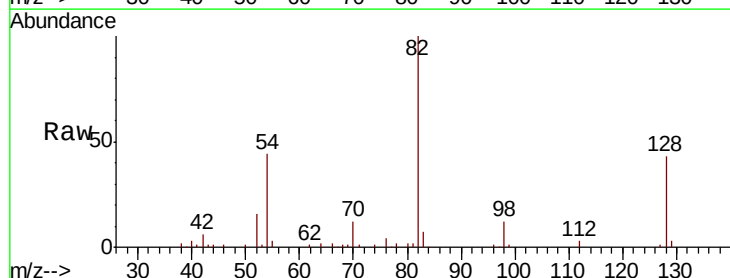
Instrument :
BNA_F
ClientSampleId :

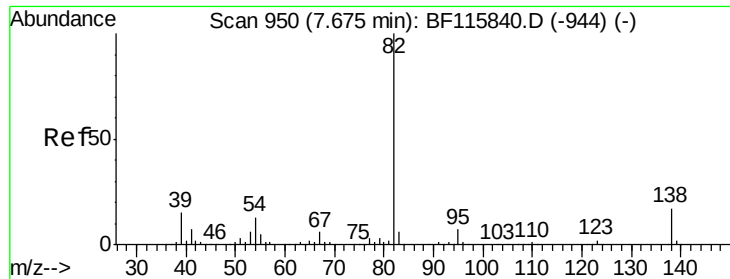
Tot Ion:136	Resp:	362455
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.1 13.7
54	7.5	6.1 9.1
68	5.9	5.4 8.2



#23
Nitrobenzene-d5
Concen: 17.976 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion: 82	Resp:	112874
Ion Ratio	Lower	Upper
82	100	
128	42.9	36.6 55.0
54	44.2	36.6 55.0





#25

Isophorone

Concen: 9.402 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampled :

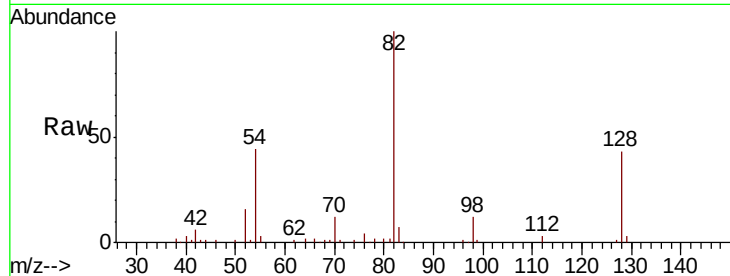
Tot Ion: 82 Resp: 112884

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

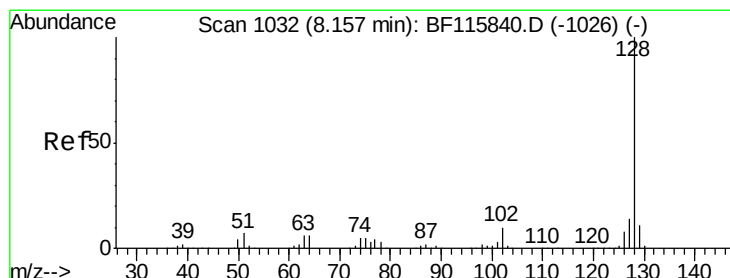
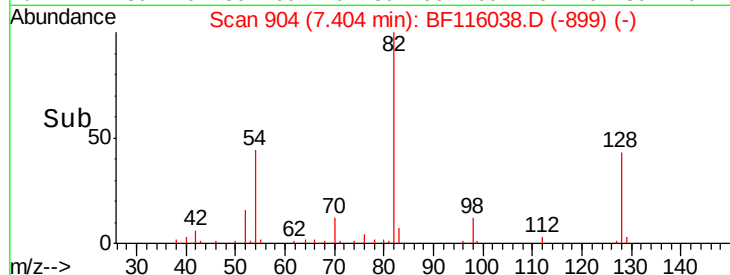
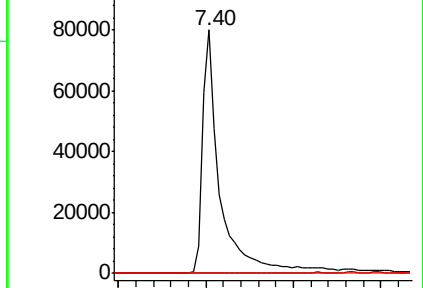
138 0.0 13.9 20.9#



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



#31

Naphthalene

Concen: 2.064 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

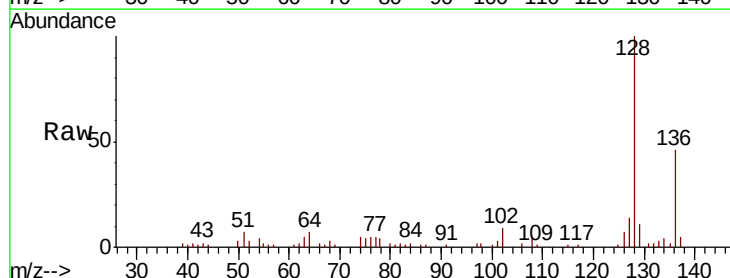
Tgt Ion: 128 Resp: 35211

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

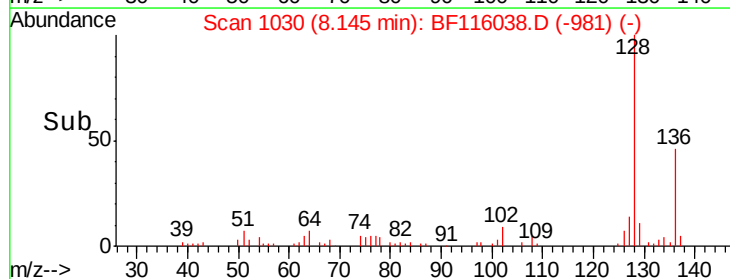
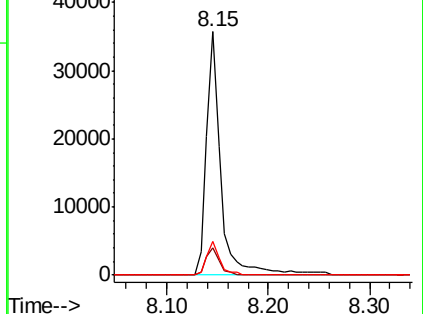
127 13.8 11.0 16.4

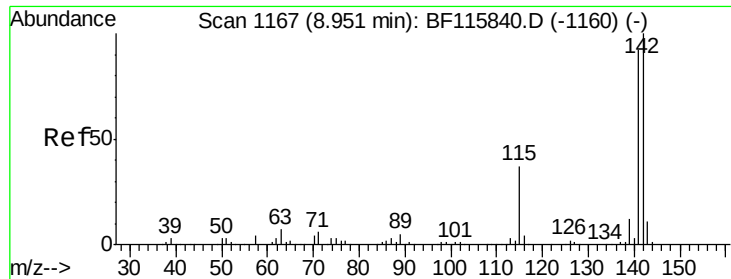


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

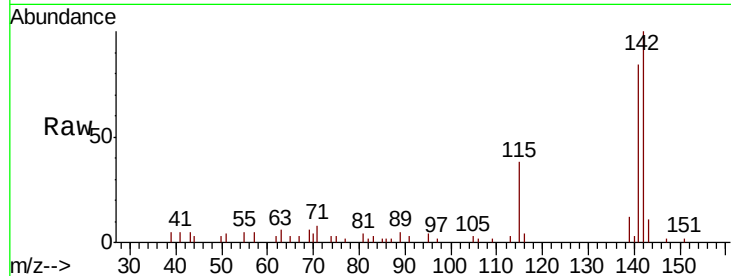




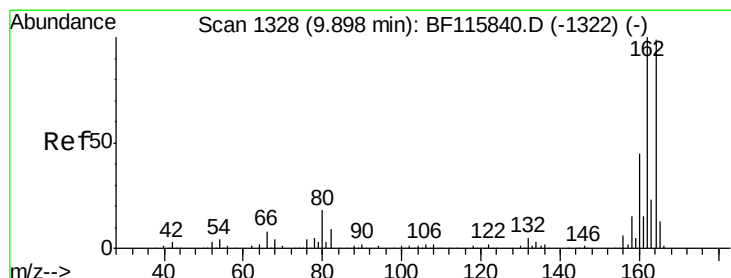
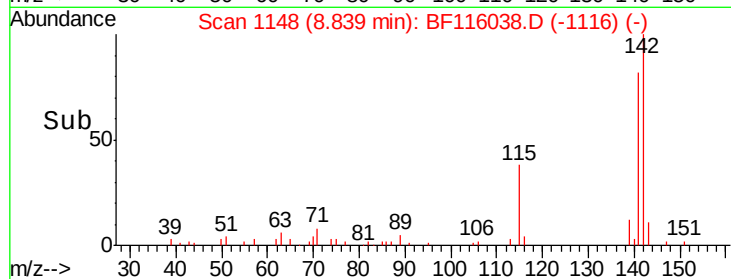
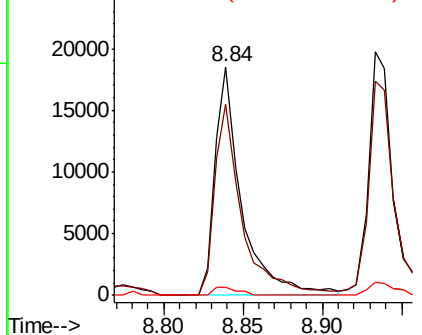
#38
1-Methylnaphthalene
Concen: 2.027 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.11 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 21543
Ion Ratio Lower Upper
142 100
141 83.6 73.8 110.6
116 3.7 3.1 4.7

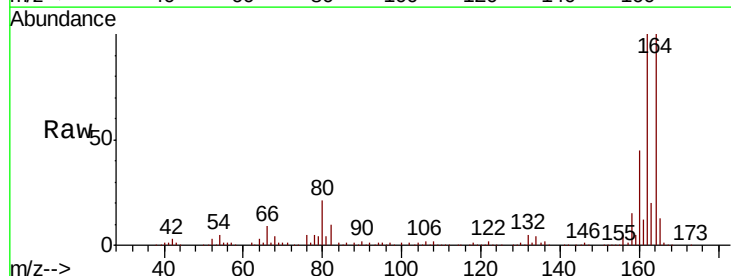


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

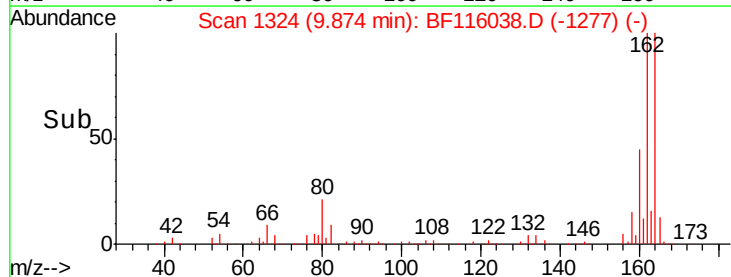
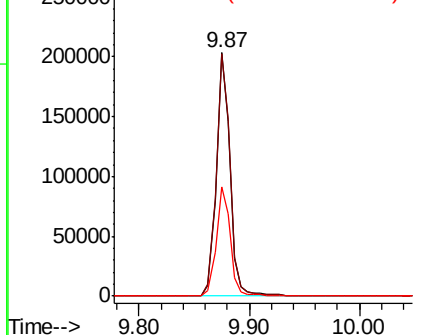


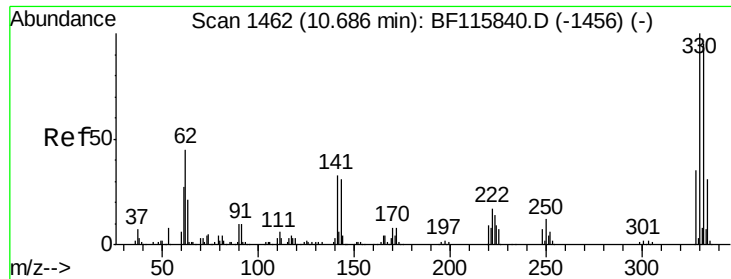
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion:164 Resp: 174657
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 44.7 36.2 54.4



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

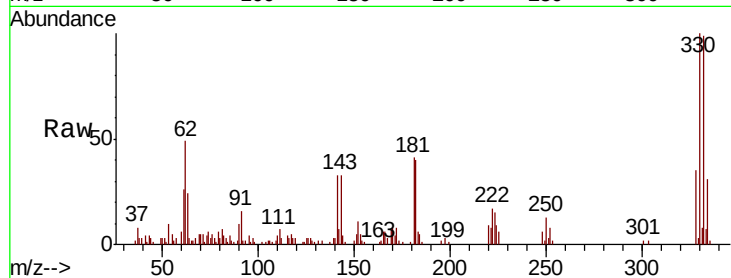




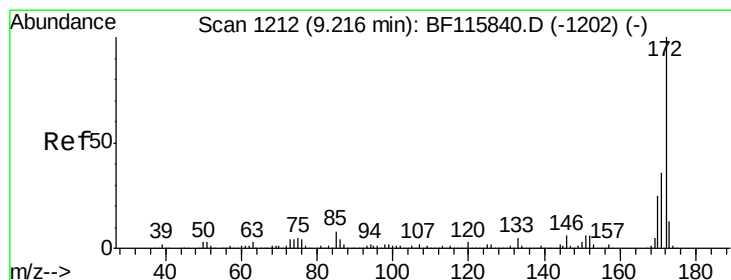
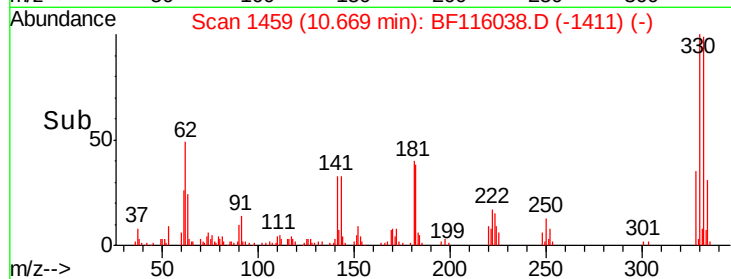
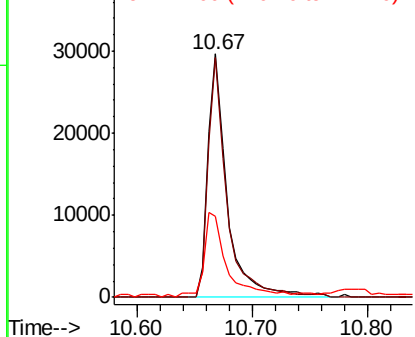
#42
 2,4,6-Tribromophenol
 Concen: 20.429 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 34593
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.7 116.5
 141 41.7 28.1 42.1

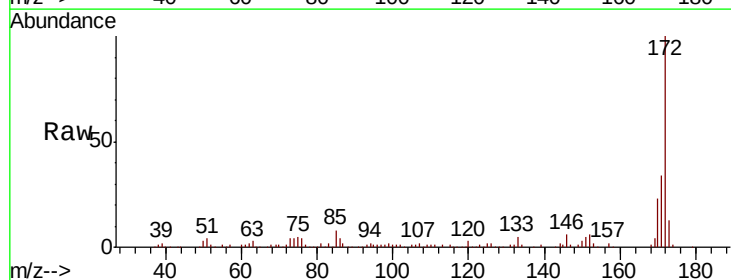


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

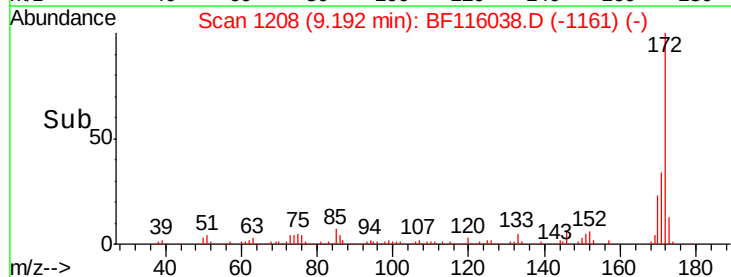
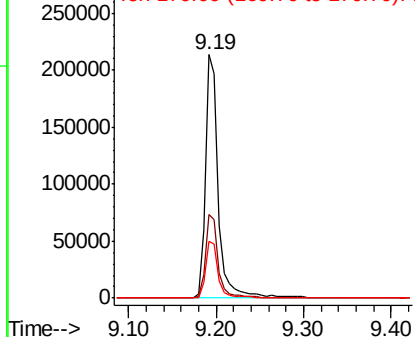


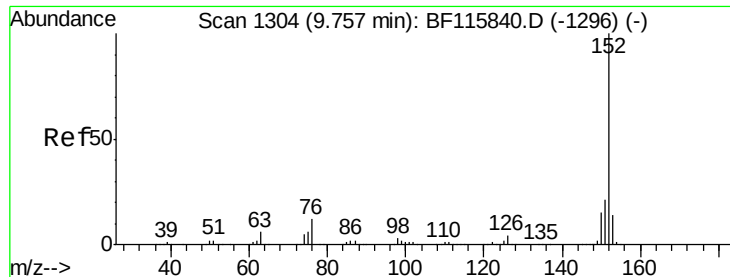
#45
 2-Fluorobiphenyl
 Concen: 23.349 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion:172 Resp: 217724
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.1 43.7
 170 23.3 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: 5.782 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

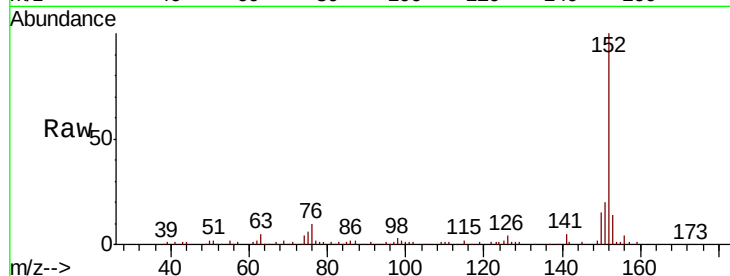
Instrument :

BNA_F

ClientSampled :

Tot Ion:152 Resp: 86569

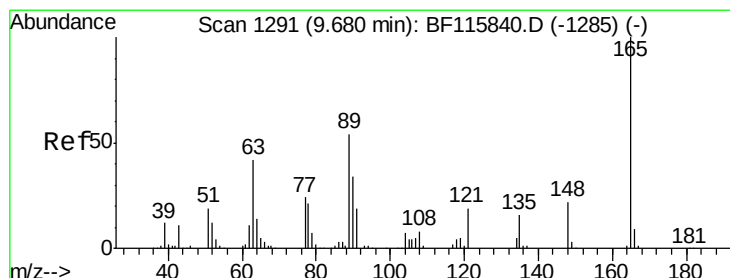
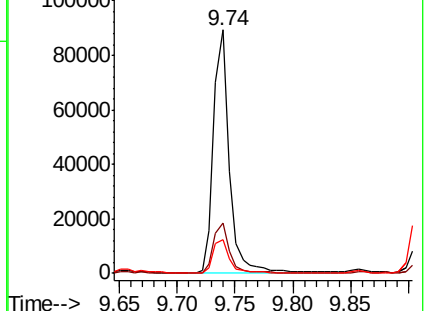
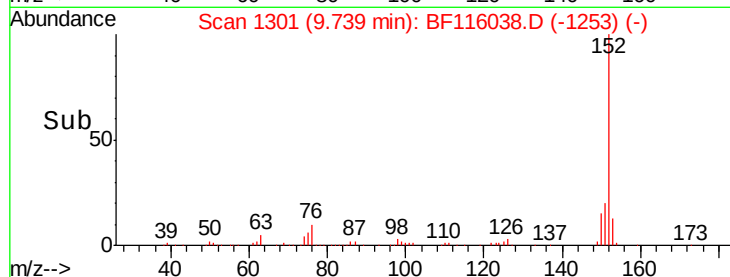
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	14.1	11.6	17.4



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



#51

2,6-Dinitrotoluene

Concen: 9.170 ng

RT: 9.87 min Scan# 1324

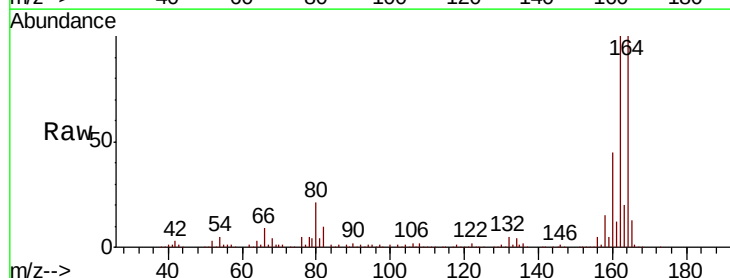
Delta R.T. 0.19 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:165 Resp: 23698

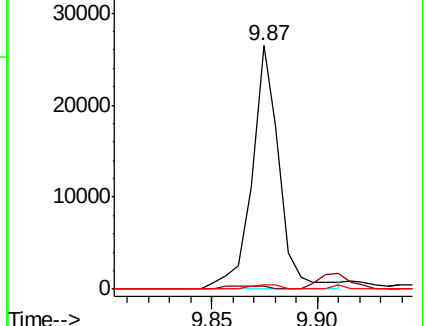
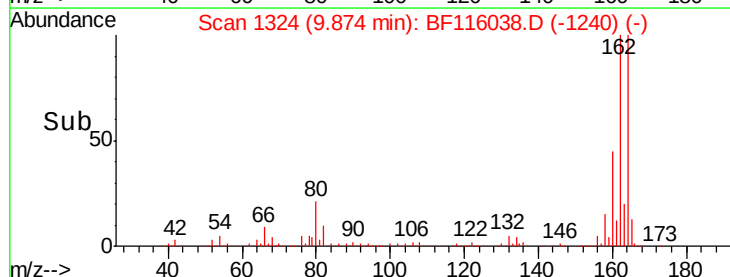
Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.4	59.2#
89	1.8	43.0	64.6#

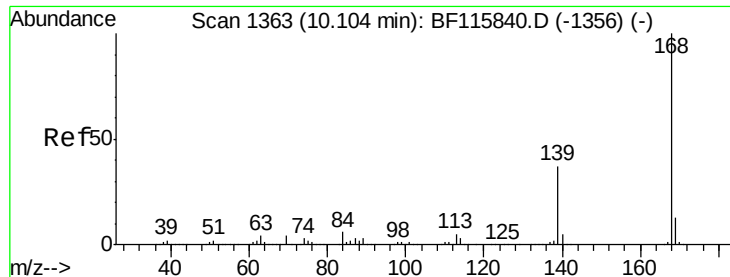


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

Dibenzofuran

Concen: 3.893 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampleId :

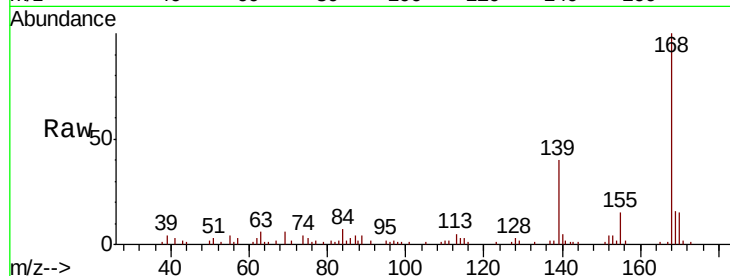
Tot Ion:168 Resp: 52002

Ion Ratio Lower Upper

168 100

139 39.6 30.2 45.2

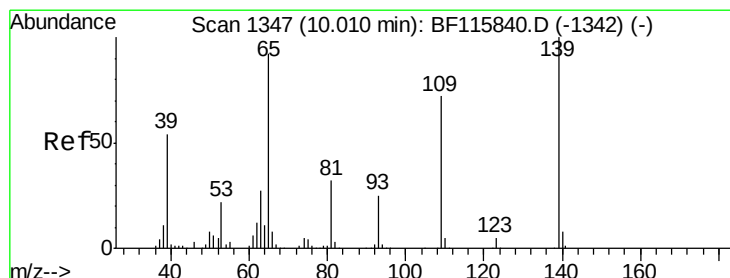
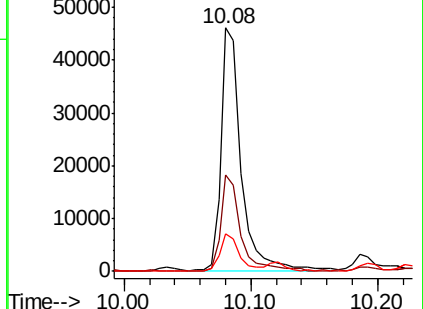
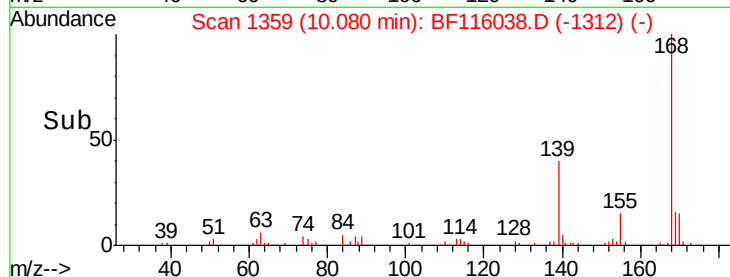
169 15.7 10.8 16.2



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: 9.831 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.07 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

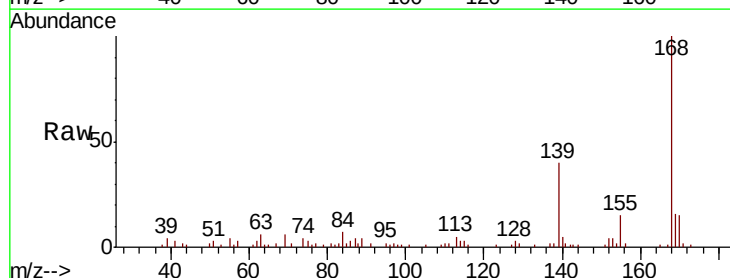
Tgt Ion:139 Resp: 20111

Ion Ratio Lower Upper

139 100

109 3.6 52.0 92.0#

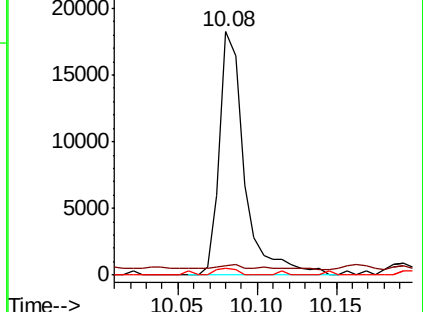
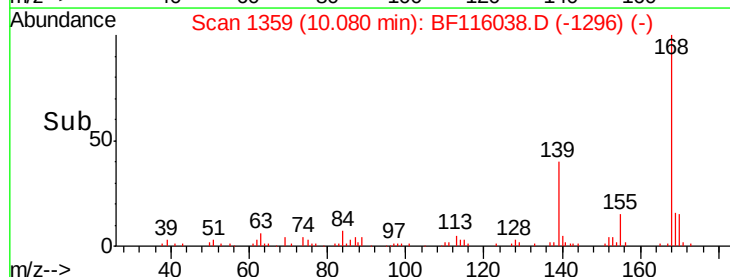
65 2.8 72.6 112.6#

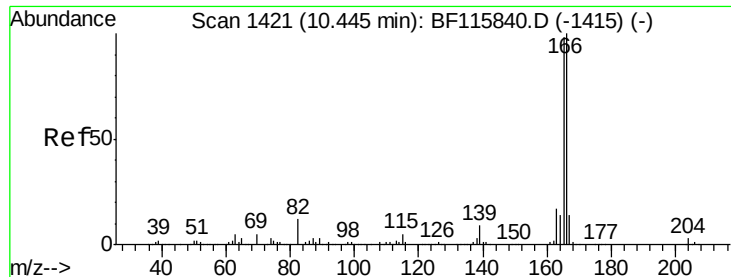


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

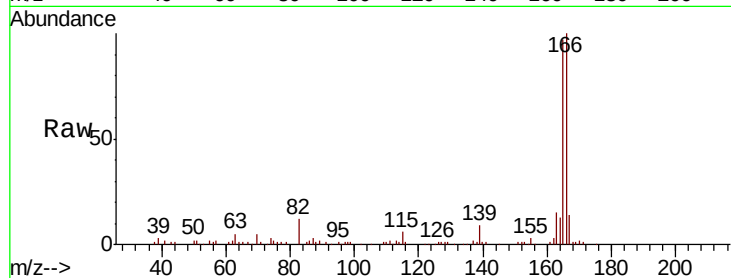




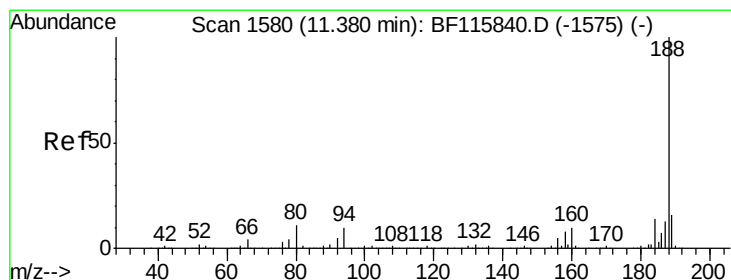
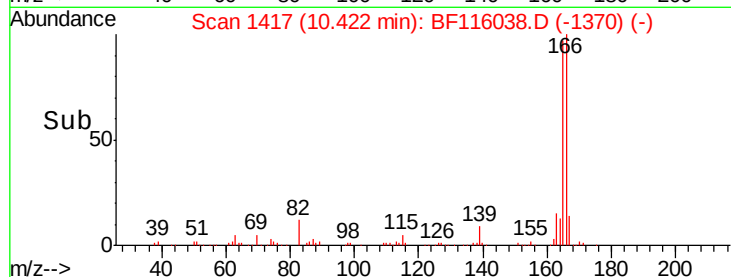
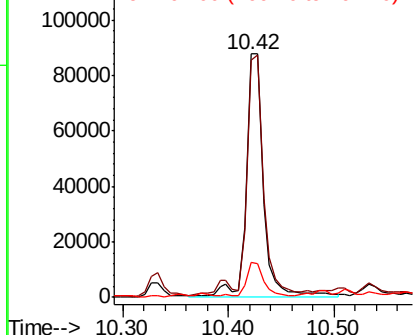
#58
 Fluorene
 Concen: 9.638 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.6	118.0
167	14.4	10.9	16.3

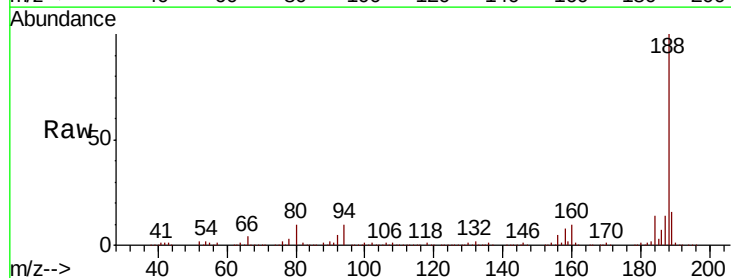


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

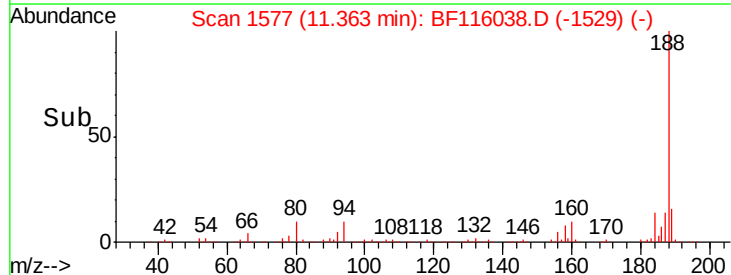
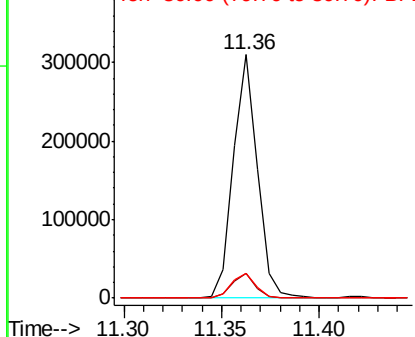


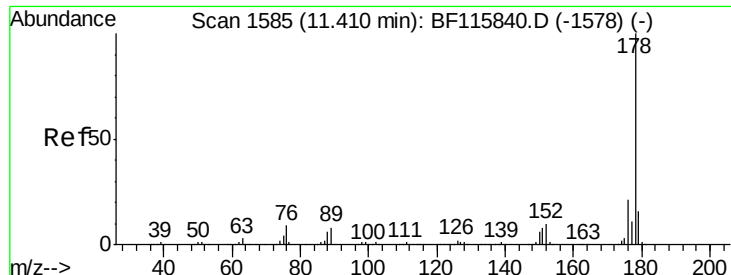
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.2	8.6	12.8



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

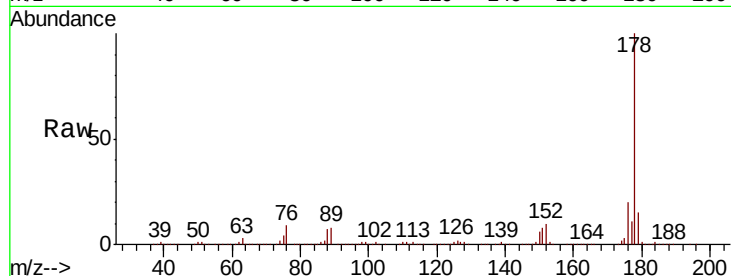




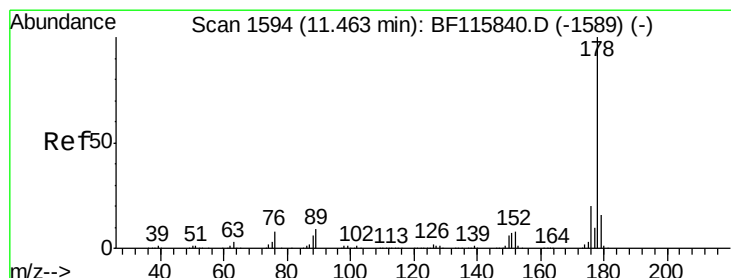
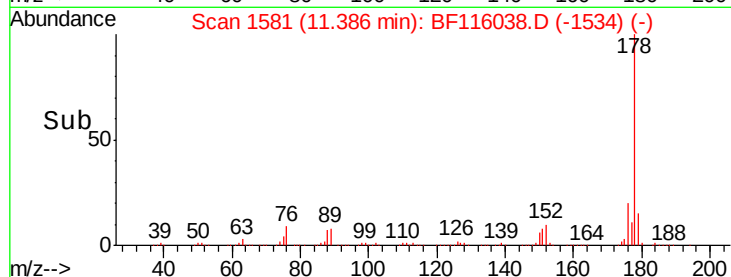
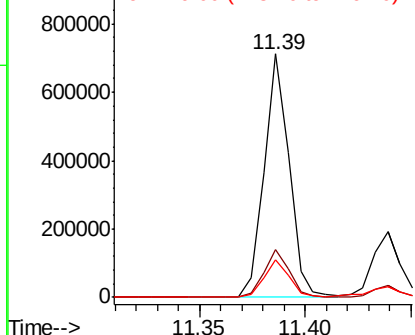
#71
Phenanthrene
Concen: 43.370 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 589928
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.4 12.6 18.8

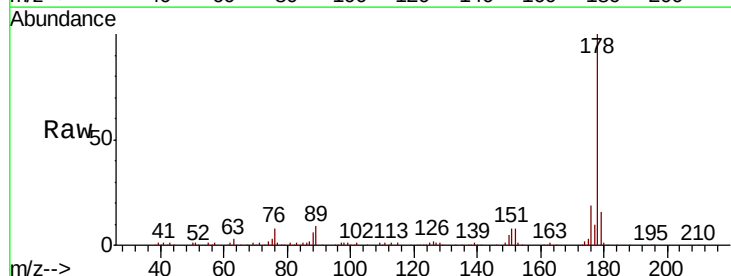


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

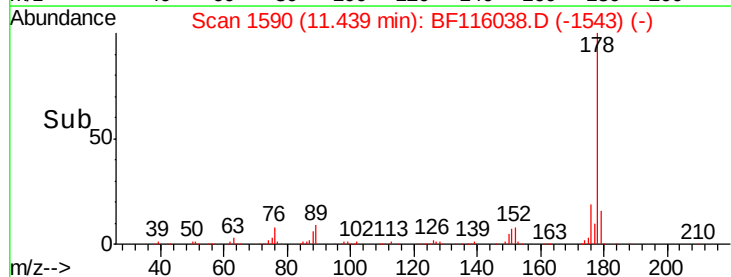
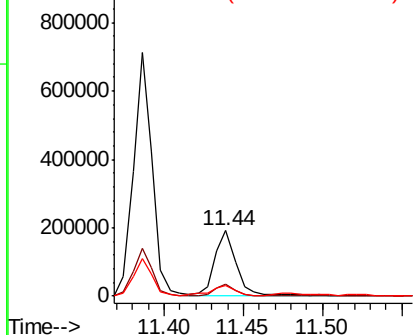


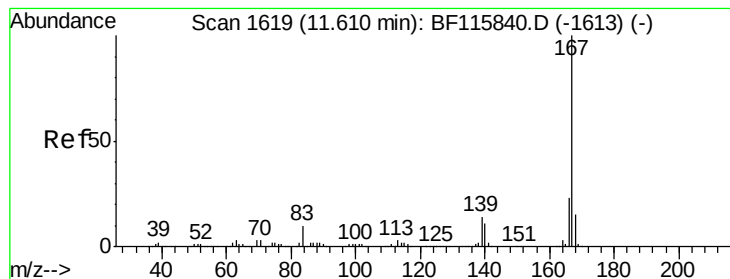
#72
Anthracene
Concen: 13.080 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion:178 Resp: 180066
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.9 12.4 18.6



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: 4.442 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

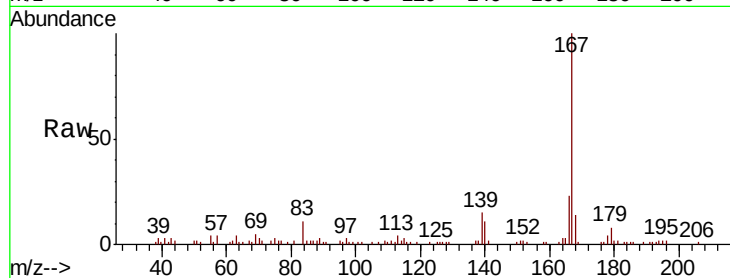
Instrument :

BNA_F

ClientSampleId :

Tot Ion:167 Resp: 55478

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.0	27.0
139	14.8	11.4	17.2

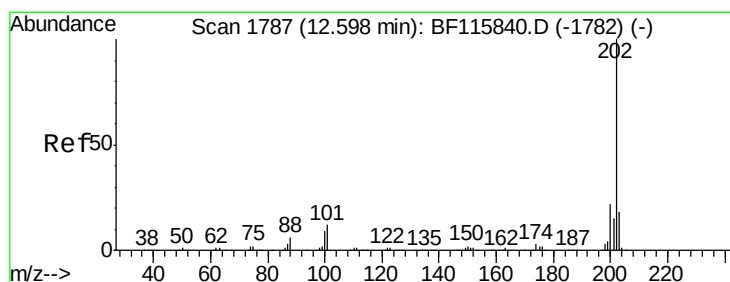
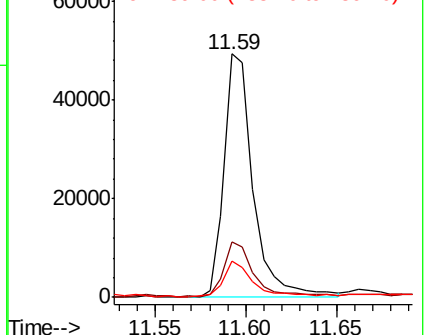
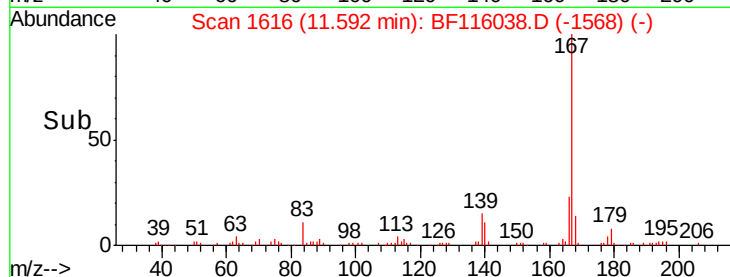


Abundance

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: 53.139 ng

RT: 12.57 min Scan# 1783

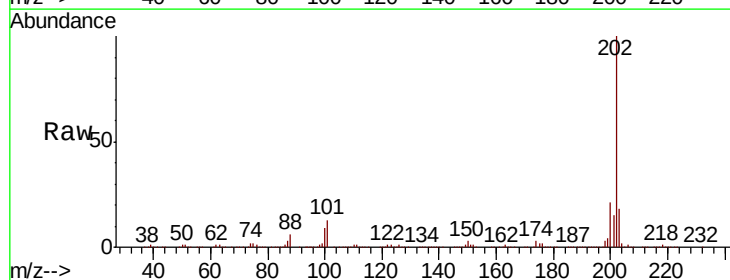
Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:202 Resp: 756707

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.5
203	18.0	0.0	37.9

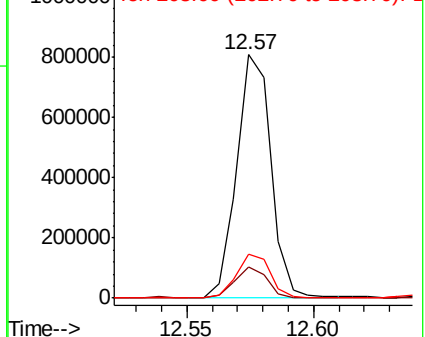
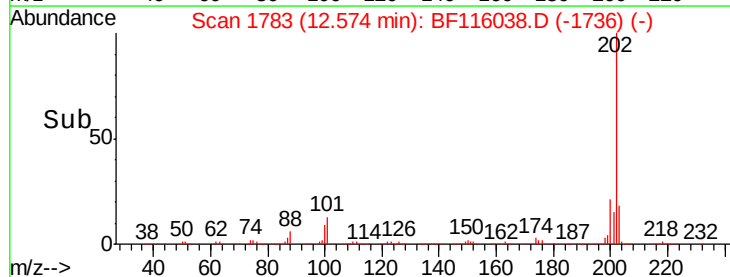


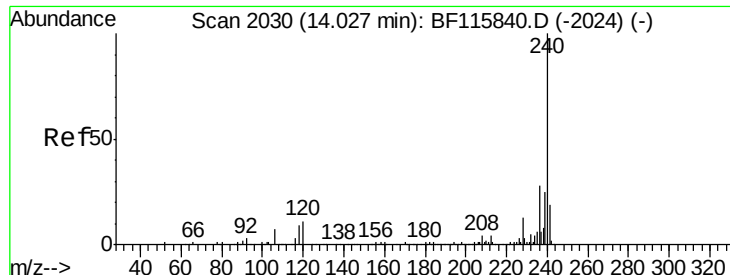
Abundance

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

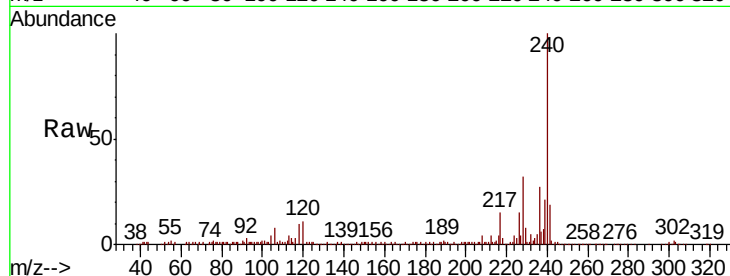




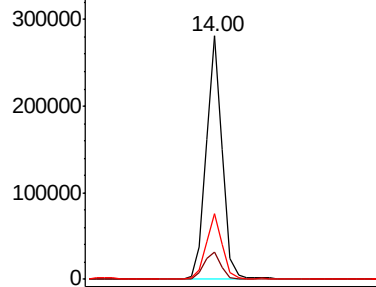
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :

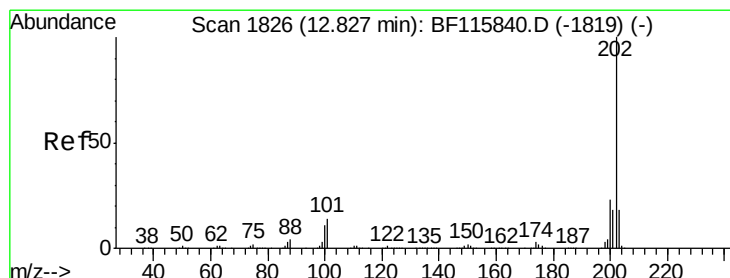
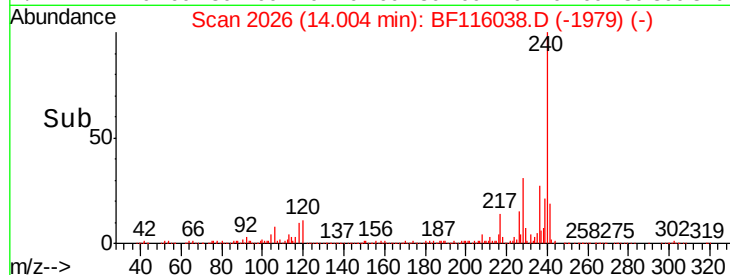
Tot Ion:240 Resp: 235278
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.5 12.7
 236 26.8 22.2 33.2



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

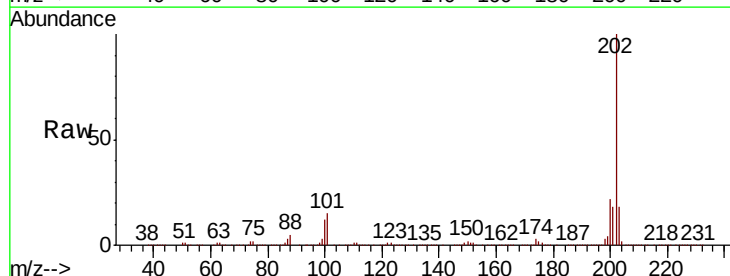


Time-->

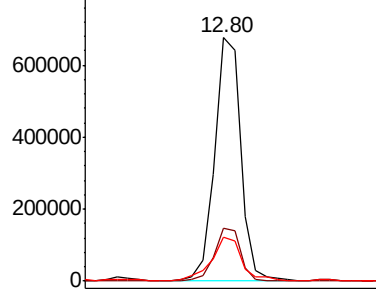


#78
 Pyrene
 Concen: 38.018 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

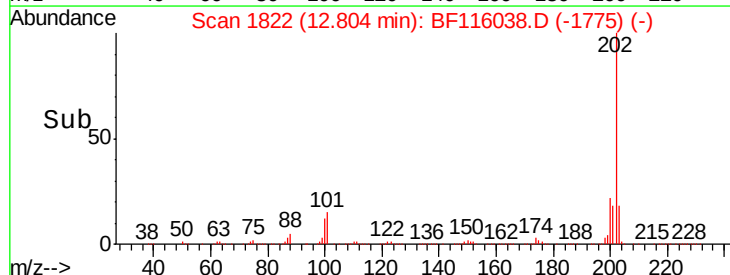
Tgt Ion:202 Resp: 674274
 Ion Ratio Lower Upper
 202 100
 200 21.9 18.2 27.2
 203 18.1 14.3 21.5

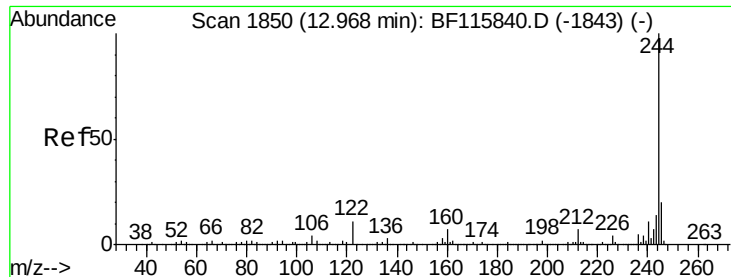


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 17.481 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.03 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampleId :

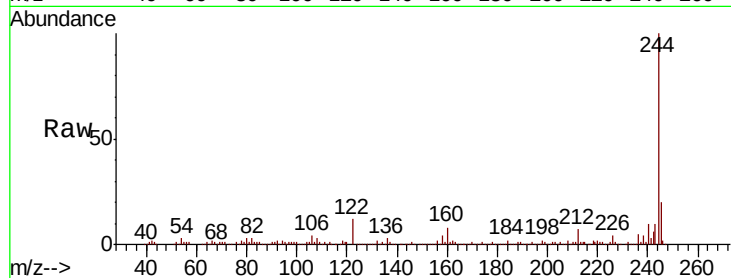
Tot Ion:244 Resp: 195186

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

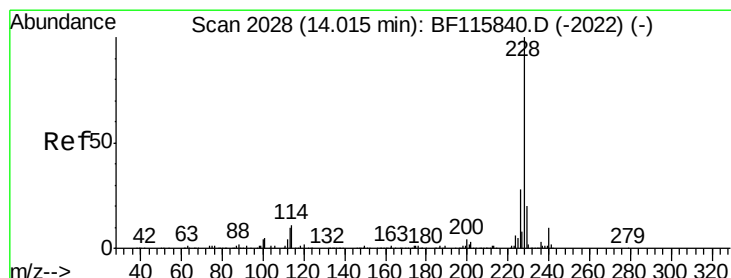
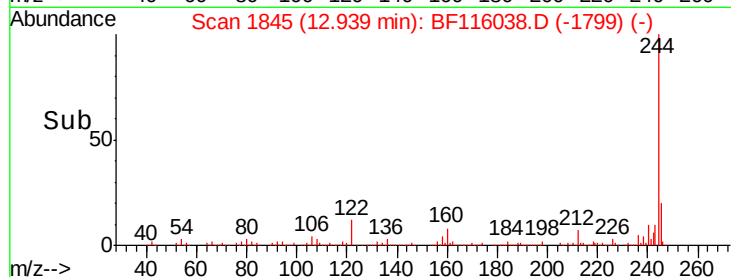
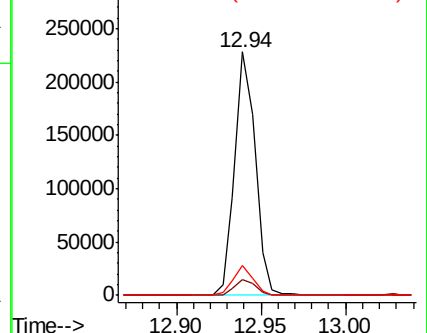
122 12.2 8.6 13.0



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: 26.444 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

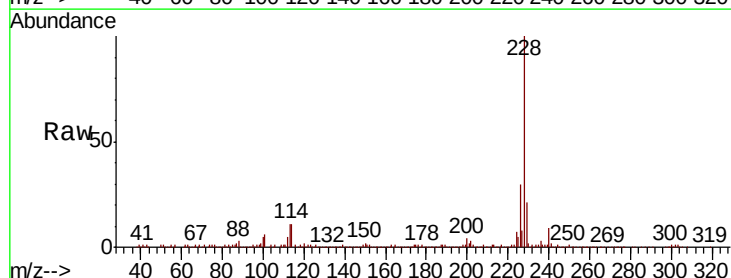
Tgt Ion:228 Resp: 397672

Ion Ratio Lower Upper

228 100

226 29.6 22.5 33.7

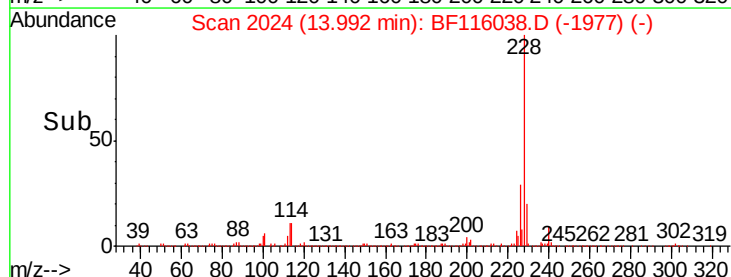
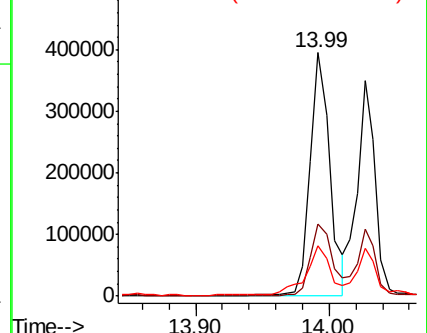
229 20.8 16.1 24.1

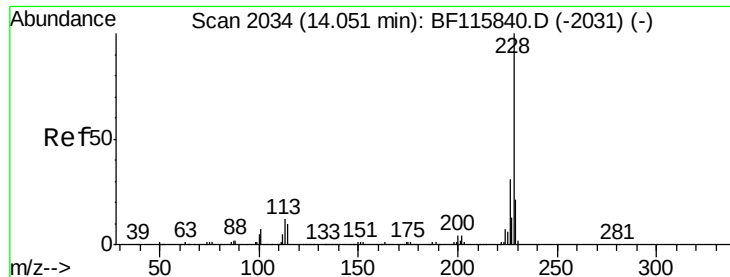


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 22.666 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampleId :

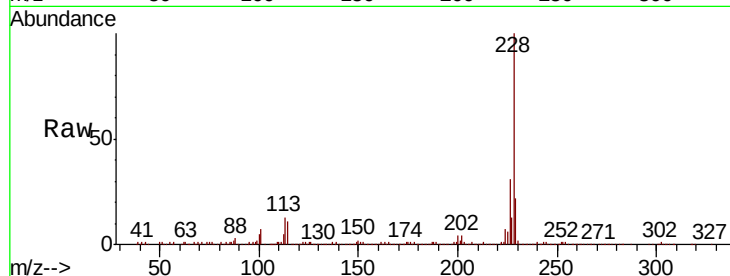
Tot Ion:228 Resp: 330912

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

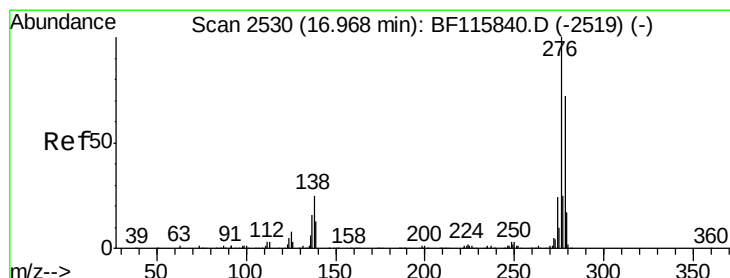
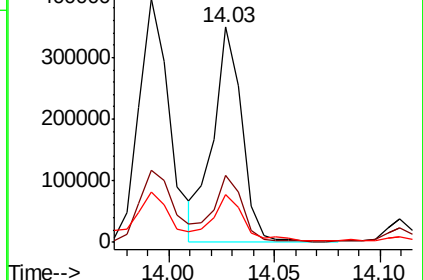
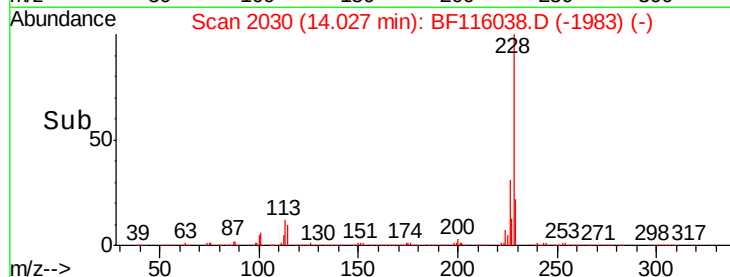
229 22.5 16.4 24.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 11.455 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.04 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

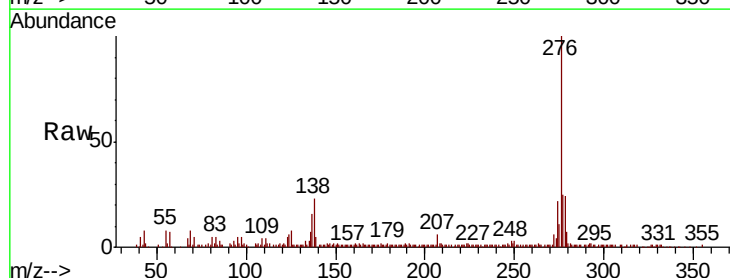
Tgt Ion:276 Resp: 140469

Ion Ratio Lower Upper

276 100

138 21.3 19.6 29.4

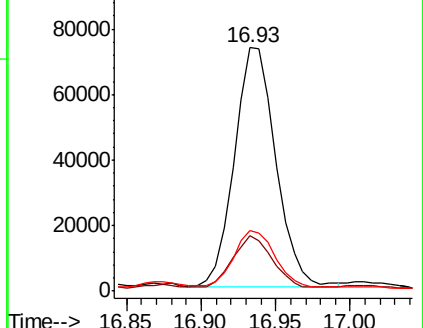
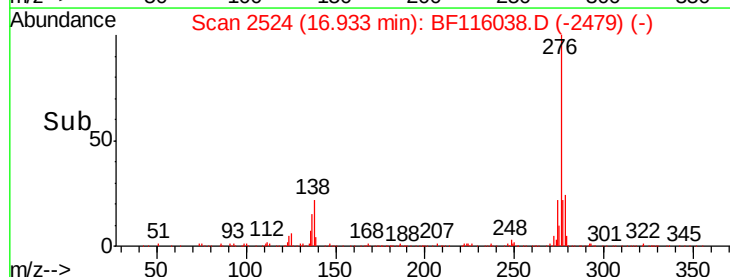
277 23.7 20.1 30.1

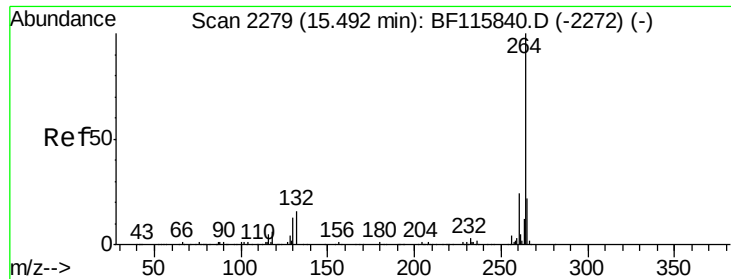


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampled :

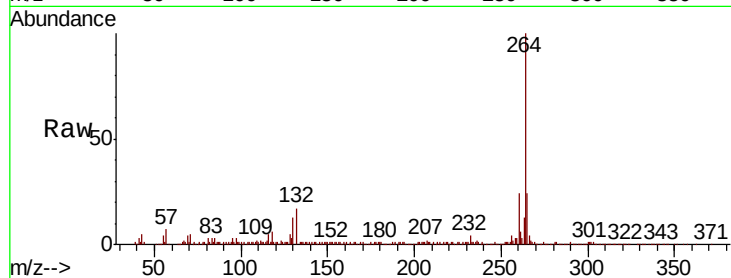
Tot Ion:264 Resp: 250686

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

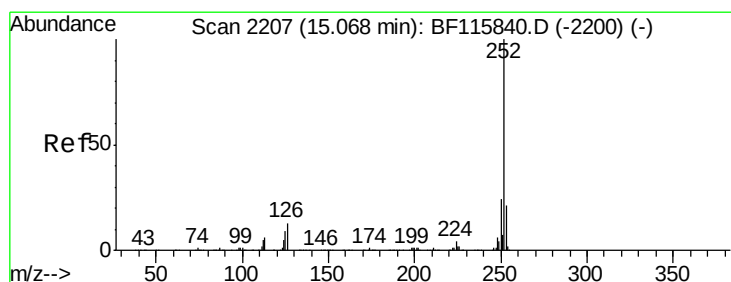
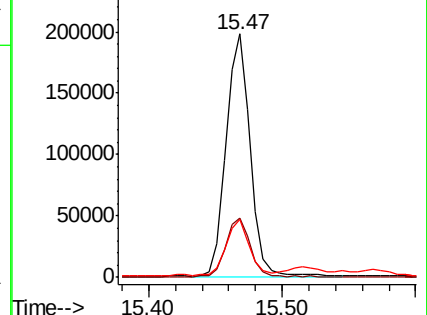
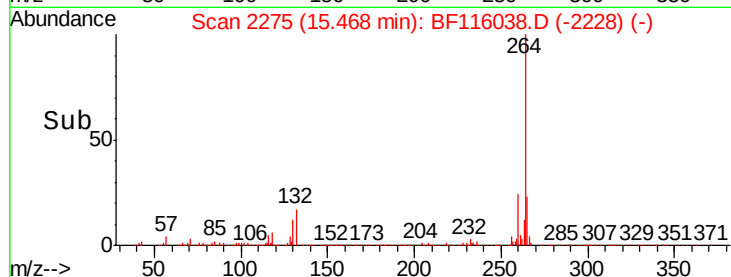
265 23.7 17.5 26.3



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: 39.073 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

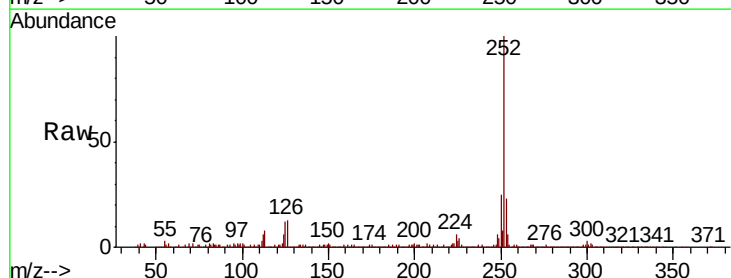
Tgt Ion:252 Resp: 566359

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

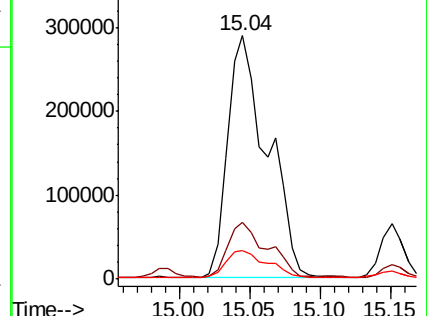
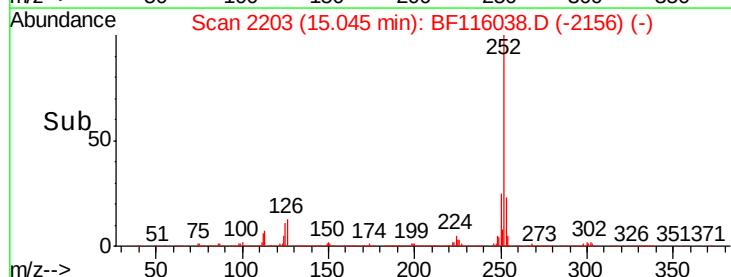
125 11.7 7.4 11.0#

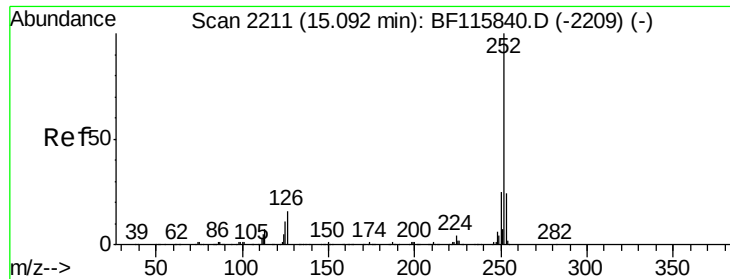


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

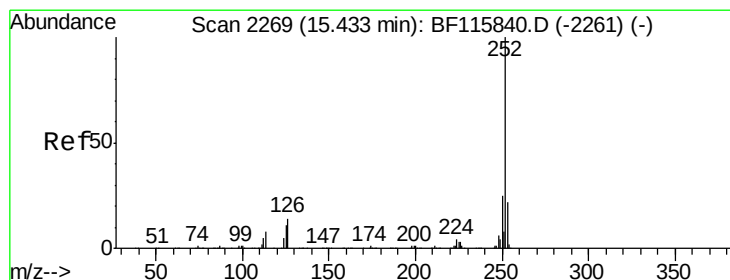
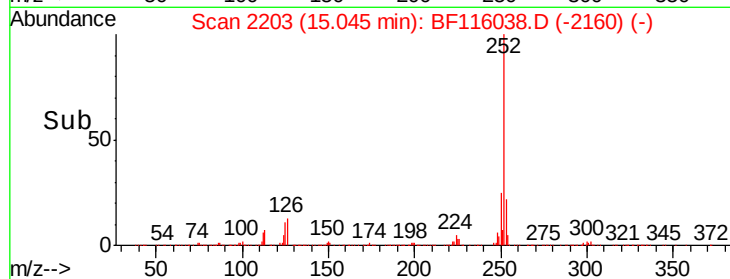
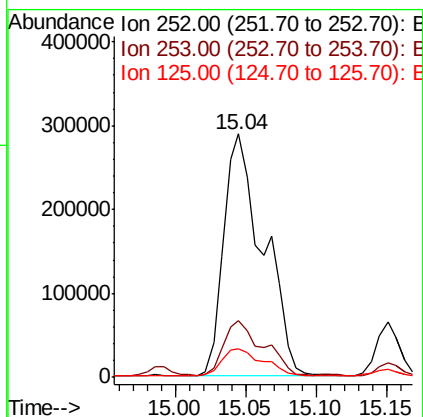
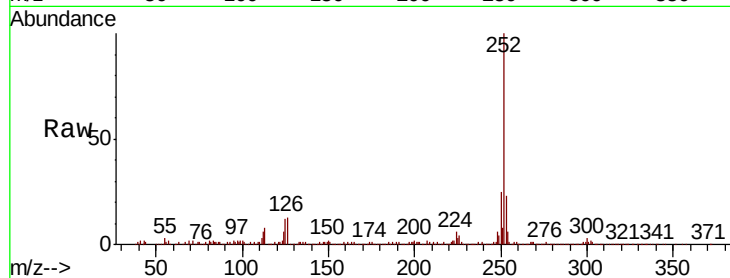




#89
Benzo(k)fluoranthene
Concen: 40.115 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.05 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

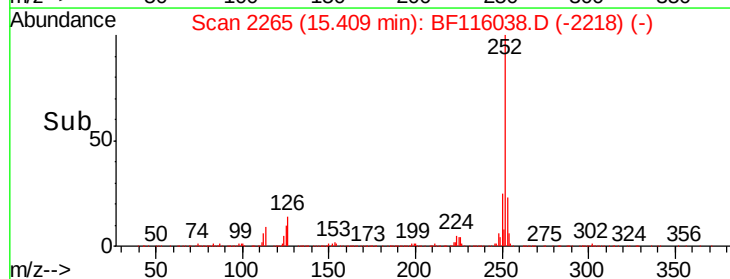
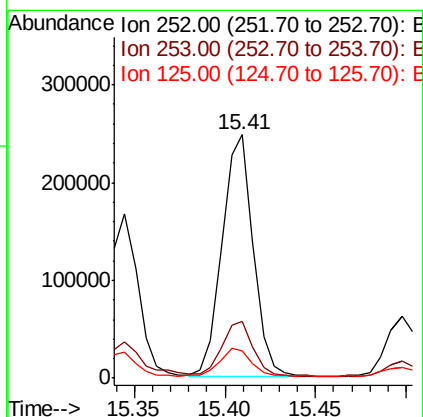
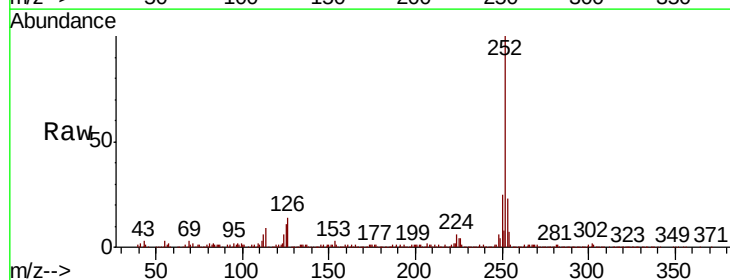
Instrument :
BNA_F
ClientSampleId :

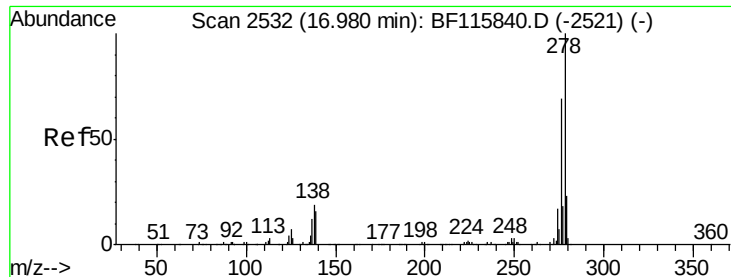
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	11.7	8.9	13.3



#90
Benzo(a)pyrene
Concen: 22.819 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.2	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.418 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.04 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampleId :

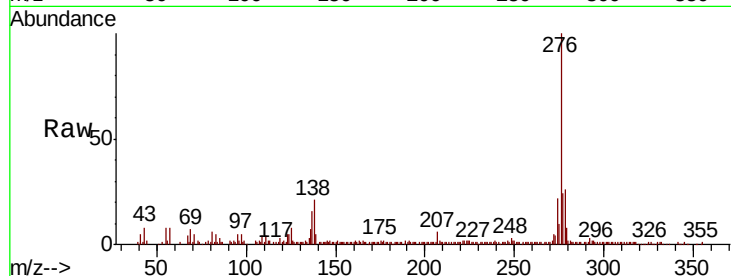
Tot Ion:278 Resp: 38340

Ion Ratio Lower Upper

278 100

139 20.1 12.6 19.0#

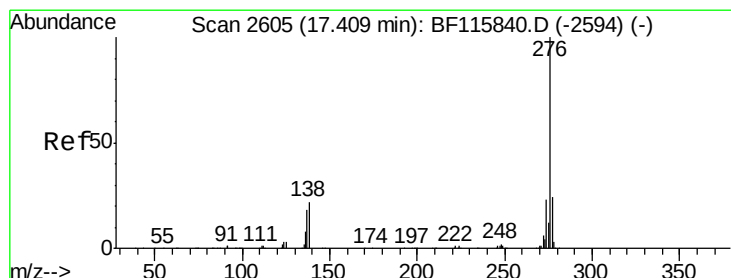
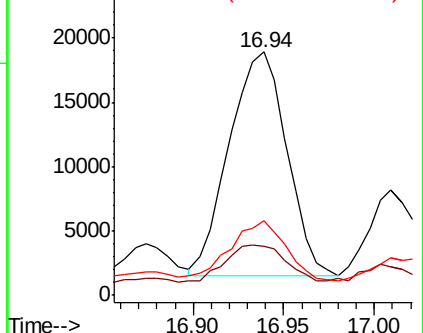
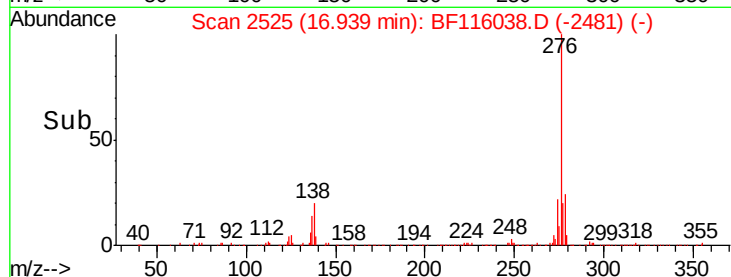
279 30.7 18.8 28.2#



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(g,h,i)perylene

Concen: 11.340 ng

RT: 17.38 min Scan# 2600

Delta R.T. -0.03 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

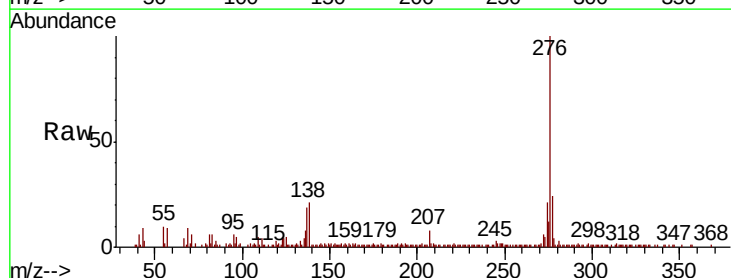
Tgt Ion:276 Resp: 124913

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 21.3 17.8 26.8



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

