

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116122.D
 Acq On : 9 Aug 2019 19:45
 Operator : HP/JU
 Sample : K4257-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:35:33 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	135103	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	514237	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	264139	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	441547	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	301764	20.00	ng	-0.01
87) Perylene-d12	15.46	264	336664	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1028645	127.46	ng	0.00
7) Phenol-d6	6.49	99	1363073	133.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	871975	97.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	312923	122.19	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1449682	102.80	ng	-0.01
79) Terphenyl-d14	12.94	244	1453071	101.47	ng	-0.01

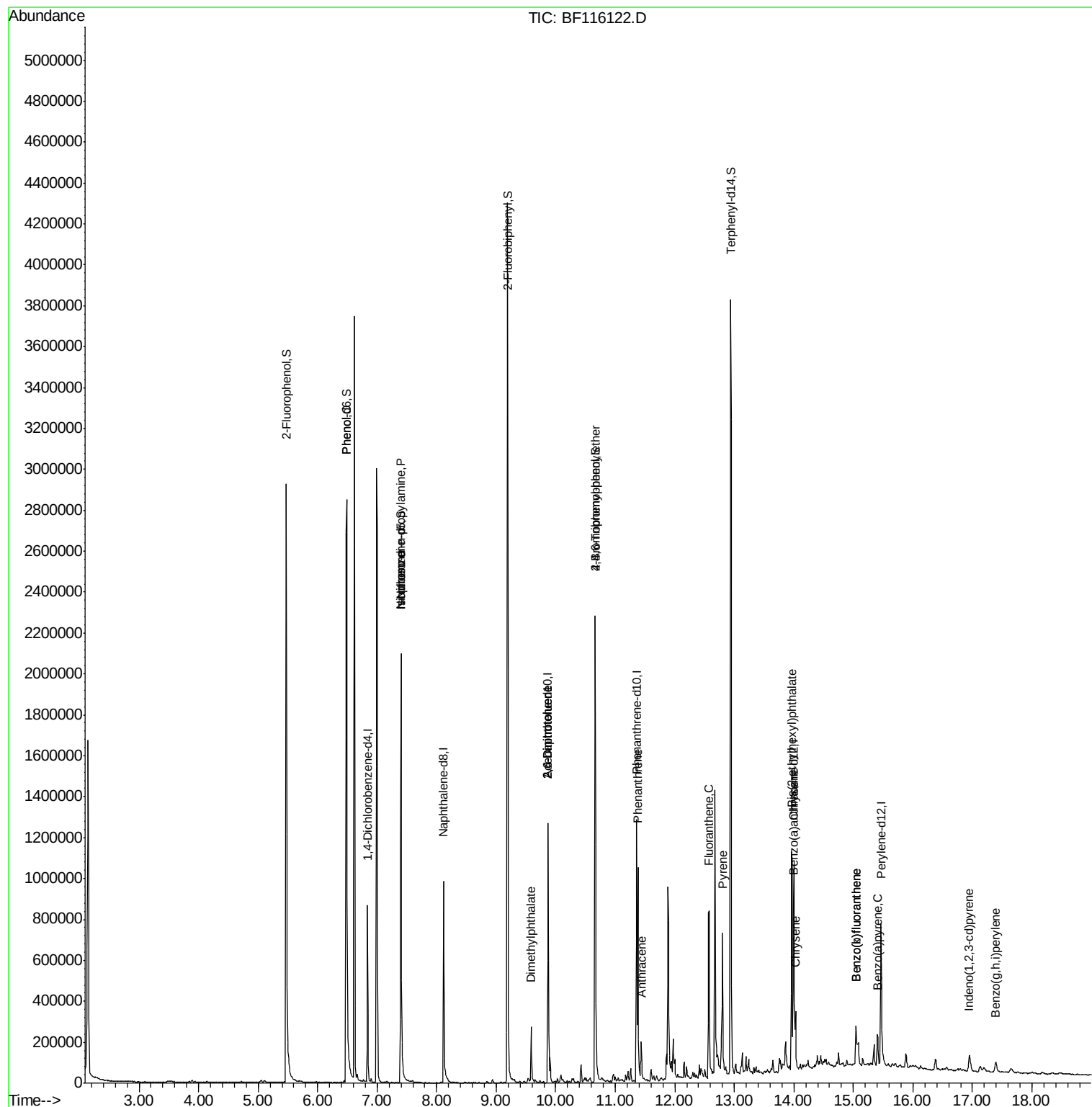
Target Compounds				Qvalue		
10) Phenol	6.49	94	26873	2.241	ng	# 63
19) n-Nitroso-di-n-propylamine	7.40	70	115360	18.283	ng	# 80
25) Isophorone	7.40	82	871971	51.188	ng	# 65
50) Dimethylphthalate	9.59	163	136905	7.612	ng	98
51) 2,6-Dinitrotoluene	9.87	165	34301	8.776	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	34301	6.592	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	19162	4.054	ng	# 1
71) Phenanthrene	11.38	178	385842	17.093	ng	99
72) Anthracene	11.44	178	93443	4.090	ng	98
75) Fluoranthene	12.57	202	353943	14.978	ng	99
78) Pyrene	12.80	202	296084	13.016	ng	98
81) Benzo(a)anthracene	13.99	228	122714	6.362	ng	98
83) Chrysene	14.03	228	115129	6.148	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	313695	25.087	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.94	276	45795	2.912	ng	97
88) Benzo(b)fluoranthene	15.04	252	148758	7.642	ng	98
89) Benzo(k)fluoranthene	15.04	252	148758	7.846	ng	# 97
90) Benzo(a)pyrene	15.40	252	76400	4.390	ng	97
92) Benzo(a,h,i)perylene	17.39	276	45543	3.079	ng	92

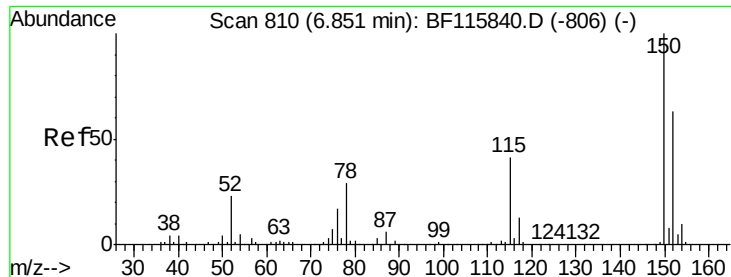
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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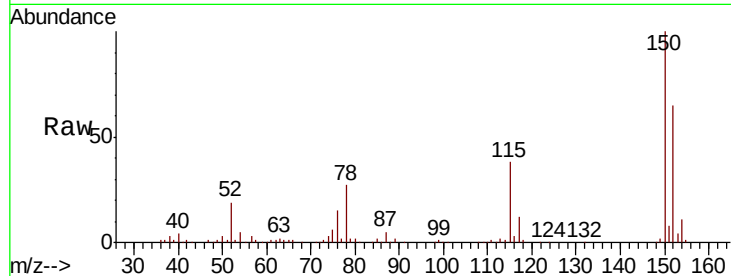


#1

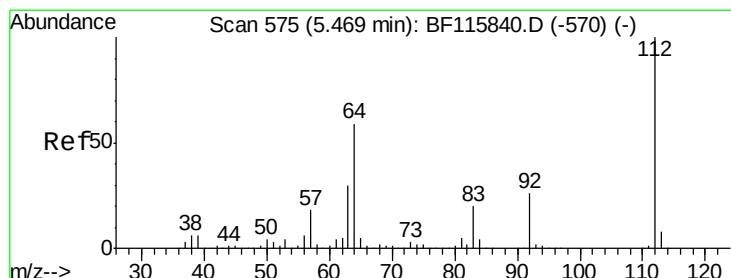
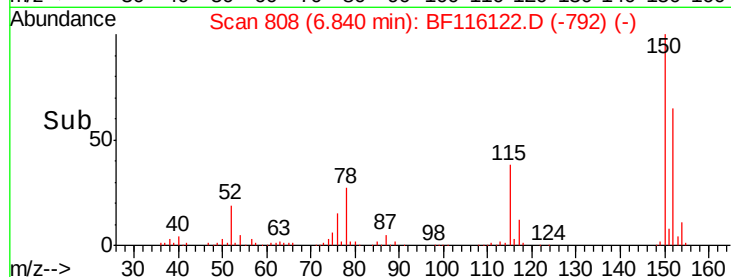
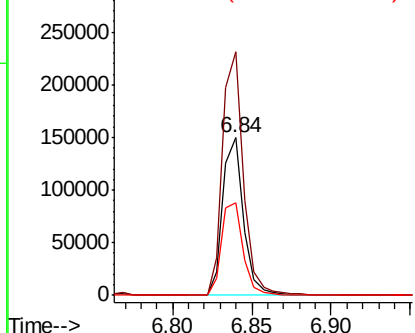
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135103
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.2
115 59.0 49.9 74.9



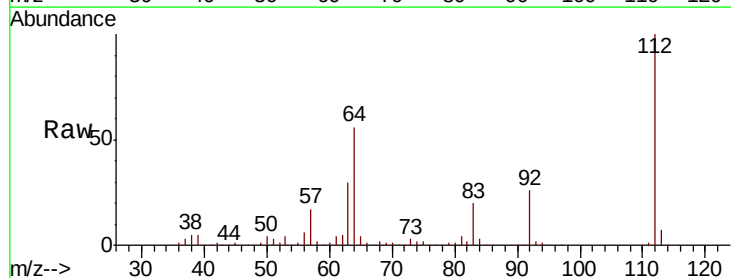
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



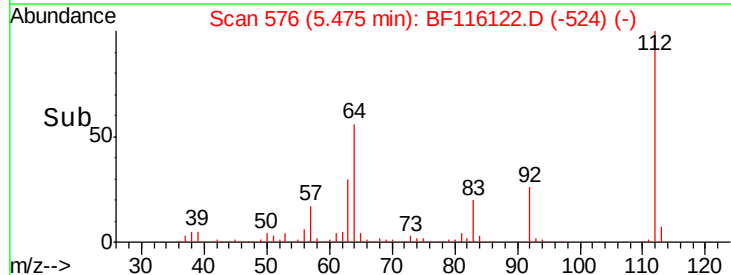
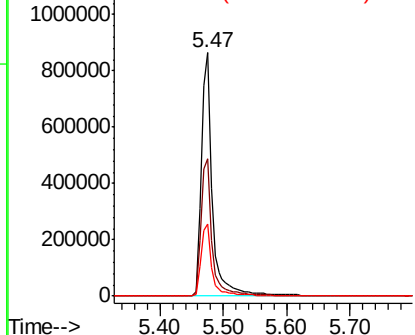
#5

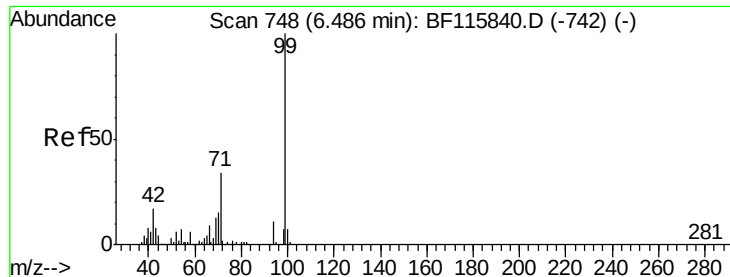
2-Fluorophenol
Concen: 127.459 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:112 Resp: 1028645
Ion Ratio Lower Upper
112 100
64 56.5 45.4 68.2
63 29.7 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: 133.868 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

ClientSampleId :

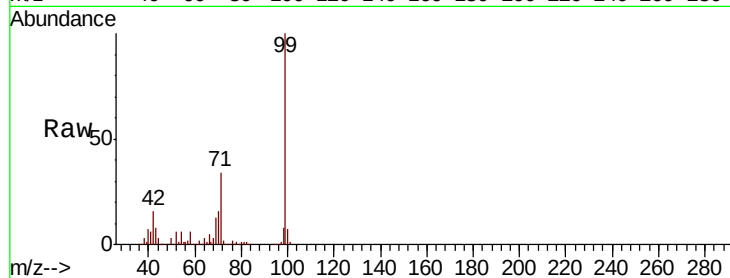
Tot Ion: 99 Resp: 1363073

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.8

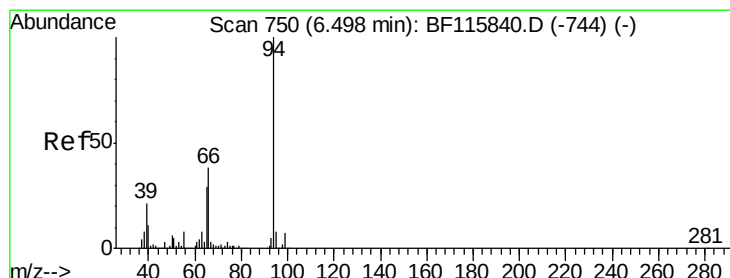
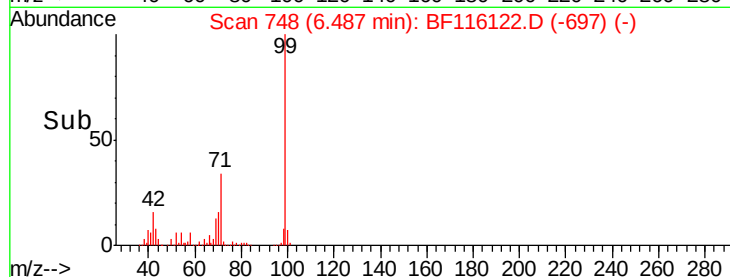
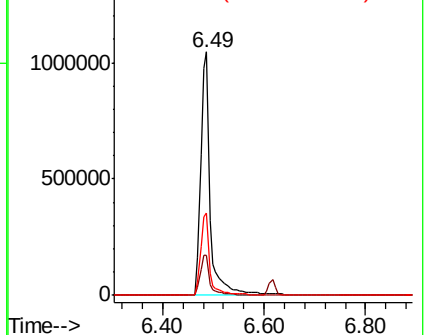
71 33.6 27.3 40.9



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



#10

Phenol

Concen: 2.241 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

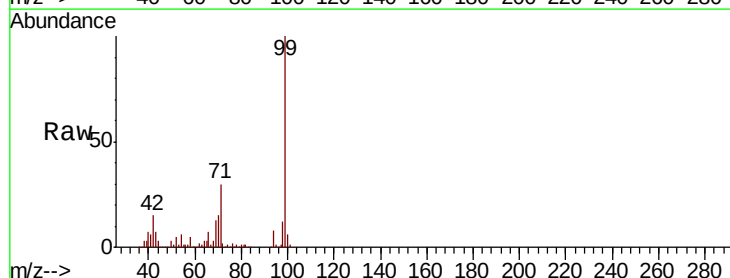
Tgt Ion: 94 Resp: 26873

Ion Ratio Lower Upper

94 100

65 40.2 16.8 56.8

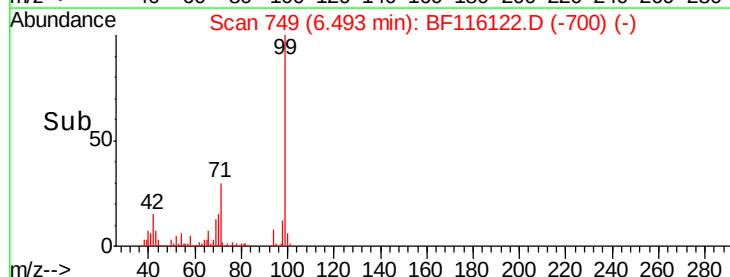
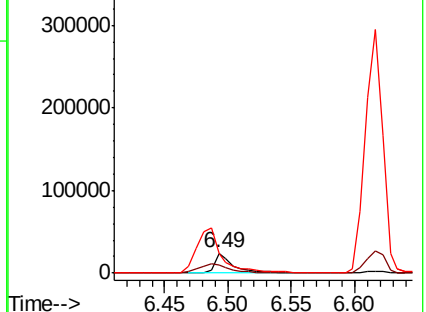
66 96.5 34.2 74.2#

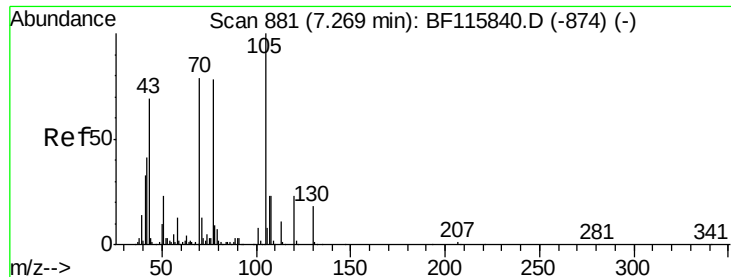


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

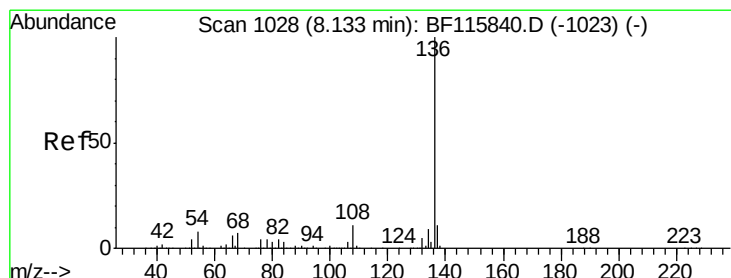
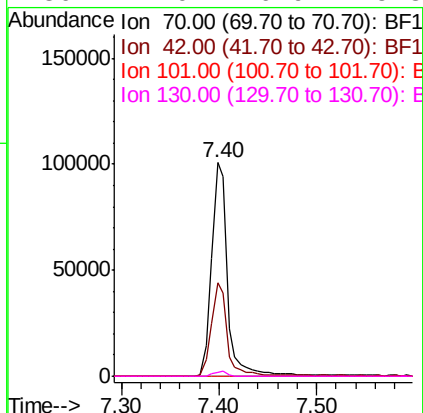
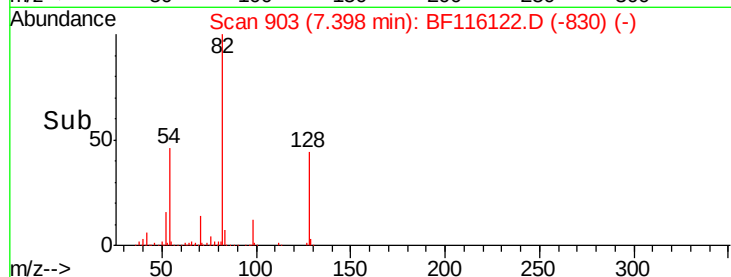
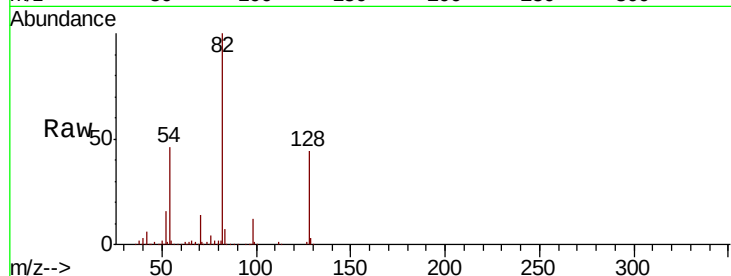




#19
n-Nitroso-di-n-propylamine
Concen: 18.283 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

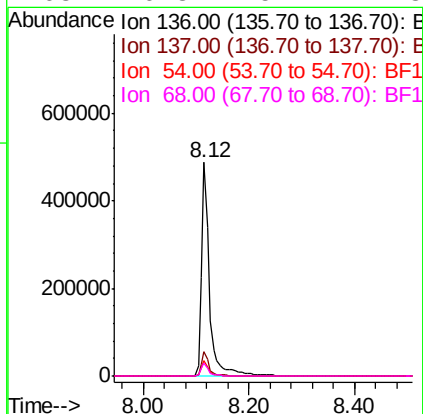
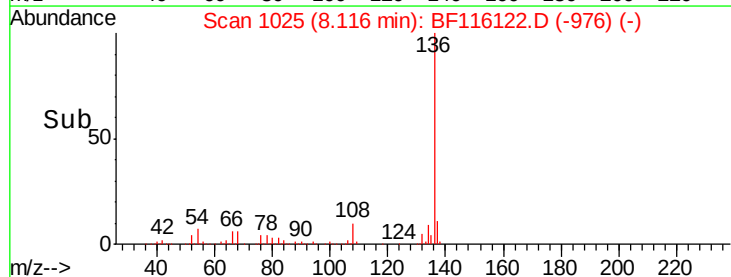
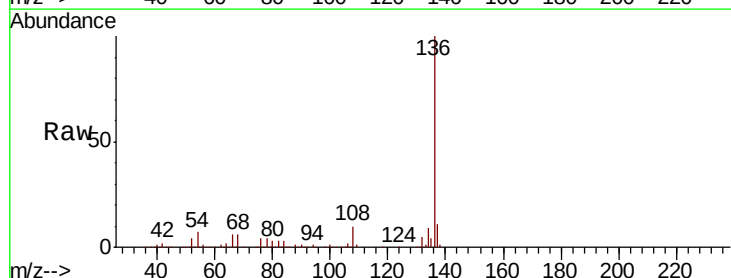
Instrument :
BNA_F
ClientSampleId :

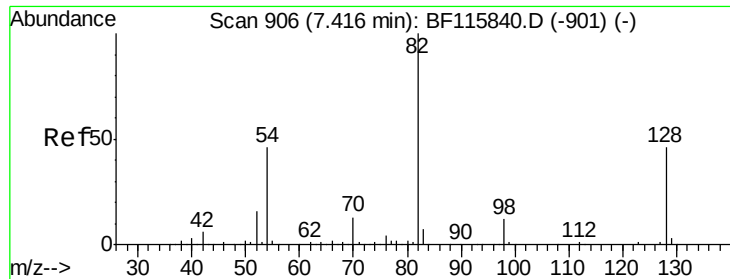
Tot Ion: 70 Resp: 115360
Ion Ratio Lower Upper
70 100
42 43.7 40.9 61.3
101 0.0 7.9 11.9#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion: 136 Resp: 514237
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 7.3 5.8 8.6
68 6.3 5.2 7.8

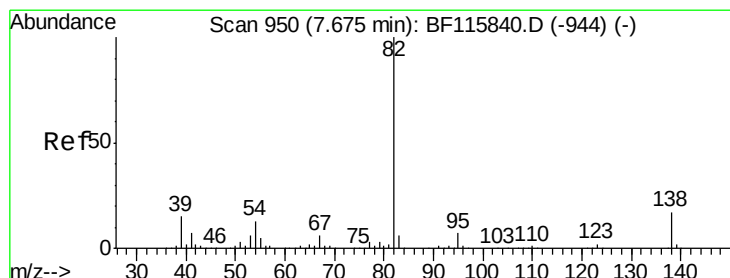
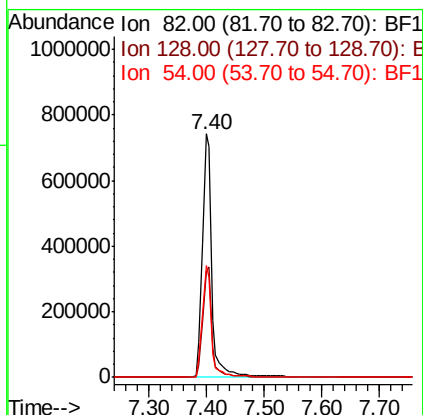
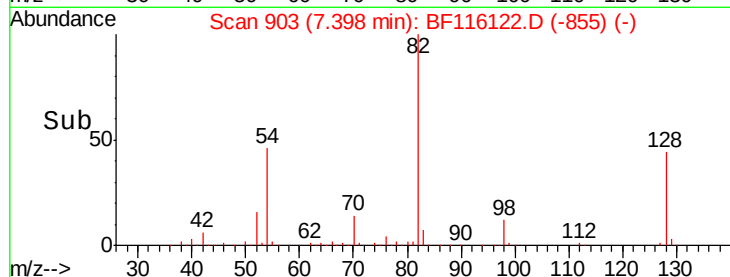
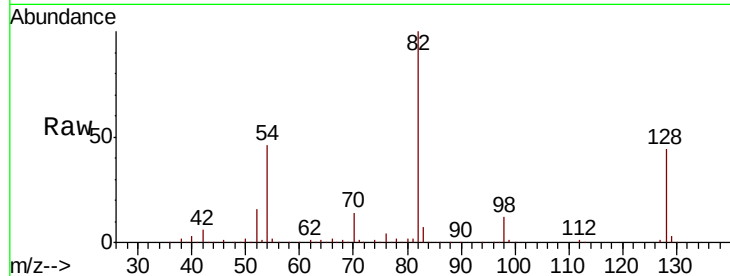




#23
 Nitrobenzene-d5
 Concen: 97.879 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

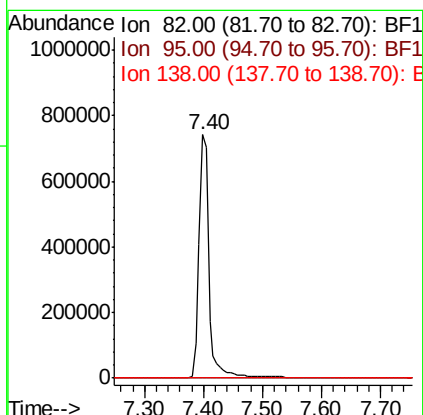
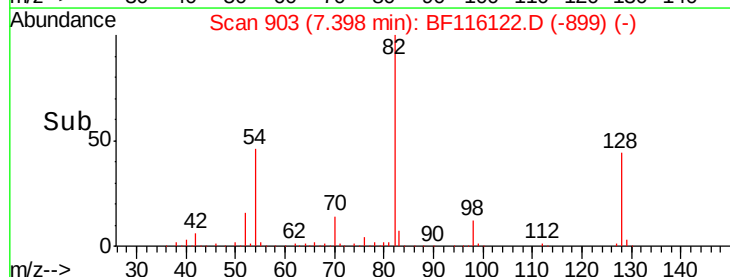
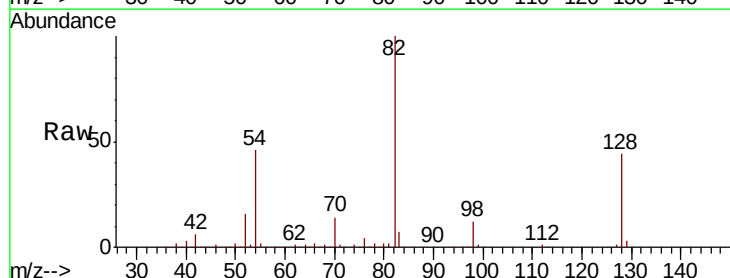
Instrument :
 BNA_F
 ClientSampled :

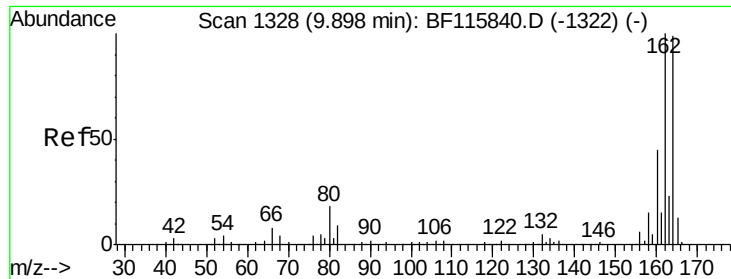
Tot Ion: 82 Resp: 871975
 Ion Ratio Lower Upper
 82 100
 128 43.5 36.5 54.7
 54 45.8 36.0 54.0



#25
 Isophorone
 Concen: 51.188 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Tgt Ion: 82 Resp: 871971
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.5 21.7#

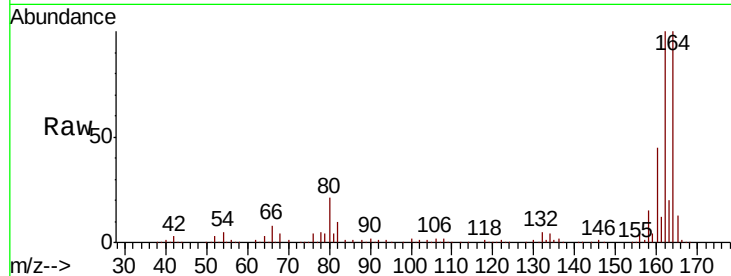




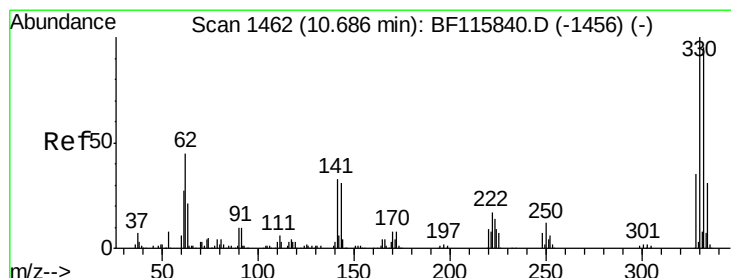
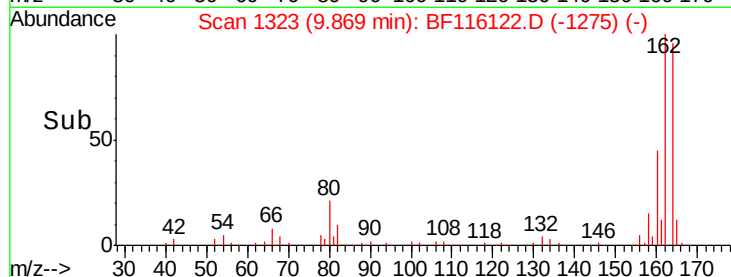
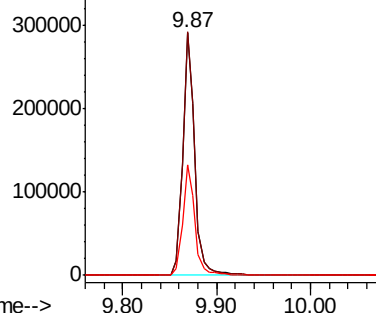
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 264139
Ion Ratio Lower Upper
164 100
162 100.5 82.6 124.0
160 45.4 37.6 56.4

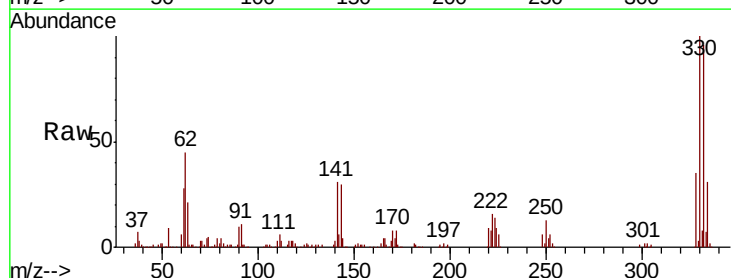


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

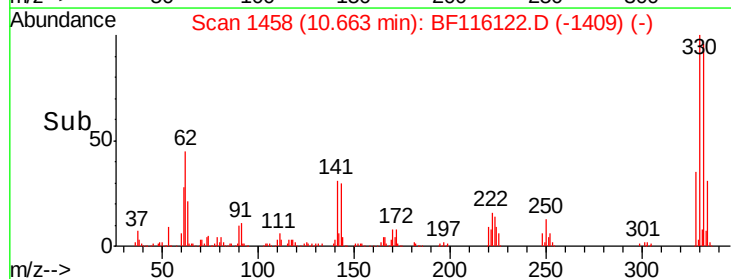
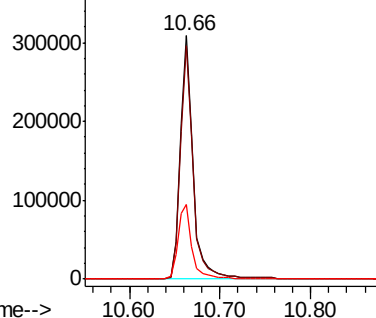


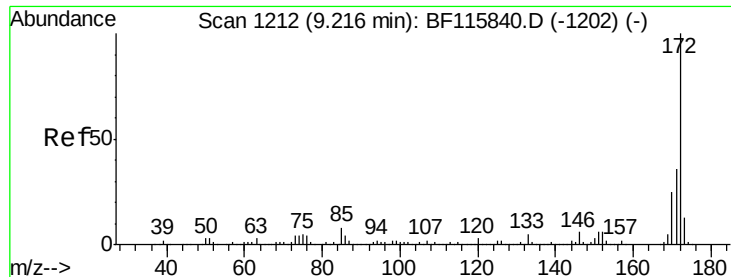
#42
2,4,6-Tribromophenol
Concen: 122.193 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:330 Resp: 312923
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 33.4 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

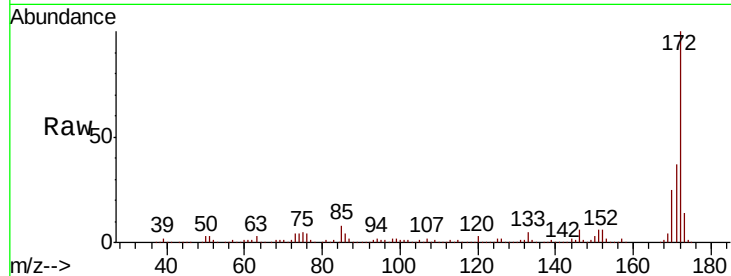




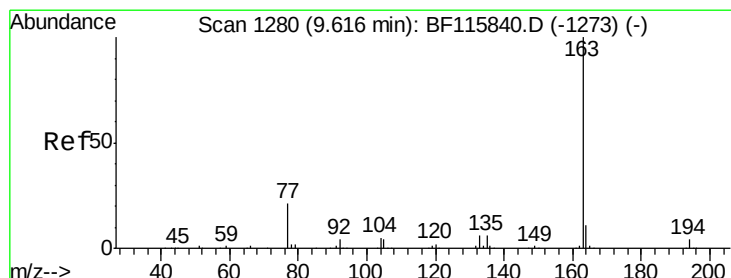
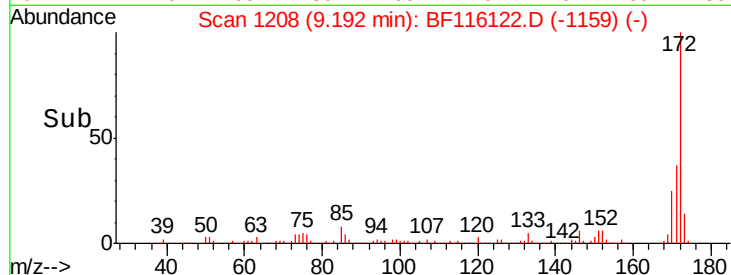
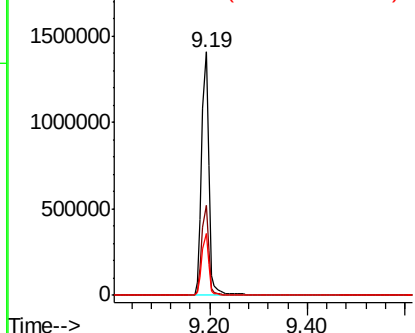
#45
2-Fluorobiphenyl
Concen: 102.800 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1449682
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 25.3 20.1 30.1

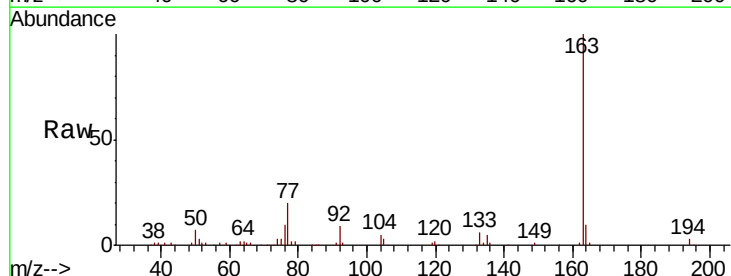


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

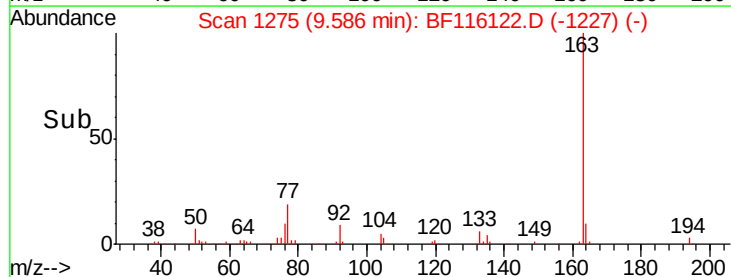
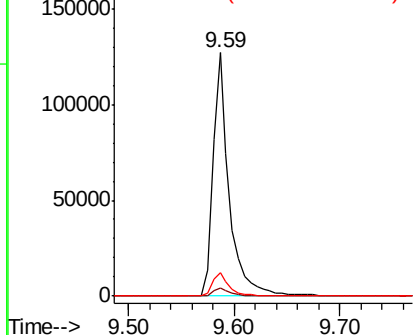


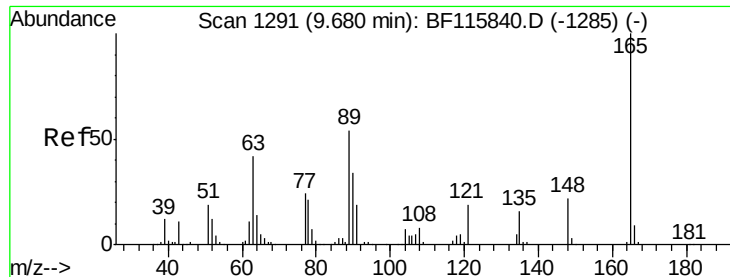
#50
Dimethylphthalate
Concen: 7.612 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:163 Resp: 136905
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.6
164 9.8 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

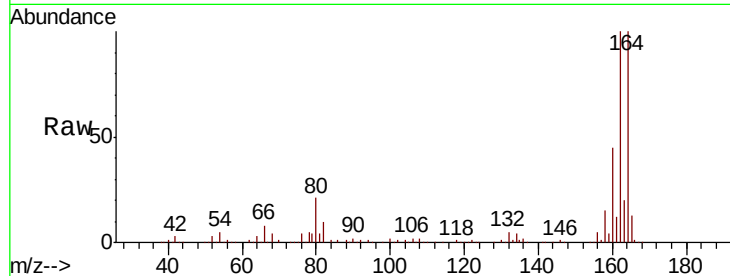




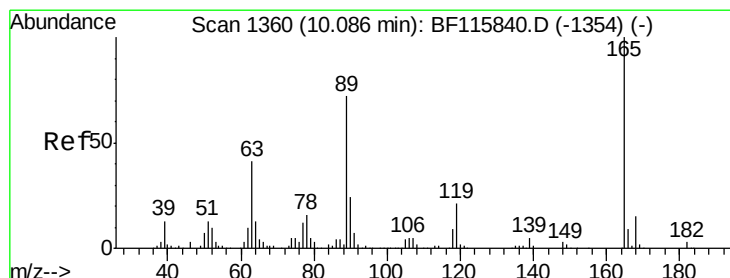
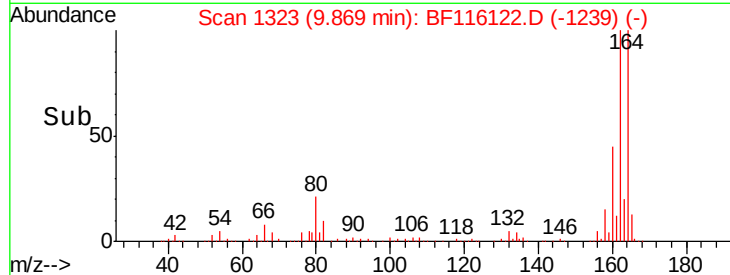
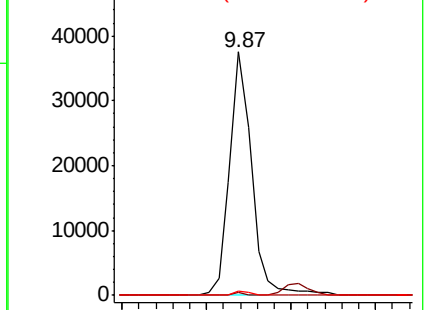
#51
 2,6-Dinitrotoluene
 Concen: 8.776 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.2	57.2#
89	1.6	42.9	64.3#

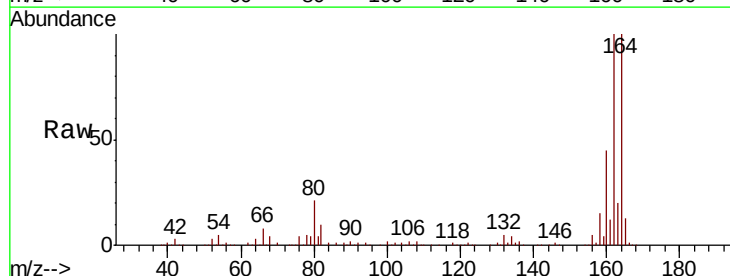


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

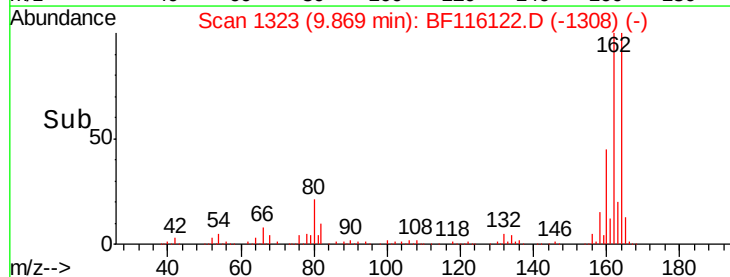
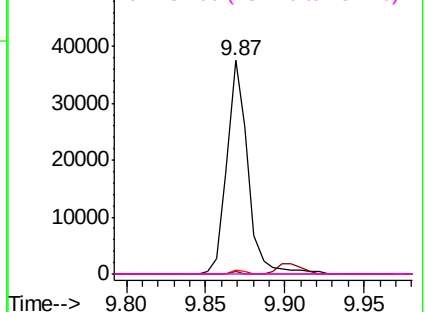


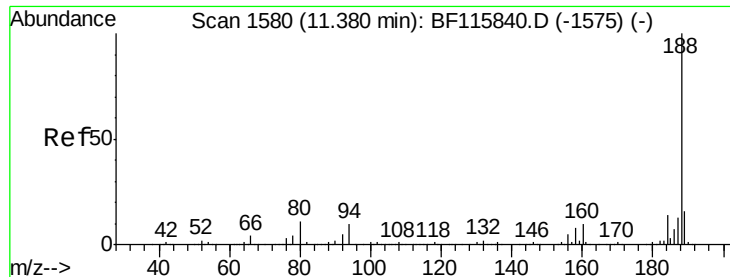
#57
 2,4-Dinitrotoluene
 Concen: 6.592 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	1.6	62.2	93.2#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

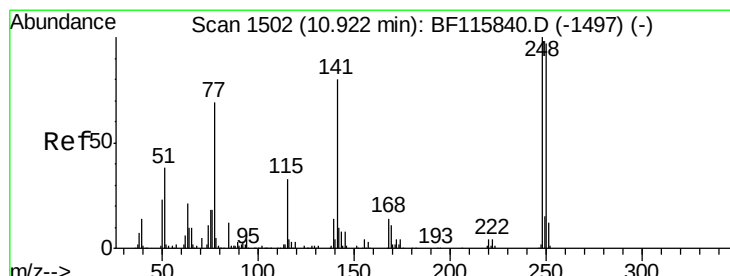
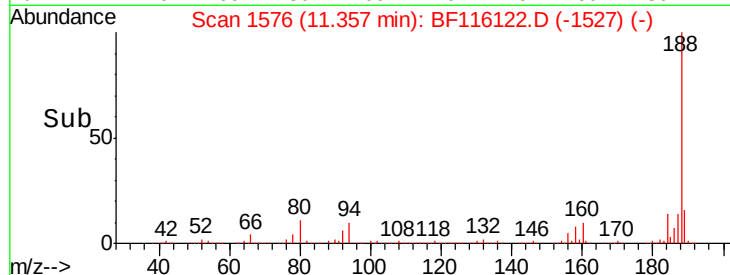
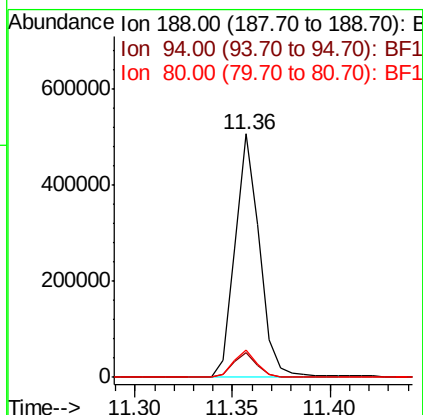
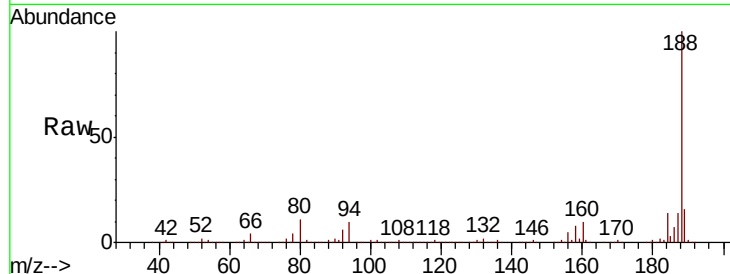




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

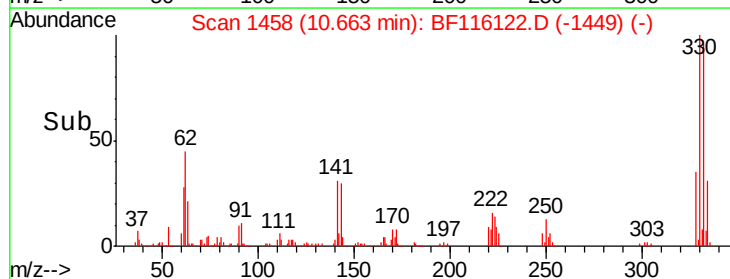
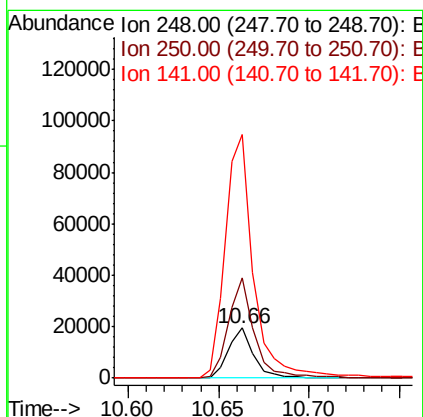
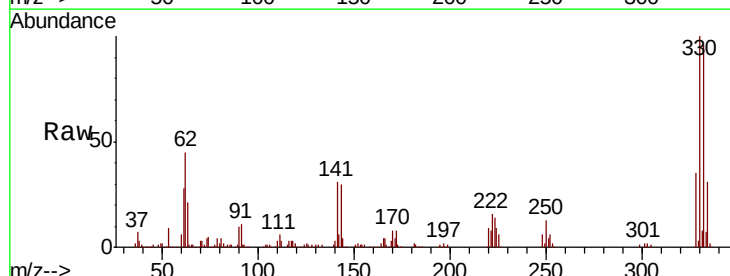
Instrument :
 BNA_F
 ClientSampleId :

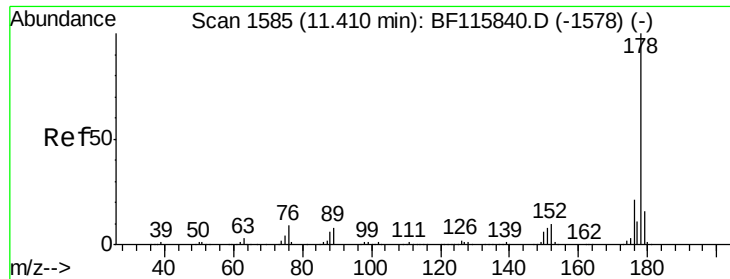
Tot Ion:188 Resp: 441547
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.1 12.1
 80 11.0 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.054 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Tgt Ion:248 Resp: 19162
 Ion Ratio Lower Upper
 248 100
 250 201.6 77.4 116.2#
 141 487.3 56.8 85.2#

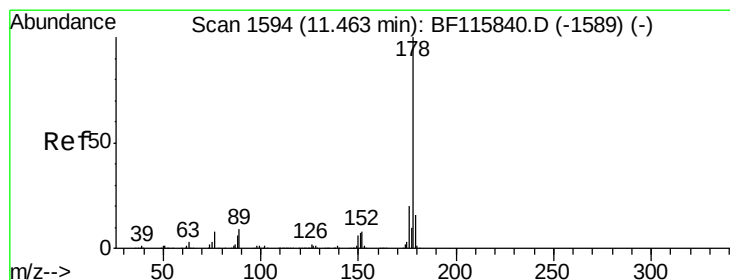
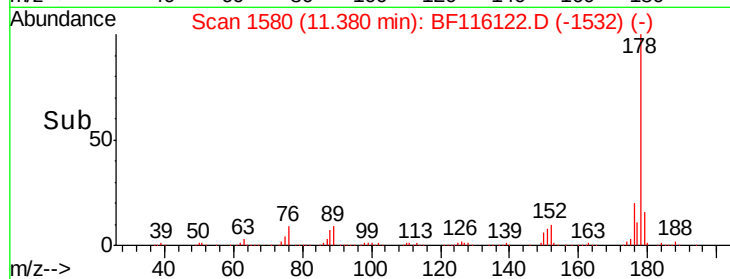
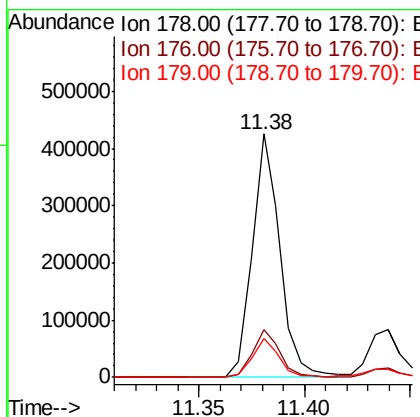
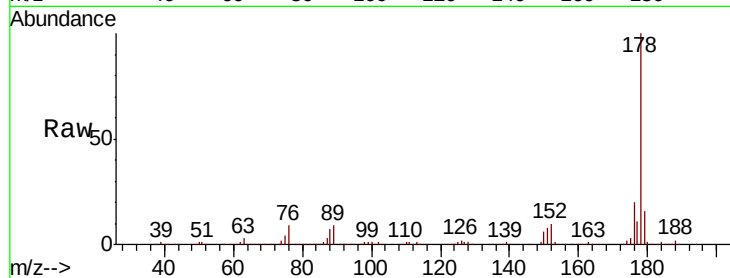




#71
Phenanthrene
Concen: 17.093 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

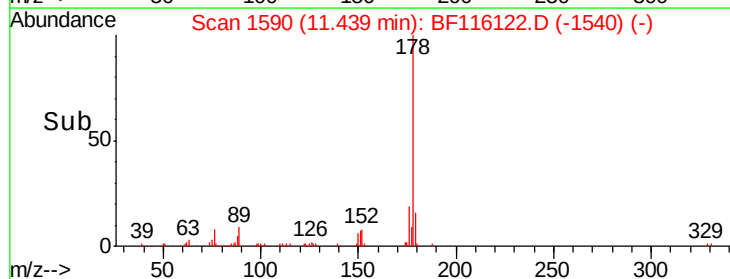
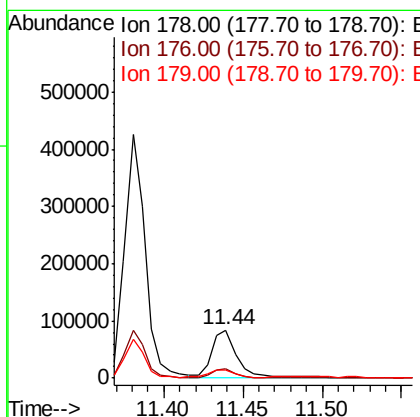
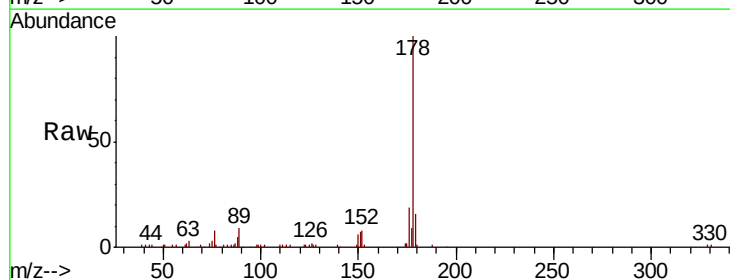
Instrument :
BNA_F
ClientSampleId :

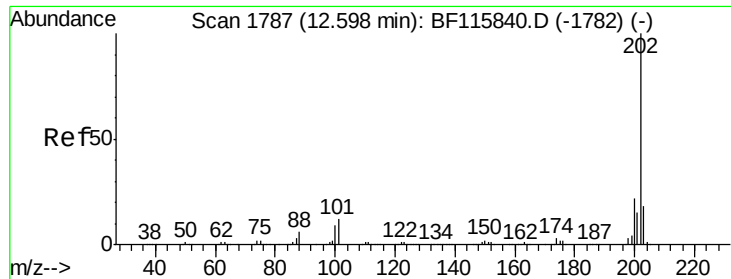
Tot Ion:178 Resp: 385842
Ion Ratio Lower Upper
178 100
176 19.7 16.6 24.8
179 15.8 12.5 18.7



#72
Anthracene
Concen: 4.090 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:178 Resp: 93443
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.8 13.0 19.6





#75

Fluoranthene

Concen: 14.978 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

ClientSampleId :

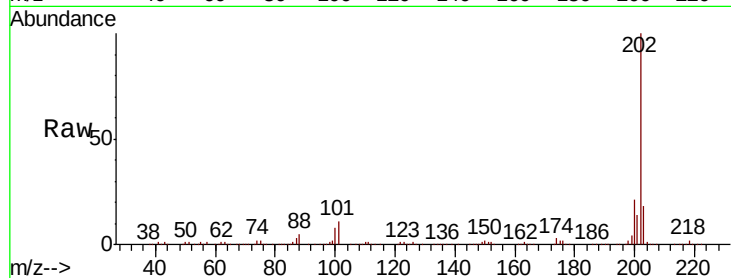
Tot Ion:202 Resp: 353943

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.2

203 17.5 0.0 37.8

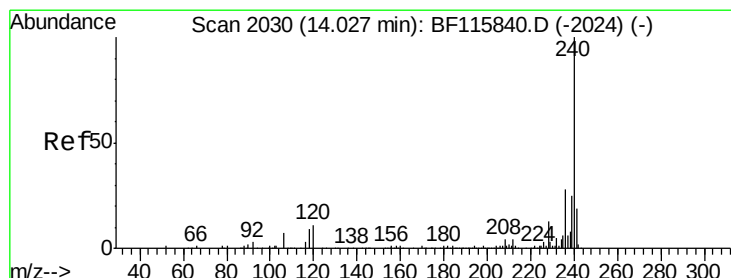
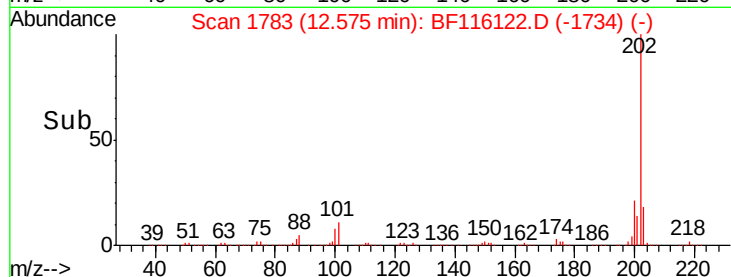
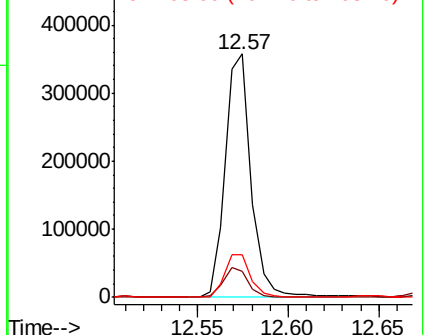


Abundance

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# 2025

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

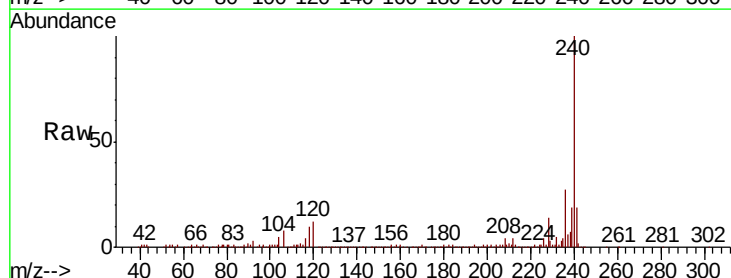
Tgt Ion:240 Resp: 301764

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 26.7 22.2 33.2

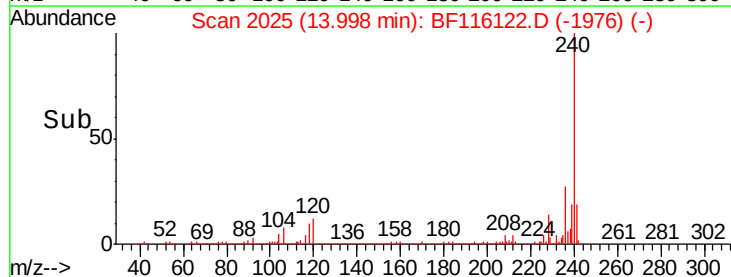
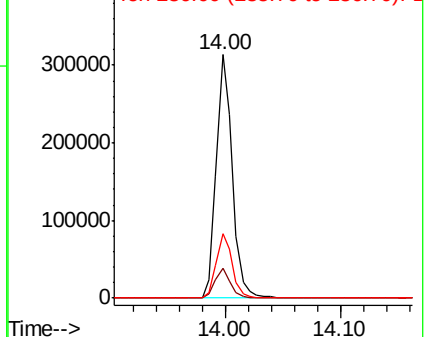


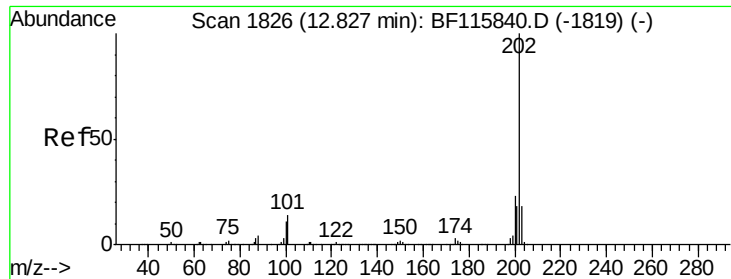
Abundance

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

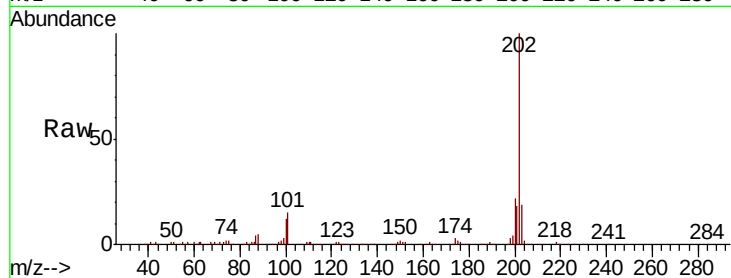




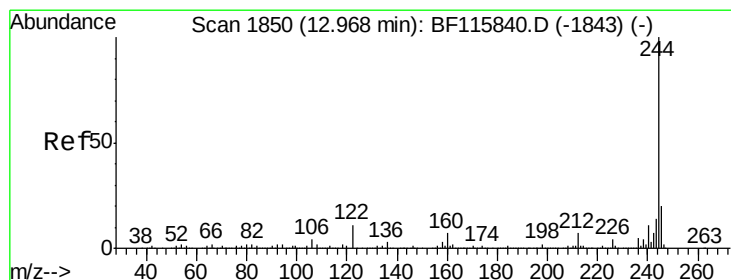
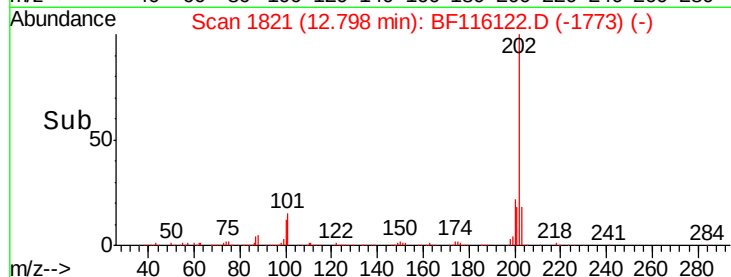
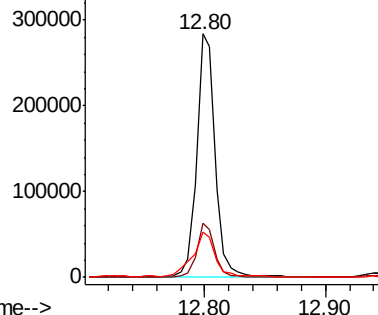
#78
Pvrene
Concen: 13.016 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 296084
Ion Ratio Lower Upper
202 100
200 22.1 18.0 27.0
203 18.7 14.1 21.1

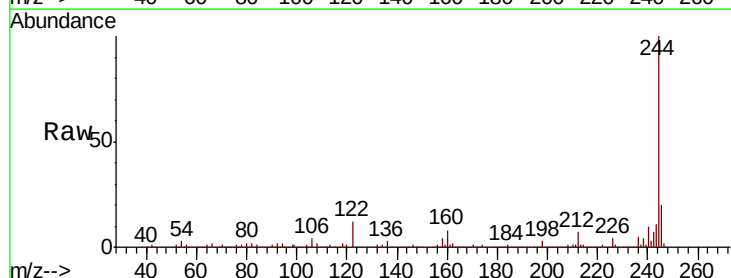


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

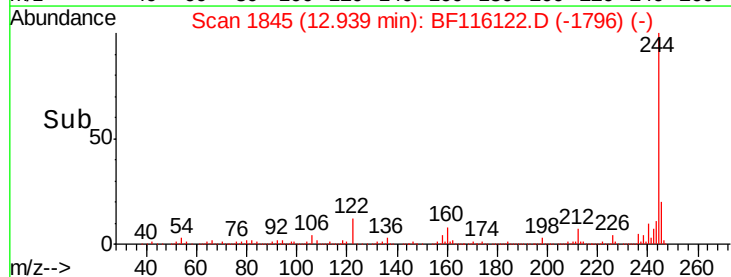
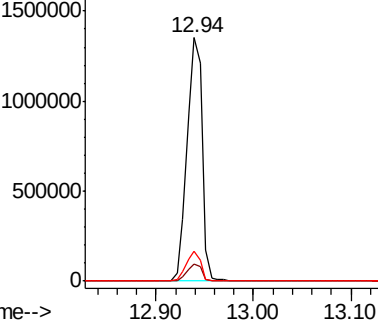


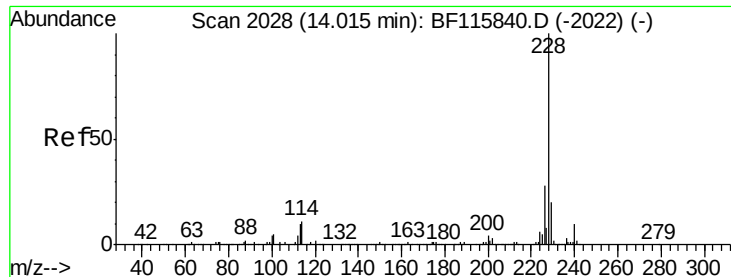
#79
Terphenyl-d14
Concen: 101.465 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:244 Resp: 1453071
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

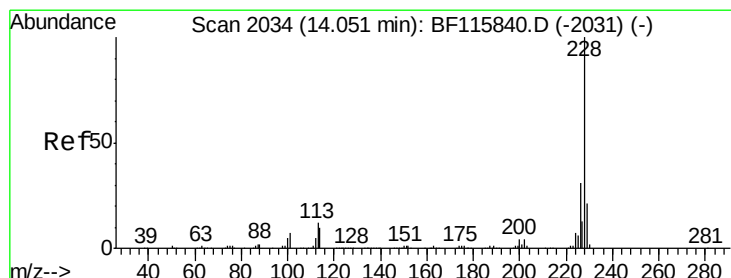
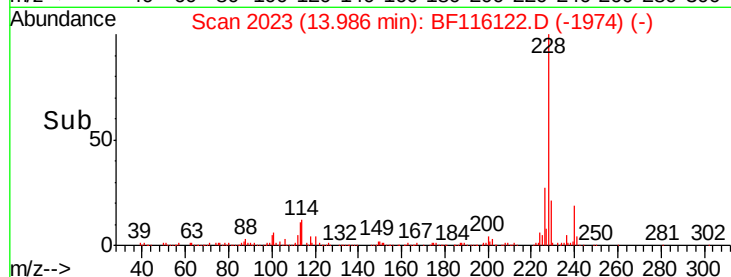
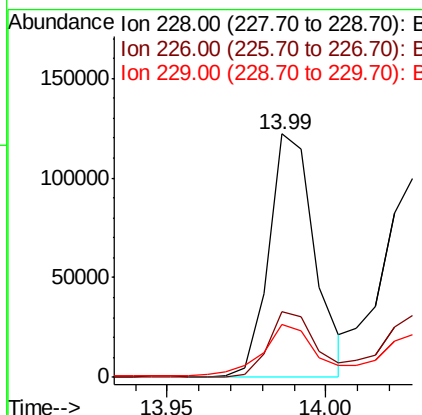
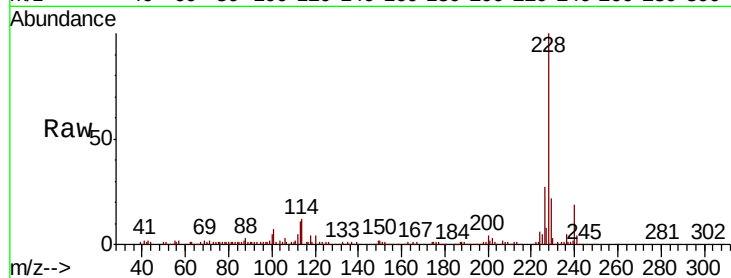




#81
Benzo(a)anthracene
Concen: 6.362 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

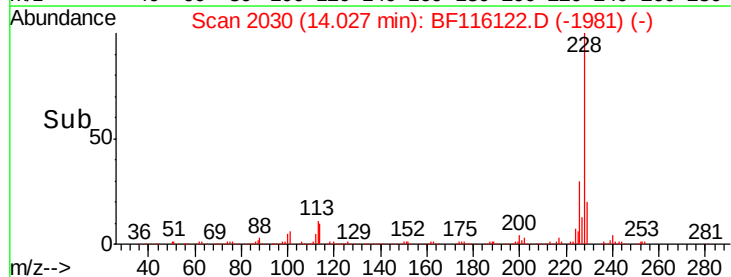
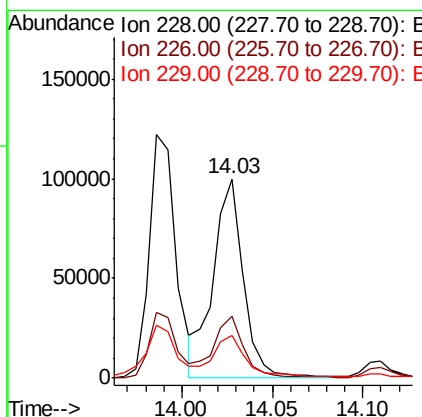
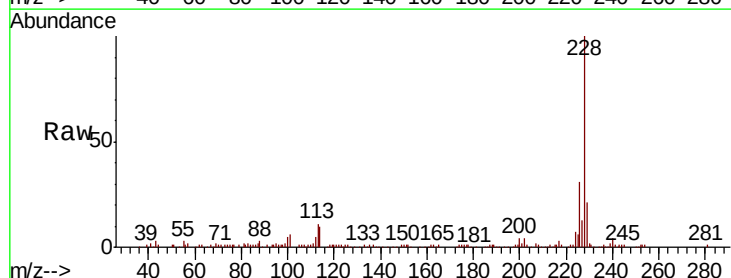
Instrument :
BNA_F
ClientSampleId :

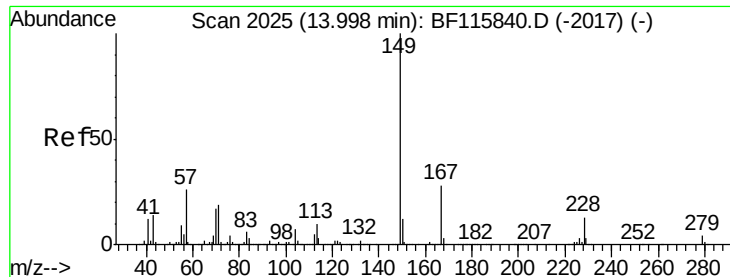
Tot Ion:228 Resp: 122714
Ion Ratio Lower Upper
228 100
226 27.2 22.7 34.1
229 21.6 16.2 24.4



#83
Chrysene
Concen: 6.148 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:228 Resp: 115129
Ion Ratio Lower Upper
228 100
226 31.0 25.5 38.3
229 21.3 16.6 24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 25.087 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

ClientSampleId :

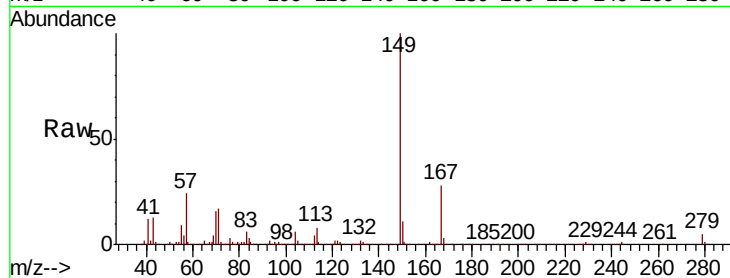
Tot Ion:149 Resp: 313695

Ion Ratio Lower Upper

149 100

167 27.6 21.6 32.4

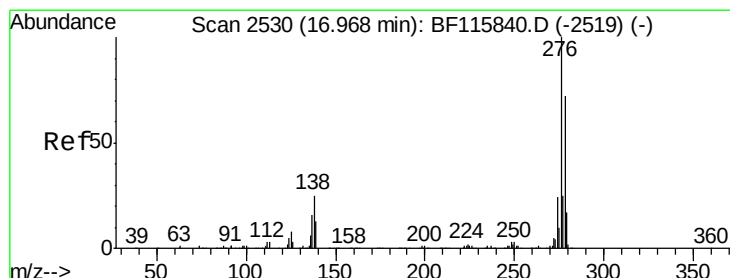
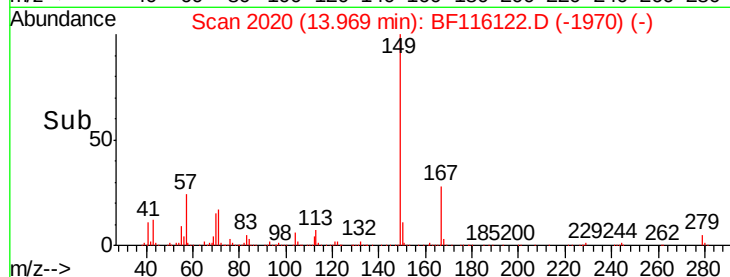
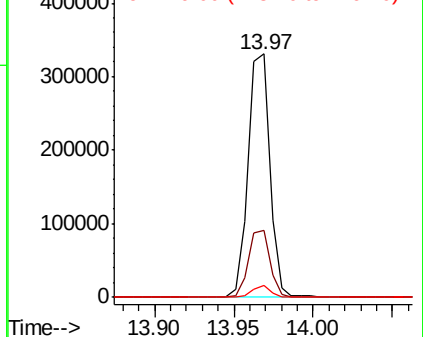
279 4.8 3.0 4.4#



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: 2.912 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

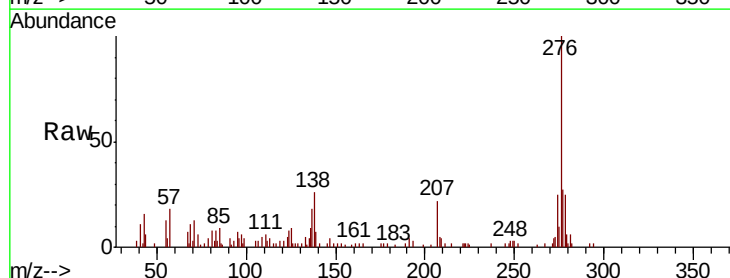
Tgt Ion:276 Resp: 45795

Ion Ratio Lower Upper

276 100

138 27.6 20.4 30.6

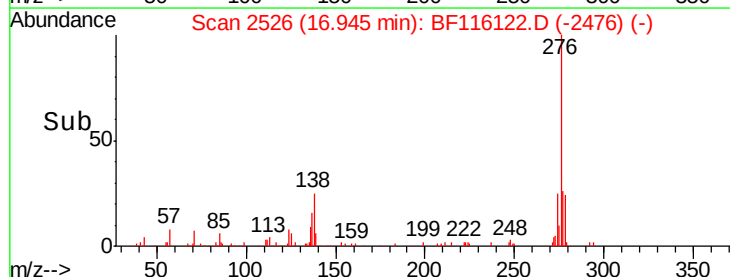
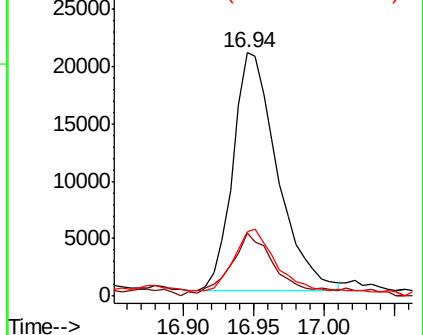
277 23.8 20.0 30.0

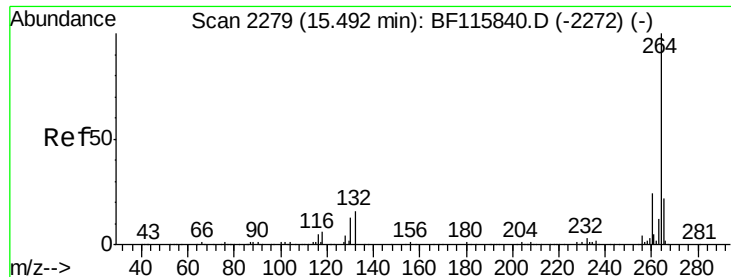


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

Instrument :

BNA_F

ClientSampleId :

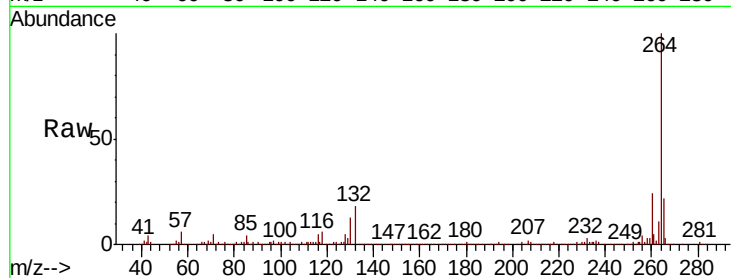
Tot Ion:264 Resp: 336664

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

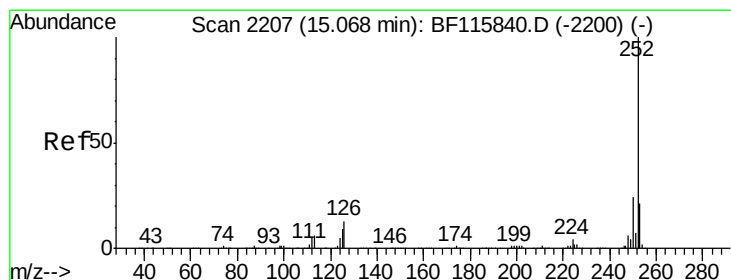
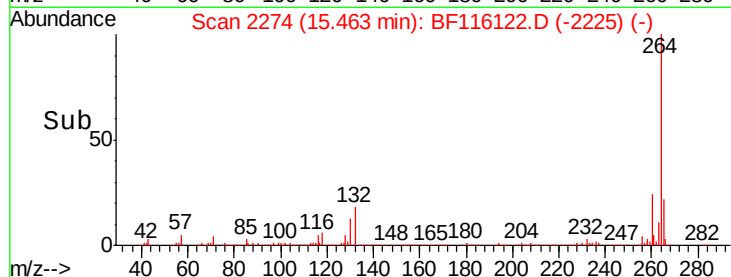
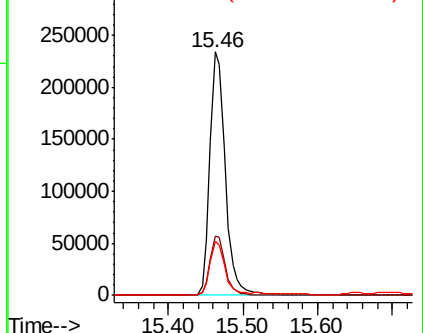
265 22.0 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.642 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116122.D

Acq: 9 Aug 2019 19:45

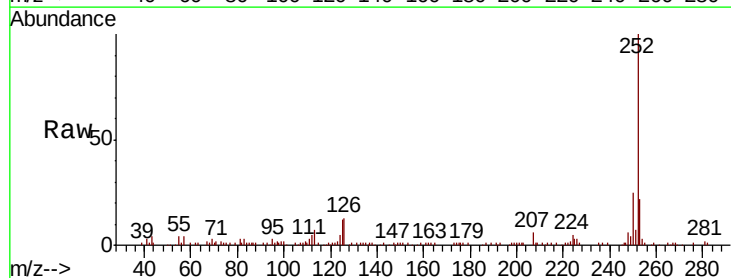
Tgt Ion:252 Resp: 148758

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

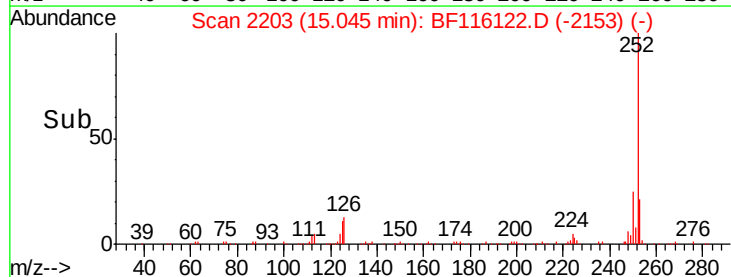
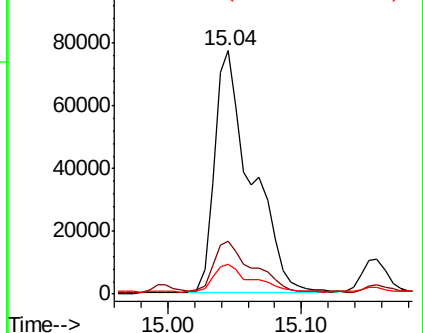
125 12.0 8.4 12.6

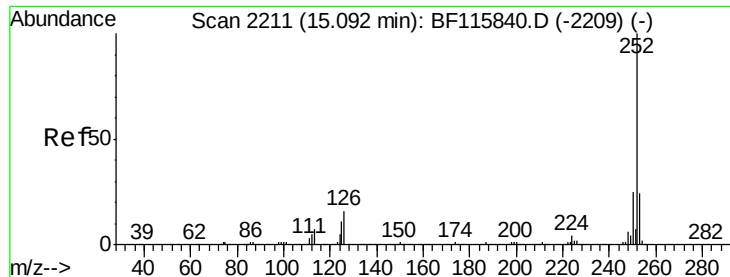


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

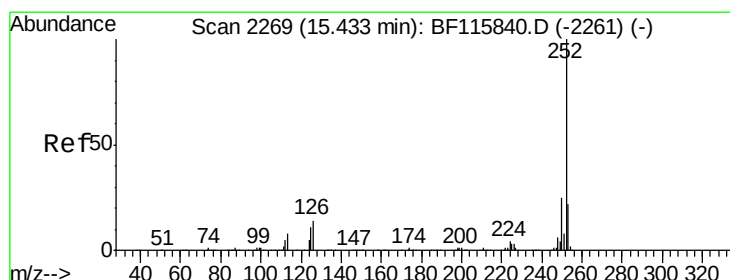
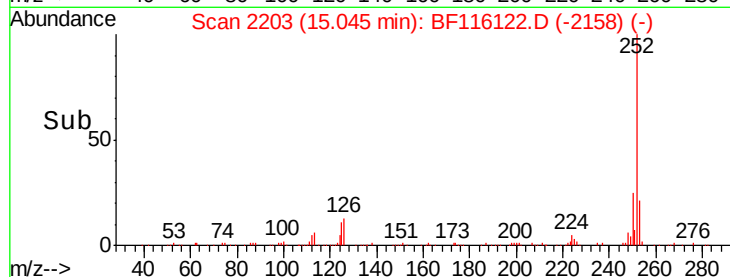
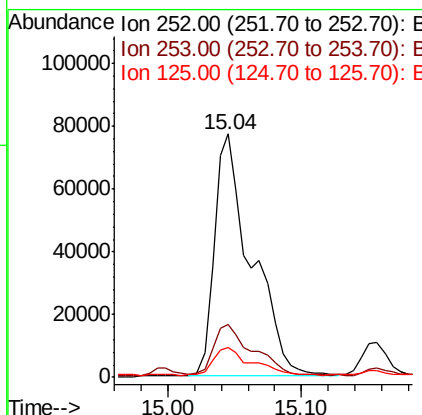
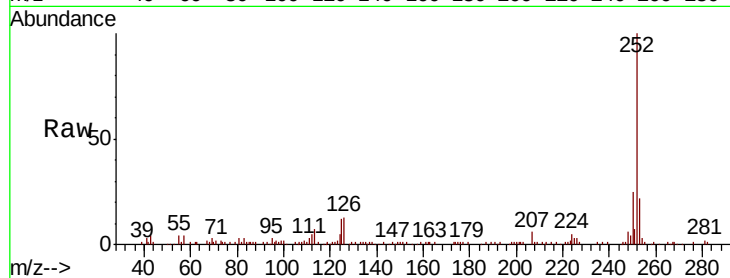




#89
Benzo(k)fluoranthene
Concen: 7.846 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

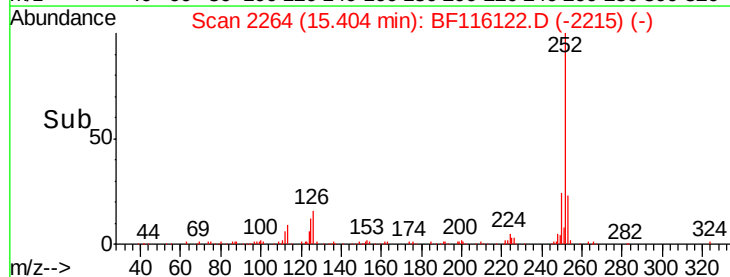
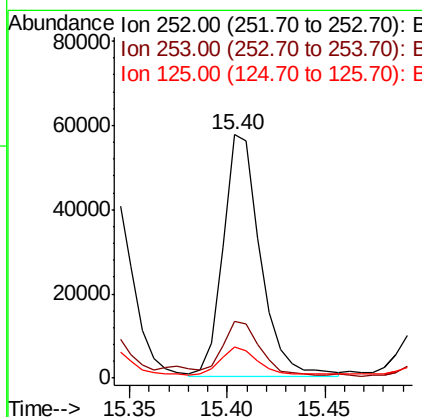
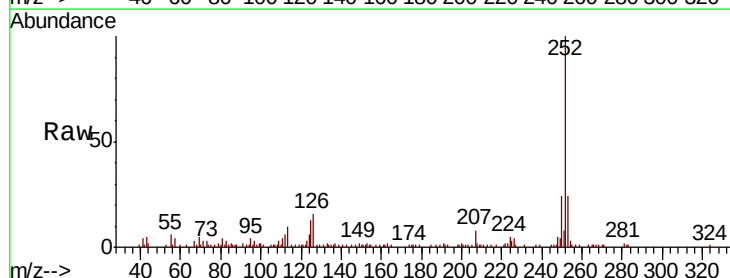
Instrument :
BNA_F
ClientSampleId :

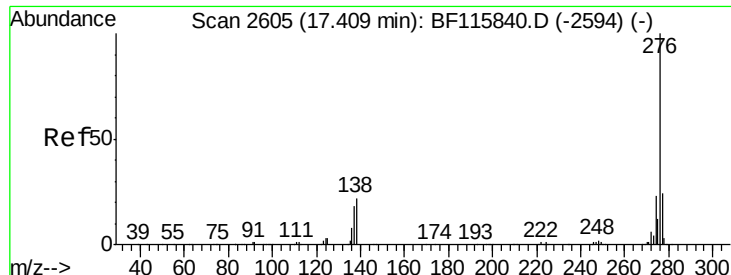
Tot Ion:252 Resp: 148758
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.0 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 4.390 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF116122.D
Acq: 9 Aug 2019 19:45

Tgt Ion:252 Resp: 76400
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 12.9 8.9 13.3

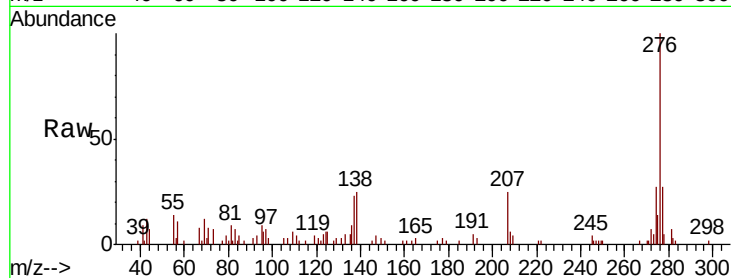




#92
 Benzo(a,h,i)perylene
 Concen: 3.079 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BF116122.D
 Acq: 9 Aug 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.4	27.6
138	25.0	17.0	25.6



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

