

Data File : BF118440.D
Acq On : 2 Jan 2020 17:26
Operator : JU
Sample : K6441-06DLRE 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

Quant Time: Jan 03 02:09:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	133036	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	539428	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	269348	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	440741	20.00	ng	0.00
76) Chrysene-d12	14.04	240	289642	20.00	ng	0.00
87) Perylene-d12	15.53	264	298846	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	94266	12.10	ng	0.00
7) Phenol-d6	6.49	99	127422	13.18	ng	0.00
23) Nitrobenzene-d5	7.42	82	68755	7.29	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	31245	9.39	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	161352	9.14	ng	-0.01
79) Terphenyl-d14	12.97	244	150878	8.64	ng	-0.01

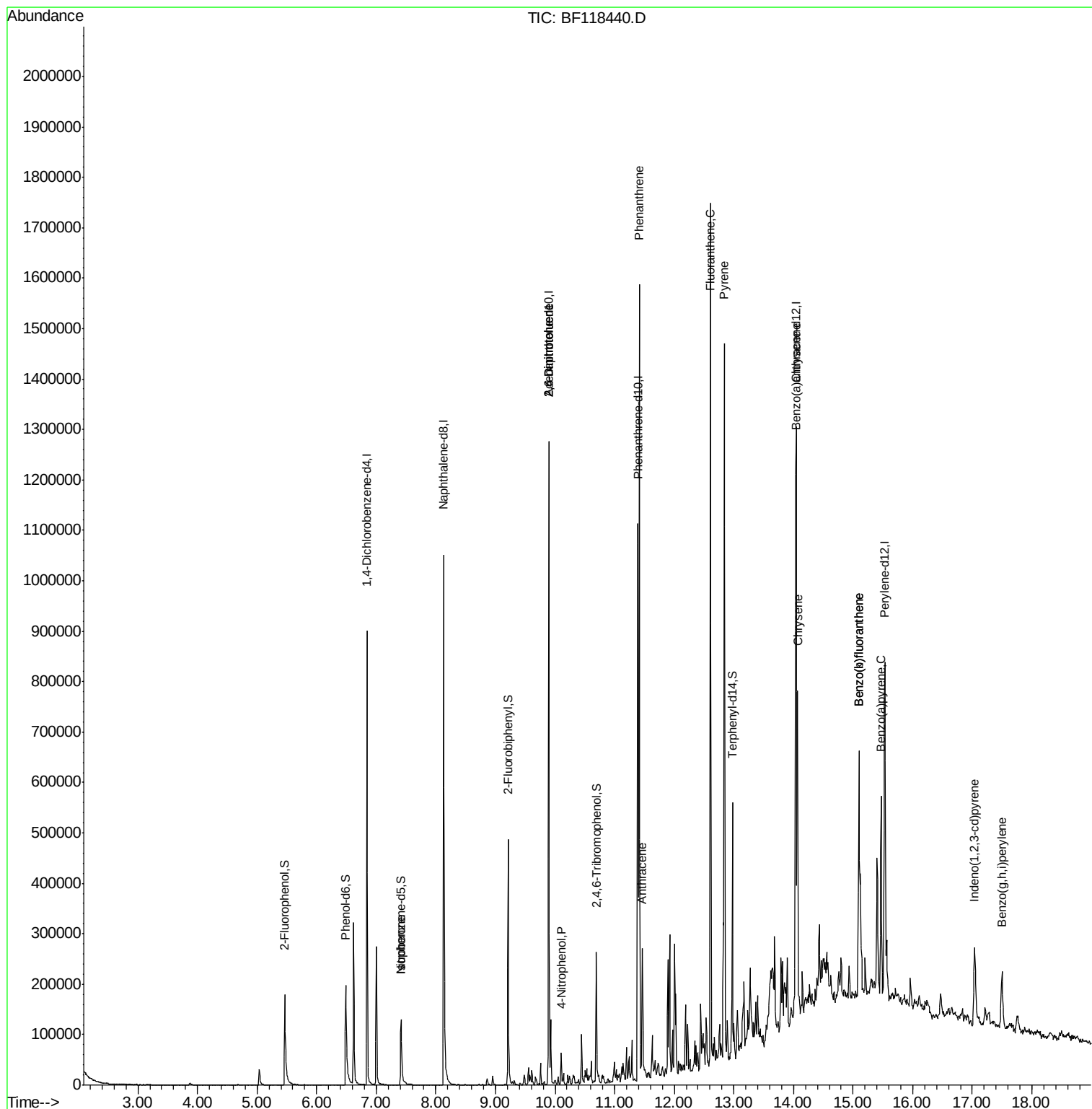
Target Compounds				Qvalue		
25) Isophorone	7.42	82	68755	4.183	ng	# 62
51) 2,6-Dinitrotoluene	9.89	165	35860	8.227	ng	# 26
56) 4-Nitrophenol	10.10	139	10570	3.347	ng	# 6
57) 2,4-Dinitrotoluene	9.89	165	35860	6.157	ng	# 29
71) Phenanthrene	11.42	178	574533	23.912	ng	99
72) Anthracene	11.47	178	122326	5.086	ng	97
75) Fluoranthene	12.61	202	610580	25.180	ng	98
78) Pyrene	12.84	202	552577	23.362	ng	99
81) Benzo(a)anthracene	14.03	228	257558	12.704	ng	98
83) Chrysene	14.07	228	221197	11.394	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	95424	5.769	ng	95
88) Benzo(b)fluoranthene	15.10	252	343028	17.292	ng	# 97
89) Benzo(k)fluoranthene	15.10	252	343028	18.009	ng	98
90) Benzo(a)pyrene	15.47	252	186972	10.699	ng	98
92) Benzo(g,h,i)perylene	17.50	276	88894	6.068	ng	97

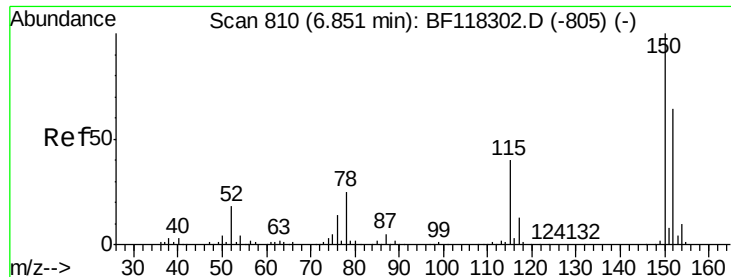
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF118440.D
Acq On : 2 Jan 2020 17:26
Operator : JU
Sample : K6441-06DLRE 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

Quant Time: Jan 03 02:09:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration



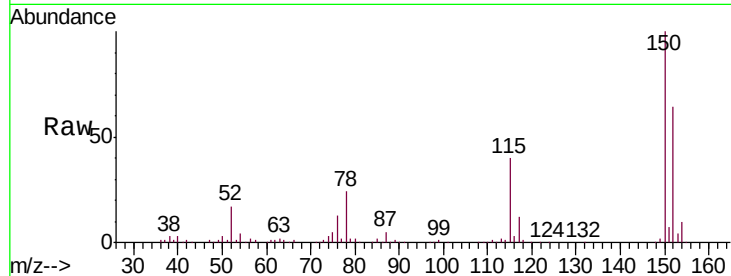


#1

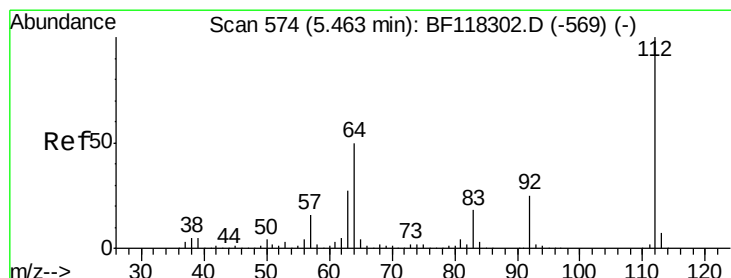
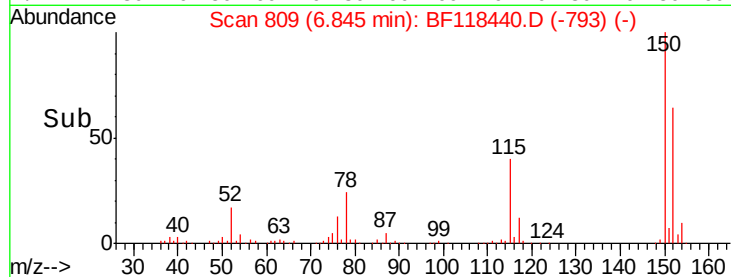
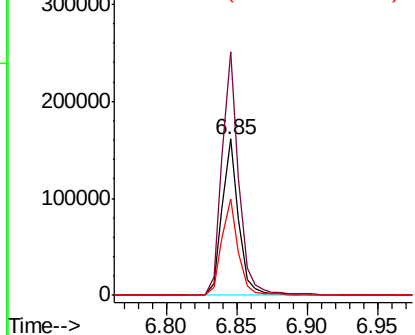
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

Tgt Ion:152 Resp: 133036
Ion Ratio Lower Upper
152 100
150 156.0 125.4 188.2
115 61.6 50.2 75.4



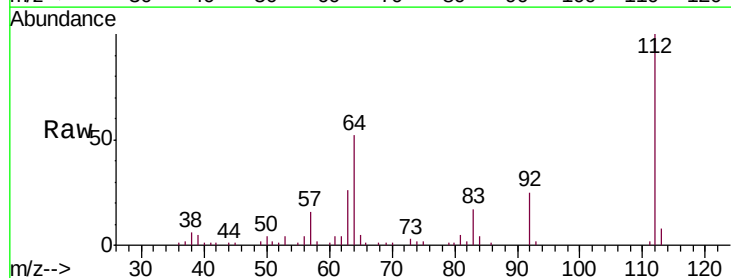
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



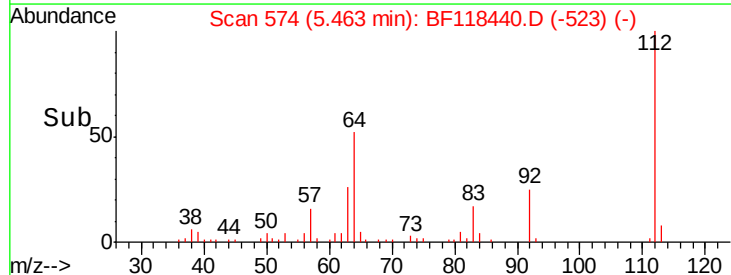
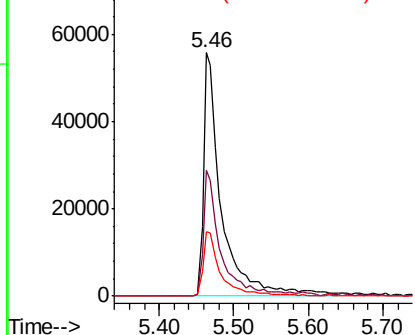
#5

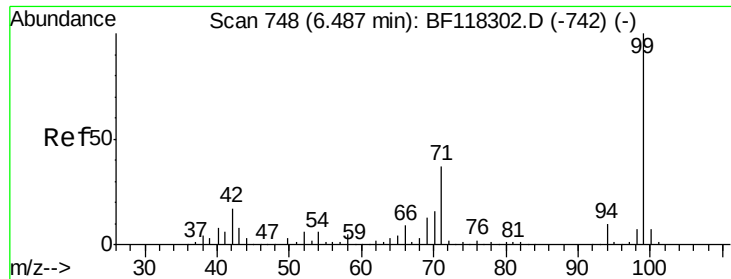
2-Fluorophenol
Concen: 12.095 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Tgt Ion:112 Resp: 94266
Ion Ratio Lower Upper
112 100
64 51.6 39.7 59.5
63 26.4 21.7 32.5



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: 13.180 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

Instrument :

BNA_F

ClientSampleId :

K321-WC-01DL

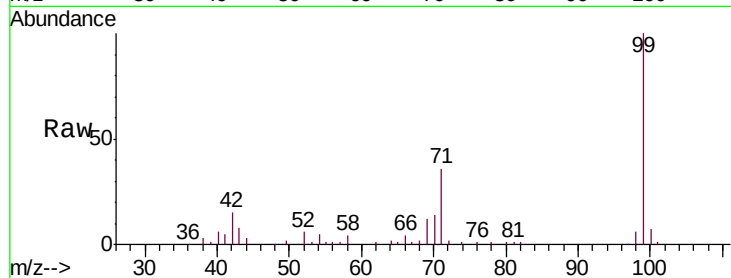
Tgt Ion: 99 Resp: 127422

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

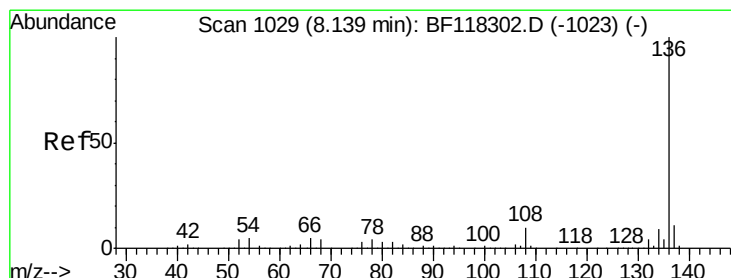
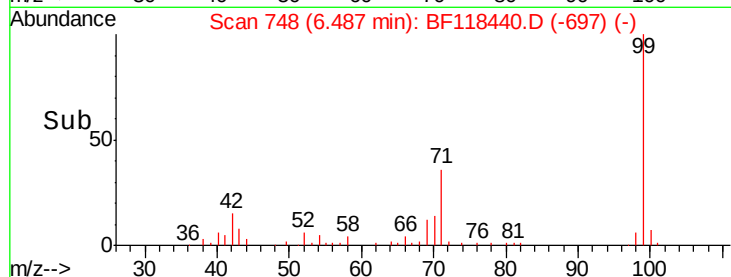
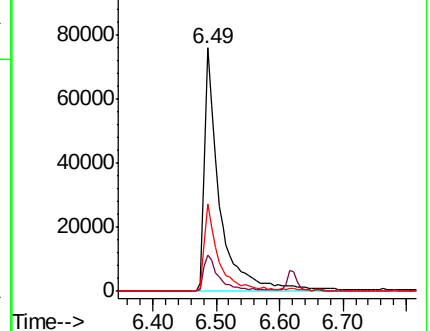
71 35.8 29.4 44.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

Tgt Ion: 136 Resp: 539428

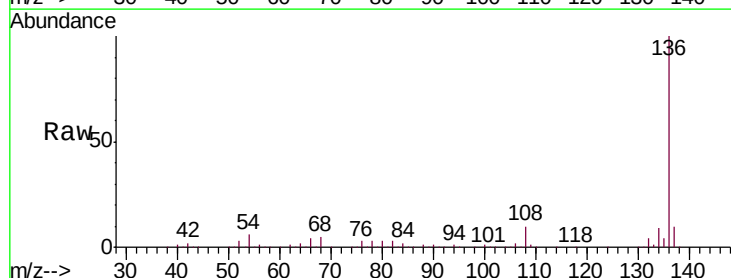
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 5.6 4.2 6.4

68 4.8 3.5 5.3

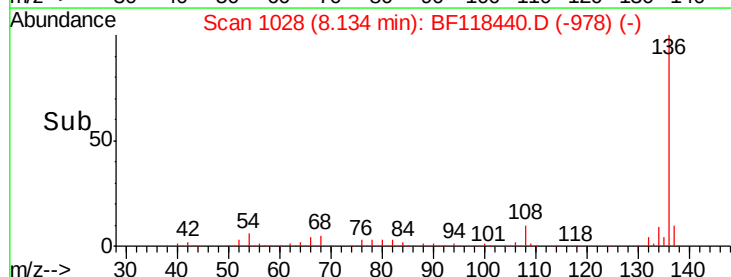
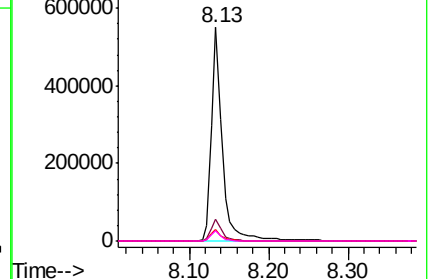


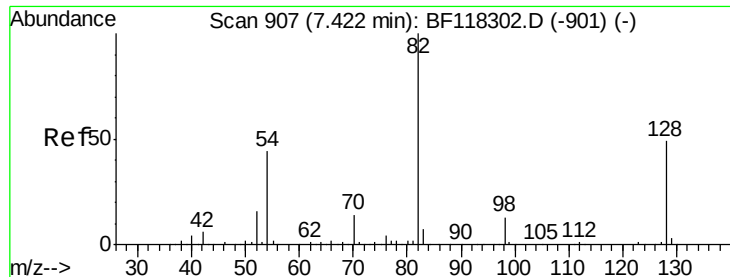
Abundance Ion 136.00 (135.70 to 136.70): E

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

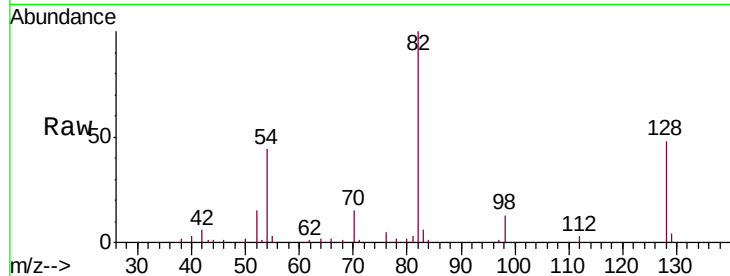




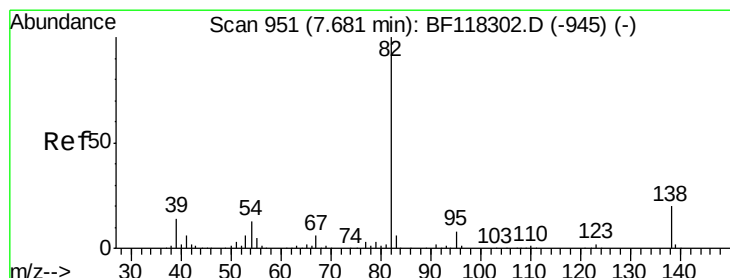
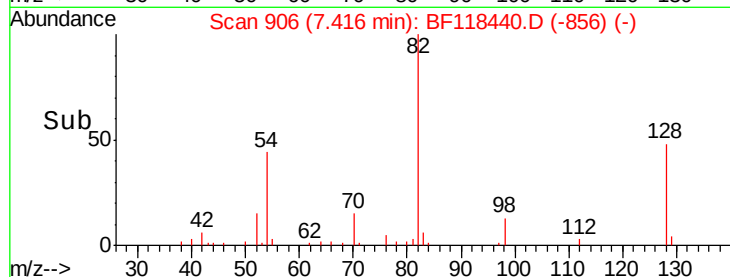
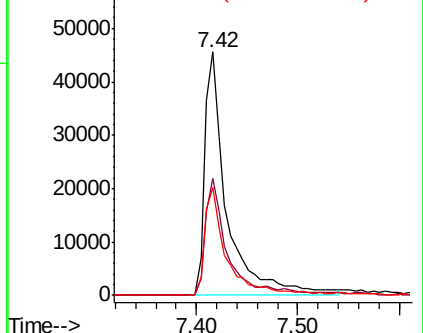
#23
 Nitrobenzene-d5
 Concen: 7.290 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF118440.D
 Acq: 2 Jan 2020 17:26

Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-01DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.8	39.6	59.4
54	44.1	34.9	52.3

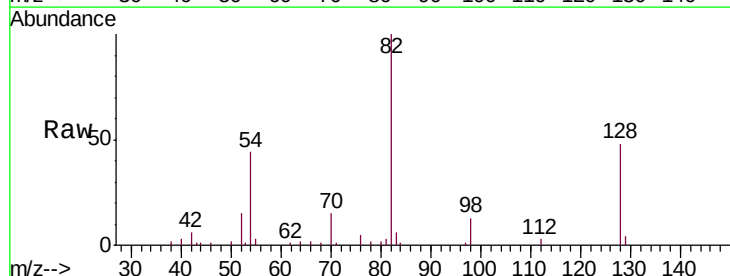


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

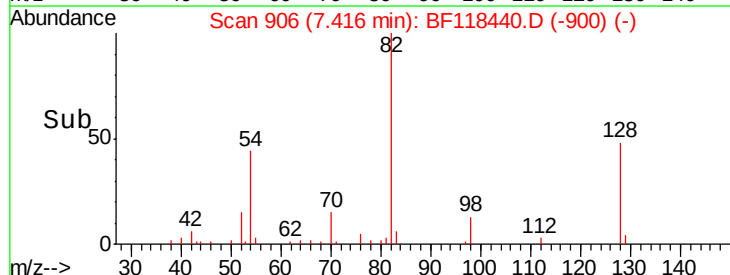
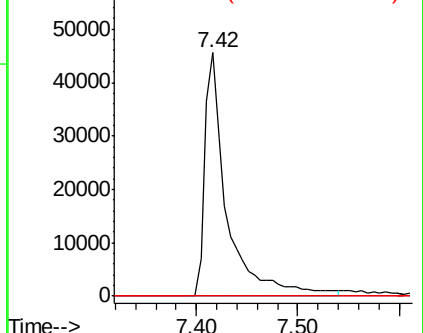


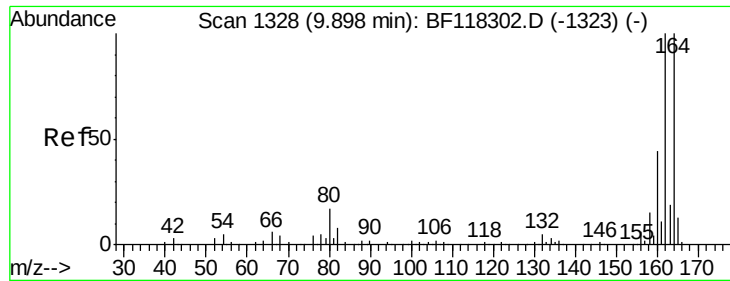
#25
 Isophorone
 Concen: 4.183 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.26 min
 Lab File: BF118440.D
 Acq: 2 Jan 2020 17:26

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.3	9.5#
138	0.0	16.2	24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

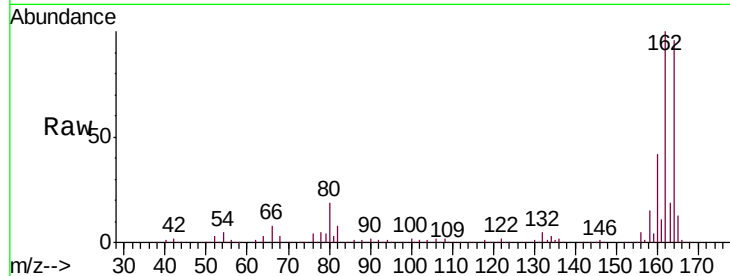




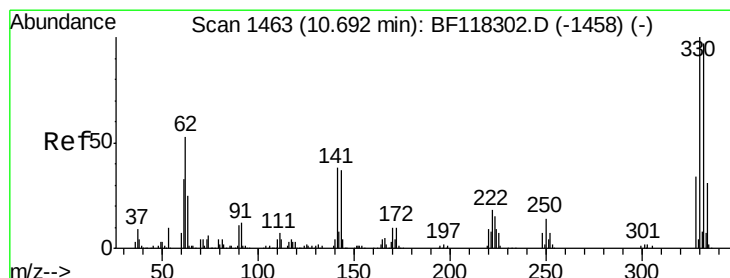
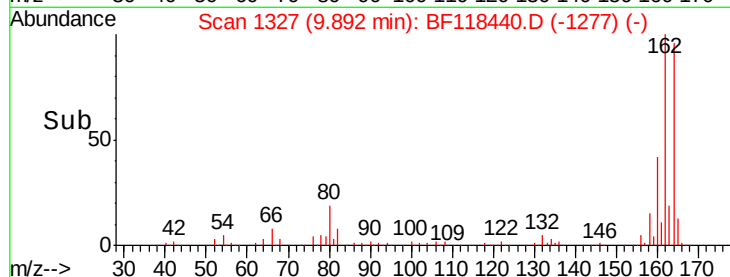
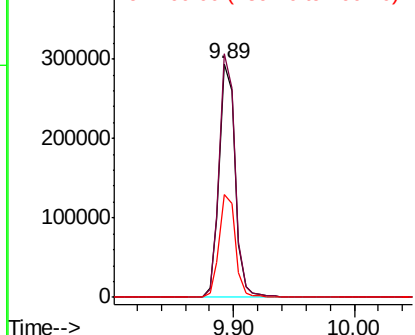
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF118440.D
 Acq: 2 Jan 2020 17:26

Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-01DL

Tgt Ion:164 Resp: 269348
 Ion Ratio Lower Upper
 164 100
 162 104.1 80.0 120.0
 160 44.1 34.8 52.2

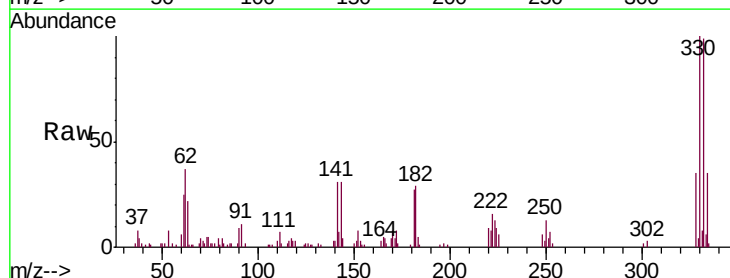


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

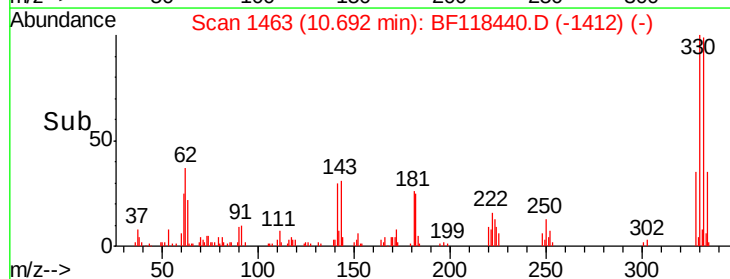
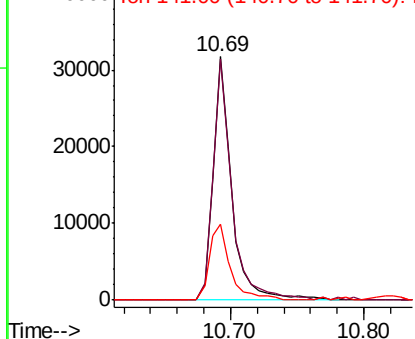


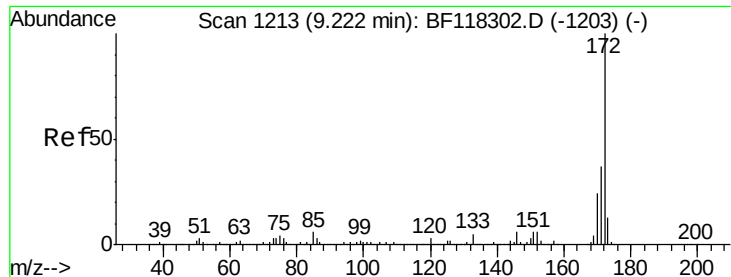
#42
 2,4,6-Tribromophenol
 Concen: 9.393 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118440.D
 Acq: 2 Jan 2020 17:26

Tgt Ion:330 Resp: 31245
 Ion Ratio Lower Upper
 330 100
 332 99.8 76.6 114.8
 141 34.7 26.0 39.0



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

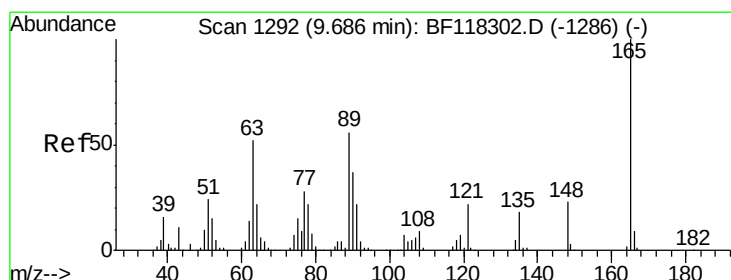
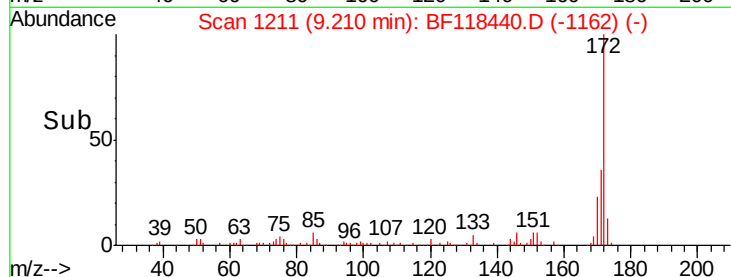
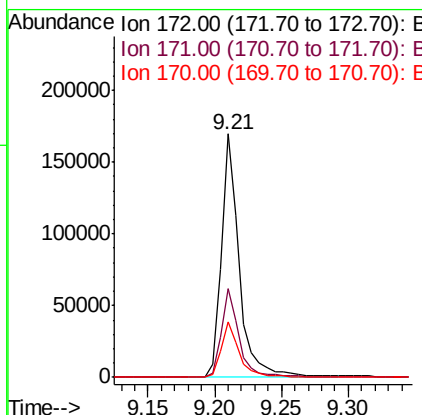
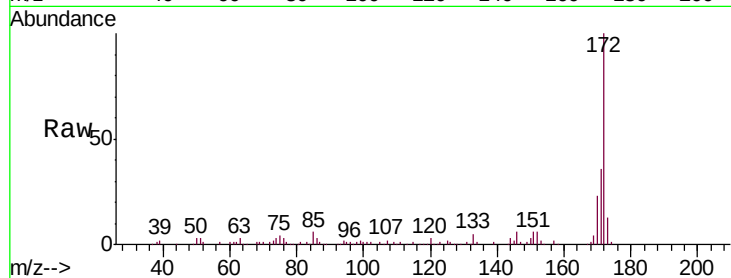




#45
2-Fluorobiphenyl
Concen: 9.144 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

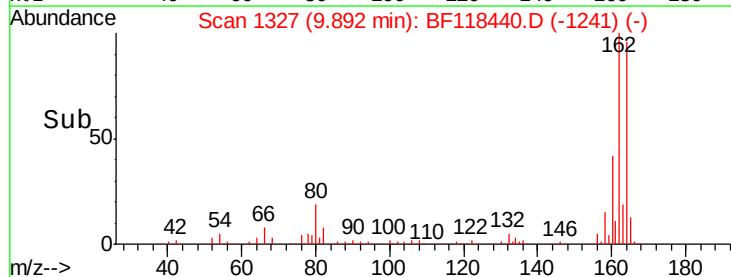
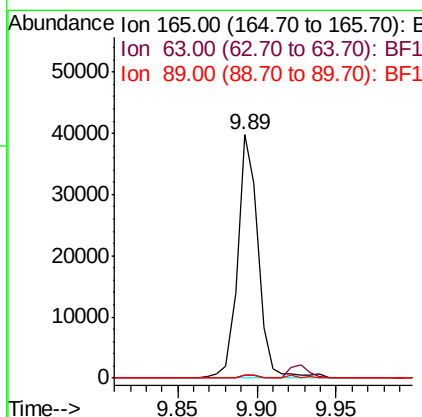
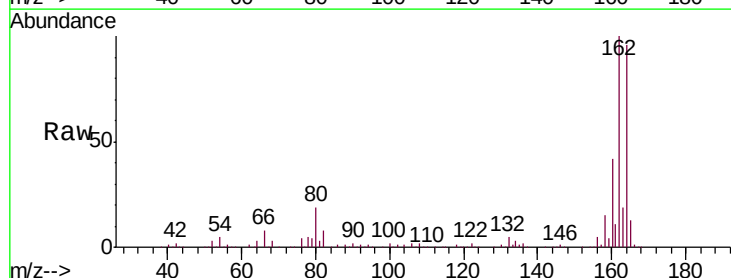
Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

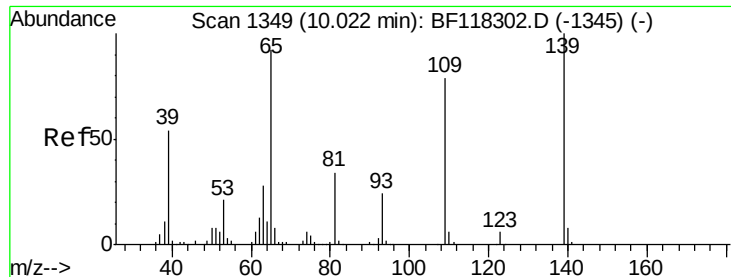
Tgt Ion:172 Resp: 161352
Ion Ratio Lower Upper
172 100
171 36.3 29.3 43.9
170 22.9 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.227 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Tgt Ion:165 Resp: 35860
Ion Ratio Lower Upper
165 100
63 1.0 42.2 63.4#
89 1.4 44.4 66.6#

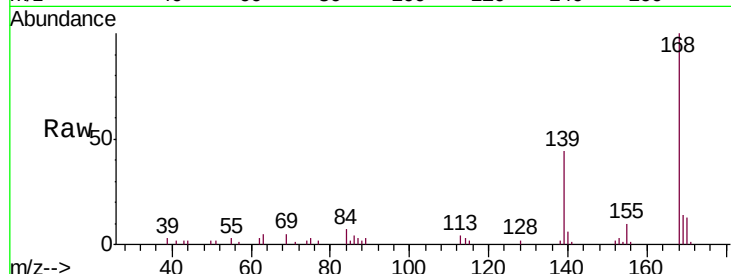




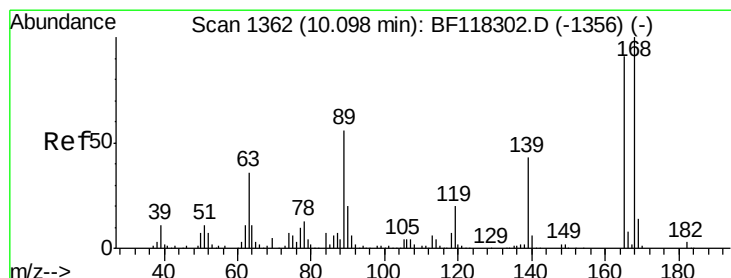
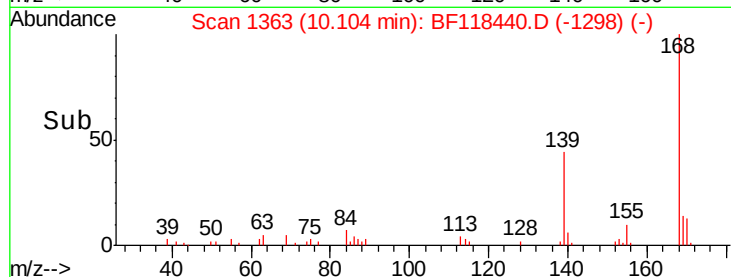
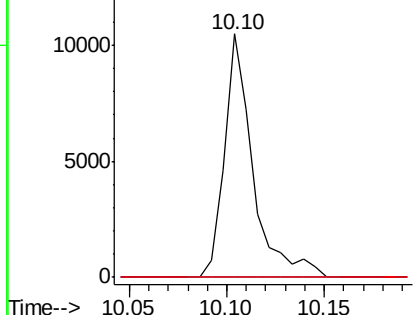
#56
4-Nitrophenol
Concen: 3.347 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

Tgt Ion:139 Resp: 10570
Ion Ratio Lower Upper
139 100
109 0.0 59.3 99.3#
65 0.0 72.4 112.4#

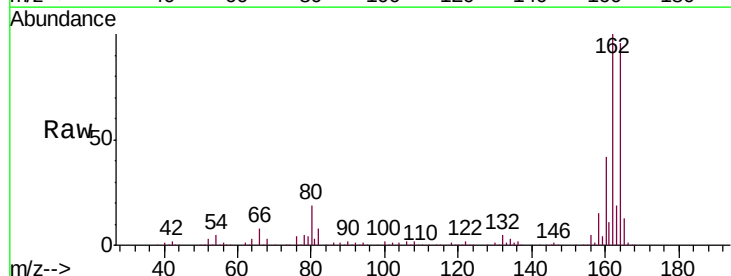


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

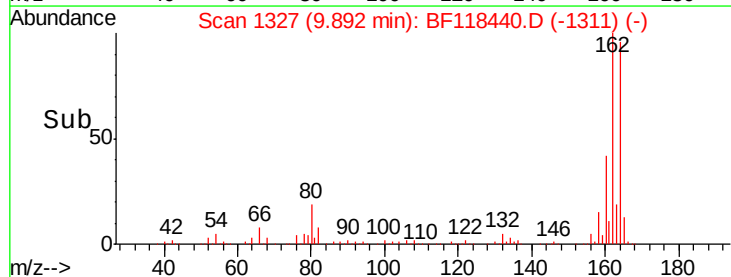
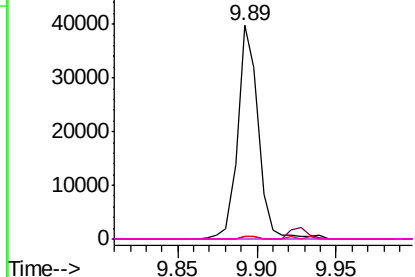


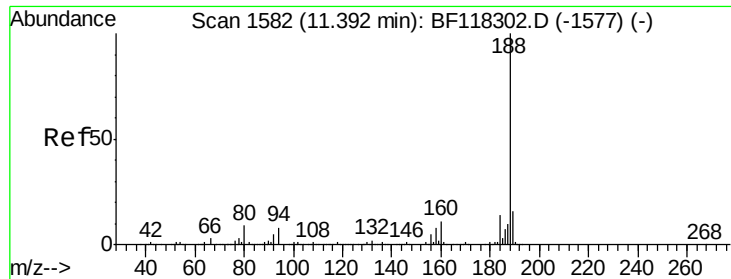
#57
2,4-Dinitrotoluene
Concen: 6.157 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.21 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Tgt Ion:165 Resp: 35860
Ion Ratio Lower Upper
165 100
63 1.0 32.0 48.0#
89 1.4 49.3 73.9#
182 0.0 2.4 3.6#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

Instrument :

BNA_F

ClientSampleId :

K321-WC-01DL

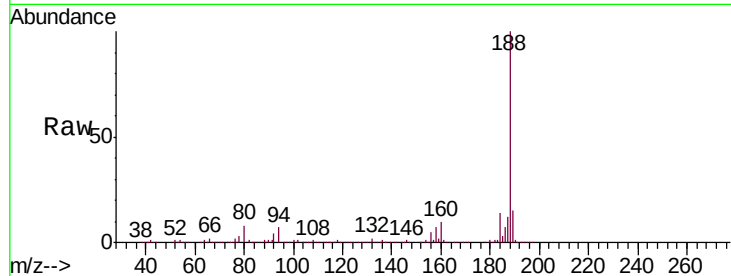
Tgt Ion:188 Resp: 440741

Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

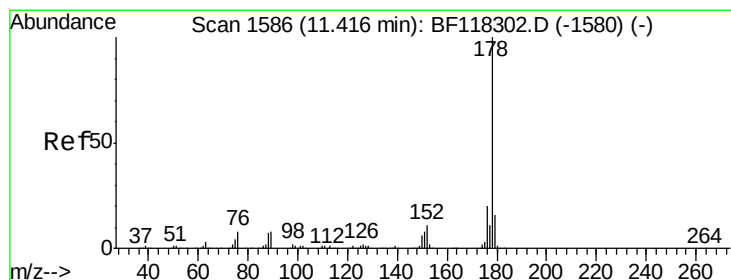
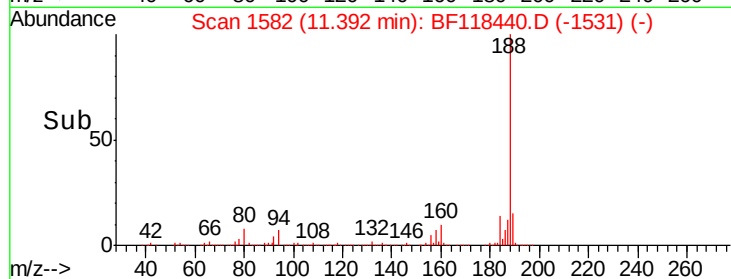
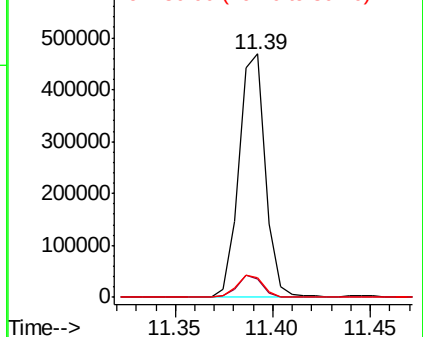
80 7.9 7.2 10.8



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: 23.912 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

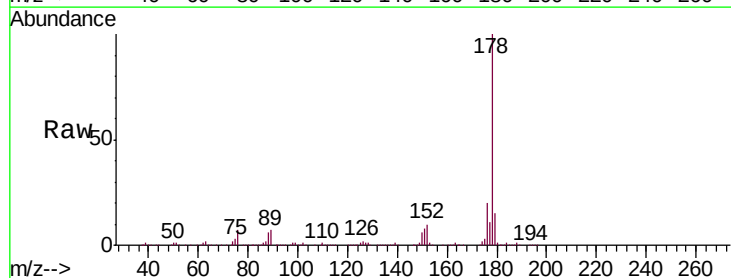
Tgt Ion:178 Resp: 574533

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

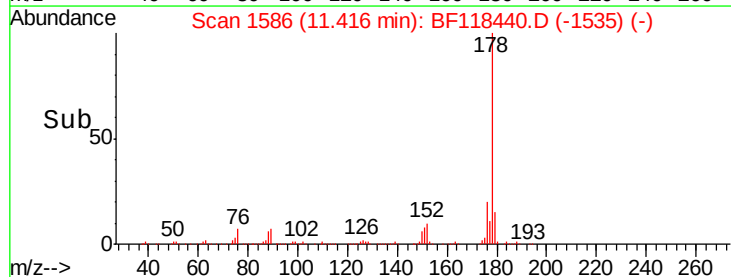
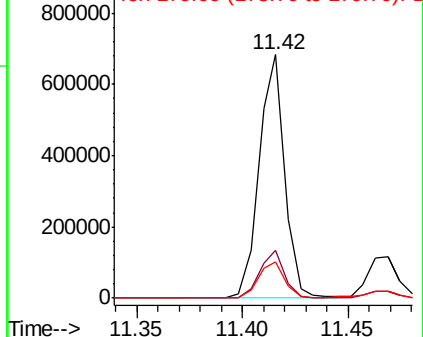
179 15.0 12.6 19.0

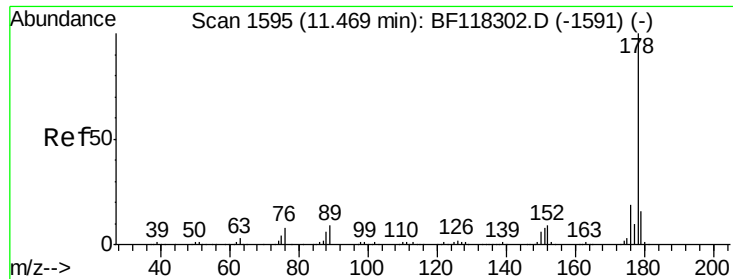


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

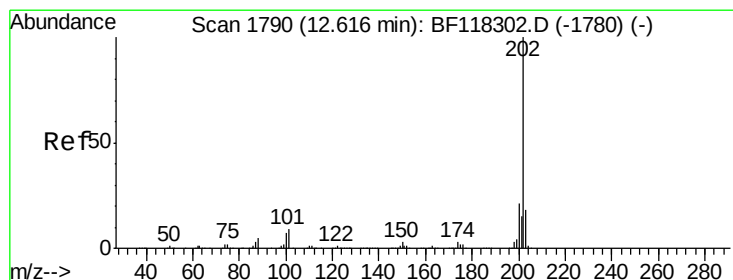
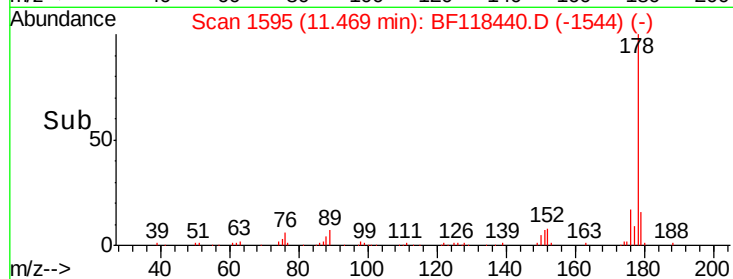
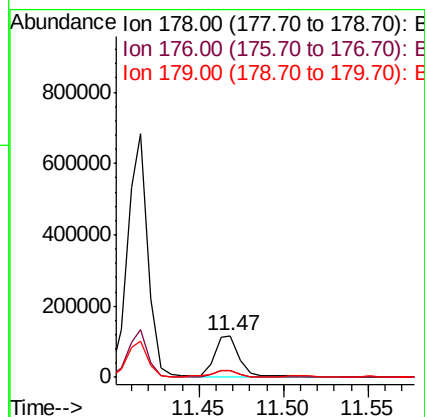
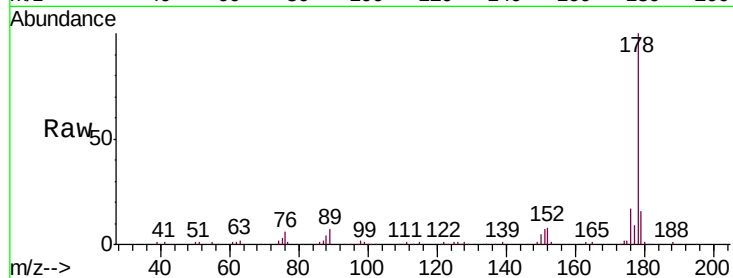




#72
 Anthracene
 Concen: 5.086 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BF118440.D
 Acq: 2 Jan 2020 17:26

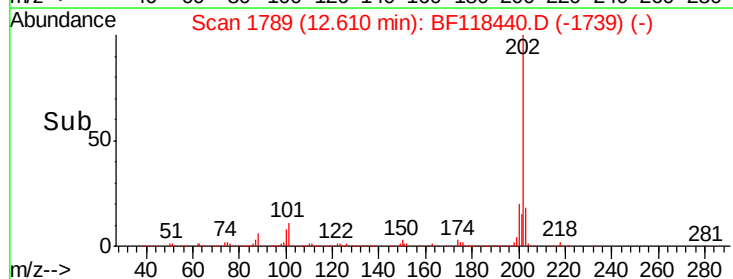
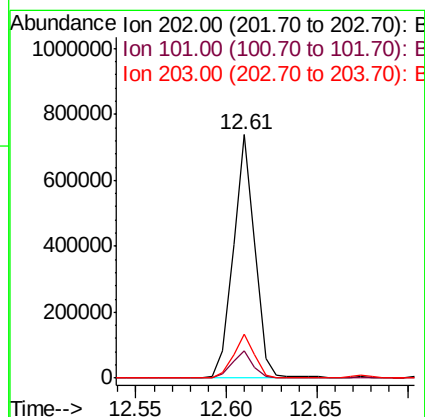
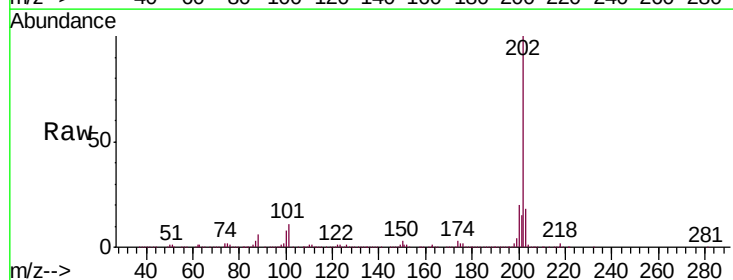
Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-01DL

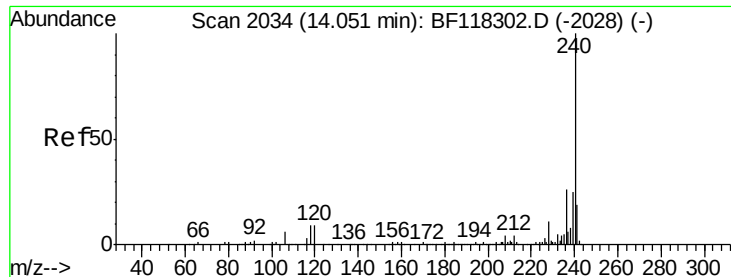
Tgt Ion:178 Resp: 122326
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.2 22.8
 179 15.6 12.9 19.3



#75
 Fluoranthene
 Concen: 25.180 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BF118440.D
 Acq: 2 Jan 2020 17:26

Tgt Ion:202 Resp: 610580
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 29.5
 203 17.8 0.0 37.6

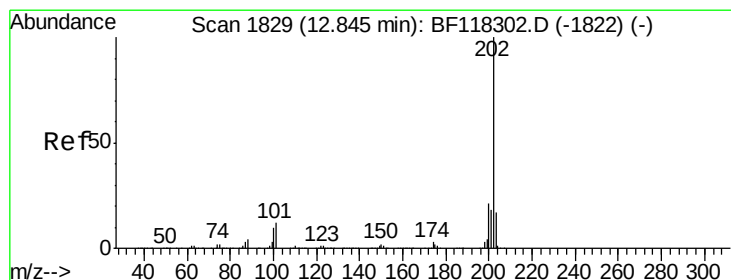
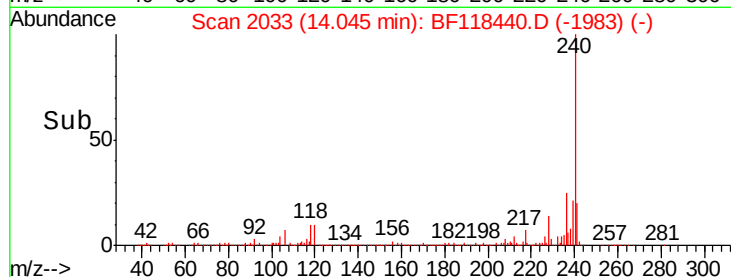
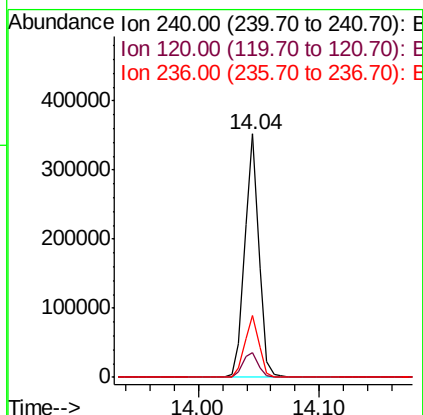
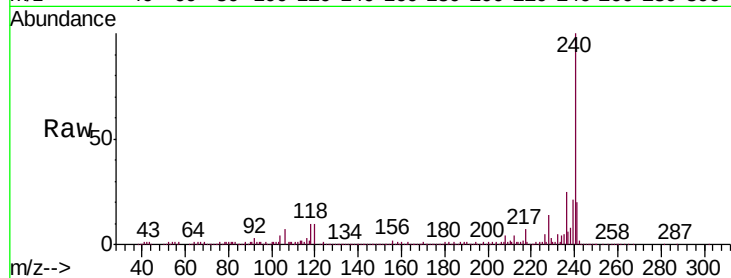




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

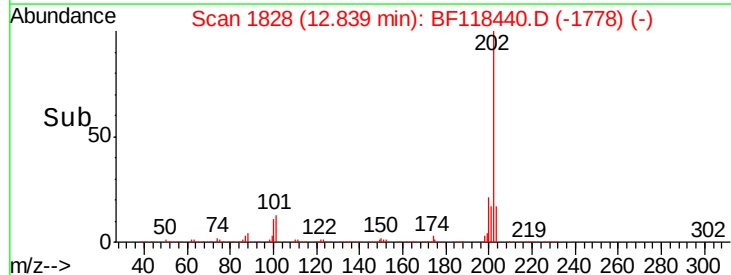
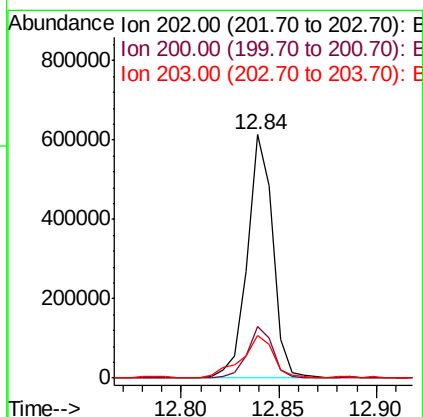
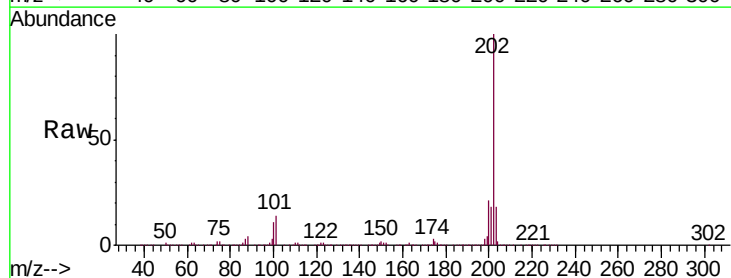
Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

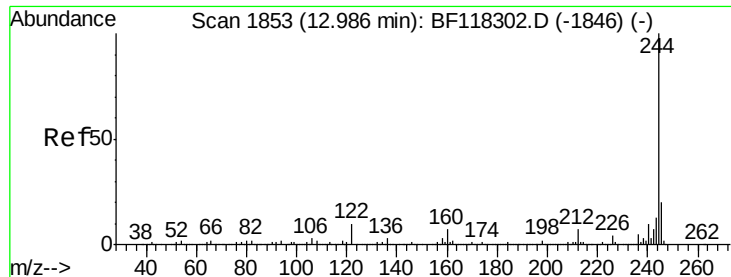
Tgt Ion:240 Resp: 289642
Ion Ratio Lower Upper
240 100
120 10.2 7.1 10.7
236 25.4 21.0 31.6



#78
Pyrene
Concen: 23.362 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Tgt Ion:202 Resp: 552577
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.7 13.9 20.9





#79

Terphenyl-d14

Concen: 8.642 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

Instrument :

BNA_F

ClientSampleId :

K321-WC-01DL

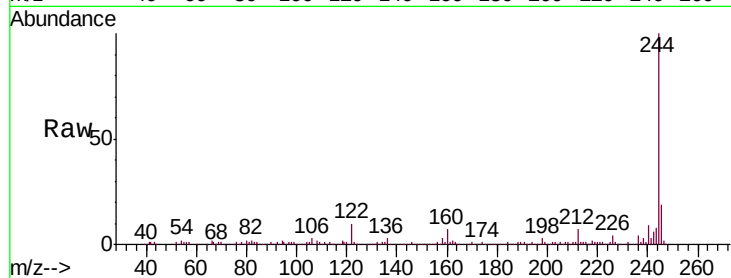
Tgt Ion:244 Resp: 150878

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

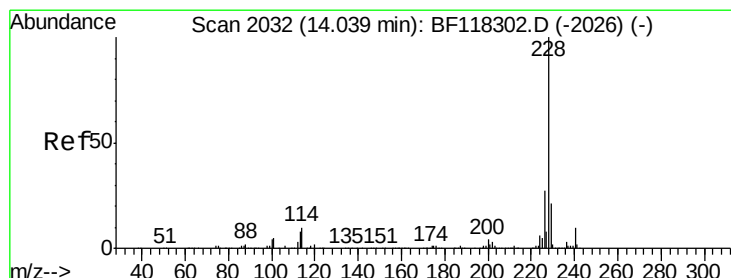
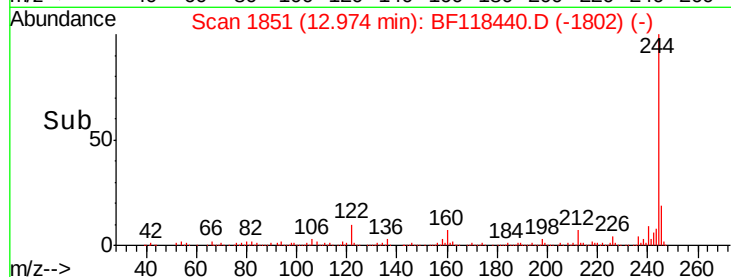
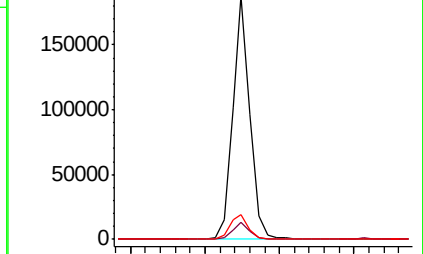
122 10.3 7.8 11.8



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: 12.704 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

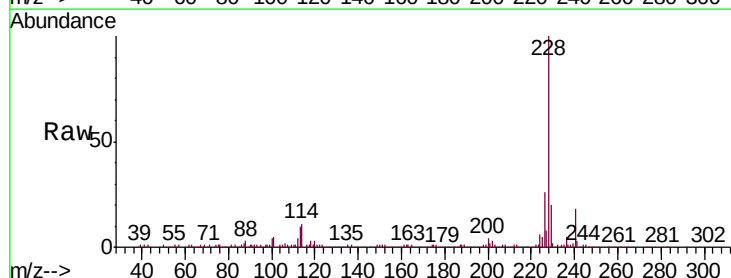
Tgt Ion:228 Resp: 257558

Ion Ratio Lower Upper

228 100

226 26.3 22.0 33.0

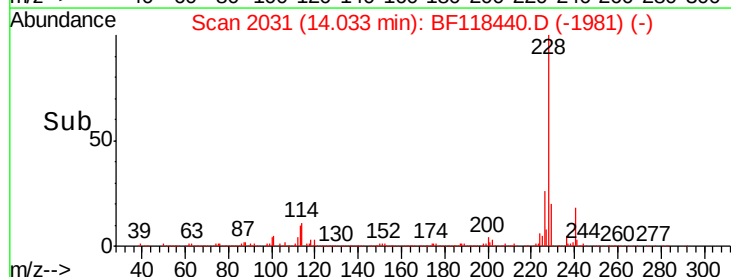
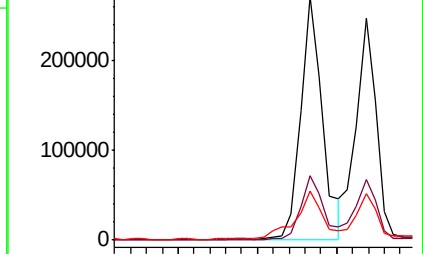
229 20.3 16.6 24.8

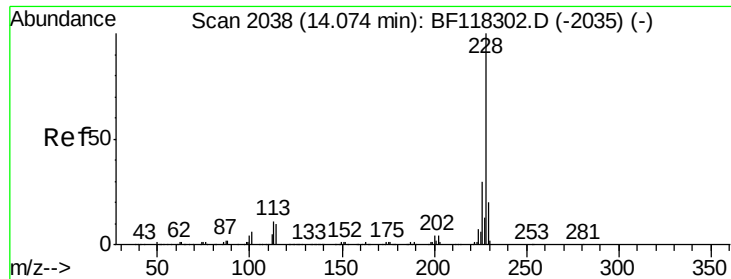


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.394 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

Instrument :

BNA_F

ClientSampleId :

K321-WC-01DL

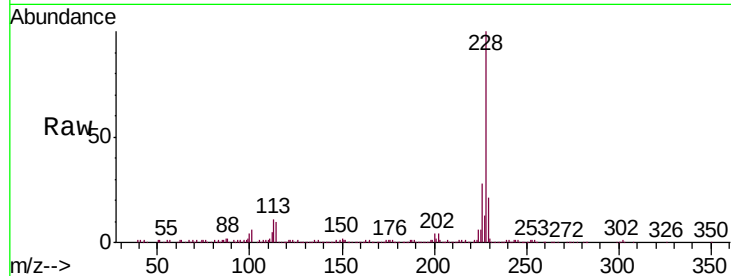
Tgt Ion:228 Resp: 221197

Ion Ratio Lower Upper

228 100

226 27.6 23.9 35.9

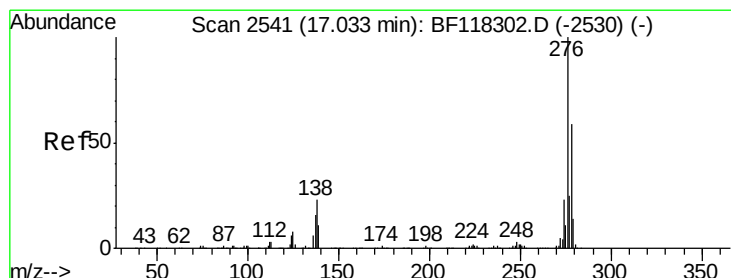
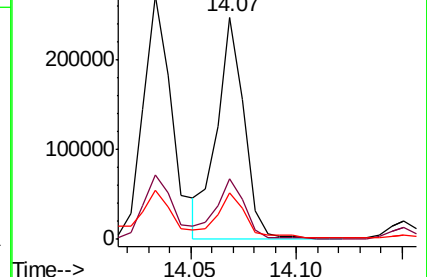
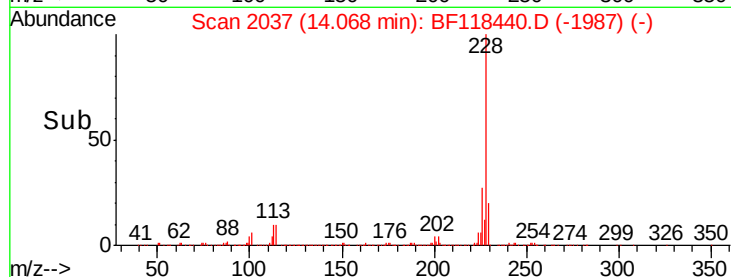
229 21.1 16.1 24.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.769 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

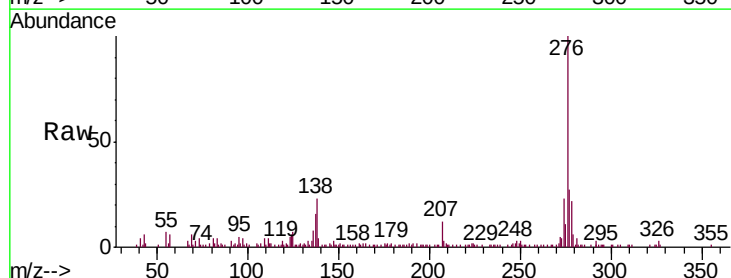
Tgt Ion:276 Resp: 95424

Ion Ratio Lower Upper

276 100

138 20.7 19.5 29.3

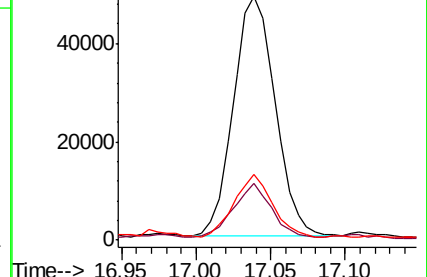
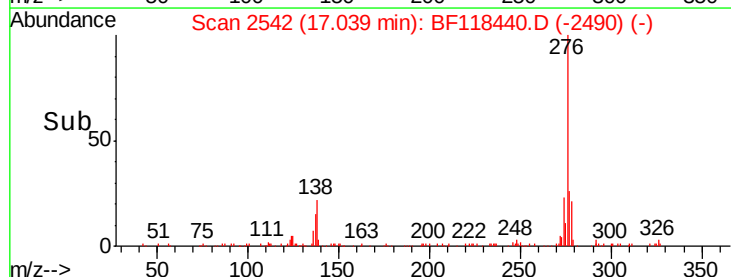
277 24.4 20.6 30.8

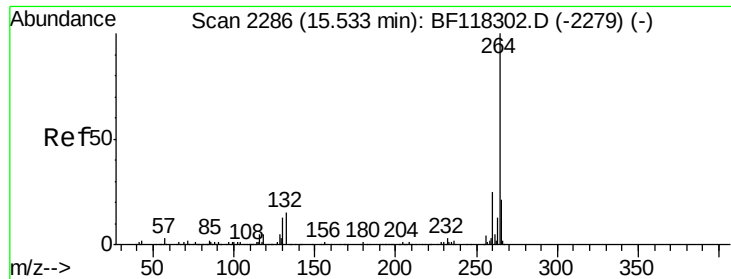


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

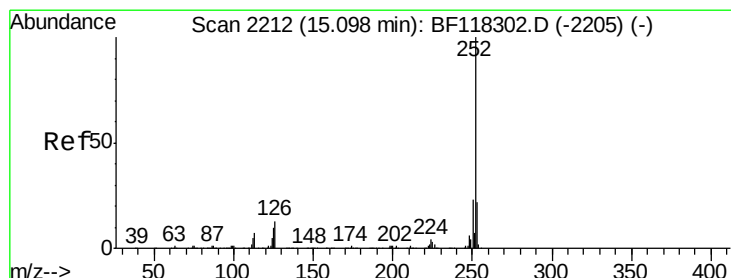
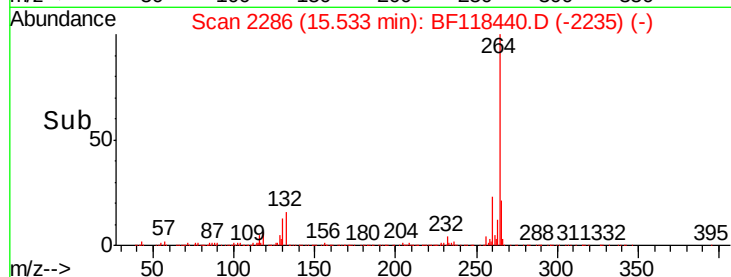
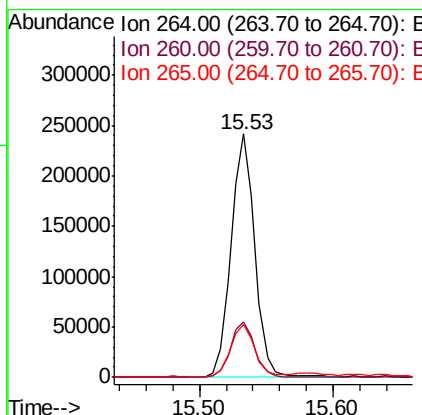
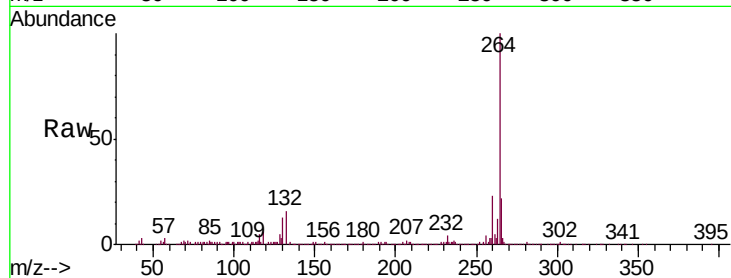




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

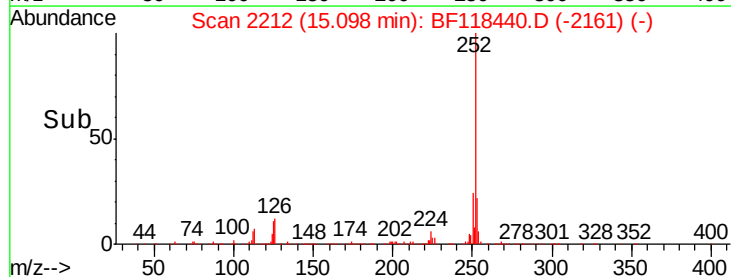
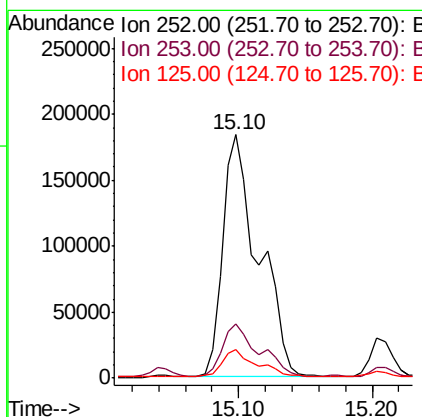
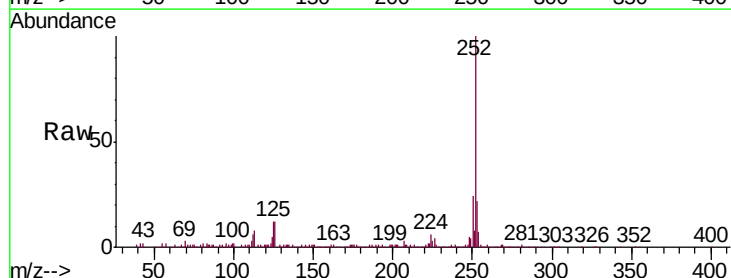
Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

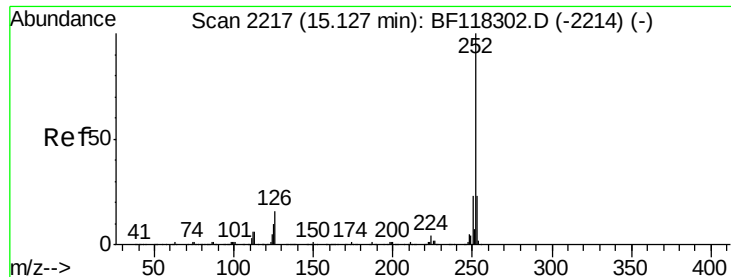
Tgt Ion:264 Resp: 298846
Ion Ratio Lower Upper
264 100
260 22.9 19.8 29.6
265 21.5 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 17.292 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Tgt Ion:252 Resp: 343028
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.8 7.7 11.5#

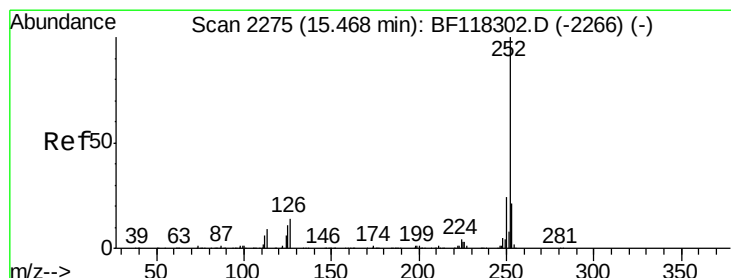
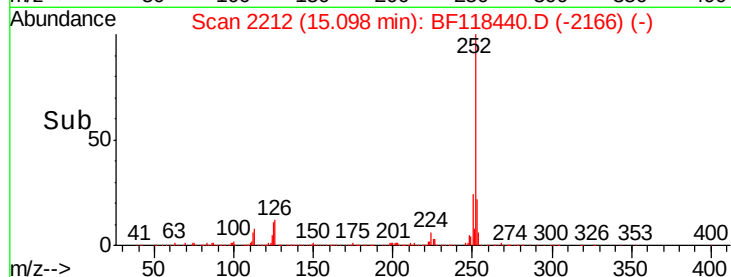
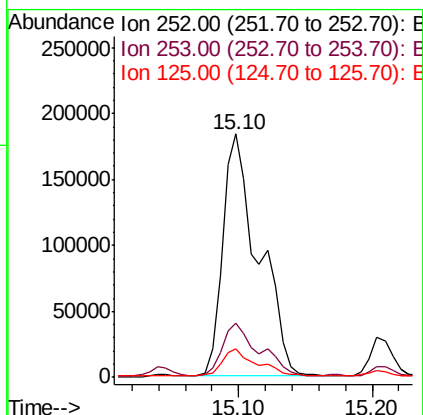
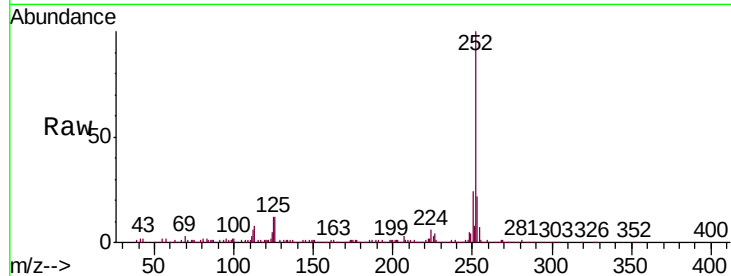




#89
Benzo(k)fluoranthene
Concen: 18.009 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

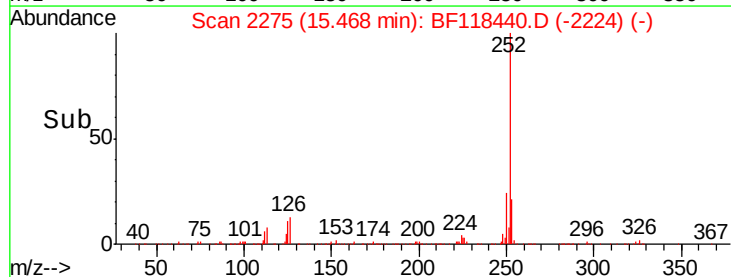
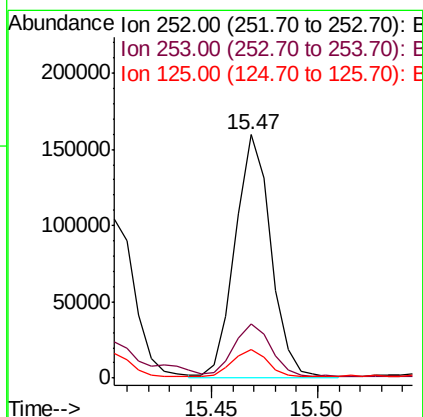
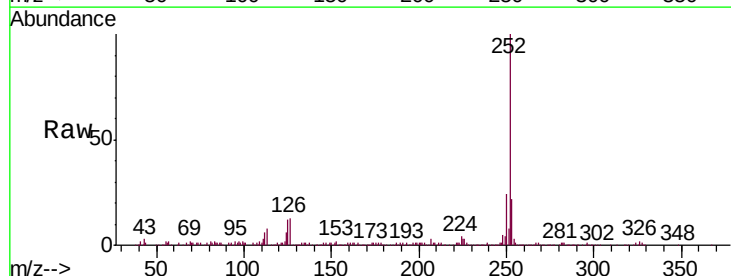
Instrument :
BNA_F
ClientSampleId :
K321-WC-01DL

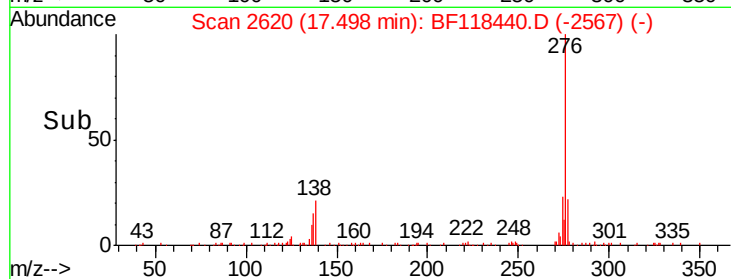
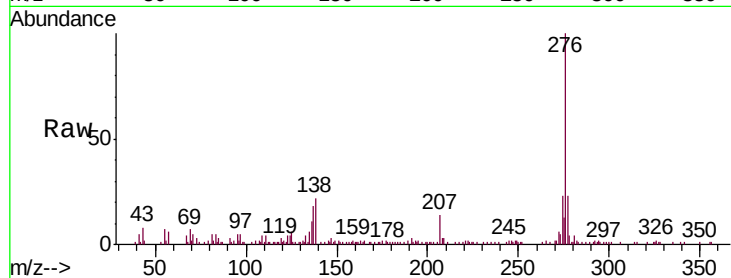
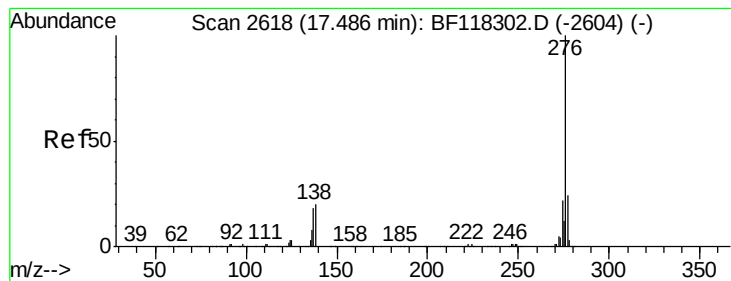
Tgt Ion:252 Resp: 343028
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.8 8.0 12.0



#90
Benzo(a)pyrene
Concen: 10.699 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF118440.D
Acq: 2 Jan 2020 17:26

Tgt Ion:252 Resp: 186972
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.7 9.0 13.4





#92

Benzo(g,h,i)perylene

Concen: 6.068 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BF118440.D

Acq: 2 Jan 2020 17:26

Instrument :

BNA_F

ClientSampleId :

K321-WC-01DL

Tgt Ion: 276 Resp: 88894

Ion Ratio Lower Upper

276 100

277 23.1 19.1 28.7

138 22.2 16.1 24.1

