

Data File : BF116052.D
Acq On : 7 Aug 2019 17:07
Operator : HP/JU
Sample : K4152-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PS-2

Quant Time: Aug 08 07:43:35 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	6.85	152	142119	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	558028	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	291441	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	471318	20.00	ng	0.00
76) Chrysene-d12	14.00	240	266009	20.00	ng	0.00
87) Perylene-d12	15.47	264	331182	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	964109	113.57	ng	0.00
7) Phenol-d6	6.48	99	1260289	117.66	ng	0.00
23) Nitrobenzene-d5	7.40	82	827053	85.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	263347	93.20	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1278559	82.17	ng	0.00
79) Terphenyl-d14	12.95	244	1101788	87.28	ng	0.00

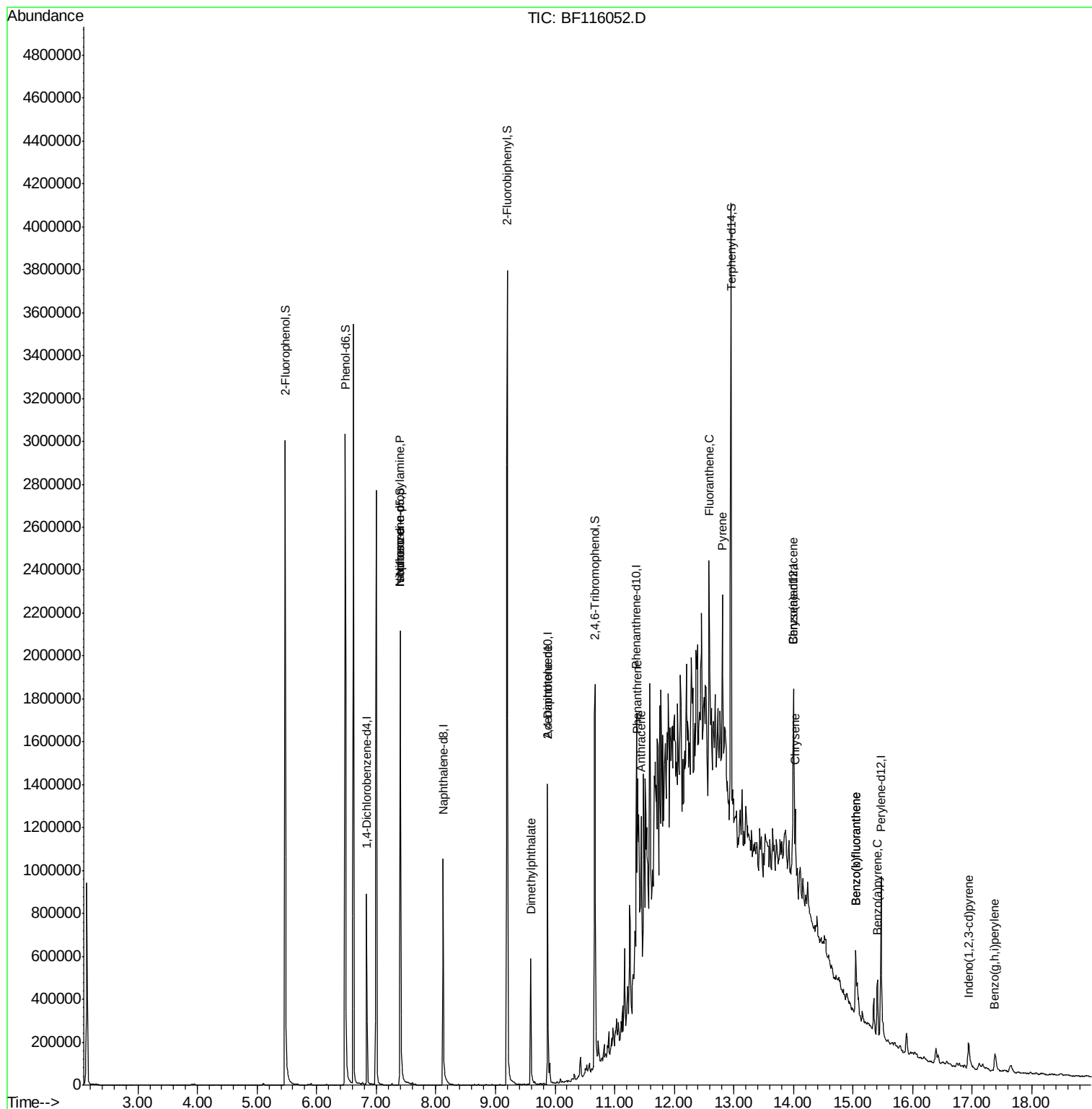
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	107355	16.174	ng	# 80
25) Isophorone	7.40	82	828589	44.824	ng	# 65
50) Dimethylphthalate	9.59	163	293375	14.784	ng	99
57) 2,4-Dinitrotoluene	9.87	165	37508	6.533	ng	# 20
71) Phenanthrene	11.39	178	301659	12.520	ng	99
72) Anthracene	11.44	178	97719	4.007	ng	97
75) Fluoranthene	12.58	202	424925	16.845	ng	88
78) Pyrene	12.81	202	342674	17.089	ng	# 88
81) Benzo(a)anthracene	14.00	228	152613	8.976	ng	97
83) Chrysene	14.03	228	134155	8.127	ng	94
86) Indeno(1,2,3-cd)pyrene	16.94	276	80028	5.772	ng	95
88) Benzo(b)fluoranthene	15.04	252	226471	11.827	ng	98
89) Benzo(k)fluoranthene	15.04	252	226471	12.142	ng	# 97
90) Benzo(a)pyrene	15.41	252	126778	7.406	ng	100
92) Benzo(g,h,i)perylene	17.38	276	77476	5.324	ng	97

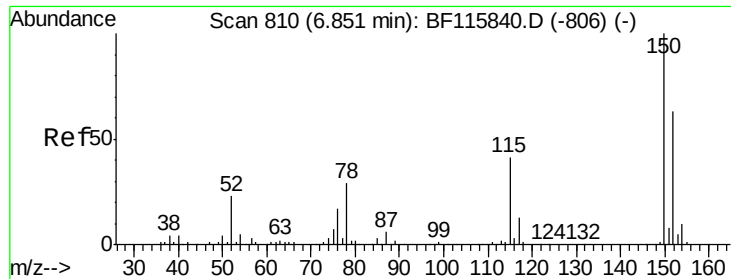
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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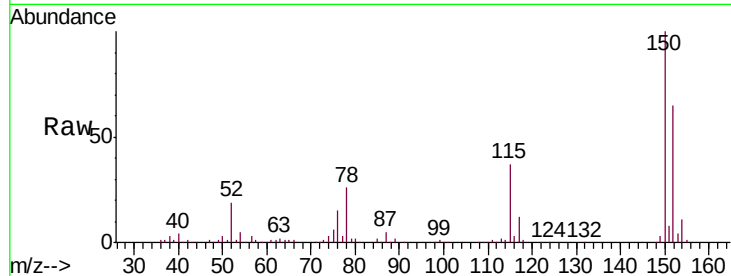


#1

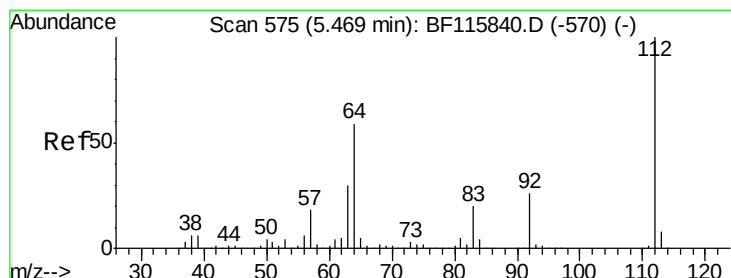
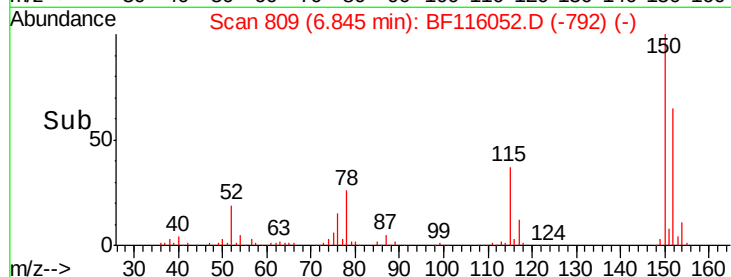
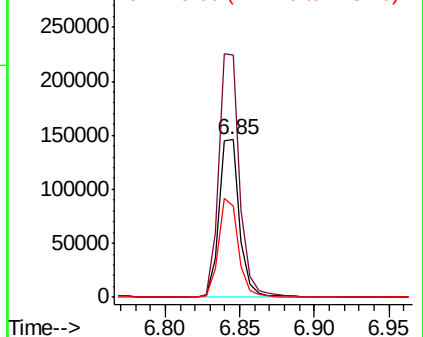
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Instrument :
BNA_F
ClientSampleId :
PS-2

Tgt Ion:152 Resp: 142119
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 57.6 49.9 74.9



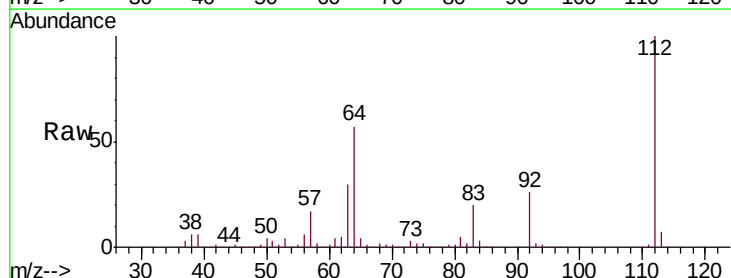
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



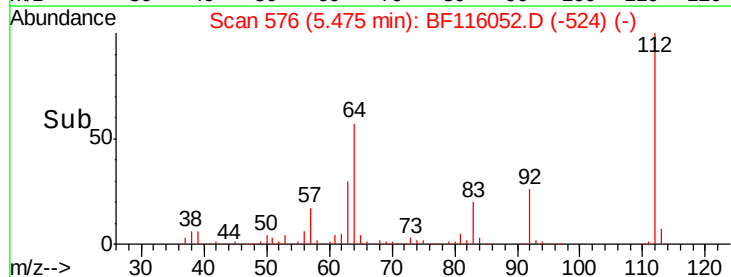
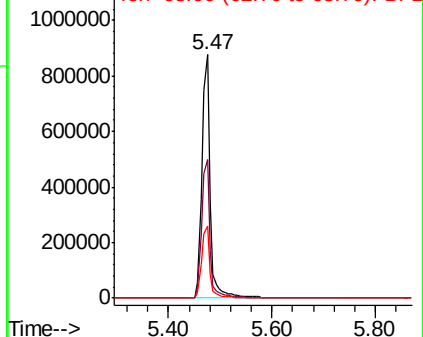
#5

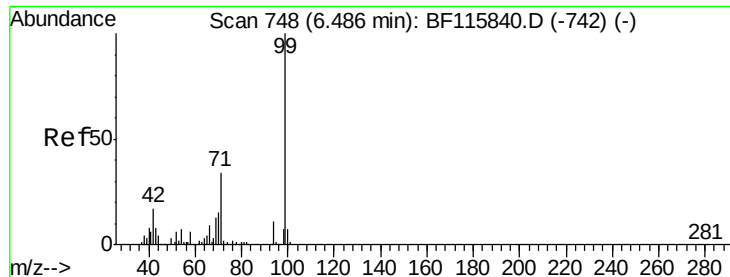
2-Fluorophenol
Concen: 113.565 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion:112 Resp: 964109
Ion Ratio Lower Upper
112 100
64 57.0 45.4 68.2
63 29.8 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: 117.663 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

Instrument :

BNA_F

ClientSampled :

PS-2

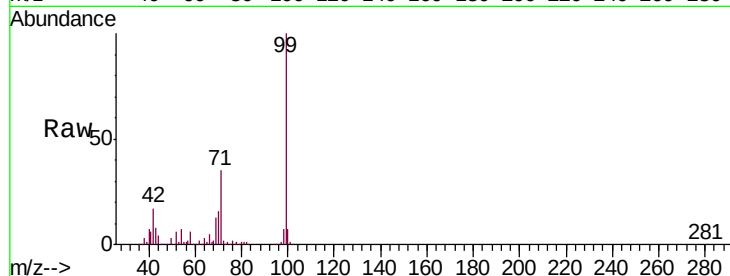
Tgt Ion: 99 Resp: 1260289

Ion Ratio Lower Upper

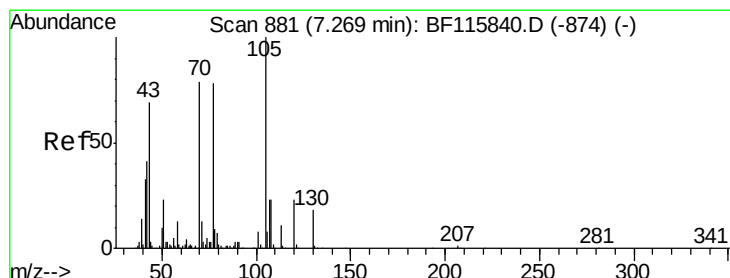
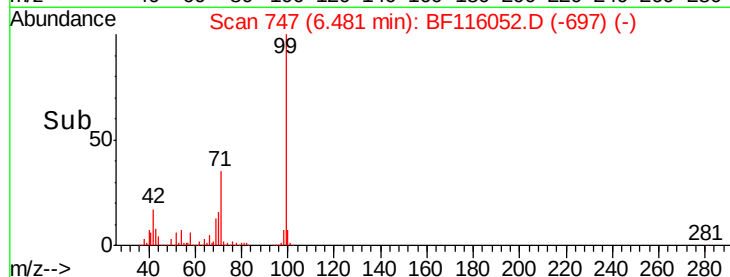
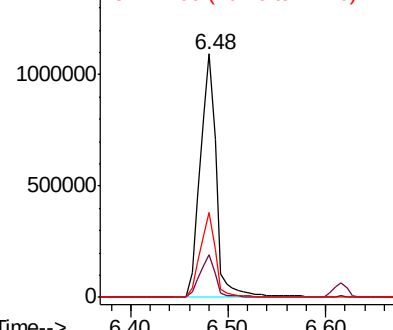
99 100

42 17.4 13.8 20.8

71 34.8 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.174 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

Tgt Ion: 70 Resp: 107355

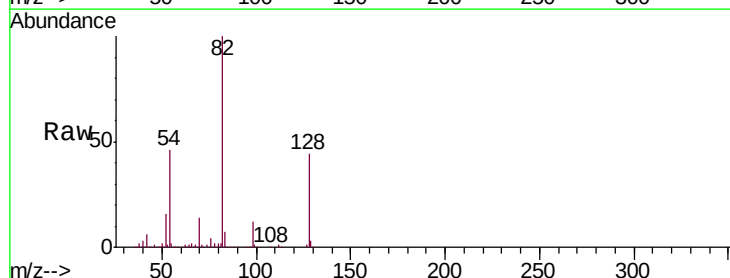
Ion Ratio Lower Upper

70 100

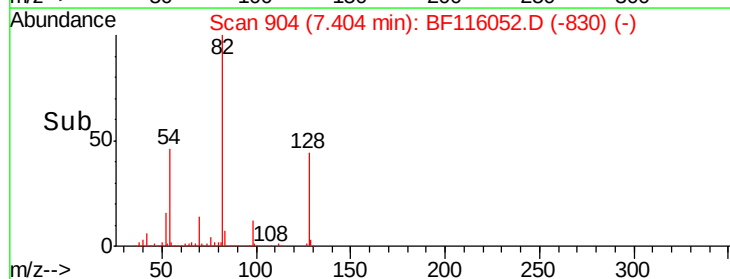
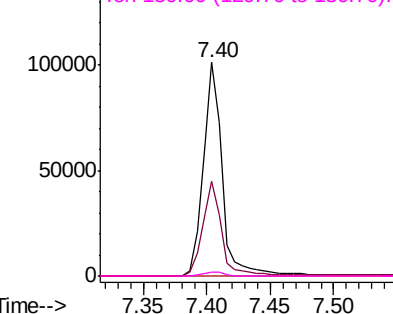
42 44.3 40.9 61.3

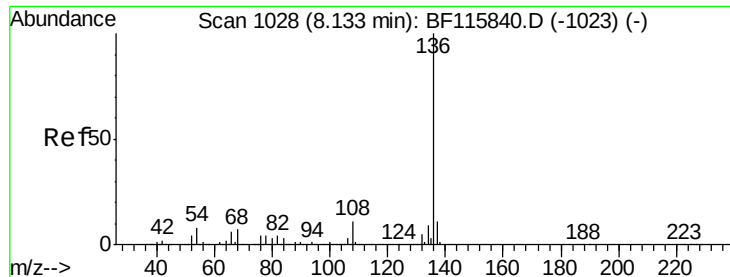
101 0.0 7.9 11.9#

130 2.1 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

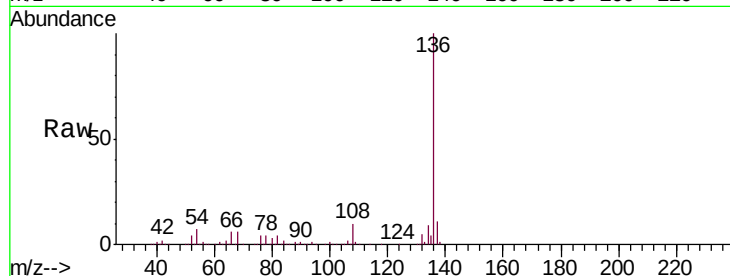




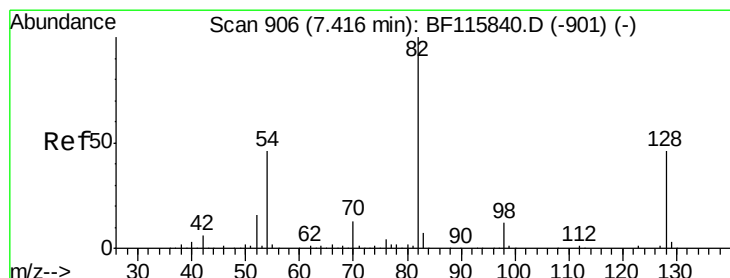
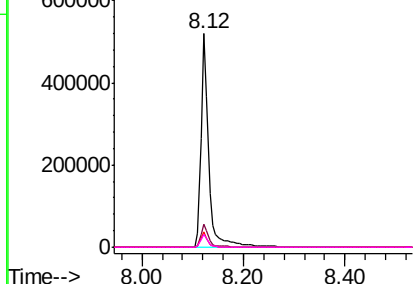
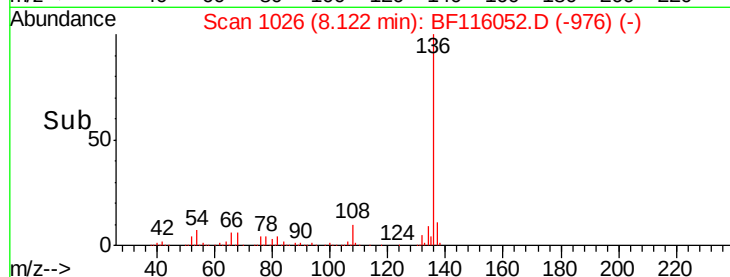
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Instrument :
BNA_F
ClientSampleId :
PS-2

Tgt Ion:	136	Resp:	558028
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.0	5.8	8.6
68	6.2	5.2	7.8

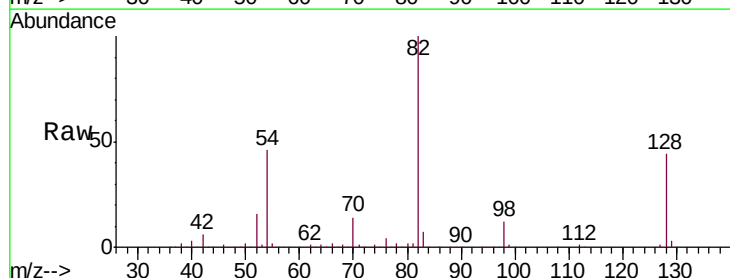


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

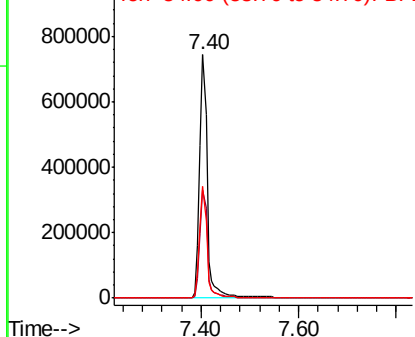
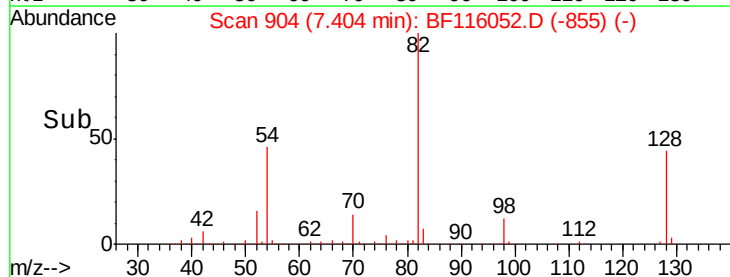


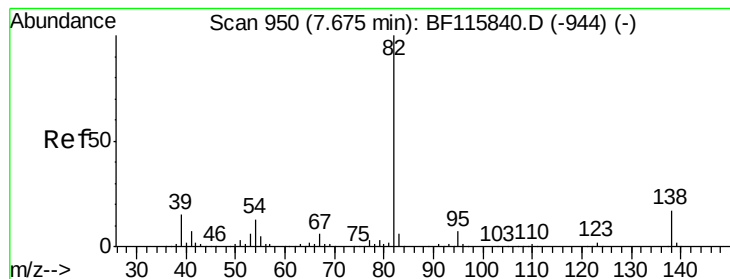
#23
Nitrobenzene-d5
Concen: 85.551 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion:	82	Resp:	827053
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.5	54.7
54	45.8	36.0	54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.824 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

Instrument :

BNA_F

ClientSampleId :

PS-2

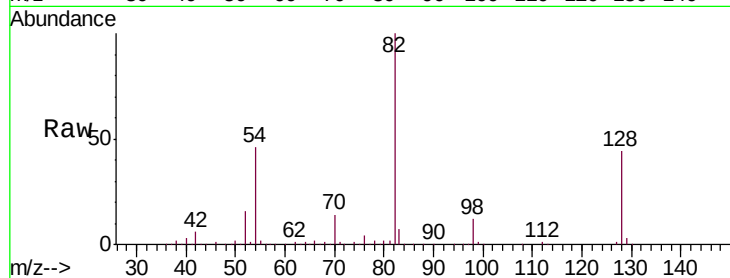
Tgt Ion: 82 Resp: 828589

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

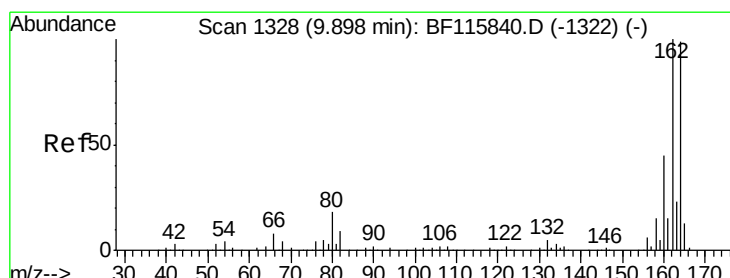
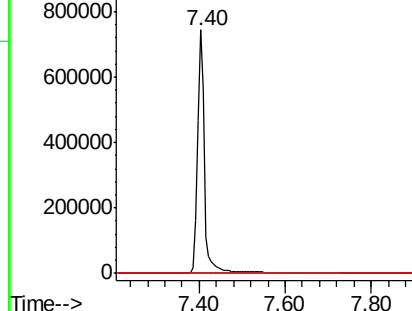
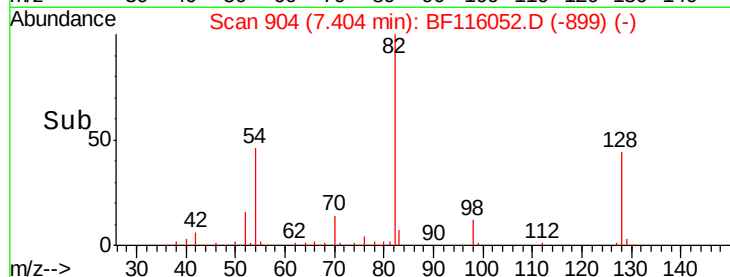
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

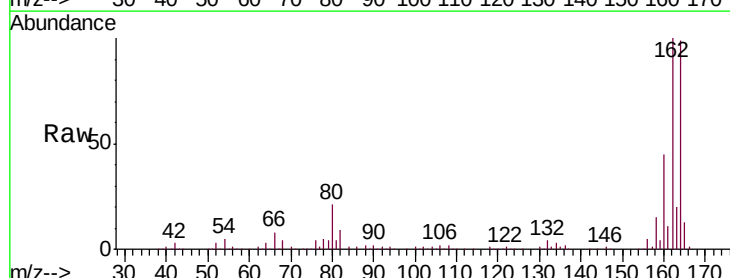
Tgt Ion: 164 Resp: 291441

Ion Ratio Lower Upper

164 100

162 101.5 82.6 124.0

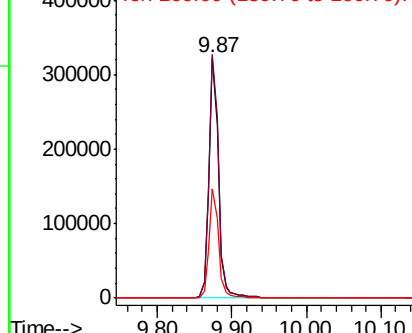
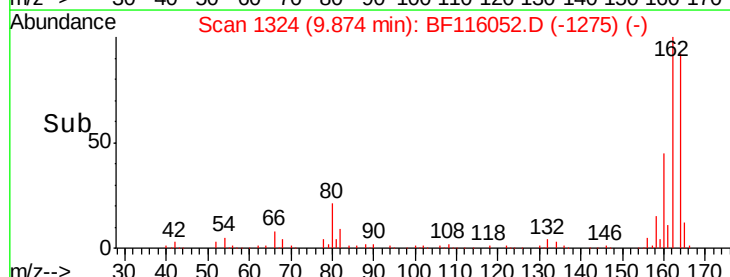
160 45.4 37.6 56.4

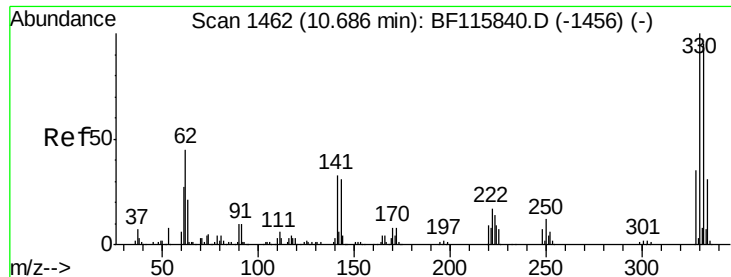


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

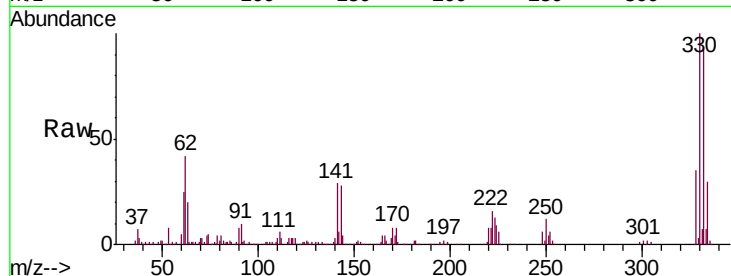




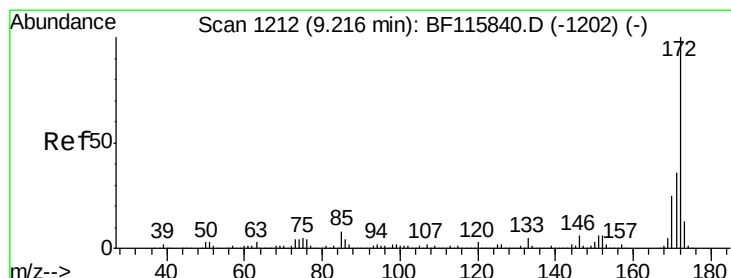
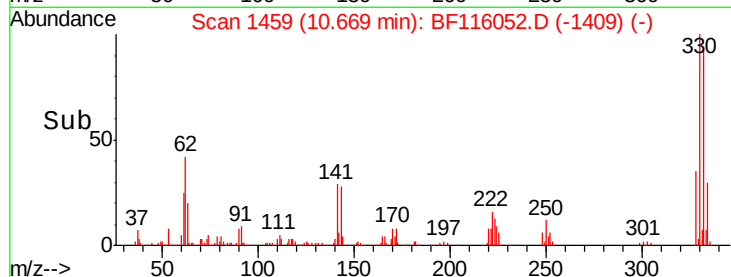
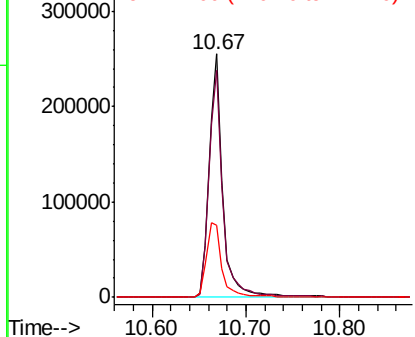
#42
 2,4,6-Tribromophenol
 Concen: 93.200 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116052.D
 Acq: 7 Aug 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PS-2

Tgt Ion:330 Resp: 263347
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.8 115.2
 141 34.7 26.3 39.5

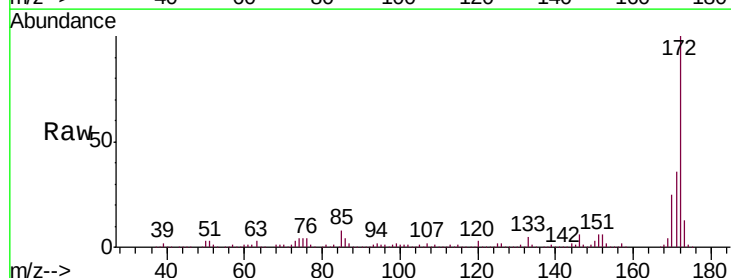


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

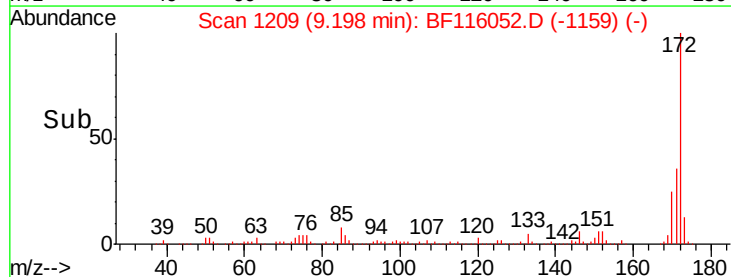
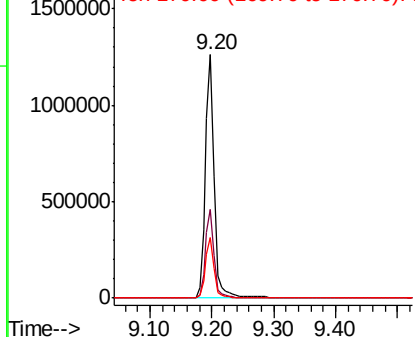


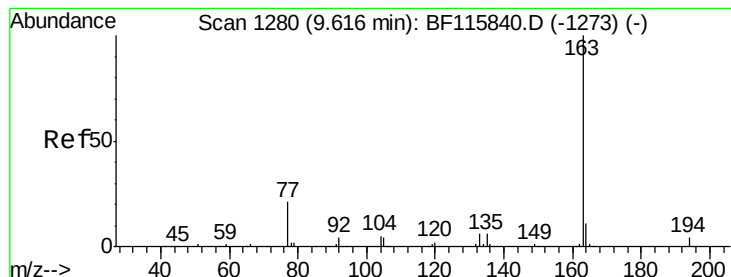
#45
 2-Fluorobiphenyl
 Concen: 82.172 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116052.D
 Acq: 7 Aug 2019 17:07

Tgt Ion:172 Resp: 1278559
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.7 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: 14.784 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

Instrument :

BNA_F

ClientSampleId :

PS-2

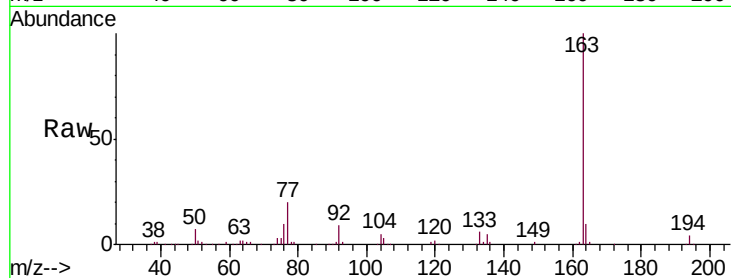
Tgt Ion:163 Resp: 293375

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

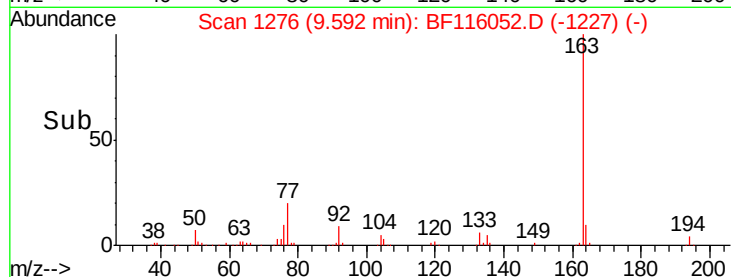
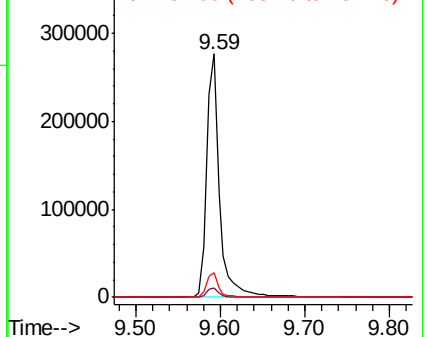
164 9.9 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 6.533 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

Tgt Ion:165 Resp: 37508

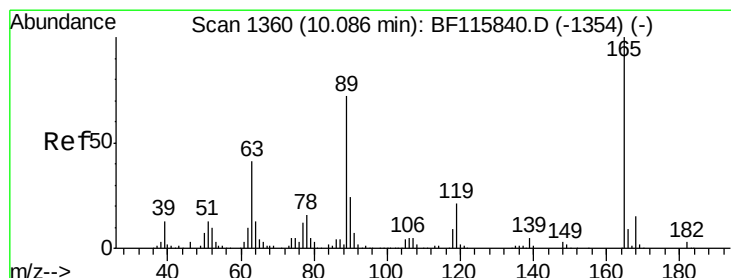
Ion Ratio Lower Upper

165 100

63 1.0 39.6 59.4#

89 1.3 62.2 93.2#

182 0.0 2.1 3.1#

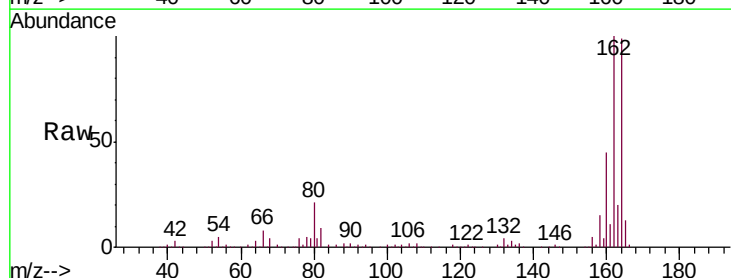
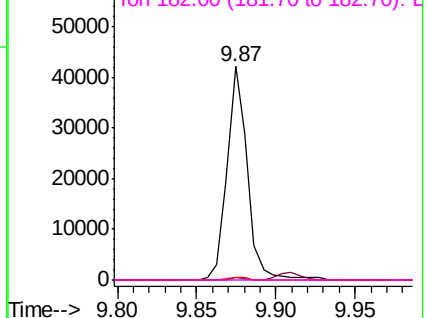


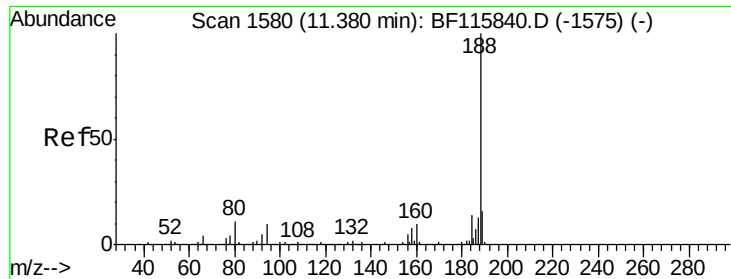
Abundance Ion 165.00 (164.70 to 165.70): E

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

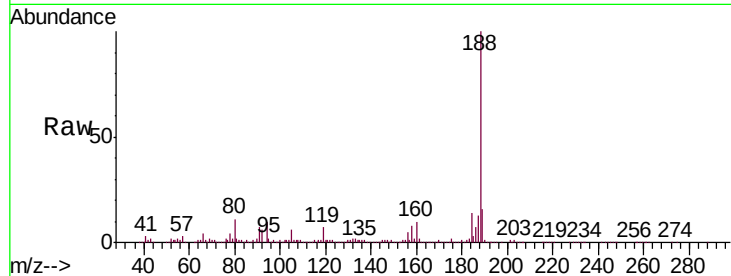




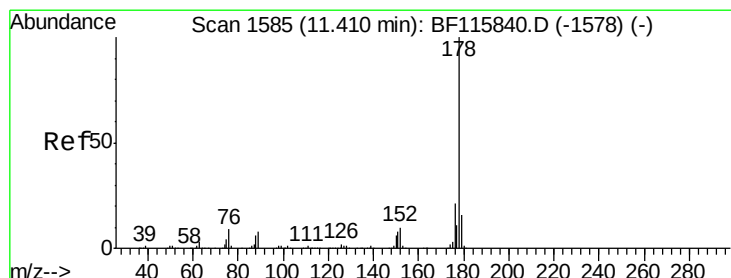
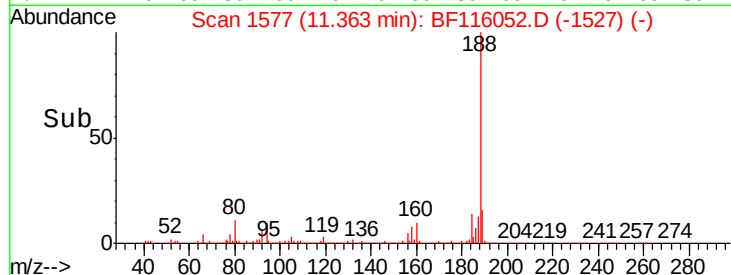
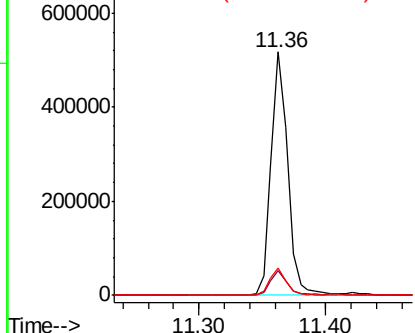
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Instrument :
BNA_F
ClientSampleId :
PS-2

Tgt Ion:188 Resp: 471318
Ion Ratio Lower Upper
188 100
94 10.3 8.1 12.1
80 11.2 8.7 13.1

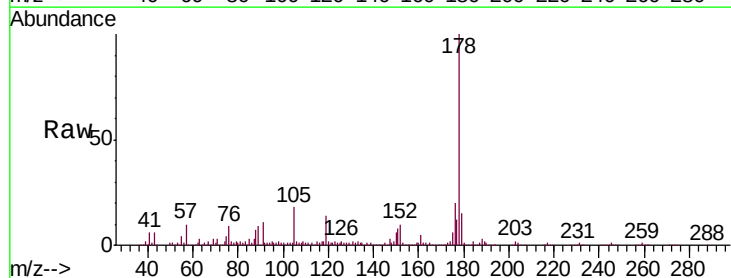


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

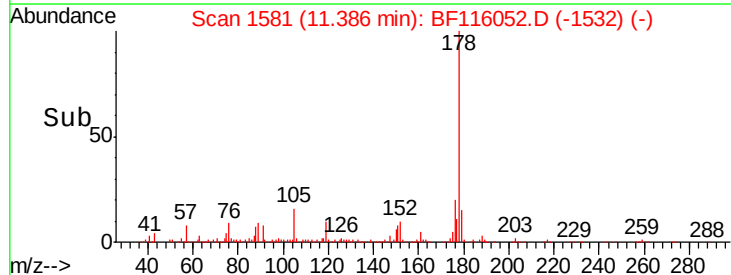
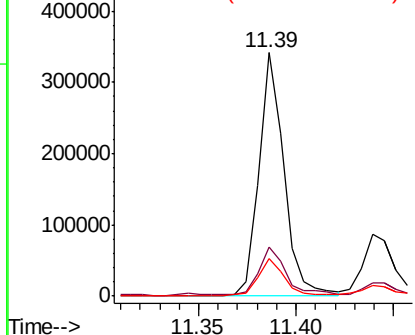


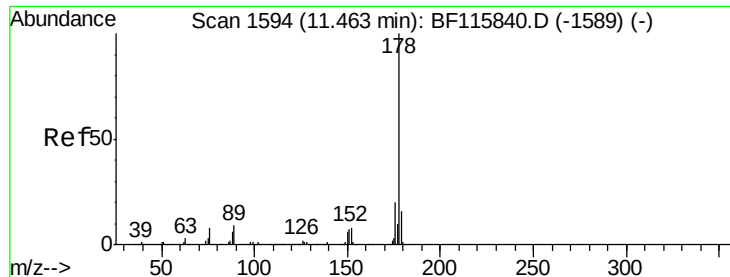
#71
Phenanthrene
Concen: 12.520 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion:178 Resp: 301659
Ion Ratio Lower Upper
178 100
176 20.1 16.6 24.8
179 15.4 12.5 18.7



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

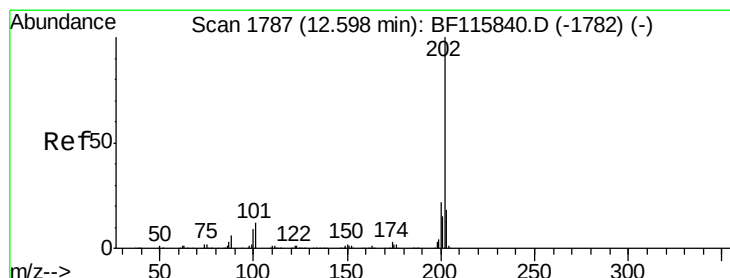
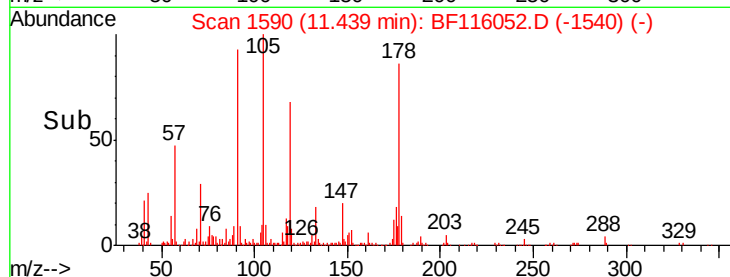
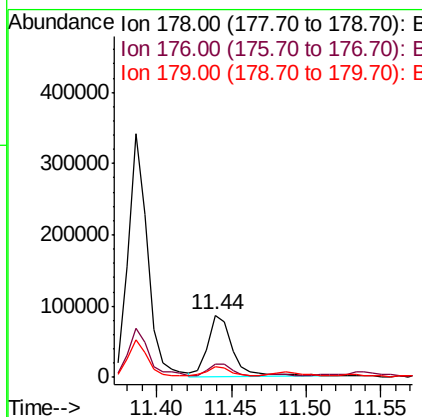
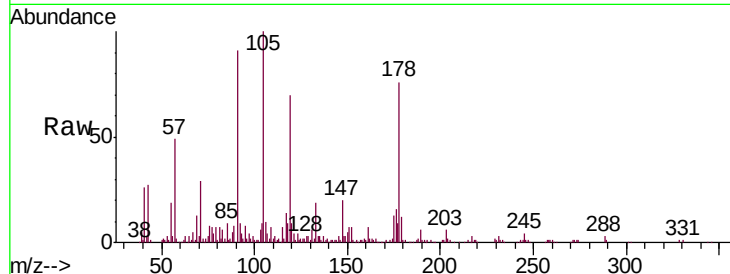




#72
 Anthracene
 Concen: 4.007 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF116052.D
 Acq: 7 Aug 2019 17:07

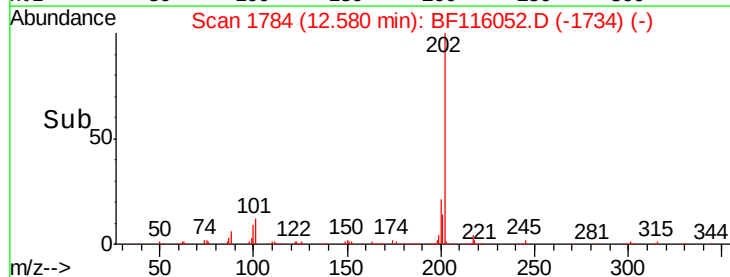
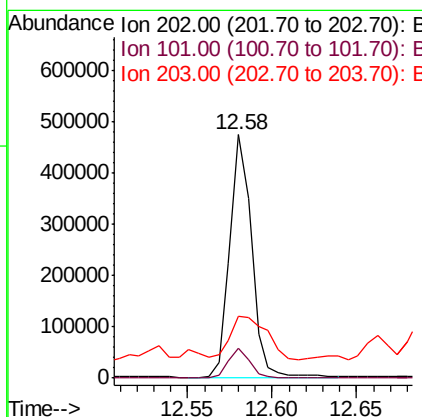
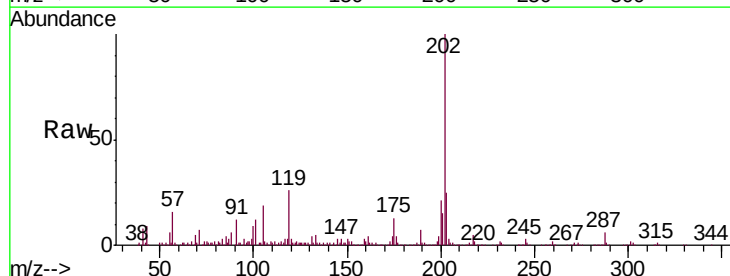
Instrument :
 BNA_F
 ClientSampleId :
 PS-2

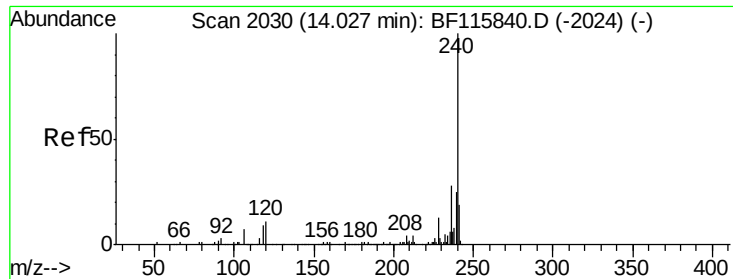
Tgt Ion:178 Resp: 97719
 Ion Ratio Lower Upper
 178 100
 176 21.7 15.7 23.5
 179 16.4 13.0 19.6



#75
 Fluoranthene
 Concen: 16.845 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF116052.D
 Acq: 7 Aug 2019 17:07

Tgt Ion:202 Resp: 424925
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 31.2
 203 25.3 0.0 37.8

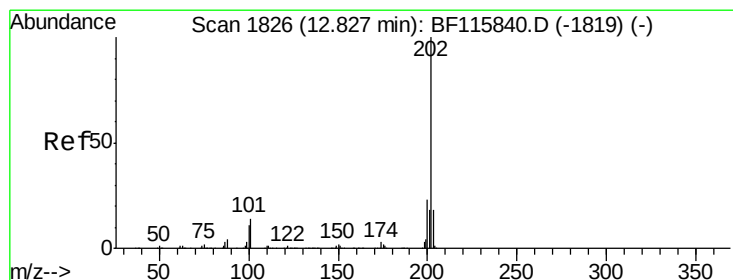
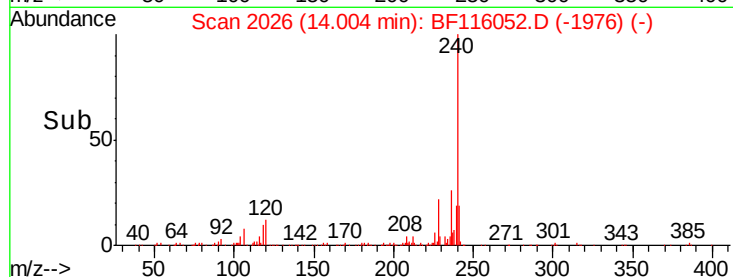
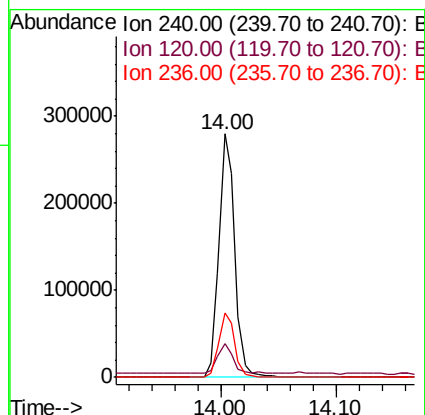
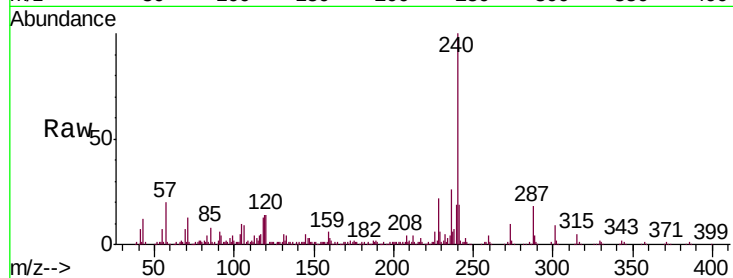




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

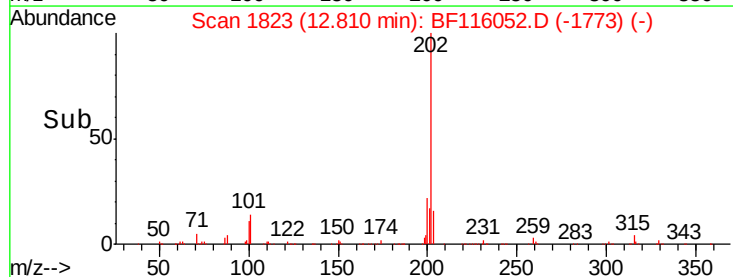
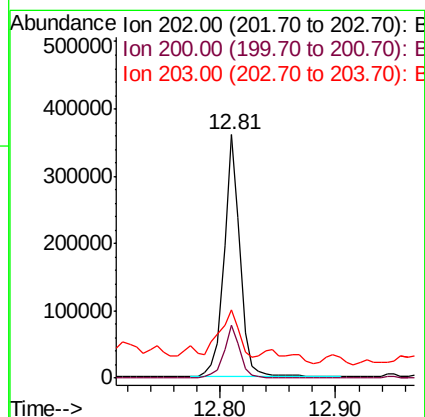
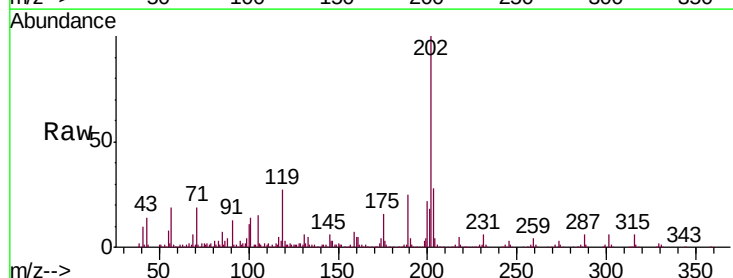
Instrument :
BNA_F
ClientSampleId :
PS-2

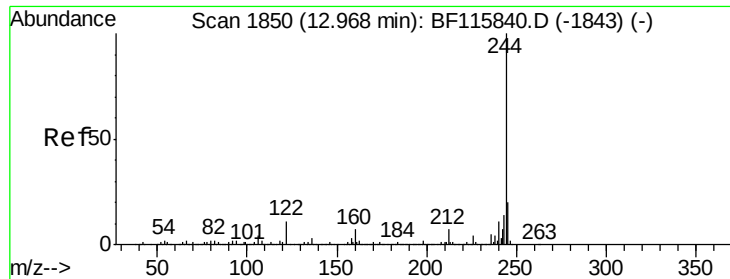
Tgt Ion:240 Resp: 266009
Ion Ratio Lower Upper
240 100
120 13.7 10.7 16.1
236 26.4 22.2 33.2



#78
Pyrene
Concen: 17.089 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion:202 Resp: 342674
Ion Ratio Lower Upper
202 100
200 21.7 18.0 27.0
203 28.3 14.1 21.1#





#79

Terphenyl-d14

Concen: 87.277 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

Instrument :

BNA_F

ClientSampleId :

PS-2

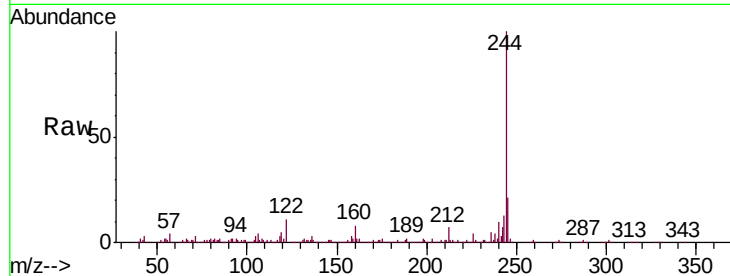
Tgt Ion:244 Resp: 1101788

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

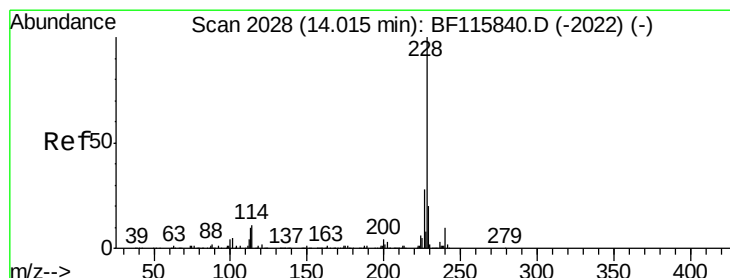
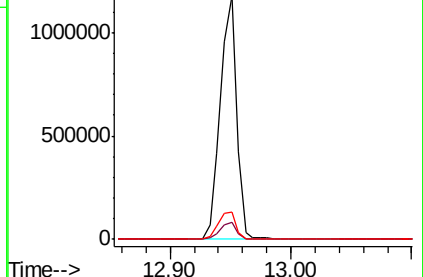
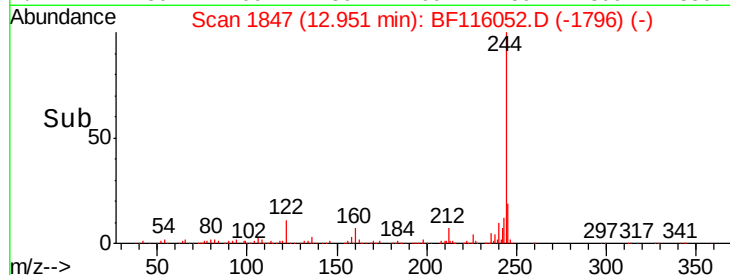
122 11.0 9.0 13.4



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: 8.976 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:07

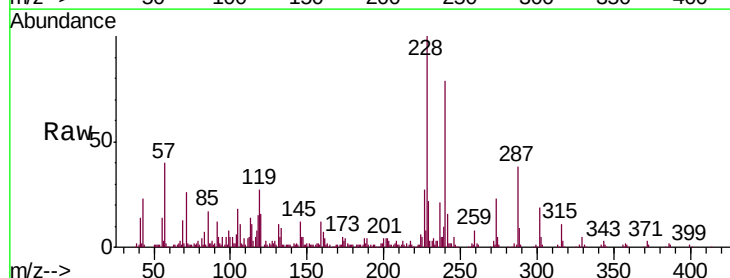
Tgt Ion:228 Resp: 152613

Ion Ratio Lower Upper

228 100

226 27.1 22.7 34.1

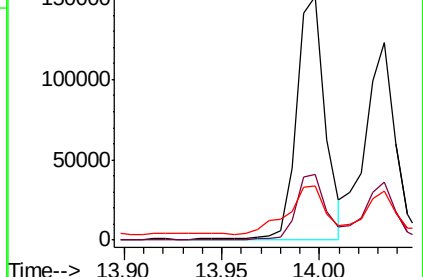
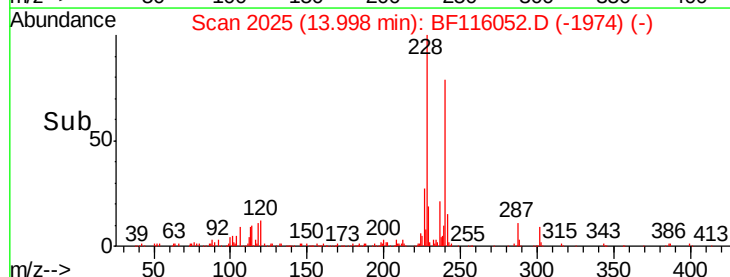
229 22.2 16.2 24.4

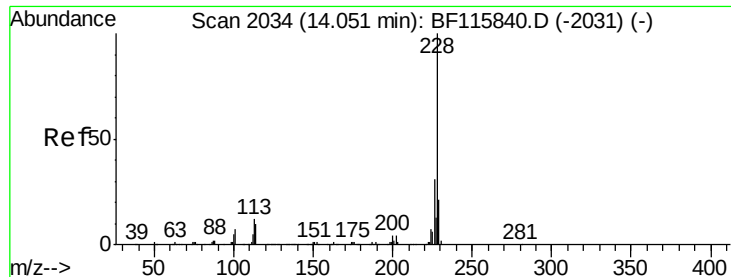


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

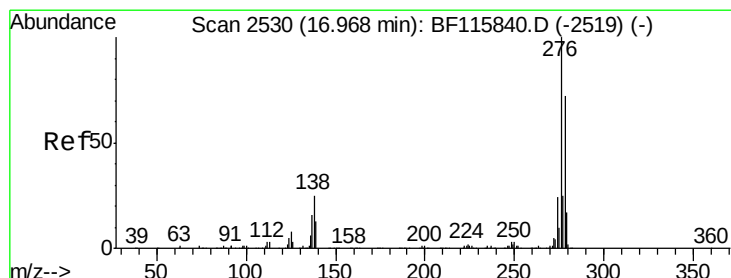
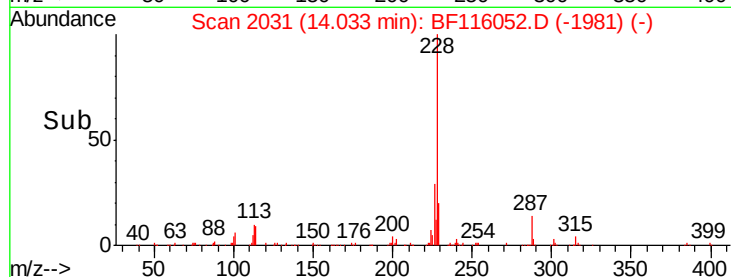
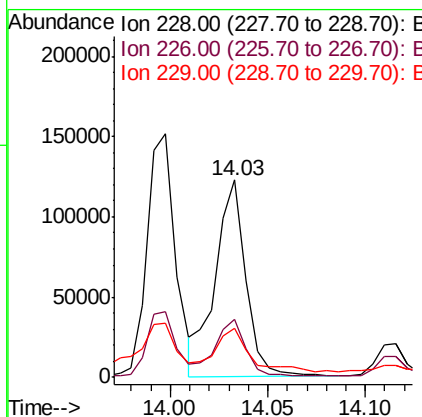
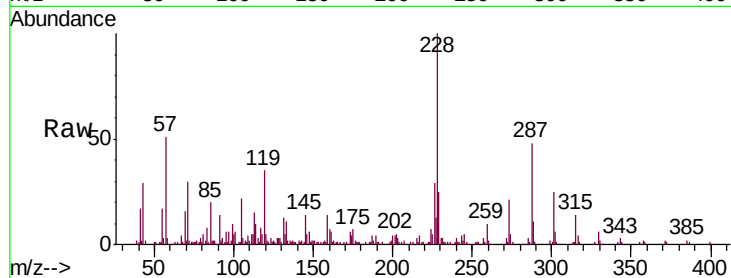




#83
Chrysene
Concen: 8.127 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

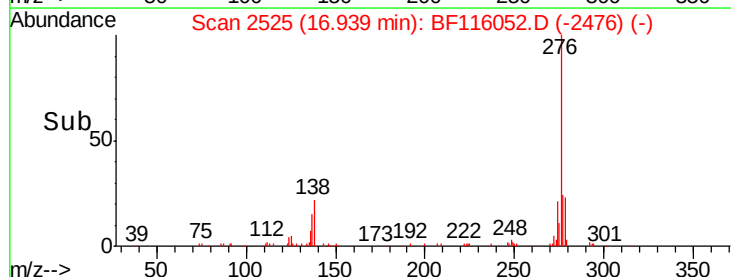
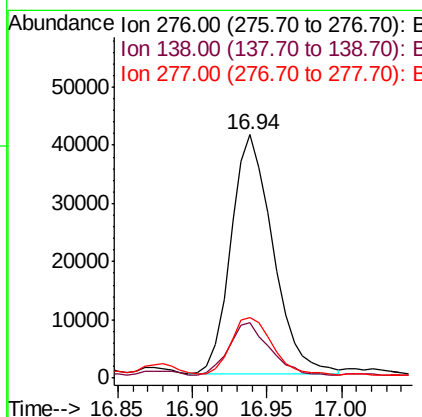
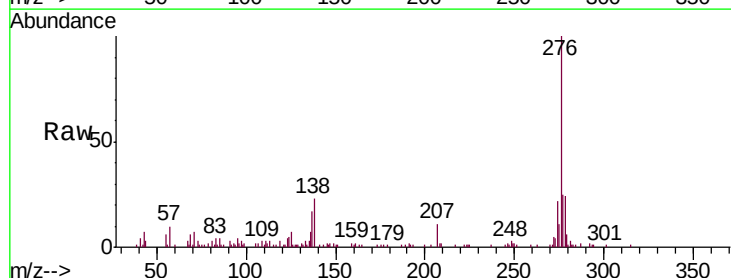
Instrument :
BNA_F
ClientSampleId :
PS-2

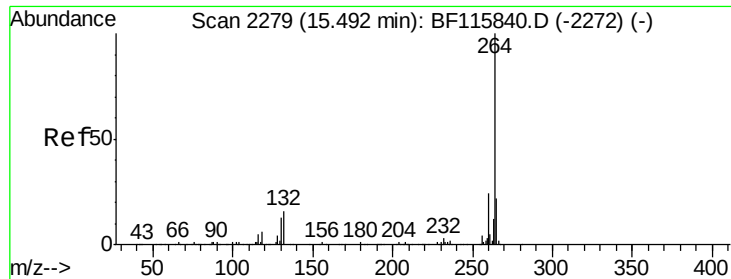
Tgt Ion: 228 Resp: 134155
Ion Ratio Lower Upper
228 100
226 29.3 25.5 38.3
229 24.6 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.772 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion: 276 Resp: 80028
Ion Ratio Lower Upper
276 100
138 22.4 20.4 30.6
277 23.6 20.0 30.0

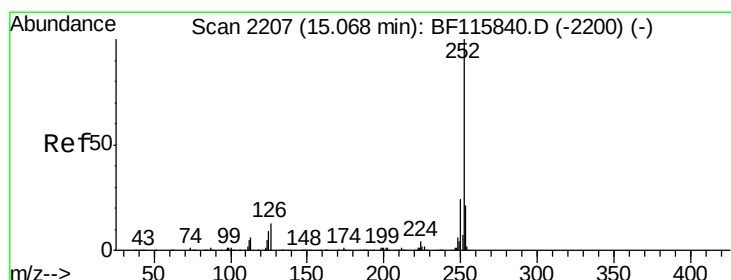
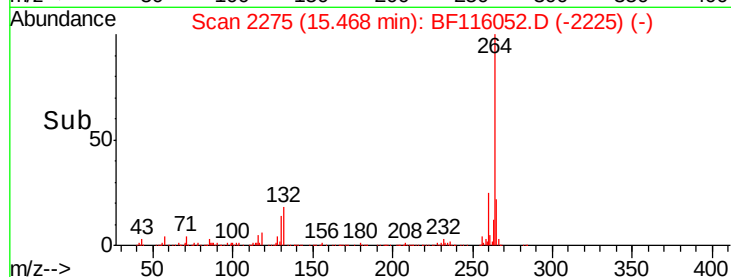
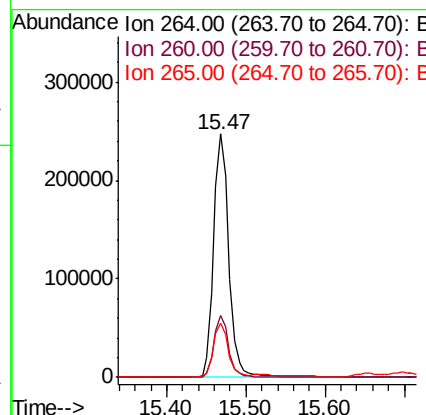
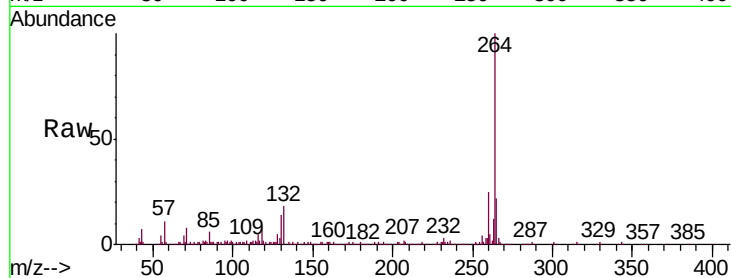




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

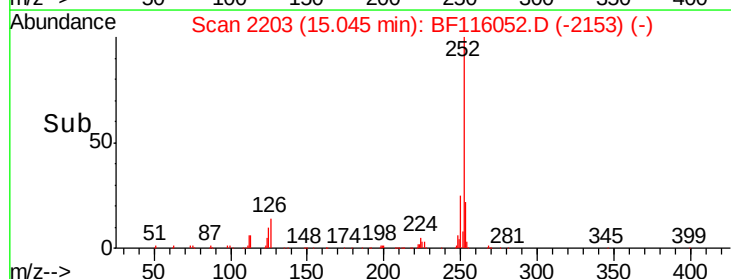
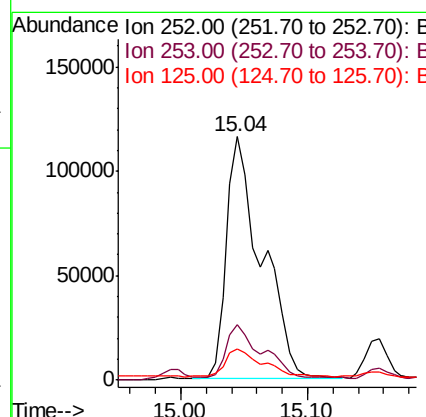
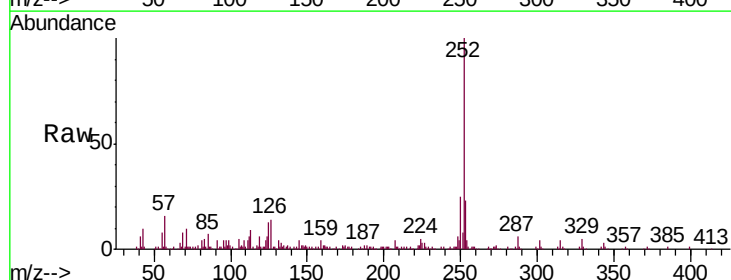
Instrument :
BNA_F
ClientSampleId :
PS-2

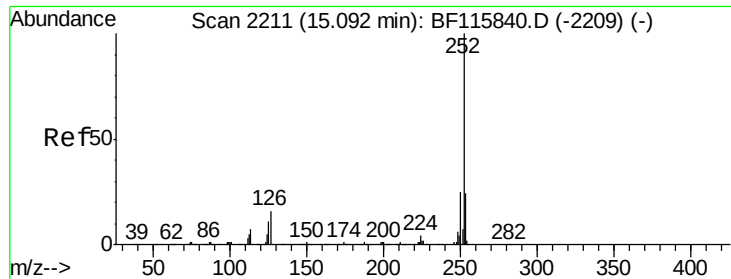
Tgt Ion: 264 Resp: 331182
Ion Ratio Lower Upper
264 100
260 25.3 19.7 29.5
265 22.4 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 11.827 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion: 252 Resp: 226471
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.5 8.4 12.6

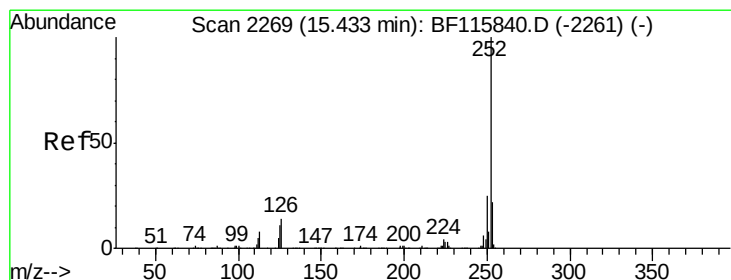
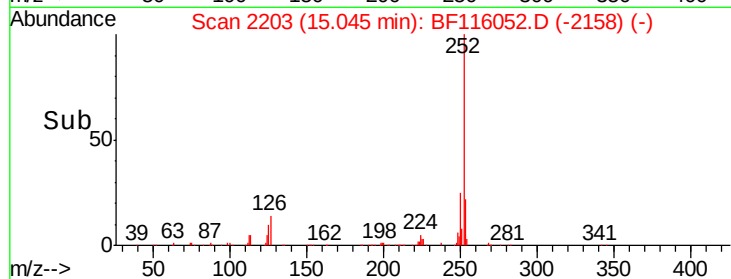
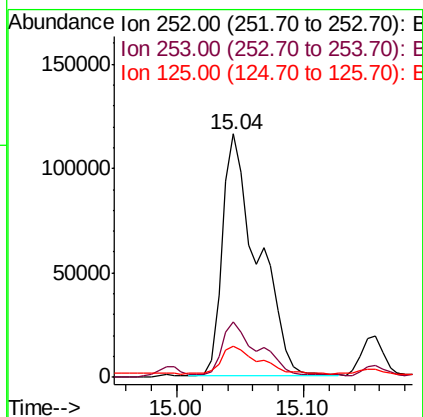
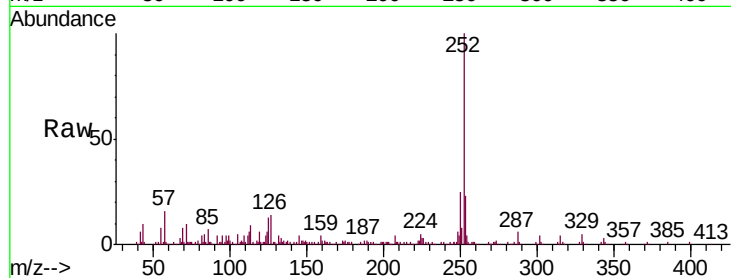




#89
Benzo(k)fluoranthene
Concen: 12.142 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

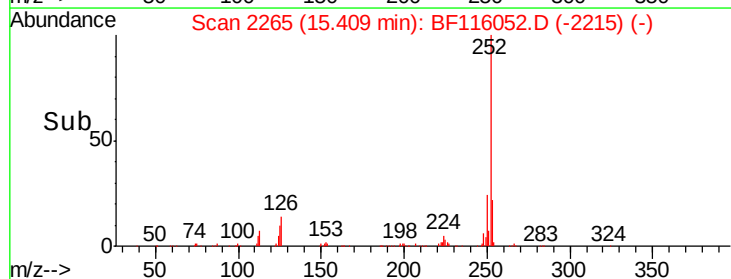
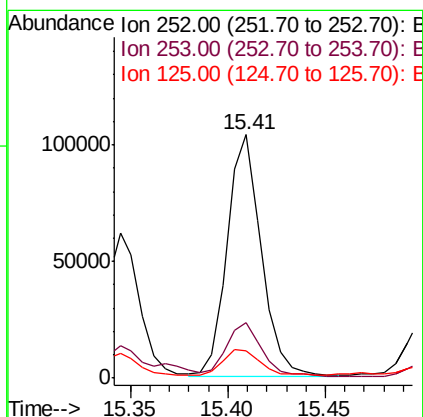
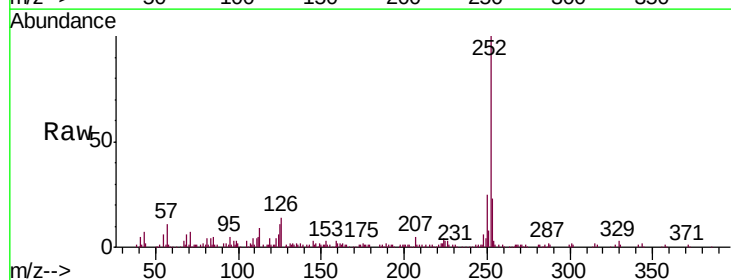
Instrument :
BNA_F
ClientSampleId :
PS-2

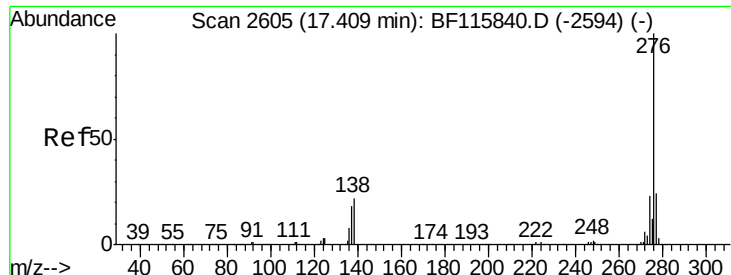
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	12.5	7.7	11.5



#90
Benzo(a)pyrene
Concen: 7.406 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116052.D
Acq: 7 Aug 2019 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.4	8.9	13.3

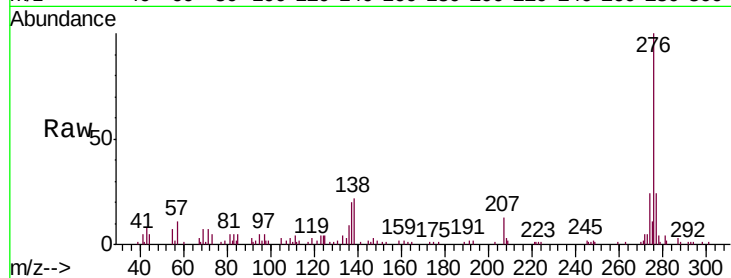




#92
 Benzo(g,h,i)perylene
 Concen: 5.324 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.01 min
 Lab File: BF116052.D
 Acq: 7 Aug 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PS-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.4	27.6
138	22.3	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

