

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112454.D
 Acq On : 7 Feb 2019 22:32
 Operator : JU/SJ
 Sample : K1396-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23935

Quant Time: Feb 09 03:15:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	130977	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	492035	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	216243	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	343749	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	267207	20.00	ng	0.00
87) Perylene-d12	15.48	264	249738	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	707316	114.71	ng	0.00
7) Phenol-d6	6.49	99	872117	101.78	ng	0.00
23) Nitrobenzene-d5	7.39	82	531860	62.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	193878	77.03	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	847234	55.41	ng	-0.02
79) Terphenyl-d14	12.94	244	538984	37.99	ng	-0.01

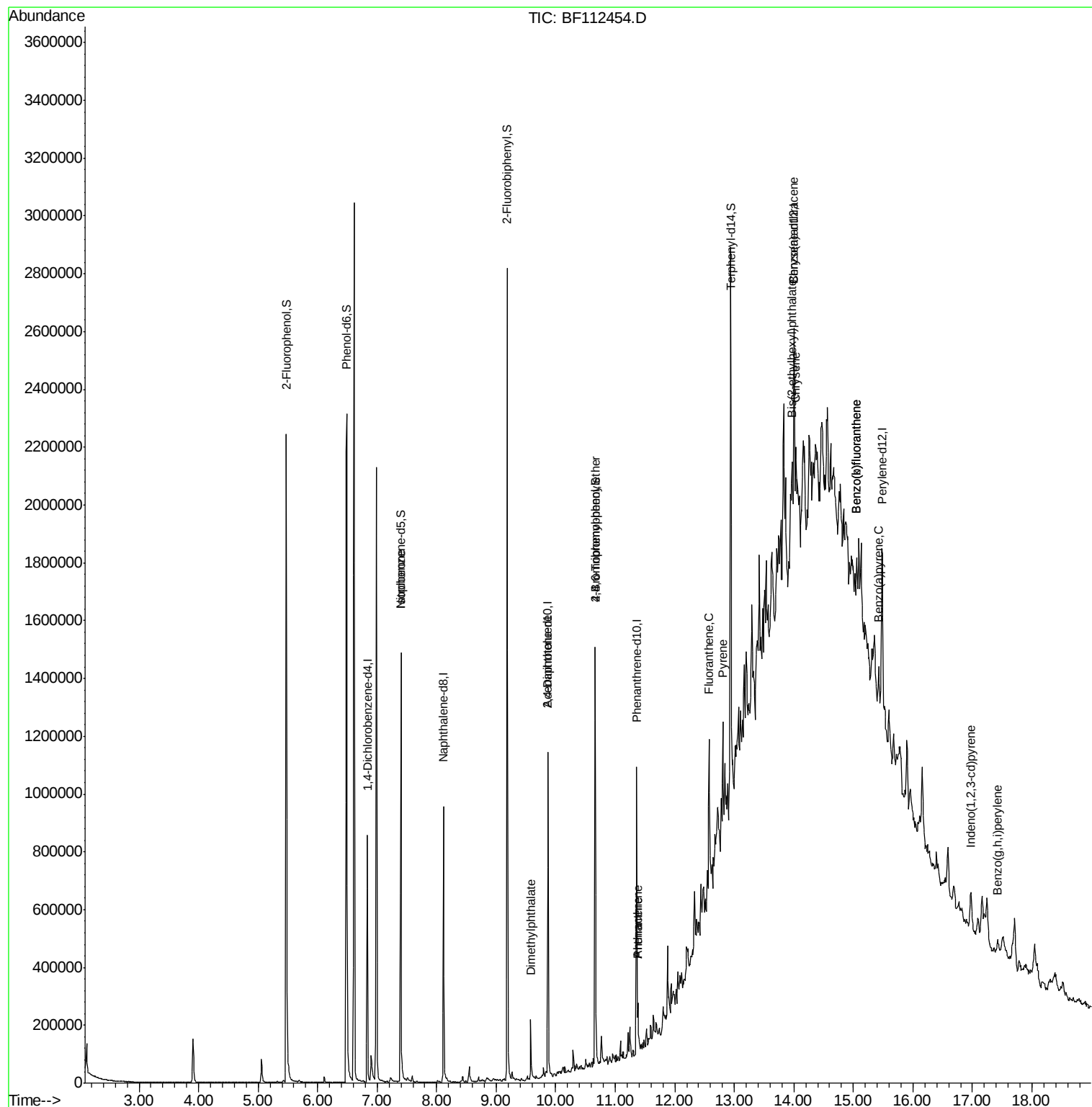
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	531928	39.707	ng	# 63
50) Dimethylphthalate	9.58	163	85116	5.066	ng	98
57) 2,4-Dinitrotoluene	9.87	165	28726	5.997	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	11556	2.858	ng	# 1
71) Phenanthrene	11.38	178	53014	2.966	ng	97
72) Anthracene	11.38	178	53014	2.978	ng	98
75) Fluoranthene	12.57	202	148313	7.738	ng	97
78) Pyrene	12.80	202	118567	6.409	ng	98
81) Benzo(a)anthracene	14.00	228	54227	3.452	ng	97
83) Chrysene	14.03	228	74791	4.988	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	59151	4.656	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	34363	2.892	ng	94
88) Benzo(b)fluoranthene	15.06	252	123660	8.280	ng	# 68
89) Benzo(k)fluoranthene	15.06	252	123660	8.644	ng	# 67
90) Benzo(a)pyrene	15.42	252	53745	3.999	ng	# 66
92) Benzo(g,h,i)perylene	17.43	276	34439	3.370	ng	# 92

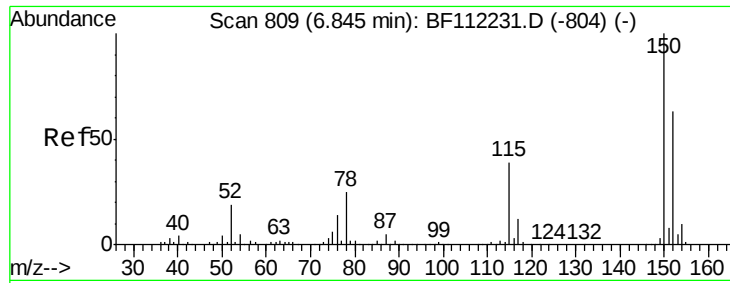
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112454.D
Acq On : 7 Feb 2019 22:32
Operator : JU/SJ
Sample : K1396-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
23935

Quant Time: Feb 09 03:15:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

ClientSampleId :

23935

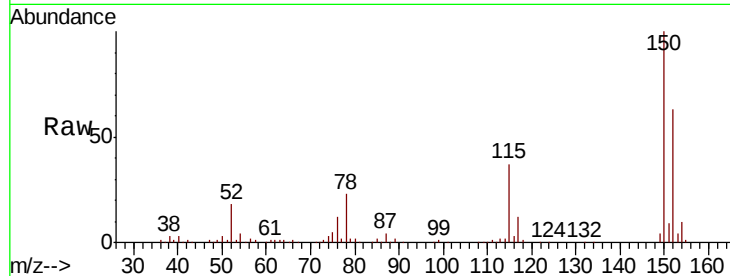
Tot Ion:152 Resp: 130977

Ion Ratio Lower Upper

152 100

150 158.3 127.4 191.0

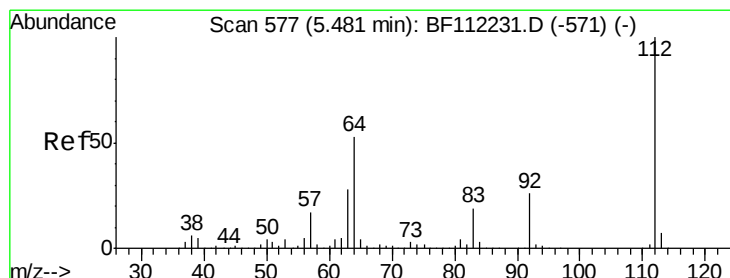
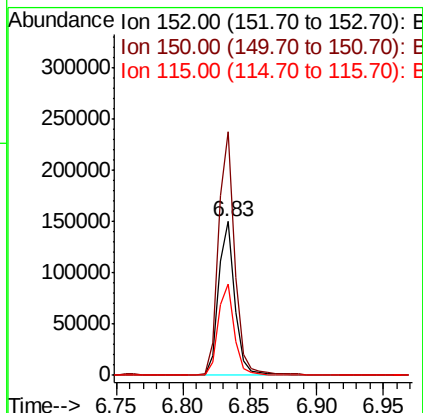
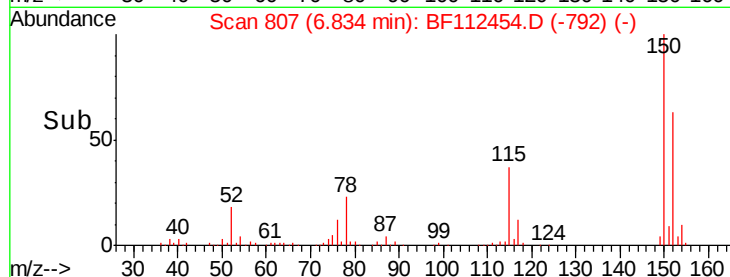
115 59.2 45.5 68.3



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: 114.706 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

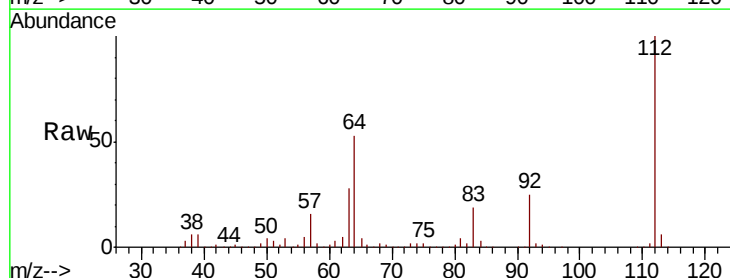
Tgt Ion:112 Resp: 707316

Ion Ratio Lower Upper

112 100

64 52.9 45.7 68.5

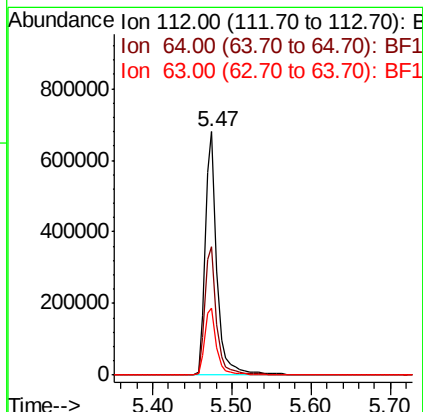
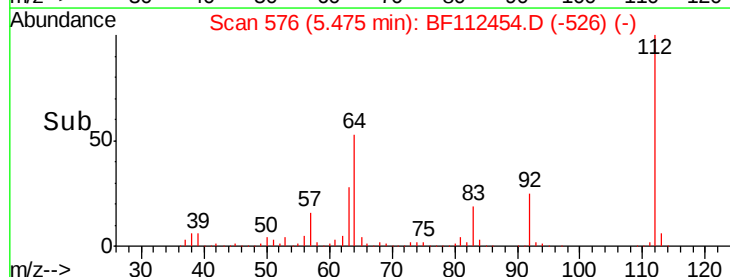
63 27.8 23.6 35.4



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: 101.782 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

ClientSampleId :

23935

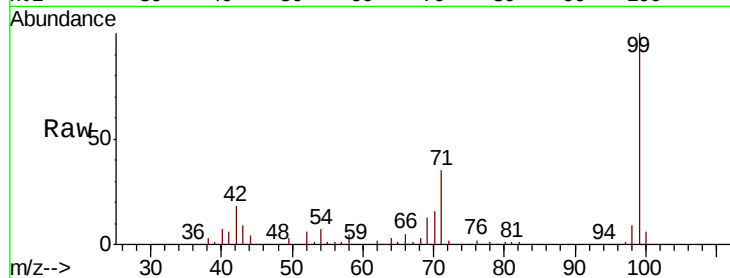
Tot Ion: 99 Resp: 872117

Ion Ratio Lower Upper

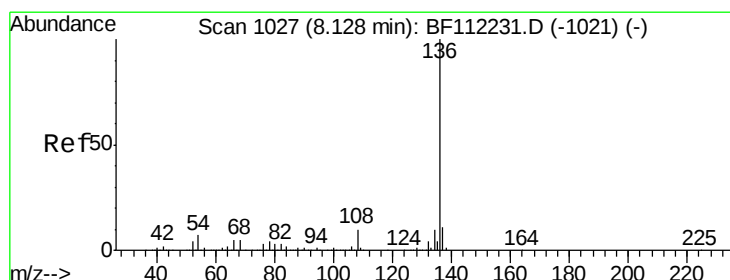
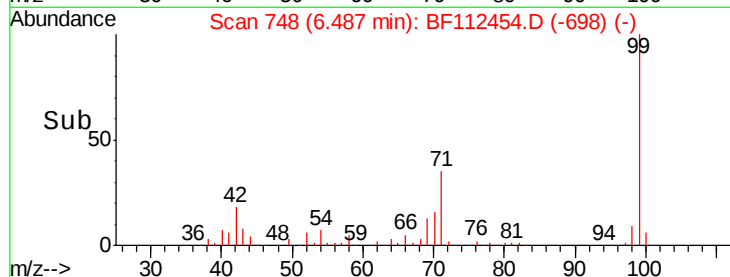
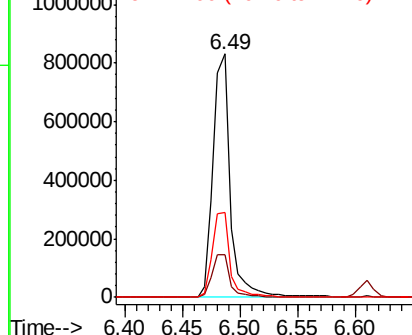
99 100

42 17.7 15.1 22.7

71 34.9 26.9 40.3



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Tgt Ion: 136 Resp: 492035

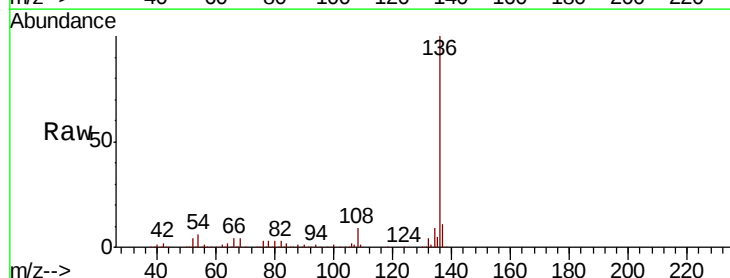
Ion Ratio Lower Upper

136 100

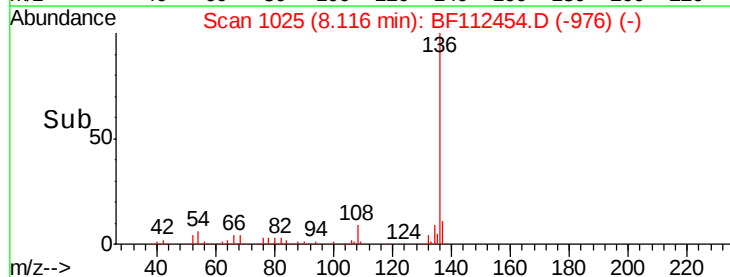
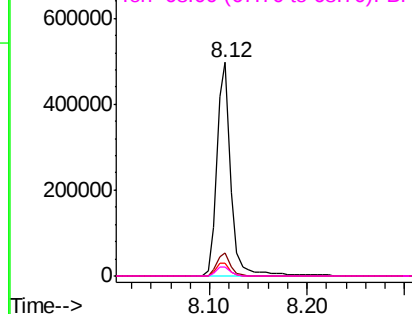
137 10.7 9.1 13.7

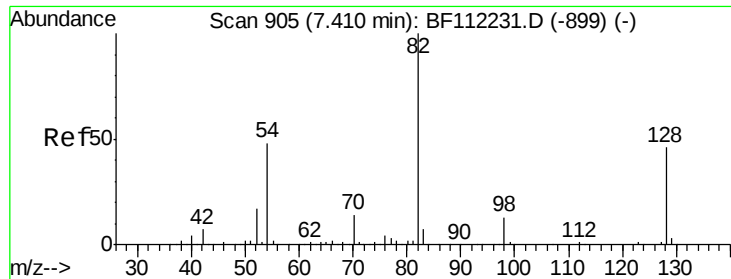
54 6.0 5.9 8.9

68 4.2 5.1 7.7#



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

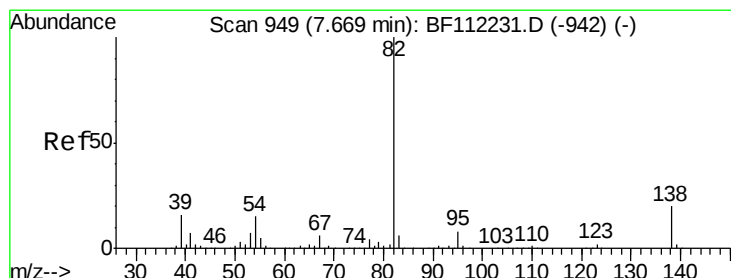
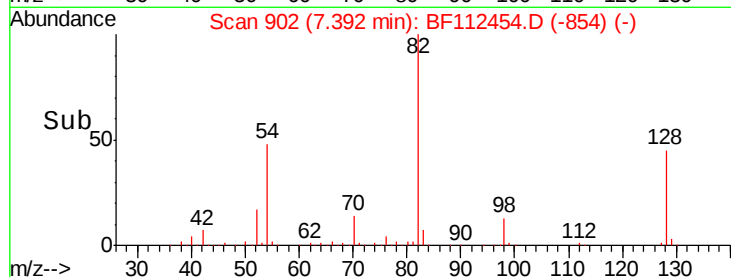
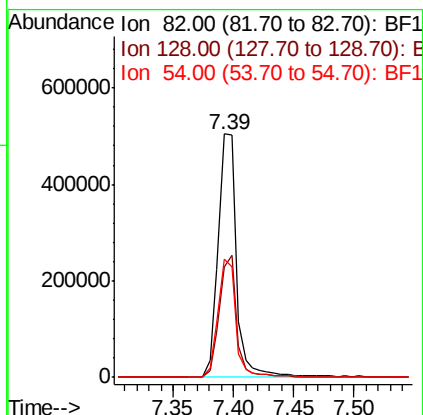
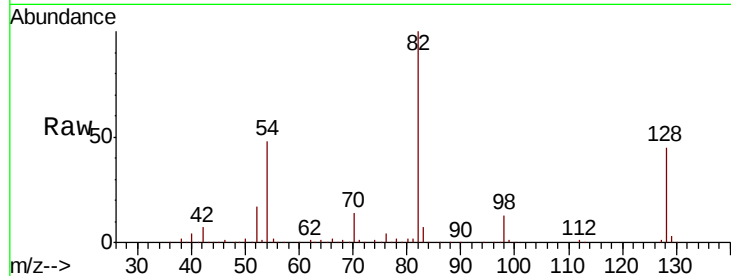




#23
Nitrobenzene-d5
Concen: 62.283 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

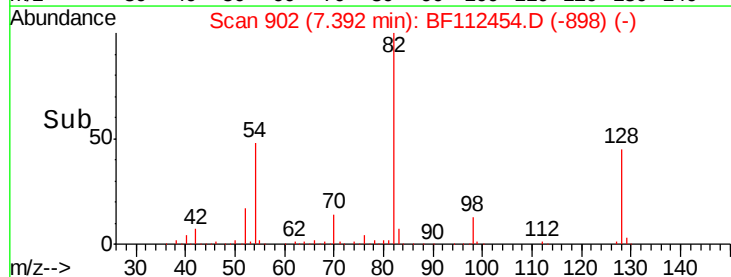
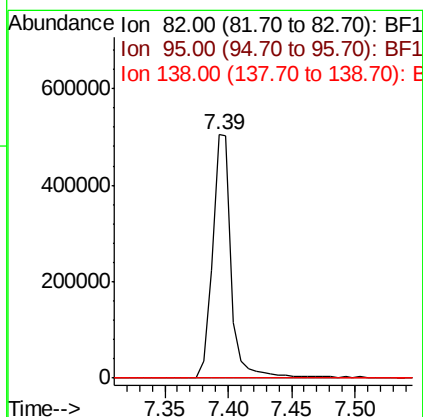
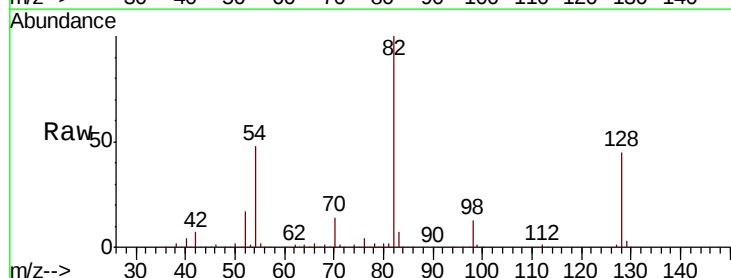
Instrument :
BNA_F
ClientSampleId :
23935

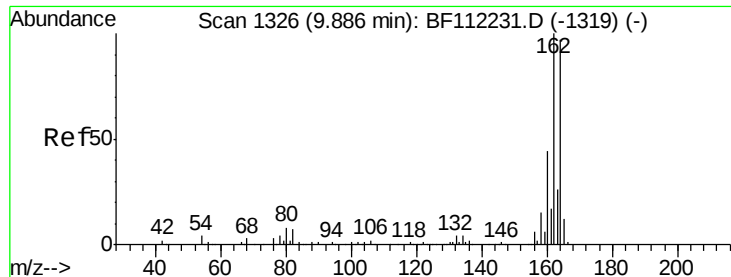
Tot Ion: 82 Resp: 531860
Ion Ratio Lower Upper
82 100
128 45.2 37.8 56.8
54 48.5 39.7 59.5



#25
Isophorone
Concen: 39.707 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion: 82 Resp: 531928
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#

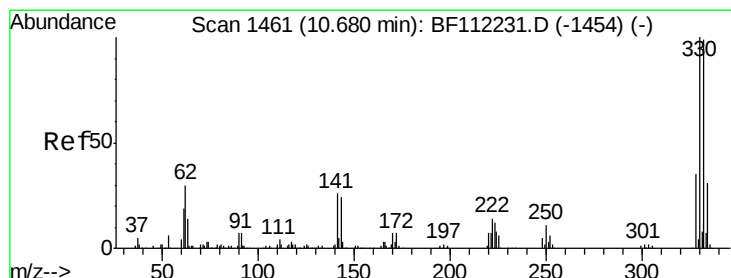
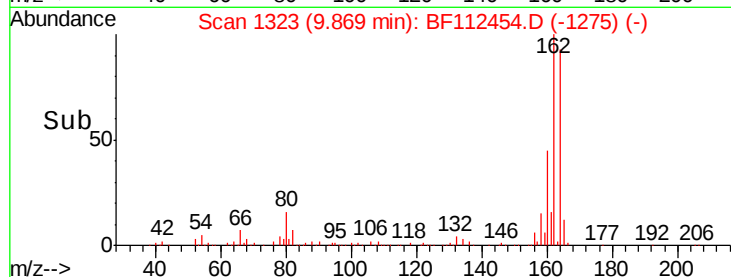
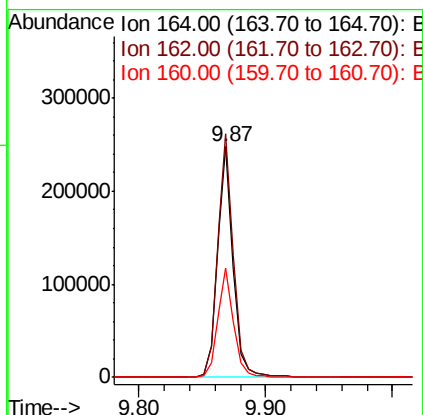
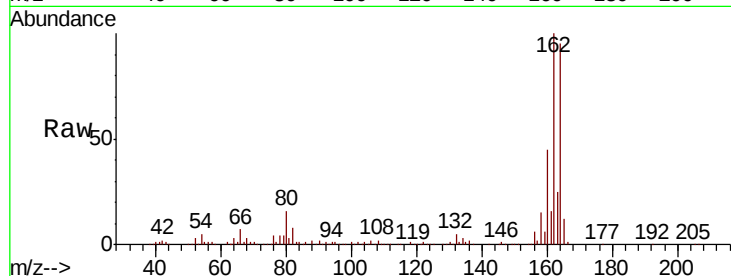




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

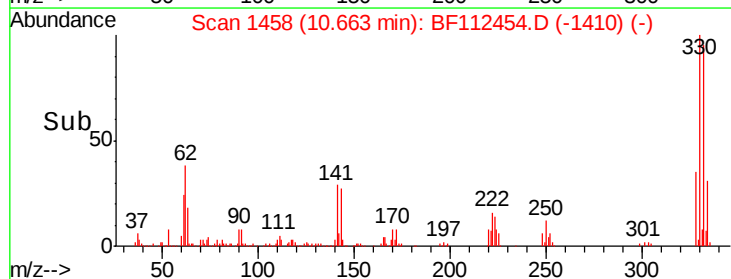
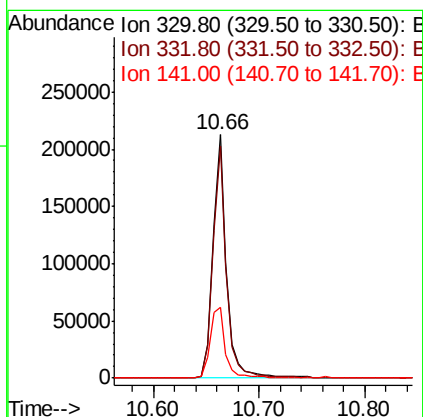
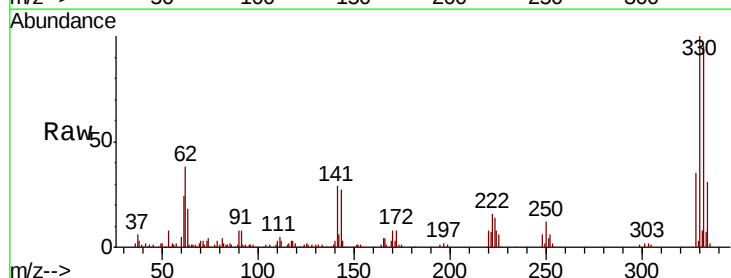
Instrument :
 BNA_F
 ClientSampleId :
 23935

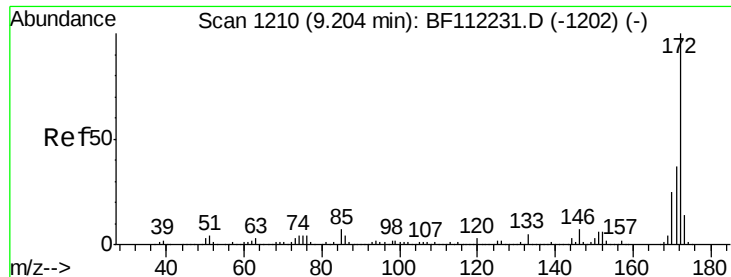
Tot Ion:164 Resp: 216243
 Ion Ratio Lower Upper
 164 100
 162 105.7 82.2 123.4
 160 47.3 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 77.027 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Tgt Ion:330 Resp: 193878
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 114.8
 141 33.0 24.3 36.5

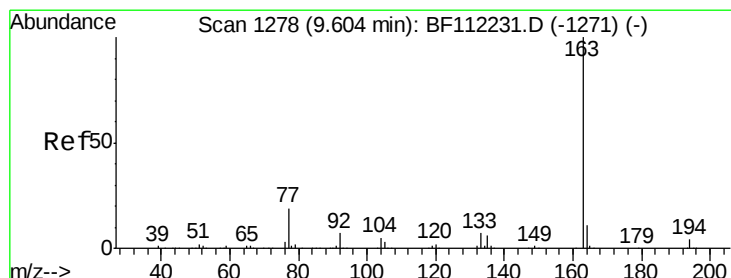
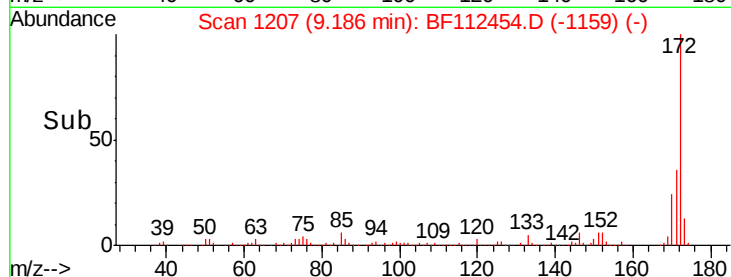
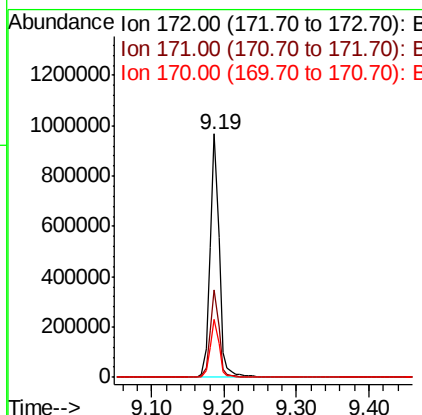
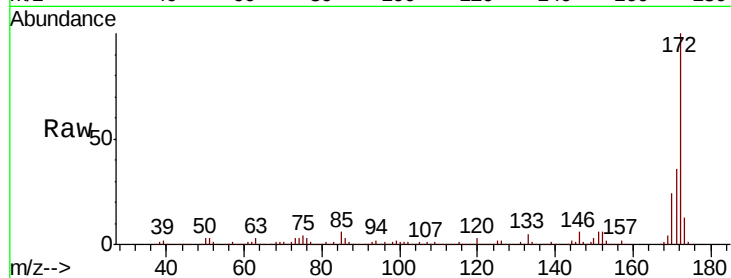




#45
2-Fluorobiphenyl
Concen: 55.413 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

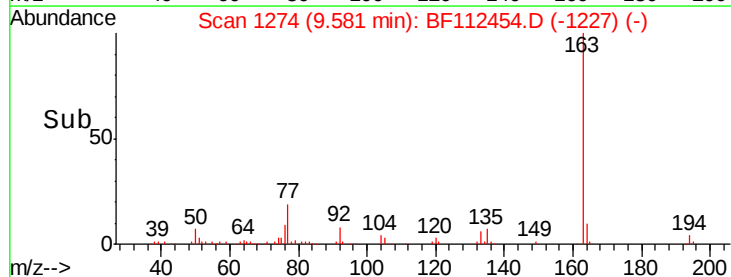
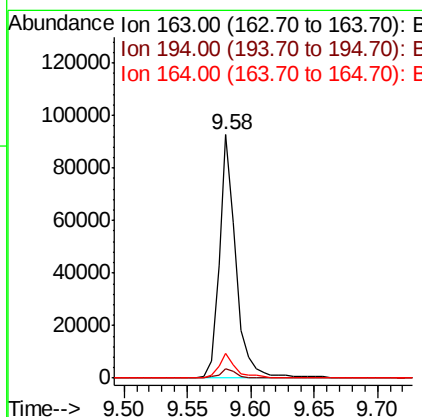
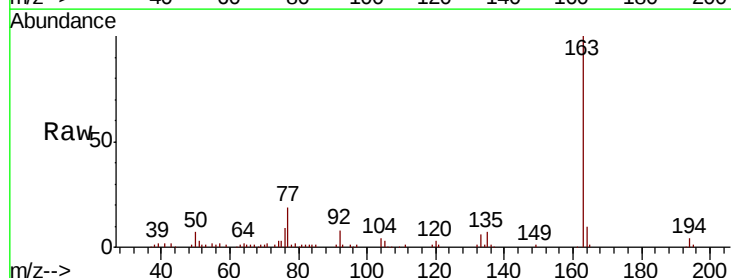
Instrument :
BNA_F
ClientSampleId :
23935

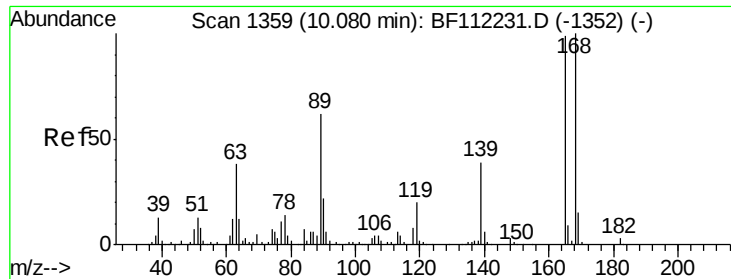
Tot Ion:172 Resp: 847234
Ion Ratio Lower Upper
172 100
171 36.1 30.5 45.7
170 23.8 20.2 30.4



#50
Dimethylphthalate
Concen: 5.066 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion:163 Resp: 85116
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.5 12.7

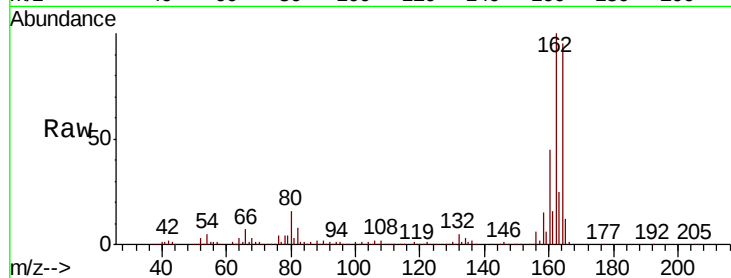




#57
2,4-Dinitrotoluene
Concen: 5.997 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampleID :
23935

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	27.9	41.9#
89	1.2	47.9	71.9#
182	0.0	2.2	3.4#

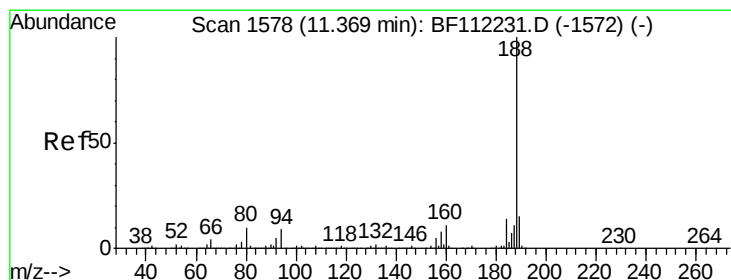
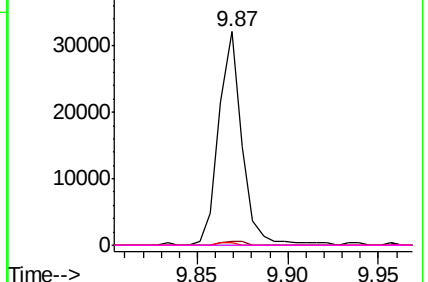
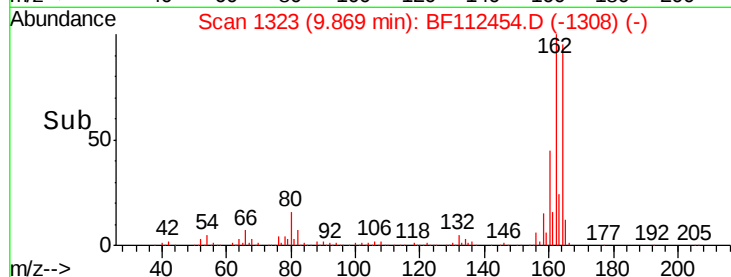


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

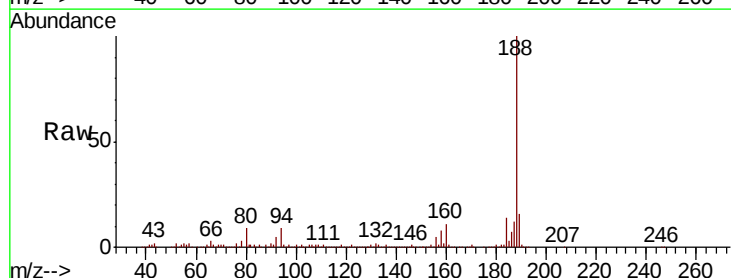
Ion 89.00 (88.70 to 89.70): BF1

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: BF112454.D
Acq: 7 Feb 2019 22:32

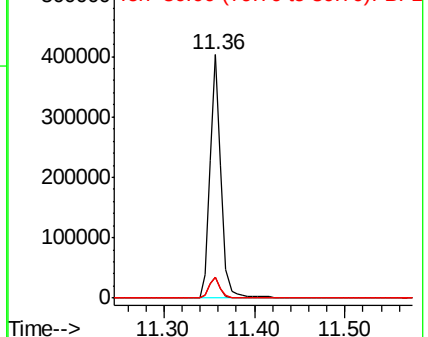
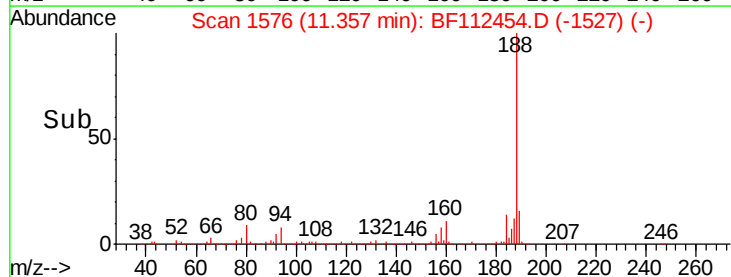
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	8.8	8.9	13.3#

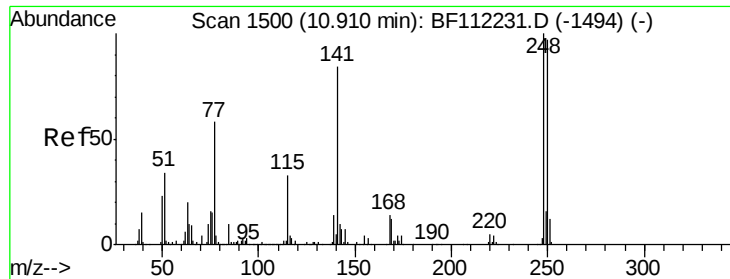


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

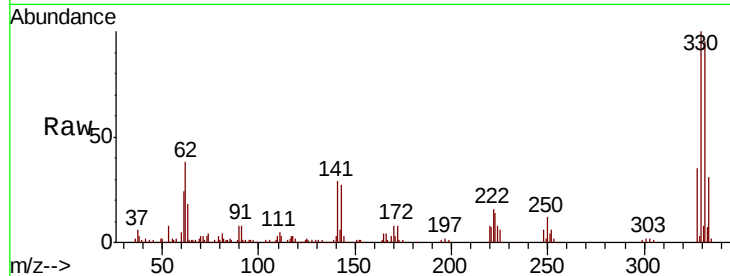




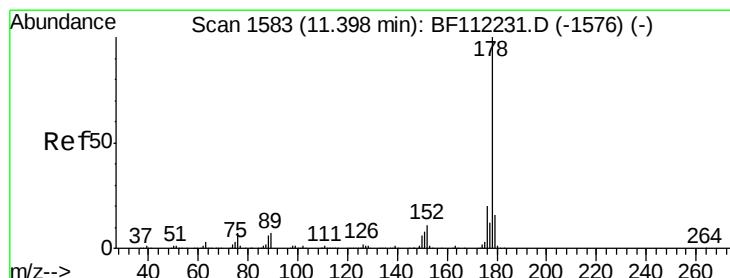
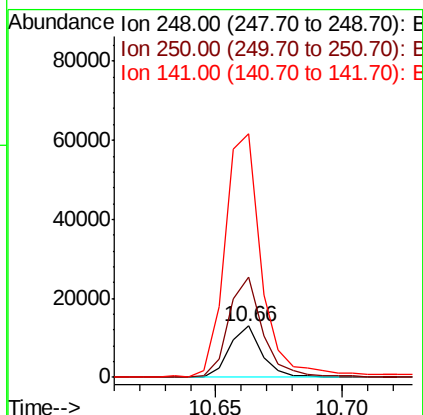
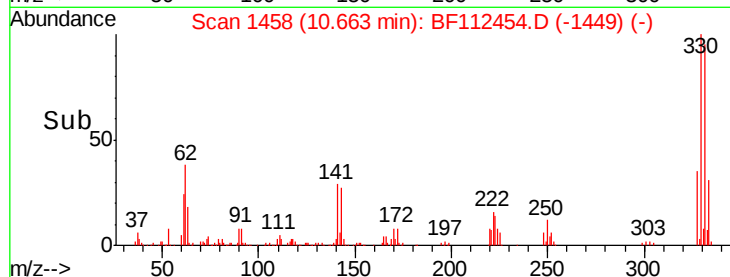
#67
 4-Bromophenyl-phenylether
 Concen: 2.858 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Instrument :
 BNA_F
 ClientSampleId :
 23935

Tot Ion:248 Resp: 11556
 Ion Ratio Lower Upper
 248 100
 250 195.0 79.7 119.5#
 141 475.9 60.3 90.5#

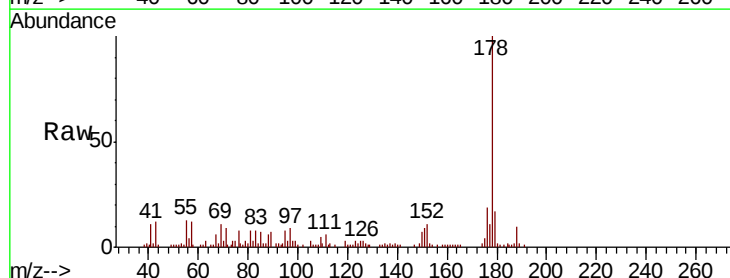


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

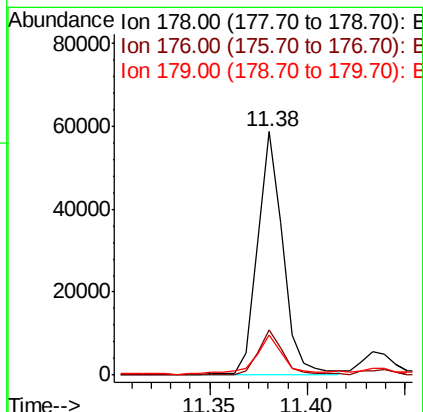
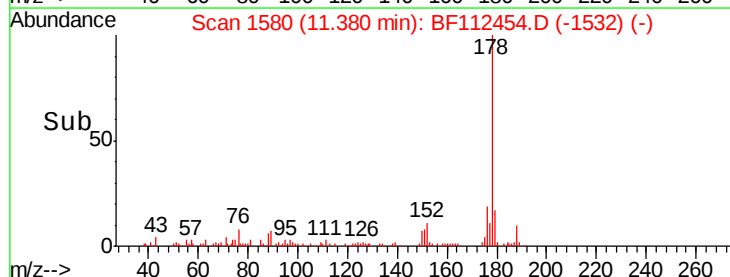


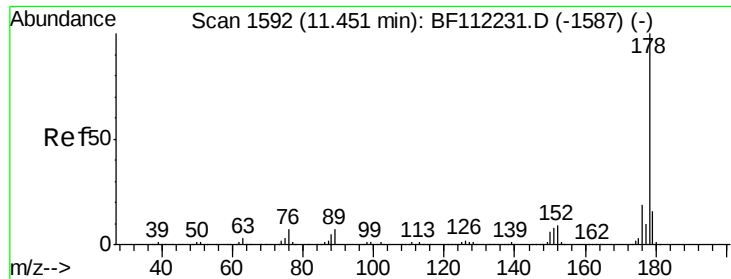
#71
 Phenanthrene
 Concen: 2.966 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Tgt Ion:178 Resp: 53014
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.3 24.5
 179 16.7 13.0 19.4



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: 2.978 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.07 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

ClientSampleId :

23935

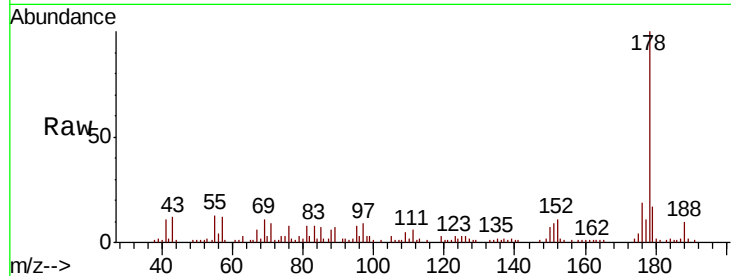
Tot Ion:178 Resp: 53014

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

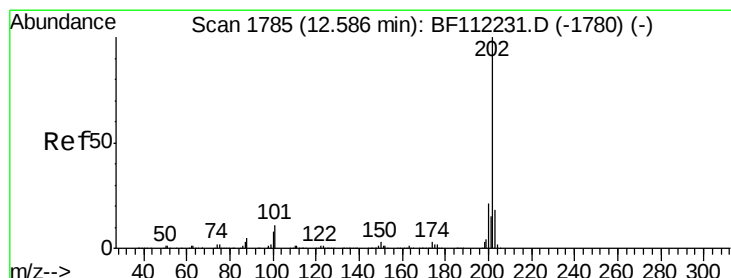
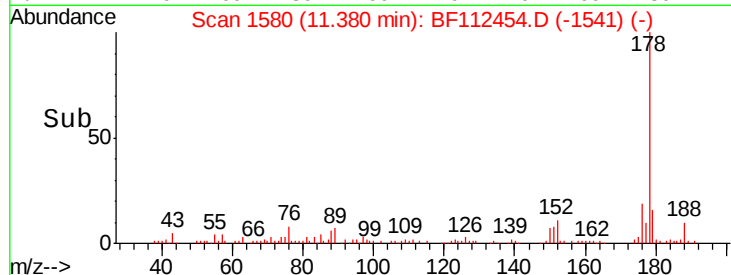
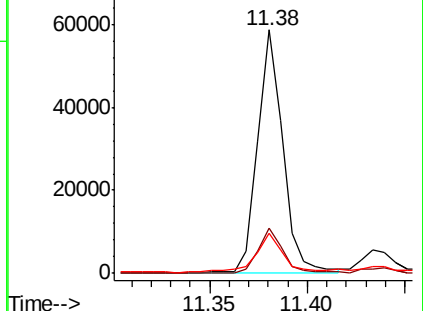
179 16.7 12.8 19.2



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



#75

Fluoranthene

Concen: 7.738 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

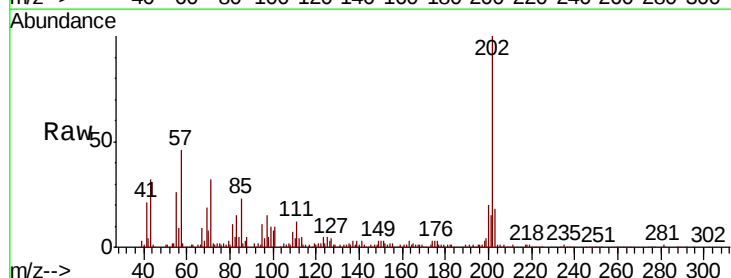
Tgt Ion:202 Resp: 148313

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.8

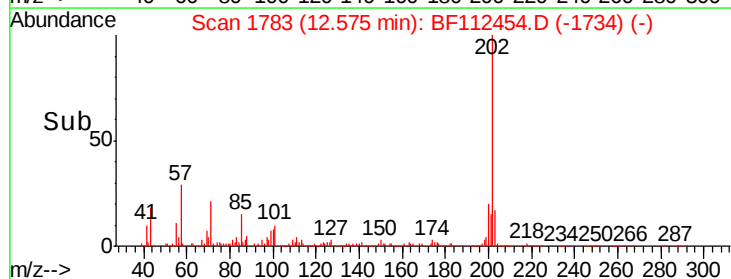
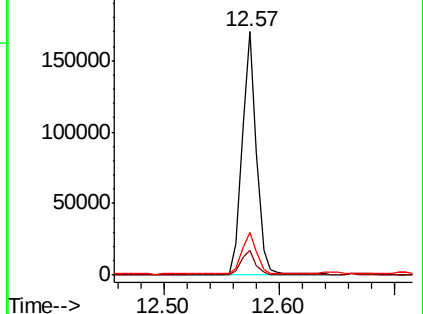
203 17.6 0.0 38.4

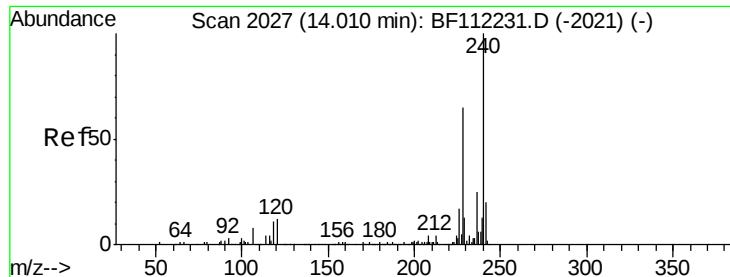


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

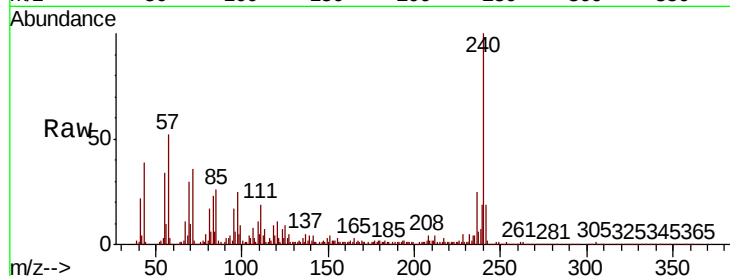




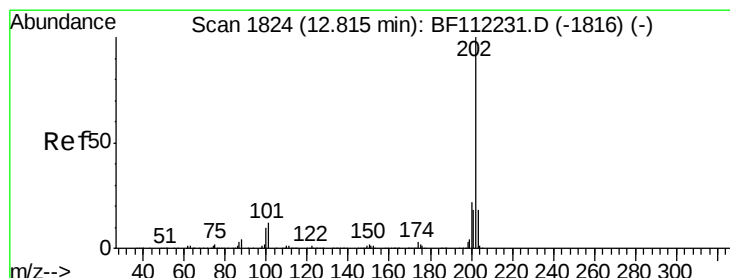
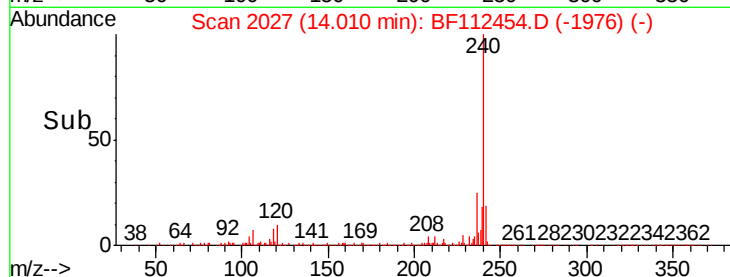
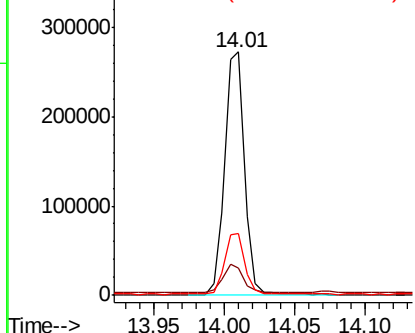
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampleId :
23935

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.6
236	25.2	20.7	31.1

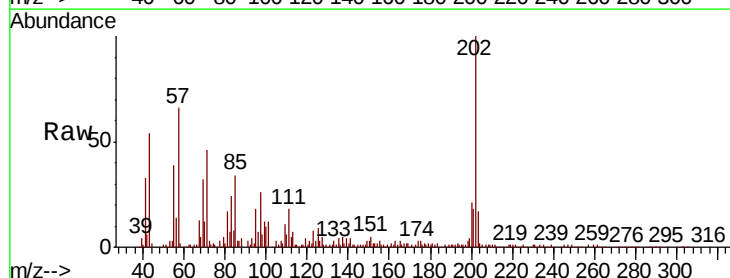


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

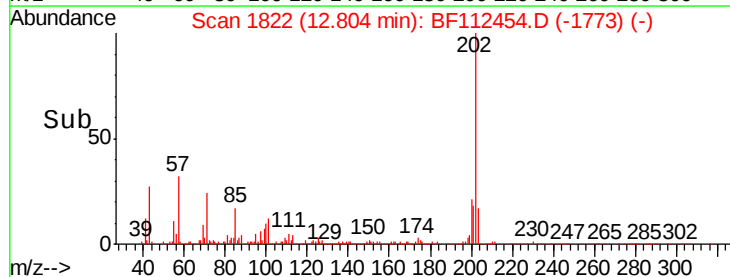
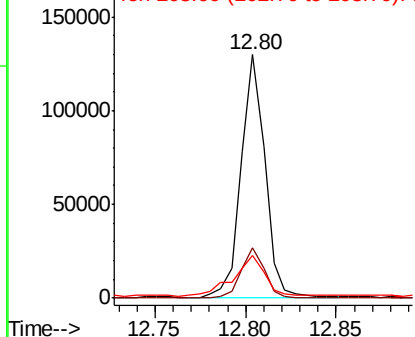


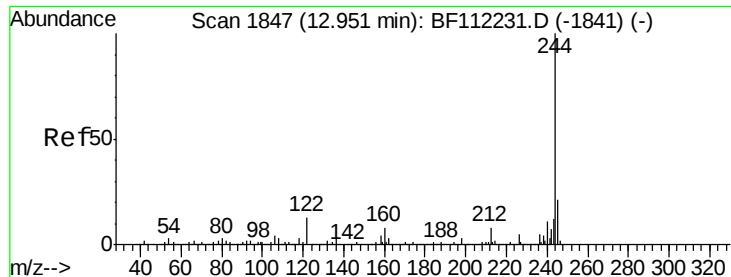
#78
Pyrene
Concen: 6.409 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.7	26.5
203	17.4	14.6	22.0



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: 37.991 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

ClientSampleId :

23935

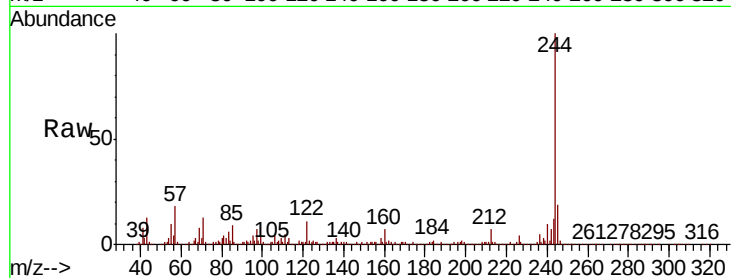
Tot Ion:244 Resp: 538984

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

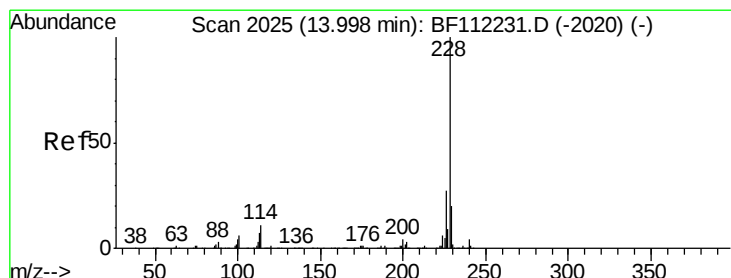
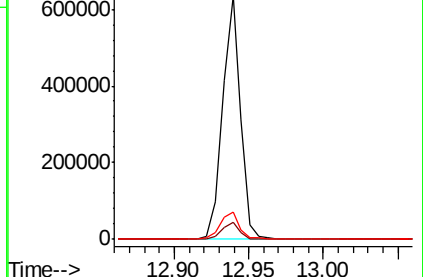
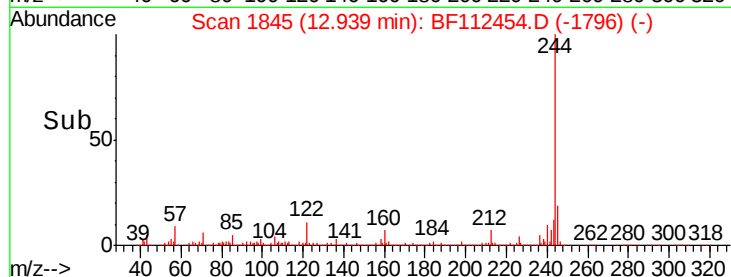
122 11.2 9.8 14.6



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: 3.452 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

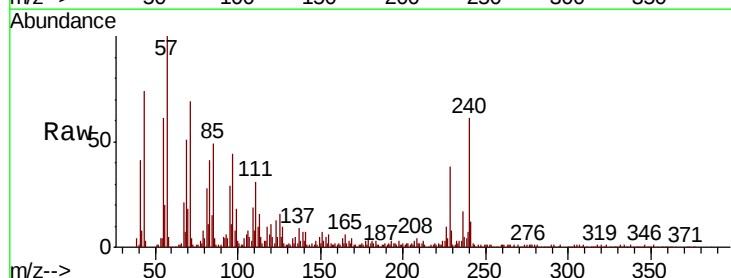
Tgt Ion:228 Resp: 54227

Ion Ratio Lower Upper

228 100

226 26.0 22.6 34.0

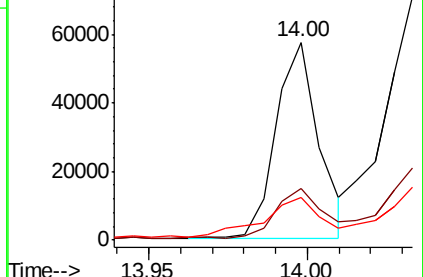
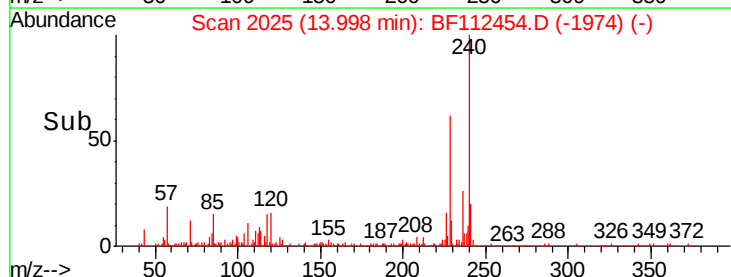
229 21.5 16.5 24.7

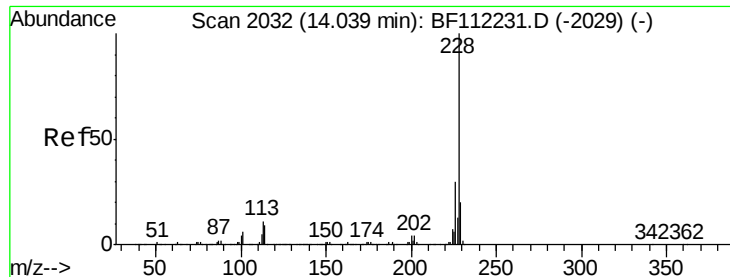


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

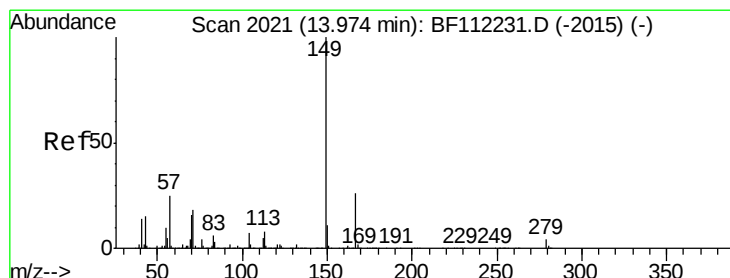
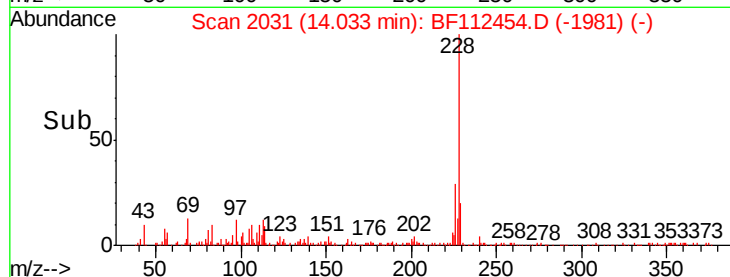
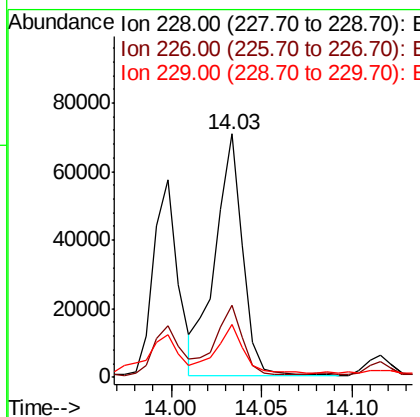
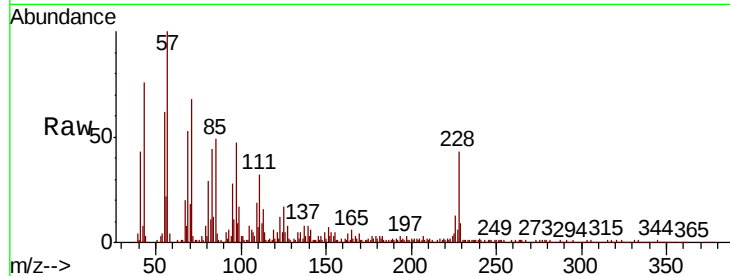




#83
Chrysene
Concen: 4.988 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

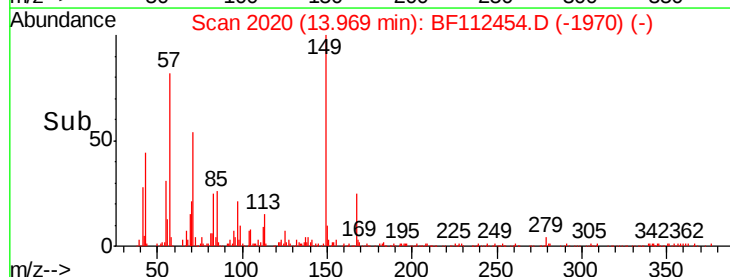
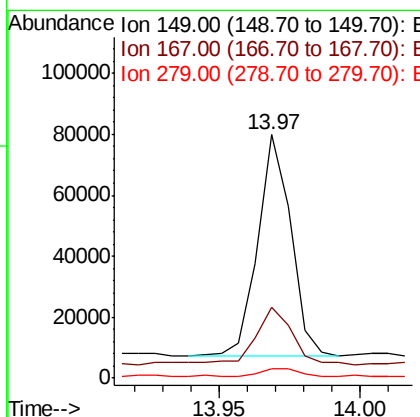
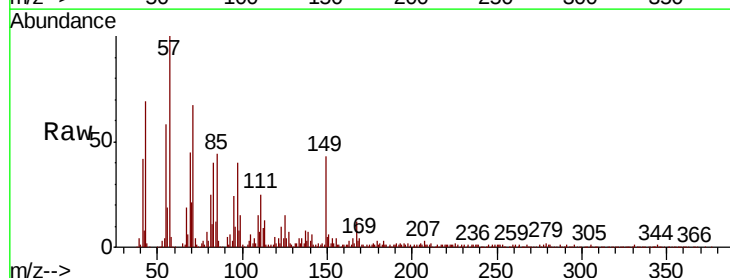
Instrument :
BNA_F
ClientSampleId :
23935

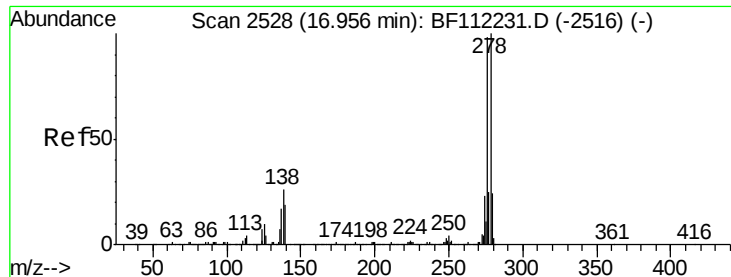
Tot Ion: 228 Resp: 74791
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 21.6 16.6 24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.656 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion: 149 Resp: 59151
Ion Ratio Lower Upper
149 100
167 29.0 22.5 33.7
279 4.0 3.8 5.6

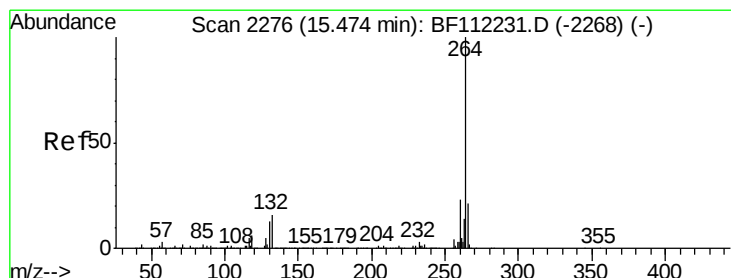
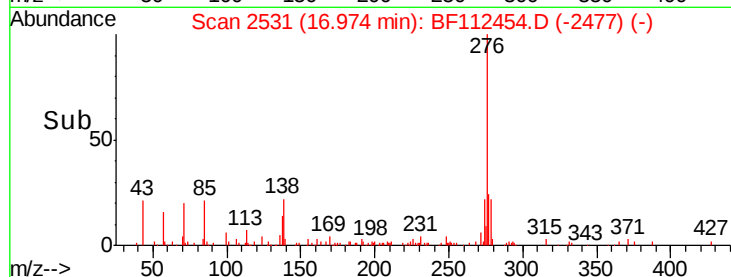
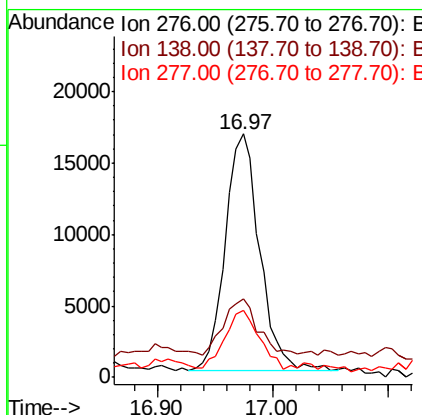
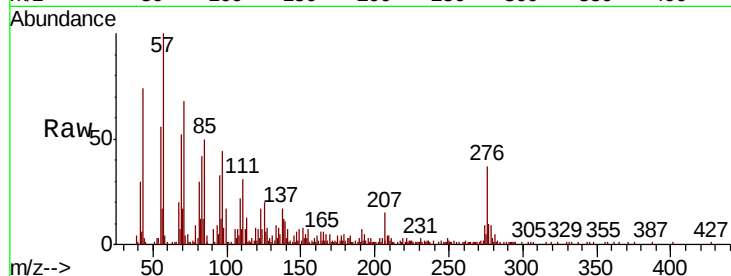




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.892 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.02 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

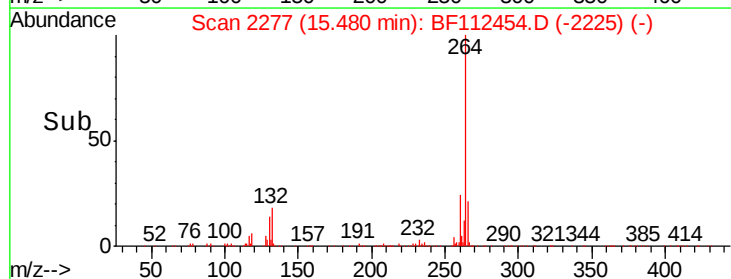
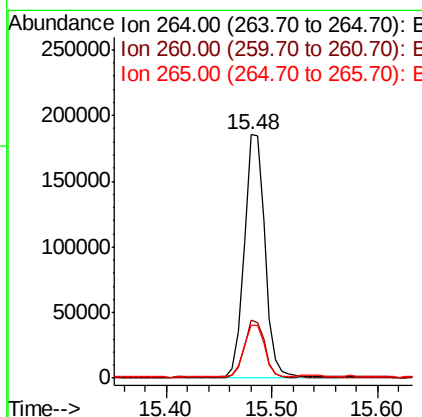
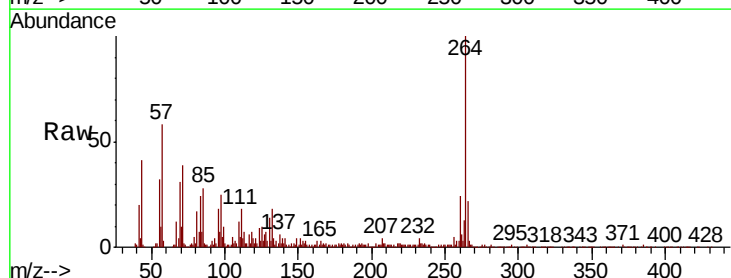
Instrument :
 BNA_F
 ClientSampleId :
 23935

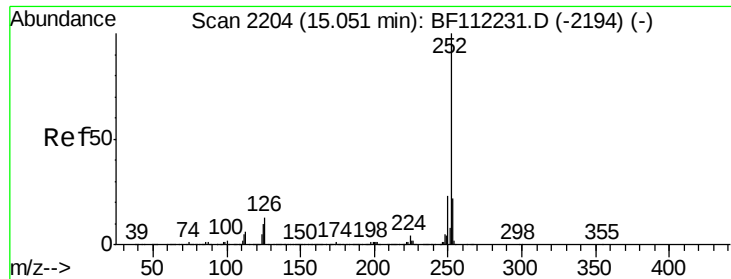
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.6	34.0
277	24.3	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.01 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.9	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 8.280 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

ClientSampleId :

23935

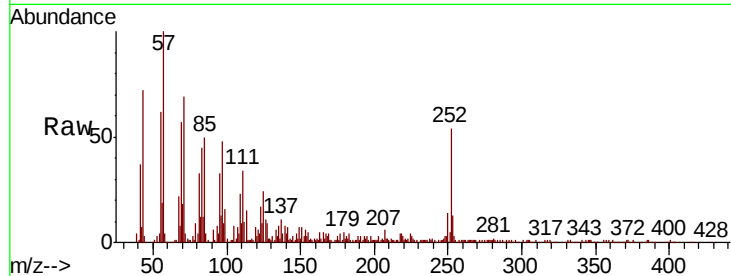
Tot Ion:252 Resp: 123660

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

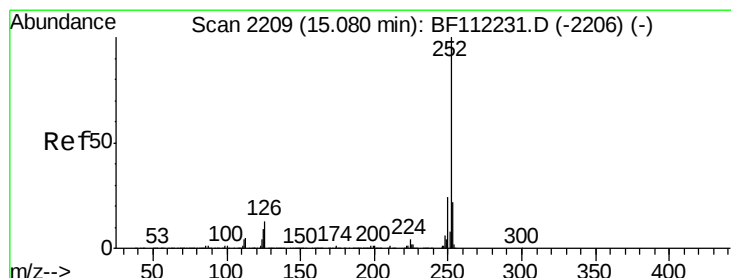
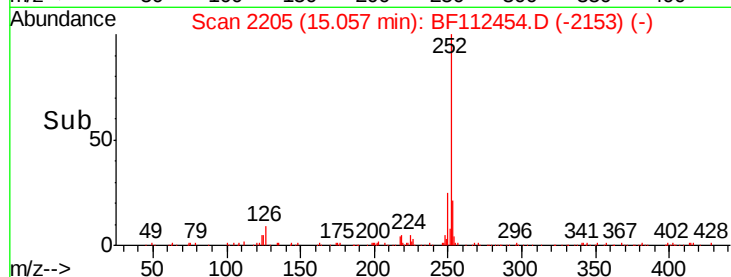
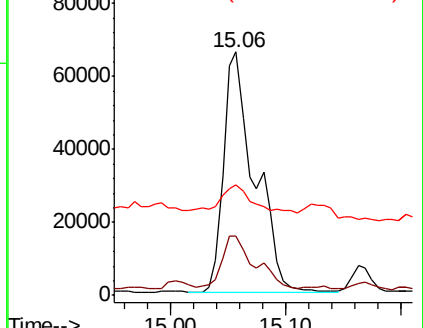
125 45.6 8.7 13.1#



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: 8.644 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

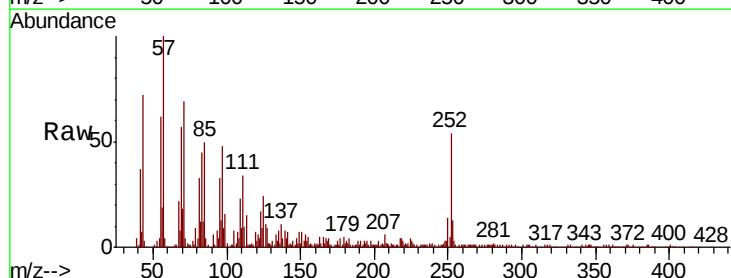
Tgt Ion:252 Resp: 123660

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

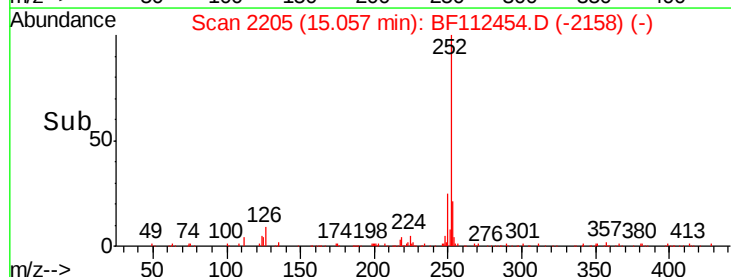
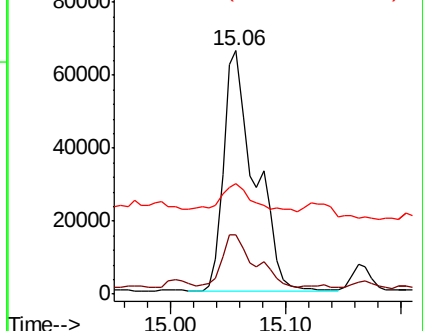
125 45.6 9.1 13.7#

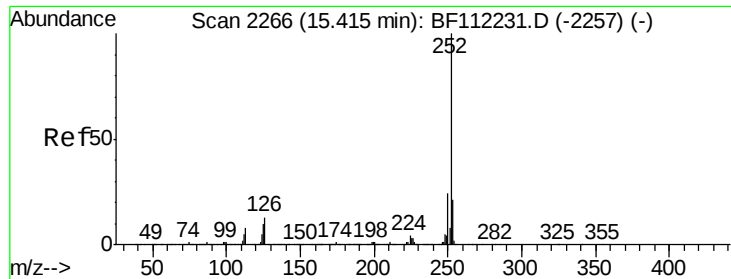


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.999 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

ClientSampleId :

23935

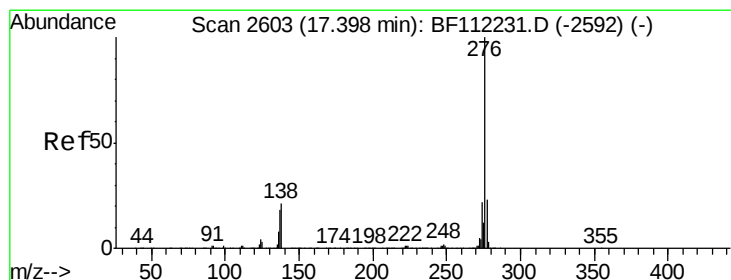
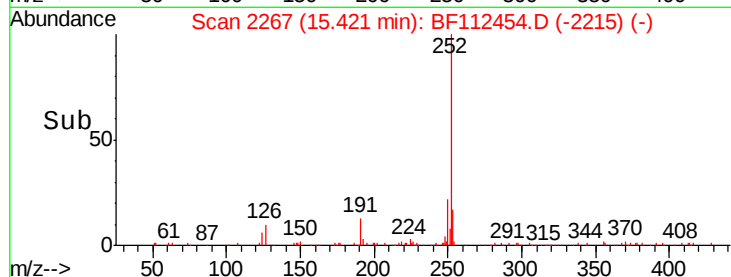
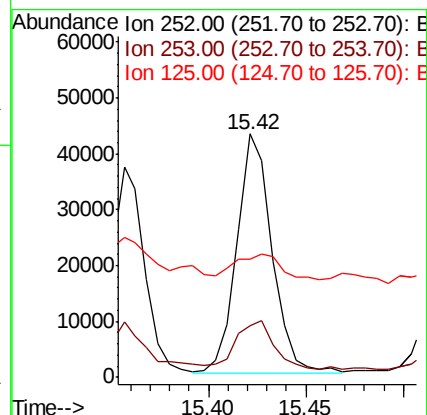
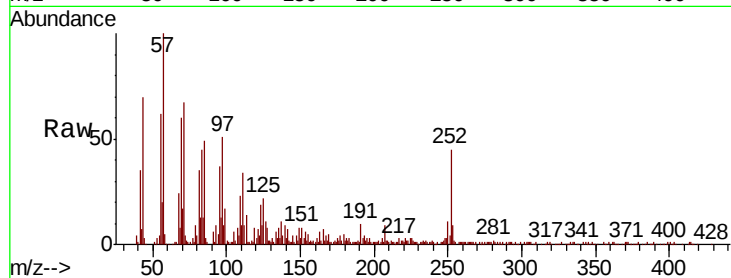
Tot Ion:252 Resp: 53745

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 48.5 9.0 13.4#



#92

Benzo(g,h,i)perylene

Concen: 3.370 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.03 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Tgt Ion:276 Resp: 34439

Ion Ratio Lower Upper

276 100

277 26.4 19.4 29.0

138 29.2 19.1 28.7#

