

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113087.D
 Acq On : 18 Mar 2019 13:48
 Operator : JU/SJ
 Sample : K1933-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3

Quant Time: Mar 19 04:48:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	187331	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	699825	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	319304	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	572207	20.00	ng	0.00
76) Chrysene-d12	13.86	240	423291	20.00	ng	0.00
87) Perylene-d12	15.27	264	424166	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1136633	94.38	ng	0.00
7) Phenol-d6	6.38	99	1479893	97.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	877955	75.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	398701	117.62	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1390170	68.55	ng	0.00
79) Terphenyl-d14	12.82	244	1089547	49.90	ng	0.00

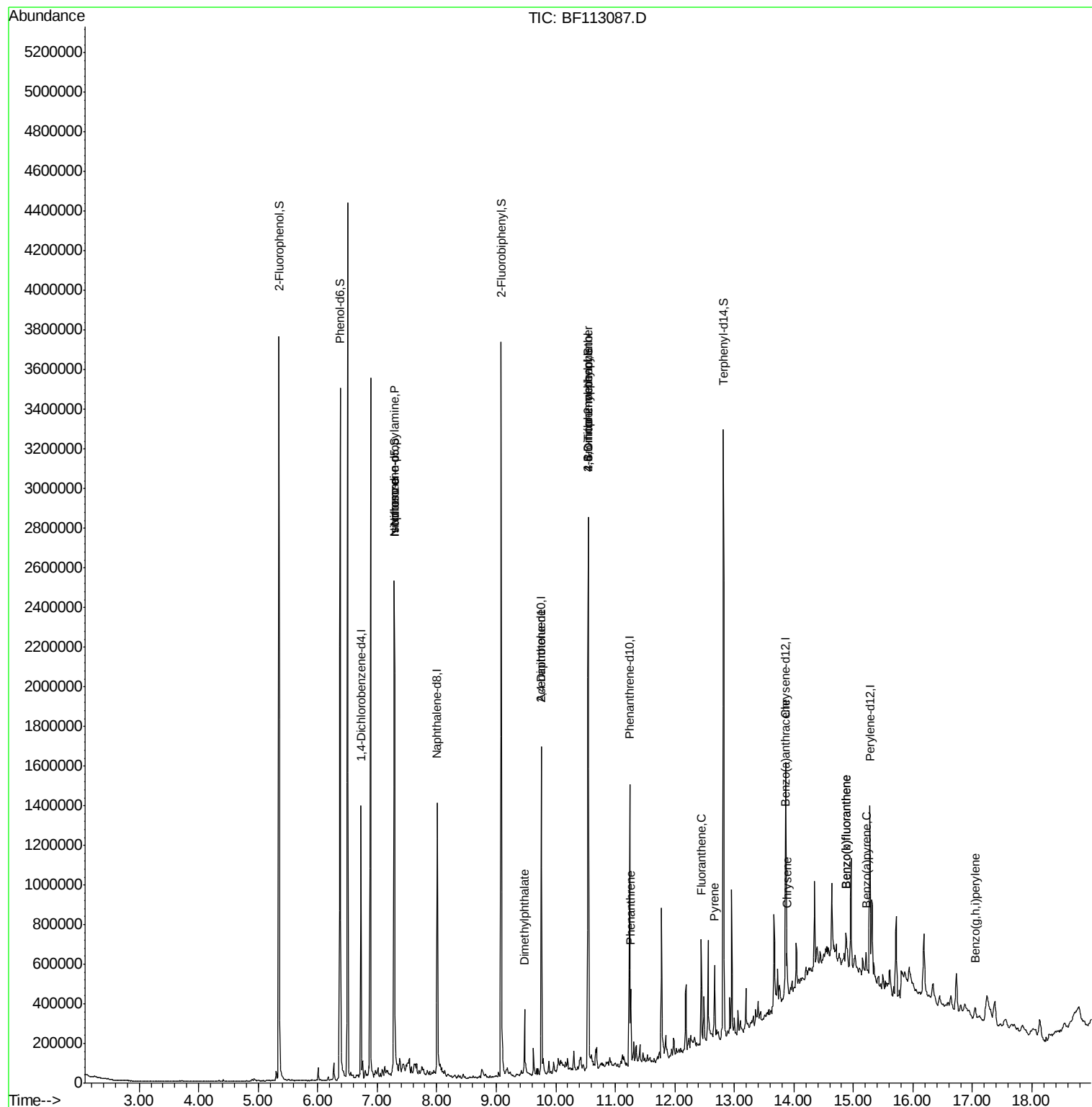
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	123836	12.925	ng	# 76
25) Isophorone	7.29	82	861416	34.189	ng	# 66
50) Dimethylphthalate	9.47	163	120387	5.113	ng	# 98
57) 2,4-Dinitrotoluene	9.76	165	42186	6.922	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	584	4.837	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	22563	3.744	ng	# 1
71) Phenanthrene	11.26	178	132660	4.660	ng	98
75) Fluoranthene	12.45	202	193181	6.333	ng	95
78) Pyrene	12.67	202	153353	4.297	ng	99
81) Benzo(a)anthracene	13.85	228	77009	2.625	ng	99
83) Chrysene	13.89	228	74530	2.594	ng	96
88) Benzo(b)fluoranthene	14.87	252	118694	4.326	ng	# 93
89) Benzo(k)fluoranthene	14.87	252	118694	4.776	ng	# 93
90) Benzo(a)pyrene	15.22	252	62430	2.573	ng	# 91
92) Benzo(g,h,i)perylene	17.04	276	44822	2.156	ng	# 93

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

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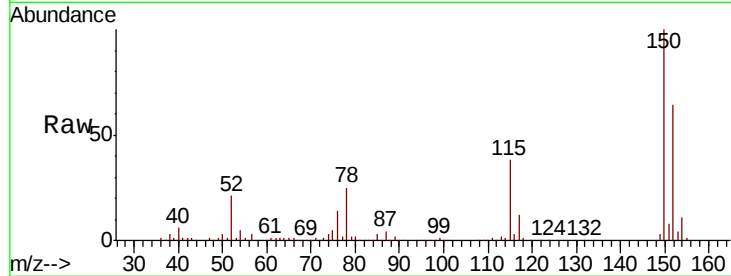


#1

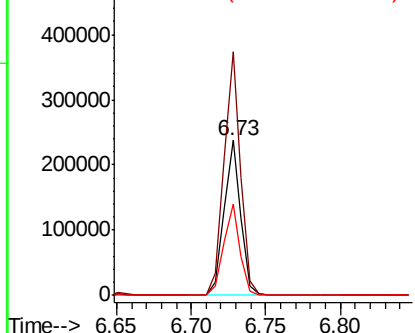
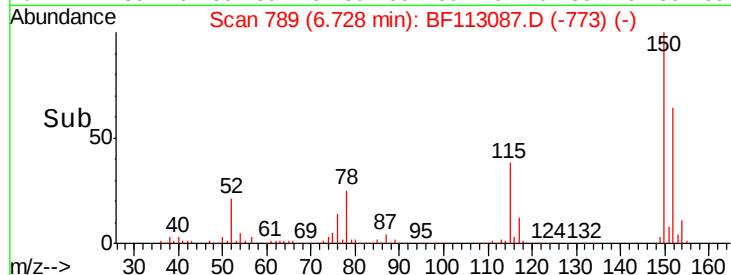
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Instrument :
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Tgt Ion:152 Resp: 187331
Ion Ratio Lower Upper
152 100
150 156.8 124.2 186.2
115 58.9 48.2 72.4



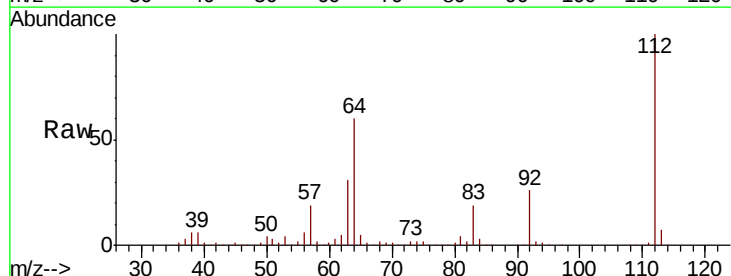
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



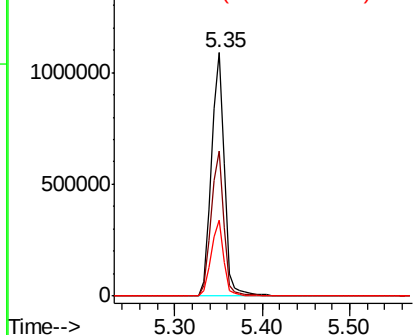
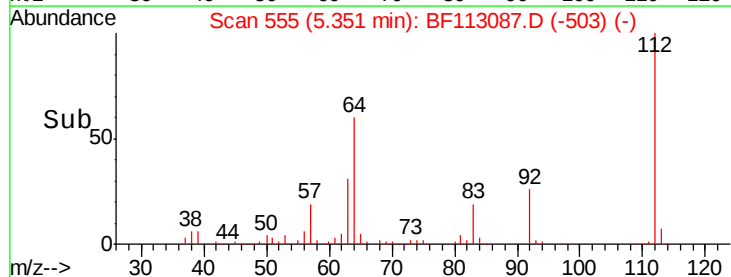
#5

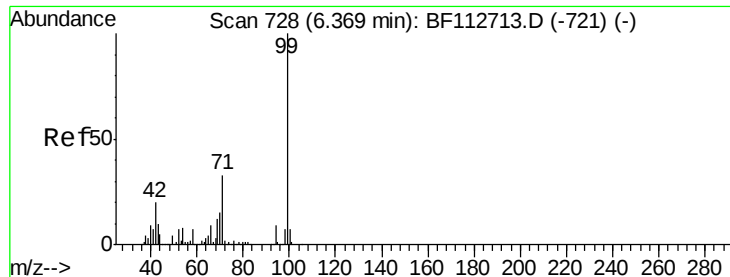
2-Fluorophenol
Concen: 94.383 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion:112 Resp: 1136633
Ion Ratio Lower Upper
112 100
64 59.5 47.6 71.4
63 31.0 24.4 36.6



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: 97.826 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

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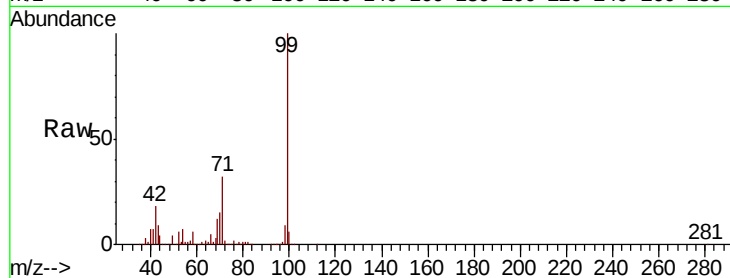
Tgt Ion: 99 Resp: 1479893

Ion Ratio Lower Upper

99 100

42 17.7 16.3 24.5

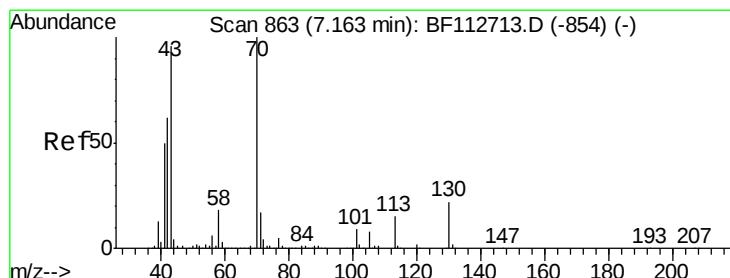
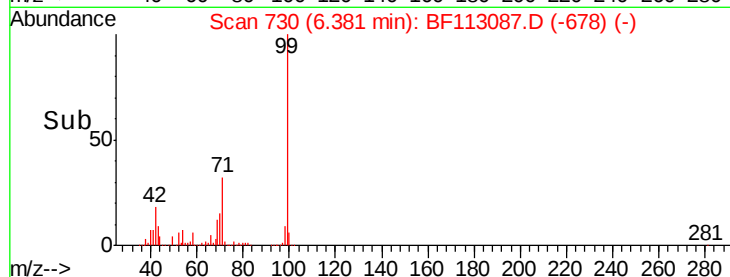
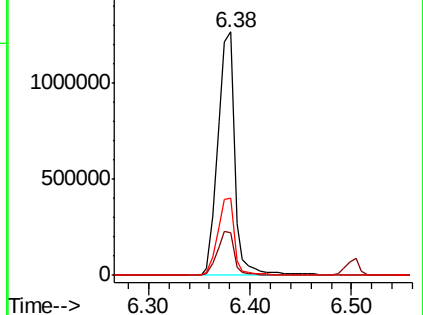
71 31.5 26.2 39.4



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: 12.925 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Tgt Ion: 70 Resp: 123836

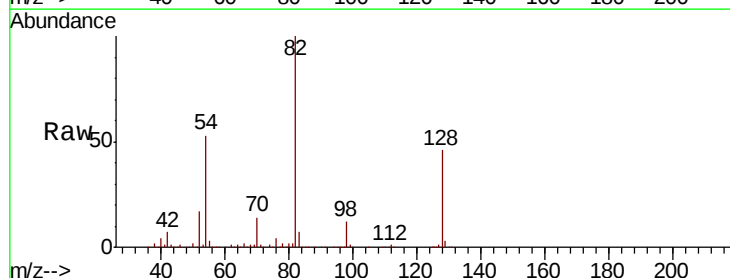
Ion Ratio Lower Upper

70 100

42 49.0 49.9 74.9#

101 0.0 7.4 11.2#

130 2.6 17.4 26.2#

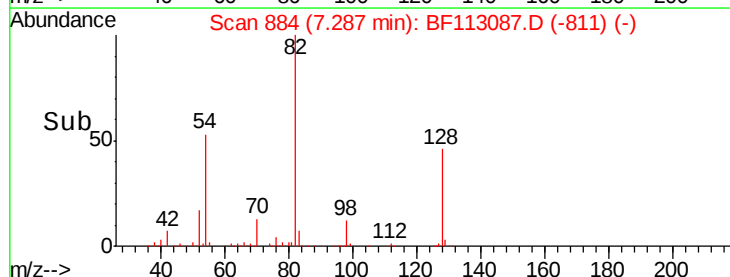
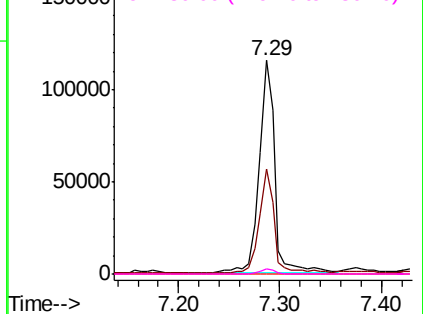


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

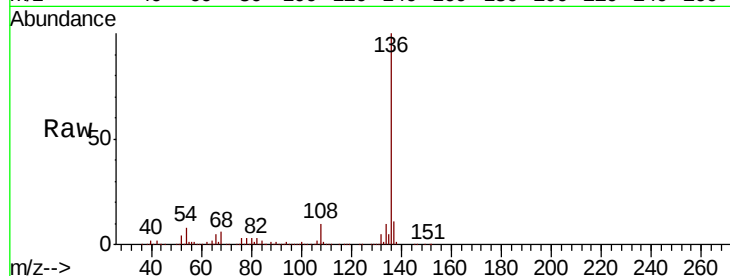




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

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Tgt Ion:	136	Resp:	699825
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	7.3	10.9
68	5.9	5.4	8.2



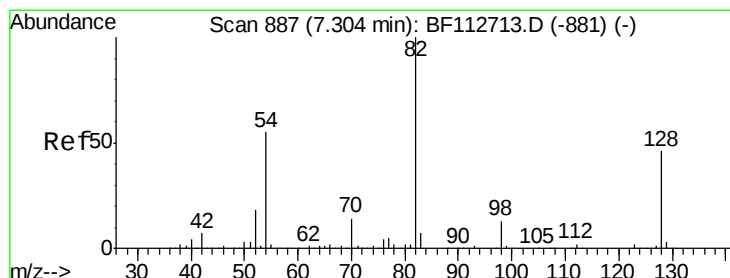
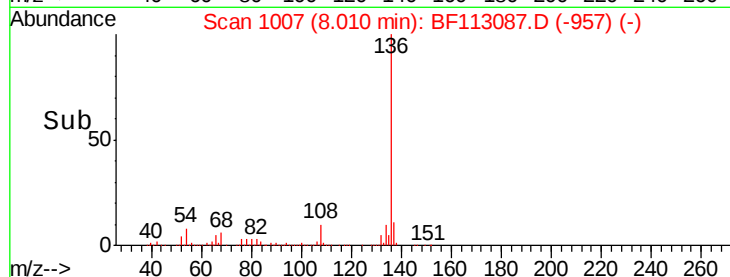
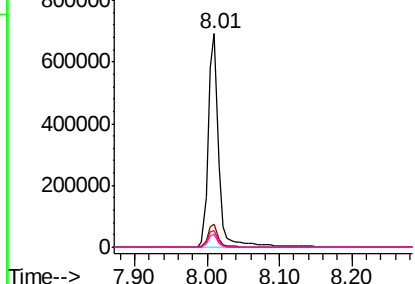
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

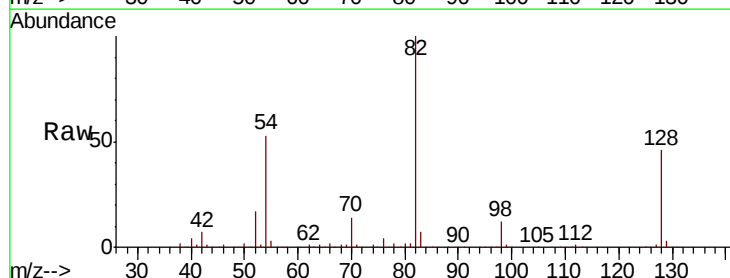
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 75.069 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion:	82	Resp:	877955
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.3	54.5
54	52.8	43.7	65.5

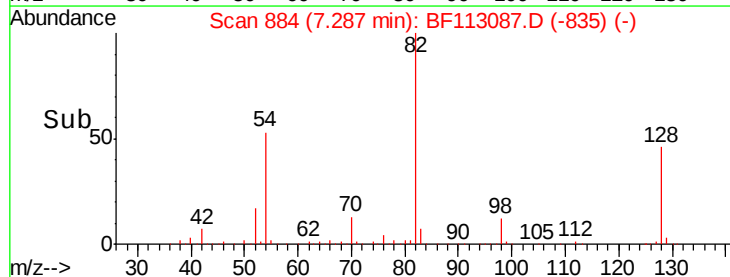
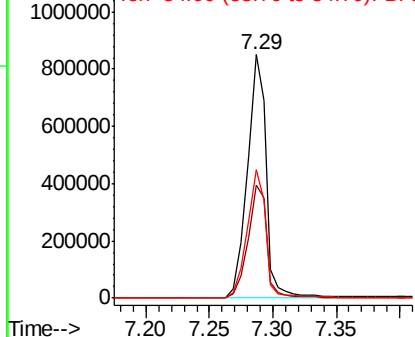


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

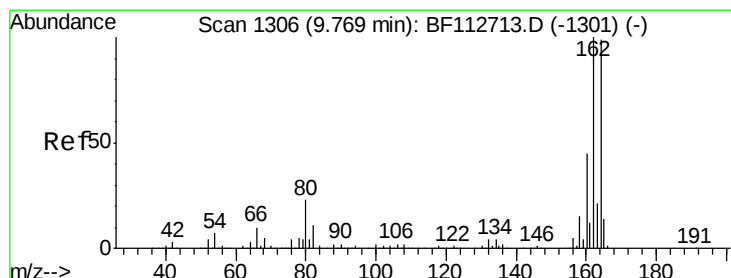
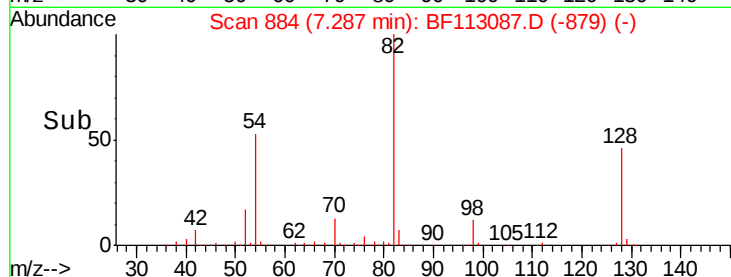
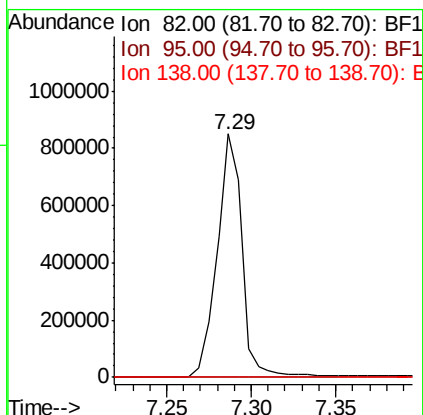
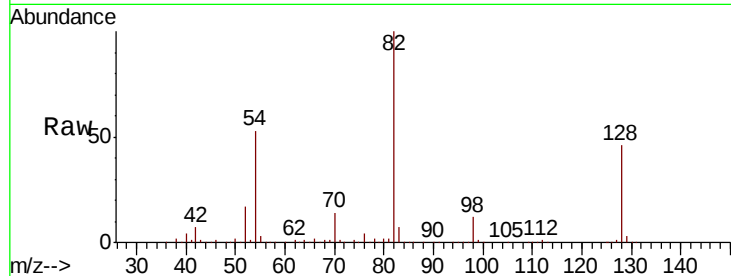




#25
Isophorone
Concen: 34.189 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

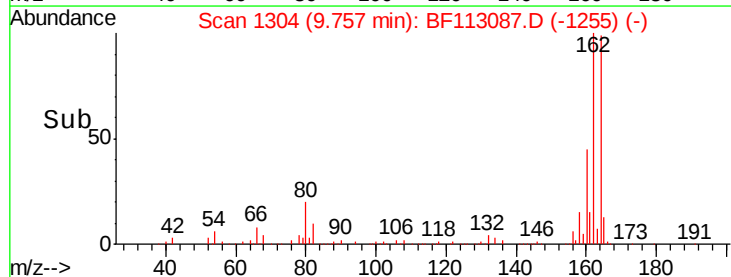
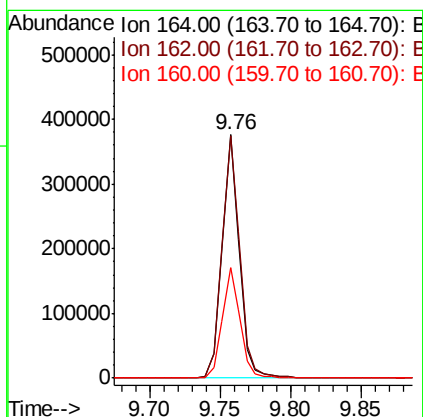
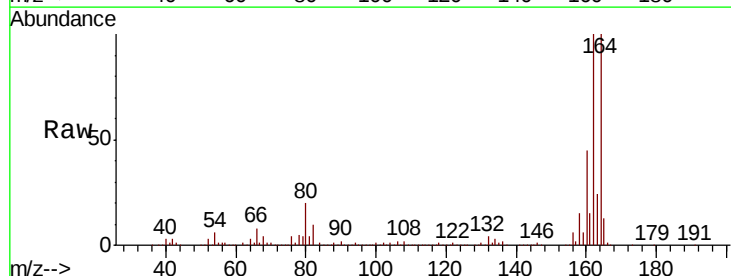
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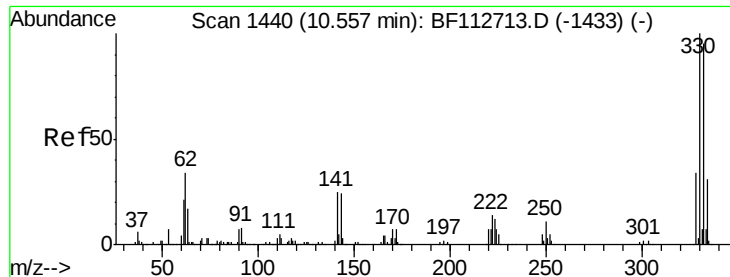
Tgt Ion: 82 Resp: 861416
Ion Ratio Lower Upper
82 100
95 0.2 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion: 164 Resp: 319304
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 45.1 36.0 54.0

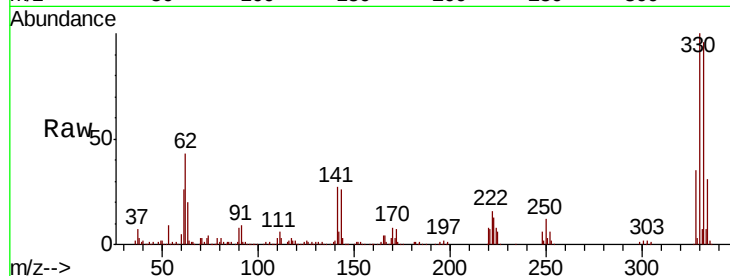




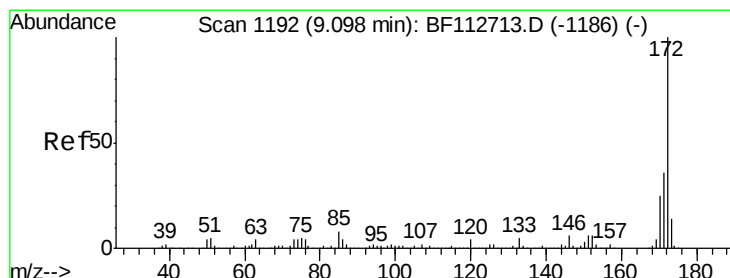
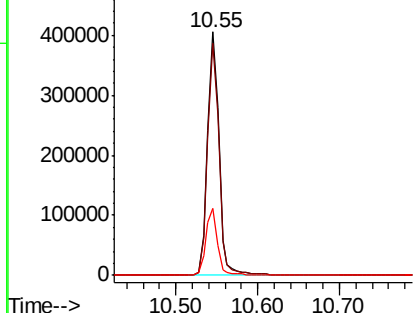
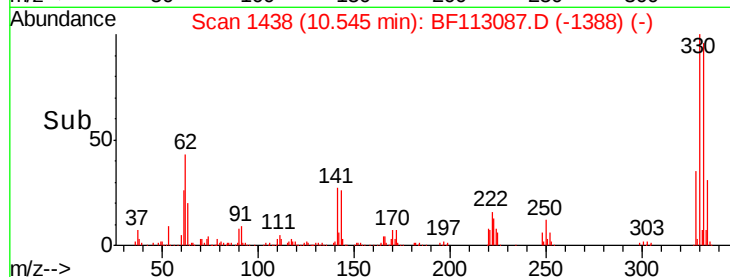
#42
 2,4,6-Tribromophenol
 Concen: 117.617 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 398701
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.4
 141 28.0 27.0 40.6

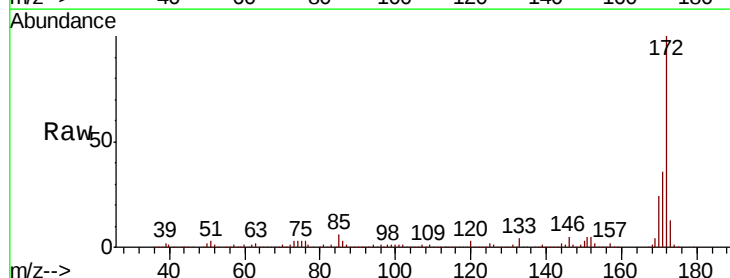


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

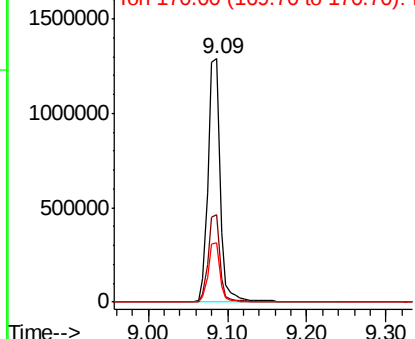
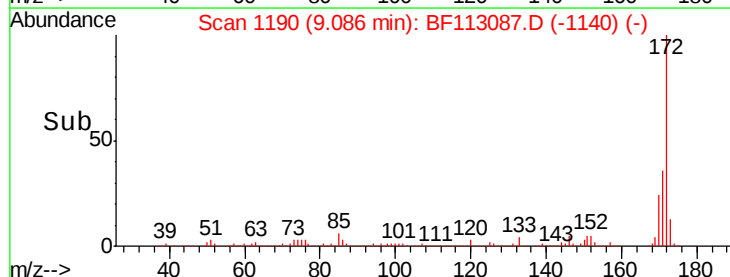


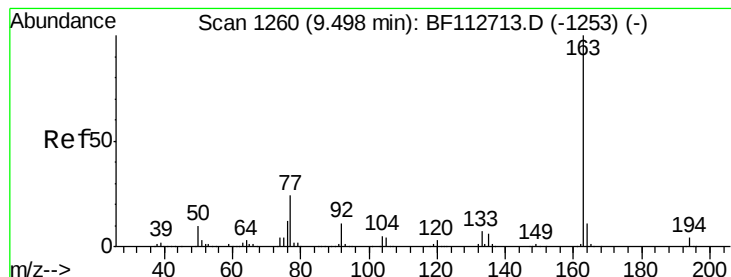
#45
 2-Fluorobiphenyl
 Concen: 68.545 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Tgt Ion:172 Resp: 1390170
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.2 20.0 30.0



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: 5.113 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

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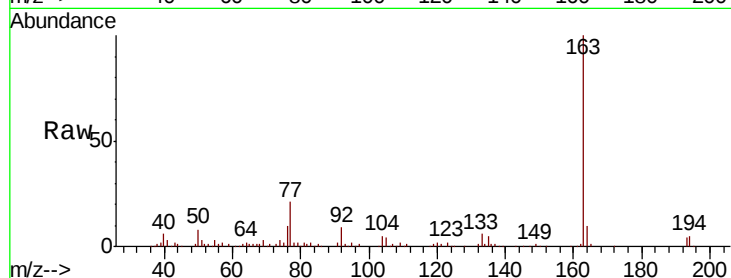
Tgt Ion:163 Resp: 120387

Ion Ratio Lower Upper

163 100

194 4.6 3.0 4.4#

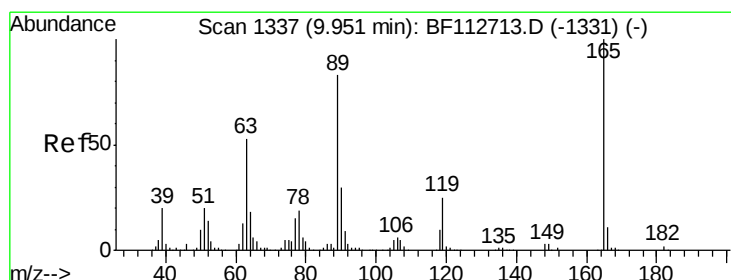
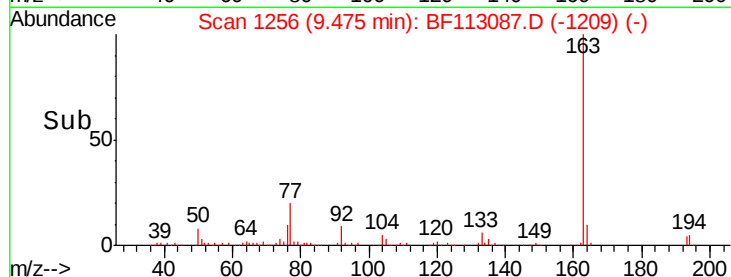
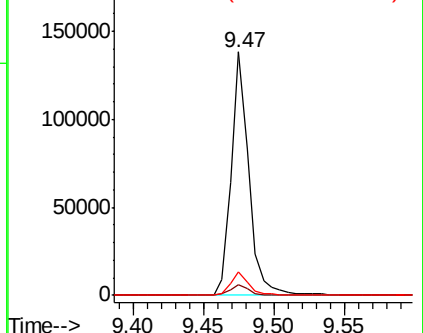
164 9.9 8.4 12.6



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: 6.922 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Tgt Ion:165 Resp: 42186

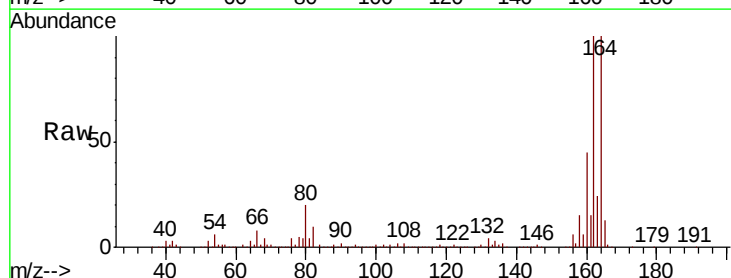
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.0 66.2 99.4#

182 0.0 1.8 2.6#

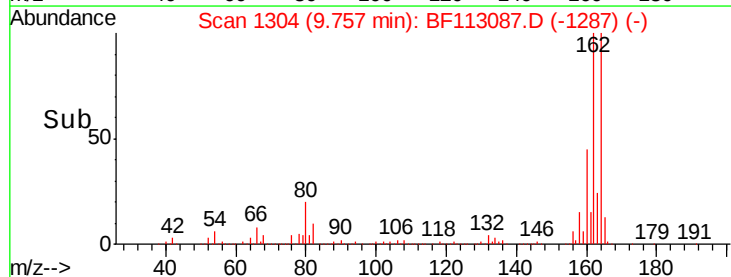
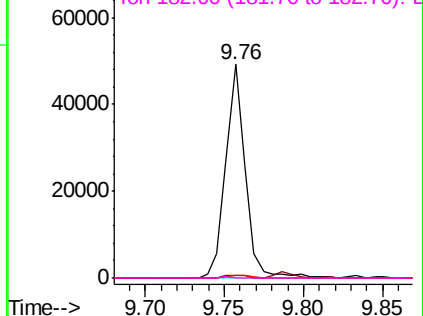


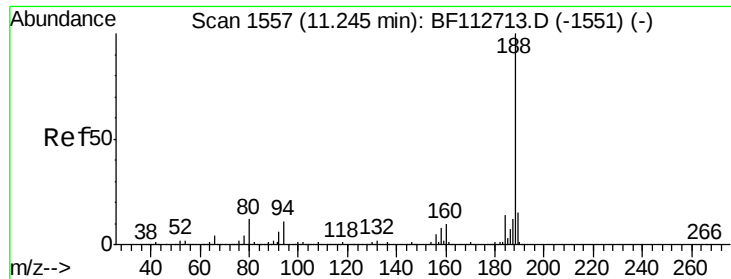
Abundance Ion 165.00 (164.70 to 165.70): E

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

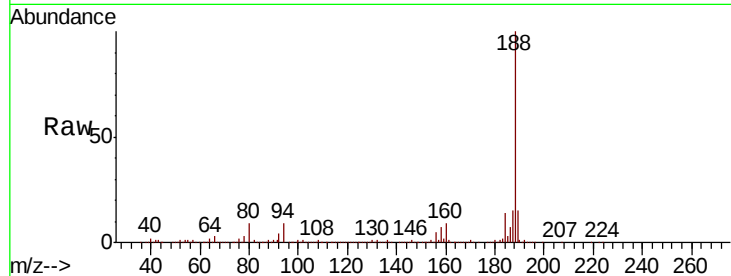




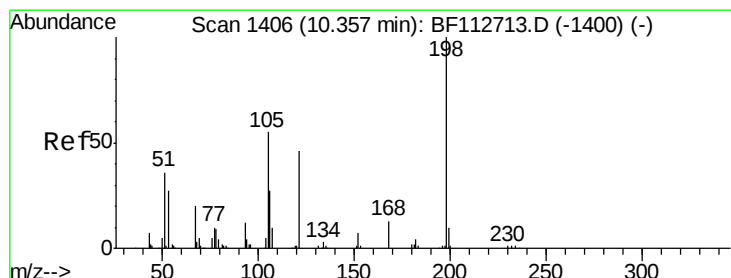
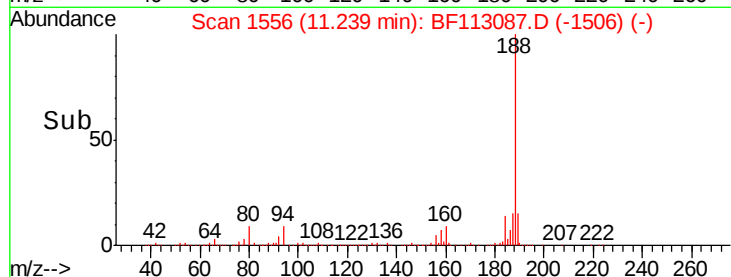
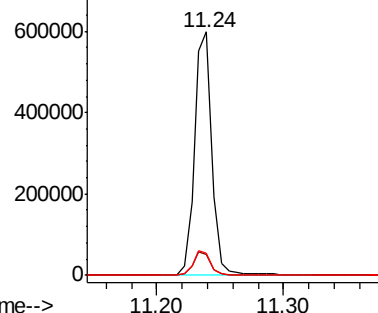
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 572207
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.4#
80 9.0 9.2 13.8#

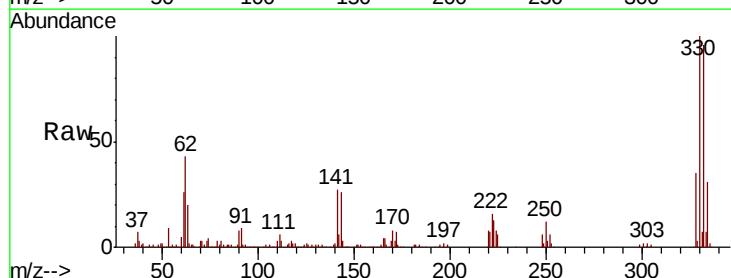


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

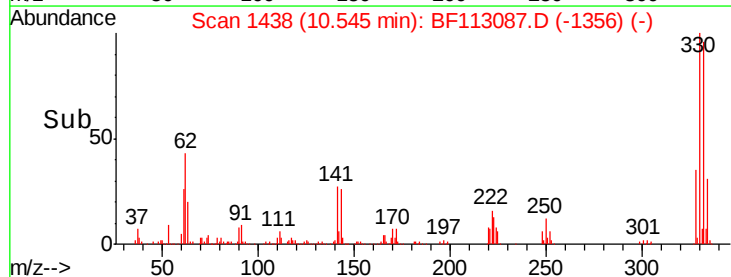
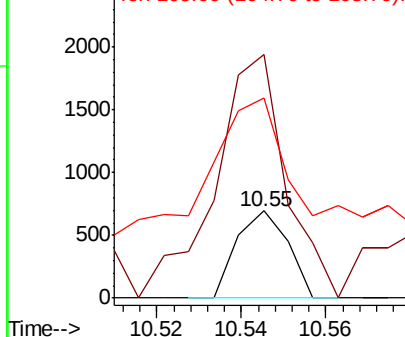


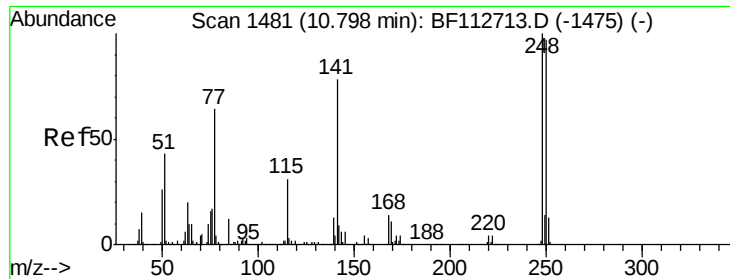
#65
4,6-Dinitro-2-methylphenol
Concen: 4.837 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion:198 Resp: 584
Ion Ratio Lower Upper
198 100
51 279.5 43.8 83.8#
105 229.1 36.5 76.5#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

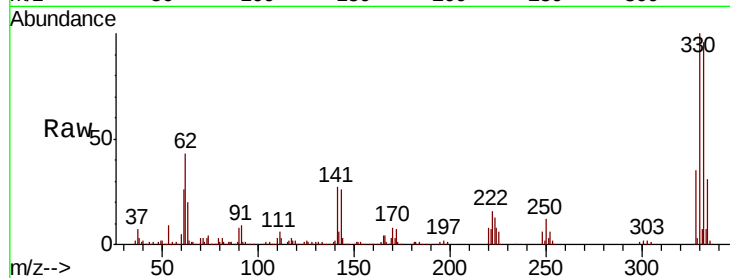




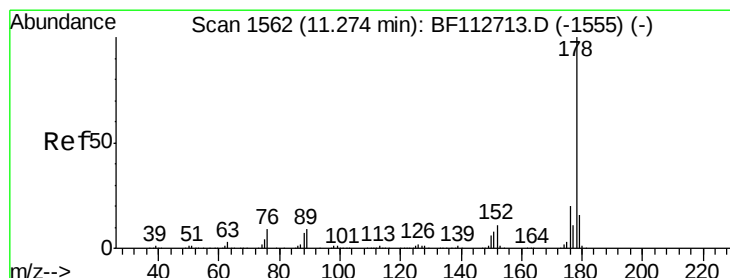
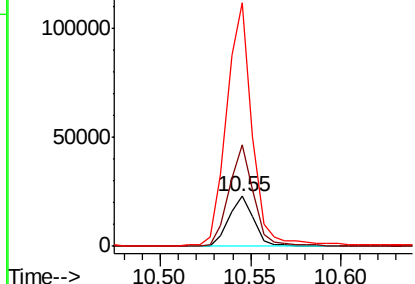
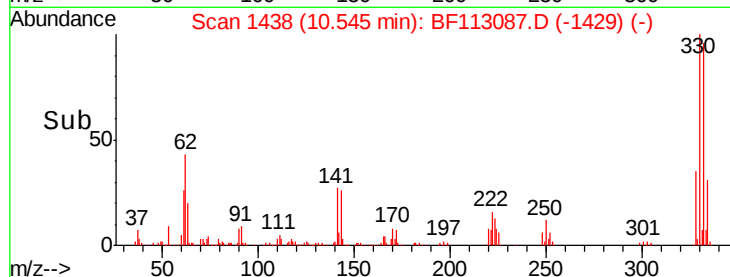
#67
 4-Bromophenyl-phenylether
 Concen: 3.744 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampled :
 S-3

Tgt Ion: 248 Resp: 22563
 Ion Ratio Lower Upper
 248 100
 250 203.4 77.5 116.3#
 141 485.2 62.4 93.6#

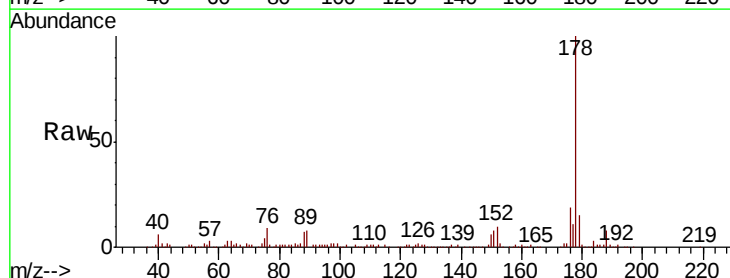


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

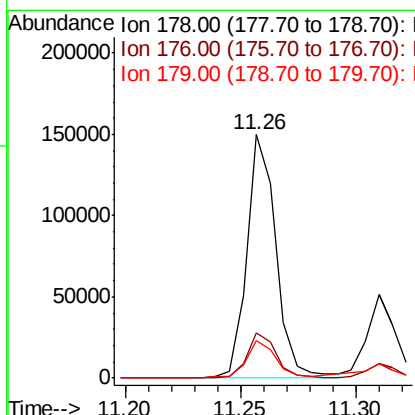
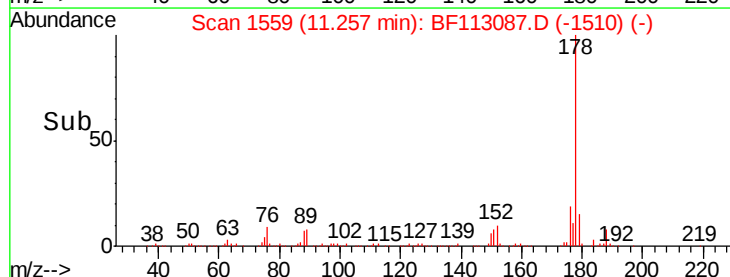


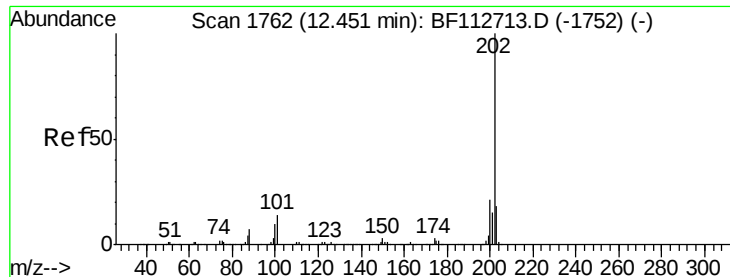
#71
 Phenanthrene
 Concen: 4.660 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Tgt Ion: 178 Resp: 132660
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.3 24.5
 179 15.4 12.7 19.1



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: 6.333 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

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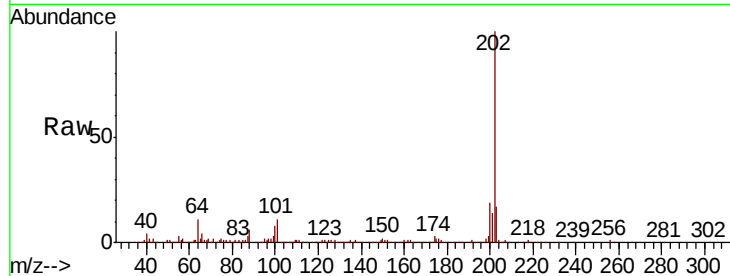
Tgt Ion:202 Resp: 193181

Ion Ratio Lower Upper

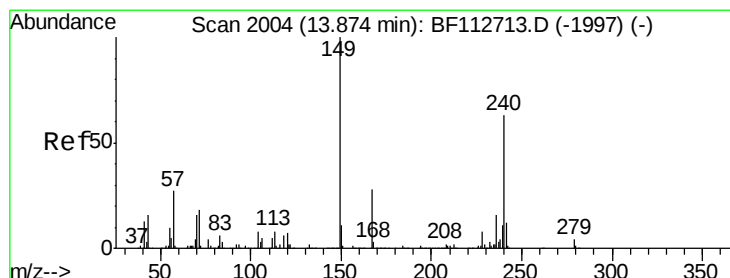
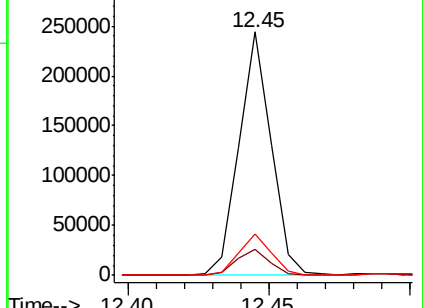
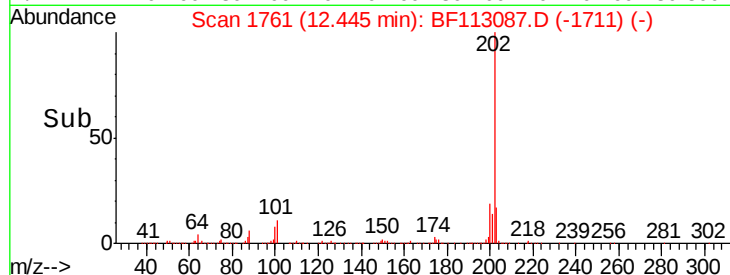
202 100

101 10.7 0.0 33.8

203 16.7 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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

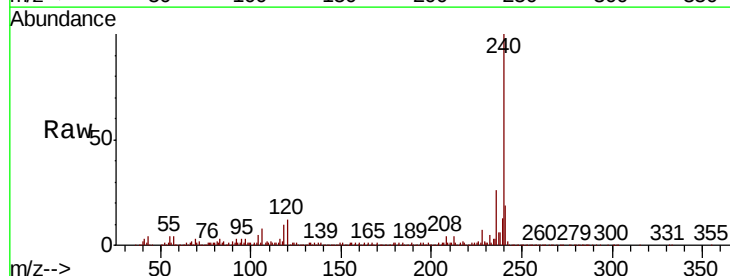
Tgt Ion:240 Resp: 423291

Ion Ratio Lower Upper

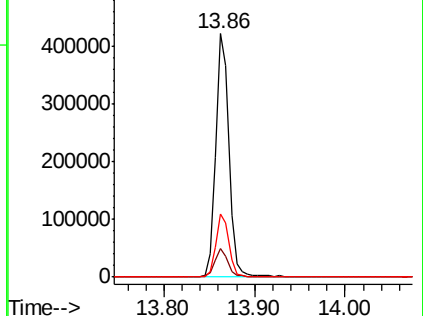
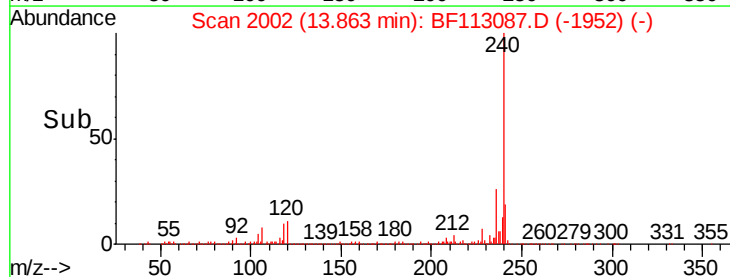
240 100

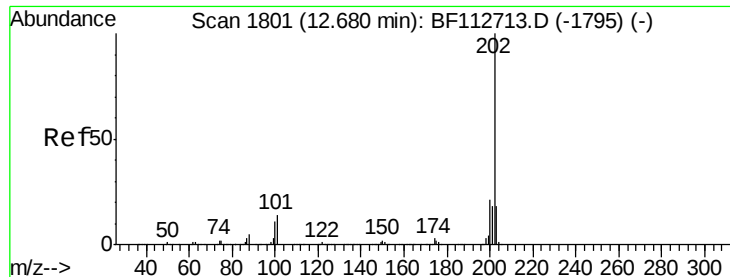
120 11.7 8.9 13.3

236 25.7 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: 4.297 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

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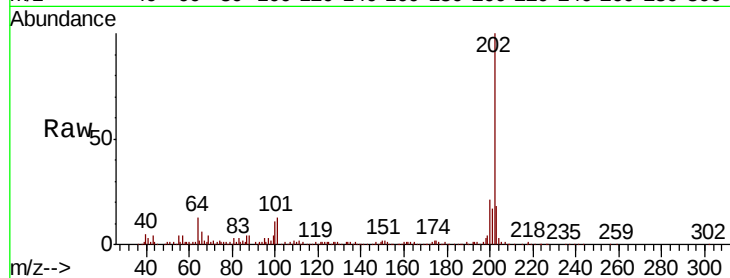
Tgt Ion:202 Resp: 153353

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

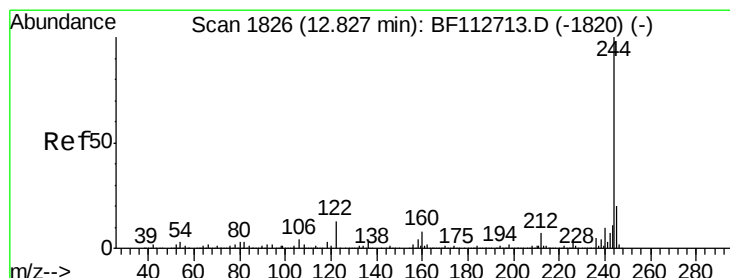
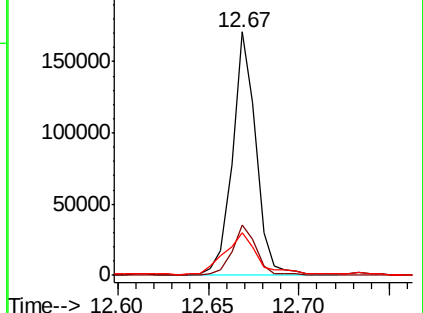
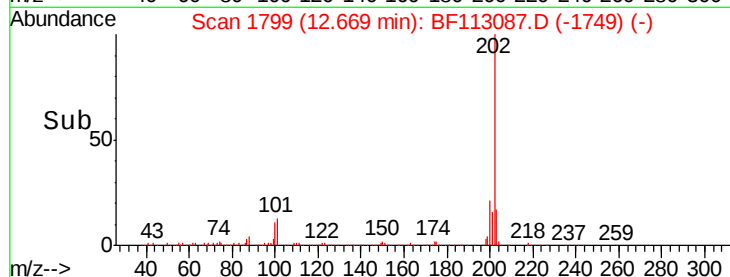
203 17.7 14.4 21.6



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: 49.897 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

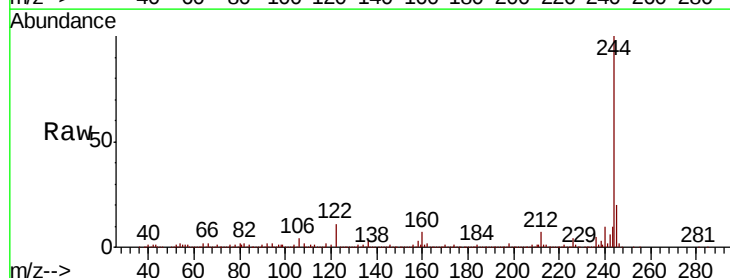
Tgt Ion:244 Resp: 1089547

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

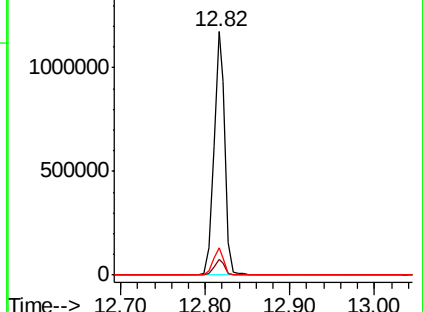
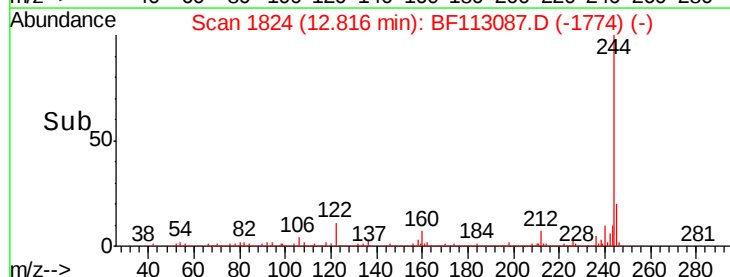
122 11.4 10.5 15.7

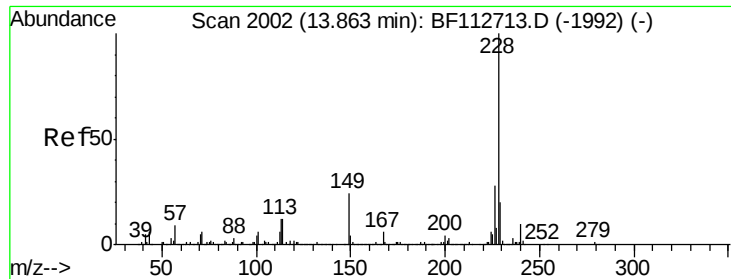


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.625 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

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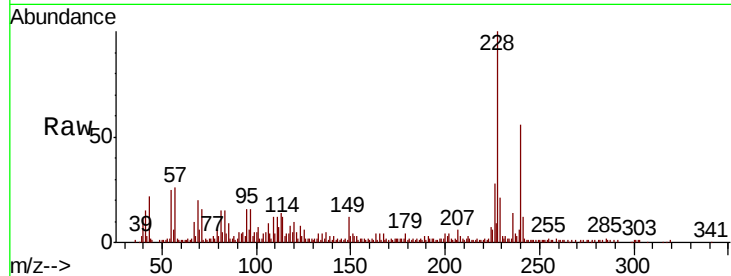
Tgt Ion:228 Resp: 77009

Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.4

229 21.4 16.0 24.0

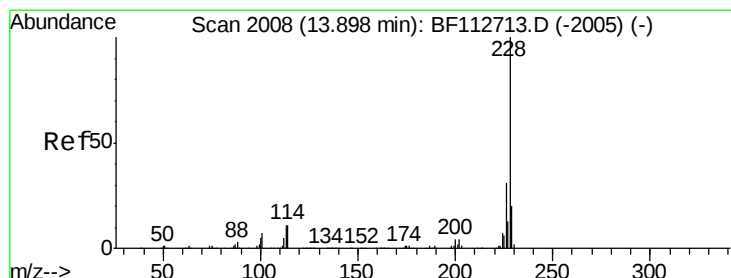
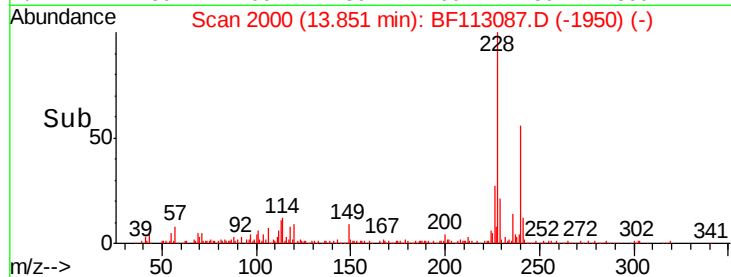
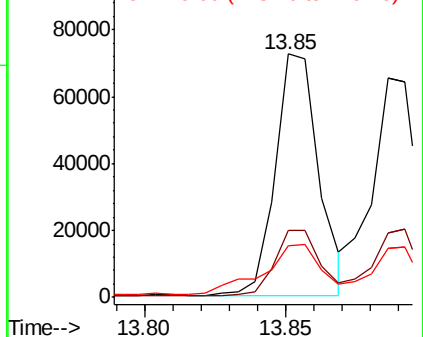


Abundance

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: 2.594 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

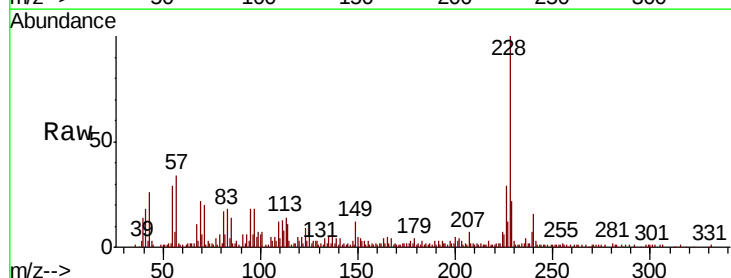
Tgt Ion:228 Resp: 74530

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

229 22.3 16.3 24.5

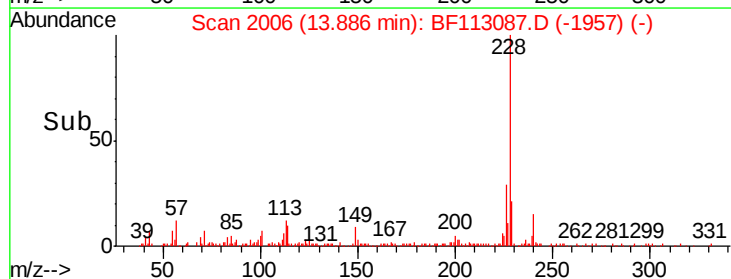
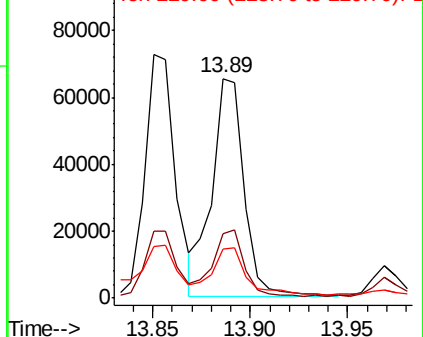


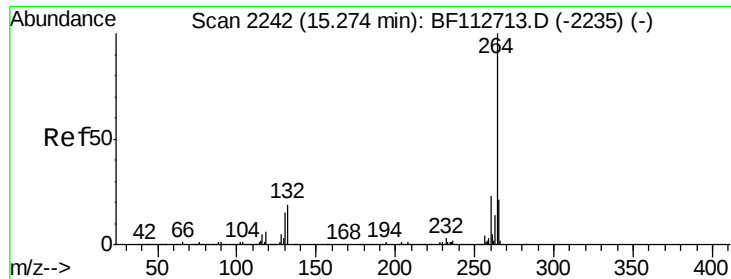
Abundance

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

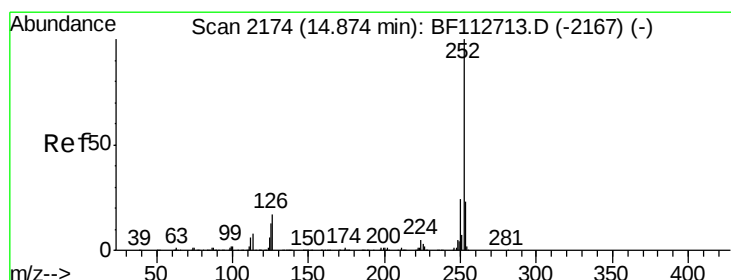
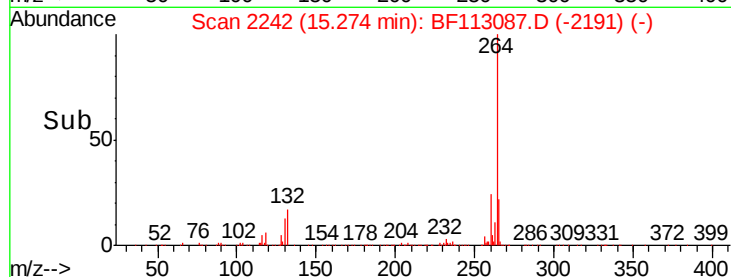
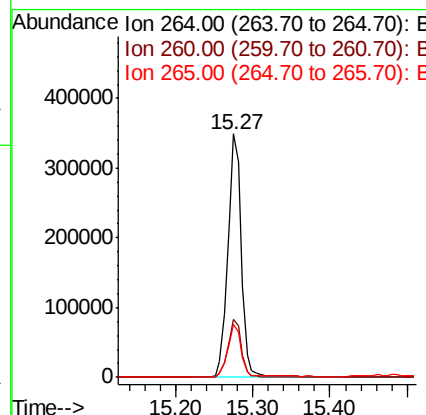
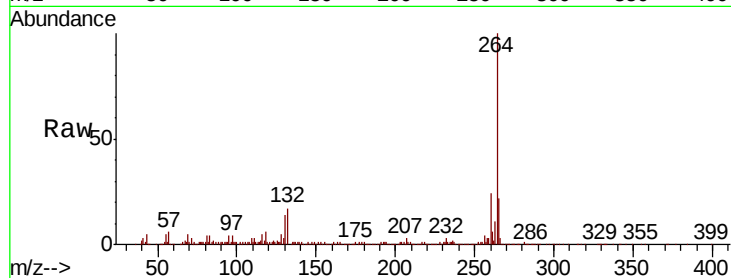




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

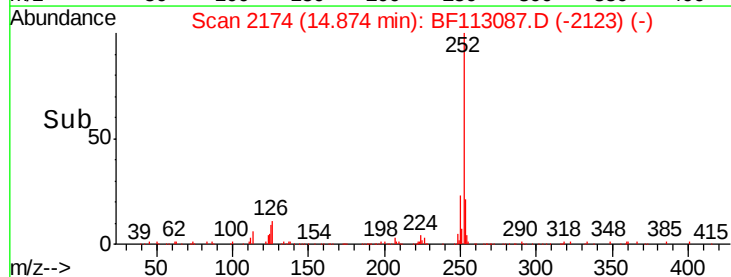
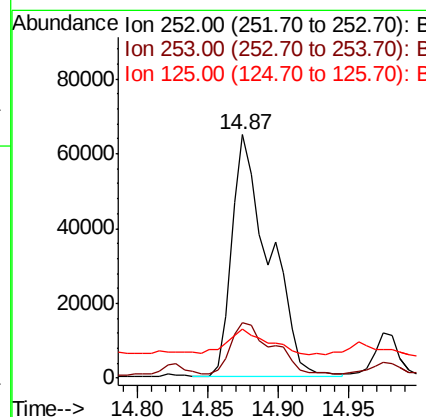
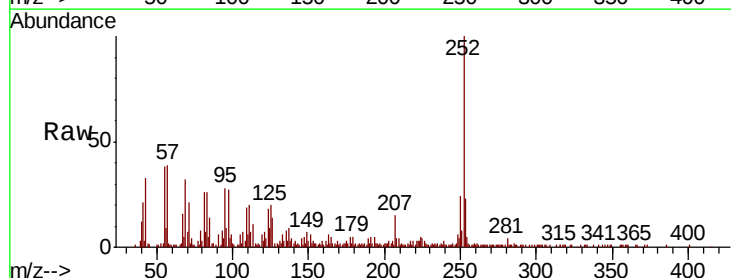
Instrument :
BNA_F
ClientSampleId :
S-3

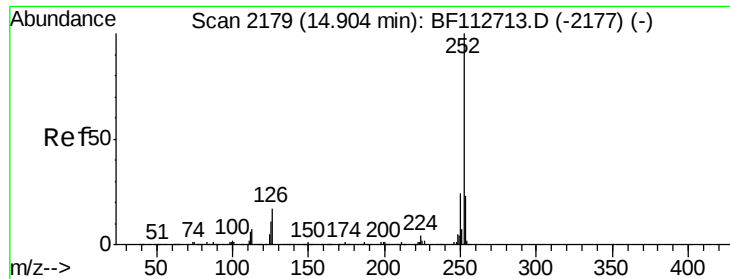
Tgt Ion:264 Resp: 424166
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.7 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 4.326 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion:252 Resp: 118694
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 20.3 10.2 15.2#

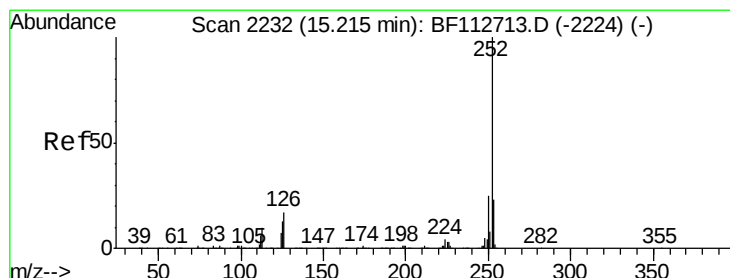
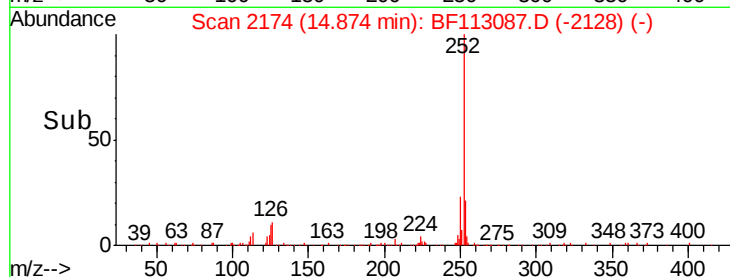
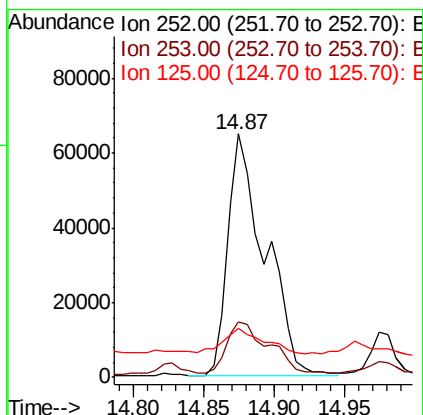
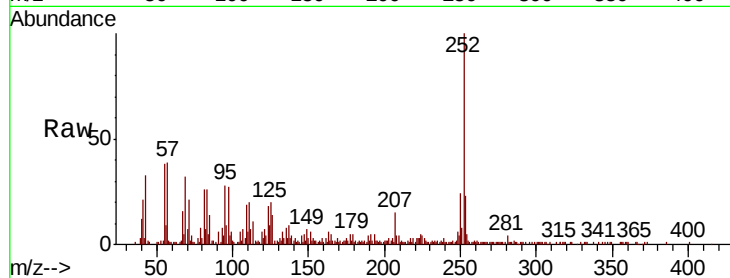




#89
Benzo(k)fluoranthene
Concen: 4.776 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

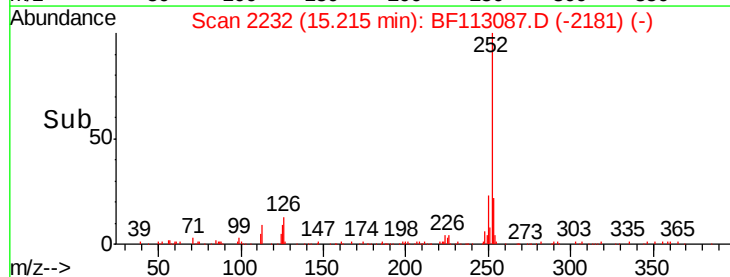
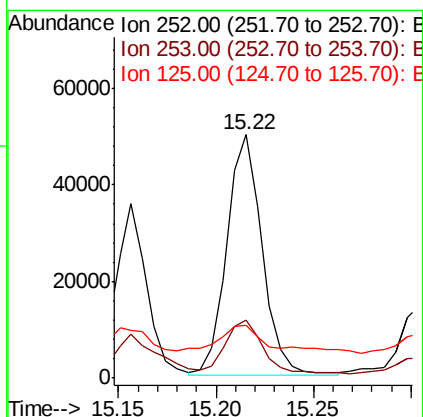
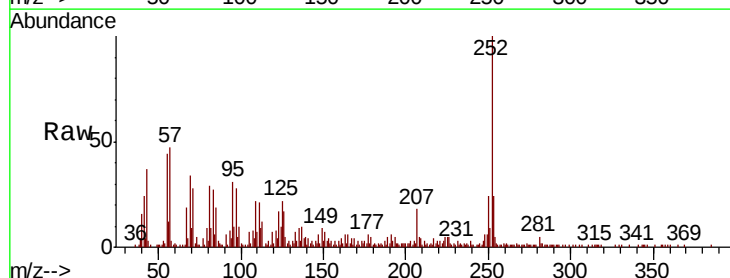
Instrument :
BNA_F
ClientSampleId :
S-3

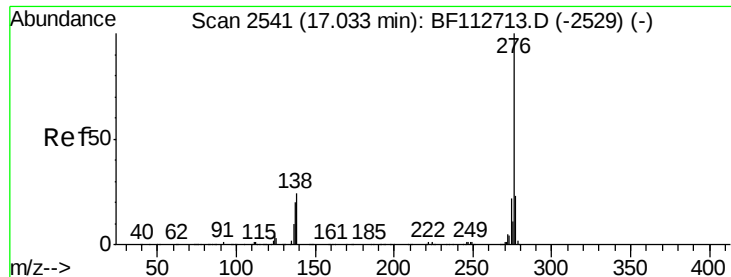
Tgt Ion:	252	Resp:	118694
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	20.3	9.8	14.6#



#90
Benzo(a)pyrene
Concen: 2.573 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion:	252	Resp:	62430
Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	21.6	10.7	16.1#





#92

Benzo(g,h,i)perylene

Concen: 2.156 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

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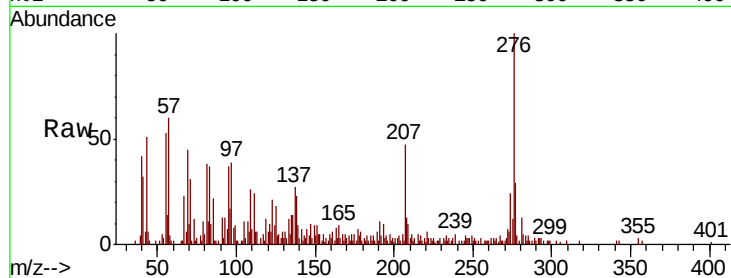
Tgt Ion: 276 Resp: 44822

Ion Ratio Lower Upper

276 100

277 29.3 18.6 27.8#

138 23.5 19.4 29.0



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

