

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112743.D
 Acq On : 28 Feb 2019 2:40
 Operator : JU/SJ
 Sample : K1596-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Quant Time: Feb 28 04:21:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	187465	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	650084	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	287758	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	588106	20.00	ng	0.00
76) Chrysene-d12	13.87	240	425625	20.00	ng	0.00
87) Perylene-d12	15.29	264	291635	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1137317	94.37	ng	0.00
7) Phenol-d6	6.37	99	1407674	92.99	ng	0.00
23) Nitrobenzene-d5	7.30	82	805260	74.12	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	331954	108.66	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1178762	67.60	ng	0.00
79) Terphenyl-d14	12.83	244	1255230	57.17	ng	0.00

Target Compounds

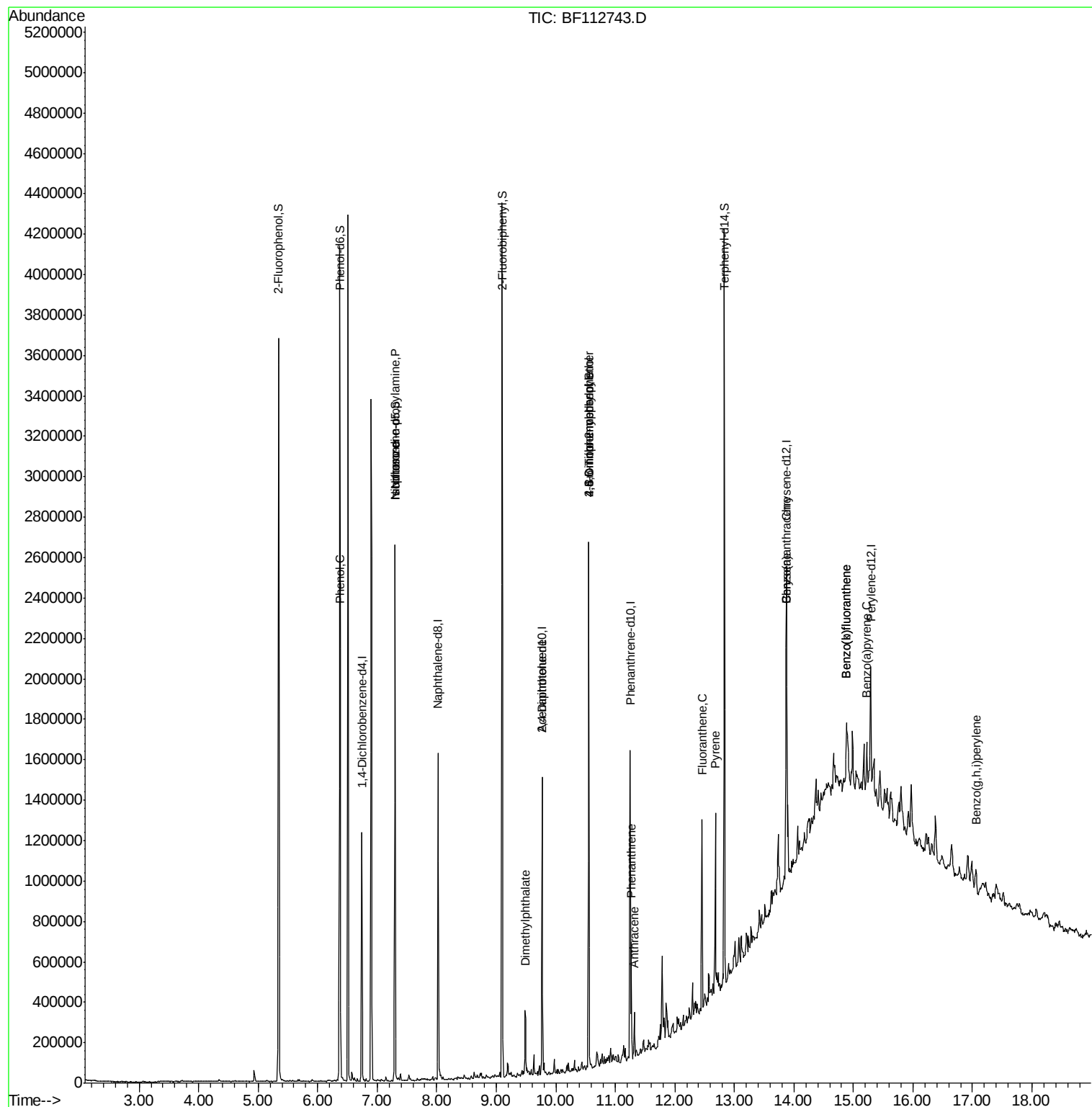
						Qvalue
10) Phenol	6.39	94	48521	2.747	ng	91
19) n-Nitroso-di-n-propylamine	7.30	70	107023	11.162	ng	# 77
25) Isophorone	7.30	82	800342	34.195	ng	# 66
50) Dimethylphthalate	9.49	163	112856	5.319	ng	98
57) 2,4-Dinitrotoluene	9.77	165	37038	6.744	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	733	4.887	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	19358	3.125	ng	# 1
71) Phenanthrene	11.27	178	201782	6.896	ng	97
72) Anthracene	11.32	178	70004	2.286	ng	98
75) Fluoranthene	12.46	202	382753	12.209	ng	96
78) Pyrene	12.68	202	352331	9.819	ng	98
81) Benzo(a)anthracene	13.86	228	154866	5.250	ng	92
83) Chrysene	13.86	228	154866	5.360	ng	96
88) Benzo(b)fluoranthene	14.89	252	219994	11.662	ng	# 86
89) Benzo(k)fluoranthene	14.89	252	219994	12.875	ng	# 85
90) Benzo(a)pyrene	15.23	252	115405	6.917	ng	# 92
92) Benzo(a,h,i)perylene	17.06	276	81860	5.726	ng	# 94

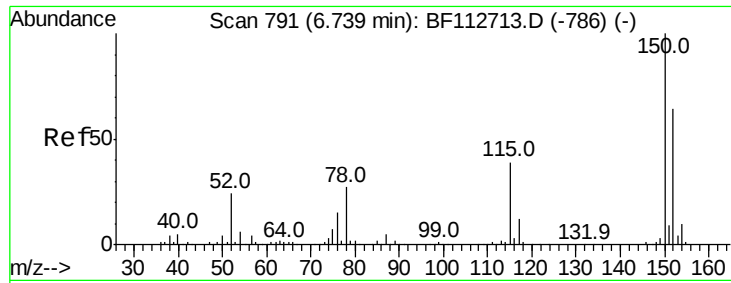
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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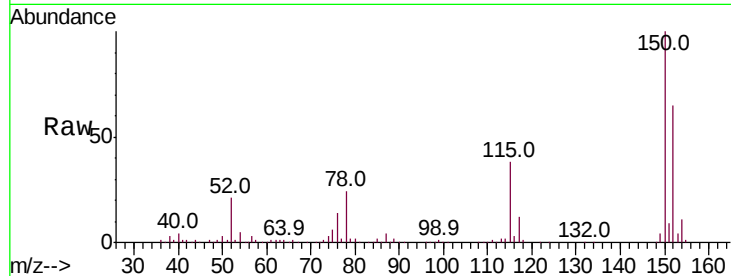


#1

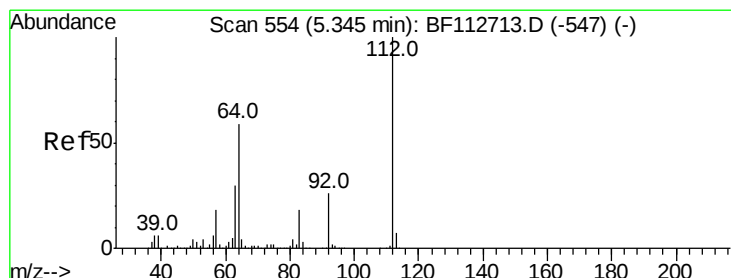
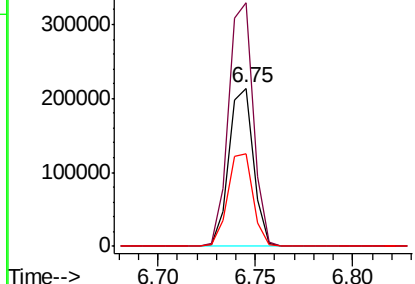
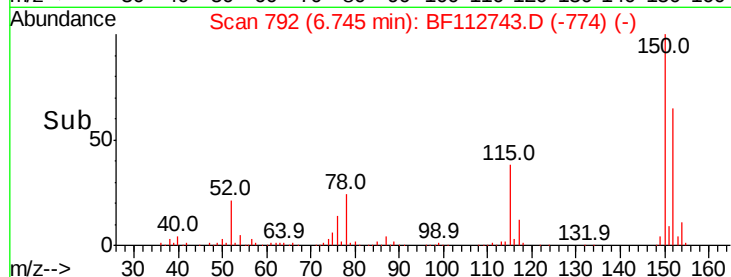
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Tot Ion:152 Resp: 187465
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.2 186.2
 115 58.5 48.2 72.4



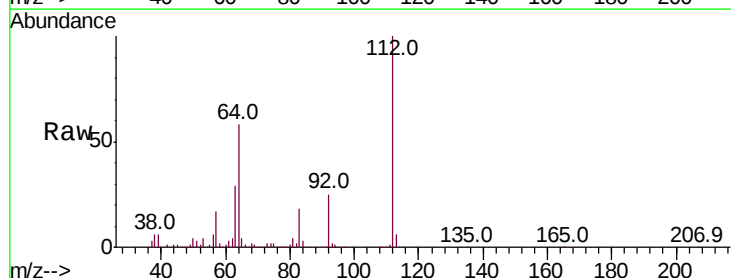
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



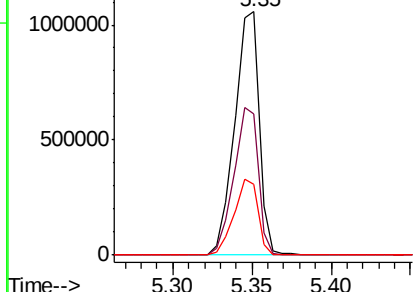
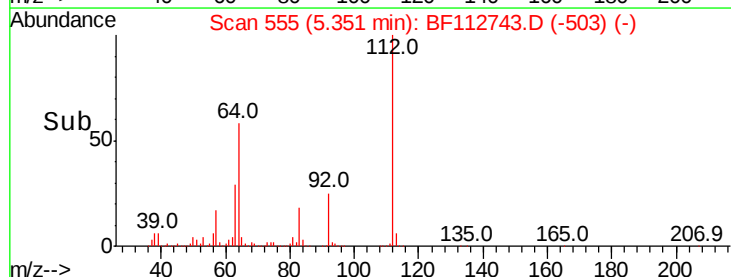
#5

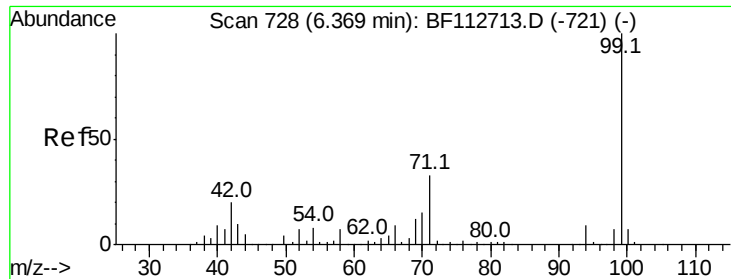
2-Fluorophenol
 Concen: 94.372 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Tgt Ion:112 Resp: 1137317
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.6 71.4
 63 29.3 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: 92.986 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

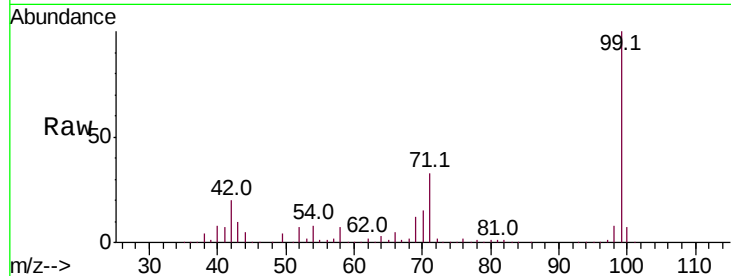
Tot Ion: 99 Resp: 1407674

Ion Ratio Lower Upper

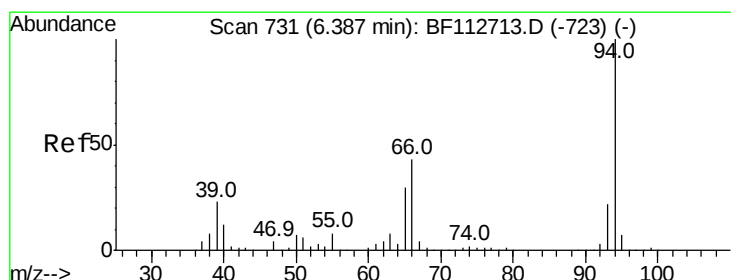
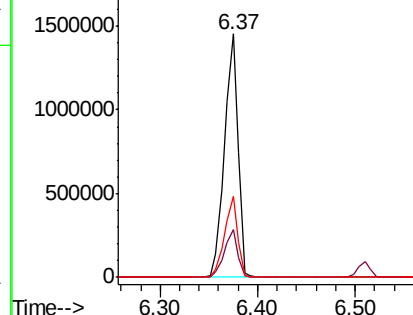
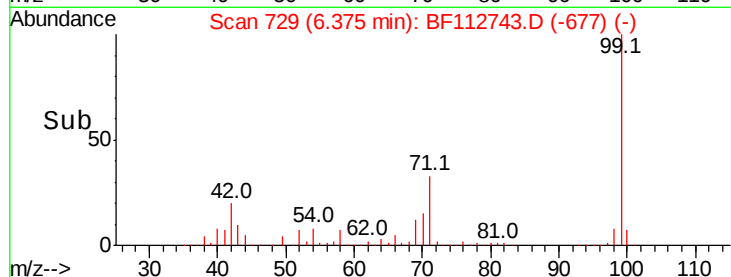
99 100

42 19.7 16.3 24.5

71 33.1 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.747 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

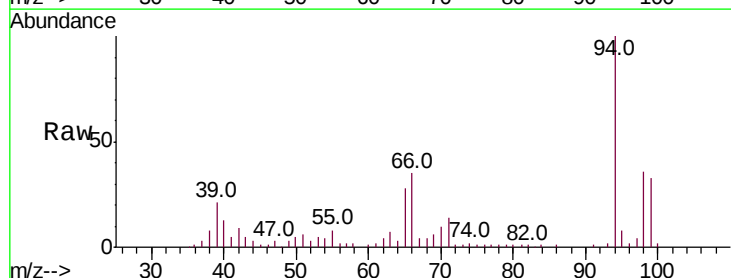
Tgt Ion: 94 Resp: 48521

Ion Ratio Lower Upper

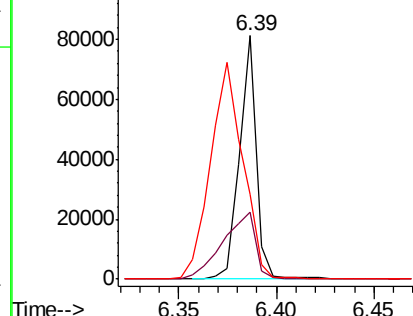
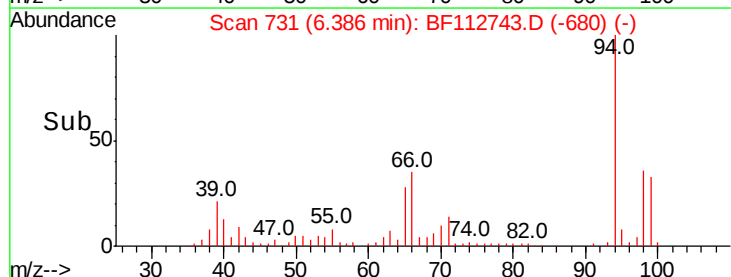
94 100

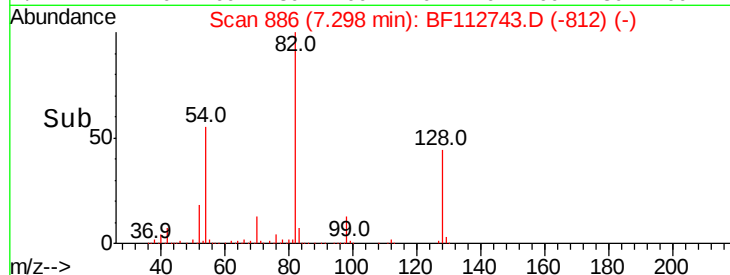
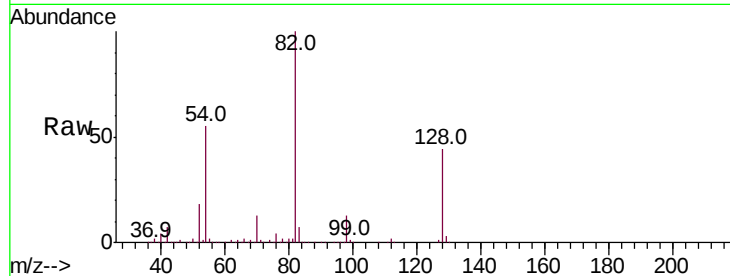
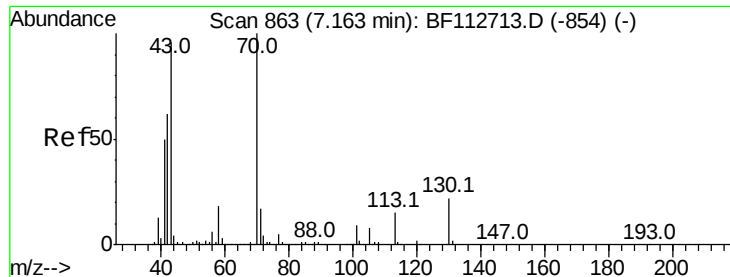
65 27.5 10.5 50.5

66 35.0 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
100000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

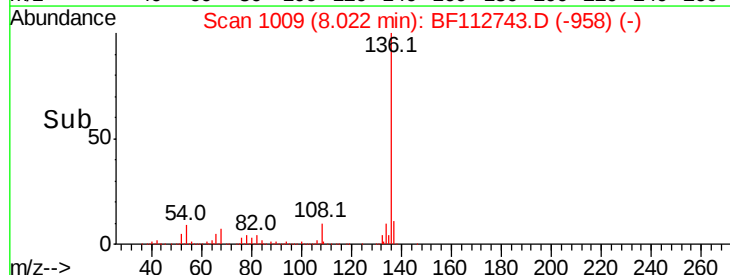
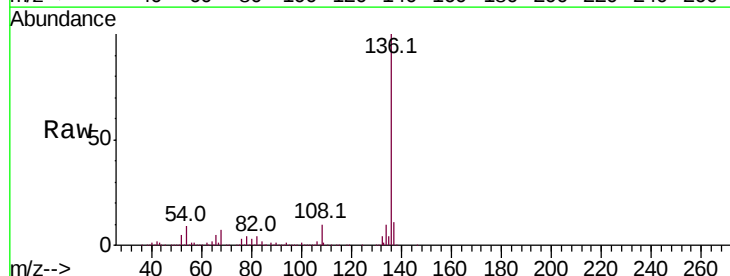
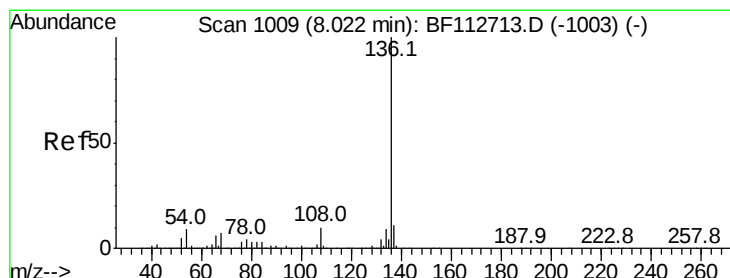
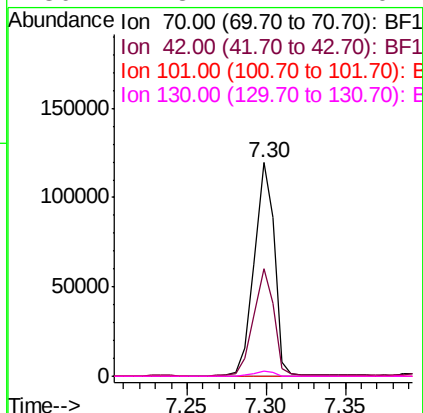




#19
n-Nitroso-di-n-propylamine
Concen: 11.162 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

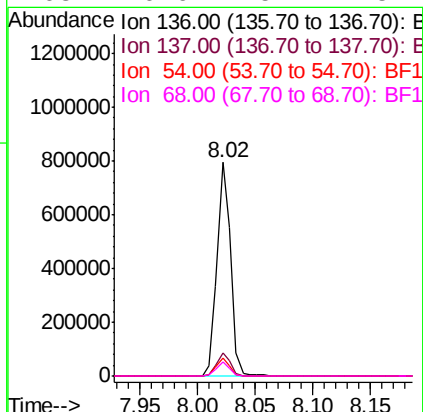
Instrument :
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ClientSampleId :
COMP-14

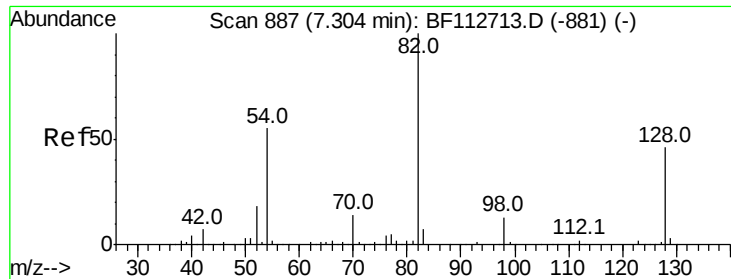
Tot Ion: 70 Resp: 107023
Ion Ratio Lower Upper
70 100
42 50.4 49.9 74.9
101 0.0 7.4 11.2#
130 2.3 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion: 136 Resp: 650084
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.7 7.3 10.9
68 6.6 5.4 8.2

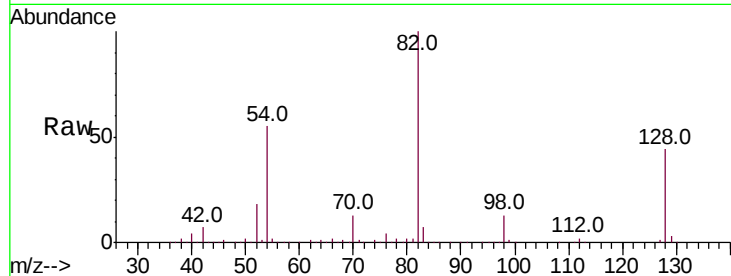




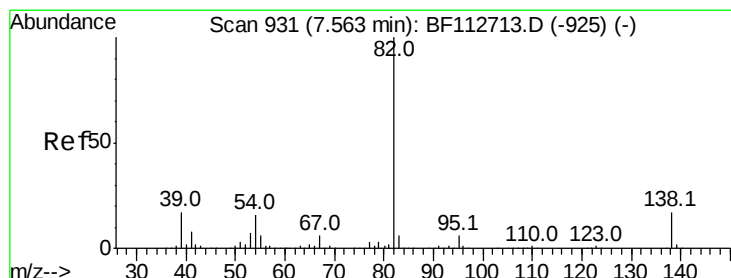
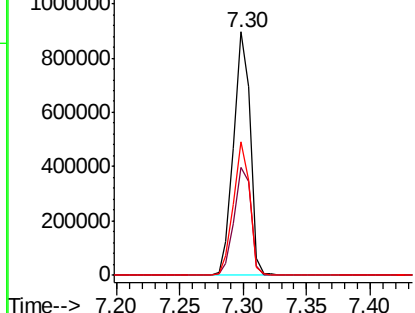
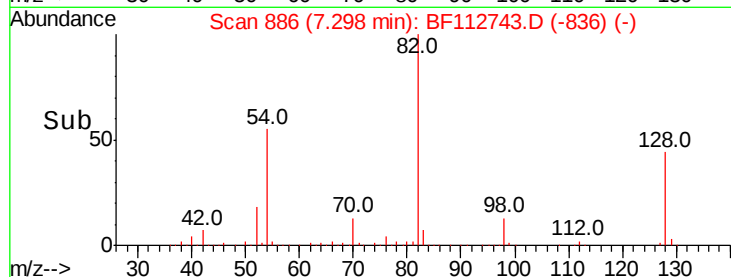
#23
 Nitrobenzene-d5
 Concen: 74.121 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Instrument :
 BNA_F
 ClientSampled :
 COMP-14

Tot Ion	82	Resp	805260
Ion Ratio	Lower	Upper	
82	100		
128	44.1	36.3	54.5
54	54.8	43.7	65.5

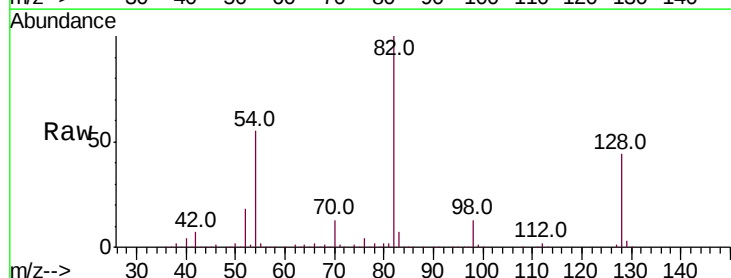


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

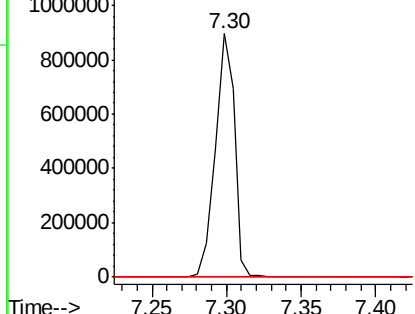
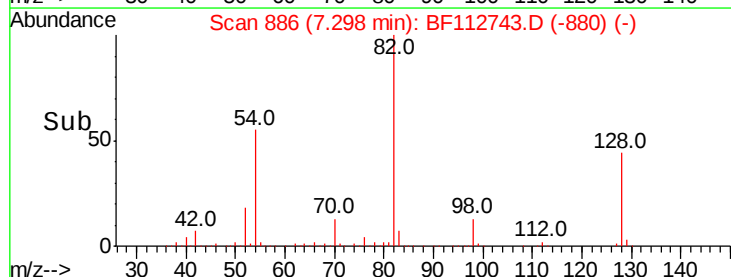


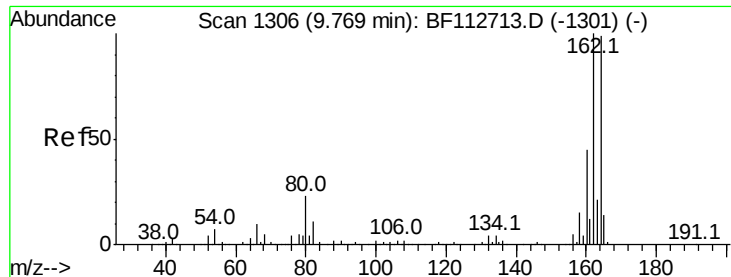
#25
 Isophorone
 Concen: 34.195 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Tgt Ion	82	Resp	800342
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	13.8	20.8#



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): E

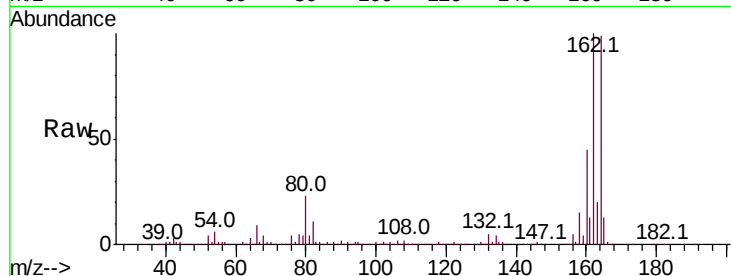




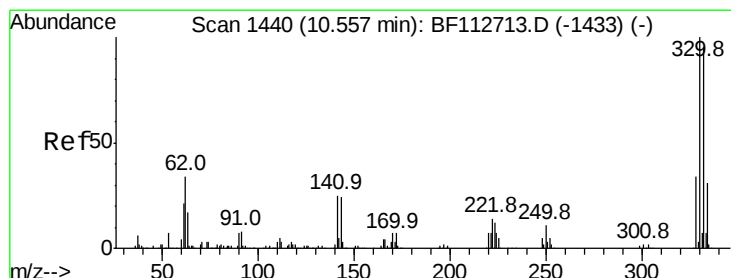
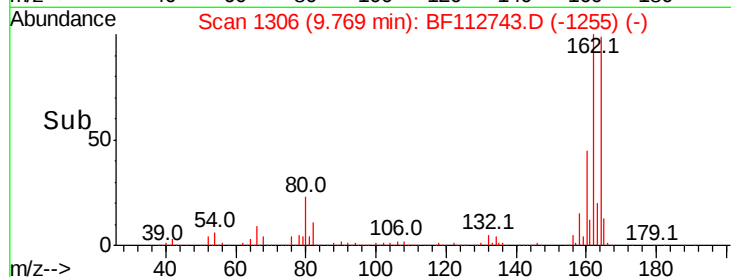
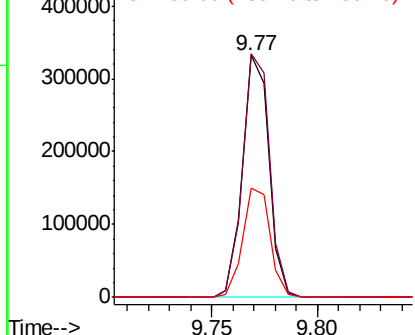
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	36.0	54.0

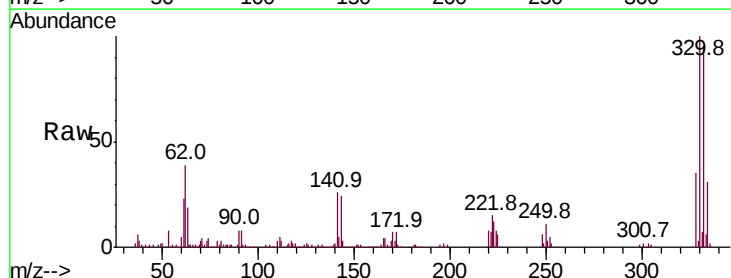


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

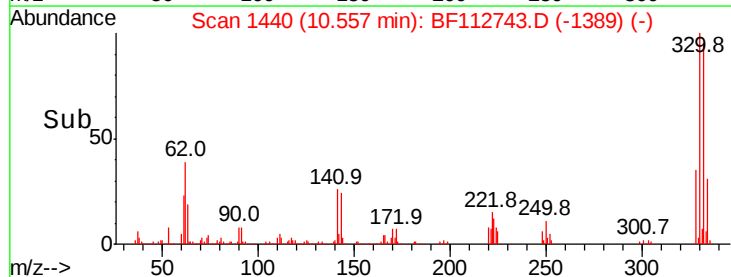
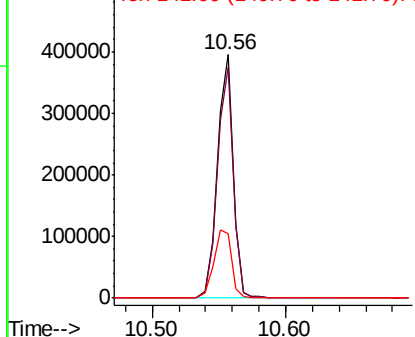


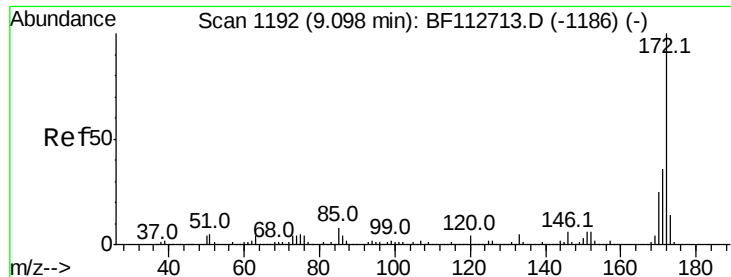
#42
2,4,6-Tribromophenol
Concen: 108.662 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.2	114.4
141	31.7	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



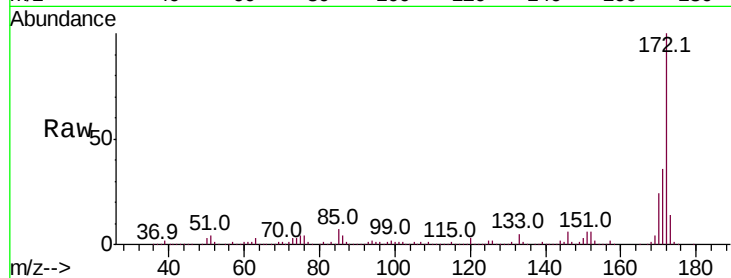


#45
2-Fluorobiphenyl
Concen: 67.600 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

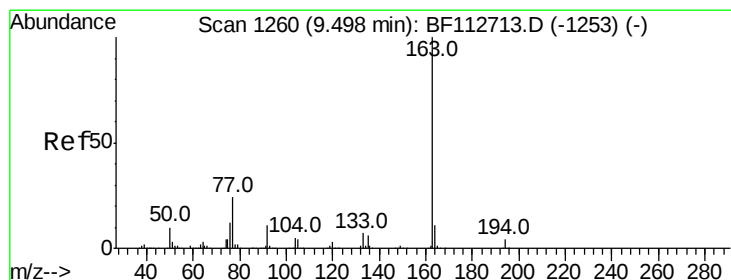
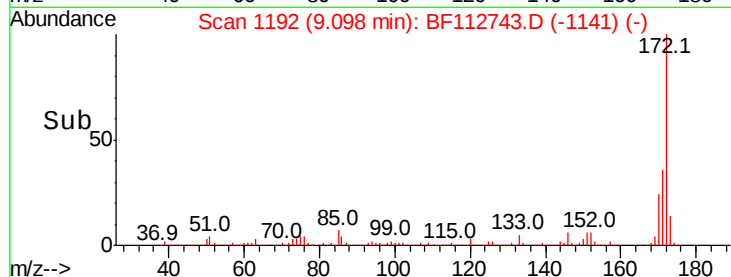
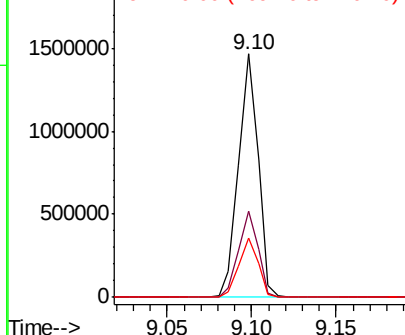
Instrument :
BNA_F
ClientSampleId :
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Tot Ion:172 Resp: 1178762

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	24.2	20.0	30.0



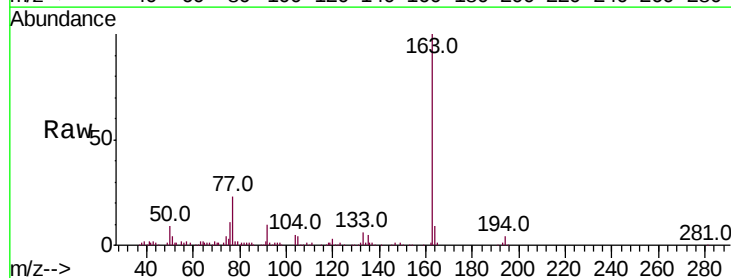
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



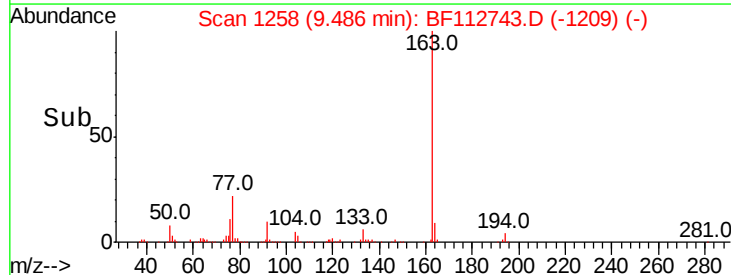
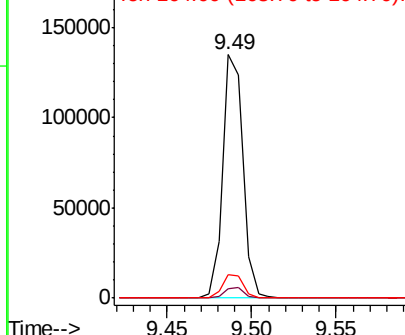
#50
Dimethylphthalate
Concen: 5.319 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

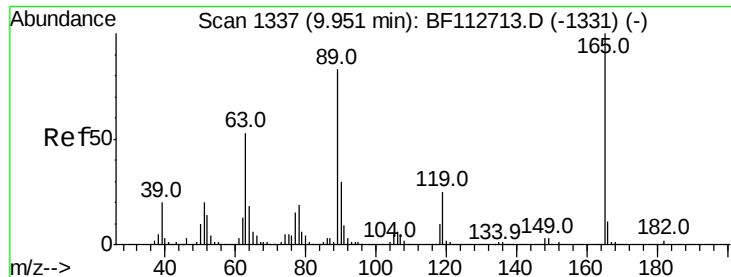
Tgt Ion:163 Resp: 112856

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.4	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: 6.744 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.18 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

Tot Ion:165 Resp: 37038

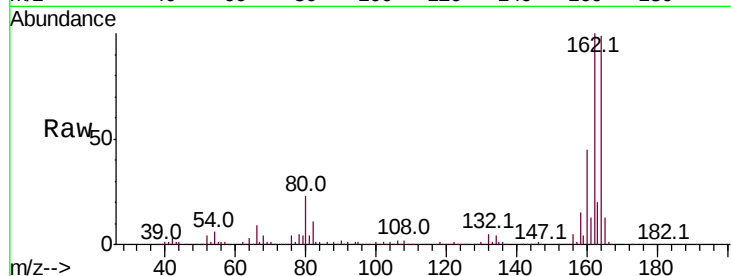
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.2 66.2 99.4#

182 0.8 1.8 2.6#

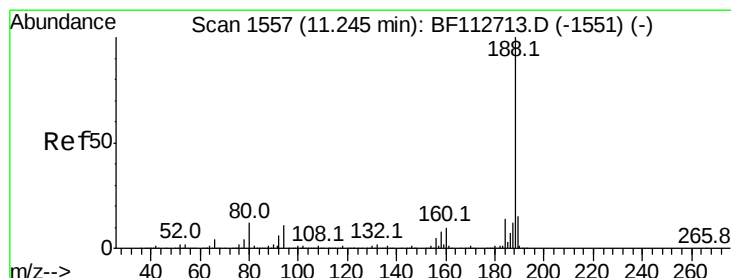
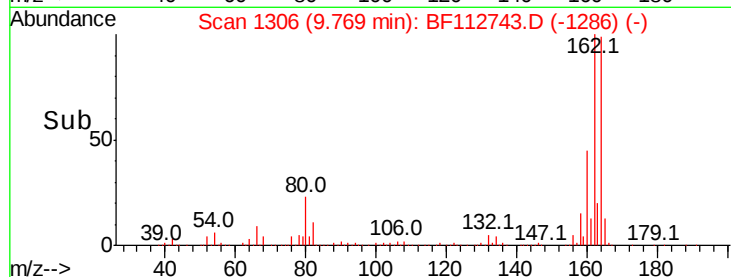
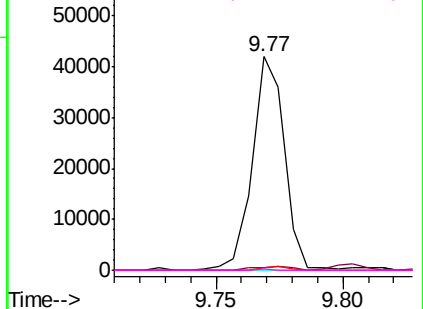


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

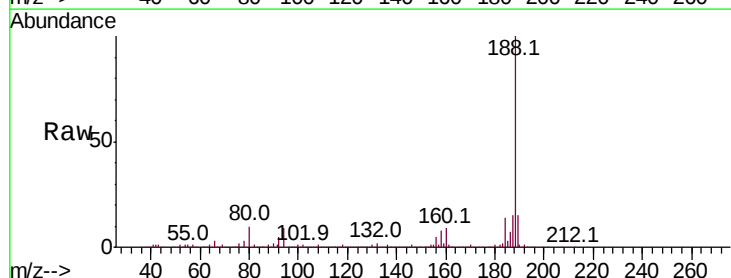
Tgt Ion:188 Resp: 588106

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.4

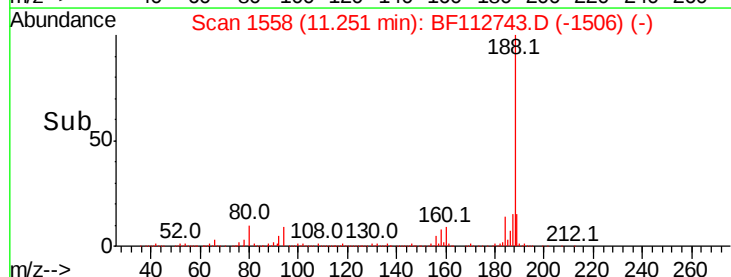
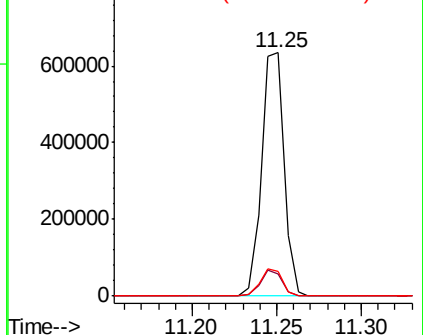
80 10.0 9.2 13.8

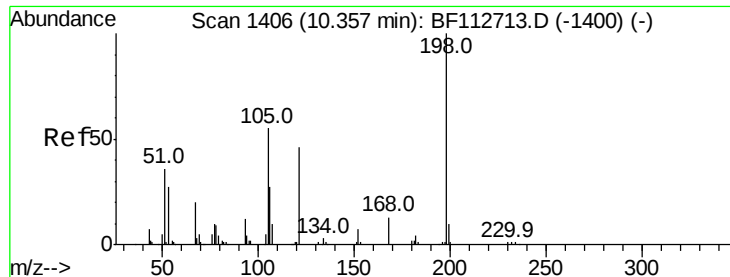


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.887 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

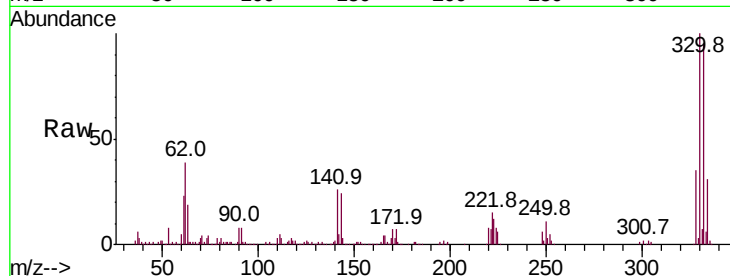
Tot Ion:198 Resp: 733

Ion Ratio Lower Upper

198 100

51 215.8 43.8 83.8#

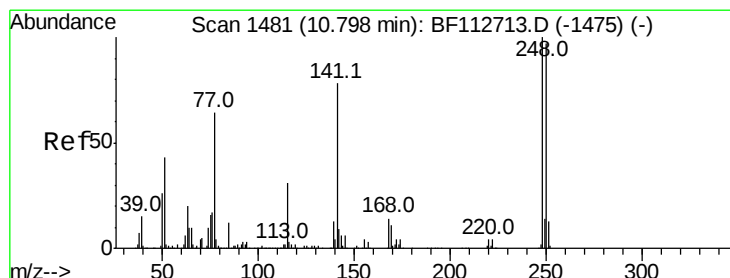
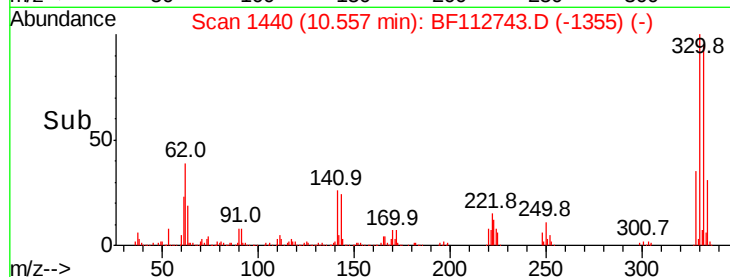
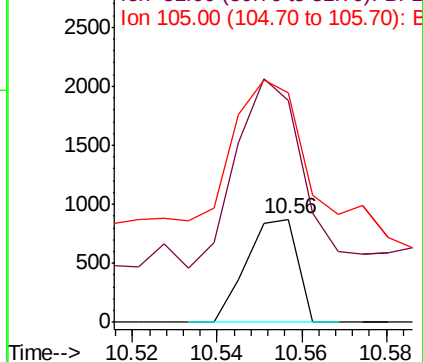
105 222.5 36.5 76.5#



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: 3.125 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

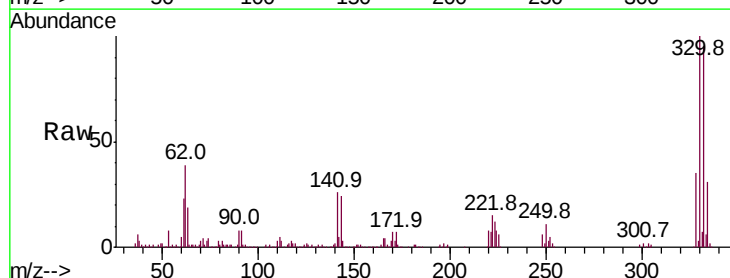
Tgt Ion:248 Resp: 19358

Ion Ratio Lower Upper

248 100

250 193.6 77.5 116.3#

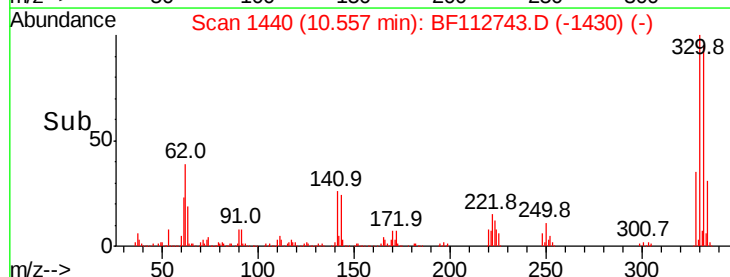
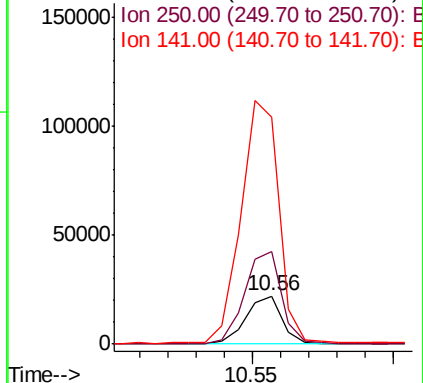
141 470.9 62.4 93.6#

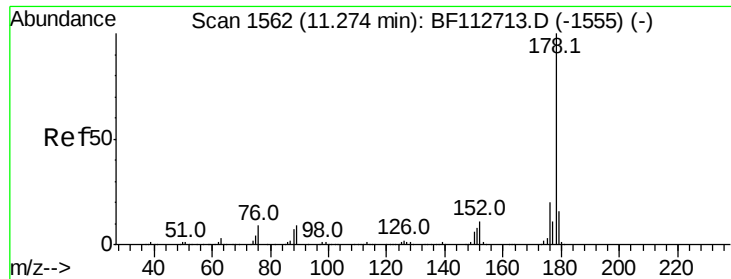


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.896 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

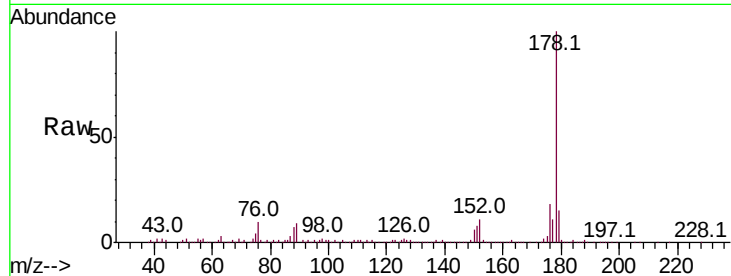
Tot Ion:178 Resp: 201782

Ion Ratio Lower Upper

178 100

176 18.4 16.3 24.5

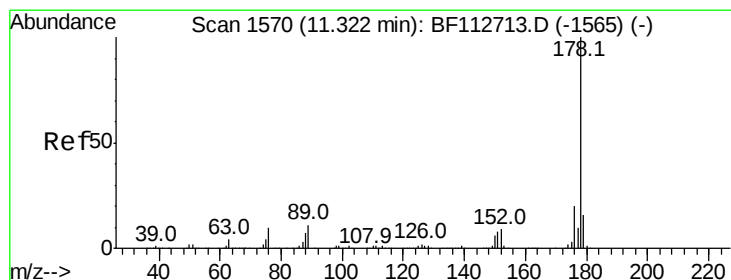
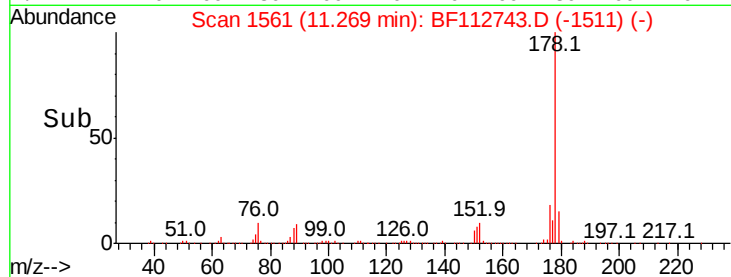
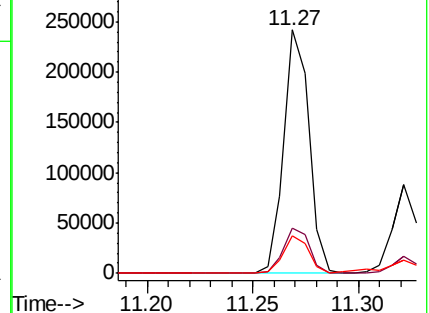
179 15.3 12.7 19.1



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



#72

Anthracene

Concen: 2.286 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

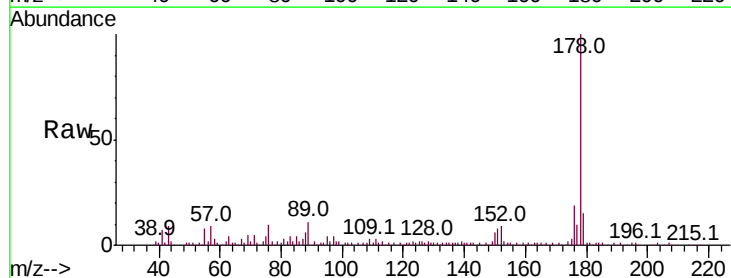
Tgt Ion:178 Resp: 70004

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

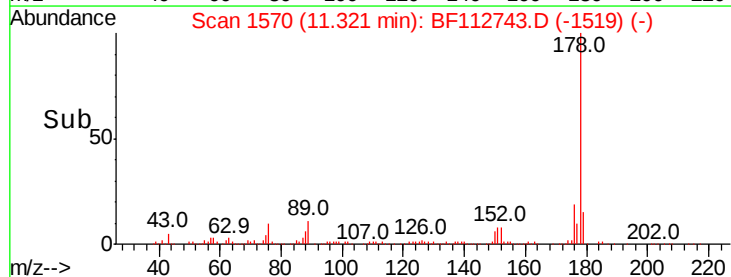
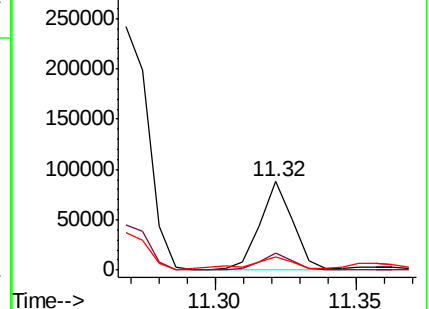
179 15.4 13.0 19.6

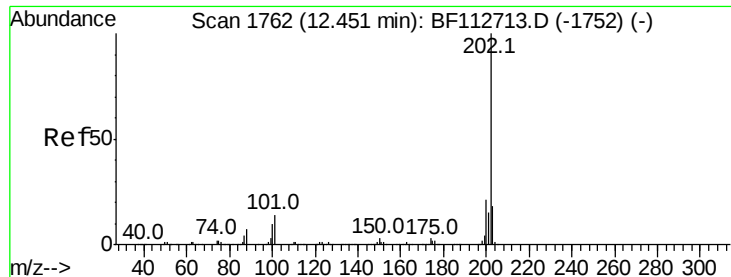


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 12.209 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

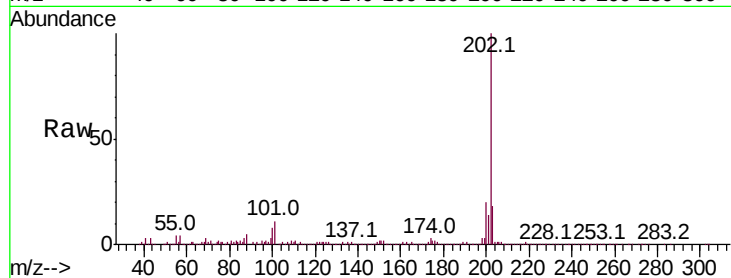
Tot Ion:202 Resp: 382753

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.8

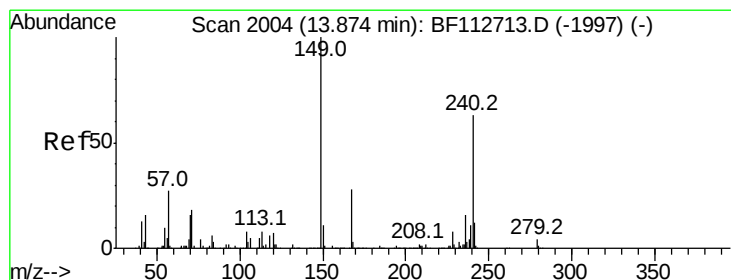
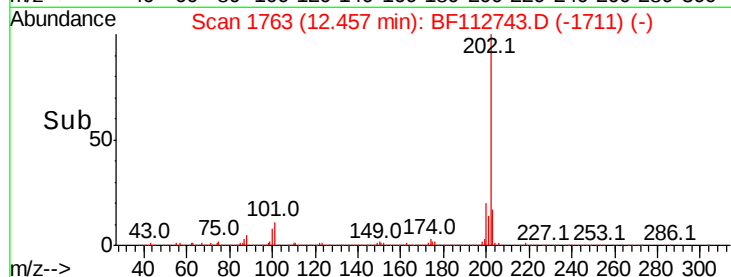
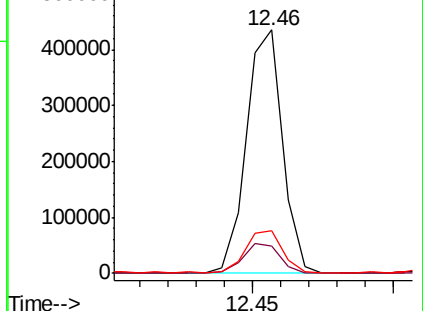
203 17.5 0.0 38.4



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: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

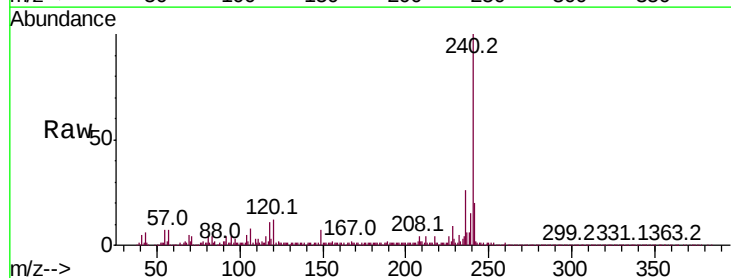
Tgt Ion:240 Resp: 425625

Ion Ratio Lower Upper

240 100

120 12.4 8.9 13.3

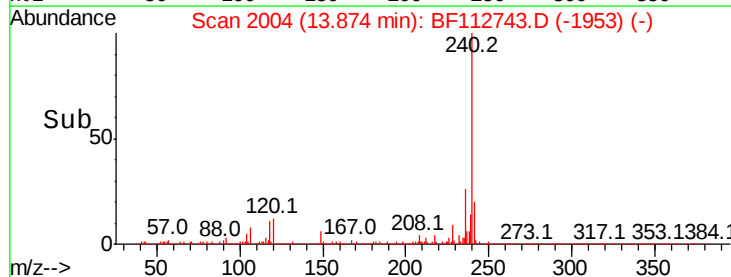
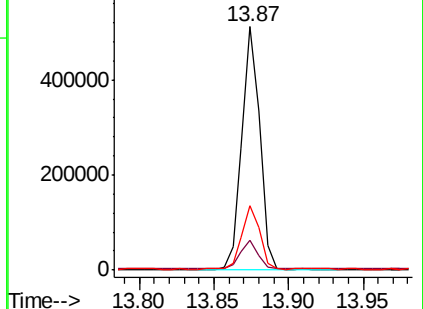
236 26.5 20.7 31.1

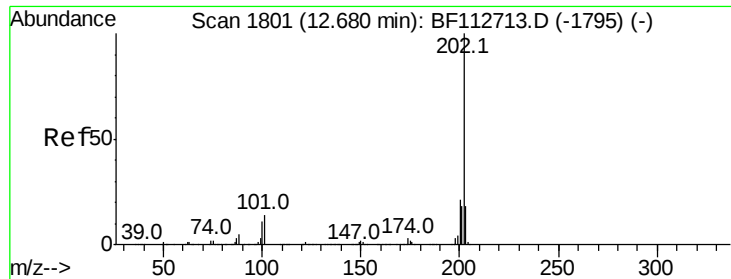


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

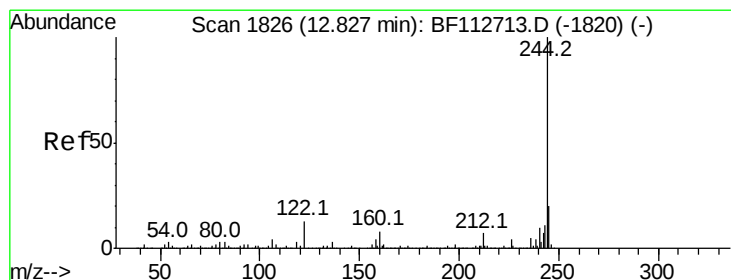
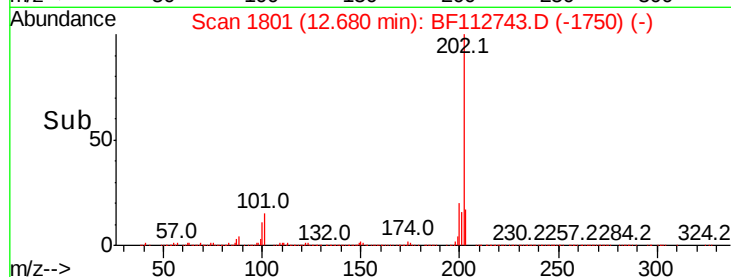
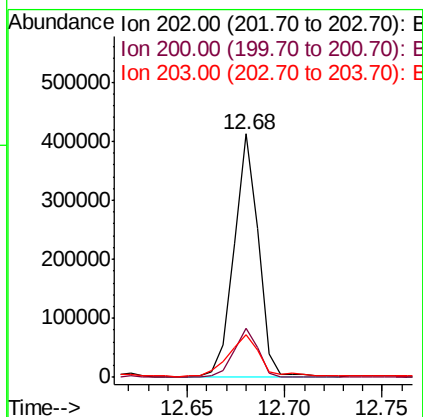
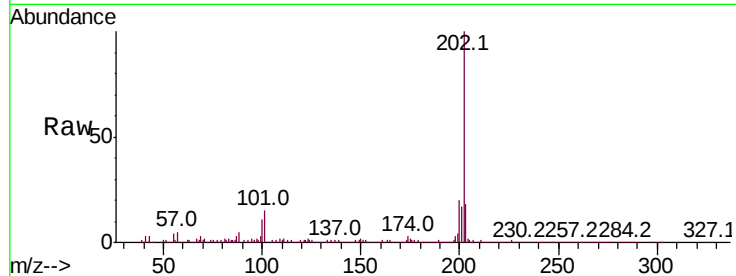




#78
Pvrene
Concen: 9.819 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

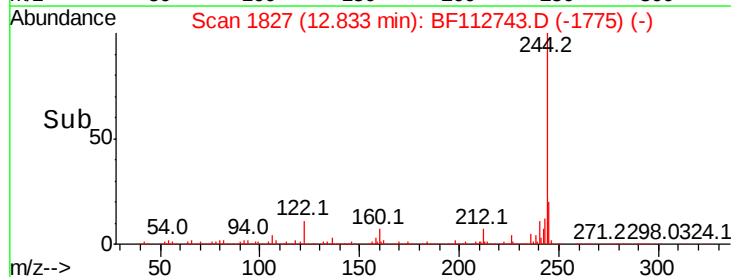
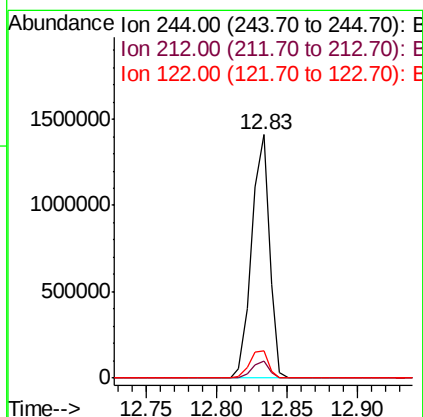
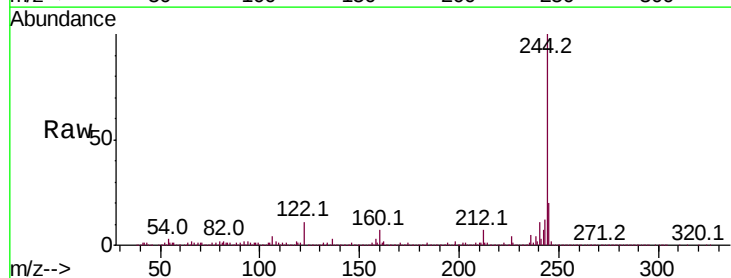
Instrument :
BNA_F
ClientSampleId :
COMP-14

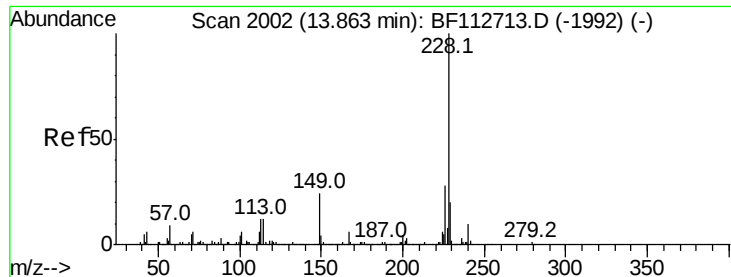
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.7	14.4	21.6



#79
Terphenyl-d14
Concen: 57.169 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.3	10.5	15.7





#81

Benzo(a)anthracene

Concen: 5.250 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

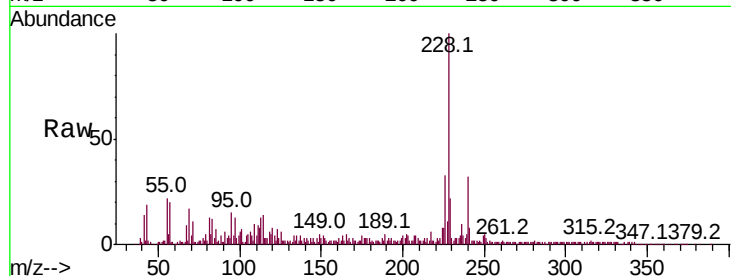
Tot Ion:228 Resp: 154866

Ion Ratio Lower Upper

228 100

226 33.0 22.2 33.4

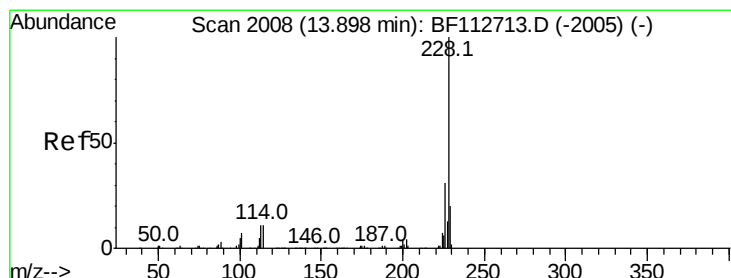
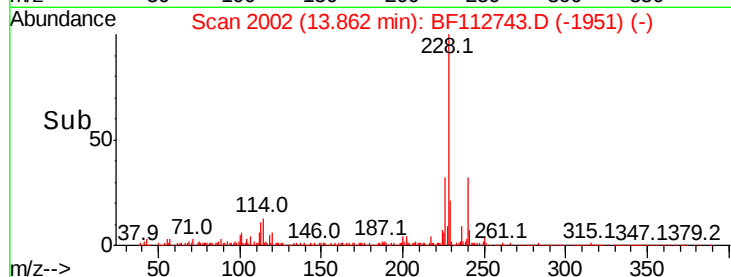
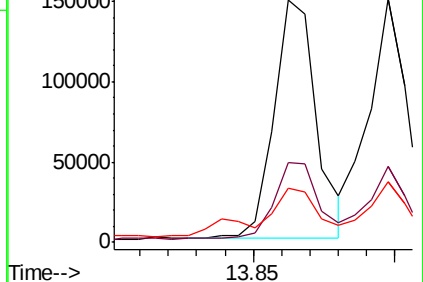
229 22.3 16.0 24.0



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: 5.360 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

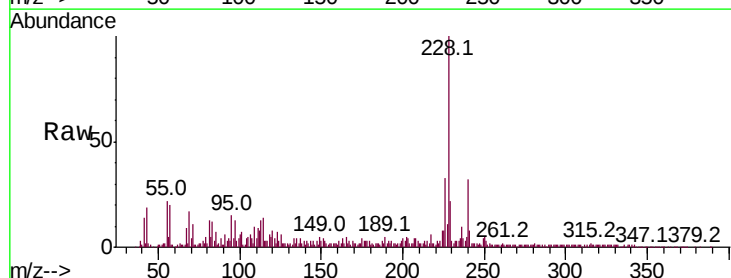
Tgt Ion:228 Resp: 154866

Ion Ratio Lower Upper

228 100

226 33.0 24.9 37.3

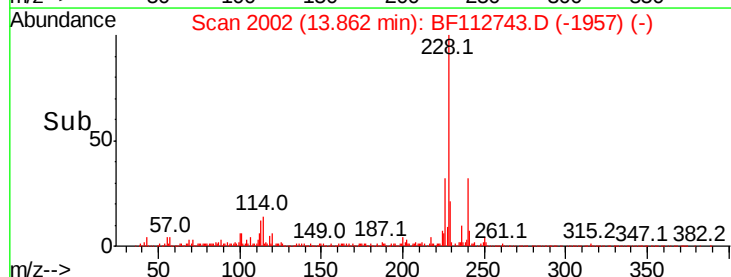
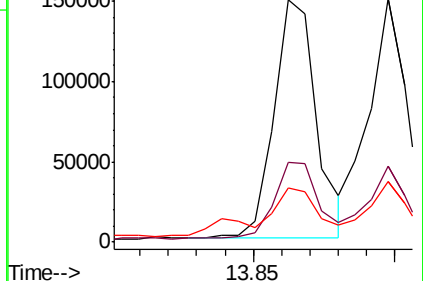
229 22.3 16.3 24.5

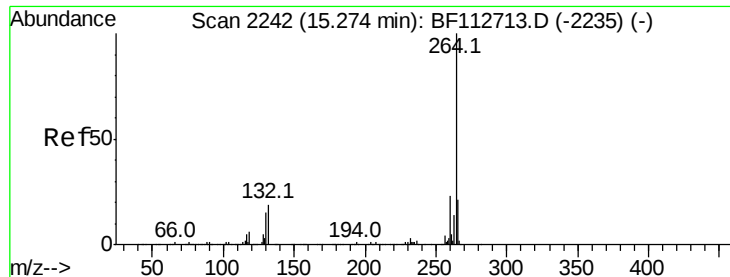


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



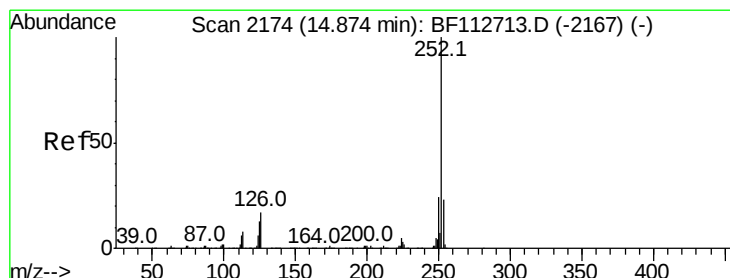
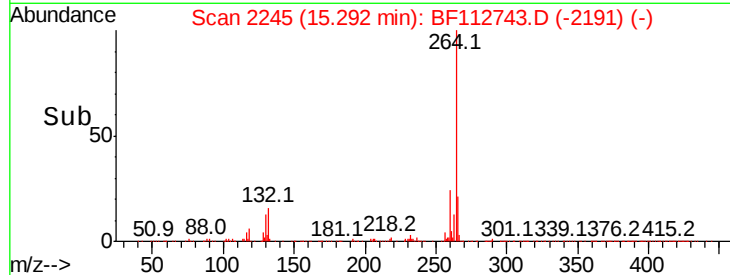
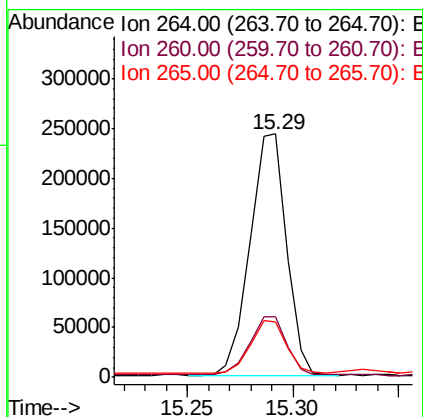
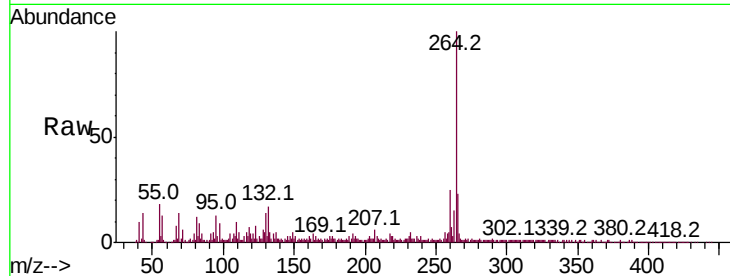


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion:264 Resp: 291635

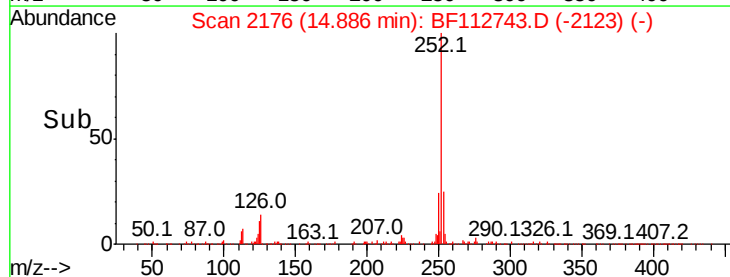
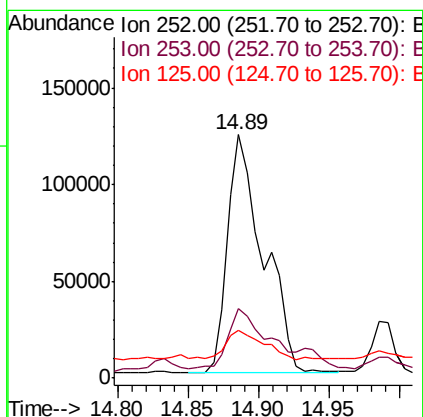
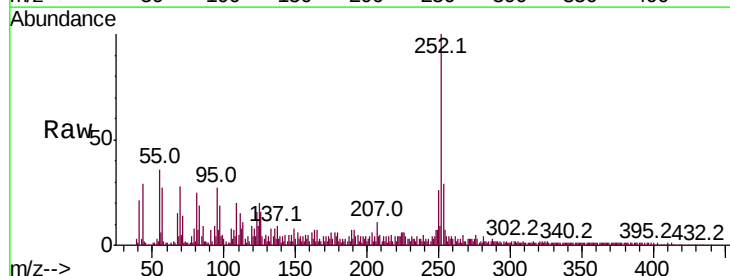
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	23.0	17.2	25.8

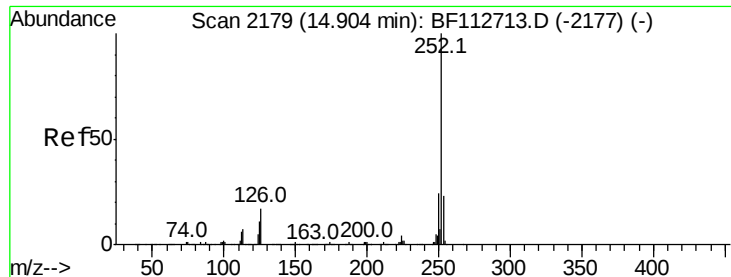


#88
Benzo(b)fluoranthene
Concen: 11.662 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion:252 Resp: 219994

Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.0	27.0#
125	19.7	10.2	15.2#

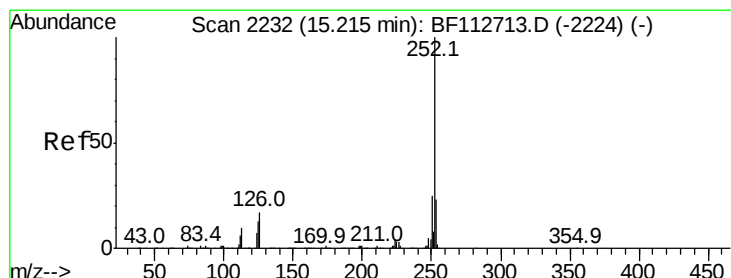
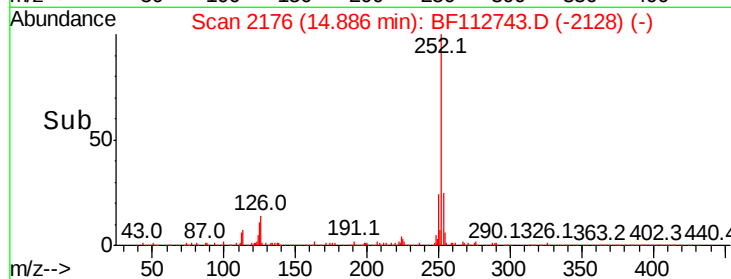
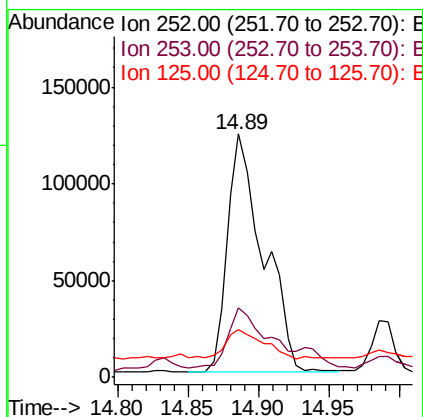
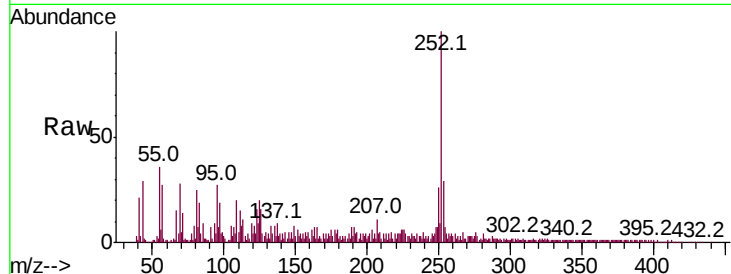




#89
Benzo(k)fluoranthene
Concen: 12.875 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

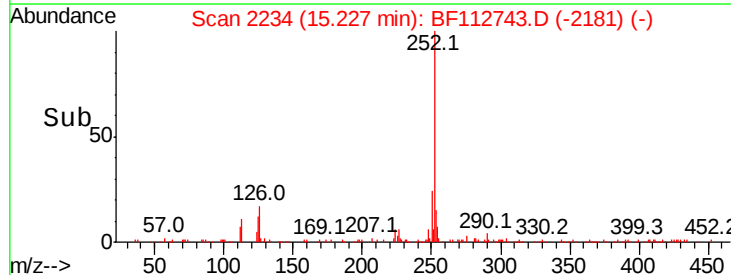
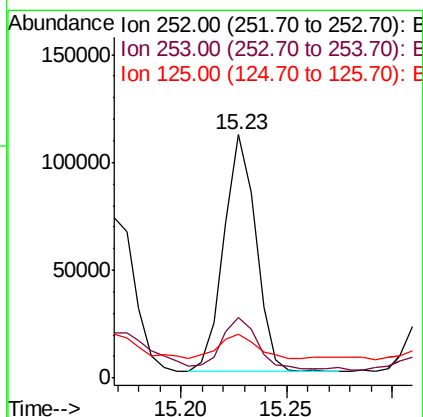
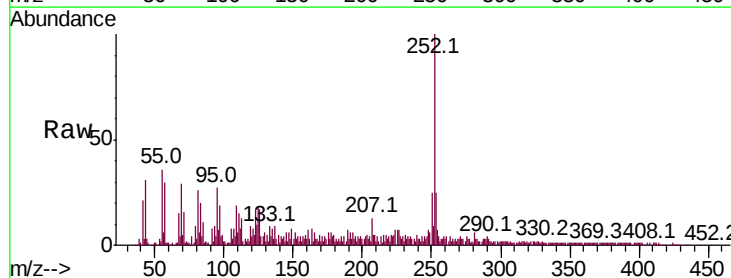
Instrument :
BNA_F
ClientSampleId :
COMP-14

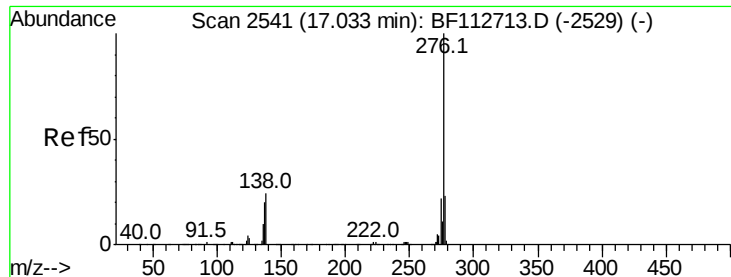
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.2	27.2#
125	19.7	9.8	14.6#



#90
Benzo(a)pyrene
Concen: 6.917 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	18.1	10.7	16.1#





#92

Benzo(a,h,i)perylene

Concen: 5.726 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.02 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

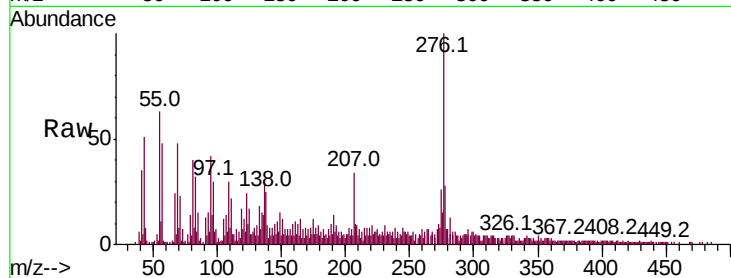
Tot Ion:276 Resp: 81860

Ion Ratio Lower Upper

276 100

277 28.2 18.6 27.8#

138 25.4 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

