

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112744.D
 Acq On : 28 Feb 2019 3:08
 Operator : JU/SJ
 Sample : K1596-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

Quant Time: Feb 28 04:21:19 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	202032	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	710222	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	299489	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	581943	20.00	ng	0.00
76) Chrysene-d12	13.87	240	399365	20.00	ng	0.00
87) Perylene-d12	15.29	264	282025	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1182095	91.02	ng	0.00
7) Phenol-d6	6.37	99	1492893	91.50	ng	0.00
23) Nitrobenzene-d5	7.30	82	843511	71.07	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	329520	103.64	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1215749	66.85	ng	0.00
79) Terphenyl-d14	12.83	244	1193484	57.93	ng	0.00

Target Compounds

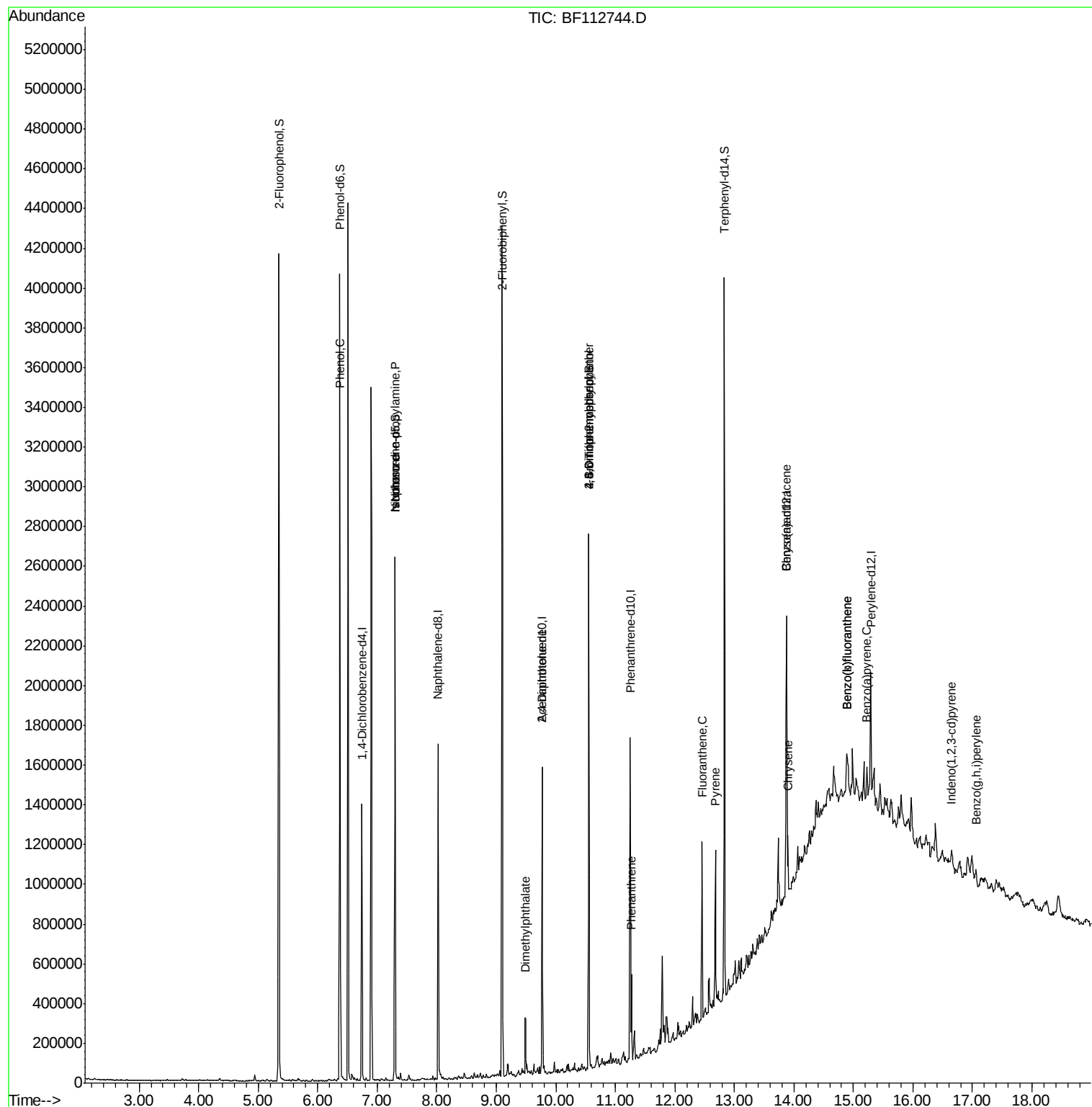
						Qvalue
10) Phenol	6.39	94	57020	2.995	ng	93
19) n-Nitroso-di-n-propylamine	7.30	70	111941	10.834	ng	# 78
25) Isophorone	7.30	82	838584	32.795	ng	# 66
50) Dimethylphthalate	9.49	163	102277	4.632	ng	98
57) 2,4-Dinitrotoluene	9.77	165	38495	6.734	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	493	4.799	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	19112	3.118	ng	# 1
71) Phenanthrene	11.27	178	160865	5.556	ng	99
75) Fluoranthene	12.46	202	333744	10.759	ng	96
78) Pyrene	12.68	202	326937	9.711	ng	99
81) Benzo(a)anthracene	13.87	228	135636	4.900	ng	95
83) Chrysene	13.90	228	127640	4.708	ng	96
86) Indeno(1,2,3-cd)pyrene	16.65	276	53515	2.315	ng	94
88) Benzo(b)fluoranthene	14.89	252	154356	8.461	ng	# 84
89) Benzo(k)fluoranthene	14.89	252	154356	9.341	ng	# 83
90) Benzo(a)pyrene	15.23	252	83656	5.185	ng	# 86
92) Benzo(a,h,i)perylene	17.06	276	57076	4.128	ng	# 88

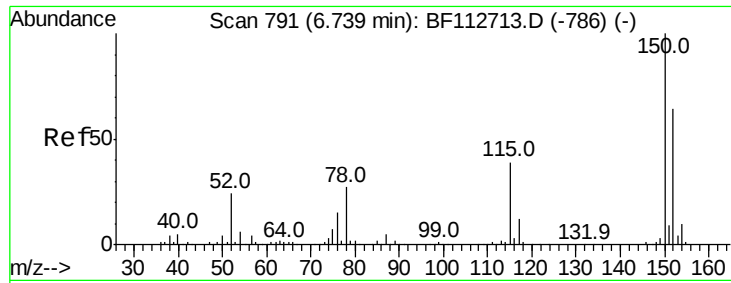
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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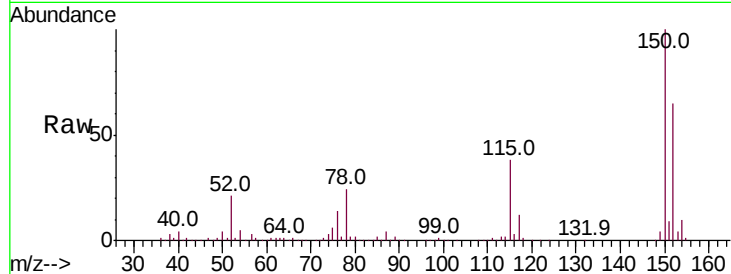


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.2	186.2
115	57.6	48.2	72.4

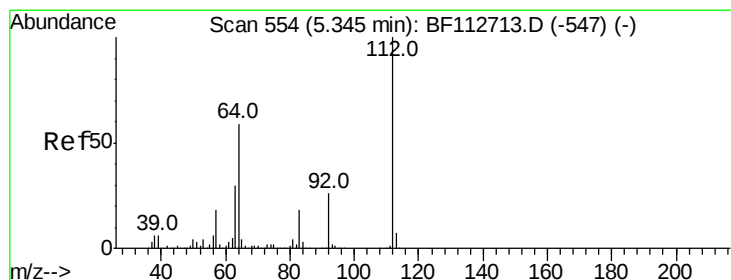
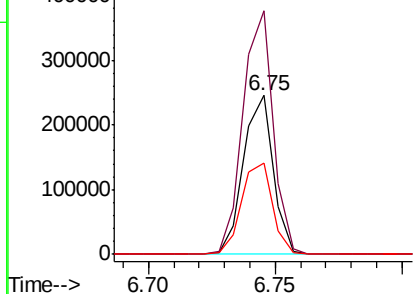
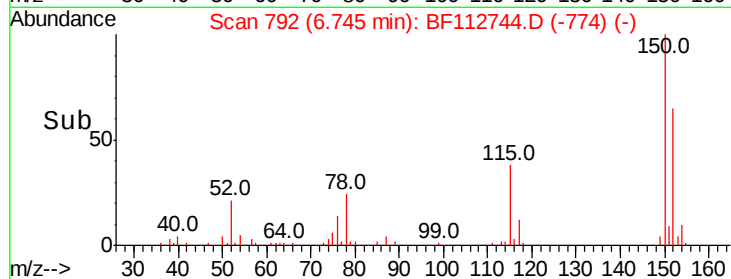


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

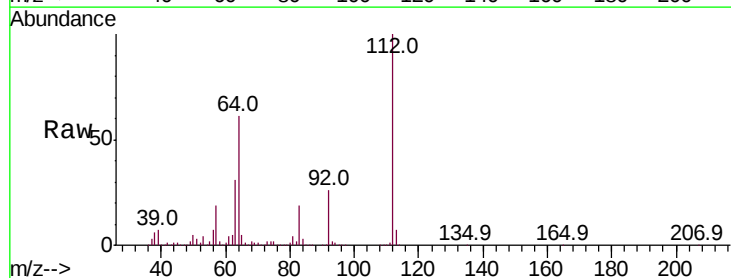
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 91.015 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.6	71.4
63	30.9	24.4	36.6

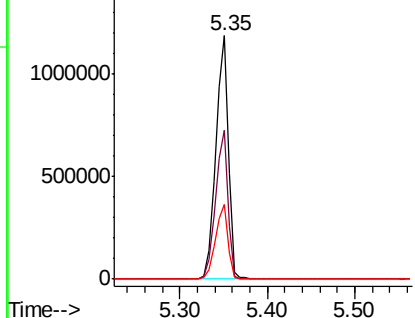
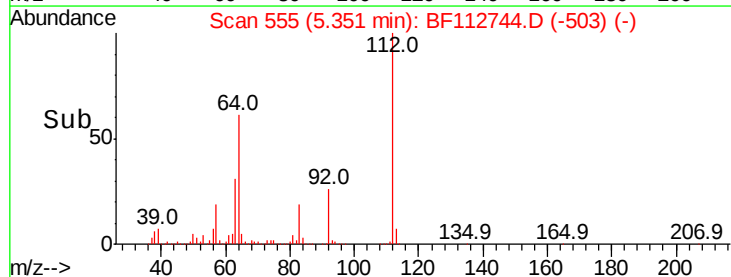


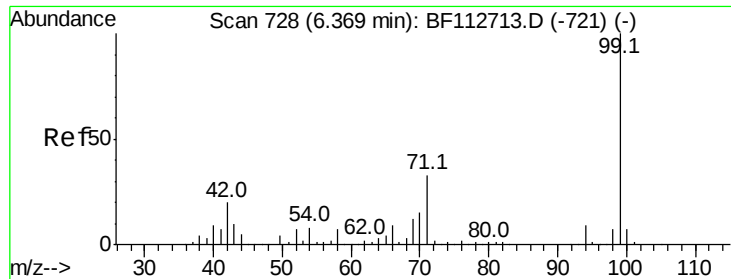
Abundance

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: 91.505 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

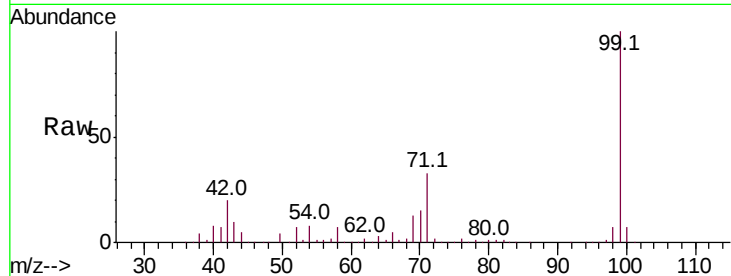
Tot Ion: 99 Resp: 1492893

Ion Ratio Lower Upper

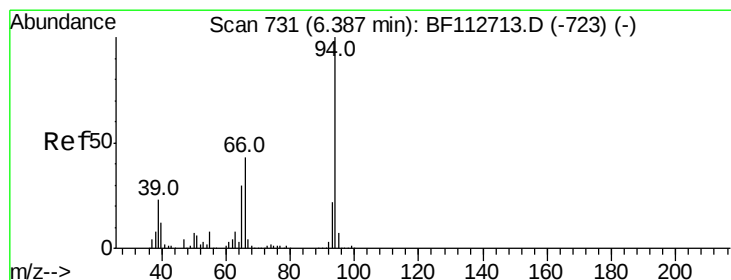
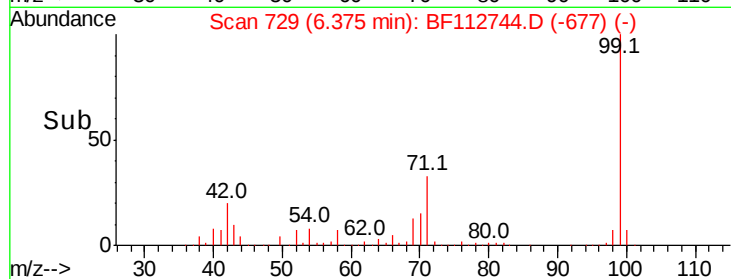
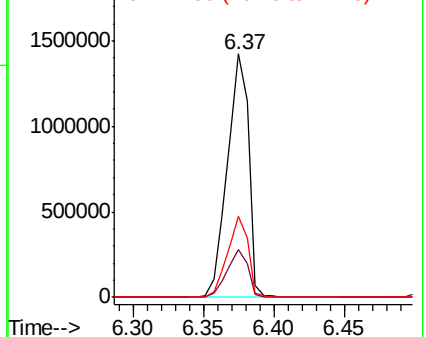
99 100

42 19.7 16.3 24.5

71 33.3 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



#10

Phenol

Concen: 2.995 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

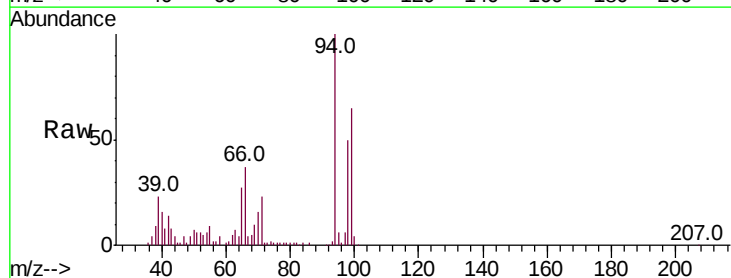
Tgt Ion: 94 Resp: 57020

Ion Ratio Lower Upper

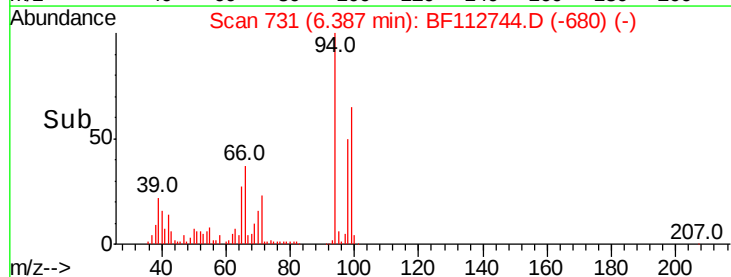
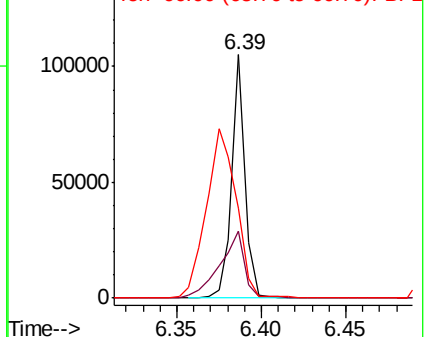
94 100

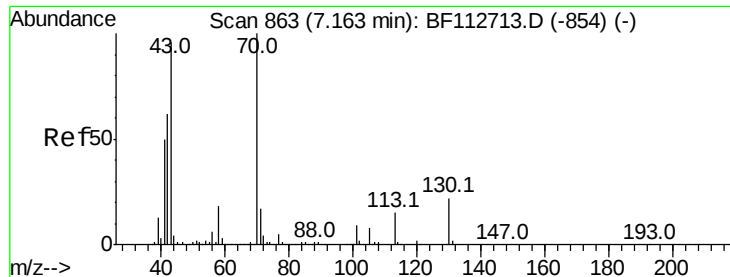
65 27.5 10.5 50.5

66 37.1 22.6 62.6



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

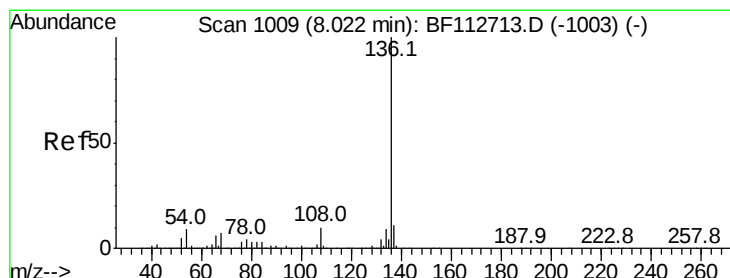
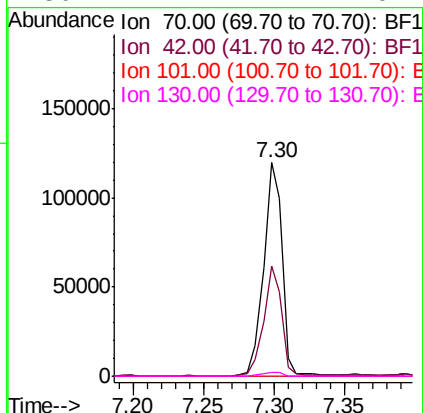
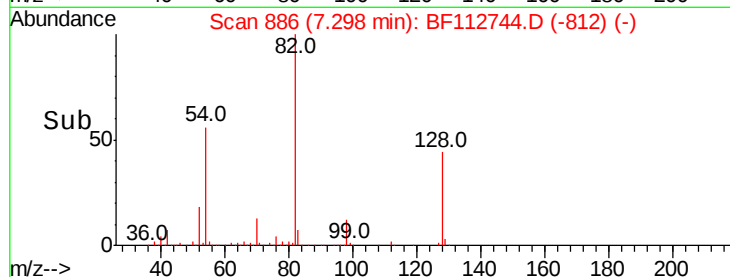
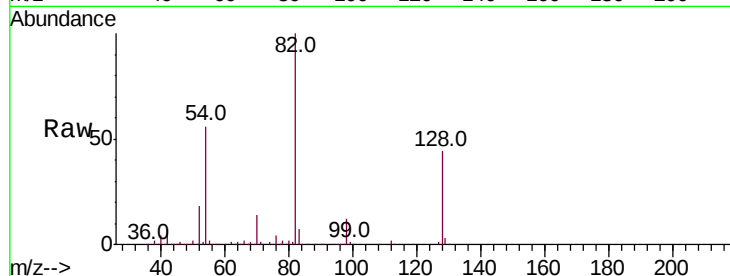




#19
n-Nitroso-di-n-propylamine
Concen: 10.834 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

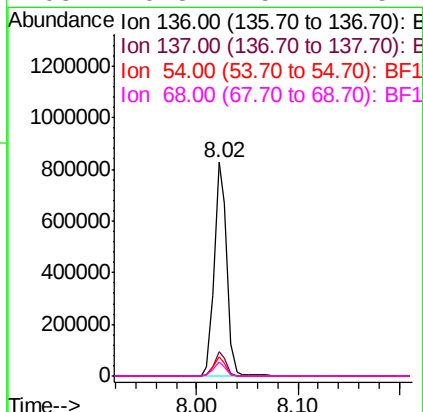
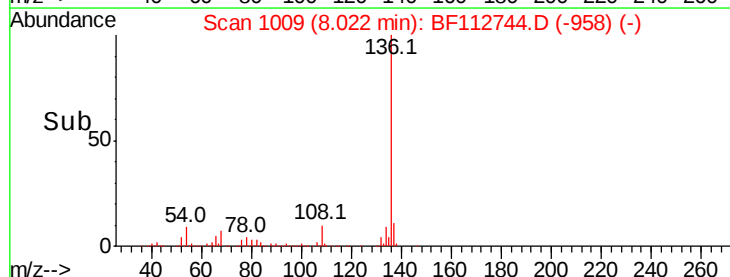
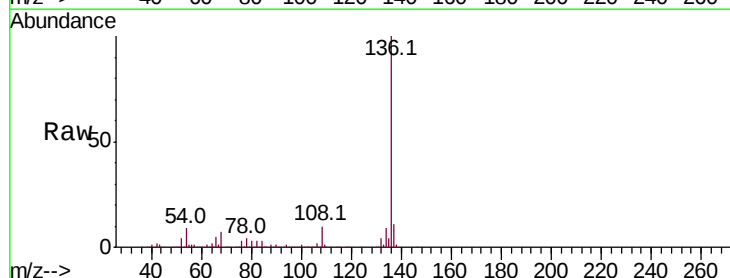
Instrument :
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COMP-15

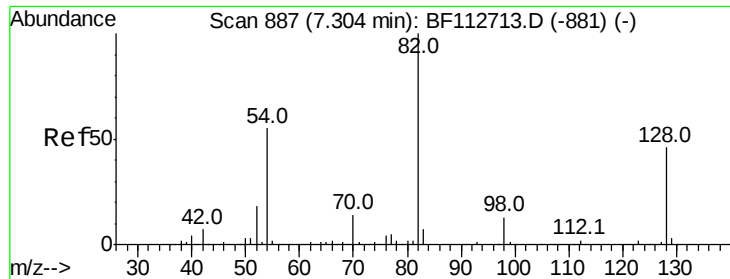
Tot Ion: 70 Resp: 111941
Ion Ratio Lower Upper
70 100
42 51.6 49.9 74.9
101 0.0 7.4 11.2#
130 2.1 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion:136 Resp: 710222
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.8 7.3 10.9
68 6.8 5.4 8.2

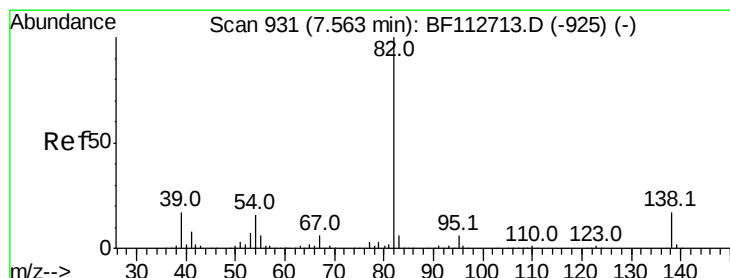
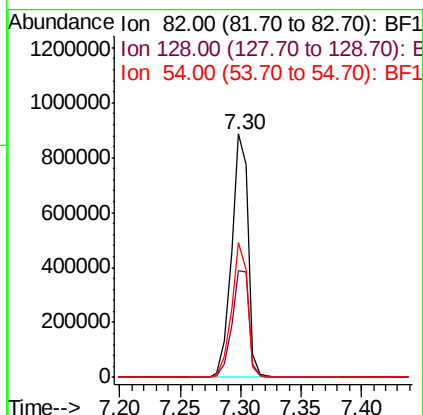
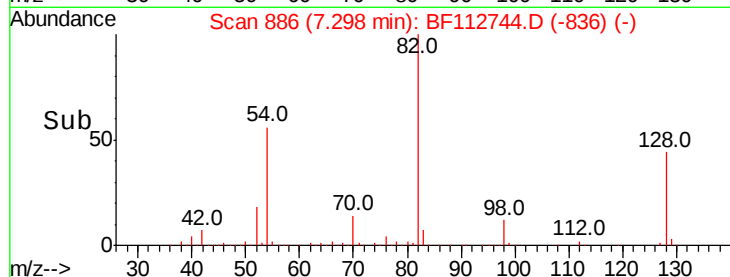
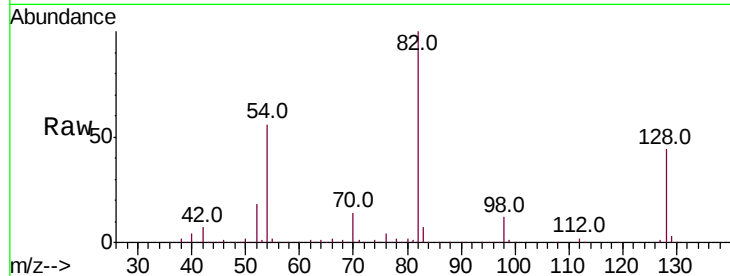




#23
Nitrobenzene-d5
Concen: 71.068 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

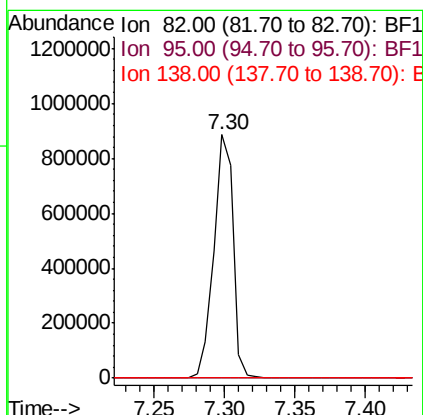
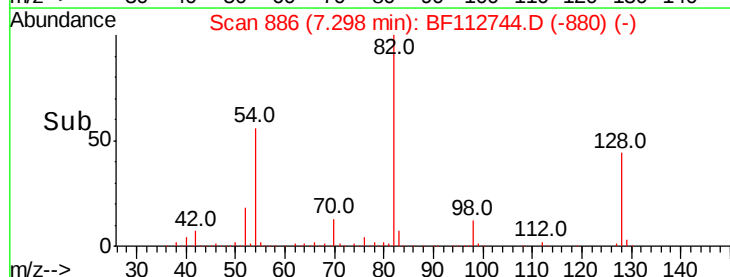
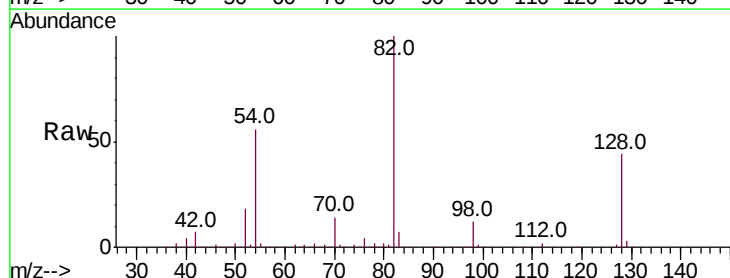
Instrument :
BNA_F
ClientSampled :
COMP-15

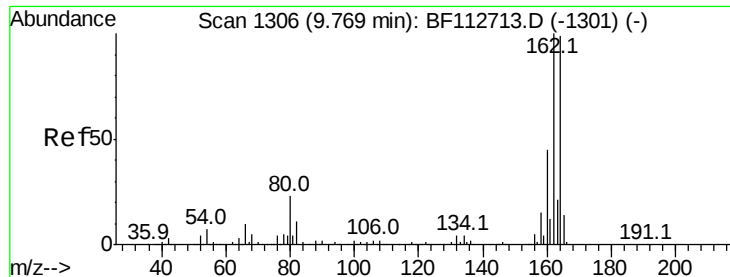
Tot Ion: 82 Resp: 843511
Ion Ratio Lower Upper
82 100
128 44.0 36.3 54.5
54 55.5 43.7 65.5



#25
Isophorone
Concen: 32.795 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion: 82 Resp: 838584
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

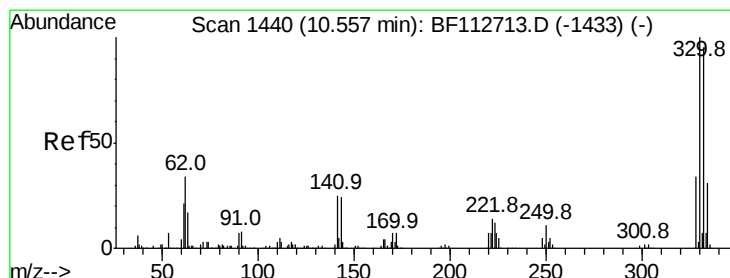
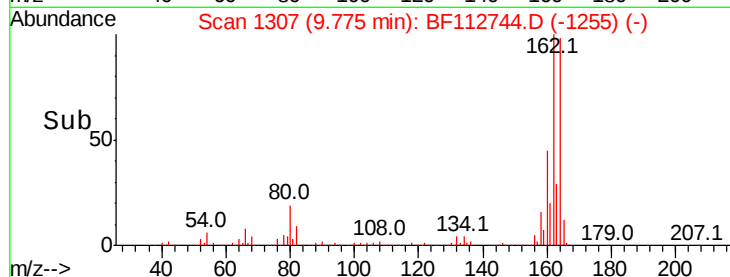
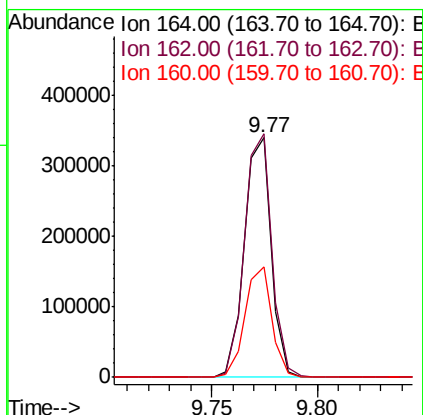
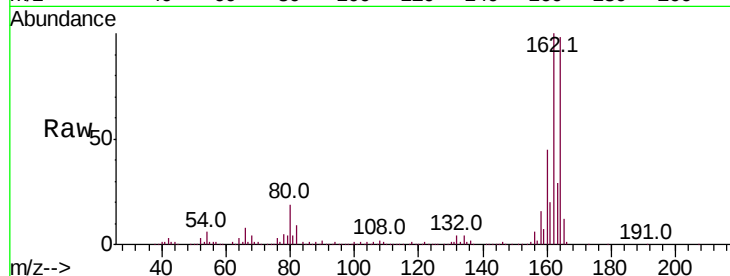




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

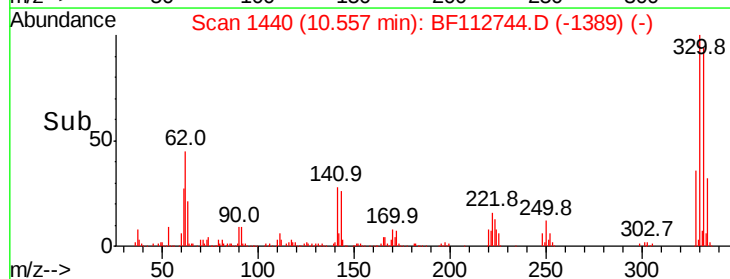
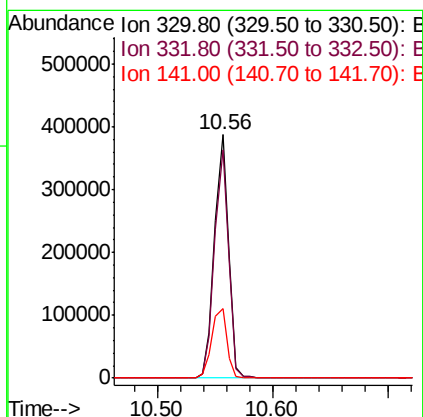
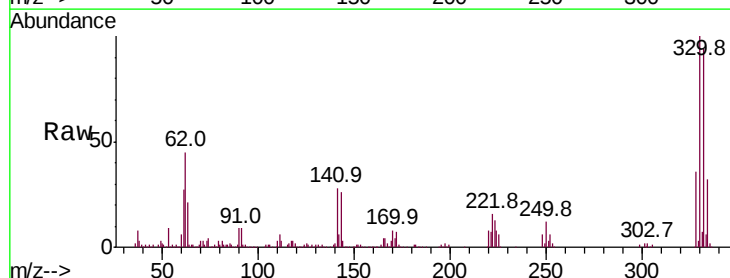
Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

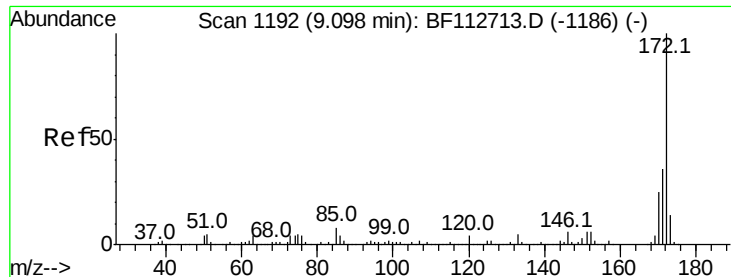
Tot Ion:164 Resp: 299489
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.6 120.8
 160 45.9 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 103.641 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Tgt Ion:330 Resp: 329520
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.2 114.4
 141 30.8 27.0 40.6

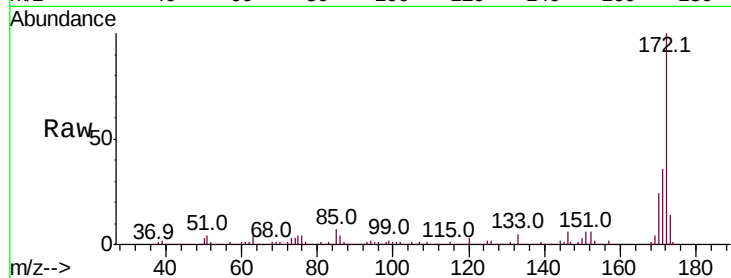




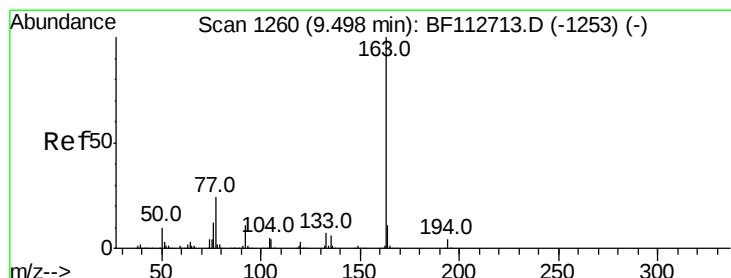
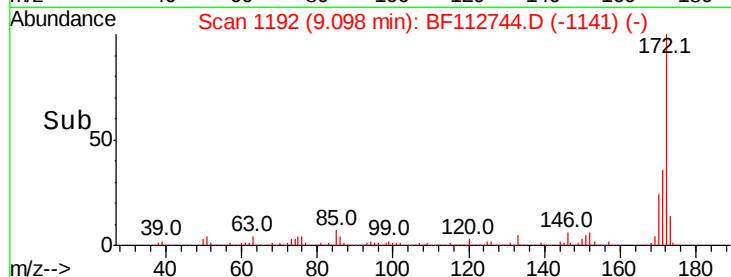
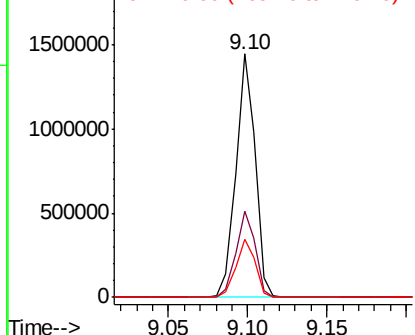
#45
2-Fluorobiphenyl
Concen: 66.849 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion:172 Resp: 1215749
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.4
170 24.0 20.0 30.0

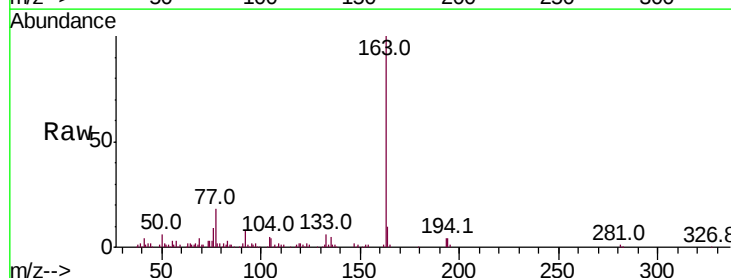


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

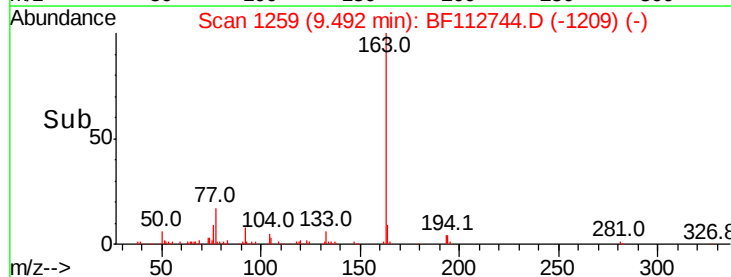
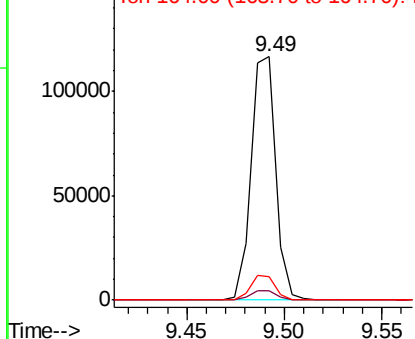


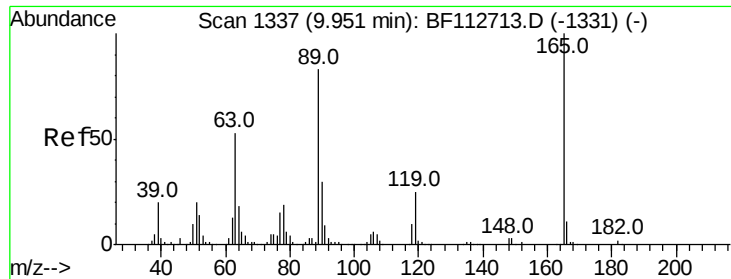
#50
Dimethylphthalate
Concen: 4.632 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion:163 Resp: 102277
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
150000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

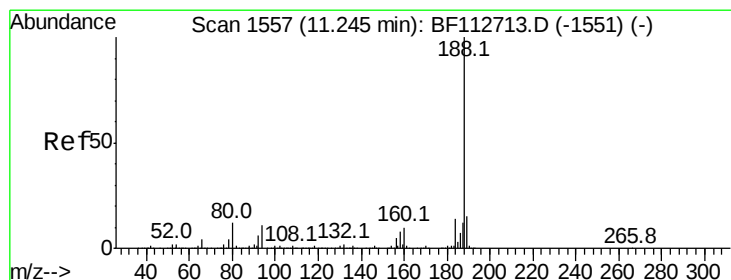
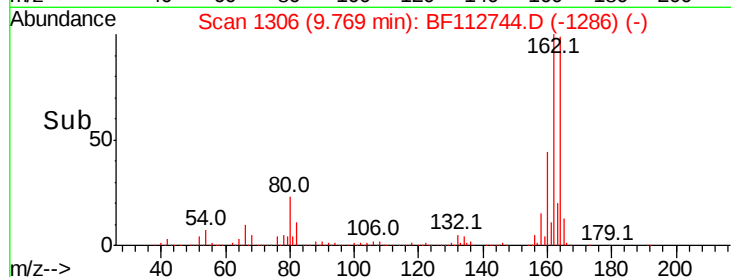
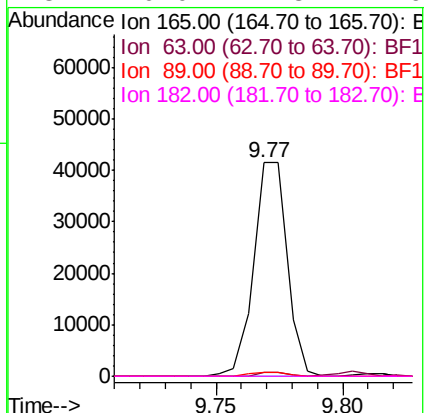
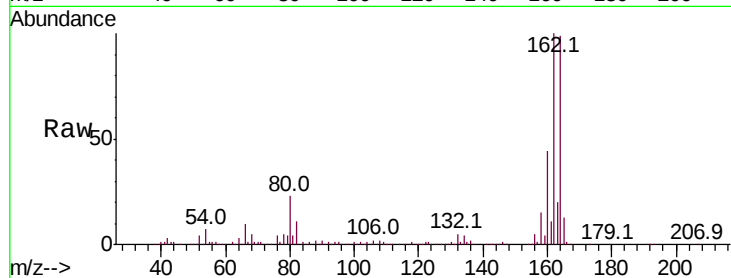




#57
 2,4-Dinitrotoluene
 Concen: 6.734 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.18 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

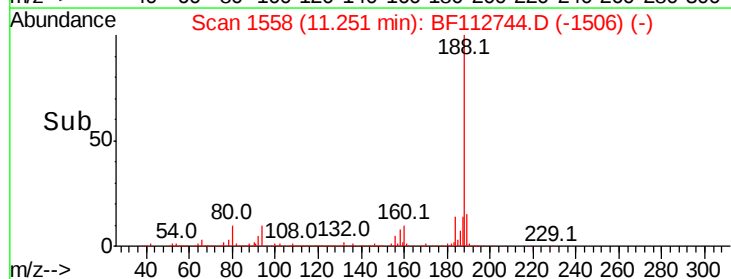
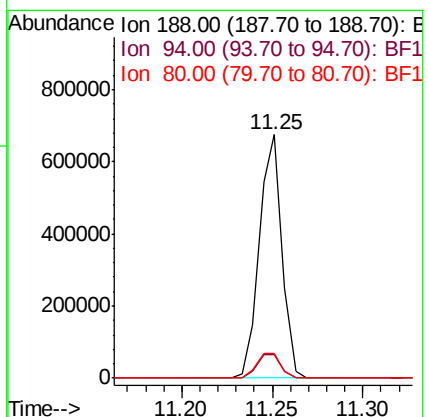
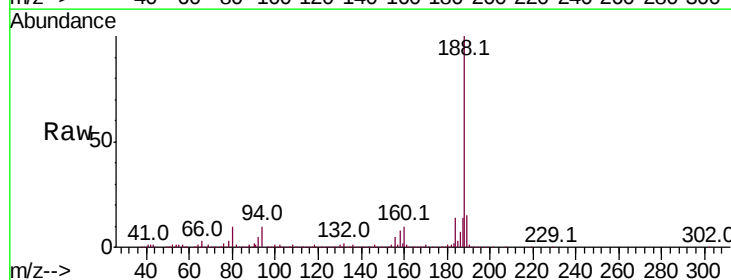
Instrument :
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 ClientSampleId :
 COMP-15

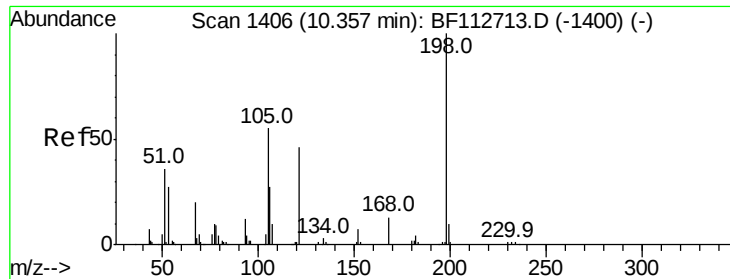
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.2#
89	1.6	66.2	99.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.0	9.2	13.8

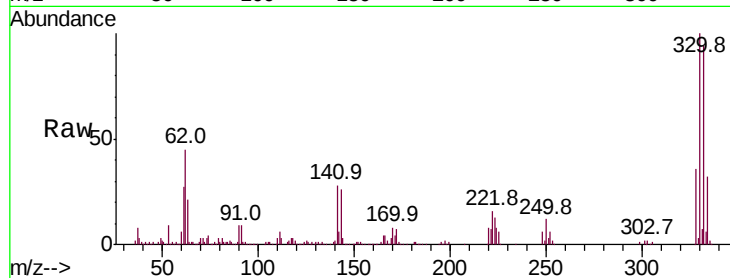




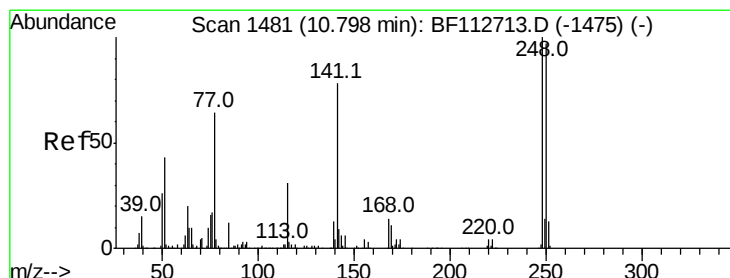
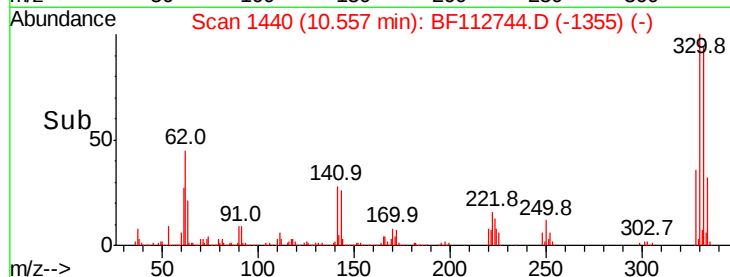
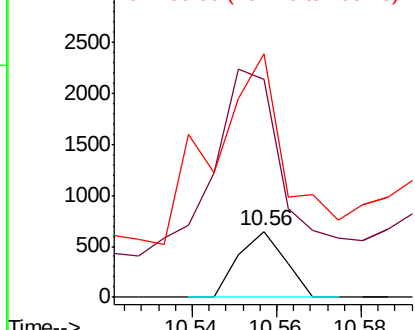
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.799 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.20 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

Tot Ion:198 Resp: 493
 Ion Ratio Lower Upper
 198 100
 51 329.7 43.8 83.8#
 105 368.3 36.5 76.5#

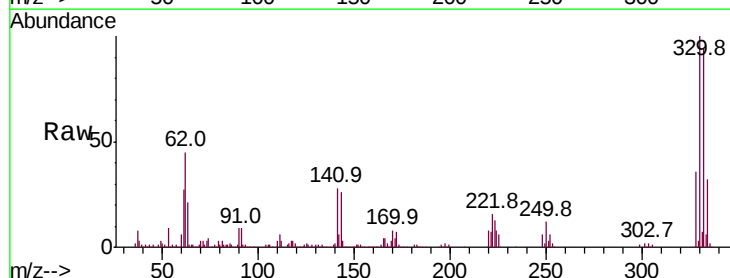


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

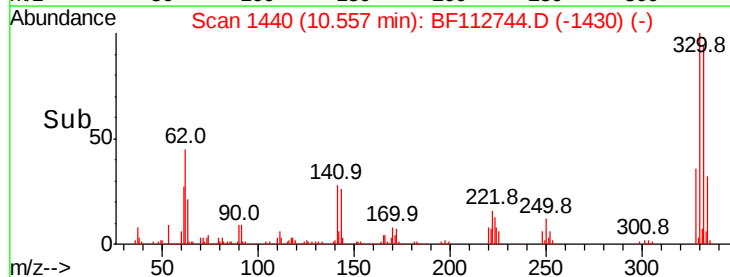
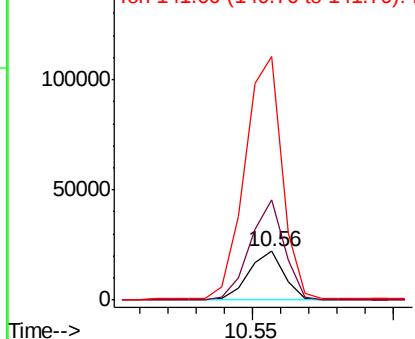


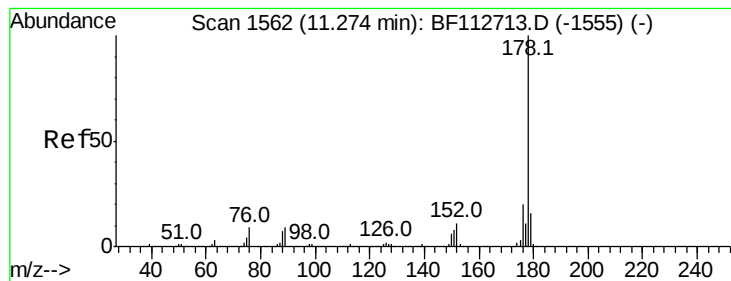
#67
 4-Bromophenyl-phenylether
 Concen: 3.118 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Tgt Ion:248 Resp: 19112
 Ion Ratio Lower Upper
 248 100
 250 205.1 77.5 116.3#
 141 500.0 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: 5.556 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

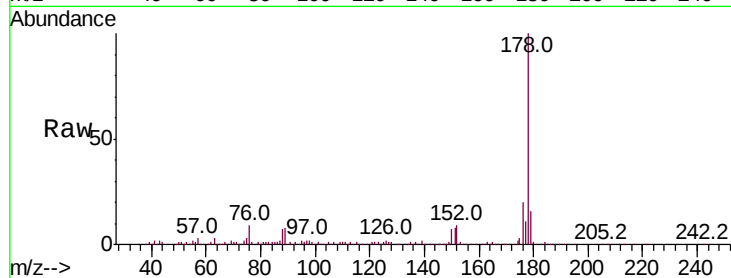
Tot Ion:178 Resp: 160865

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

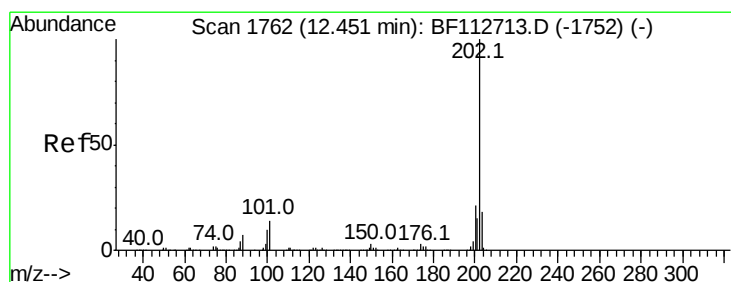
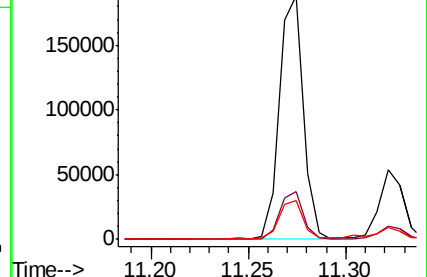
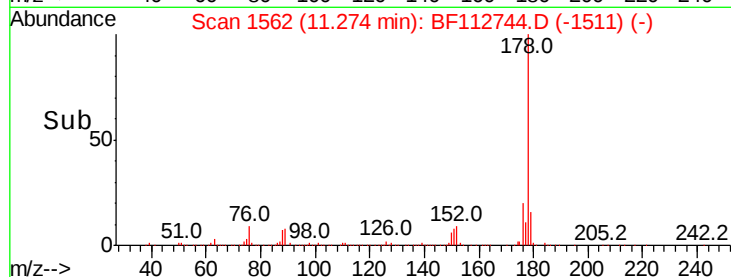
179 15.9 12.7 19.1



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: 10.759 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

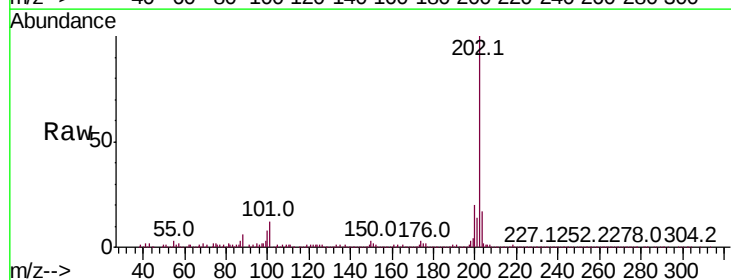
Tgt Ion:202 Resp: 333744

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.8

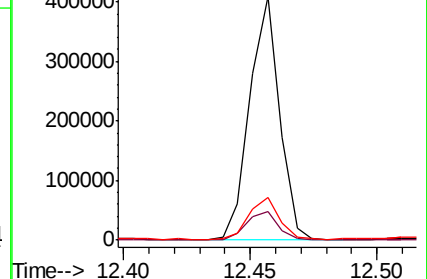
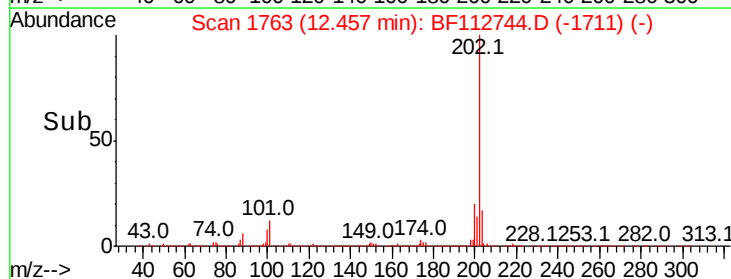
203 17.5 0.0 38.4

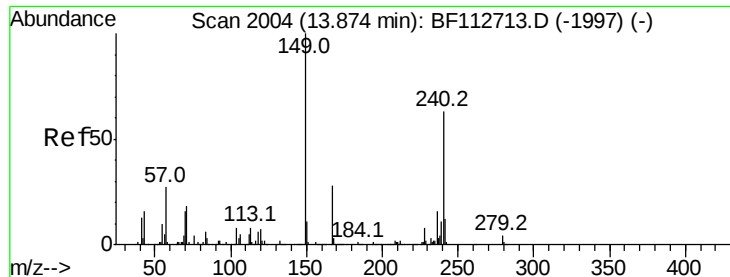


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

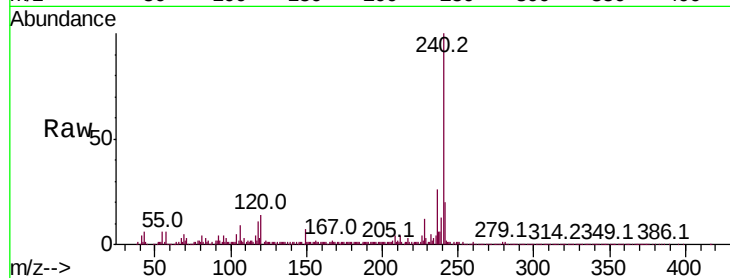
Tot Ion:240 Resp: 399365

Ion Ratio Lower Upper

240 100

120 13.7 8.9 13.3#

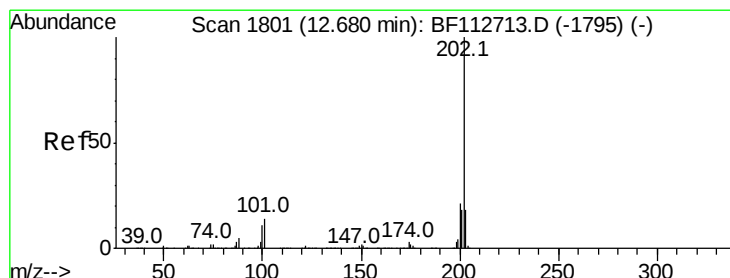
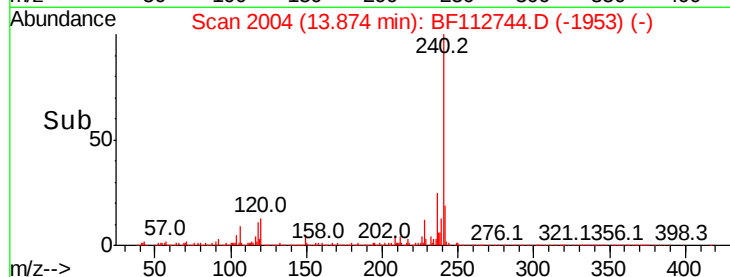
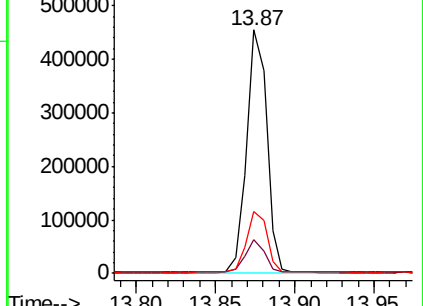
236 25.6 20.7 31.1



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: 9.711 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

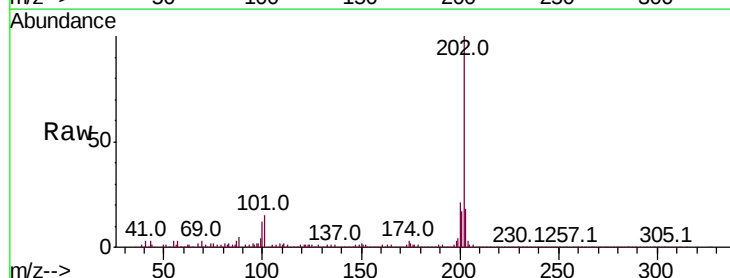
Tgt Ion:202 Resp: 326937

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

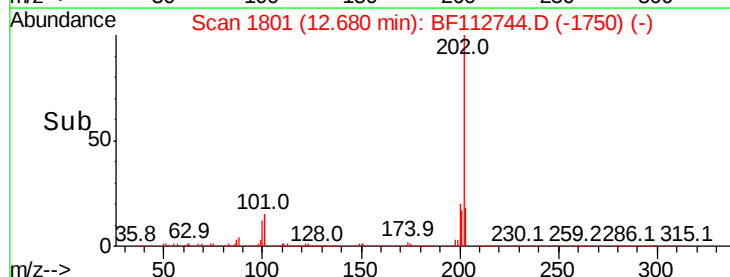
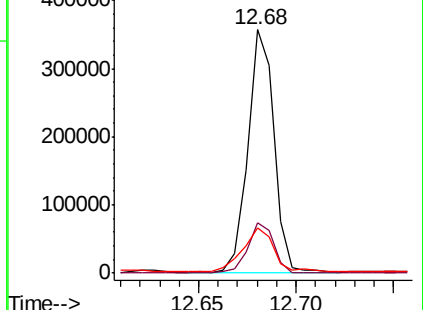
203 18.5 14.4 21.6

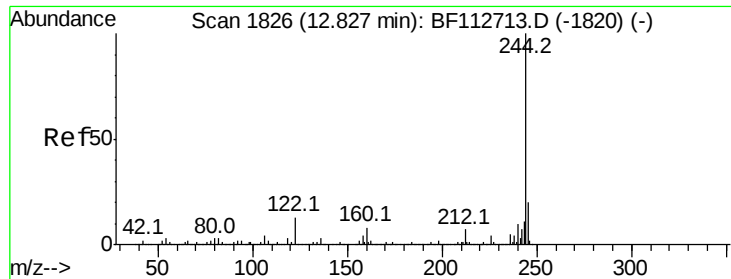


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

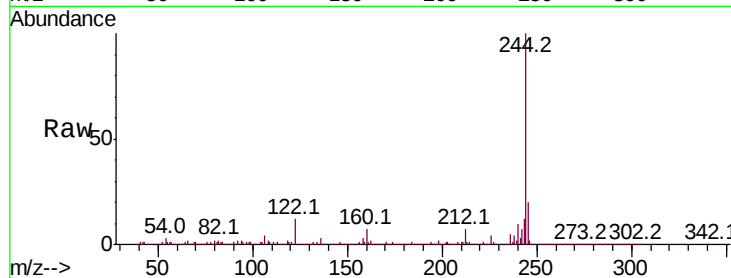




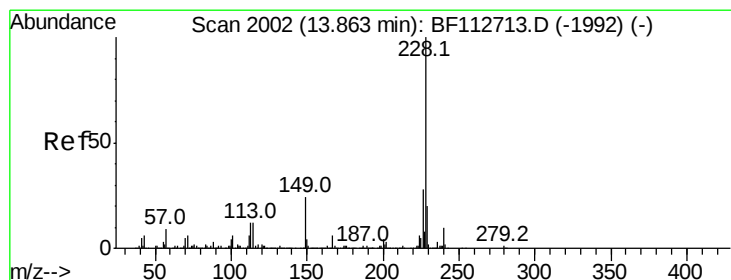
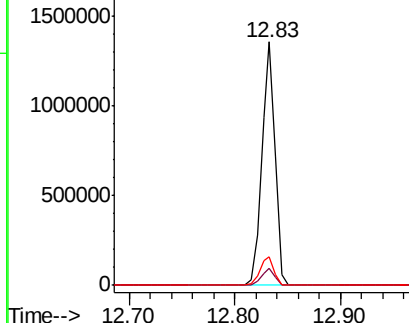
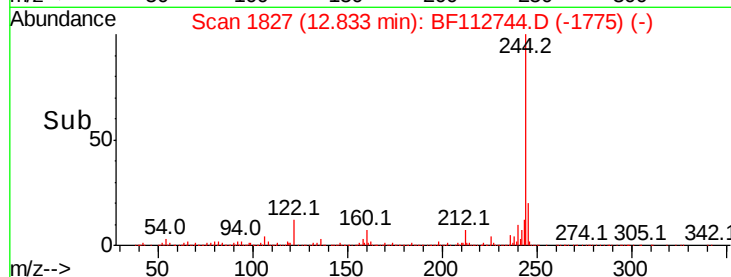
#79
 Terphenyl-d14
 Concen: 57.931 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

Tot Ion:244 Resp: 1193484
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.9 10.5 15.7

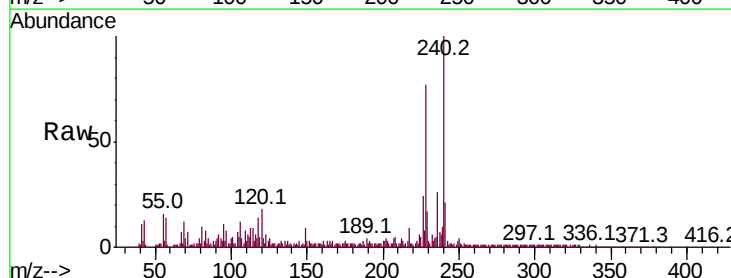


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

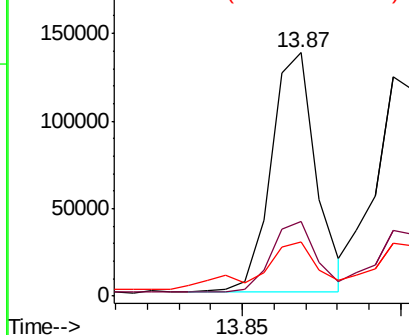
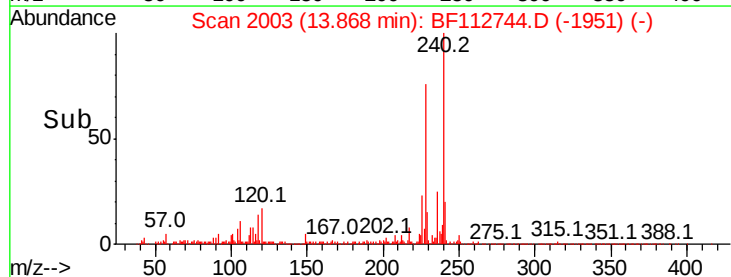


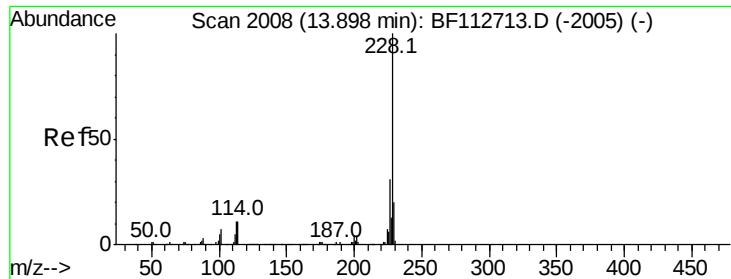
#81
 Benzo(a)anthracene
 Concen: 4.900 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Tgt Ion:228 Resp: 135636
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.2 33.4
 229 22.1 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: 4.708 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

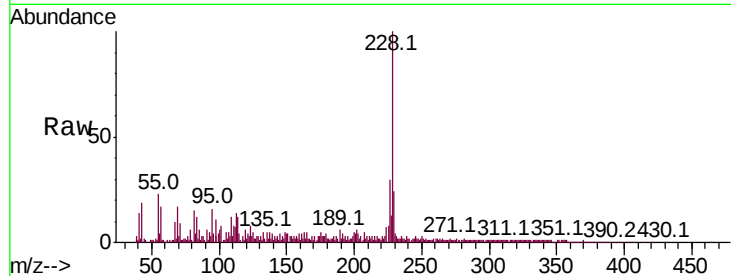
Tot Ion:228 Resp: 127640

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

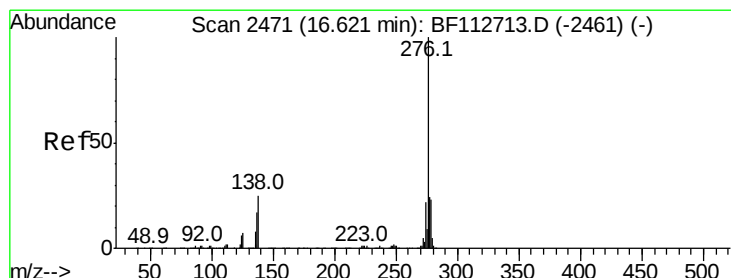
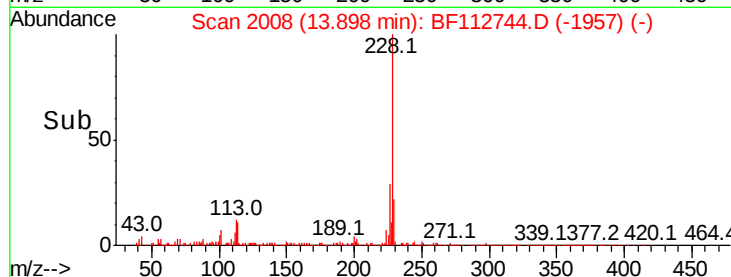
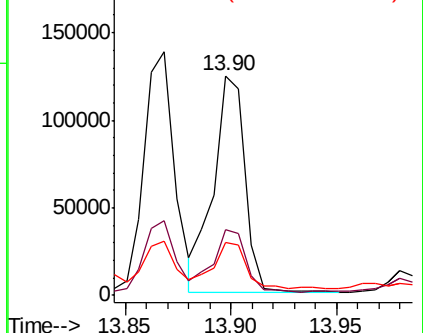
229 24.2 16.3 24.5



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.315 ng

RT: 16.65 min Scan# 2476

Delta R.T. 0.03 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

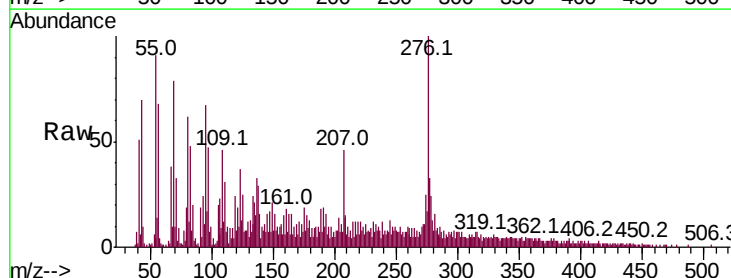
Tgt Ion:276 Resp: 53515

Ion Ratio Lower Upper

276 100

138 24.1 23.2 34.8

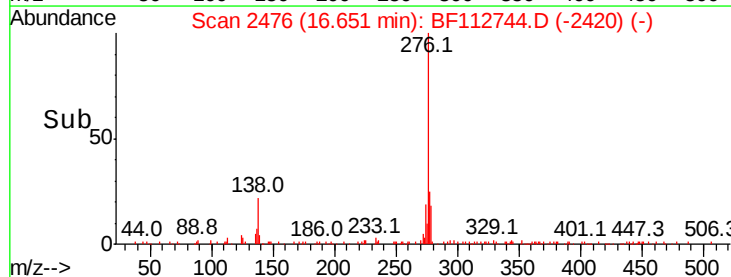
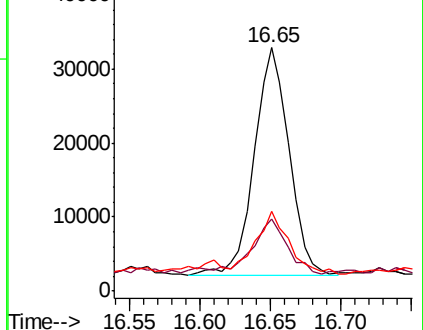
277 26.4 19.9 29.9

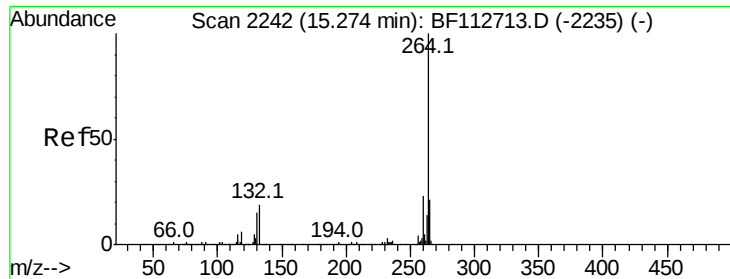


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

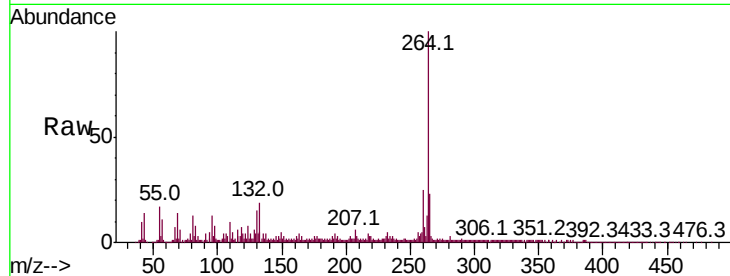
Tot Ion:264 Resp: 282025

Ion Ratio Lower Upper

264 100

260 25.4 18.7 28.1

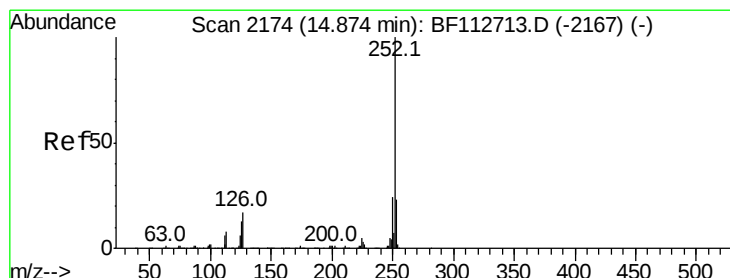
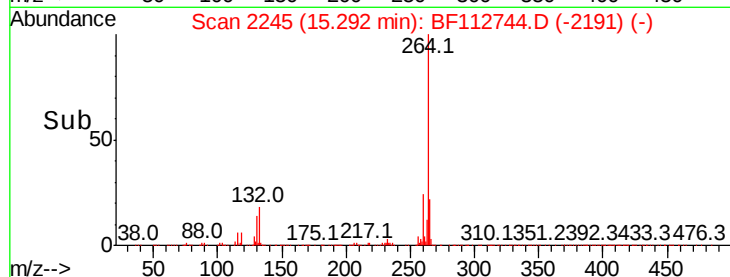
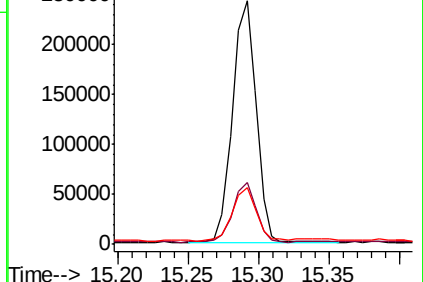
265 23.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.461 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

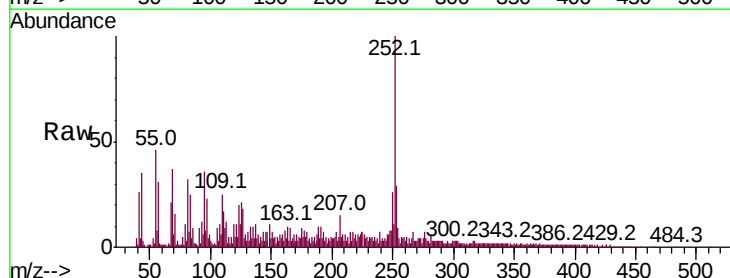
Tgt Ion:252 Resp: 154356

Ion Ratio Lower Upper

252 100

253 29.5 18.0 27.0#

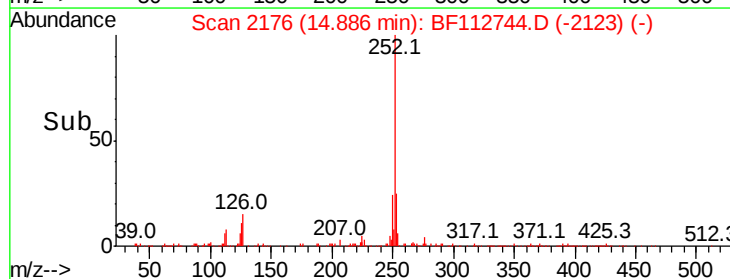
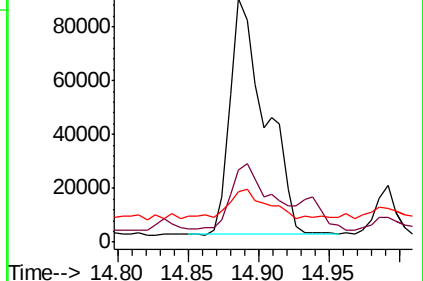
125 20.6 10.2 15.2#

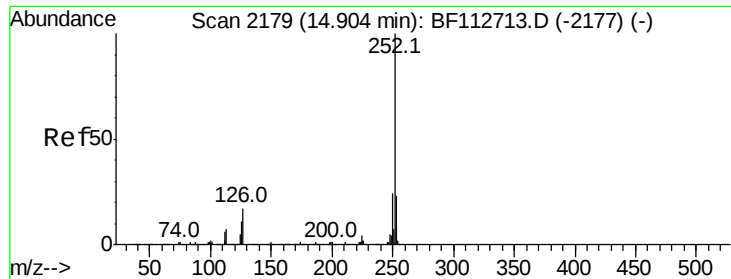


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.341 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

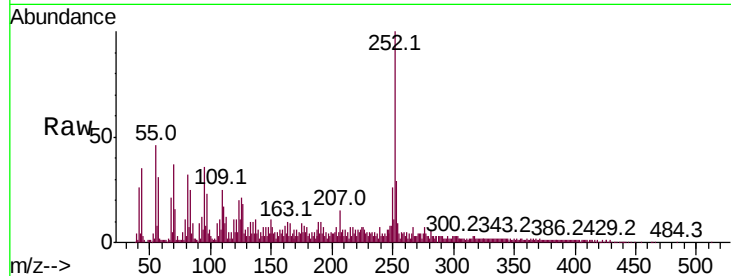
Tot Ion:252 Resp: 154356

Ion Ratio Lower Upper

252 100

253 29.5 18.2 27.2#

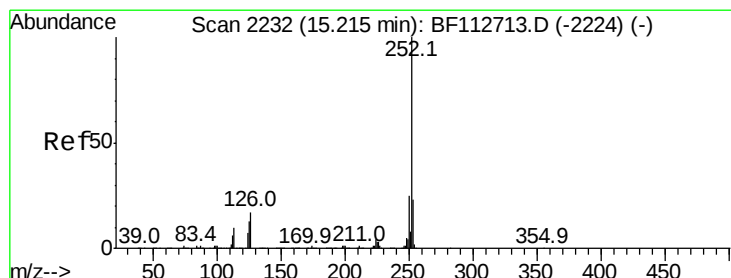
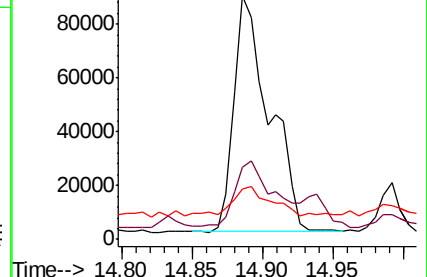
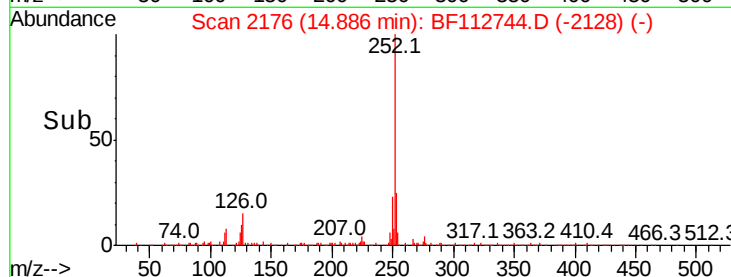
125 20.6 9.8 14.6#



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: 5.185 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

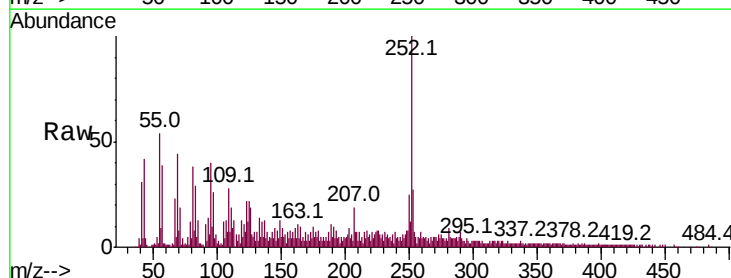
Tgt Ion:252 Resp: 83656

Ion Ratio Lower Upper

252 100

253 26.8 18.0 27.0

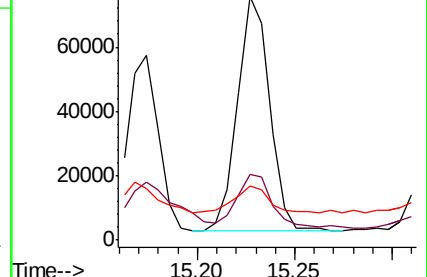
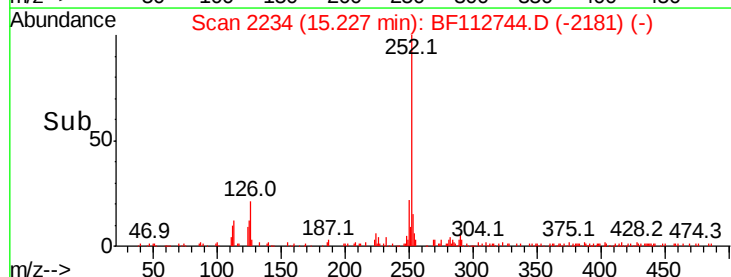
125 22.5 10.7 16.1#

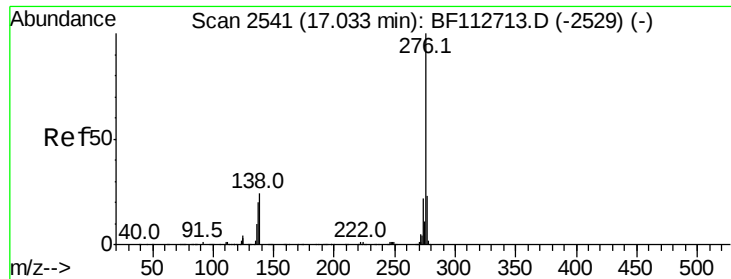


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.128 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.03 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampleId :

COMP-15

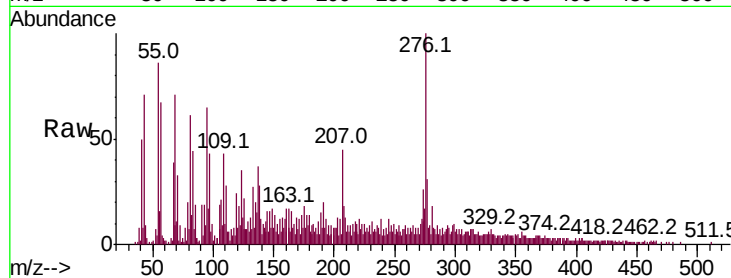
Tot Ion:276 Resp: 57076

Ion Ratio Lower Upper

276 100

277 31.0 18.6 27.8#

138 28.0 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

