

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098064.D
 Acq On : 28 Aug 2017 13:08
 Operator : SJ/JU
 Sample : I4961-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Quant Time: Aug 28 14:02:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

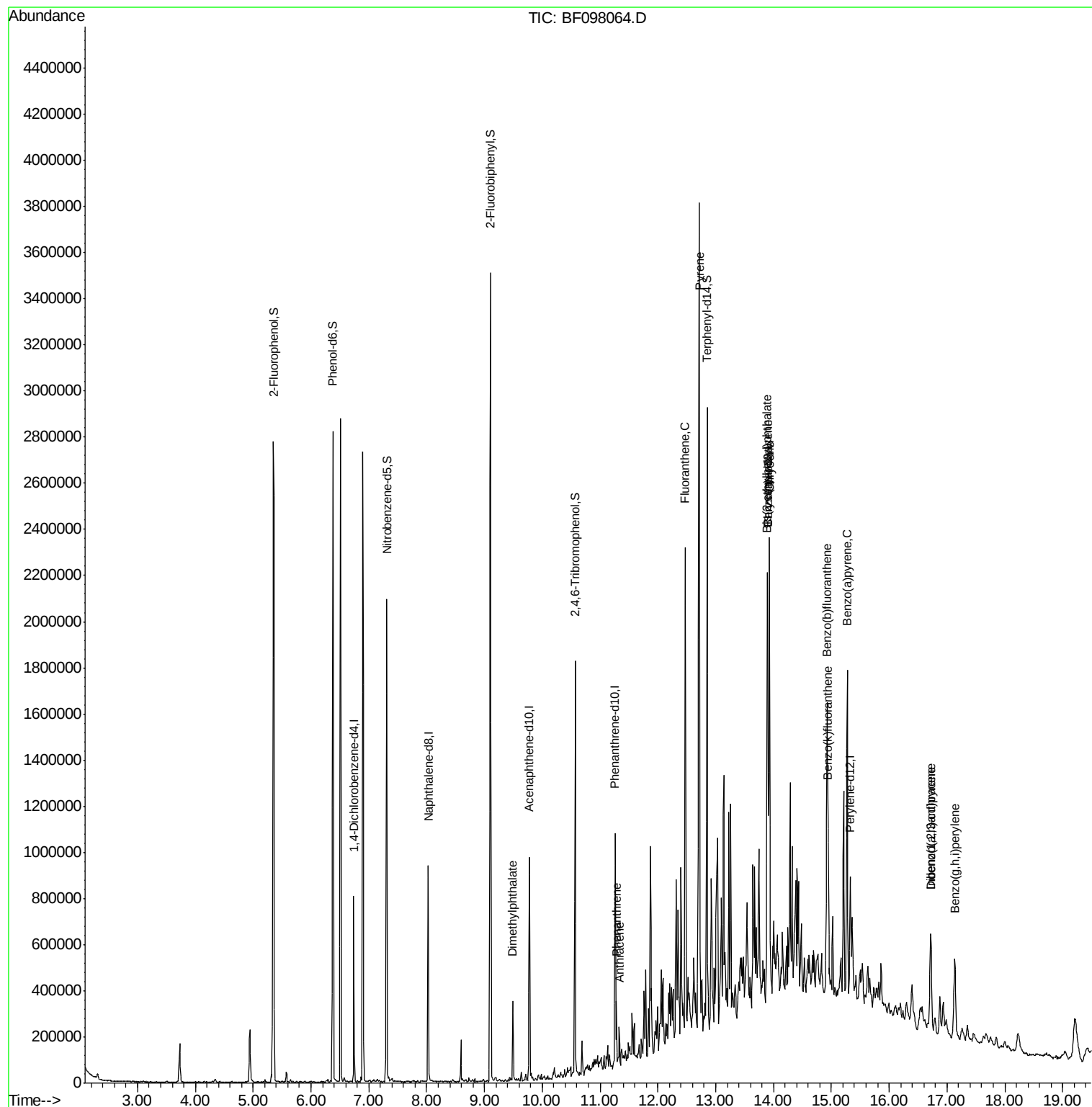
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107005	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	426683	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	187970	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	351943	20.00	ng	0.00
75) Chrysene-d12	13.90	240	230493	20.00	ng	0.00
86) Perylene-d12	15.33	264	232925	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	894799	127.20	ng	0.00
7) Phenol-d6	6.38	99	1250222	130.80	ng	0.00
23) Nitrobenzene-d5	7.31	82	779988	99.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	209135	128.23	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1106837	86.51	ng	0.00
78) Terphenyl-d14	12.85	244	815751	73.80	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	124845	9.086	ng	99
70) Phenanthrene	11.28	178	101895	5.433	ng	99
71) Anthracene	11.33	178	57928	3.045	ng	98
74) Fluoranthene	12.47	202	818340	41.806	ng	98
77) Pyrene	12.72	202	1852784	98.282	ng	99
80) Benzo(a)anthracene	13.89	228	813743	58.905	ng	97
82) Chrysene	13.93	228	776456	56.502	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	29475	3.680	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.72	276	266479	26.360	ng	# 90
87) Benzo(b)fluoranthene	14.93	252	706328m	48.108	ng	
88) Benzo(k)fluoranthene	14.94	252	270959m	19.644	ng	
89) Benzo(a)pyrene	15.27	252	739451	56.891	ng	99
90) Dibenzo(a,h)anthracene	16.73	278	89580	8.466	ng	96
91) Benzo(g,h,i)perylene	17.14	276	273398	24.762	ng	93

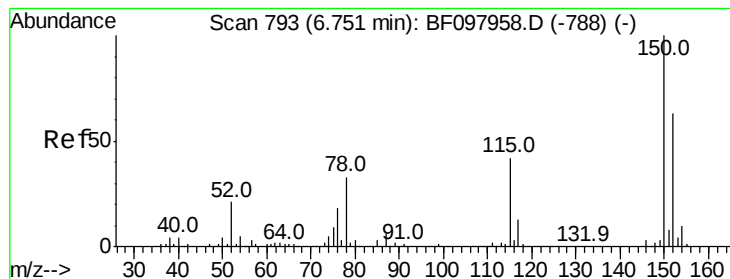
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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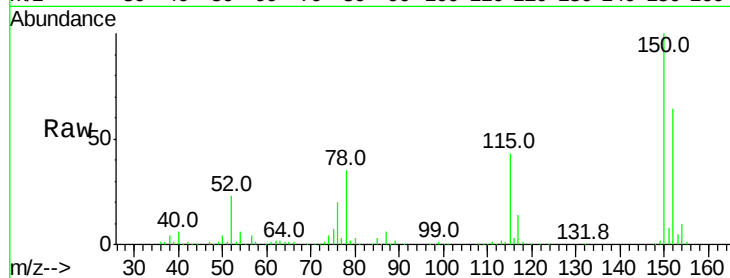


#1

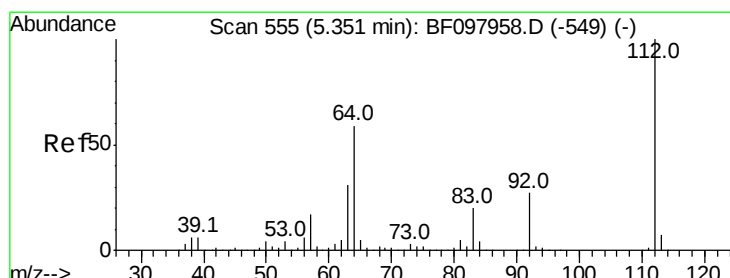
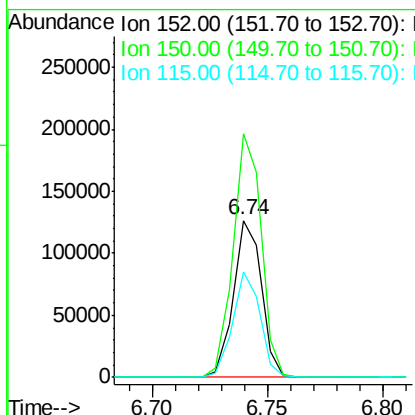
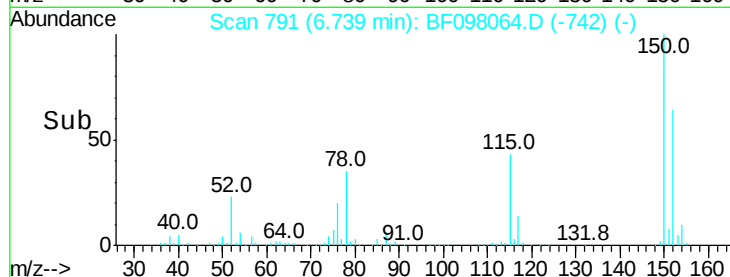
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098064.D
 Acq: 28 Aug 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Tot Ion:152 Resp: 107005
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.2 189.2
 115 67.3 52.2 78.2



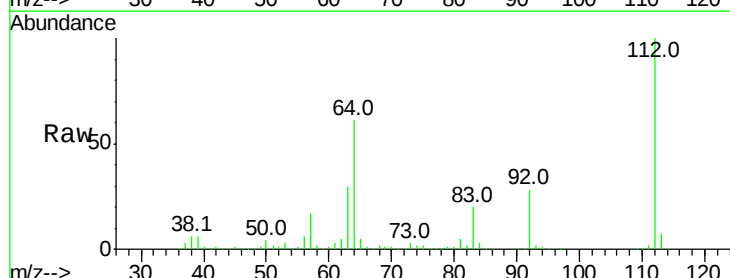
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



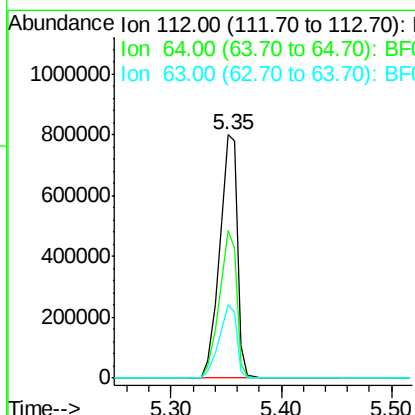
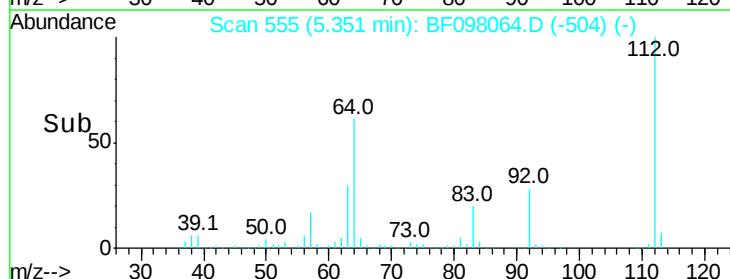
#5

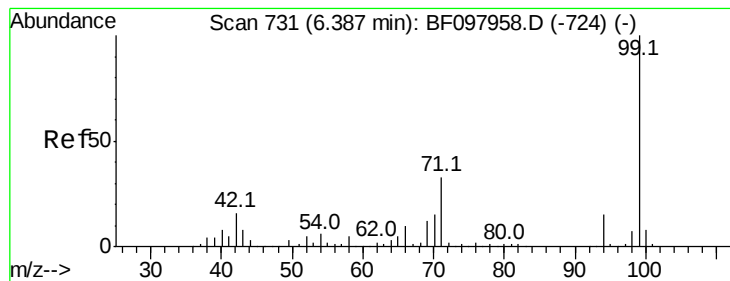
2-Fluorophenol
 Concen: 127.196 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF098064.D
 Acq: 28 Aug 2017 13:08

Tgt Ion:112 Resp: 894799
 Ion Ratio Lower Upper
 112 100
 64 60.5 46.0 69.0
 63 30.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.799 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

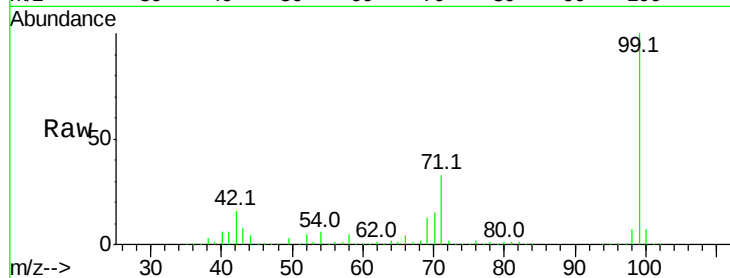
Tot Ion: 99 Resp: 1250222

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

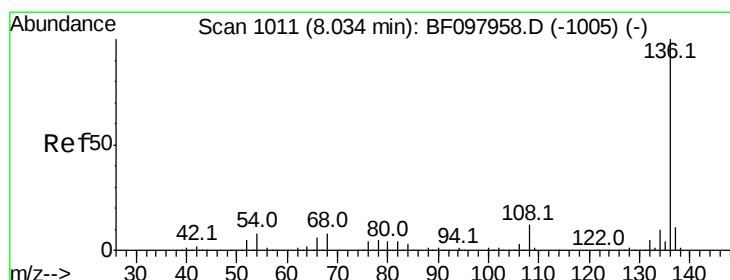
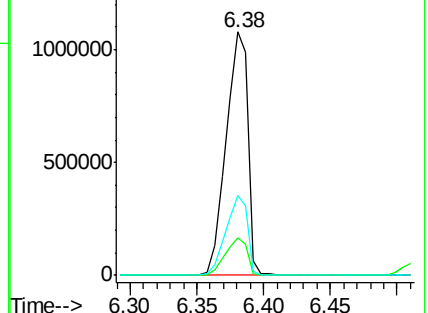
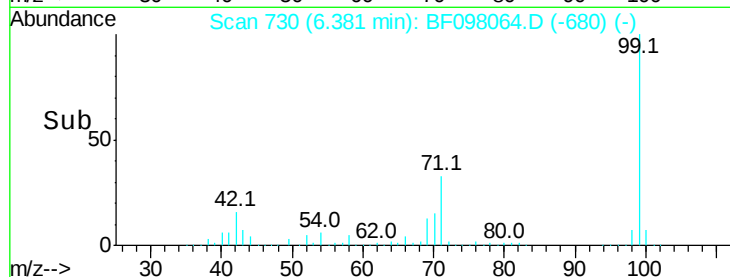
71 32.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Tgt Ion: 136 Resp: 426683

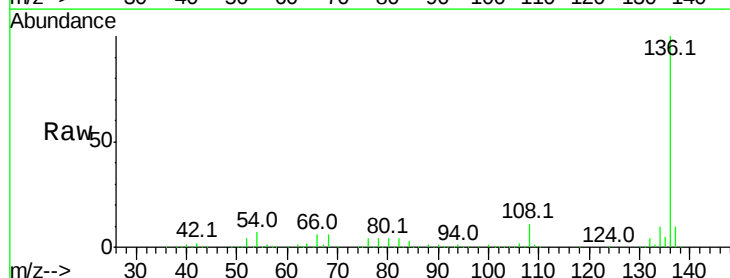
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.8 4.9 7.3

68 6.4 4.1 6.1#

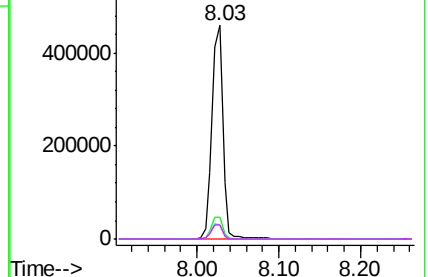
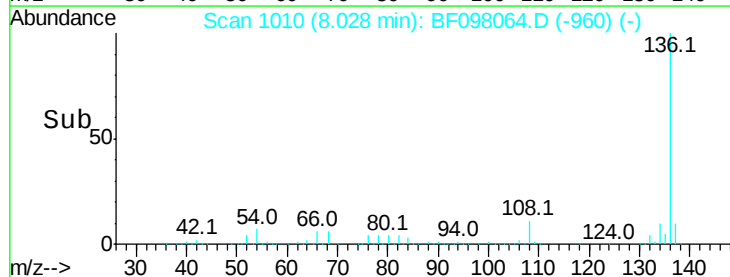


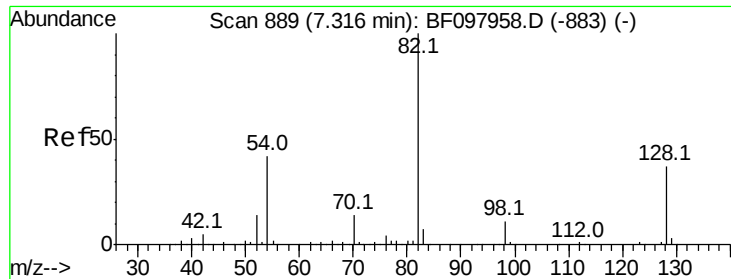
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

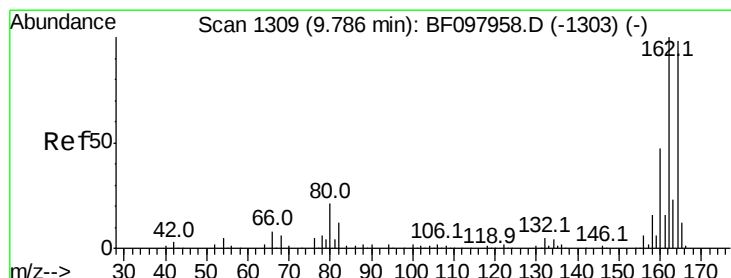
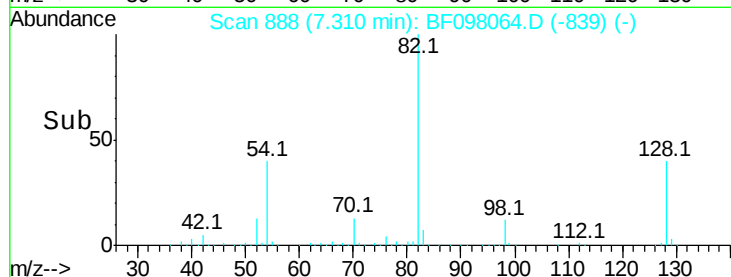
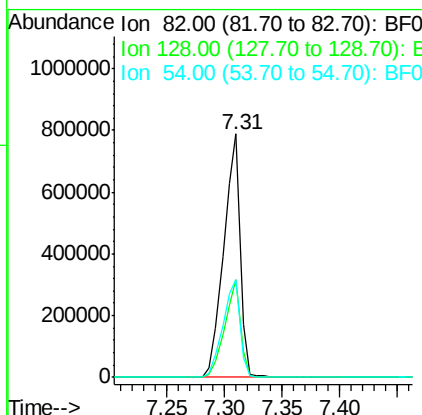
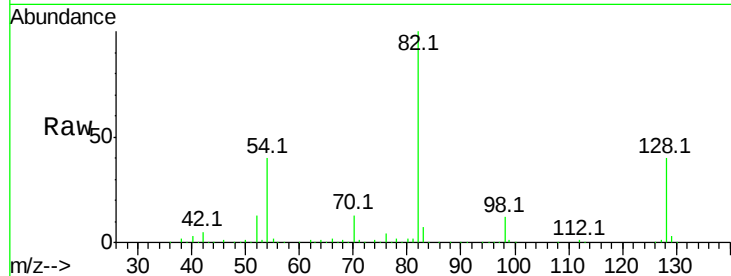




#23
 Nitrobenzene-d5
 Concen: 99.307 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF098064.D
 Acq: 28 Aug 2017 13:08

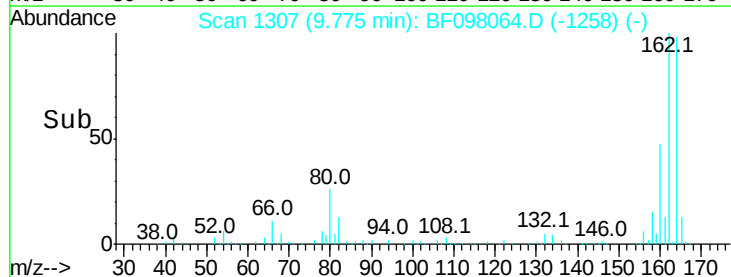
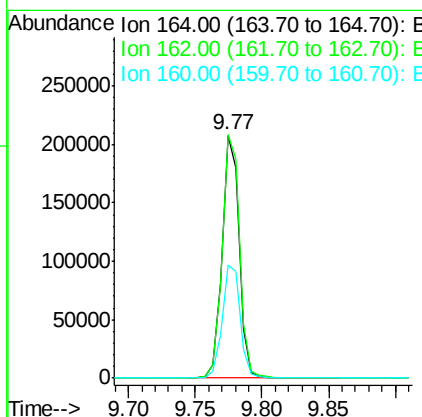
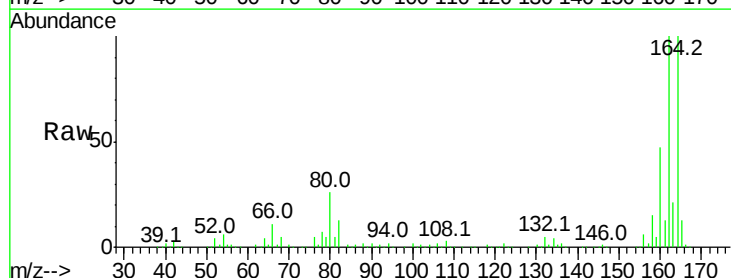
Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Tot Ion	82	Resp	779988
Ion Ratio	Lower	Upper	
82	100		
128	40.0	34.0	51.0
54	40.3	42.2	63.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098064.D
 Acq: 28 Aug 2017 13:08

Tgt Ion	164	Resp	187970
Ion Ratio	Lower	Upper	
164	100		
162	100.3	82.6	123.8
160	46.8	36.2	54.2

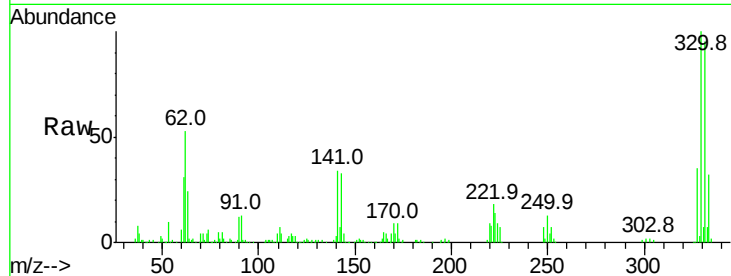




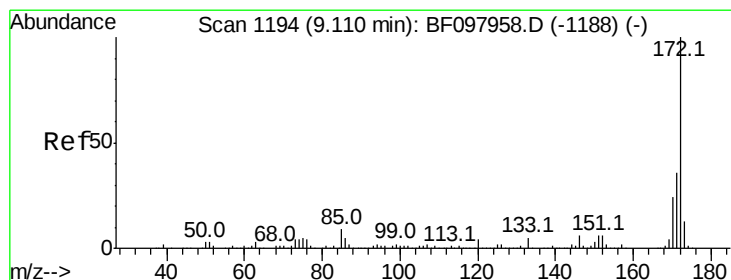
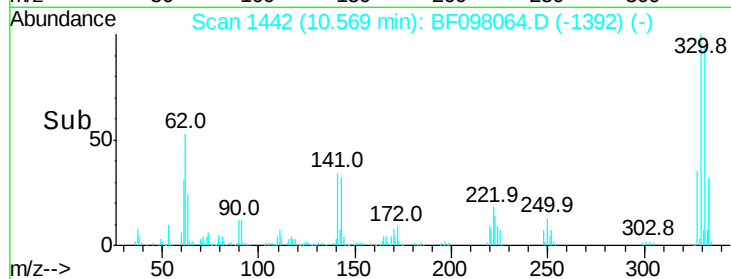
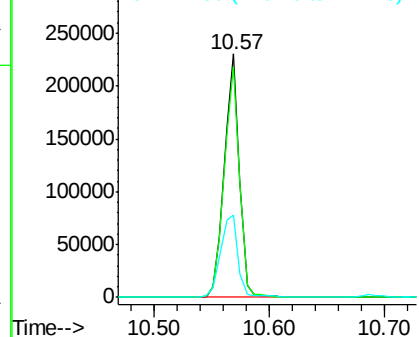
#41
 2,4,6-Tribromophenol
 Concen: 128.229 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF098064.D
 Acq: 28 Aug 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	38.8	31.4	47.2

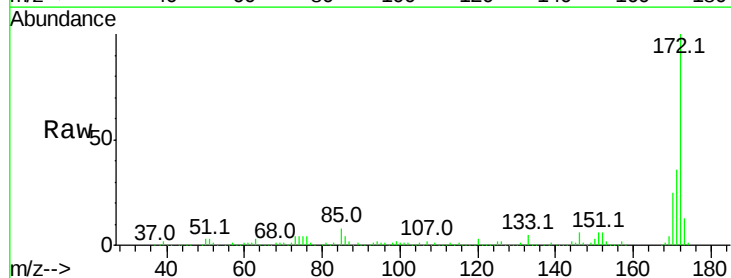


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

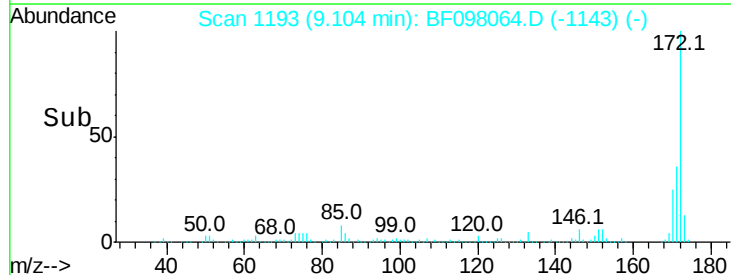
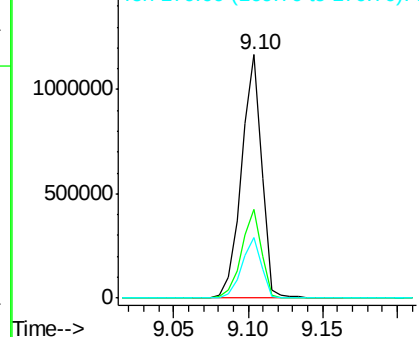


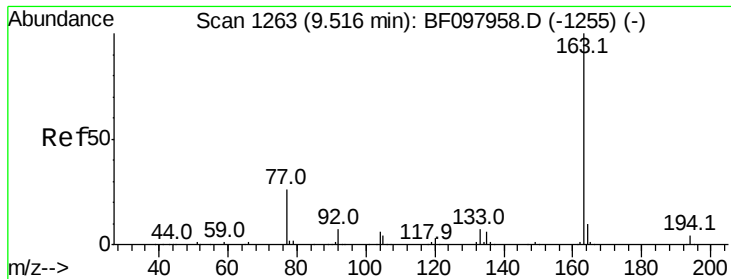
#44
 2-Fluorobiphenyl
 Concen: 86.512 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098064.D
 Acq: 28 Aug 2017 13:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.6	19.8	29.8



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

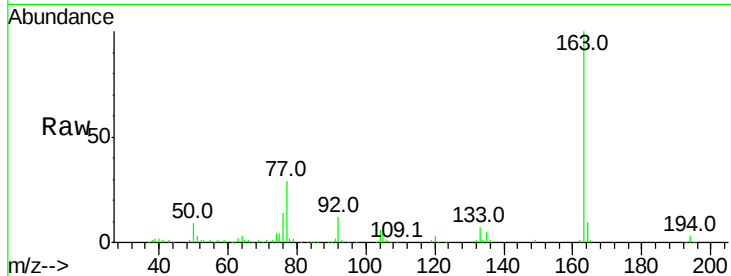




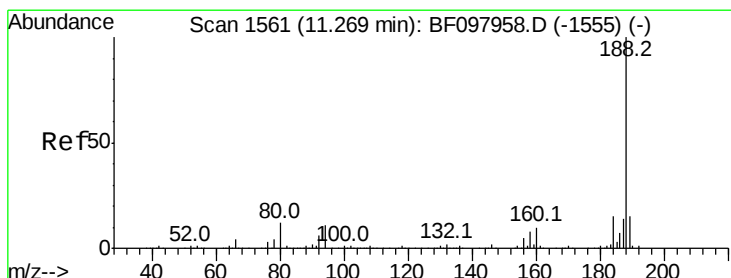
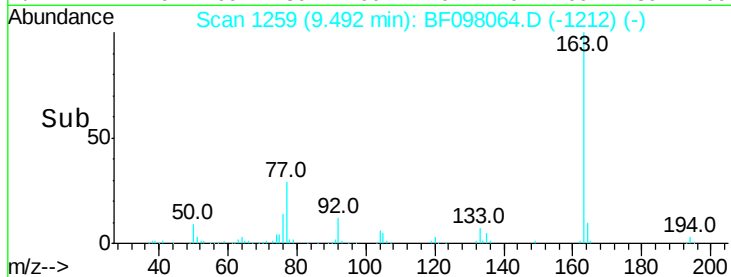
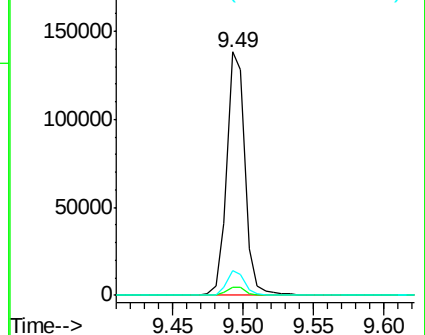
#49
Dimethylphthalate
Concen: 9.086 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098064.D
Acq: 28 Aug 2017 13:08

Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6

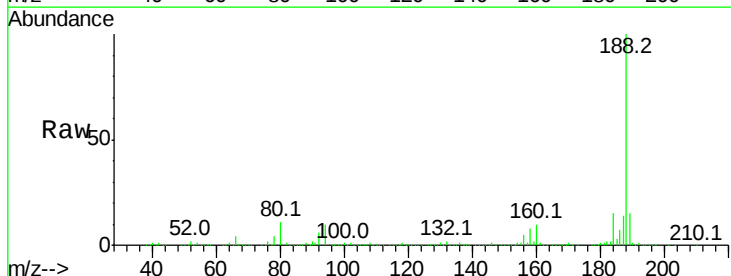


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

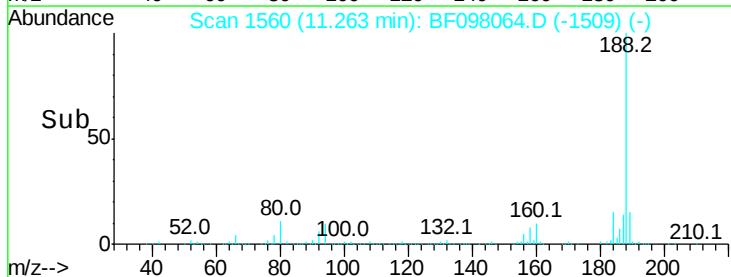
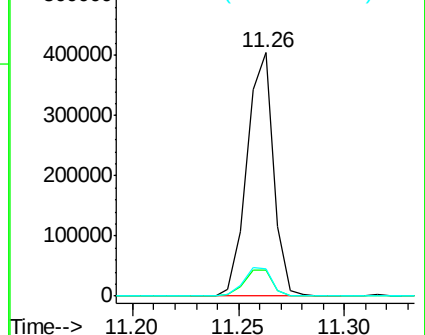


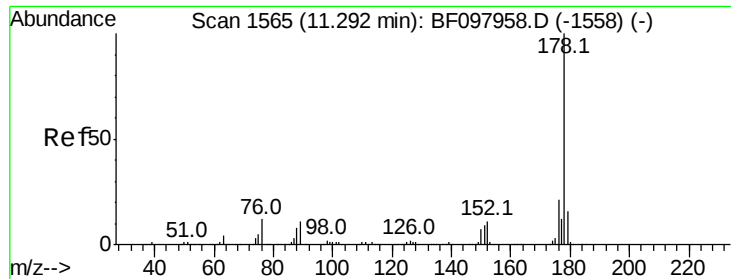
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF098064.D
Acq: 28 Aug 2017 13:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.0	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.433 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

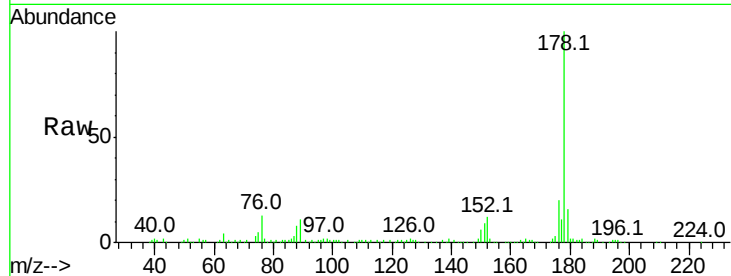
Tot Ion:178 Resp: 101895

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

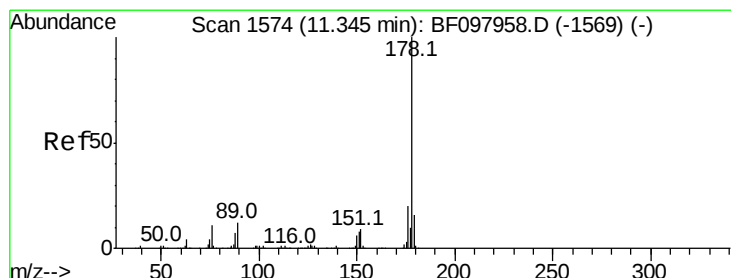
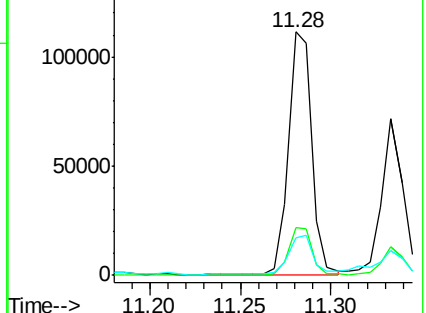
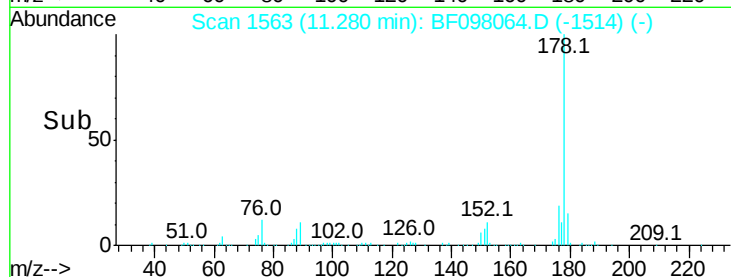
179 15.7 12.6 19.0



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



#71

Anthracene

Concen: 3.045 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

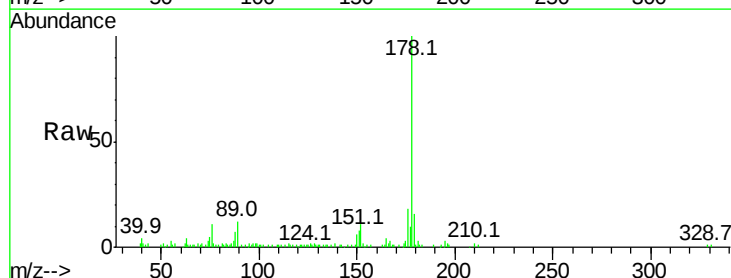
Tgt Ion:178 Resp: 57928

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

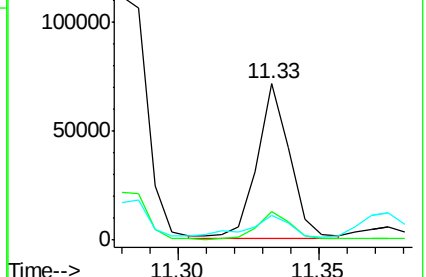
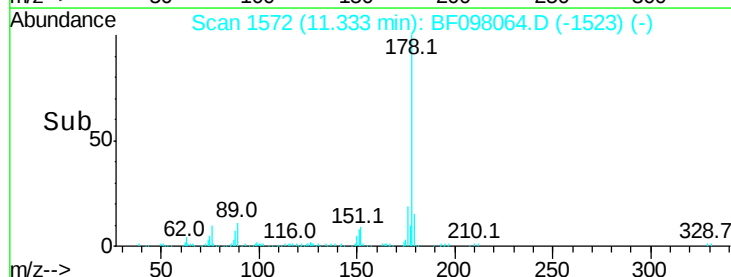
179 16.0 12.7 19.1

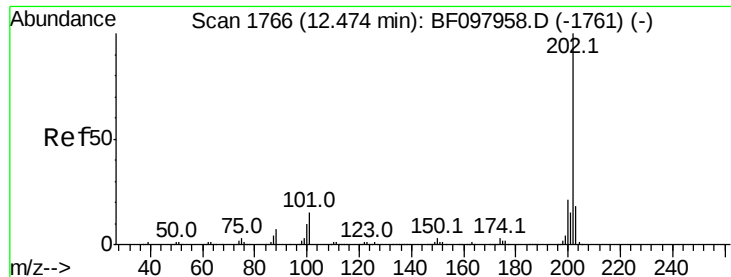


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 41.806 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

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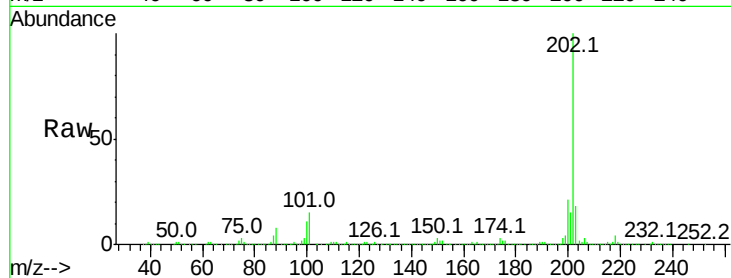
Tot Ion:202 Resp: 818340

Ion Ratio Lower Upper

202 100

101 15.3 0.0 33.2

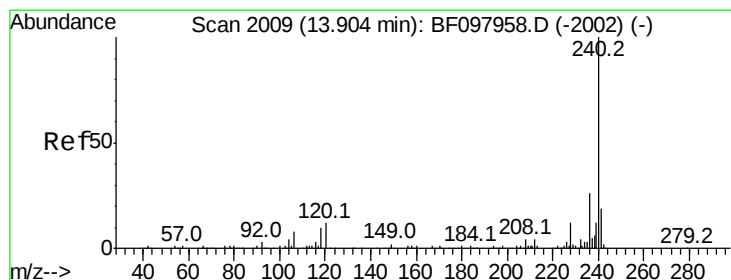
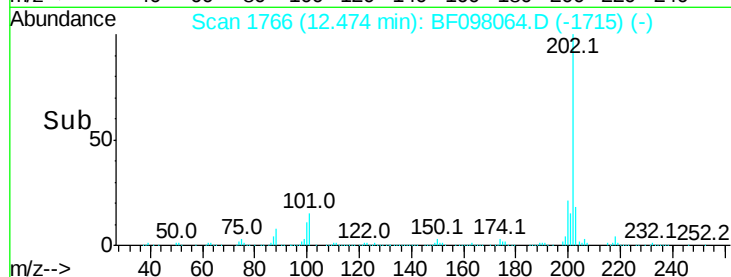
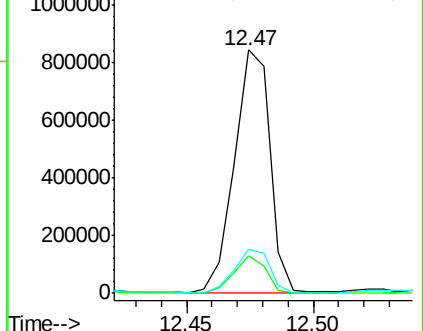
203 18.3 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

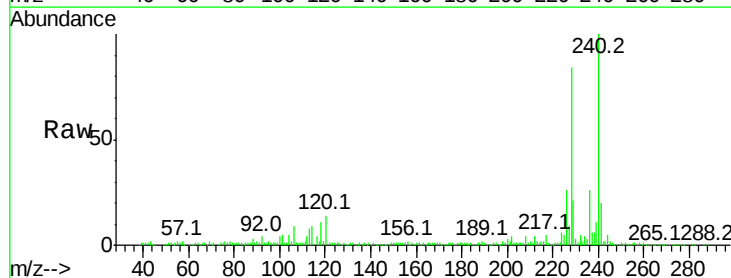
Tgt Ion:240 Resp: 230493

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

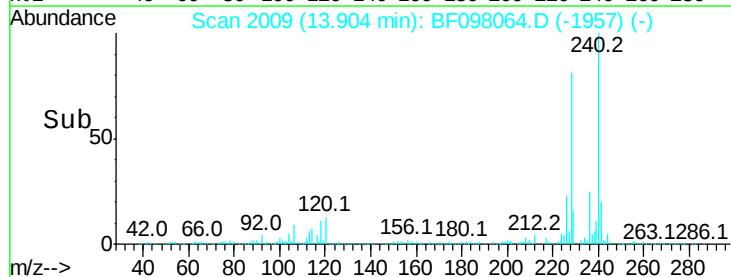
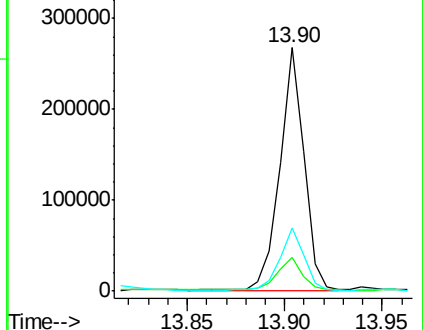
236 26.2 20.5 30.7

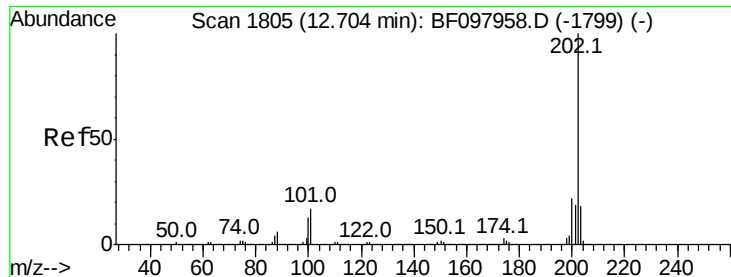


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 98.282 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

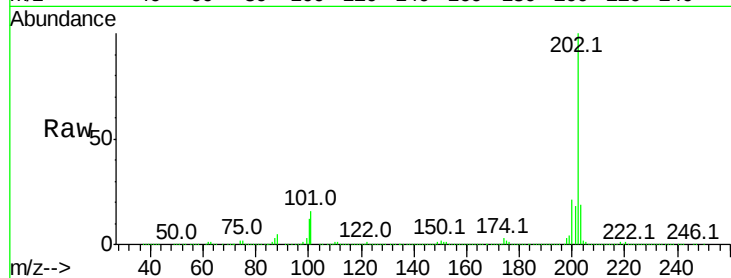
BNA_F

ClientSampleId :

SB-11-COMP

Tot Ion:202 Resp: 1852784

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.5	14.4	21.6

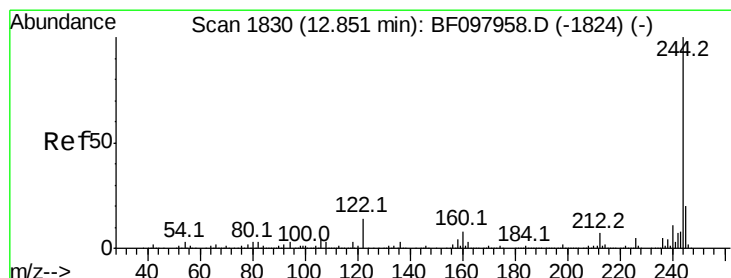
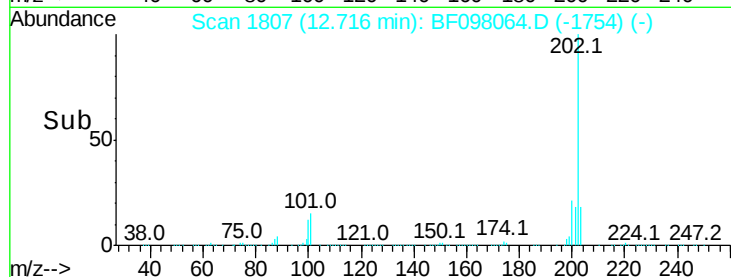
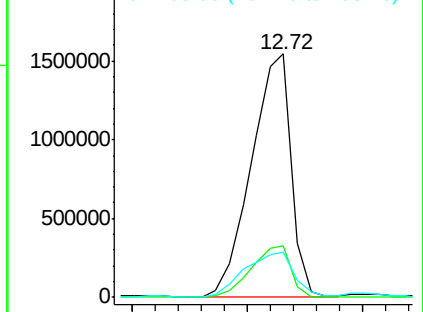


Abundance

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



#78

Terphenyl-d14

Concen: 73.803 ng

RT: 12.85 min Scan# 1830

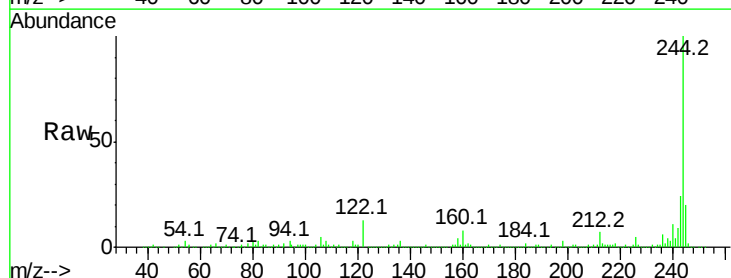
Delta R.T. 0.00 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Tgt Ion:244 Resp: 815751

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.3	10.3	15.5

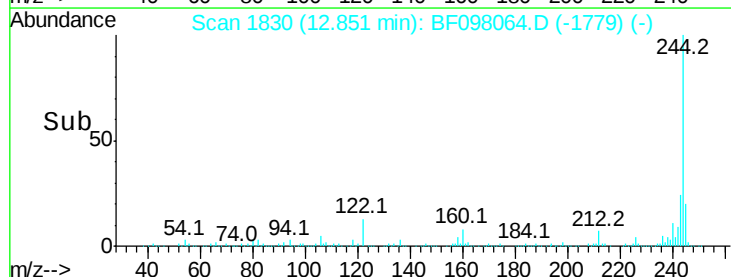
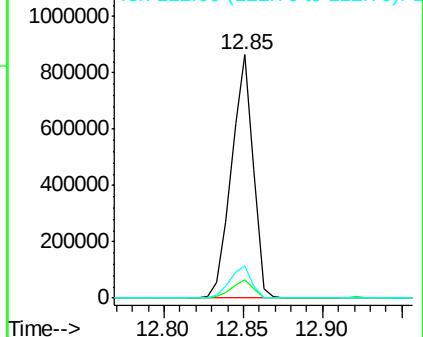


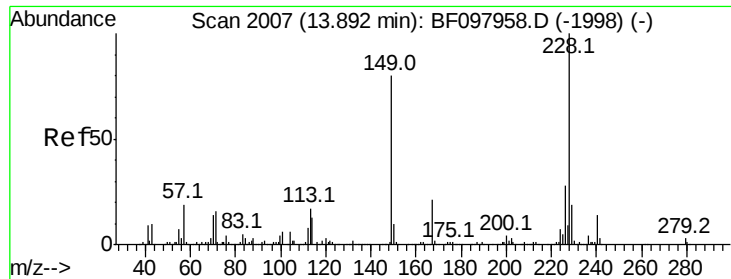
Abundance

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

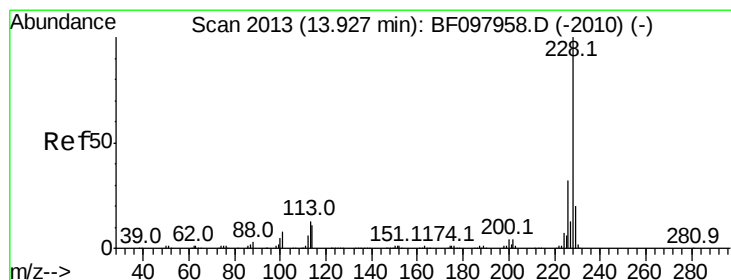
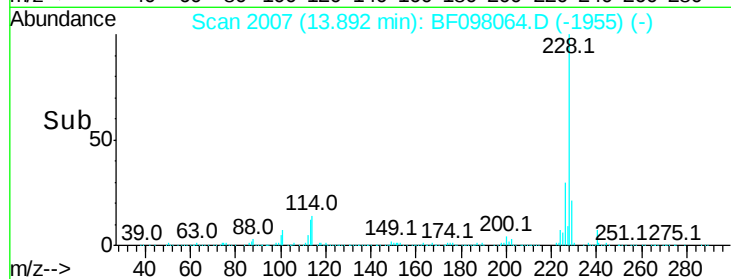
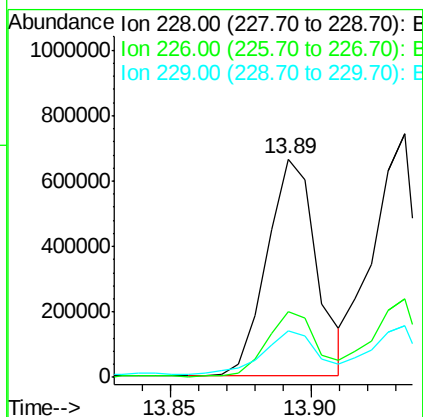
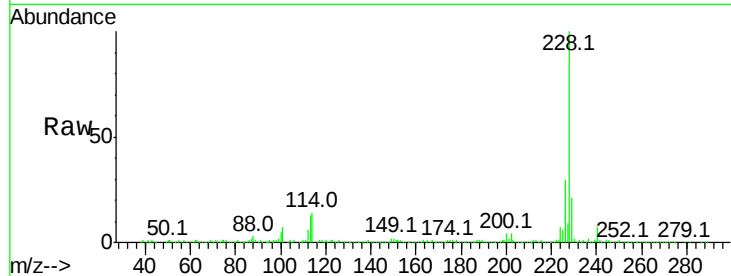




#80
Benzo(a)anthracene
Concen: 58.905 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF098064.D
Acq: 28 Aug 2017 13:08

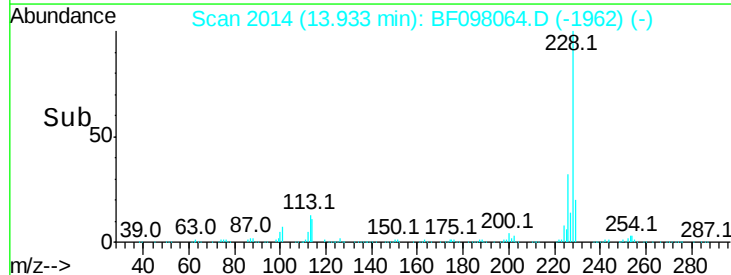
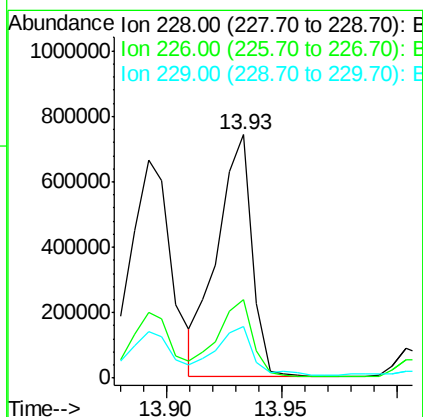
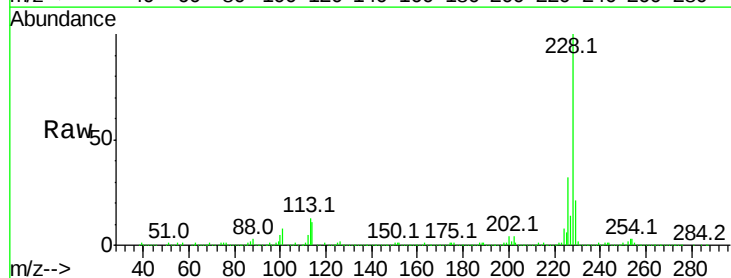
Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

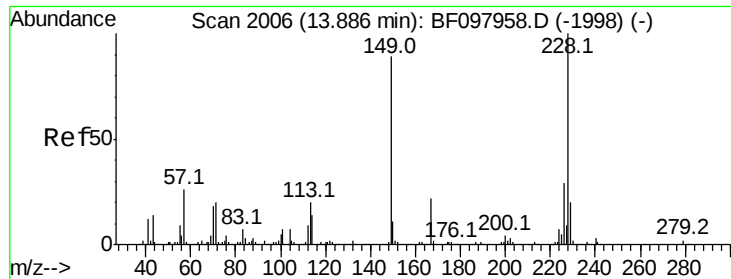
Tot Ion:228 Resp: 813743
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 21.5 16.3 24.5



#82
Chrysene
Concen: 56.502 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF098064.D
Acq: 28 Aug 2017 13:08

Tgt Ion:228 Resp: 776456
Ion Ratio Lower Upper
228 100
226 32.3 24.9 37.3
229 21.0 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.680 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

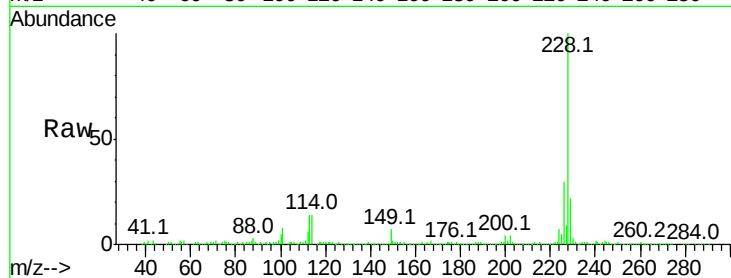
Tot Ion:149 Resp: 29475

Ion Ratio Lower Upper

149 100

167 30.1 21.0 31.4

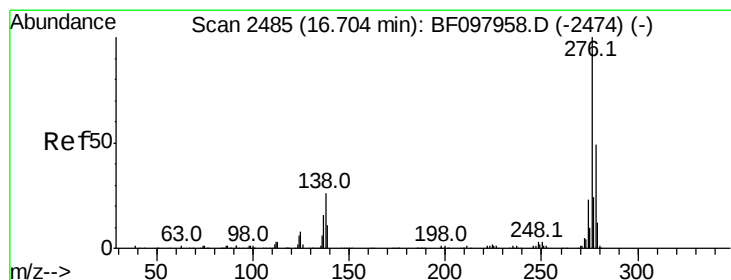
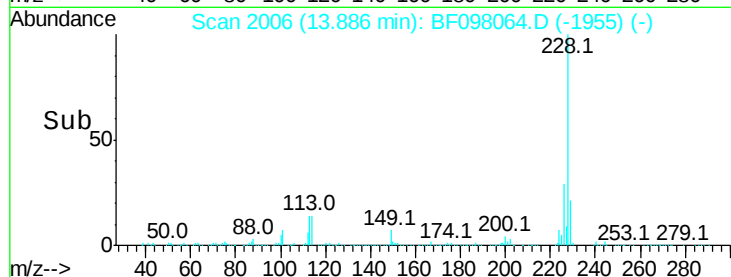
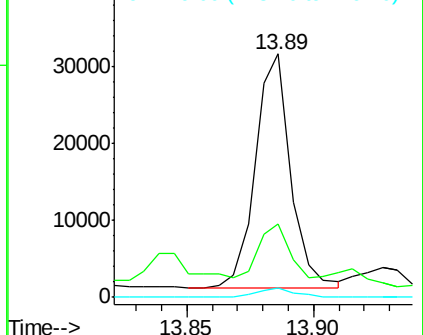
279 4.1 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 26.360 ng

RT: 16.72 min Scan# 2487

Delta R.T. 0.03 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

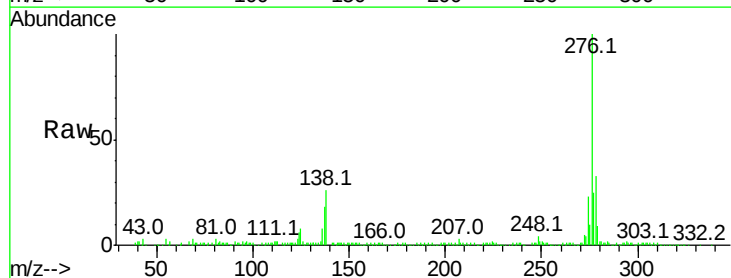
Tgt Ion:276 Resp: 266479

Ion Ratio Lower Upper

276 100

138 25.7 27.8 41.6#

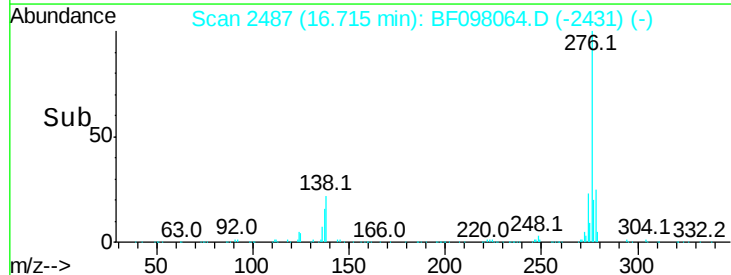
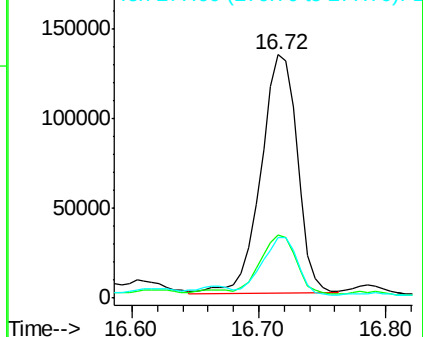
277 23.5 20.2 30.4

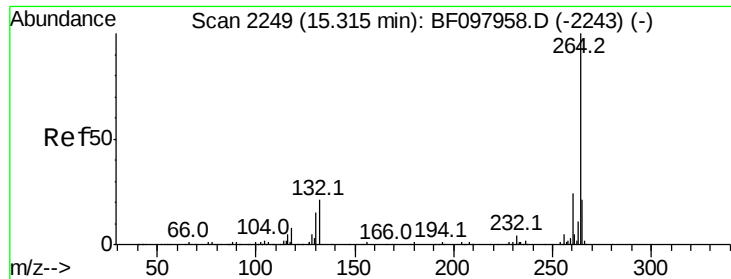


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

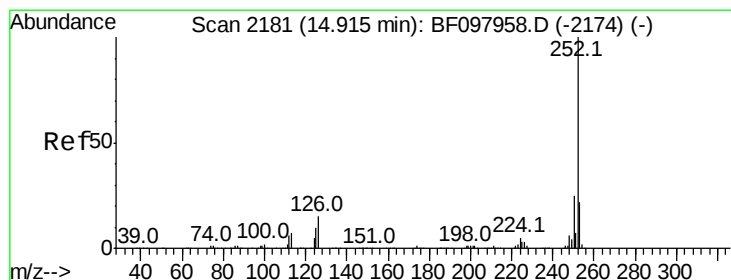
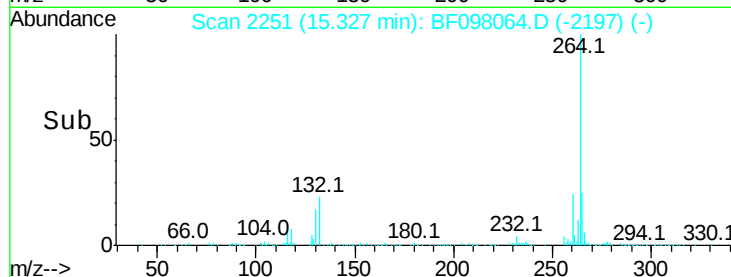
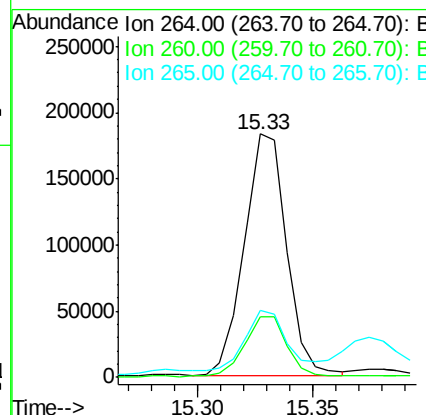
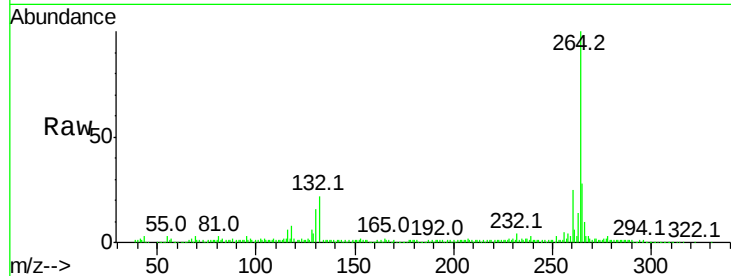




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF098064.D
Acq: 28 Aug 2017 13:08

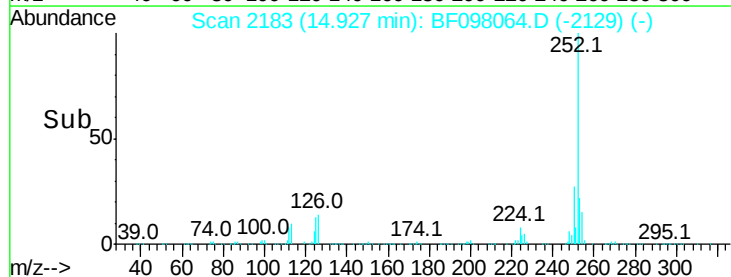
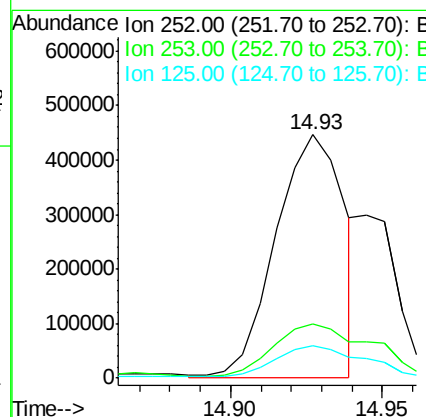
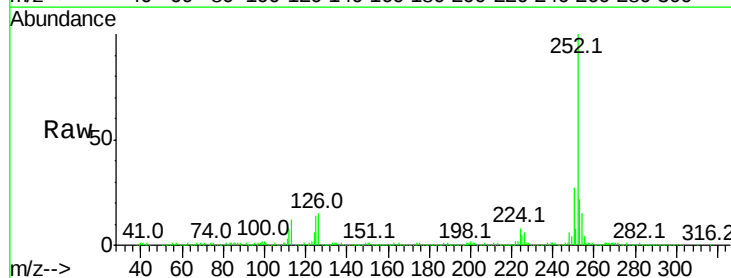
Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

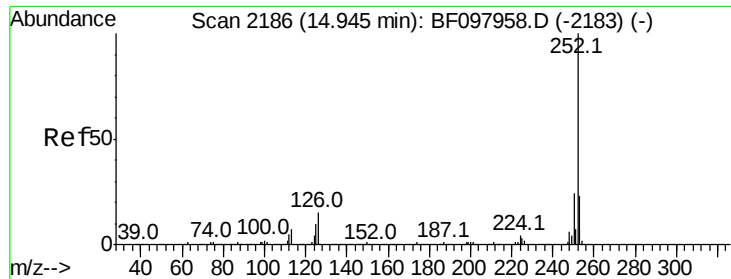
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	27.8	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 48.108 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.02 min
Lab File: BF098064.D
Acq: 28 Aug 2017 13:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.5	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 19.644 ng

RT: 14.94 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

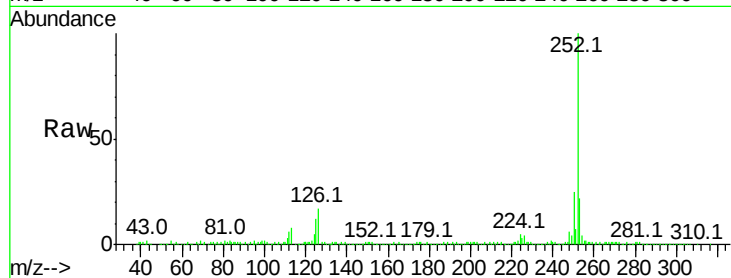
Tot Ion:252 Resp: 270959

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

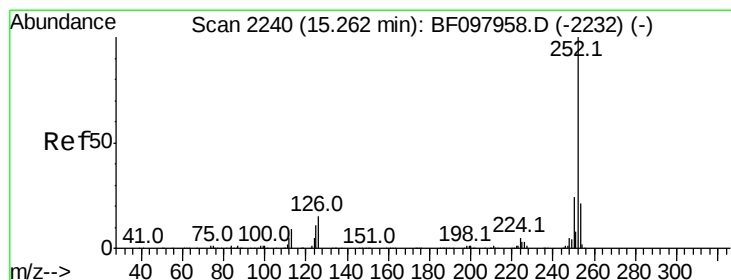
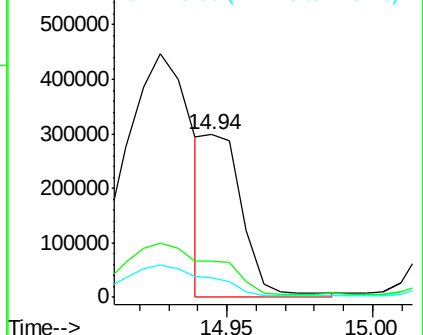
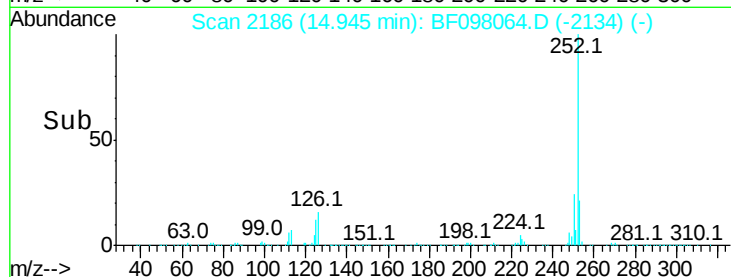
125 12.2 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 56.891 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.02 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

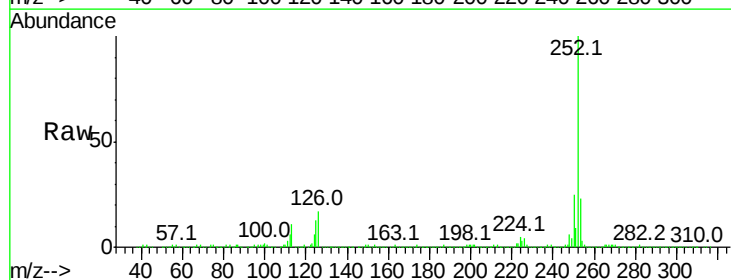
Tgt Ion:252 Resp: 739451

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

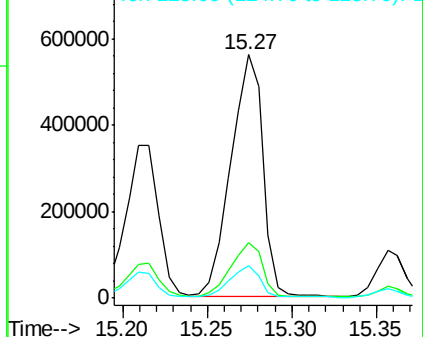
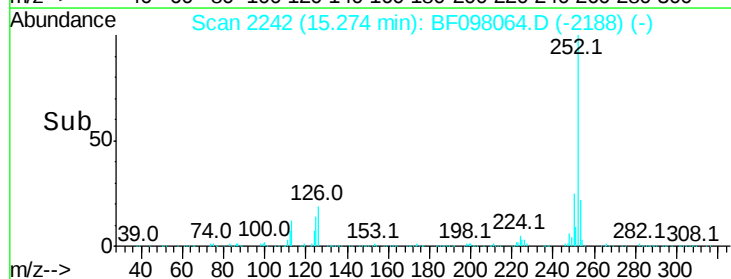
125 13.2 11.0 16.4

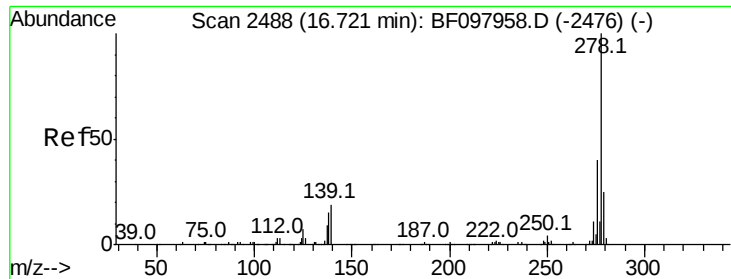


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.466 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Instrument :

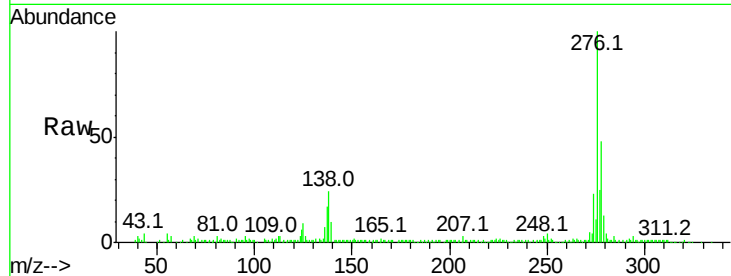
BNA_F

ClientSampleId :

SB-11-COMP

Tot Ion:278 Resp: 89580

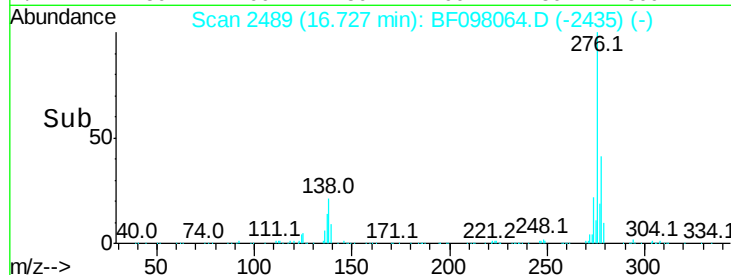
Ion	Ratio	Lower	Upper
278	100		
139	20.9	16.6	24.8
279	27.4	19.3	28.9



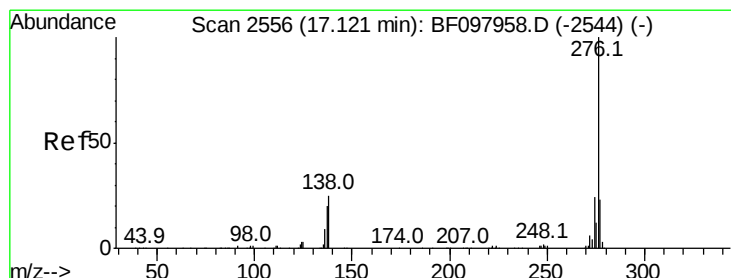
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 24.762 ng

RT: 17.14 min Scan# 2559

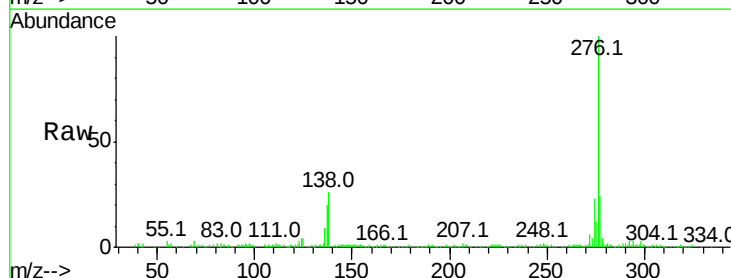
Delta R.T. 0.03 min

Lab File: BF098064.D

Acq: 28 Aug 2017 13:08

Tgt Ion:276 Resp: 273398

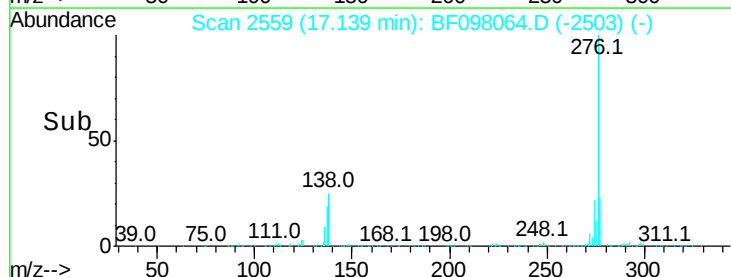
Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	25.5	25.4	38.0



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



Time-->