

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091296.D
 Acq On : 24 Nov 2016 1:05
 Operator : UM/SJ
 Sample : H5740-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Manual Integrations
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Quant Time: Nov 24 05:41:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	204911	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	856756	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	402464	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	564694	20.00	ng	0.00
75) Chrysene-d12	14.04	240	485217	20.00	ng	0.00
86) Perylene-d12	15.48	264	413750	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1597405	125.25	ng	0.02
7) Phenol-d6	6.51	99	2325199	141.90	ng	0.01
23) Nitrobenzene-d5	7.45	82	1451963	97.56	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	466319	114.90	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2040872	83.03	ng	0.00
78) Terphenyl-d14	12.99	244	1234196	58.09	ng	0.00
Target Compounds						
10) Phenol	6.52	94	80955	4.43	ng	# 23
49) Dimethylphthalate	9.63	163	118967	4.73	ng	# 97
70) Phenanthrene	11.42	178	391115	13.35	ng	99
71) Anthracene	11.47	178	107053	3.57	ng	98
74) Fluoranthene	12.61	202	711472	23.88	ng	99
77) Pyrene	12.84	202	618850	17.26	ng	99
80) Benzo(a)anthracene	14.03	228	343205	12.46	ng	97
82) Chrysene	14.07	228	300309m	11.54	ng	
85) Indeno(1,2,3-cd)pyrene	16.89	276	148818m	6.64	ng	
87) Benzo(b)fluoranthene	15.06	252	445810m	17.08	ng	
88) Benzo(k)fluoranthene	15.08	252	81924m	3.84	ng	
89) Benzo(a)pyrene	15.41	252	259941m	11.71	ng	
91) Benzo(g,h,i)perylene	17.31	276	127300	6.26	ng	97

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

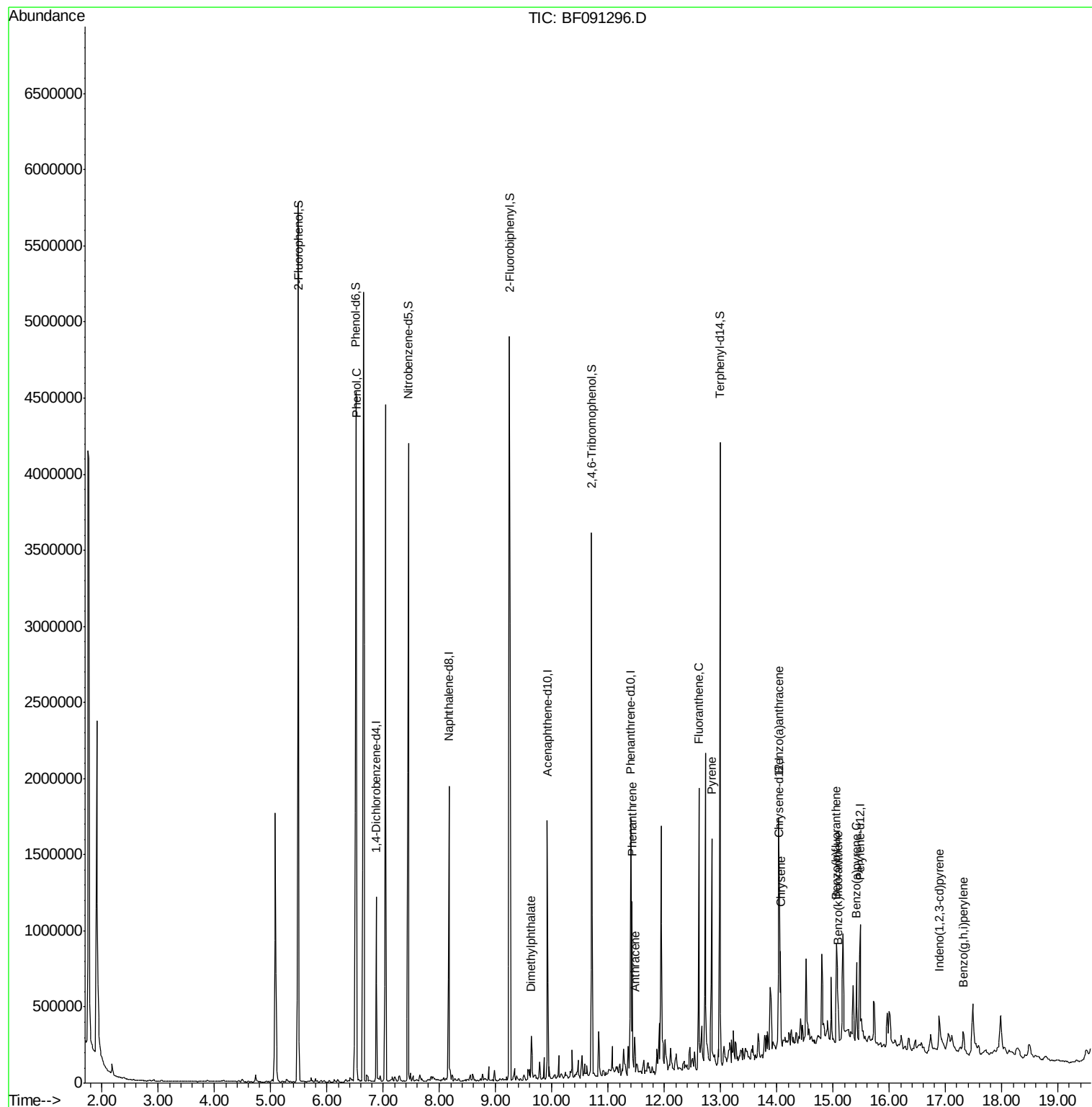
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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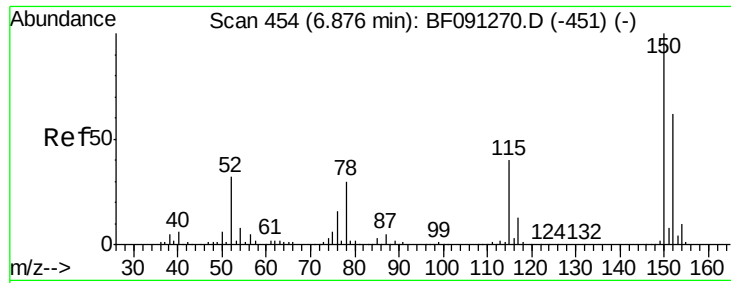
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

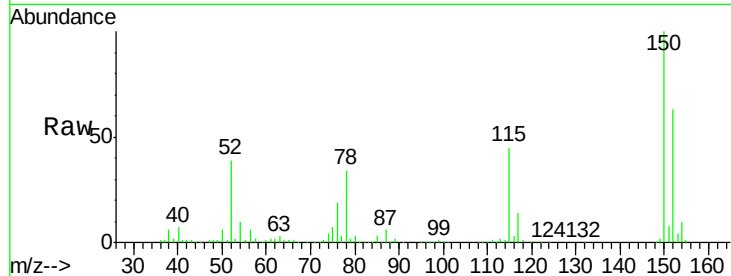
ClientSampleId :

SB-05(0-0.16)

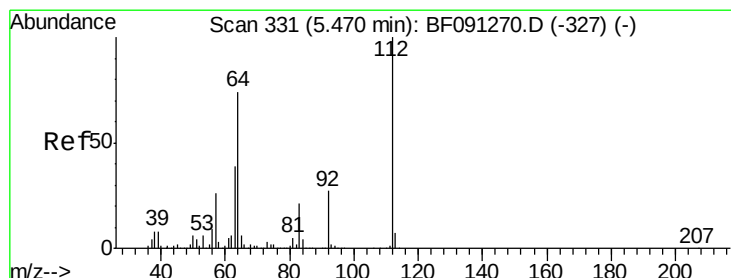
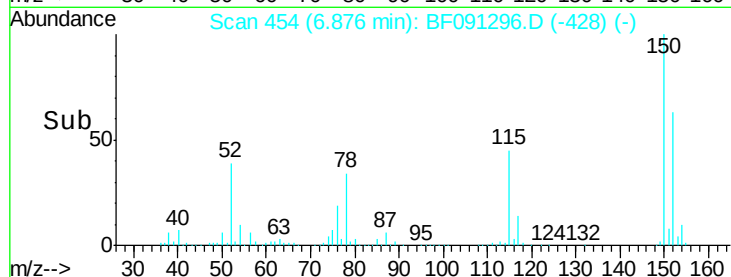
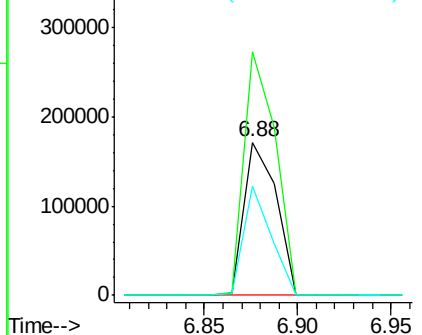
Tgt Ion:	152	Resp:	204911
Ion Ratio	Lower	Upper	
152	100		
150	159.1	122.5	183.7
115	71.7	51.8	77.8

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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: 125.25 ng

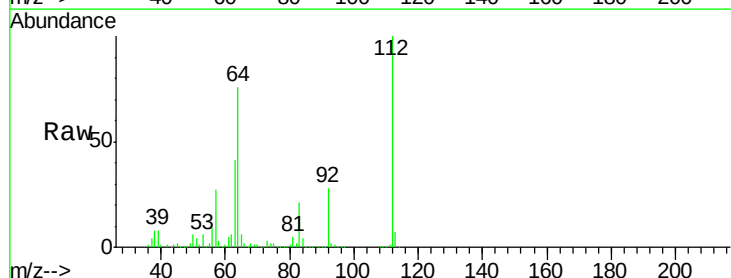
RT: 5.49 min Scan# 333

Delta R.T. 0.02 min

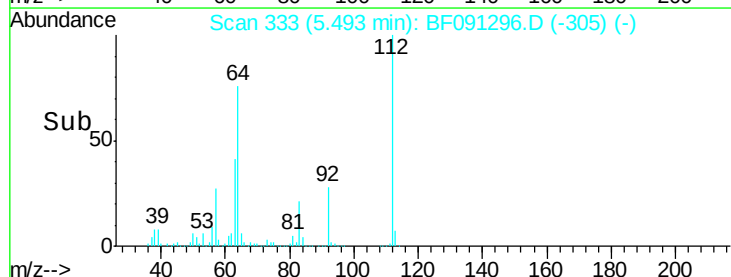
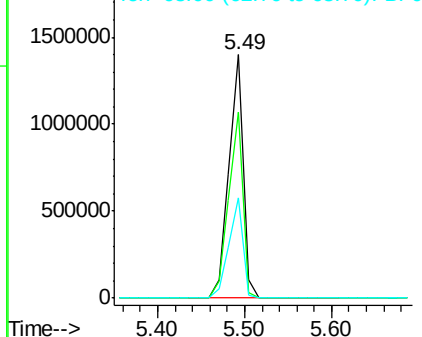
Lab File: BF091296.D

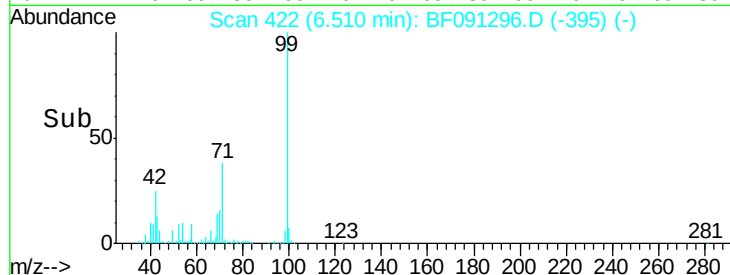
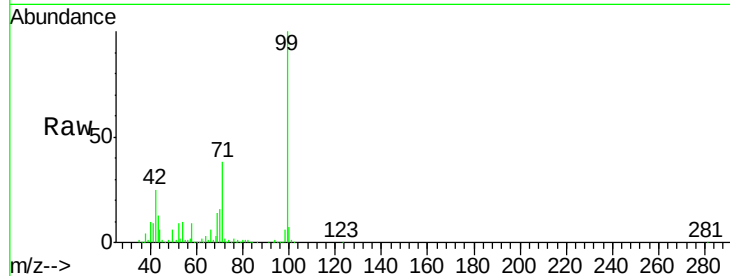
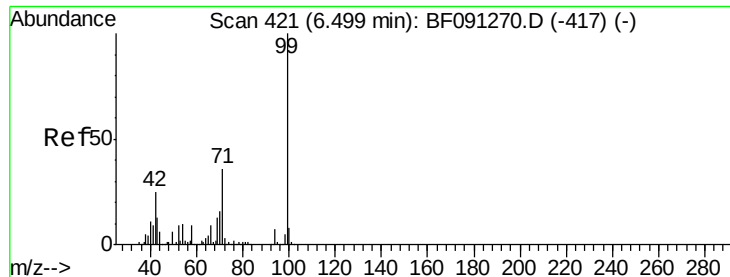
Acq: 24 Nov 2016 1:05

Tgt Ion:	112	Resp:	1597405
Ion Ratio	Lower	Upper	
112	100		
64	76.3	61.5	92.3
63	41.3	33.3	49.9



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: 141.90 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Tgt Ion: 99 Resp: 2325199

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

71 38.2 29.9 44.9

Instrument :

BNA_F

ClientSampleId :

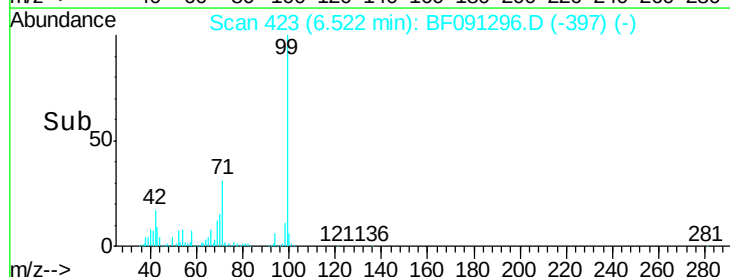
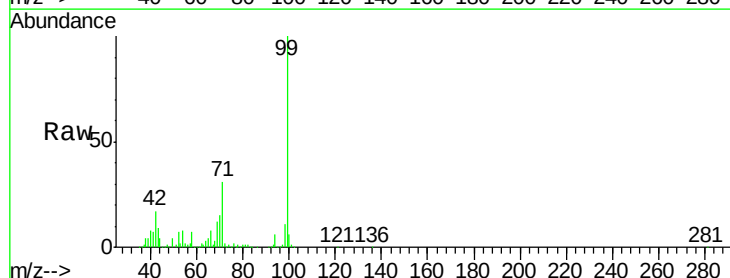
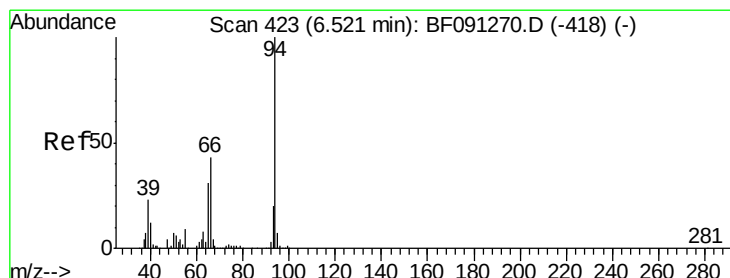
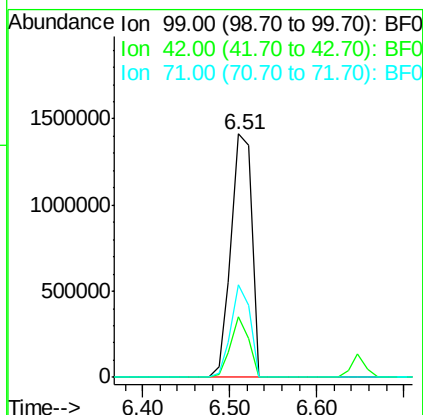
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#10

Phenol

Concen: 4.43 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

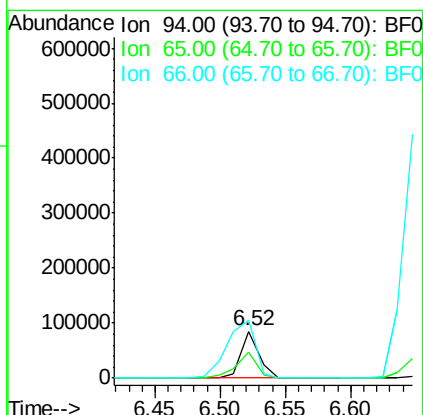
Tgt Ion: 94 Resp: 80955

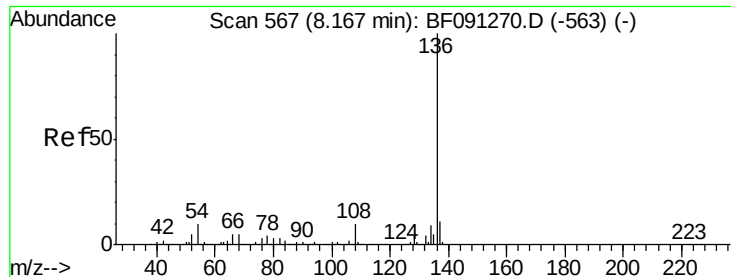
Ion Ratio Lower Upper

94 100

65 56.9 16.9 56.9

66 125.9 30.6 70.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

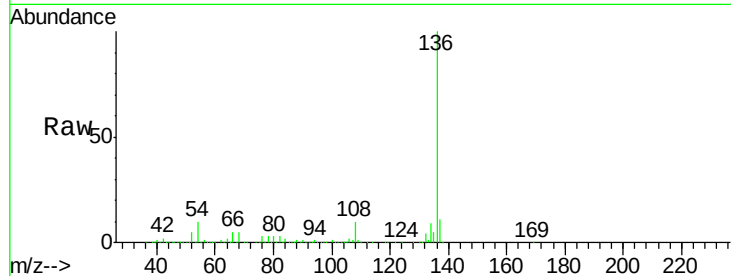
ClientSampleId :

SB-05(0-0.16)

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		856756		
137	10.9	9.1	13.7		
54	9.9	9.1	13.7		
68	5.1	5.9	8.9#		

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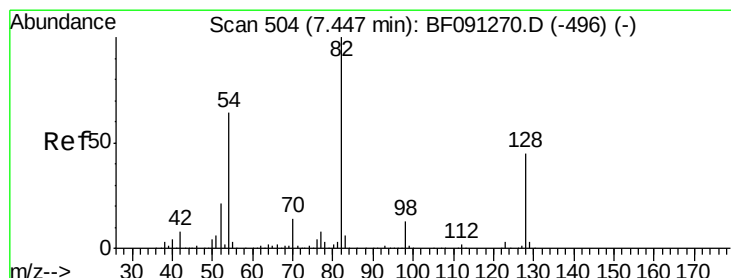
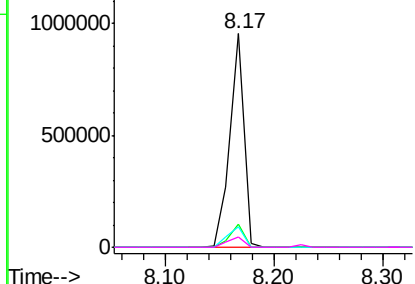
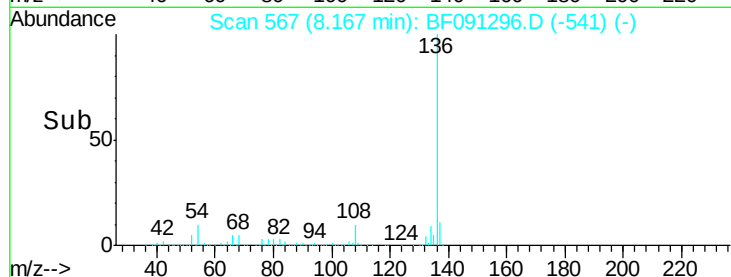


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.56 ng

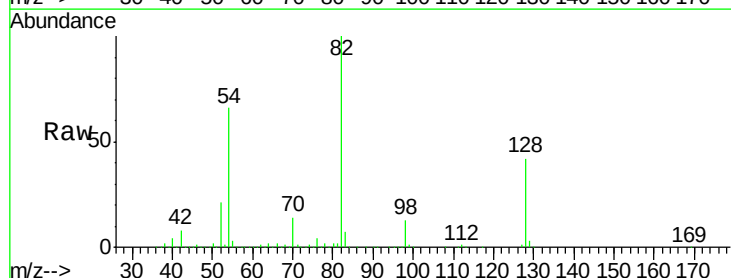
RT: 7.45 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

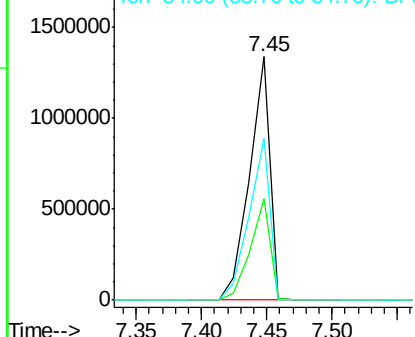
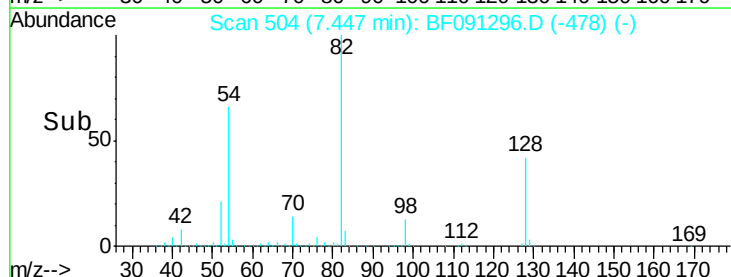
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1451963		
128	41.9	31.8	47.6		
54	66.4	49.1	73.7		

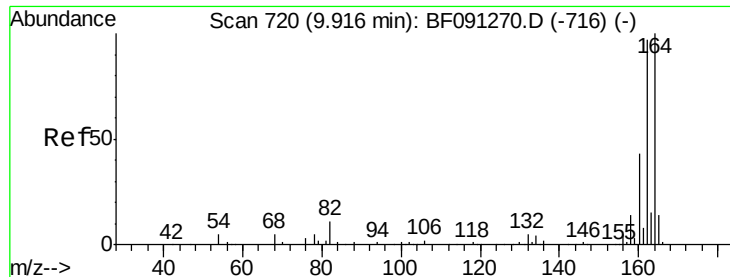


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

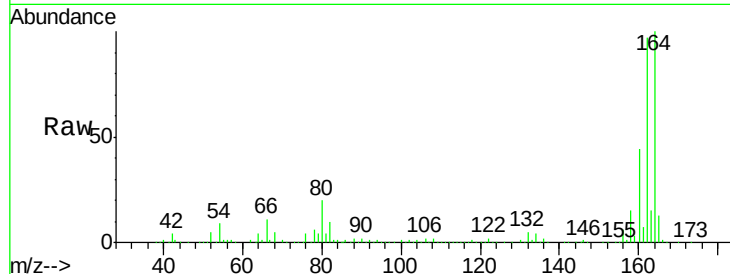
ClientSampleId :

SB-05(0-0.16)

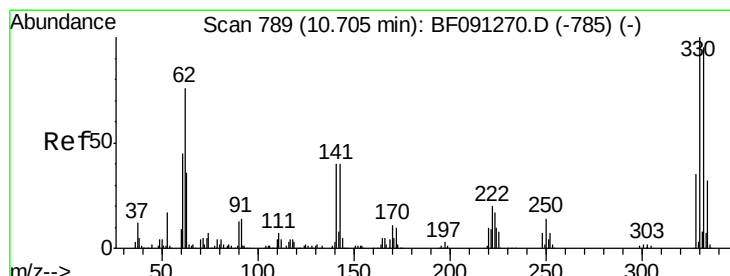
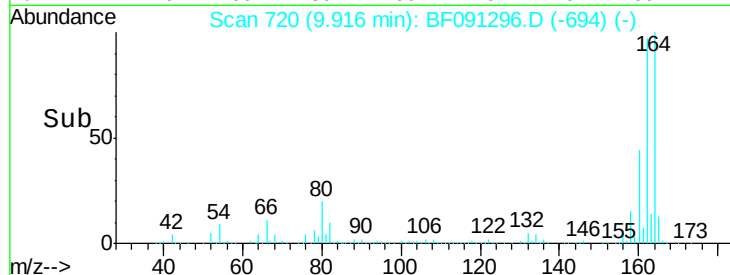
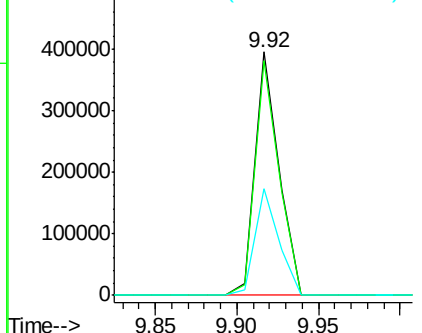
Tgt Ion:	164	Resp:	402464
Ion Ratio	Lower	Upper	
164	100		
162	96.6	82.6	124.0
160	44.0	36.7	55.1

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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



#41

2,4,6-Tribromophenol

Concen: 114.90 ng

RT: 10.70 min Scan# 789

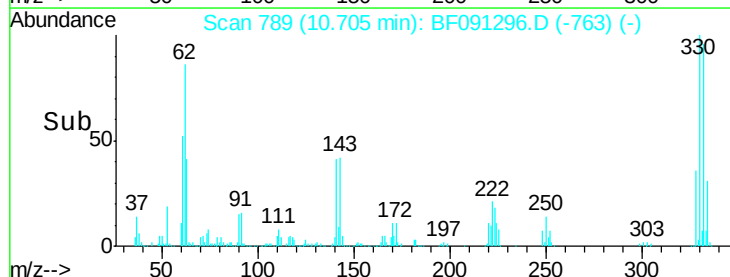
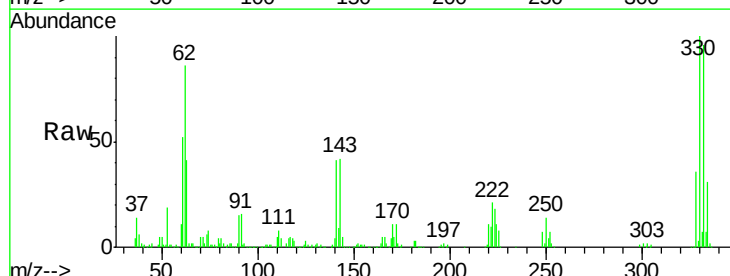
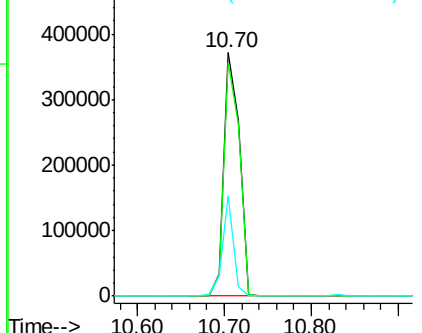
Delta R.T. 0.00 min

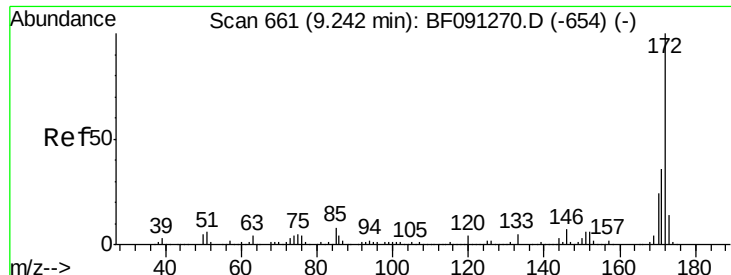
Lab File: BF091296.D

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Tgt Ion:	330	Resp:	466319
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.2	114.4
141	30.0	33.6	50.4#

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





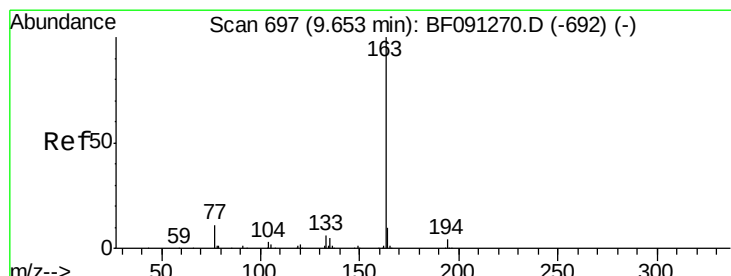
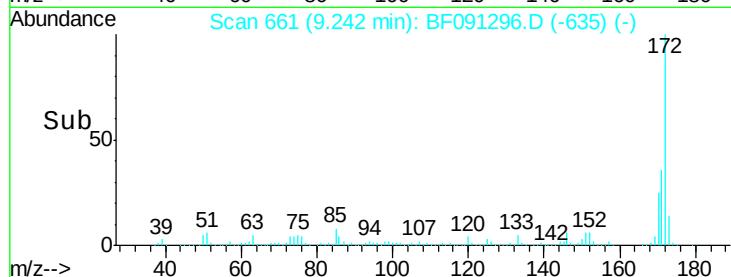
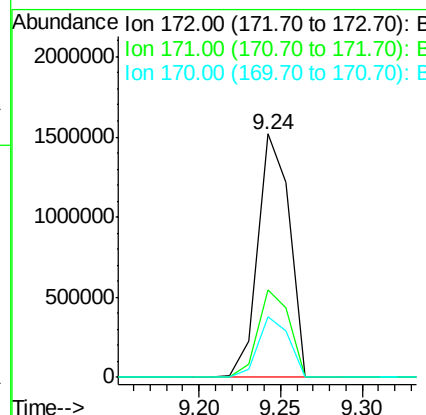
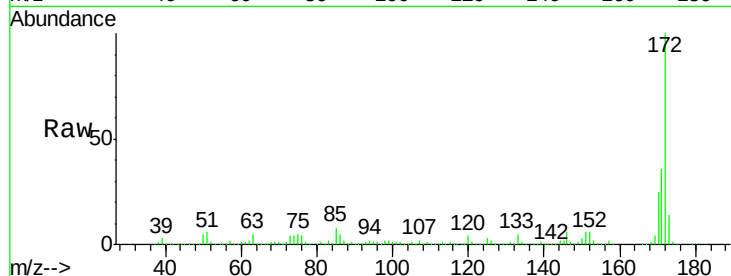
#44
 2-Fluorobiphenyl
 Concen: 83.03 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Instrument :
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 SB-05(0-0.16)

Tgt Ion:172 Resp: 2040872
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.7 19.7 29.5

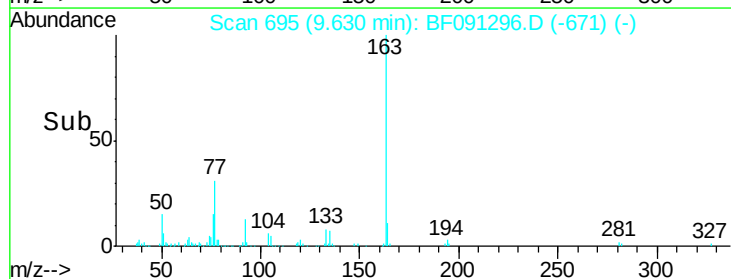
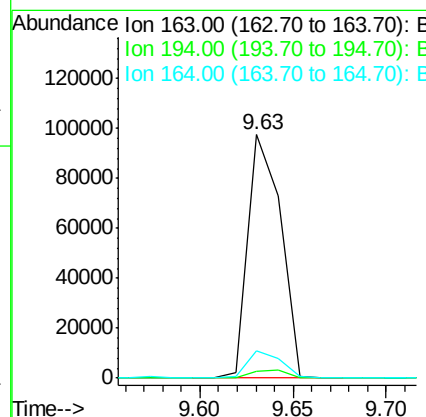
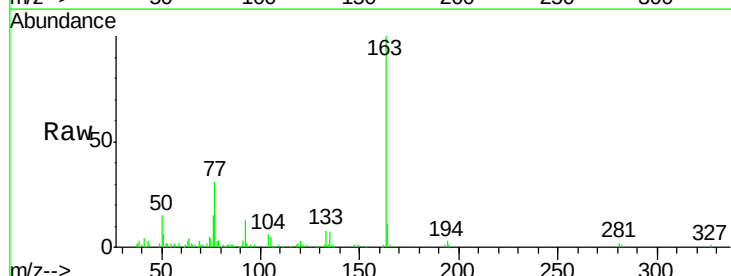
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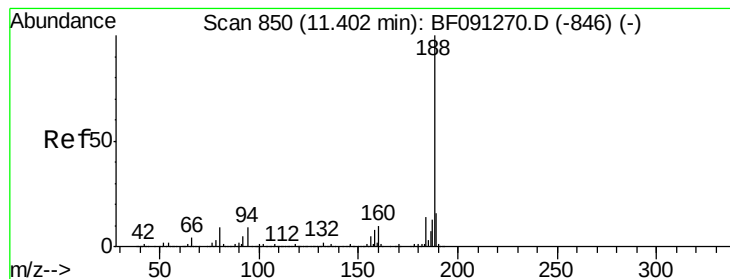
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#49
 Dimethylphthalate
 Concen: 4.73 ng
 RT: 9.63 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Tgt Ion:163 Resp: 118967
 Ion Ratio Lower Upper
 163 100
 194 2.9 3.0 4.4#
 164 11.2 7.8 11.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

Tgt Ion:188 Resp: 564694
Ion Ratio Lower Upper

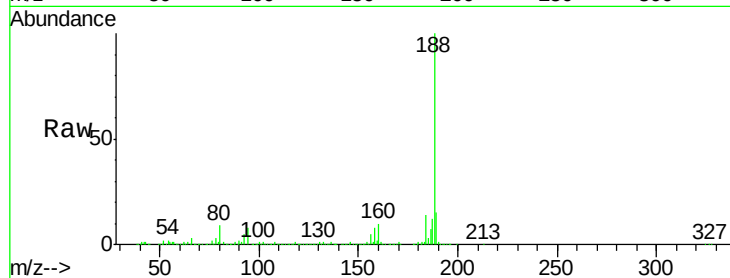
188 100

94 7.7 9.2 13.8#

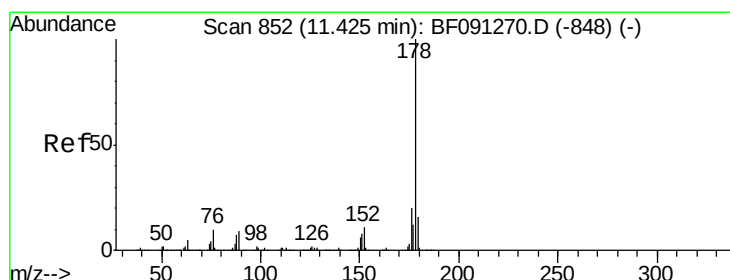
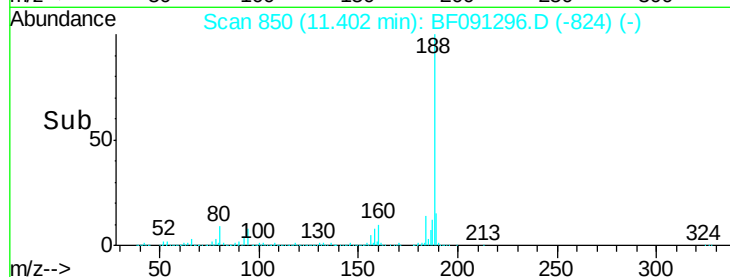
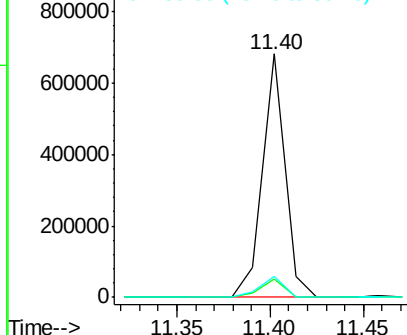
80 8.7 10.5 15.7#

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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: 13.35 ng

RT: 11.42 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF091296.D

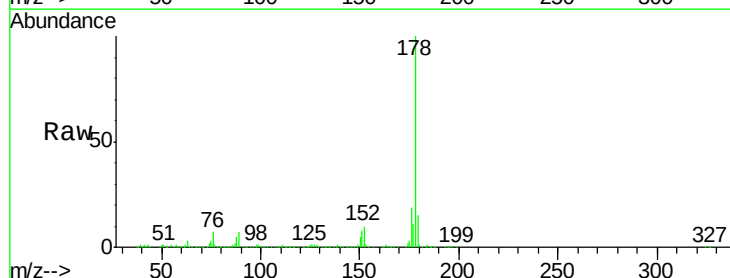
Acq: 24 Nov 2016 1:05

Tgt Ion:178 Resp: 391115
Ion Ratio Lower Upper

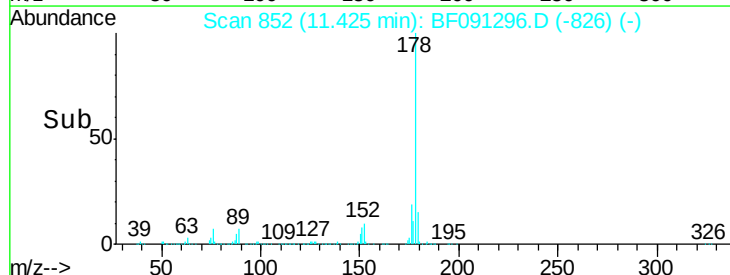
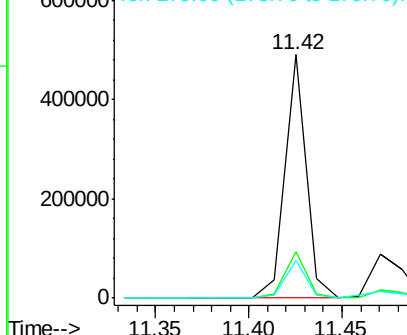
178 100

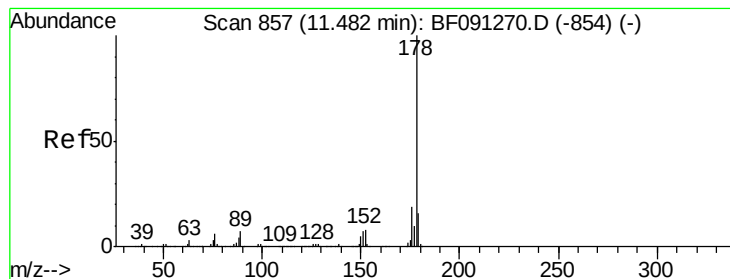
176 19.2 15.9 23.9

179 15.4 12.6 18.8



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: 3.57 ng

RT: 11.47 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

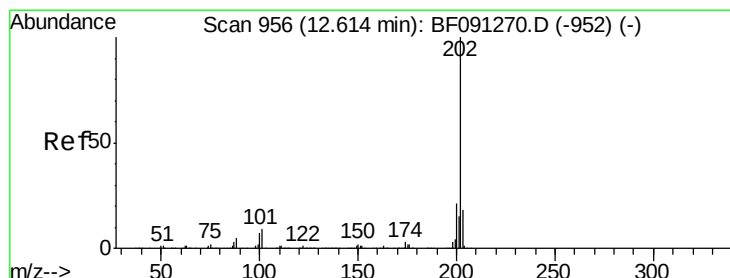
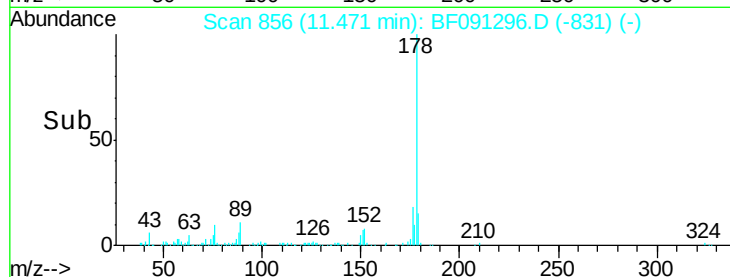
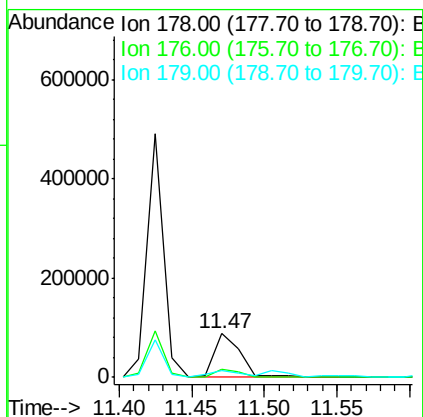
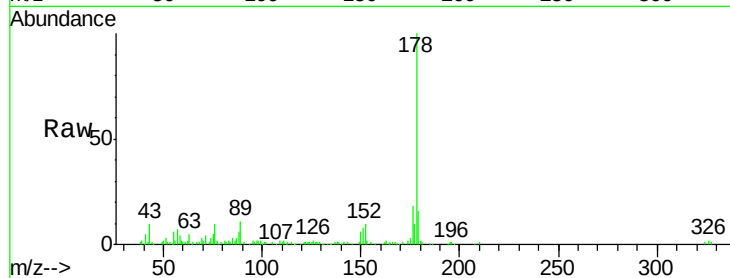
ClientSampleId :

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Tgt Ion:	178	Resp:	107053
Ion Ratio		Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.8	12.7	19.1

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#74

Fluoranthene

Concen: 23.88 ng

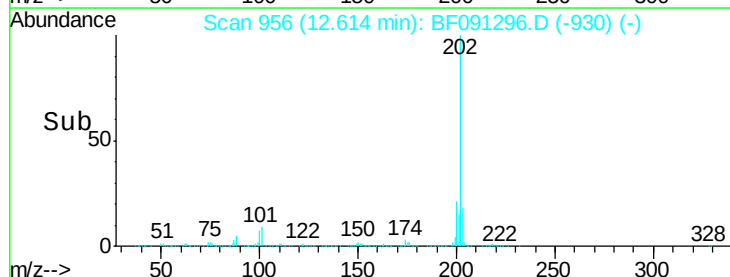
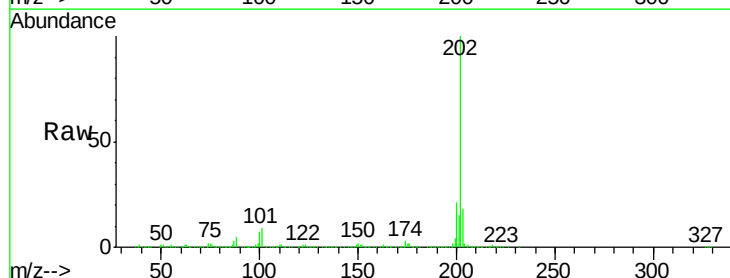
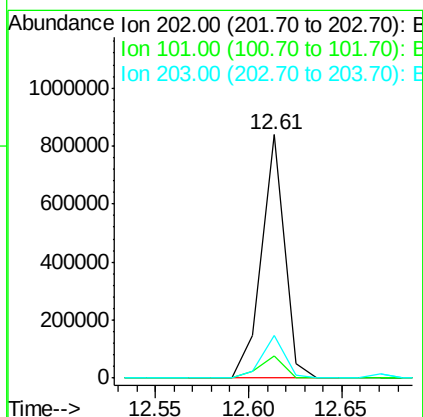
RT: 12.61 min Scan# 956

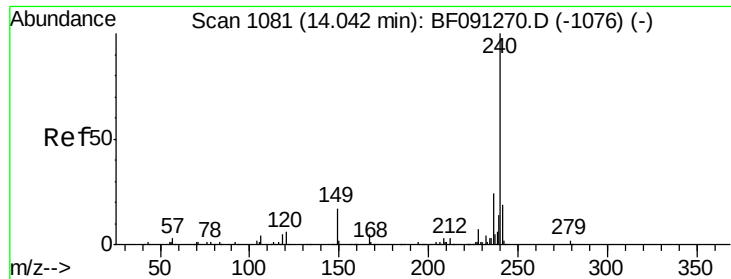
Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Tgt Ion:	202	Resp:	711472
Ion Ratio		Lower	Upper
202	100		
101	9.0	0.0	29.5
203	17.6	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

Tgt Ion:240 Resp: 485217

Ion Ratio Lower Upper

240 100

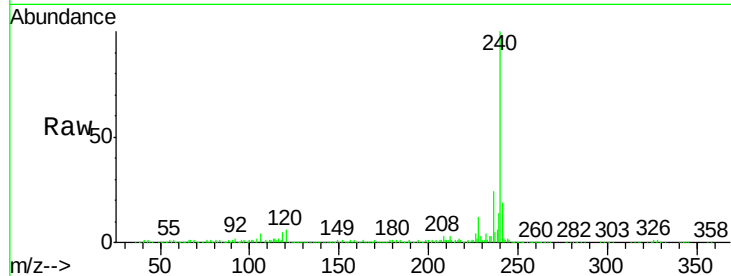
120 5.7 12.1 18.1#

236 24.3 21.0 31.6

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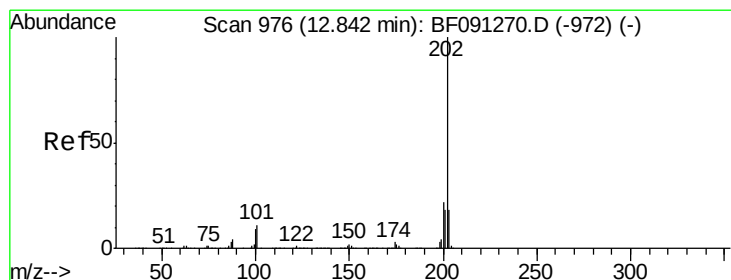
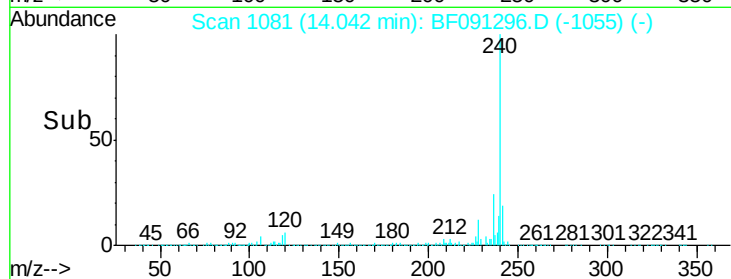
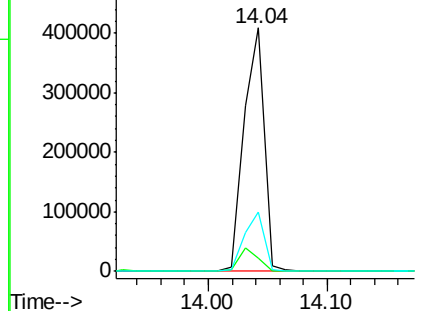
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 17.26 ng

RT: 12.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

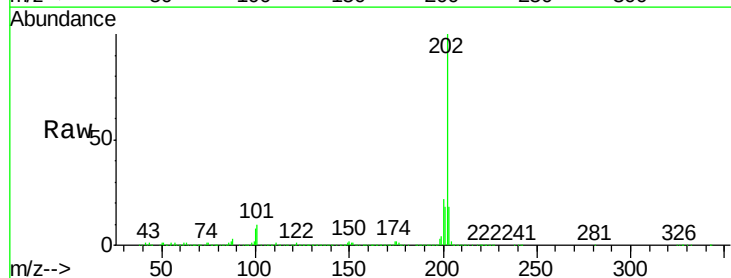
Tgt Ion:202 Resp: 618850

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

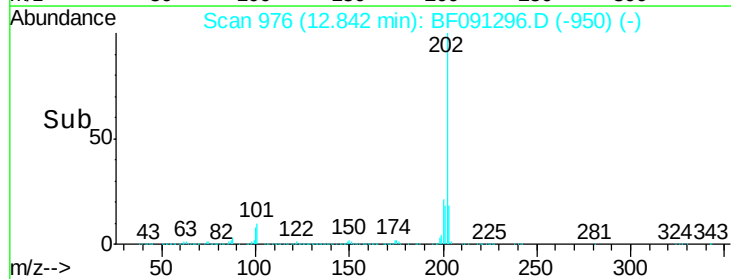
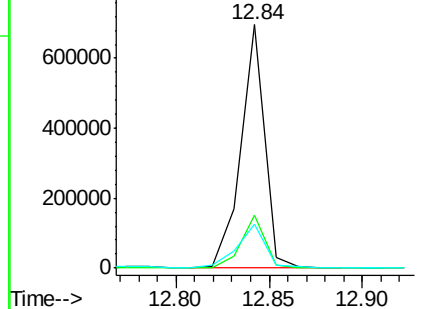
203 17.9 14.0 21.0

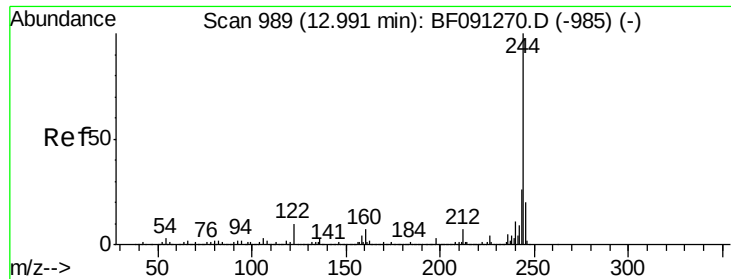


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.09 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

Tgt Ion:244 Resp: 1234196

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

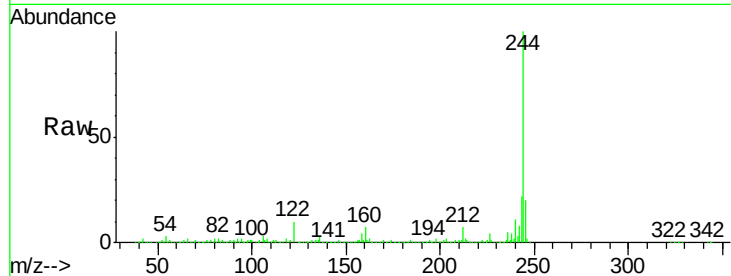
122 10.2 9.5 14.3

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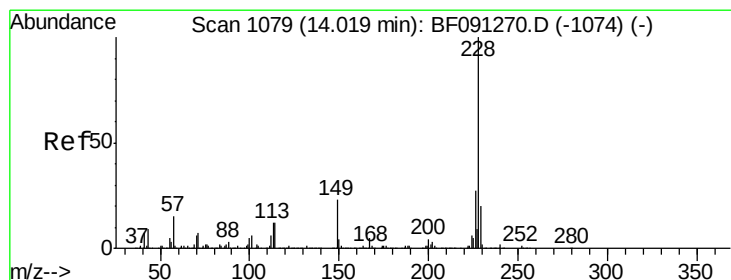
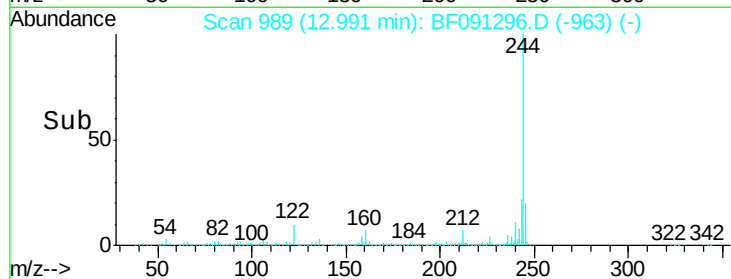
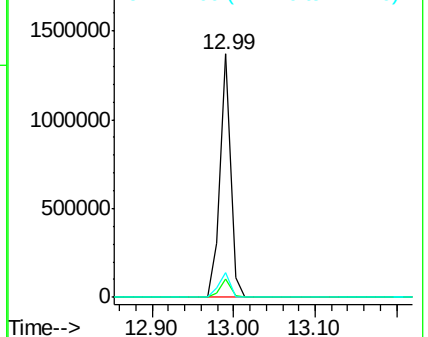
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.46 ng

RT: 14.03 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

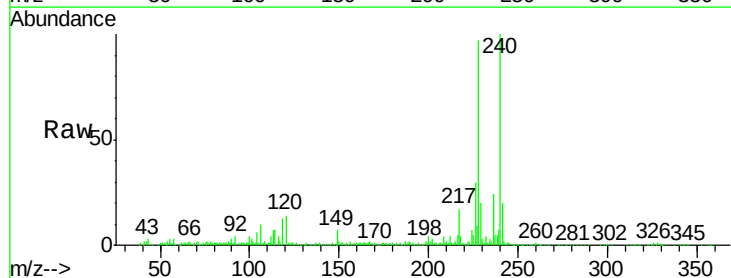
Tgt Ion:228 Resp: 343205

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

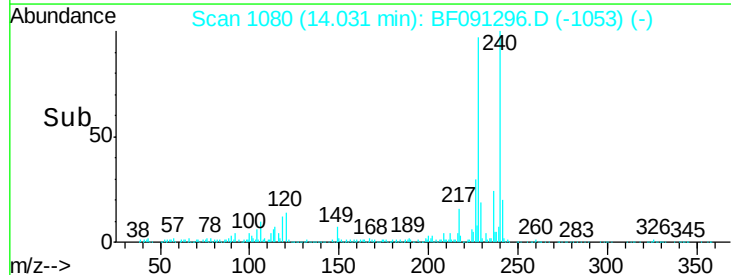
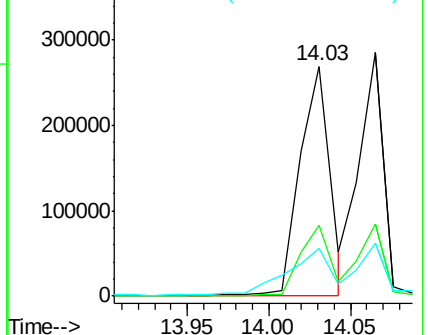
229 20.6 16.4 24.6

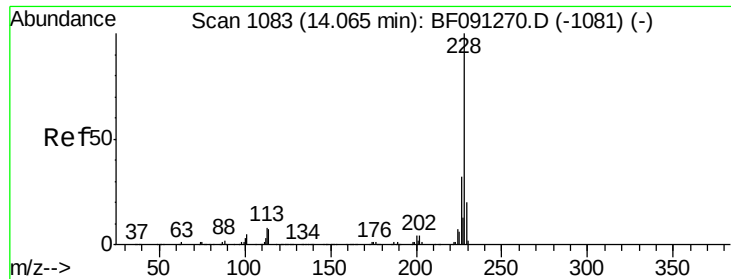


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

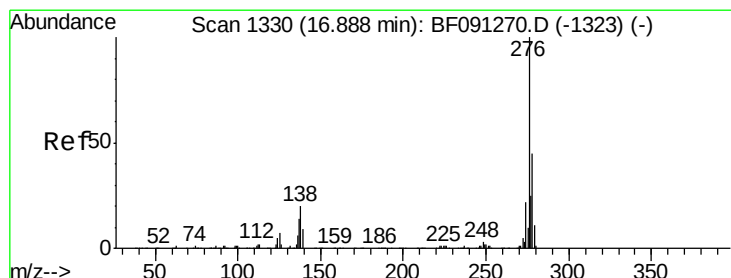
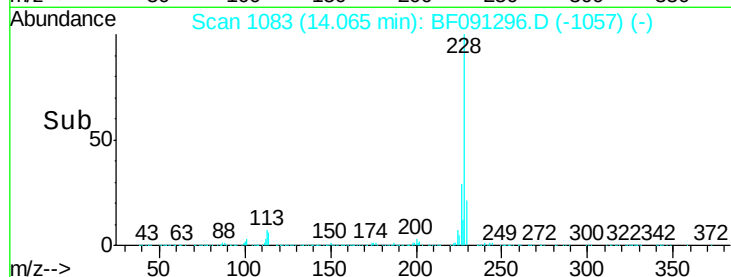
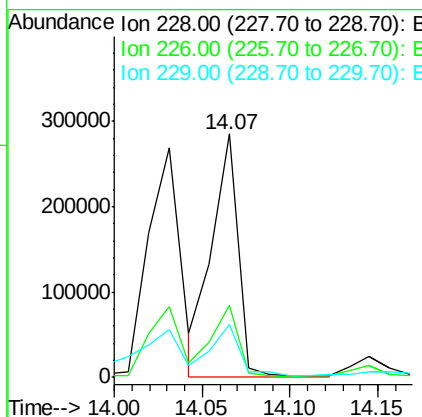
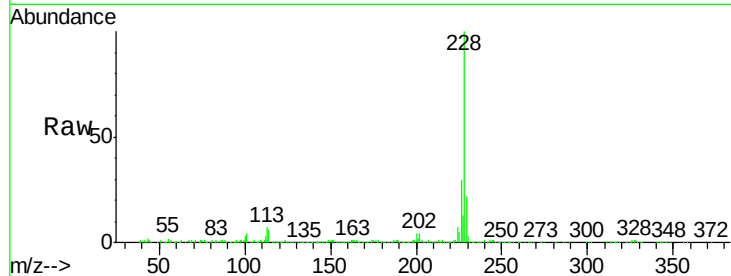
Concen: 11.54 ng m
RT: 14.07 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF091296.D
Acq: 24 Nov 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.7	16.0	24.0

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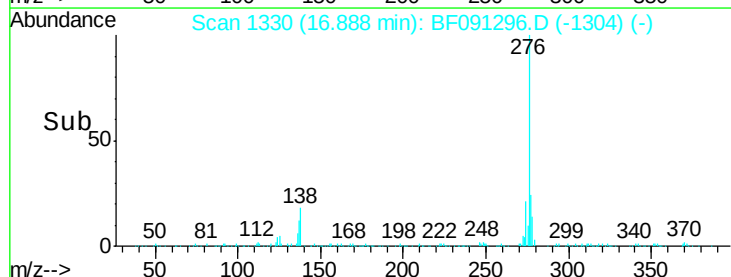
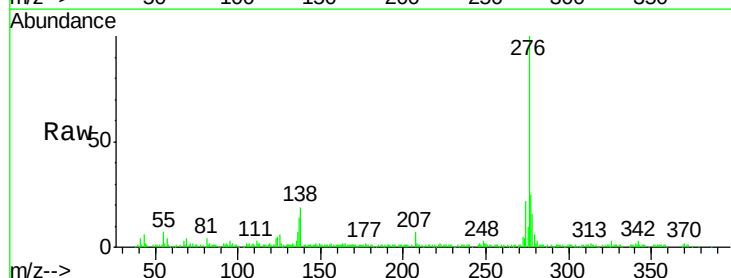
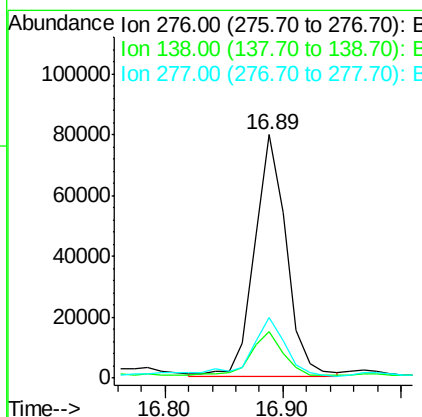


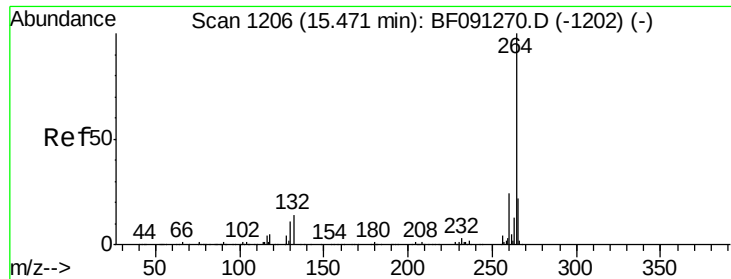
#85

Indeno(1,2,3-cd)pyrene

Concen: 6.64 ng m
RT: 16.89 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF091296.D
Acq: 24 Nov 2016 1:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.7	21.0	31.4#
277	5.2	20.2	30.2#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1207

Delta R.T. 0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

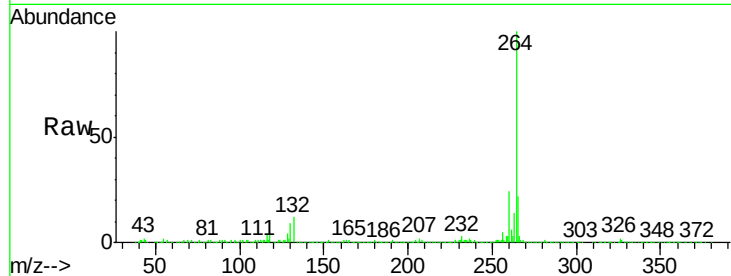
ClientSampleId :

SB-05(0-0.16)

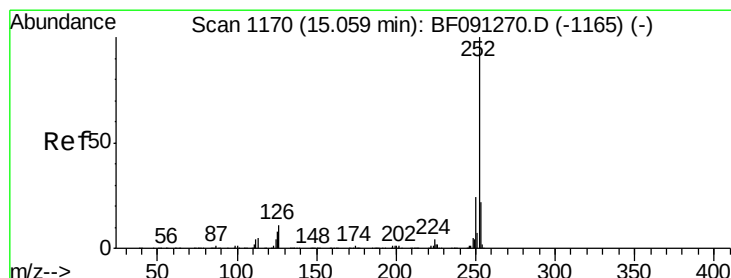
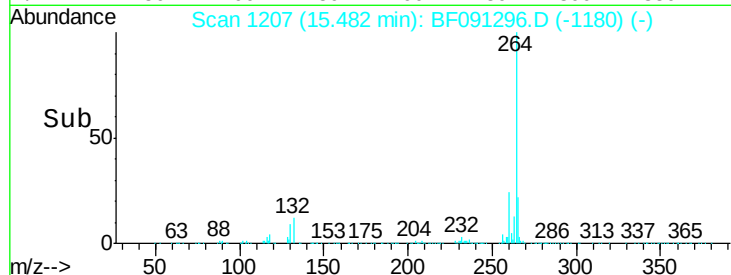
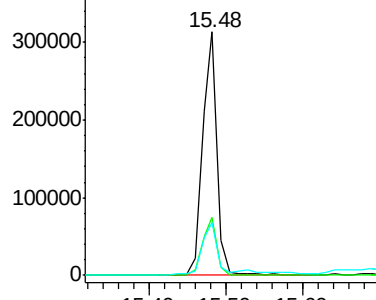
Tgt Ion:	264	Resp:	413750
Ion Ratio		Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.9	17.0	25.6

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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



#87

Benzo(b)fluoranthene

Concen: 17.08 ng m

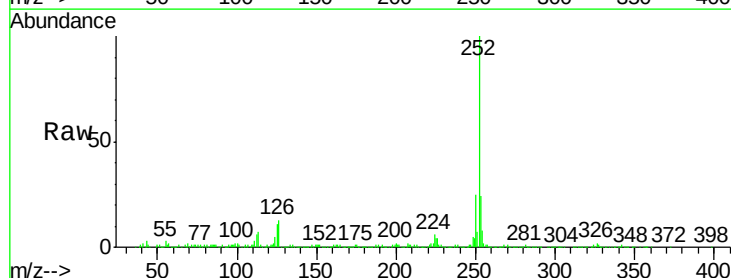
RT: 15.06 min Scan# 1170

Delta R.T. 0.00 min

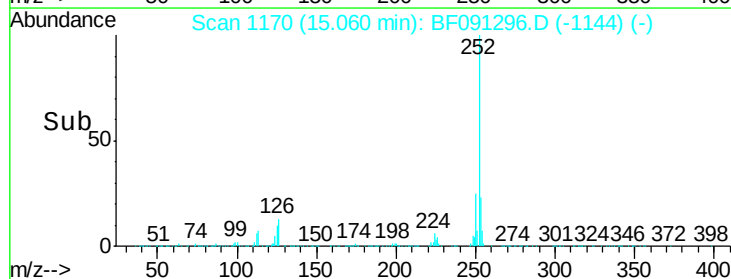
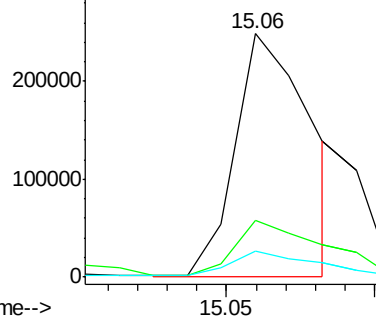
Lab File: BF091296.D

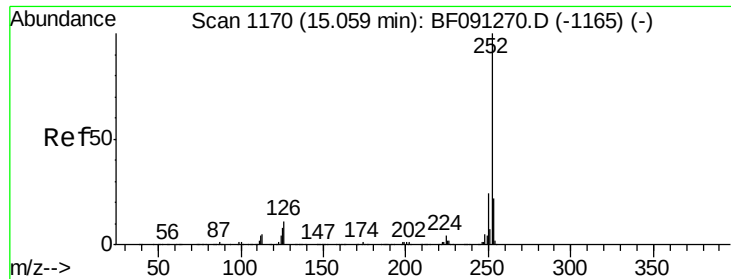
Acq: 24 Nov 2016 1:05

Tgt Ion:	252	Resp:	445810
Ion Ratio		Lower	Upper
252	100		
253	23.6	18.2	27.2
125	10.7	8.6	13.0



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





#88

Benzo(k)fluoranthene

Concen: 3.84 ng m

RT: 15.08 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

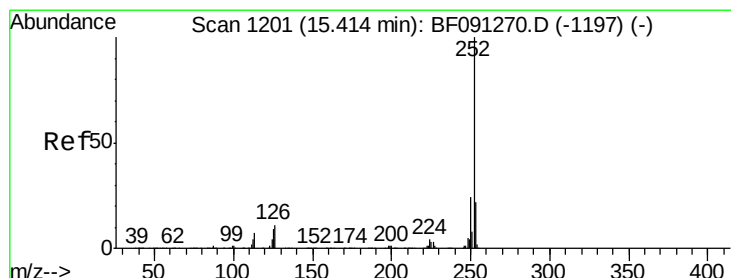
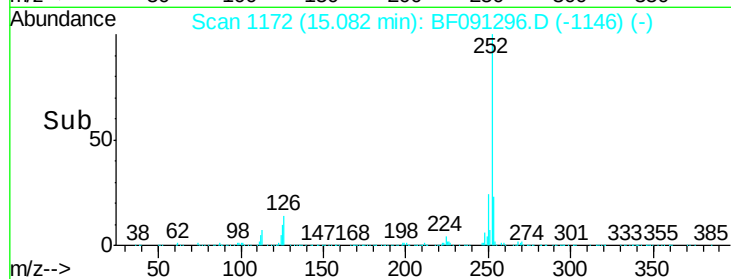
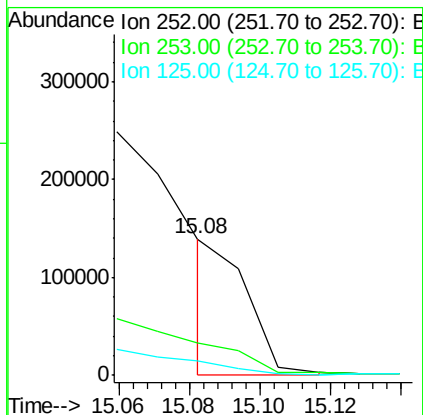
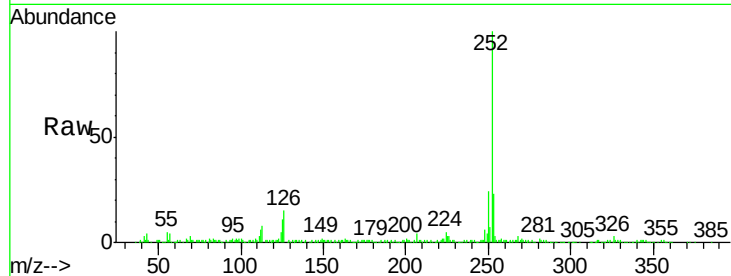
ClientSampleId :

SB-05(0-0.16)

Tgt Ion:	252	Resp:	81924
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	10.5	9.6	14.4

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#89

Benzo(a)pyrene

Concen: 11.71 ng m

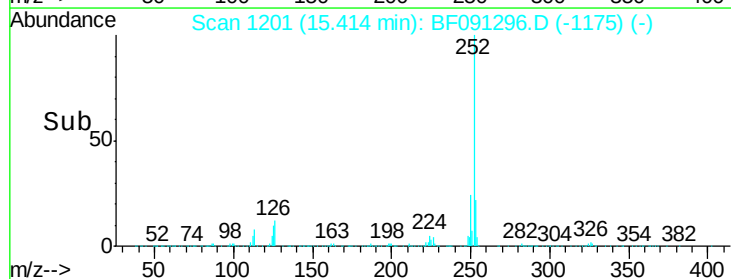
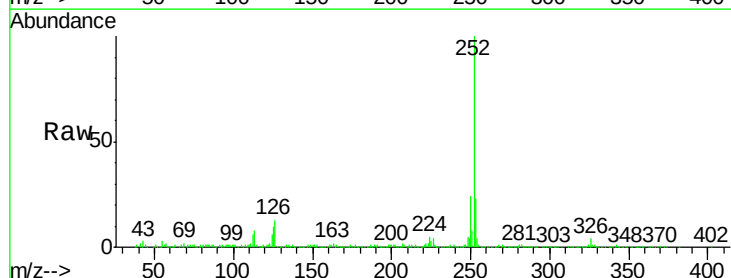
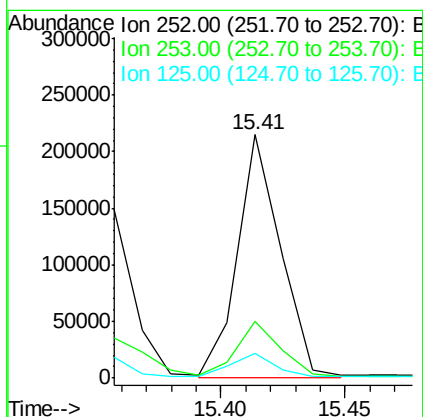
RT: 15.41 min Scan# 1201

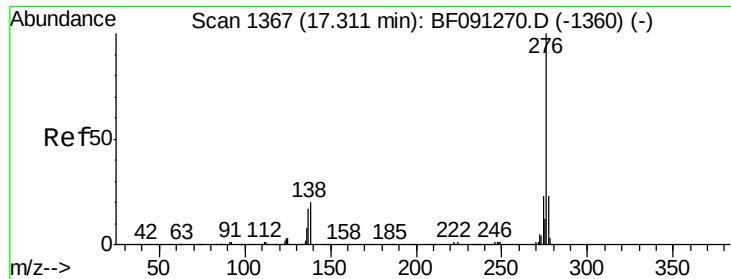
Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Tgt Ion:	252	Resp:	259941
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.4
125	10.2	10.4	15.6#





#91
 Benzo(g,h,i)perylene
 Concen: 6.26 ng
 RT: 17.31 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Tgt Ion:	276	Resp:	127300
Ion Ratio		Lower	Upper
276	100		
277	25.0	19.0	28.4
138	20.7	15.4	23.0

Manual Integrations
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