

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086952.D
 Acq On : 13 May 2016 1:45
 Operator : UM/SJ
 Sample : H2977-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Manual Integrations
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Quant Time: May 13 03:04:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	163835	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	648420	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	278077	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	401626	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	350832	20.00	ng	-0.01
86) Perylene-d12	15.12	264	334779	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1151679	119.05	ng	0.01
7) Phenol-d6	6.30	99	1548833	119.79	ng	0.00
23) Nitrobenzene-d5	7.20	82	1034590	80.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	246960	83.89	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1473617	89.06	ng	0.00
78) Terphenyl-d14	12.72	244	880590	53.26	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.17	77	42258	5.64	ng	96
49) Dimethylphthalate	9.39	163	371448	17.51	ng	99
70) Phenanthrene	11.15	178	190139	8.87	ng	99
71) Anthracene	11.21	178	52366	2.39	ng	99
74) Fluoranthene	12.34	202	633785	28.75	ng	94
77) Pyrene	12.57	202	541632	20.17	ng	98
80) Benzo(a)anthracene	13.75	228	319494	16.22	ng	98
82) Chrysene	13.78	228	236977m	11.83	ng	
83) Bis(2-ethylhexyl)phthalate	13.76	149	27364	2.00	ng	99
85) Indeno(1,2,3-cd)pyrene	16.37	276	137840	8.27	ng	# 90
87) Benzo(b)fluoranthene	14.75	252	355400m	16.33	ng	
88) Benzo(k)fluoranthene	14.77	252	145587m	8.17	ng	
89) Benzo(a)pyrene	15.07	252	261346m	13.93	ng	
90) Dibenzo(a,h)anthracene	16.38	278	33478	2.12	ng	96
91) Benzo(g,h,i)perylene	16.74	276	117678	7.32	ng	# 92

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

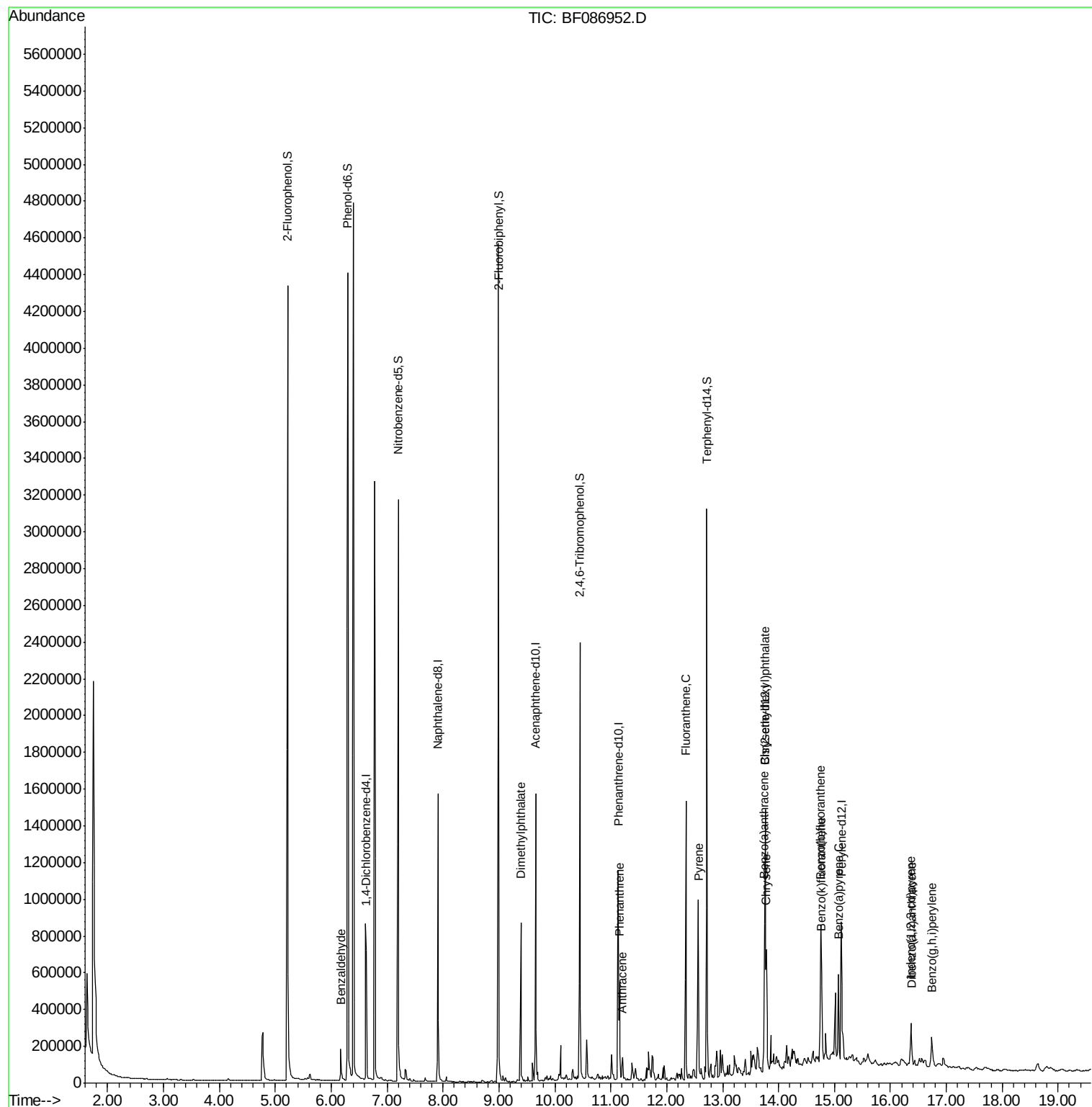
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
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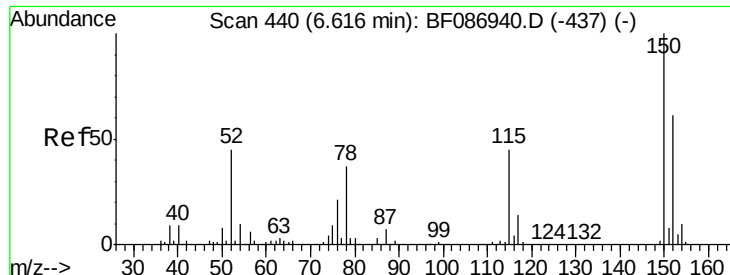
Instrument :
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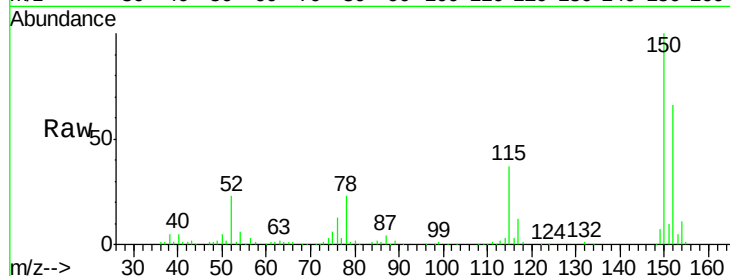




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 441
Delta R.T. 0.00 min
Lab File: BF086952.D
Acq: 13 May 2016 1:45

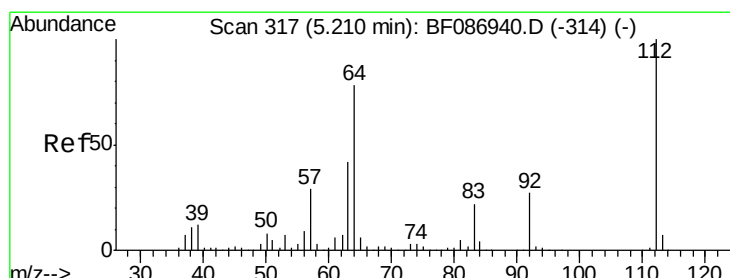
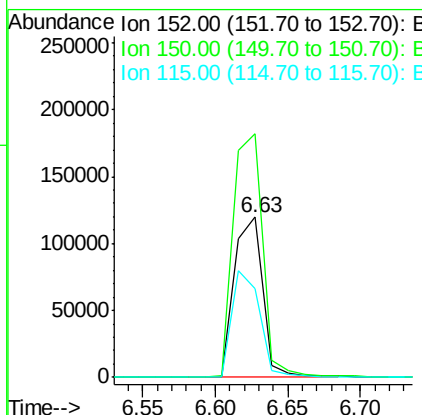
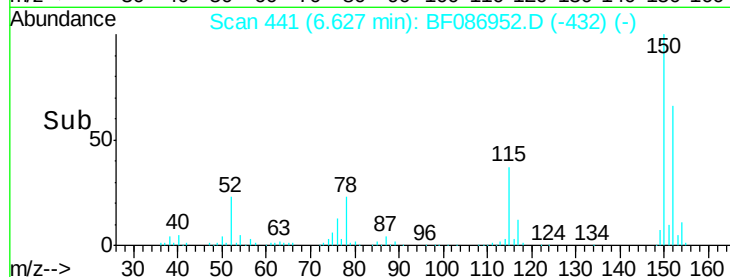
Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	125.8	188.6
115	55.6	51.5	77.3

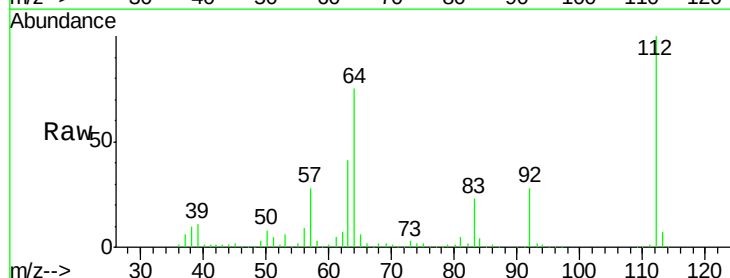
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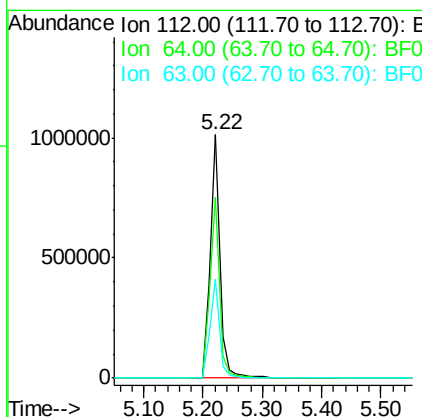
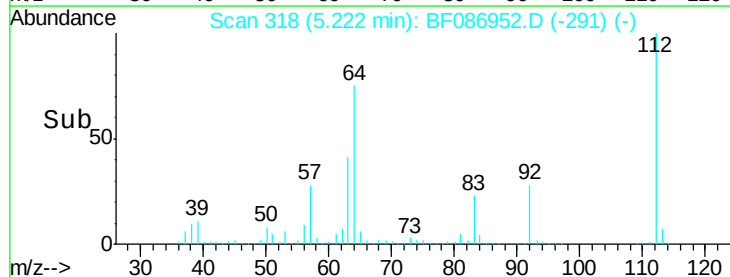


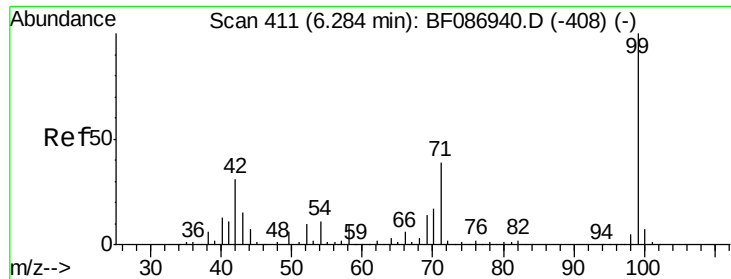
#5

2-Fluorophenol
Concen: 119.05 ng
RT: 5.22 min Scan# 318
Delta R.T. 0.01 min
Lab File: BF086952.D
Acq: 13 May 2016 1:45



Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	52.1	78.1
63	40.9	25.7	38.5





#7

Phenol-d6

Concen: 119.79 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

Tgt Ion: 99 Resp: 1548833

Ion Ratio Lower Upper

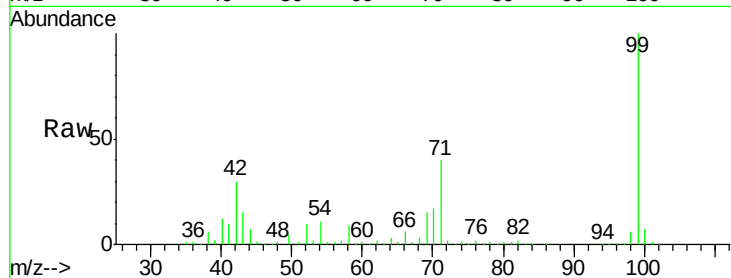
99 100

42 29.6 13.6 20.4#

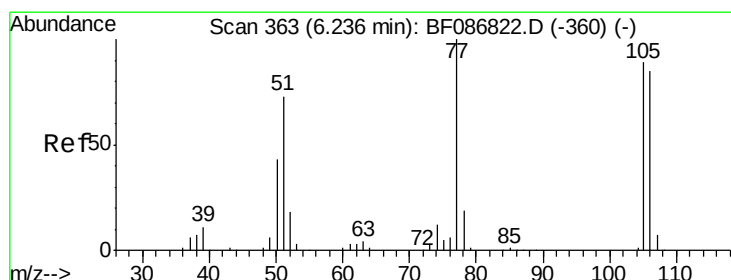
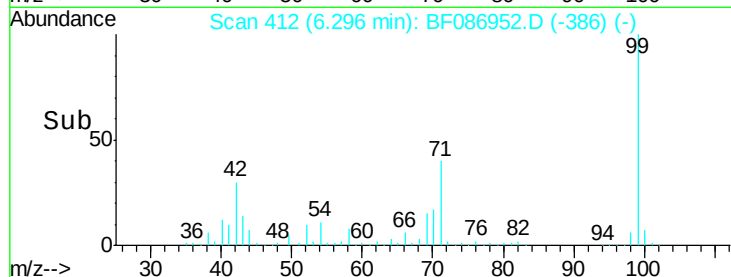
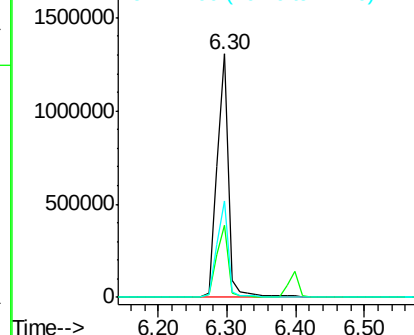
71 39.6 24.6 36.8#

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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



#9

Benzaldehyde

Concen: 5.64 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

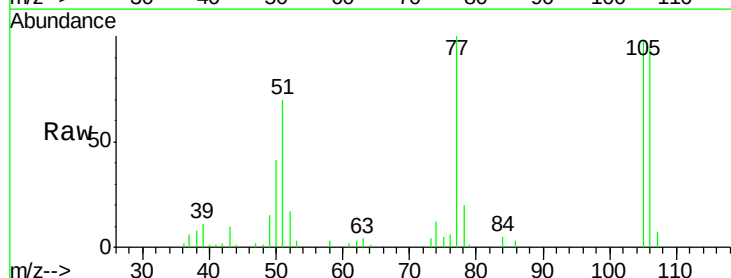
Tgt Ion: 77 Resp: 42258

Ion Ratio Lower Upper

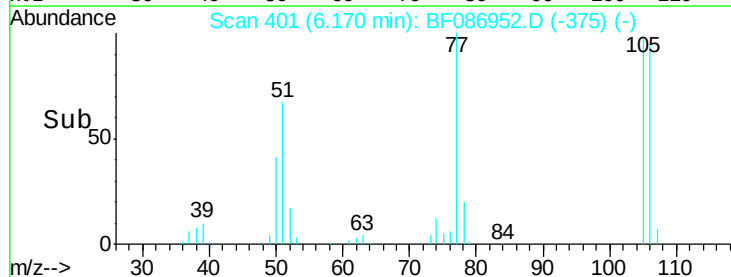
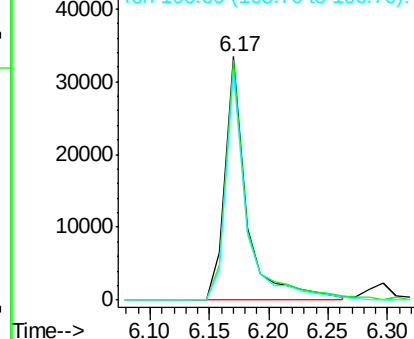
77 100

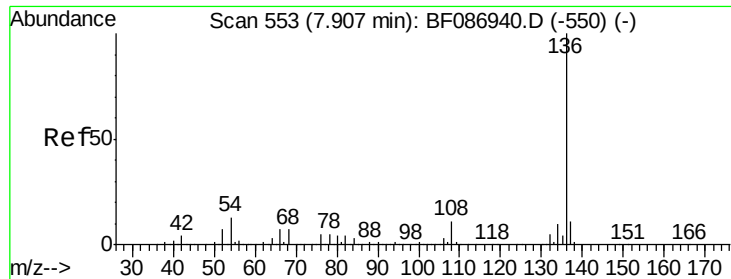
105 98.3 72.7 112.7

106 93.7 70.8 110.8



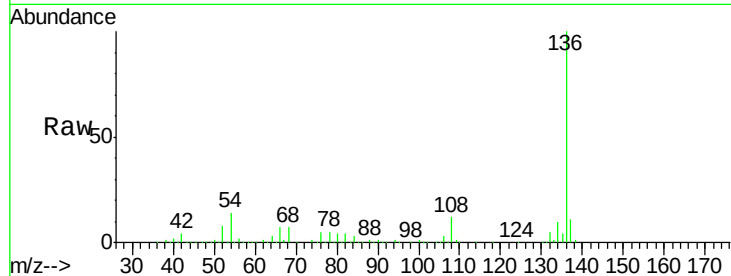
Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF086952.D
Acq: 13 May 2016 1:45

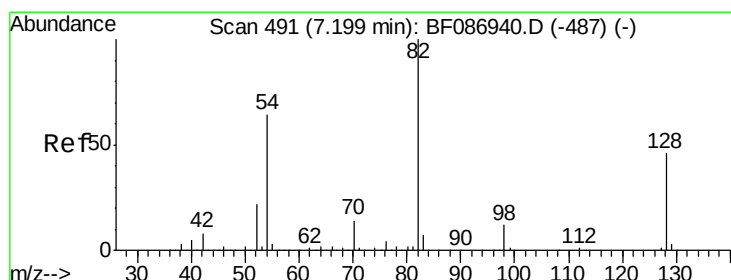
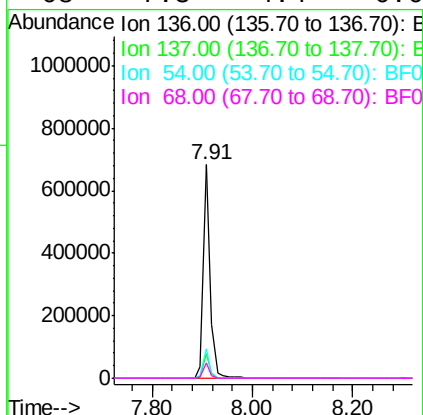
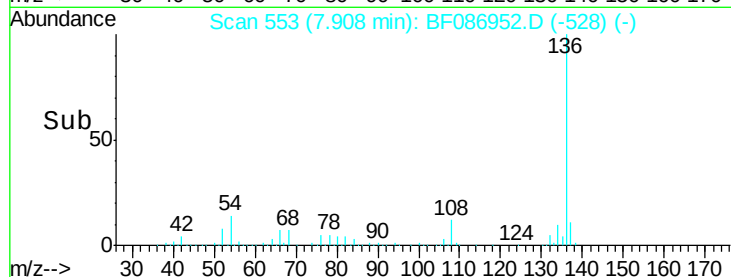
Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.3	8.8	13.2
54	13.6	5.0	7.4#
68	7.3	4.4	6.6#

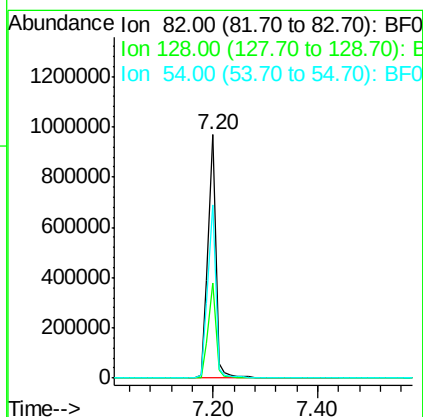
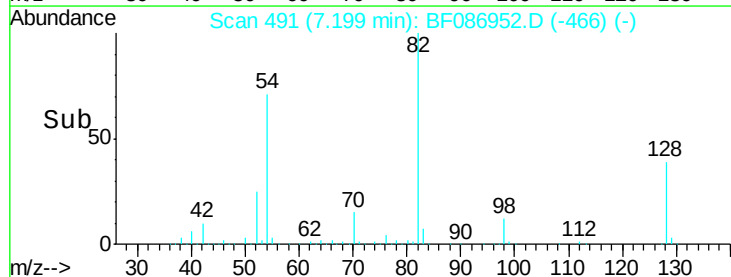
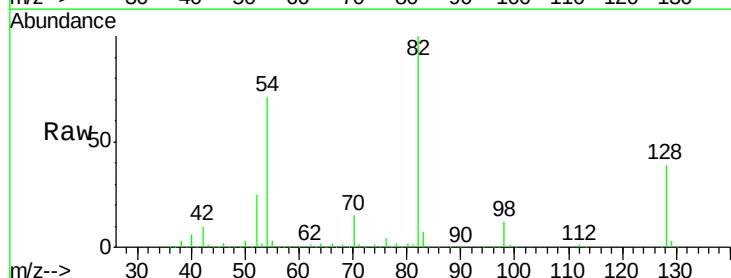
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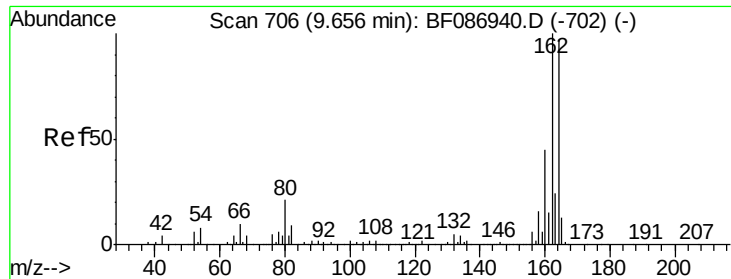
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#23
Nitrobenzene-d5
Concen: 80.12 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.01 min
Lab File: BF086952.D
Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	39.3	40.6	61.0#
54	71.2	38.1	57.1#





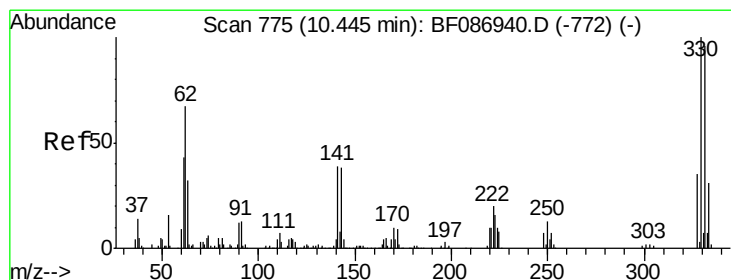
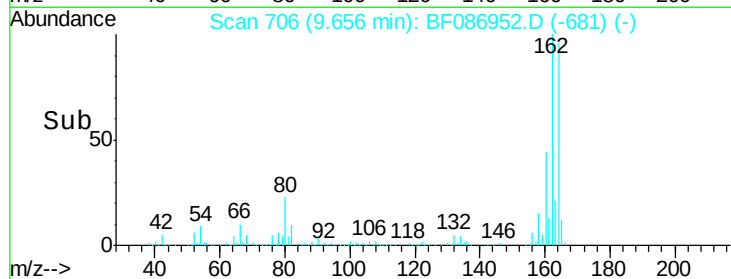
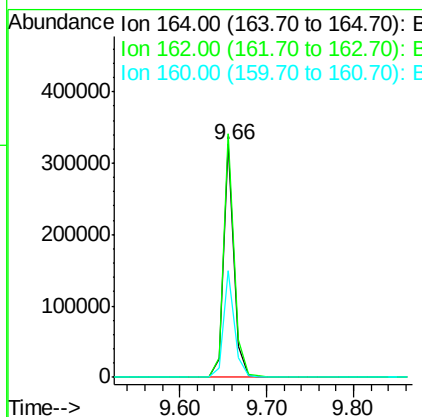
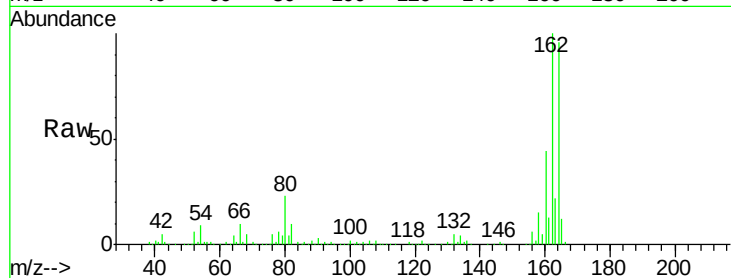
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF086952.D
Acq: 13 May 2016 1:45

Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	278077		
162	104.4	82.8	124.2	
160	45.8	36.9	55.3	

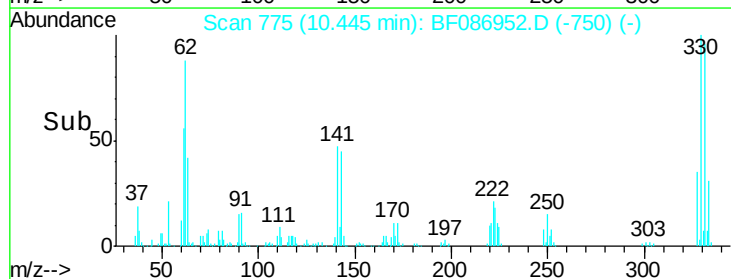
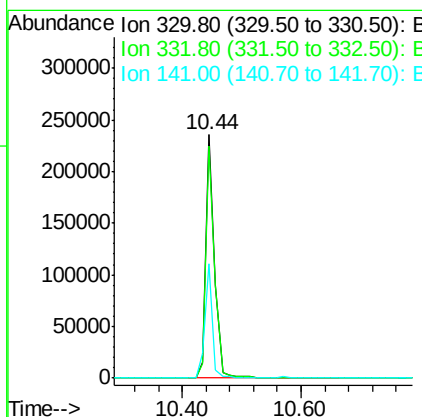
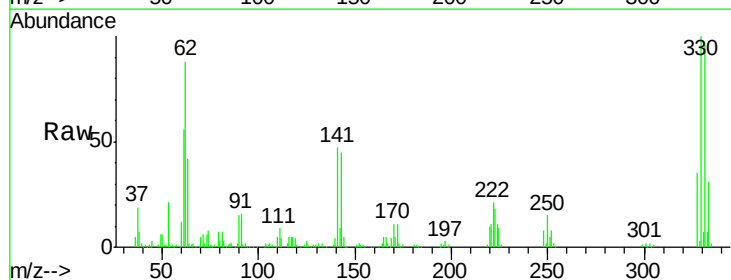
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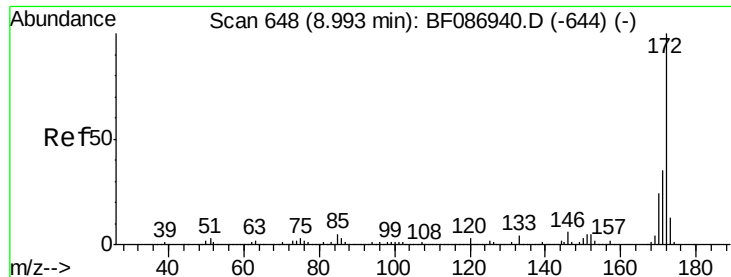
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#41
2,4,6-Tribromophenol
Concen: 83.89 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF086952.D
Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	246960		
332	96.3	79.0	118.4	
141	41.5	31.2	46.8	





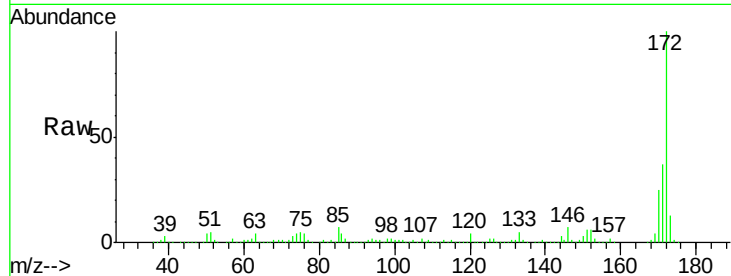
#44
 2-Fluorobiphenyl
 Concen: 89.06 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

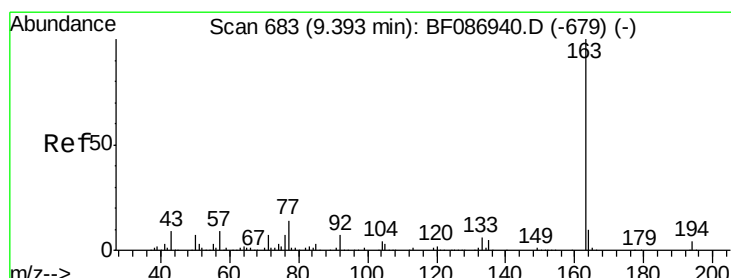
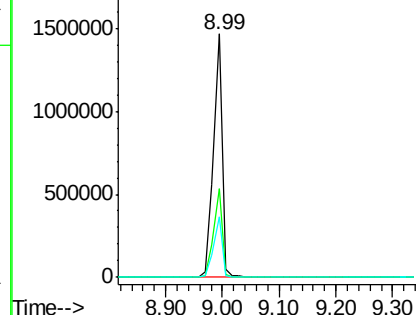
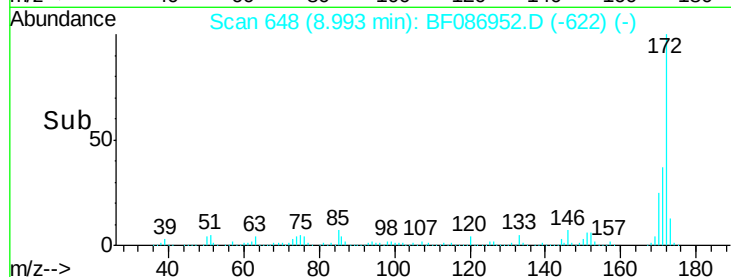
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	25.1	19.8	29.8

Manual Integrations
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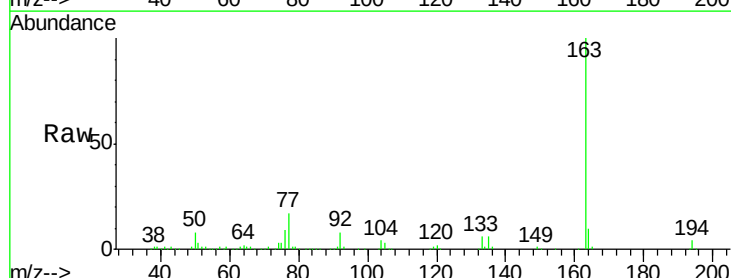


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

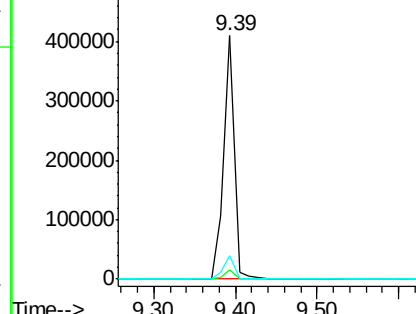
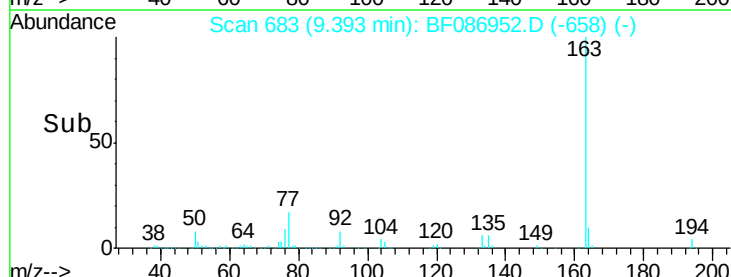


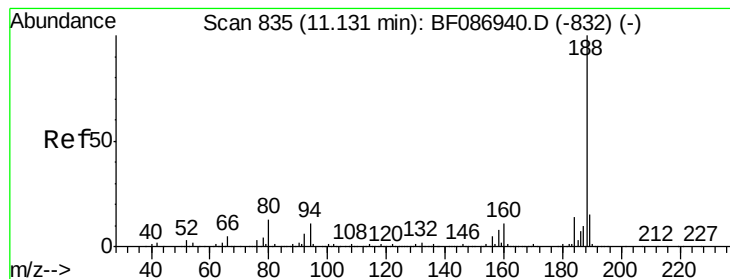
#49
 Dimethylphthalate
 Concen: 17.51 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.7	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
 500000
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

Tgt Ion:188 Resp: 401626
Ion Ratio Lower Upper

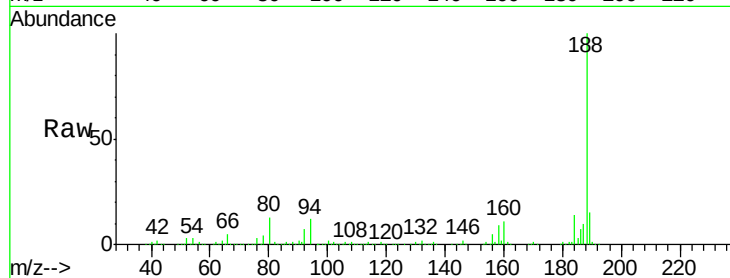
188 100

94 12.0 6.8 10.2#

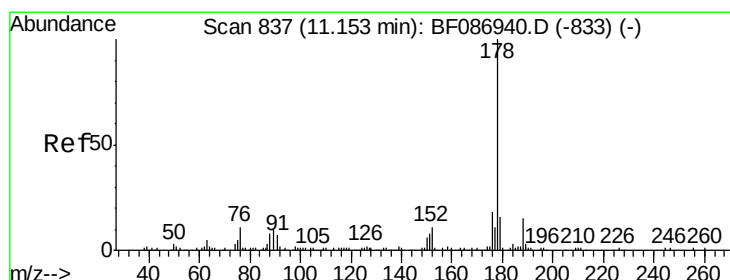
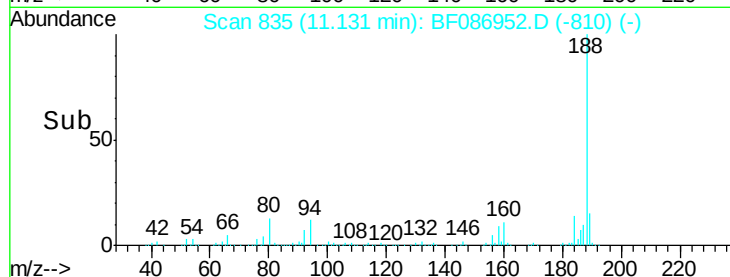
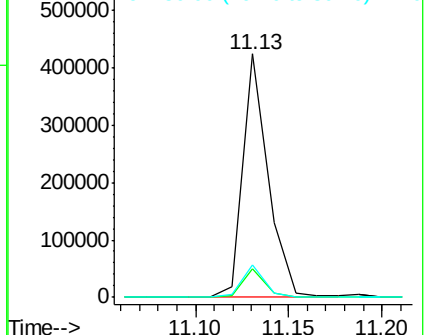
80 13.3 7.1 10.7#

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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: 8.87 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF086952.D

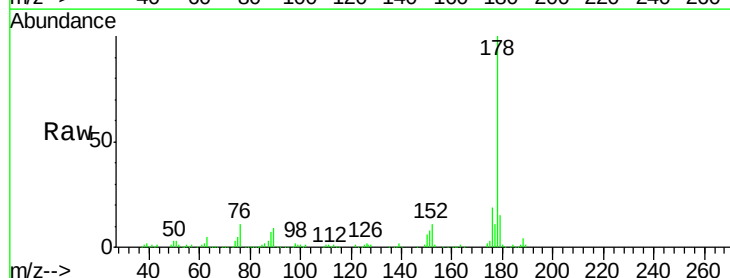
Acq: 13 May 2016 1:45

Tgt Ion:178 Resp: 190139
Ion Ratio Lower Upper

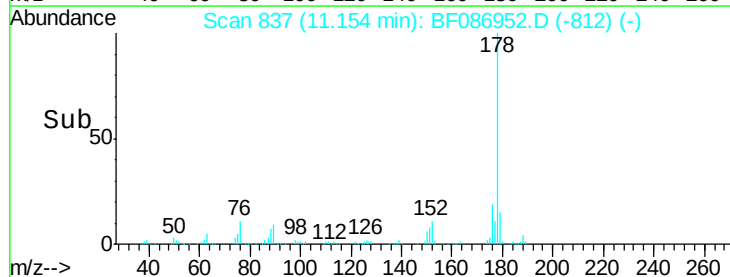
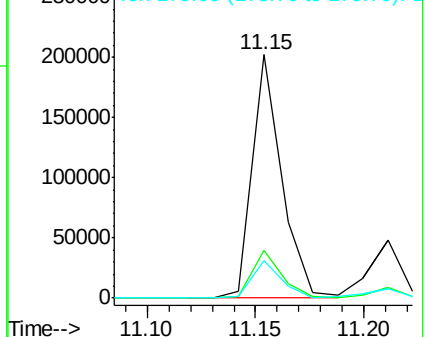
178 100

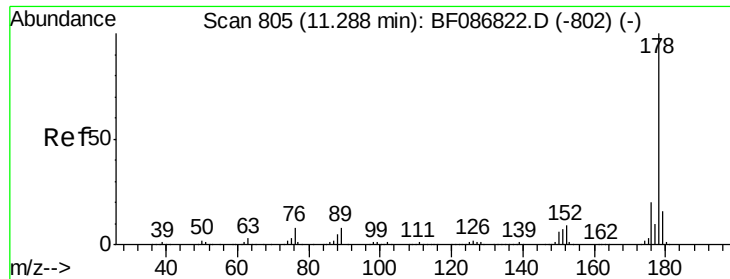
176 19.4 16.0 24.0

179 15.4 12.6 18.8



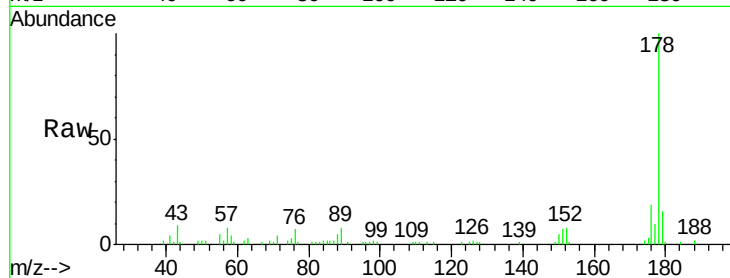
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71
 Anthracene
 Concen: 2.39 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

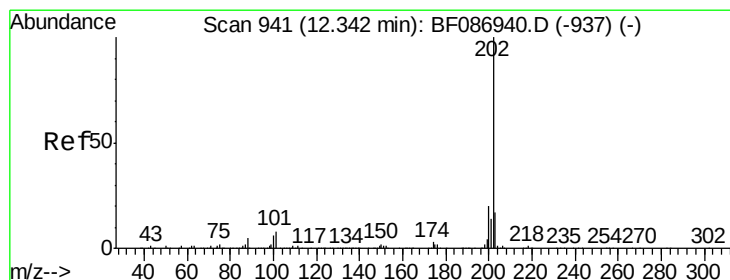
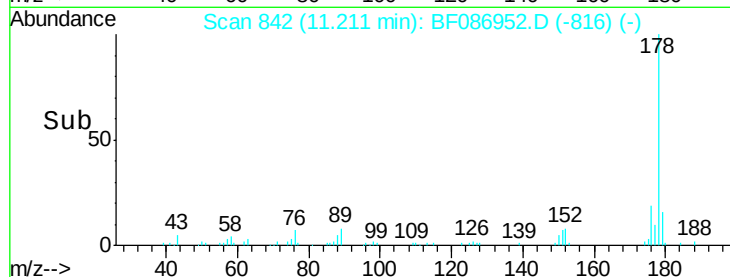
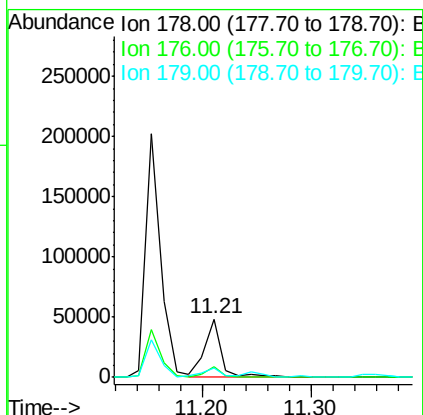
Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.6	12.7	19.1

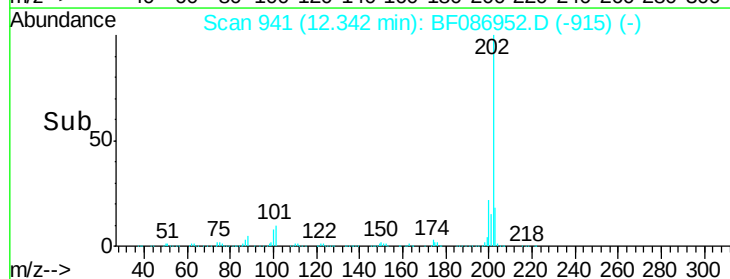
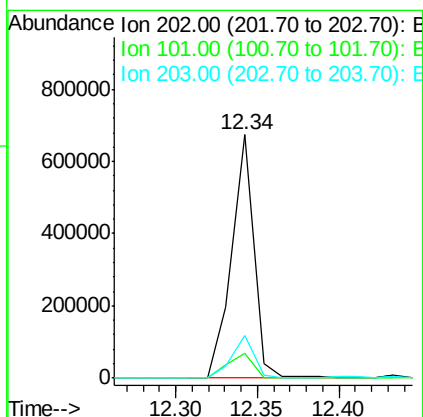
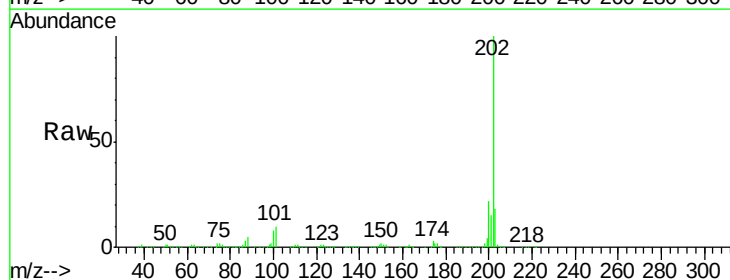
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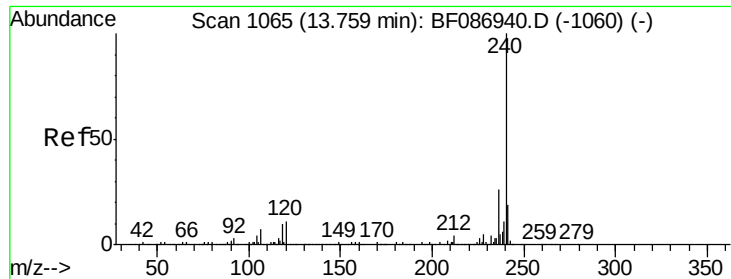
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#74
 Fluoranthene
 Concen: 28.75 ng
 RT: 12.34 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	35.4
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086952.D

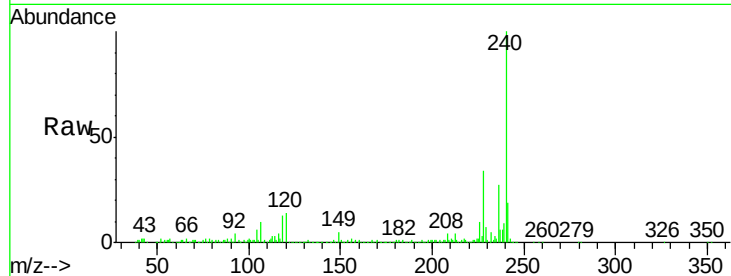
Acq: 13 May 2016 1:45

Instrument :

BNA_F

ClientSampleId :

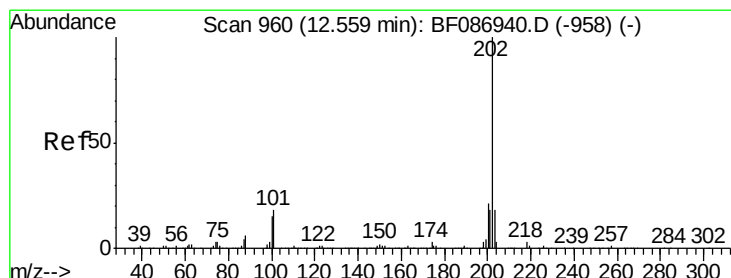
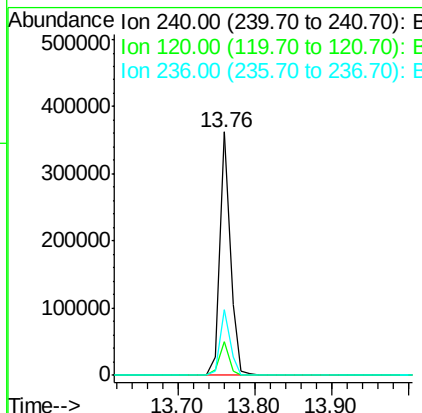
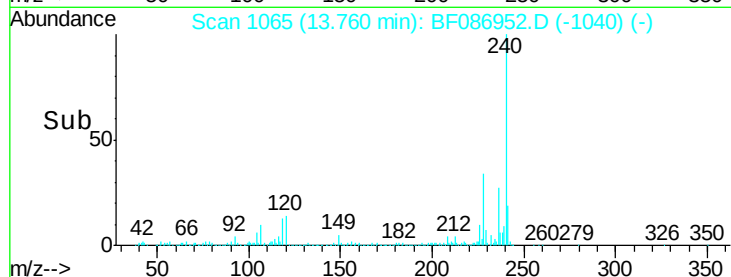
90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.0	11.2	16.8	
236	26.8	21.2	31.8	

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#77

Pyrene

Concen: 20.17 ng

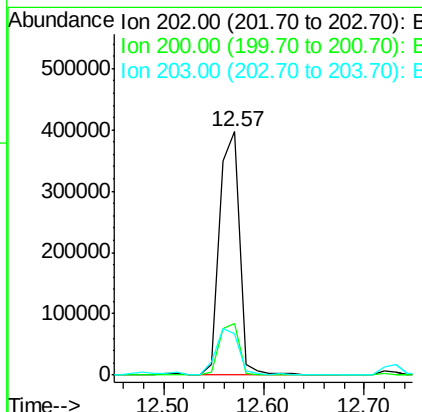
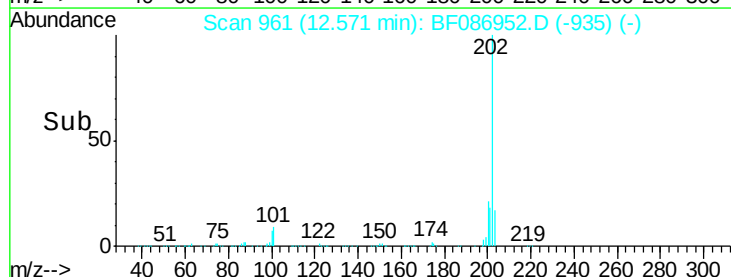
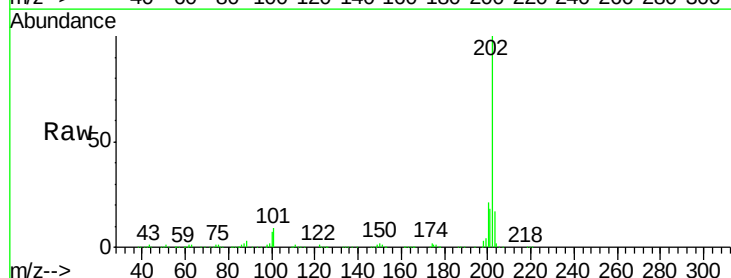
RT: 12.57 min Scan# 961

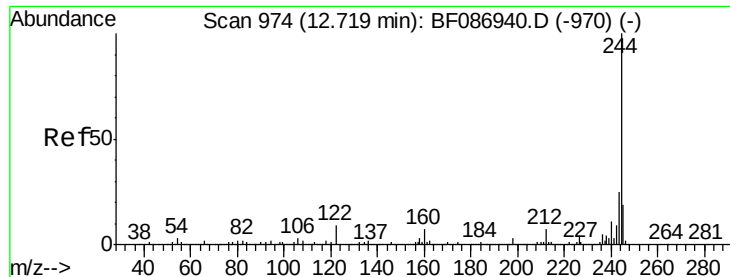
Delta R.T. 0.00 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.7	26.5	
203	17.2	14.2	21.4	





#78

Terphenyl-d14

Concen: 53.26 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

Instrument :

BNA_F

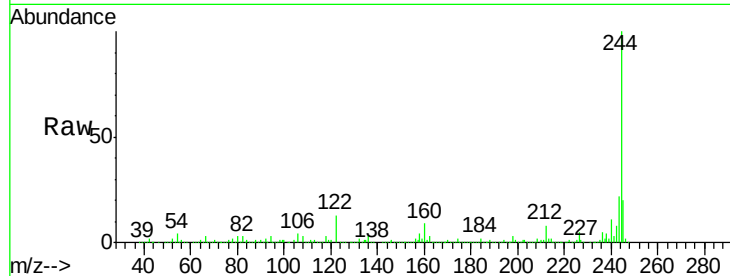
ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

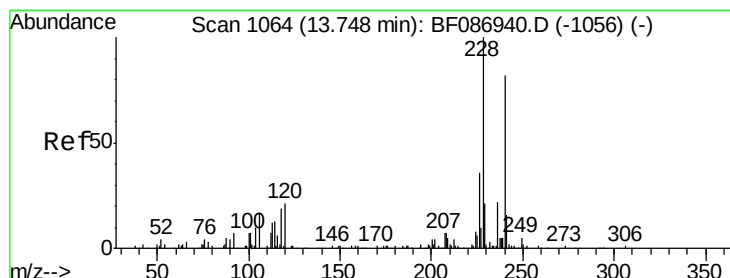
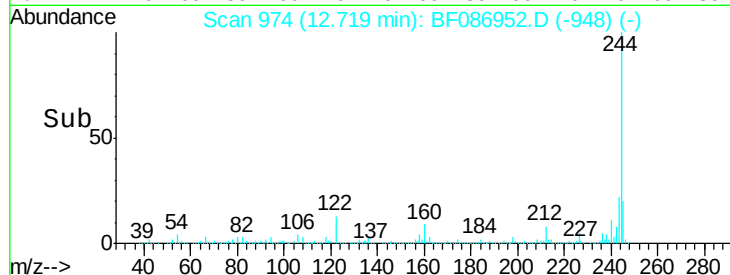
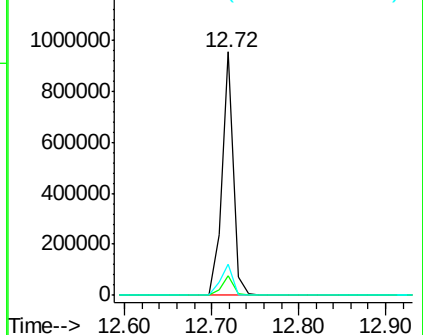
Tgt Ion:	244	Resp:	880590
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.2
122	12.9	12.0	18.0

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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: 16.22 ng

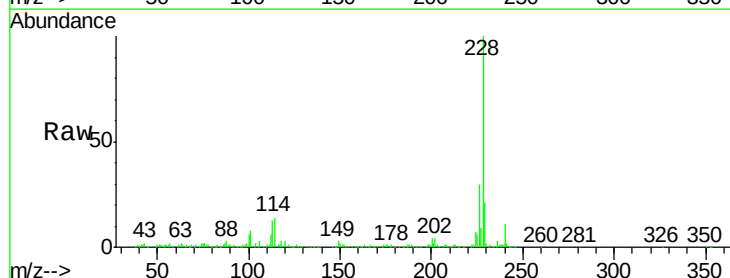
RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

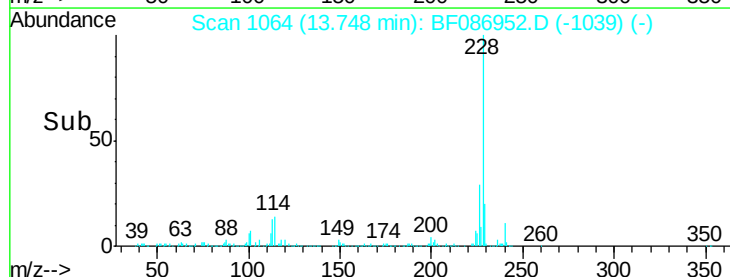
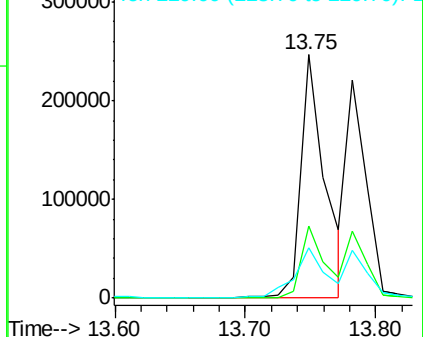
Lab File: BF086952.D

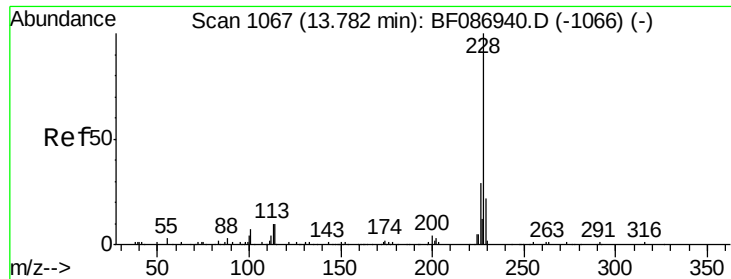
Acq: 13 May 2016 1:45

Tgt Ion:	228	Resp:	319494
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.5	33.7
229	20.9	16.6	25.0



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





#82

Chrysene

Concen: 11.83 ng m

RT: 13.78 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BF086952.D

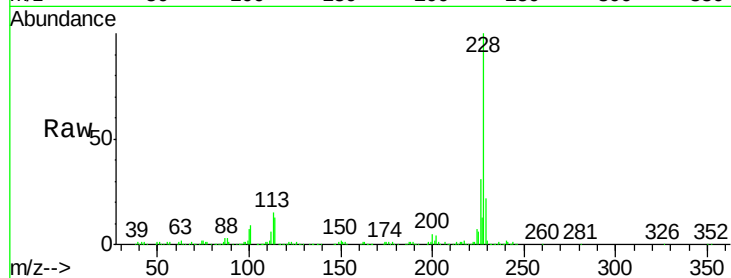
Acq: 13 May 2016 1:45

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0



Tgt Ion: 228 Resp: 236977

Ion Ratio Lower Upper

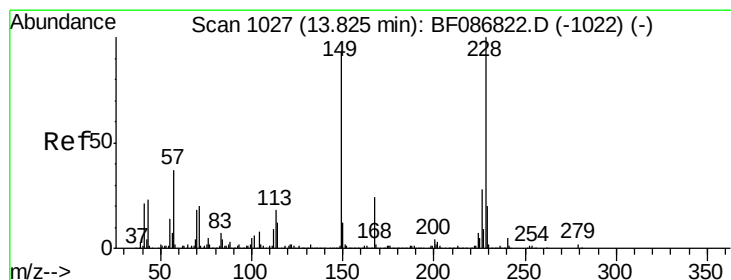
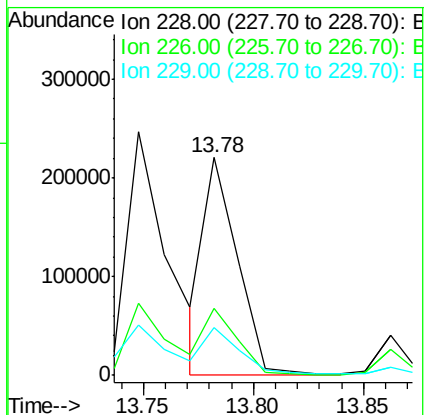
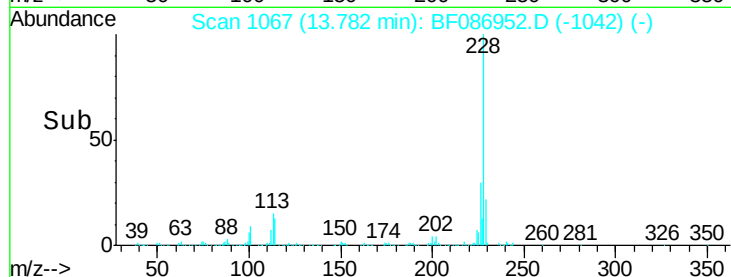
228 100

226 30.7 24.4 36.6

229 22.1 15.8 23.8

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

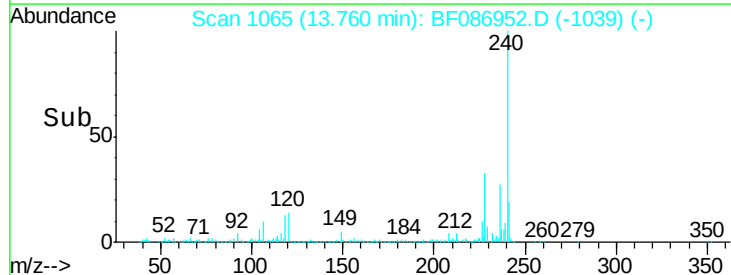
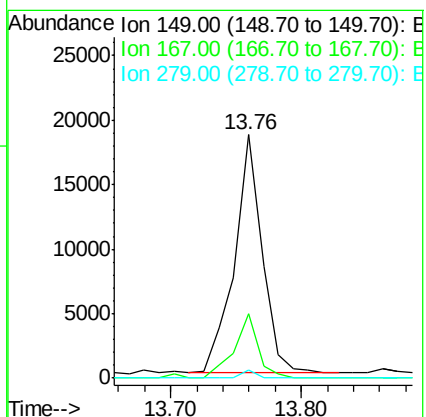
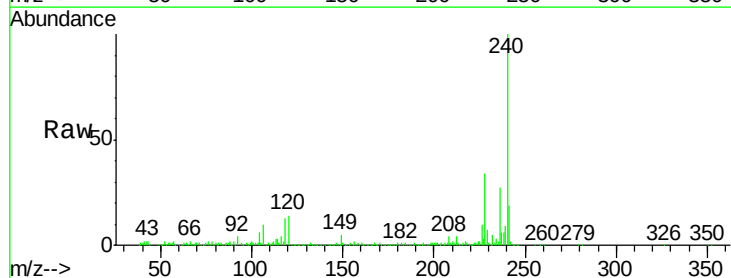
Tgt Ion: 149 Resp: 27364

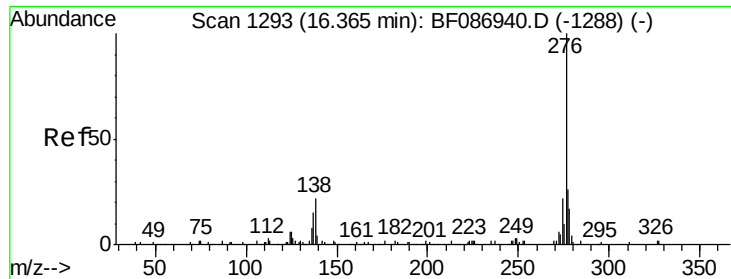
Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.6

279 3.1 2.6 4.0





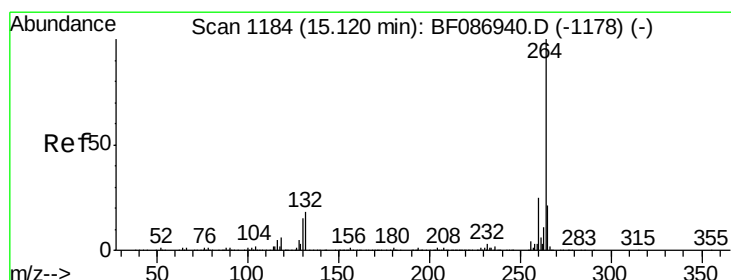
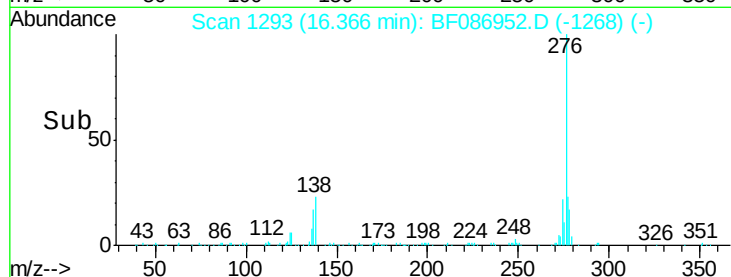
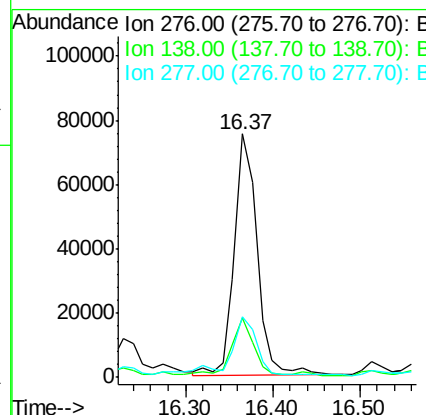
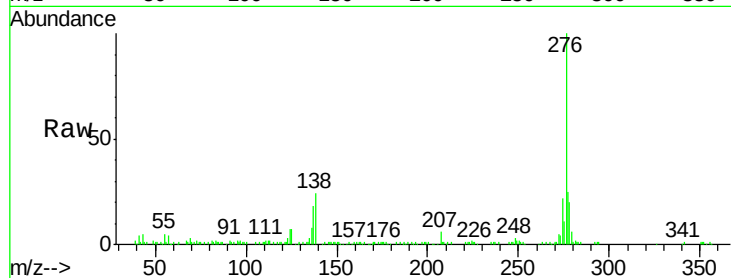
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.27 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.6	38.4#
277	26.9	20.5	30.7

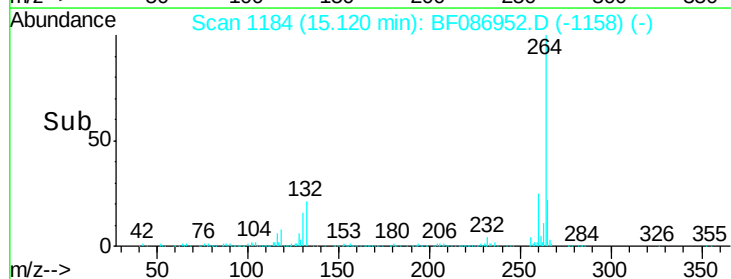
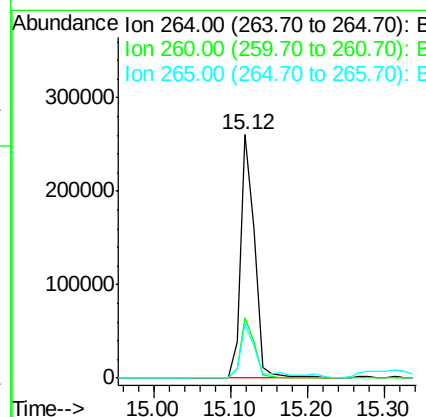
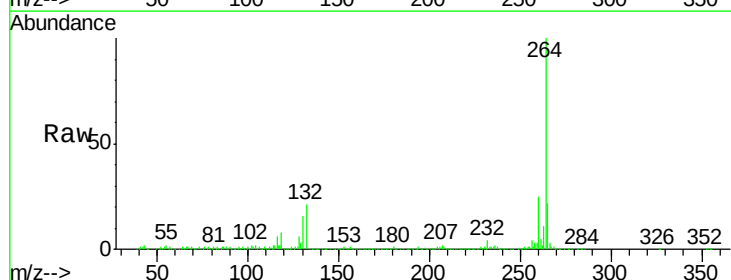
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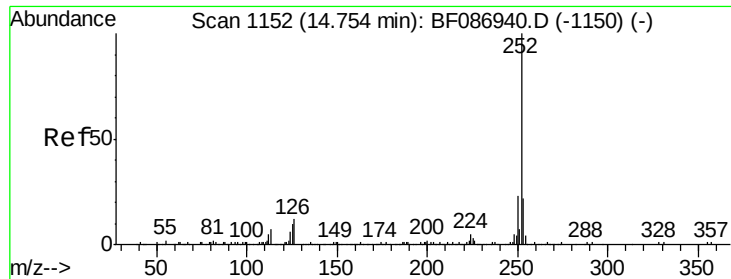
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 16.33 ng m

RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF086952.D

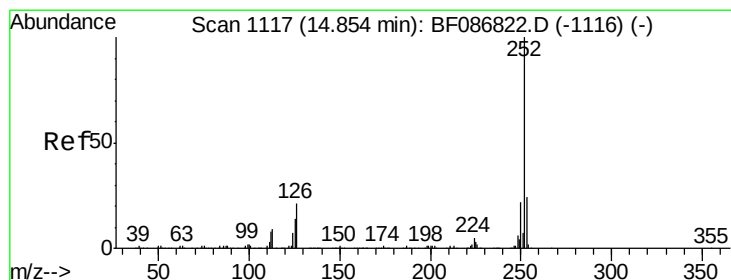
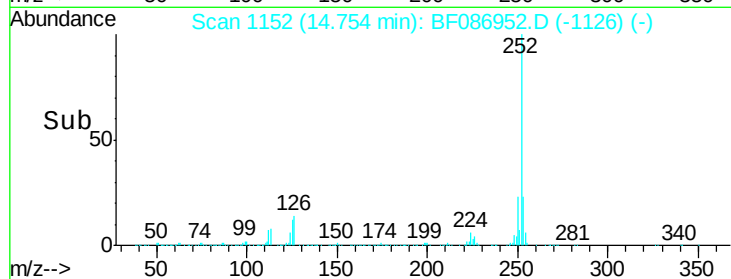
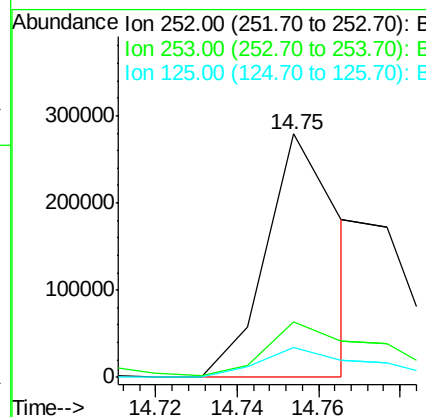
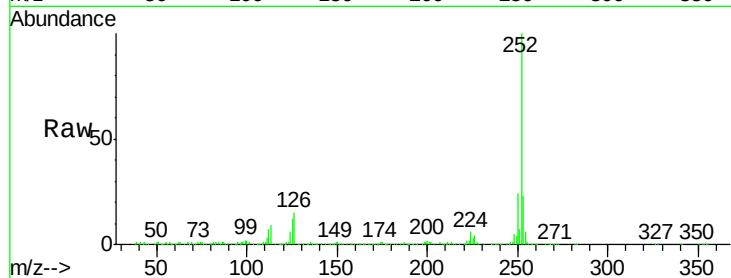
Acq: 13 May 2016 1:45

Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	355400		
253	22.9	17.8	26.6	
125	12.2	11.4	17.0	

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#88

Benzo(k)fluoranthene

Concen: 8.17 ng m

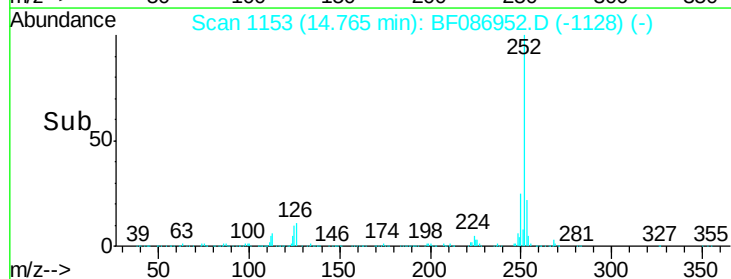
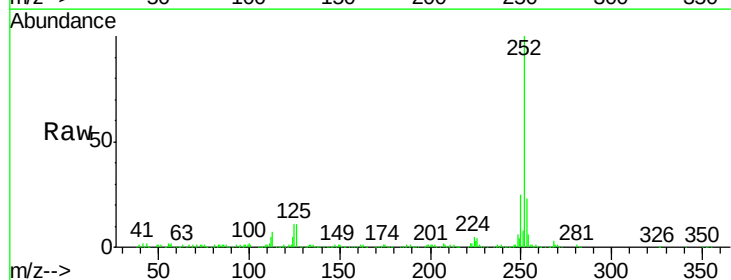
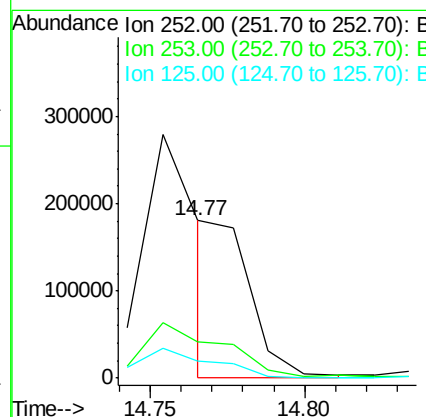
RT: 14.77 min Scan# 1153

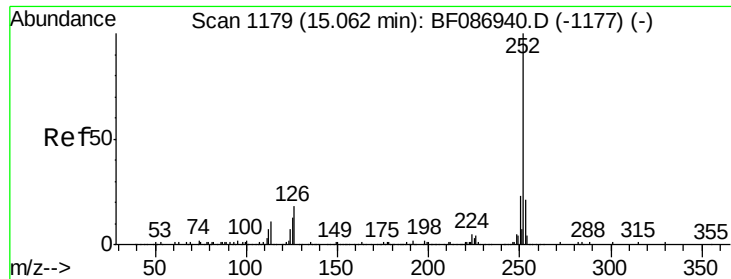
Delta R.T. -0.01 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	145587		
253	22.8	17.8	26.6	
125	10.7	9.1	13.7	





#89

Benzo(a)pyrene

Concen: 13.93 ng m

RT: 15.07 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF086952.D

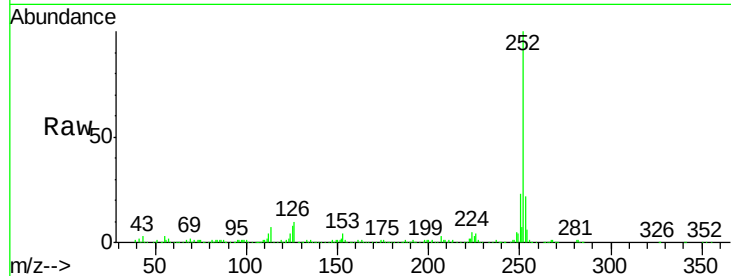
Acq: 13 May 2016 1:45

Instrument :

BNA_F

ClientSampleId :

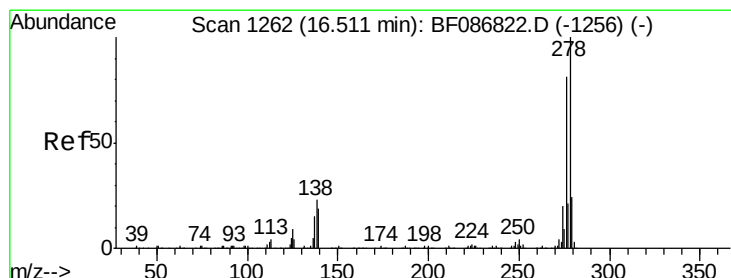
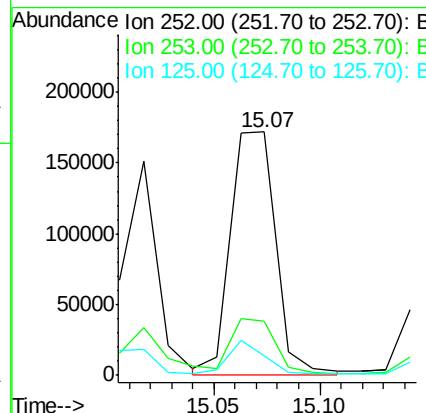
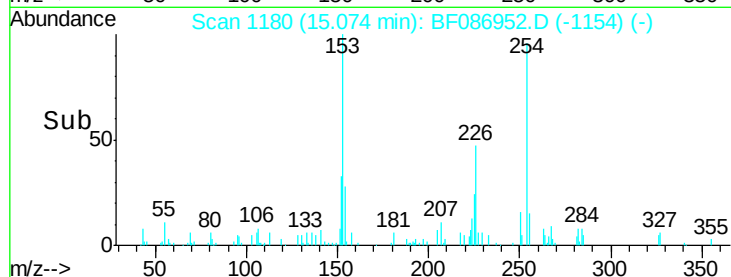
90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	261346		
253	22.1	17.2	25.8	
125	8.2	9.0	13.6	

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#90

Dibenzo(a,h)anthracene

Concen: 2.12 ng

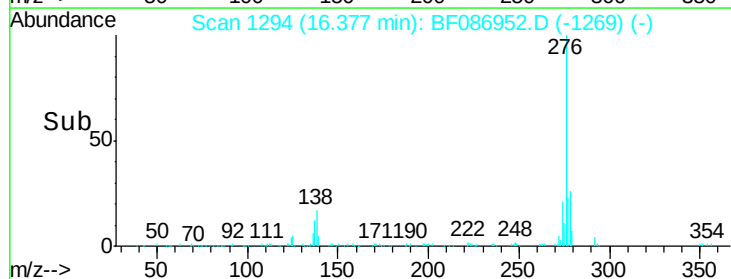
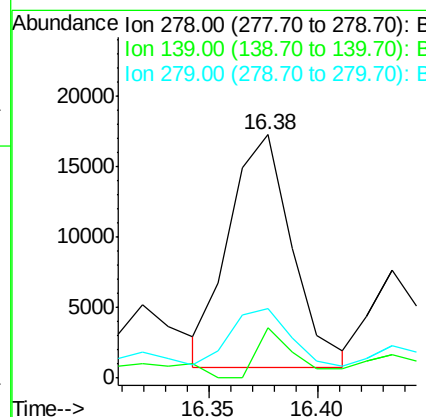
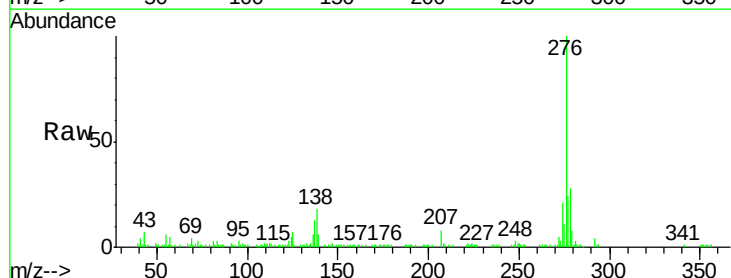
RT: 16.38 min Scan# 1294

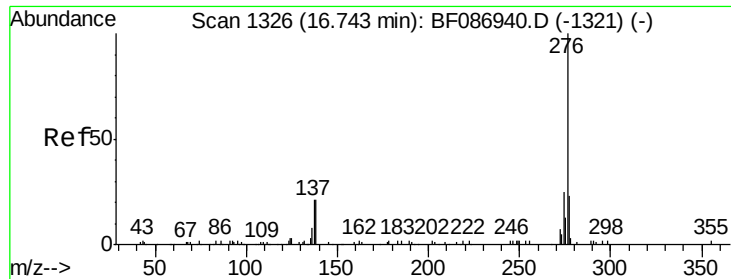
Delta R.T. -0.01 min

Lab File: BF086952.D

Acq: 13 May 2016 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	33478		
139	20.5	16.6	24.8	
279	28.5	19.6	29.4	





#91
 Benzo(g,h,i)perylene
 Concen: 7.32 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF086952.D
 Acq: 13 May 2016 1:45

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.6	19.6	29.4
138	22.5	23.6	35.4

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