

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087141.D
 Acq On : 18 May 2016 9:59
 Operator : UM/SJ
 Sample : H2977-06RE
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: May 18 13:41:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	201881	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	826126	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	339344	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	478249	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	416779	20.00	ng	-0.01
86) Perylene-d12	15.10	264	306111	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1534665	127.77	ng	0.00
7) Phenol-d6	6.27	99	1805697	112.09	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1311251	79.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	337897	90.11	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	1773981	86.58	ng	-0.01
78) Terphenyl-d14	12.70	244	1056158	57.32	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.15	77	53570	4.69	ng	94
49) Dimethylphthalate	9.37	163	467920	18.08	ng	99
70) Phenanthrene	11.13	178	238322	9.19	ng	99
71) Anthracene	11.19	178	66969	2.55	ng	98
74) Fluoranthene	12.32	202	769980	29.63	ng	96
77) Pyrene	12.55	202	715155	23.75	ng	99
80) Benzo(a)anthracene	13.74	228	356287	14.78	ng	98
82) Chrysene	13.77	228	300853m	12.90	ng	
83) Bis(2-ethylhexyl)phthalate	13.74	149	37880	2.45	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.34	276	129390	6.32	ng	# 89
87) Benzo(b)fluoranthene	14.73	252	427368m	21.04	ng	
88) Benzo(k)fluoranthene	14.75	252	54895m	3.63	ng	
89) Benzo(a)pyrene	15.05	252	236613	13.94	ng	97
91) Benzo(a,h,i)perylene	16.72	276	113450	7.86	ng	# 90

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

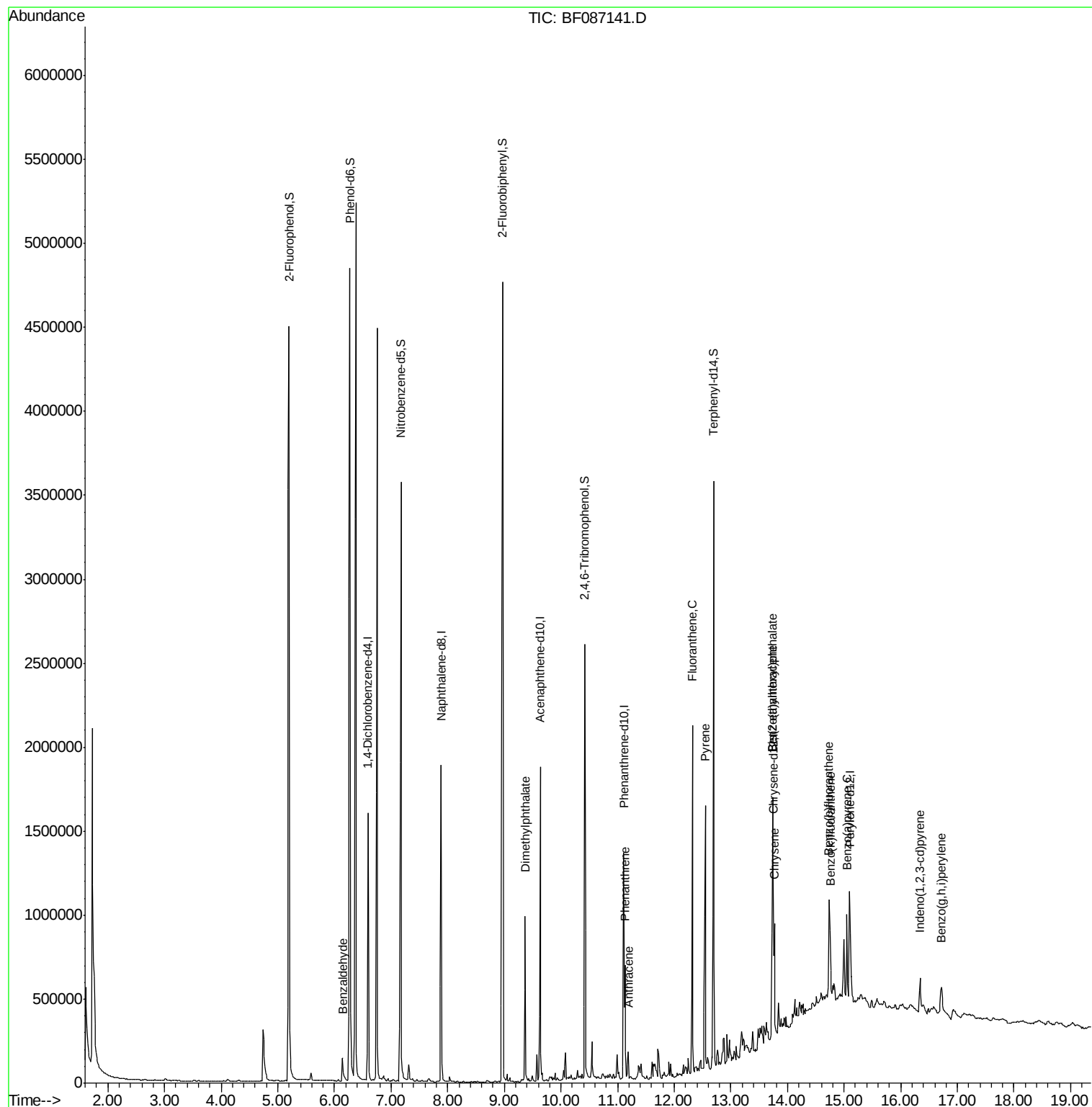
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
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ALS Vial : 43 Sample Multiplier: 1

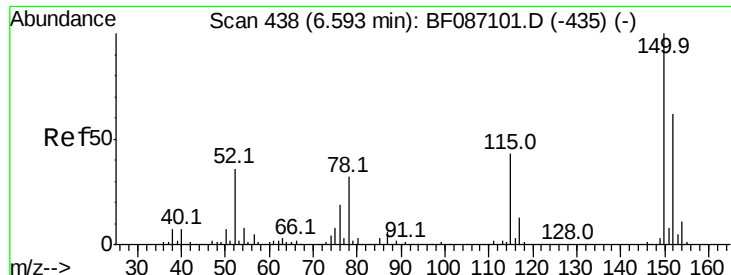
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QLast Update : Tue May 17 16:55:01 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:152 Resp: 201881

Ion Ratio Lower Upper

152 100

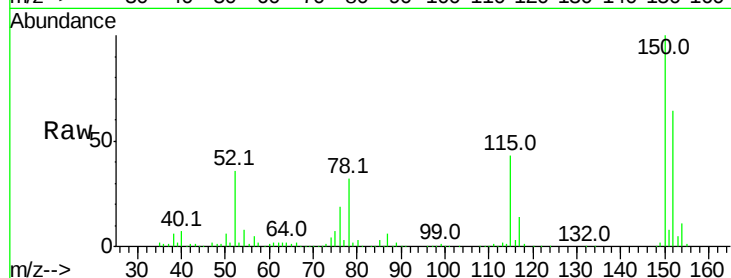
150 155.6 125.8 188.6

115 67.4 51.5 77.3

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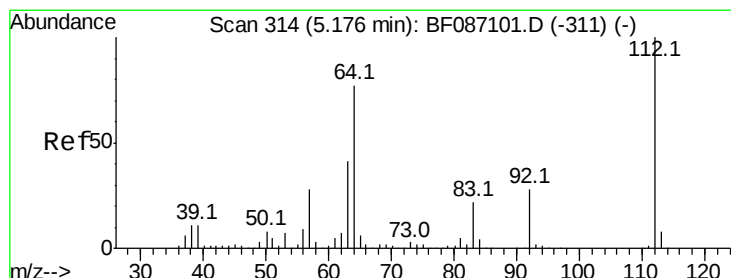
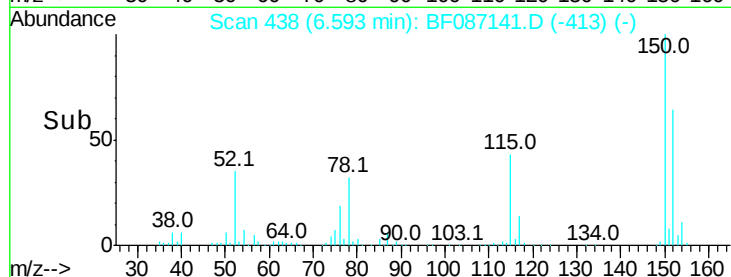
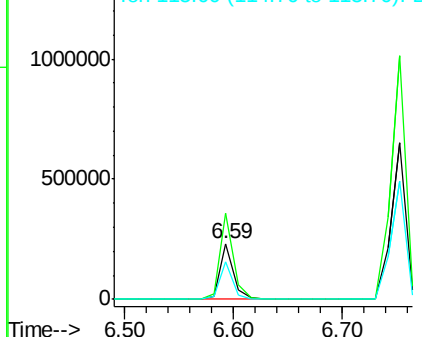
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 127.77 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

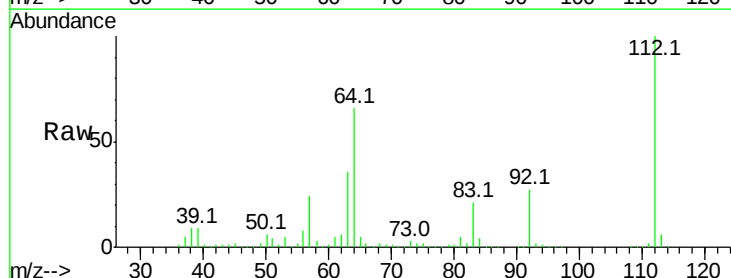
Tgt Ion:112 Resp: 1534665

Ion Ratio Lower Upper

112 100

64 66.2 52.1 78.1

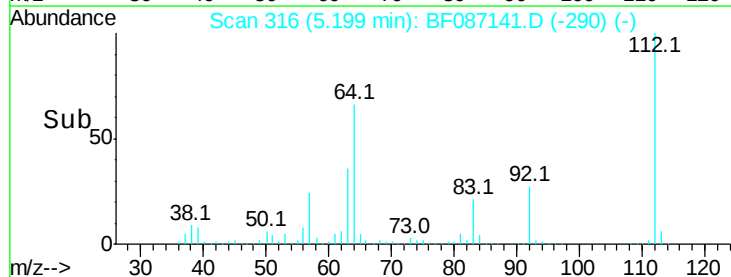
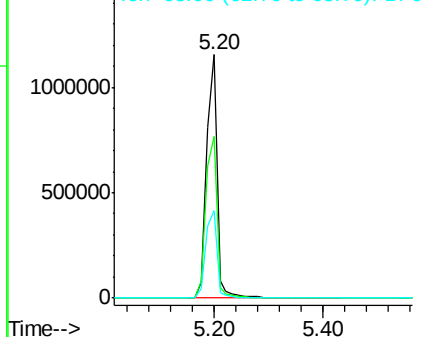
63 36.0 25.7 38.5

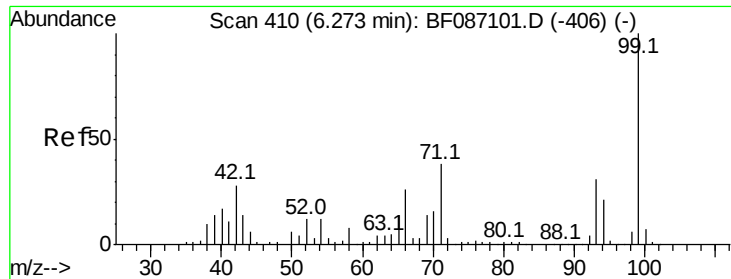


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.09 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion: 99 Resp: 1805697

Ion Ratio Lower Upper

99 100

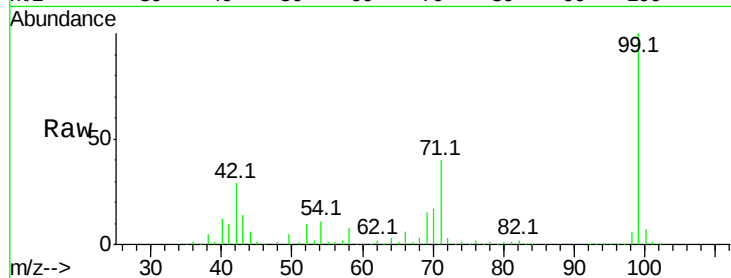
42 28.5 13.6 20.4#

71 39.5 24.6 36.8#

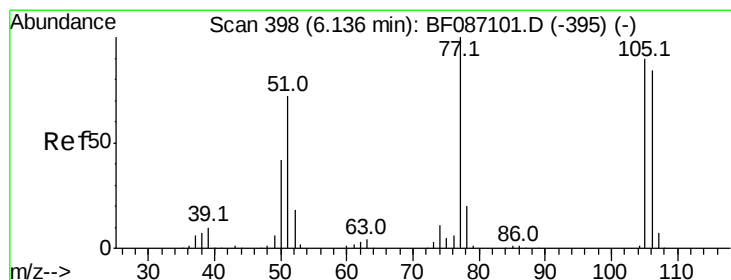
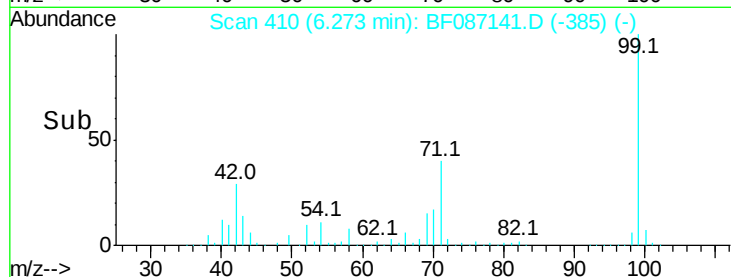
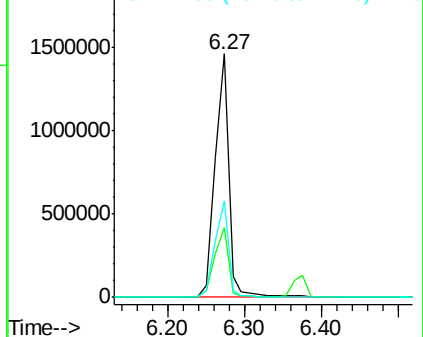
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.69 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

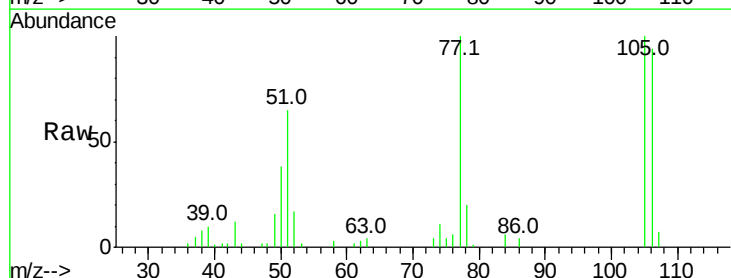
Tgt Ion: 77 Resp: 53570

Ion Ratio Lower Upper

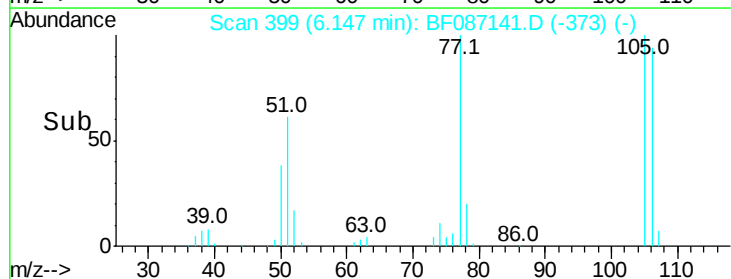
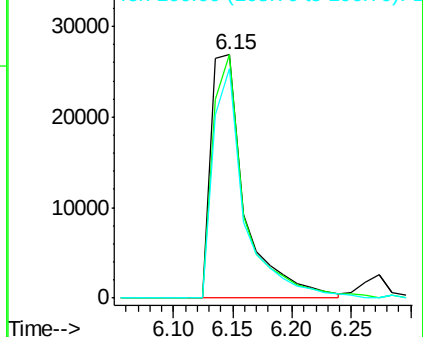
77 100

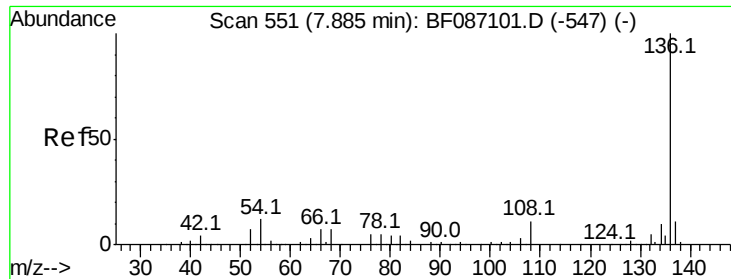
105 99.9 72.7 112.7

106 94.1 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





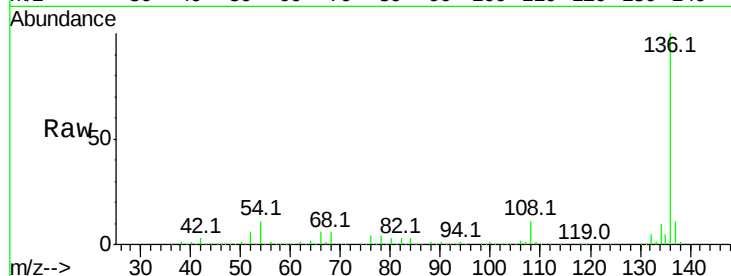
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

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

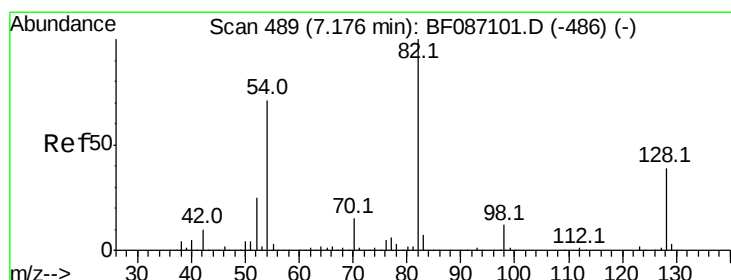
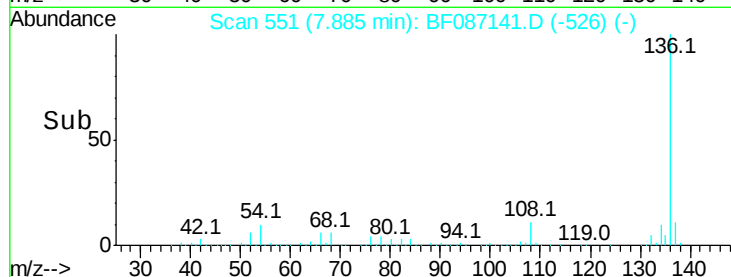
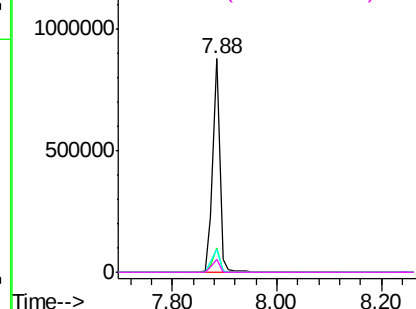
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.8	13.2	
54	10.5	5.0	7.4#	
68	5.7	4.4	6.6	

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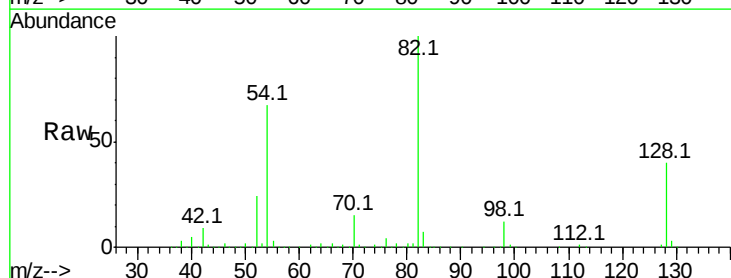


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

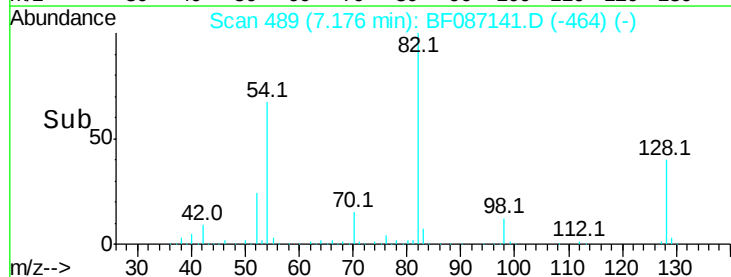
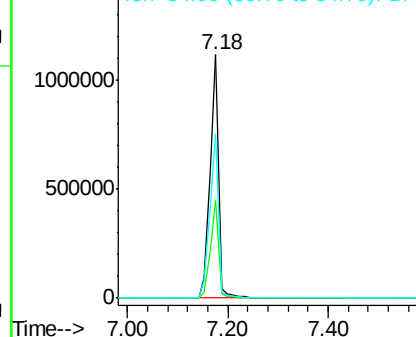


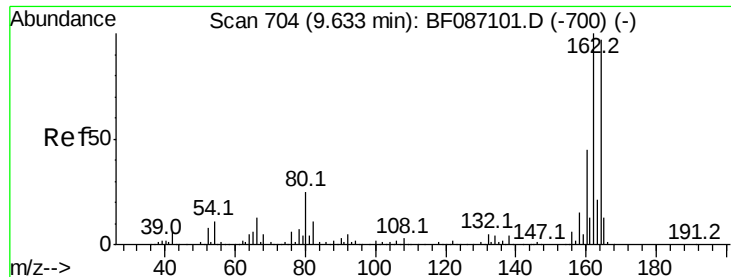
#23
Nitrobenzene-d5
Concen: 79.10 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.0	40.6	61.0#	
54	67.3	38.1	57.1#	



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: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF087141.D

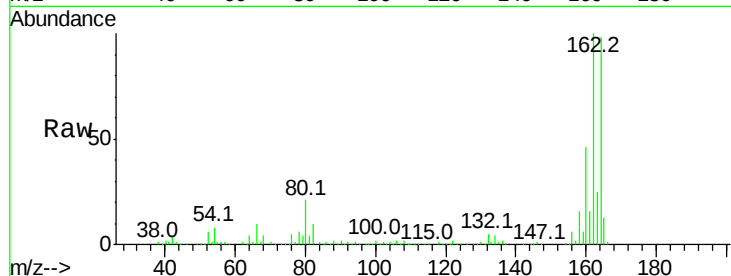
Acq: 18 May 2016 9:59

Instrument :

BNA_F

ClientSampleId :

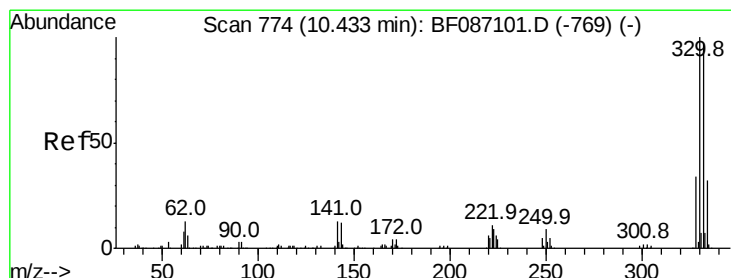
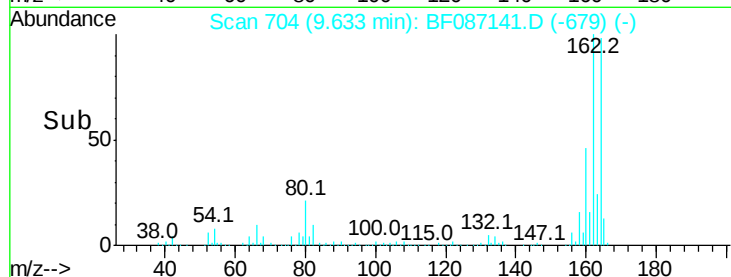
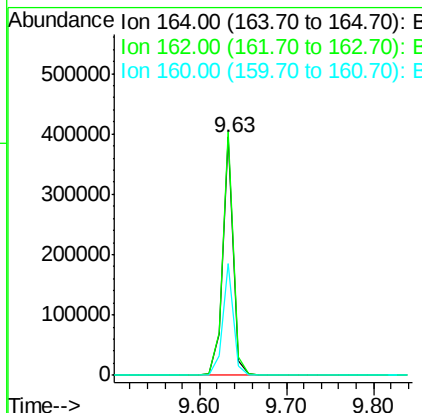
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Tot Ion:	164	Resp:	339344
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.8	124.2
160	46.9	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 90.11 ng

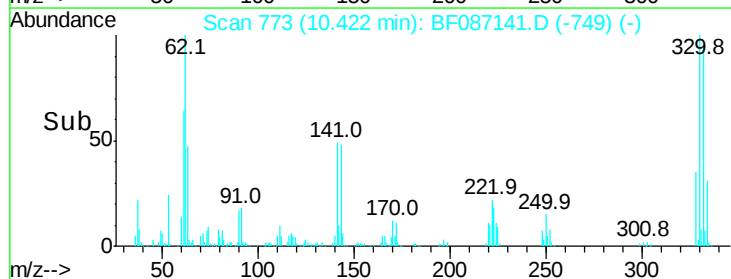
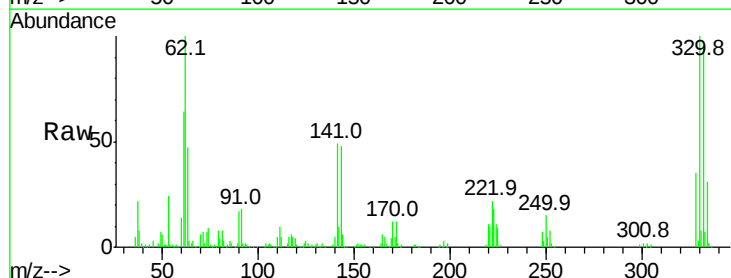
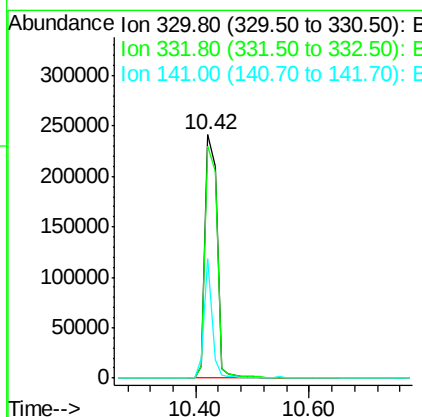
RT: 10.42 min Scan# 773

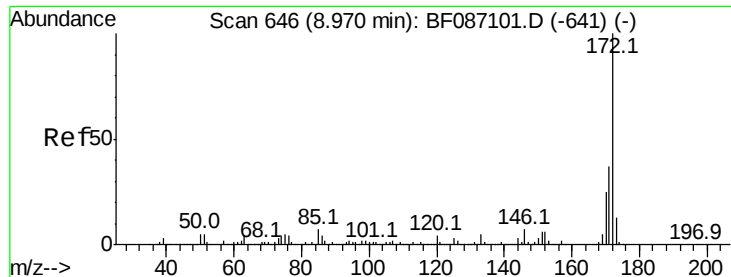
Delta R.T. -0.02 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Tgt Ion:	330	Resp:	337897
Ion Ratio	Lower	Upper	
330	100		
332	96.1	79.0	118.4
141	33.5	31.2	46.8





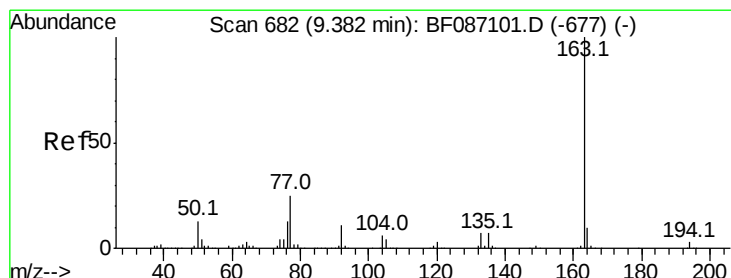
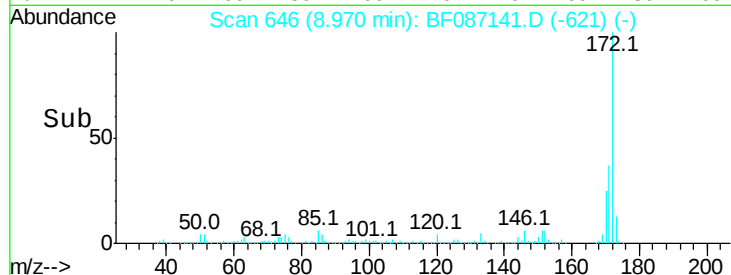
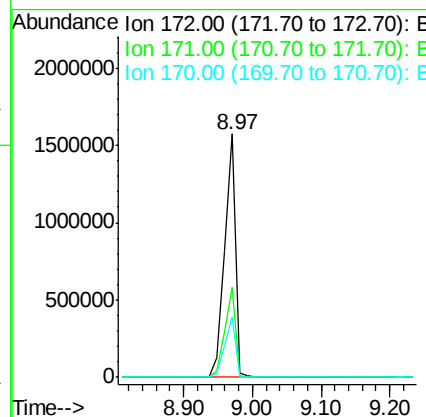
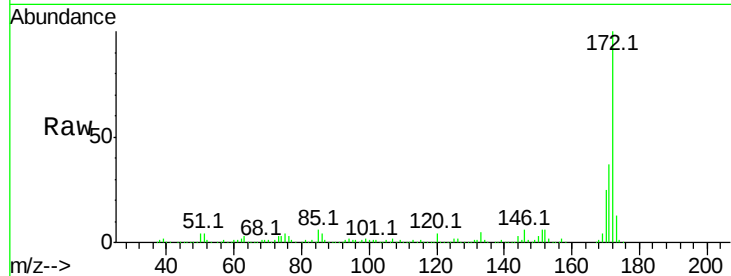
#44
2-Fluorobiphenyl
Concen: 86.58 ng
RT: 8.97 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.6
170	24.9	19.8	29.8

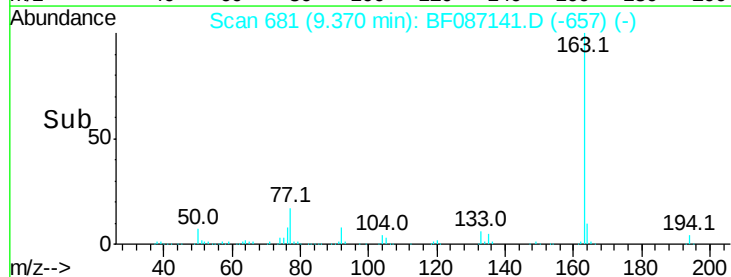
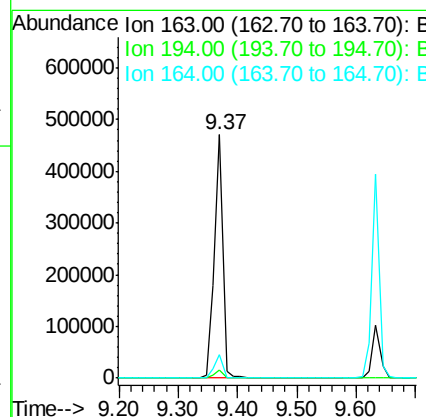
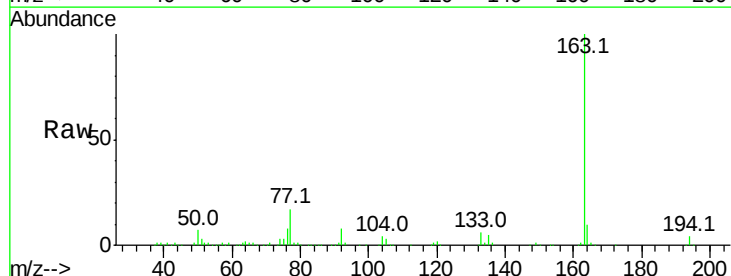
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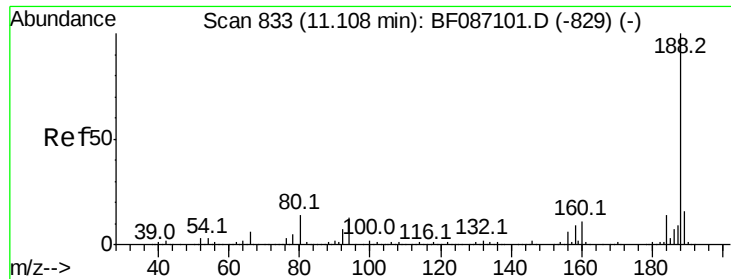
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#49
Dimethylphthalate
Concen: 18.08 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.8	8.2	12.4





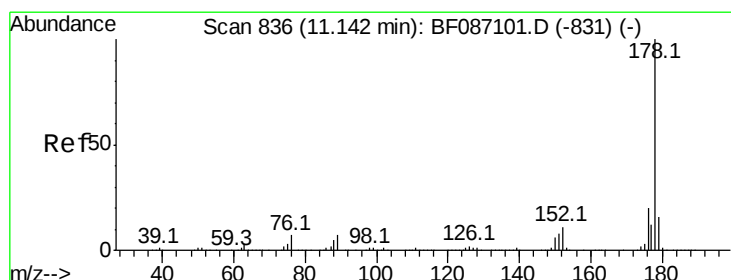
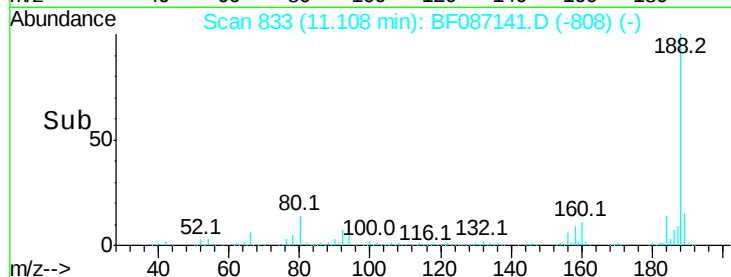
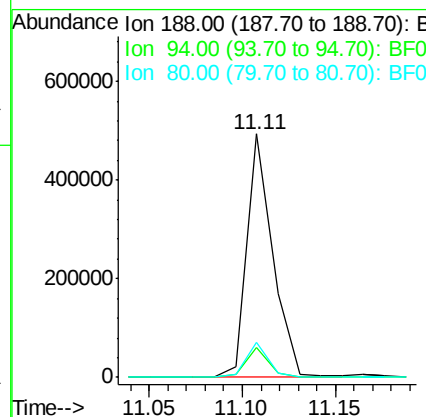
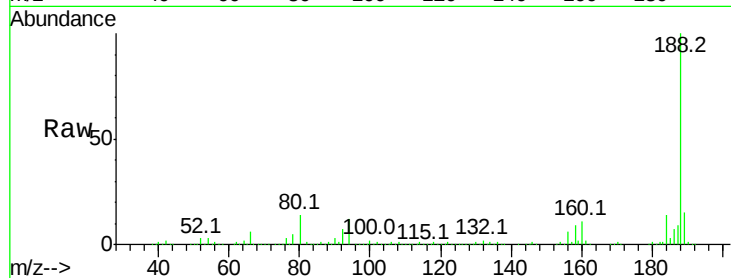
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

Instrument :
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90TH-AVE-SB-11-0.5-6.0RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.4	6.8	10.2#	
80	14.2	7.1	10.7#	

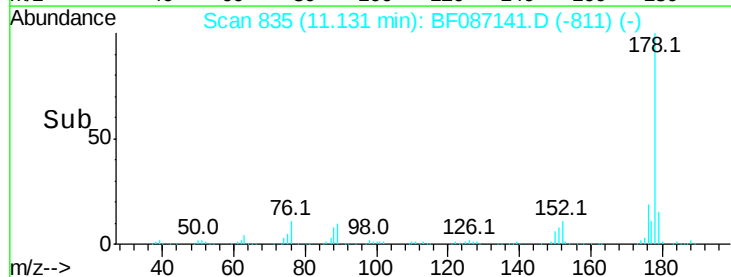
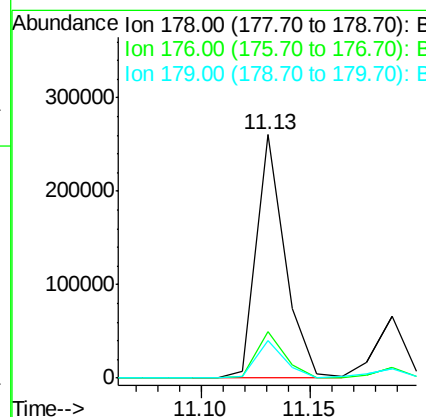
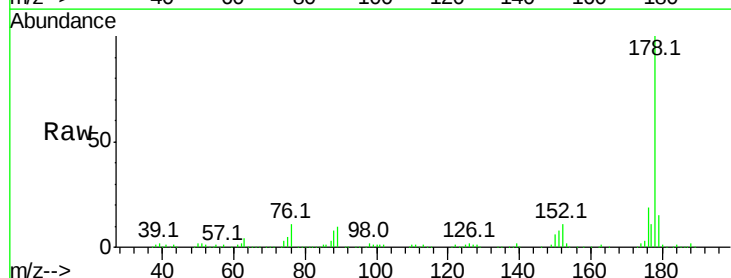
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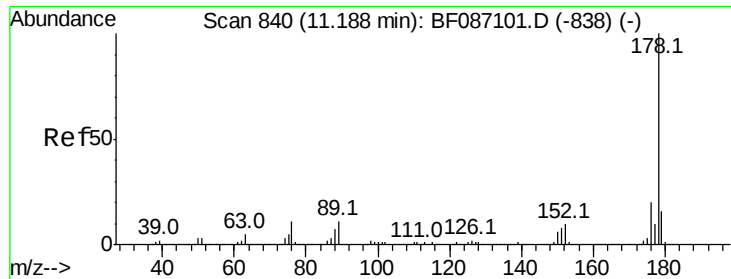
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#70
Phenanthrene
Concen: 9.19 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	16.0	24.0	
179	15.3	12.6	18.8	





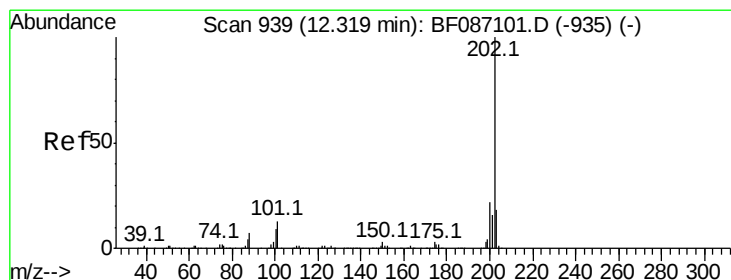
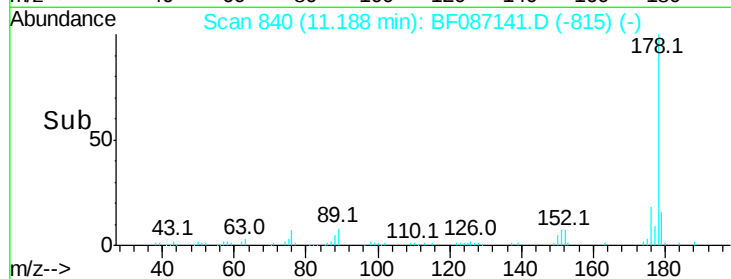
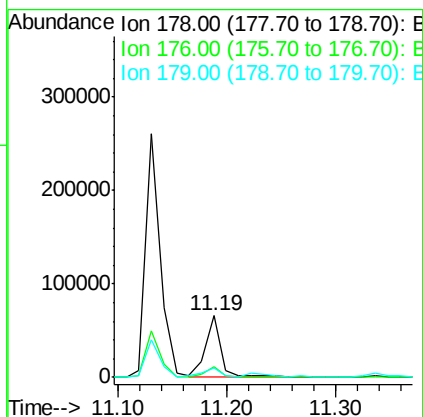
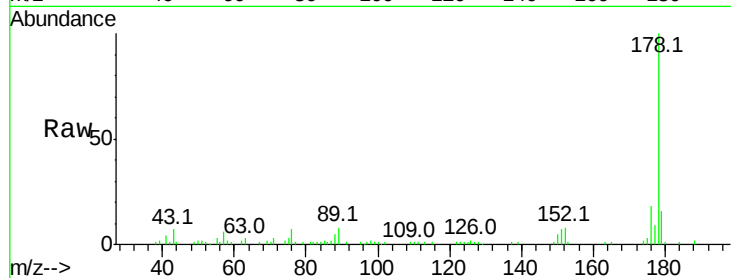
#71
 Anthracene
 Concen: 2.55 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF087141.D
 Acq: 18 May 2016 9:59

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.6	12.7	19.1

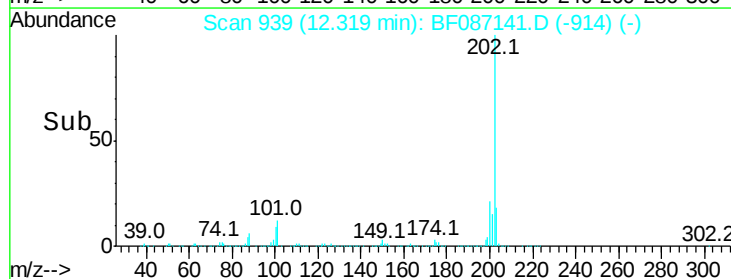
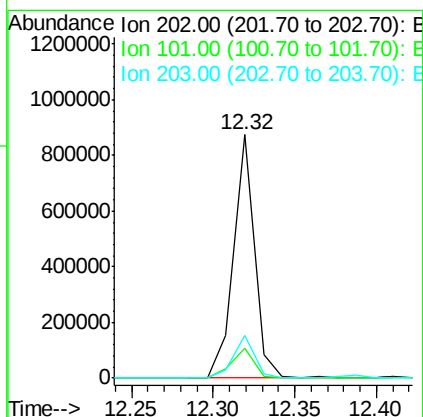
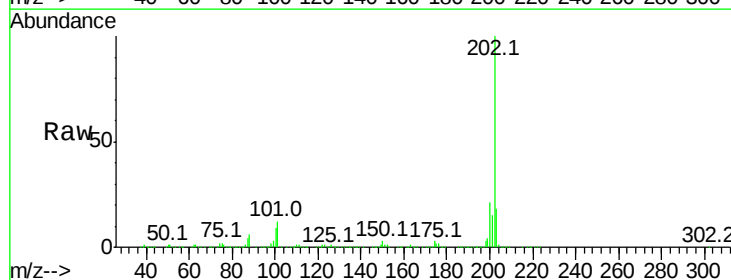
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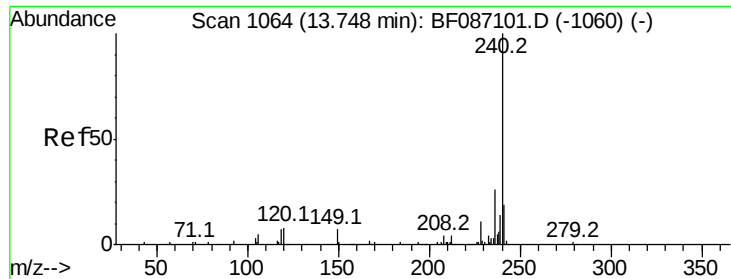
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#74
 Fluoranthene
 Concen: 29.63 ng
 RT: 12.32 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF087141.D
 Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	35.4
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

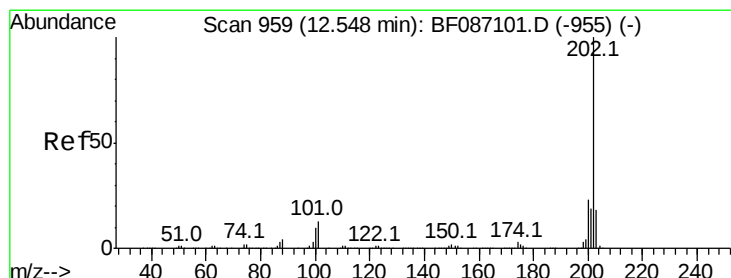
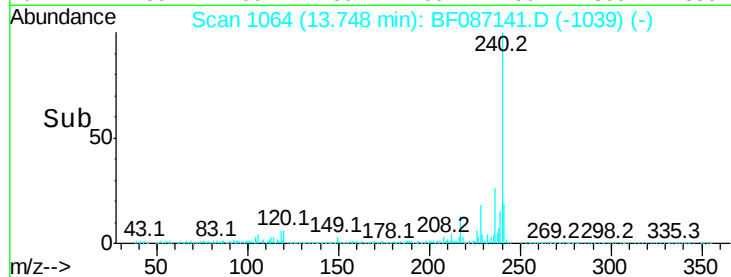
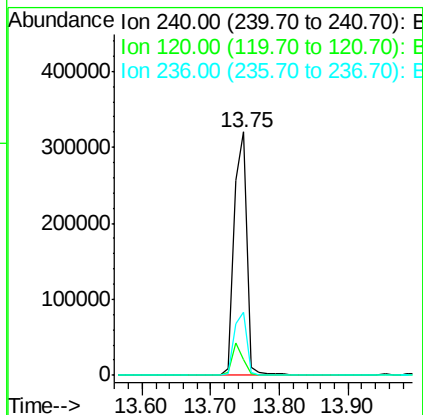
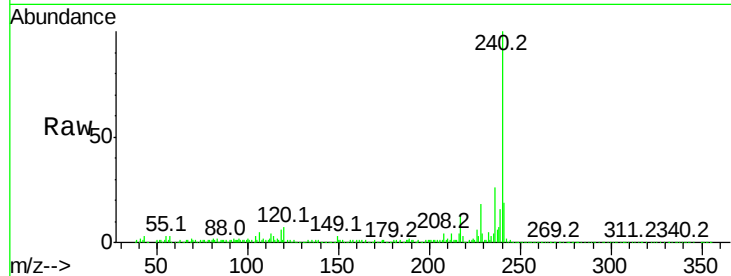
ClientSampleId :

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

Tot Ion:	240	Resp:	416779
Ion Ratio	Lower	Upper	
240	100		
120	6.6	11.2	16.8#
236	26.0	21.2	31.8

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#77

Pyrene

Concen: 23.75 ng

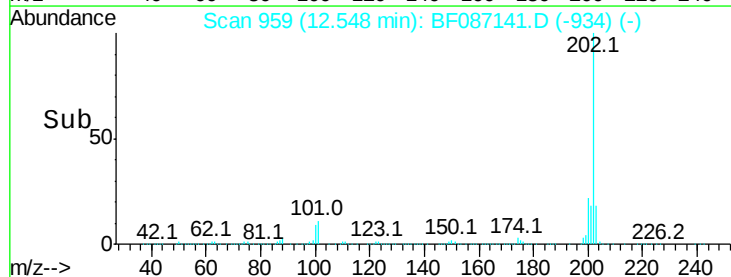
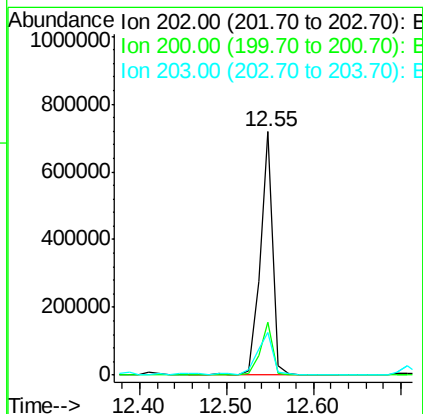
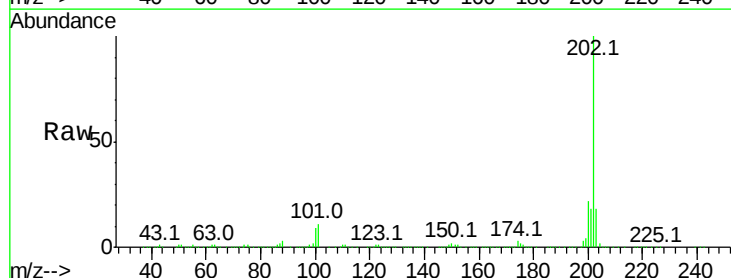
RT: 12.55 min Scan# 959

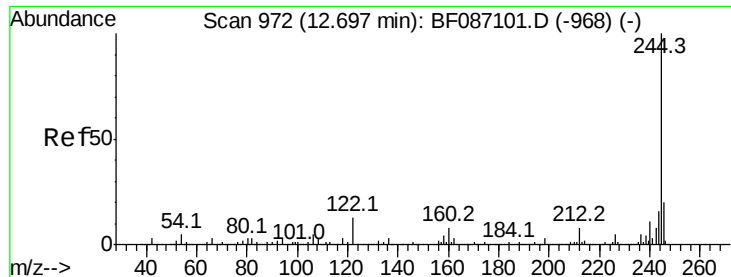
Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Tgt Ion:	202	Resp:	715155
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	17.7	14.2	21.4





#78

Terphenyl-d14

Concen: 57.32 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

ClientSampleId :

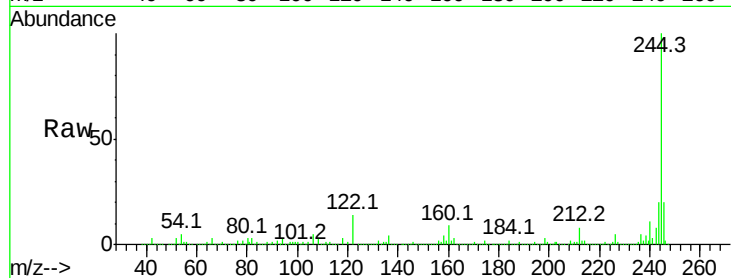
90TH-AVE-SB-11-0.5-6.0RE

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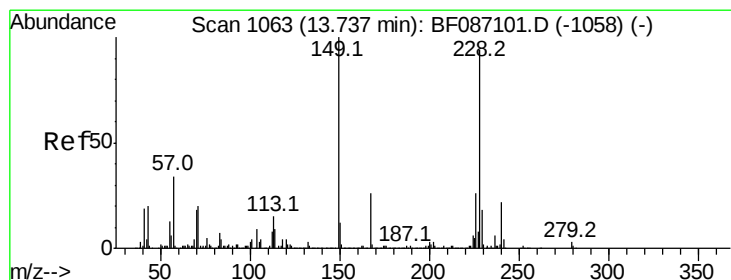
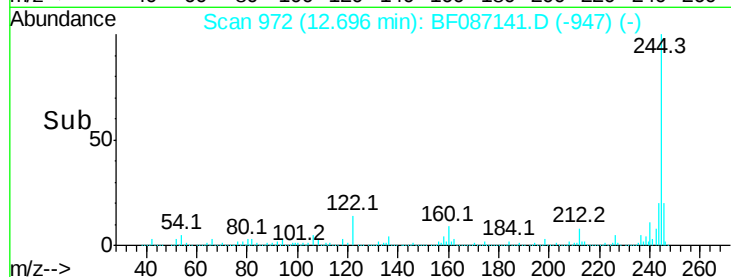
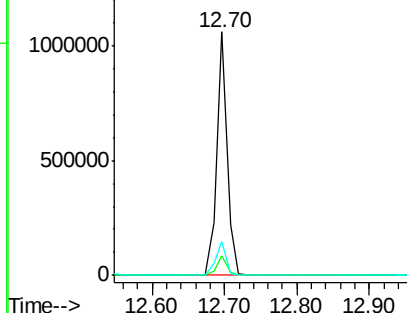
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Tot Ion:	244	Resp:	1056158
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	13.9	12.0	18.0



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: 14.78 ng

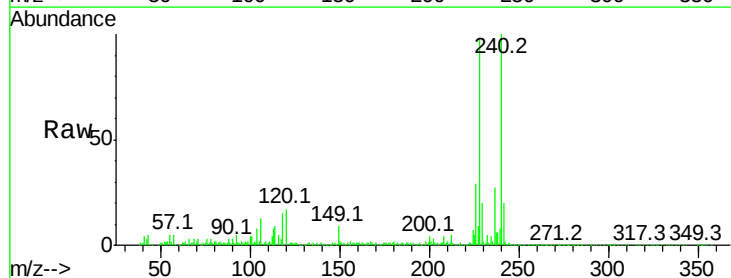
RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

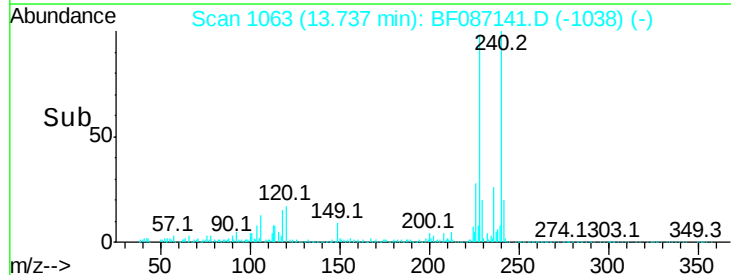
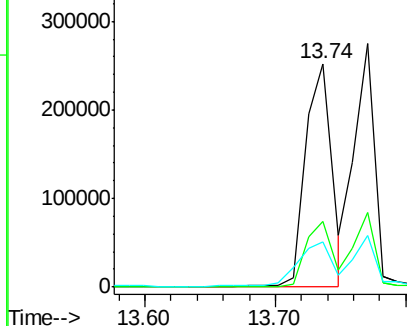
Lab File: BF087141.D

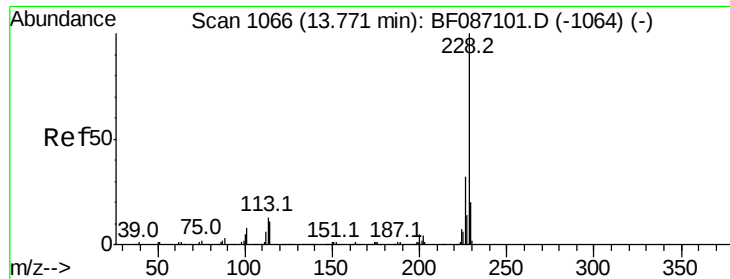
Acq: 18 May 2016 9:59

Tgt Ion:	228	Resp:	356287
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.5	33.7
229	20.4	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: 12.90 ng/mL

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

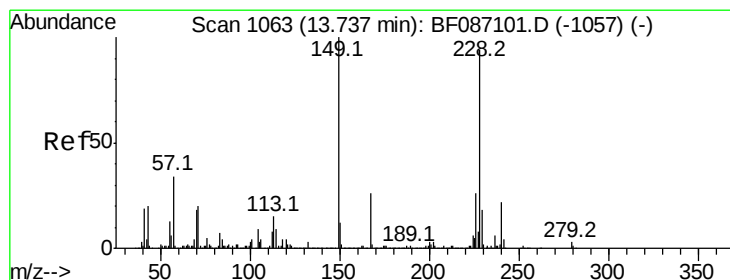
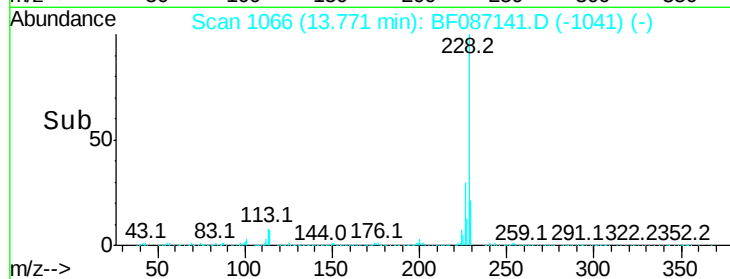
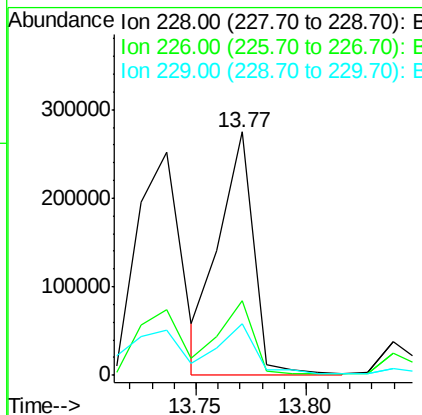
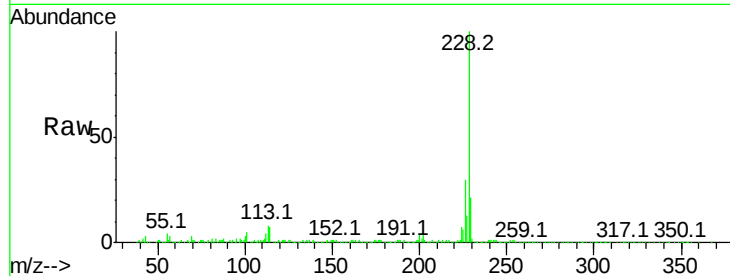
ClientSampleId :

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

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Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	21.4	15.8	23.8



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.45 ng/mL

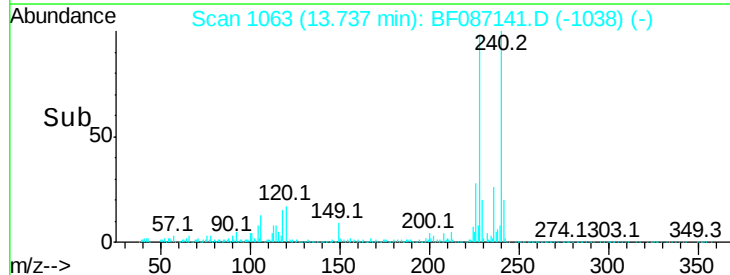
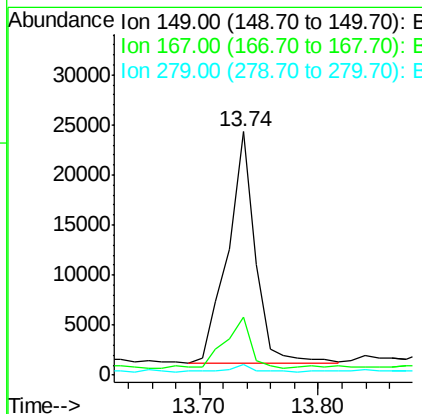
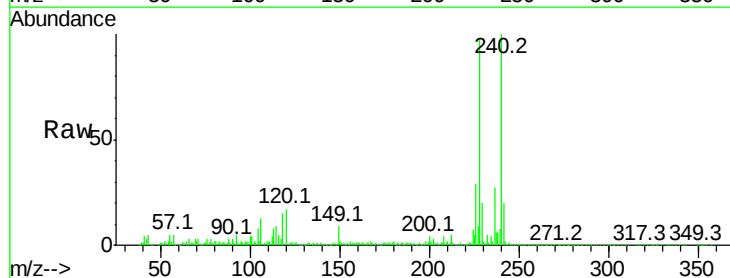
RT: 13.74 min Scan# 1063

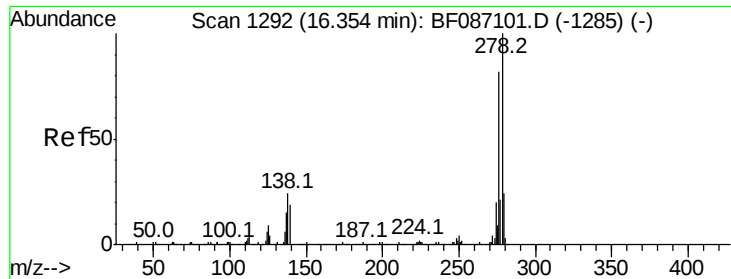
Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.7	21.8	32.6
279	4.2	2.6	4.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.32 ng

RT: 16.34 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

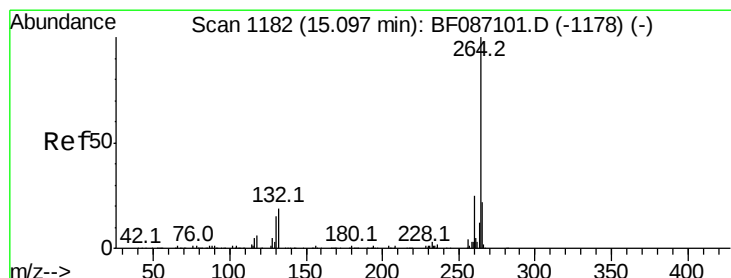
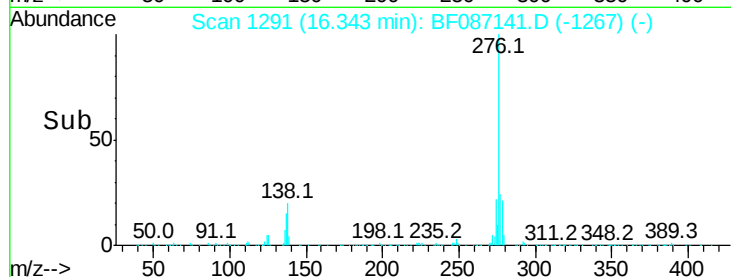
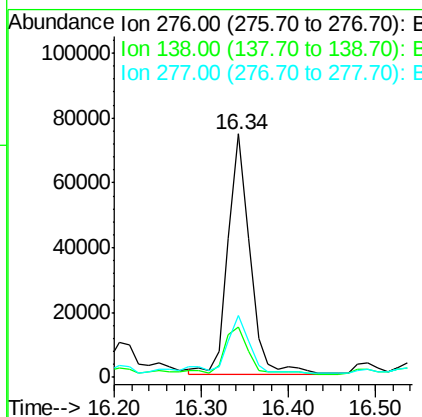
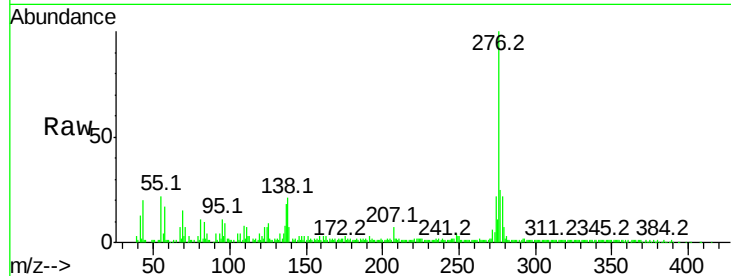
ClientSampleId :

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

Tot Ion:	276	Resp:	129390
Ion Ratio	Lower	Upper	
276	100		
138	23.3	25.6	38.4#
277	28.4	20.5	30.7

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#86

Perylene-d12

Concen: 20.00 ng

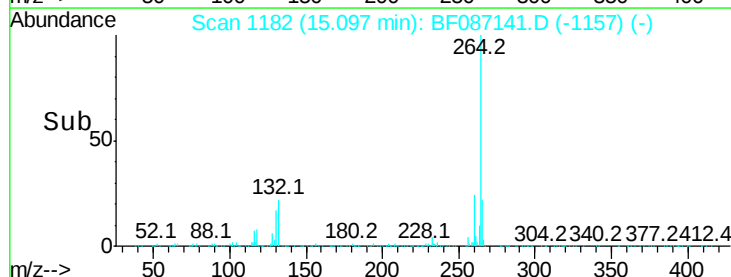
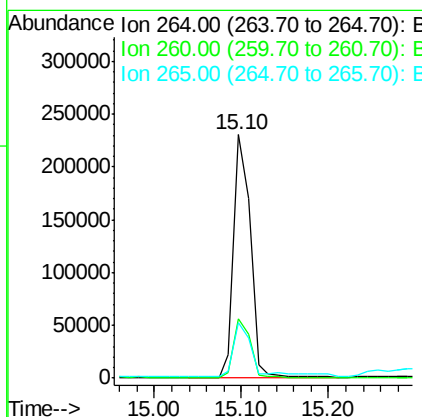
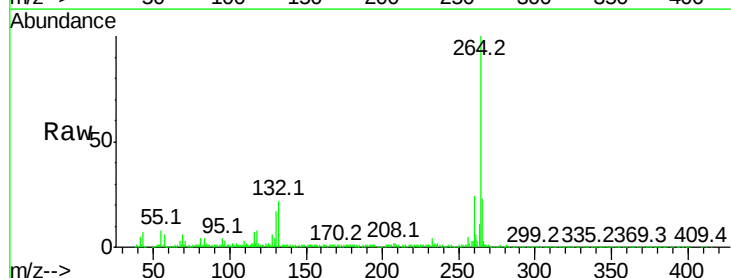
RT: 15.10 min Scan# 1182

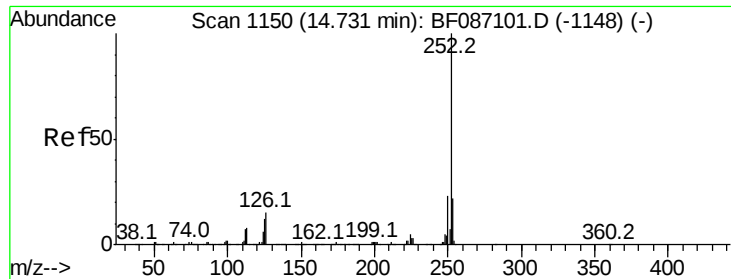
Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Tgt Ion:	264	Resp:	306111
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	22.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 21.04 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Instrument :

BNA_F

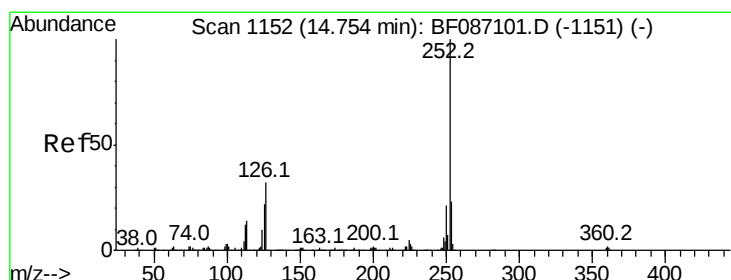
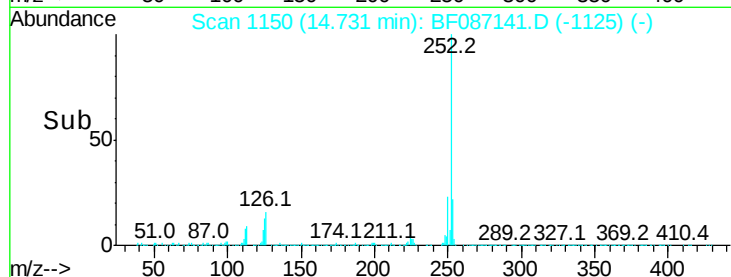
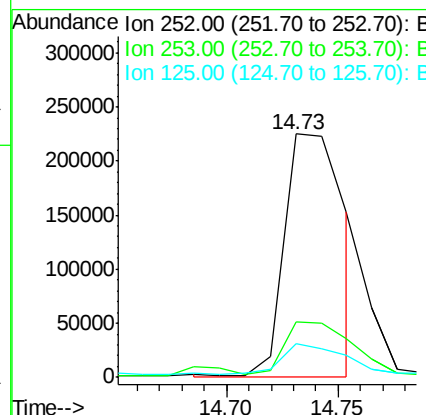
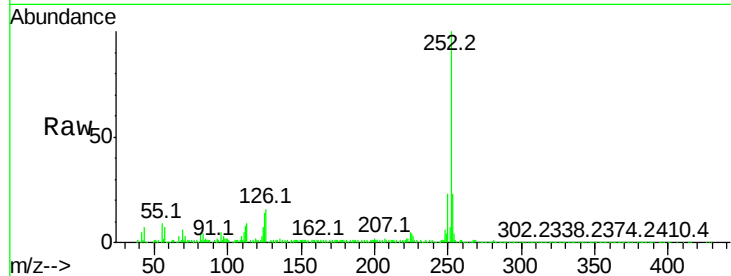
ClientSampleId :

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	427368		
253	22.9		17.8	26.6
125	14.0		11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 3.63 ng m

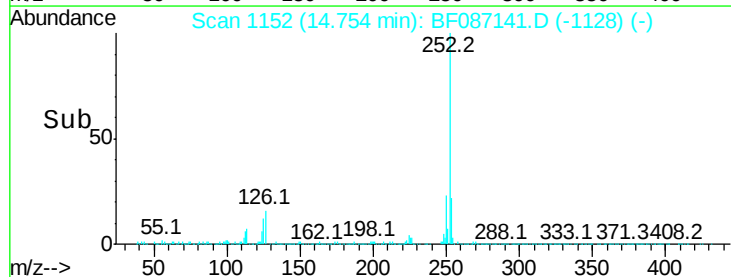
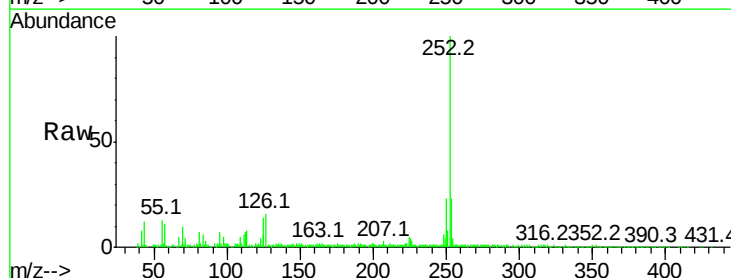
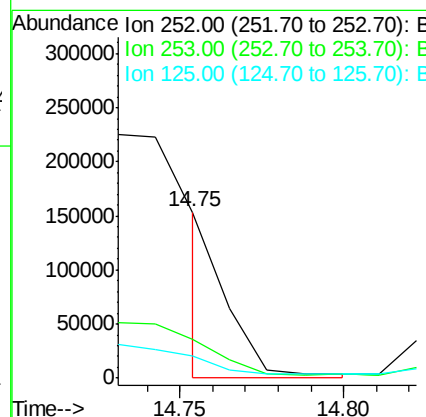
RT: 14.75 min Scan# 1152

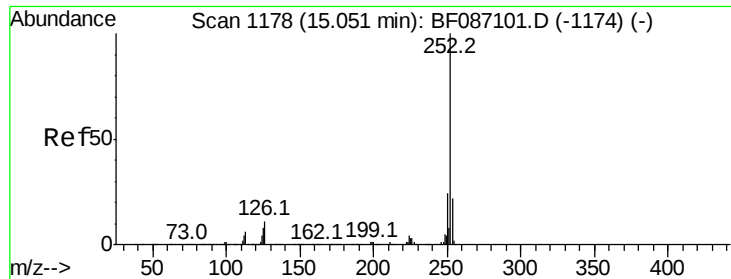
Delta R.T. -0.02 min

Lab File: BF087141.D

Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	54895		
253	23.1		17.8	26.6
125	13.6		9.1	13.7





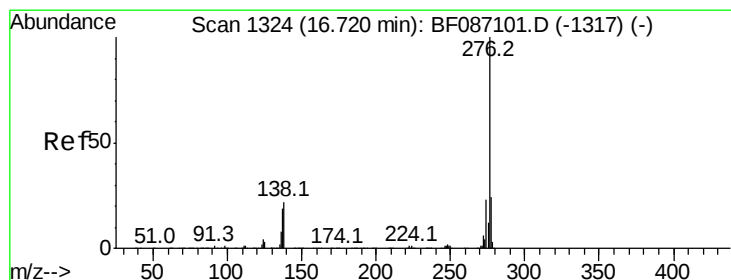
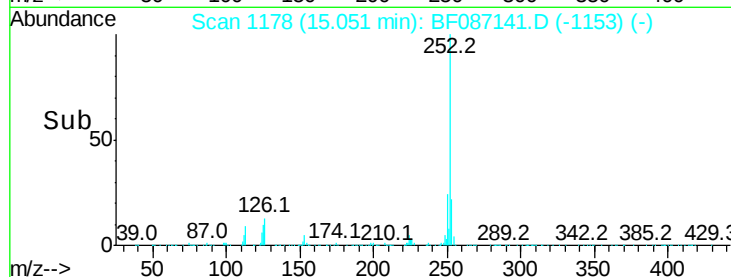
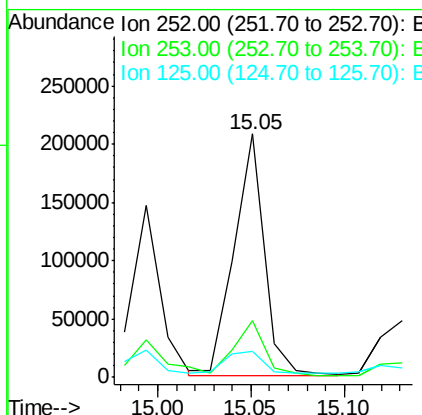
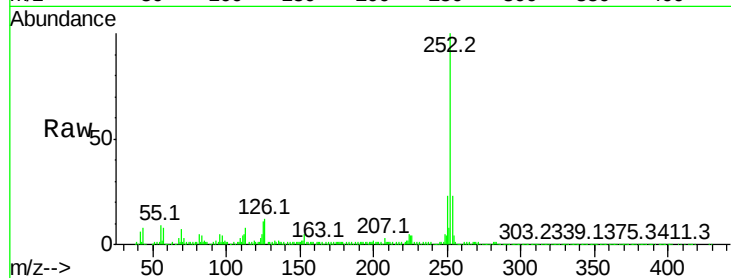
#89
Benzo(a)pyrene
Concen: 13.94 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.3	17.2	25.8	
125	10.5	9.0	13.6	

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#91
Benzo(g,h,i)perylene
Concen: 7.86 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF087141.D
Acq: 18 May 2016 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
277	25.9	19.6	29.4	
138	21.3	23.6	35.4	

