

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086646.D
 Acq On : 3 May 2016 16:00
 Operator : UM/SJ
 Sample : H2685-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-11(6-12FTBGS)

Manual Integrations
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Quant Time: May 04 03:33:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	179298	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	727997	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	330530	20.00	ng	-0.06
63) Phenanthrene-d10	11.28	188	538998	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	340949	20.00	ng	-0.06
86) Perylene-d12	15.30	264	343600	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1597518	153.68	ng	-0.03
7) Phenol-d6	6.40	99	1859586	128.18	ng	-0.05
23) Nitrobenzene-d5	7.32	82	1277435	94.58	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	392224	112.52	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1845164	101.76	ng	-0.06
78) Terphenyl-d14	12.87	244	1270641	82.11	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	439296	17.65	ng	100
51) Acenaphthene	9.82	154	105618	5.01	ng	98
54) Dibenzofuran	10.00	168	73870	2.80	ng	96
57) Fluorene	10.34	166	88481	3.87	ng	99
70) Phenanthrene	11.30	178	1400534	49.51	ng	99
71) Anthracene	11.34	178	358708	11.88	ng	100
72) Carbazole	11.50	167	104800	3.92	ng	100
74) Fluoranthene	12.49	202	1626436	56.96	ng	94
77) Pyrene	12.72	202	1391627	56.64	ng	99
80) Benzo(a)anthracene	13.89	228	653889	35.97	ng	98
82) Chrysene	13.93	228	510827	25.85	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	309931	21.17	ng	# 91
87) Benzo(b)fluoranthene	14.91	252	630638m	31.20	ng	
88) Benzo(k)fluoranthene	14.92	252	289644m	13.74	ng	
89) Benzo(a)pyrene	15.24	252	491059	25.73	ng	95
91) Benzo(g,h,i)perylene	17.03	276	300404	19.19	ng	96

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

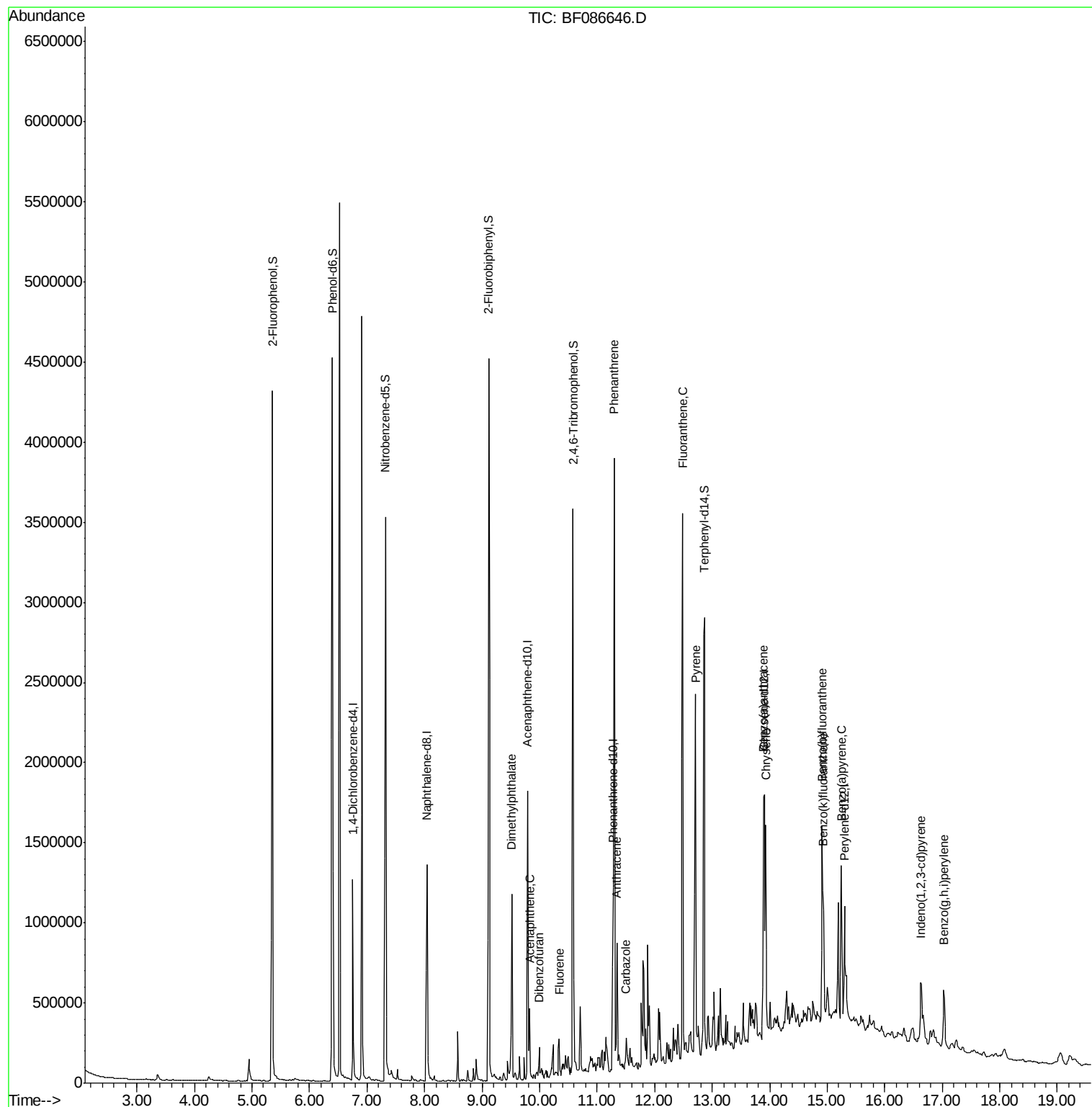
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
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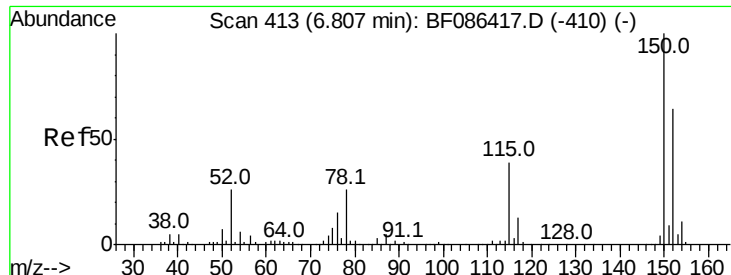
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

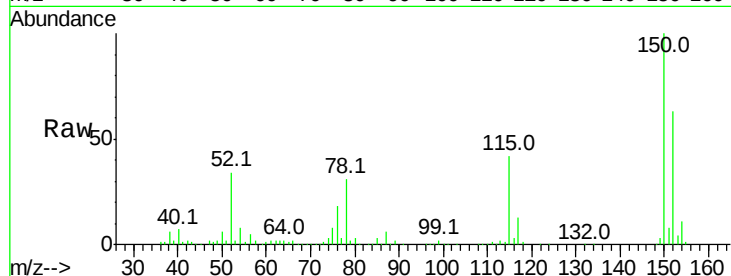
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

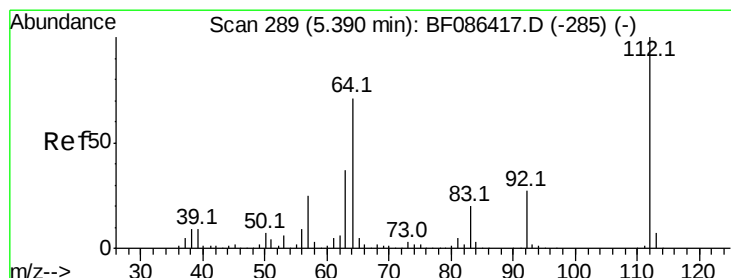
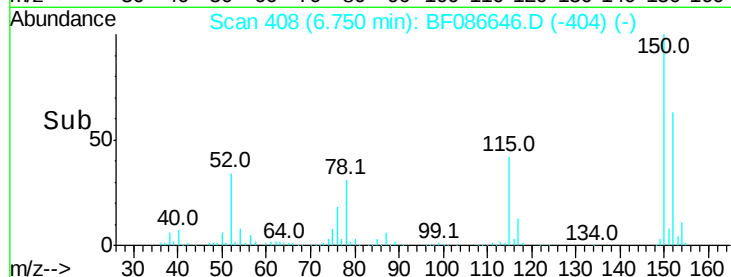
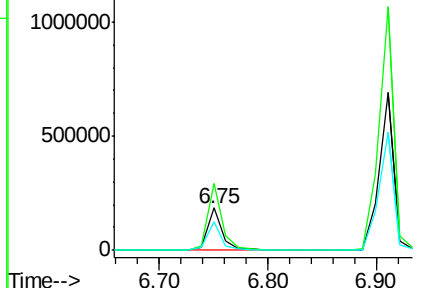
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.8	188.6
115	66.8	51.5	77.3

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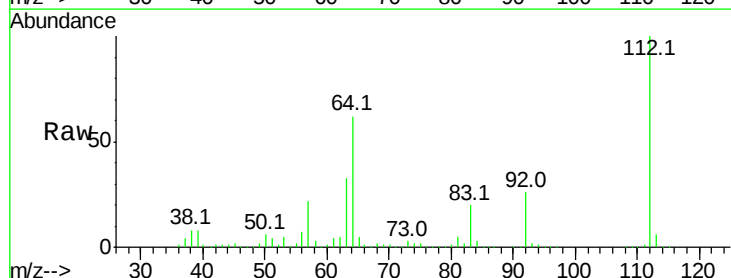
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



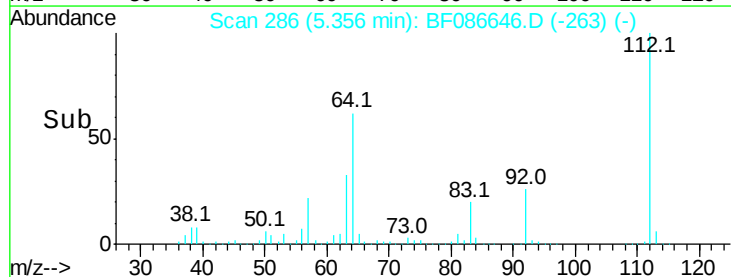
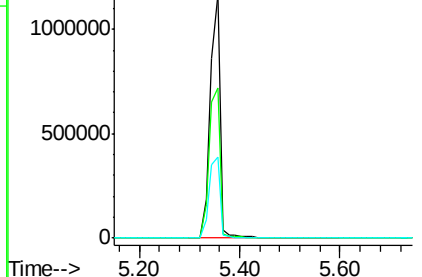
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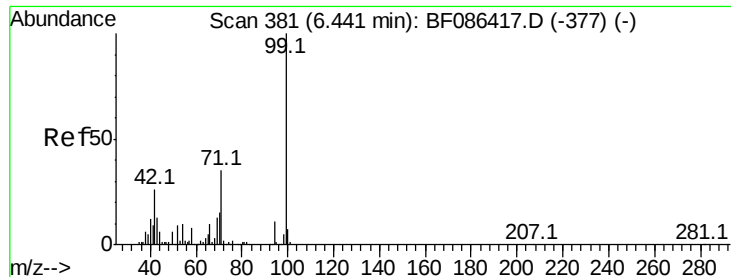
2-Fluorophenol
Concen: 153.68 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.03 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	52.1	78.1
63	33.4	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: 128.18 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Instrument :

BNA_F

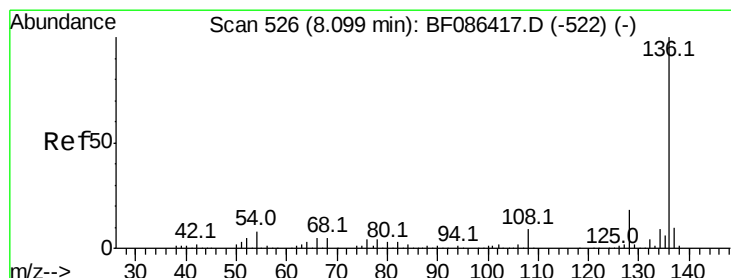
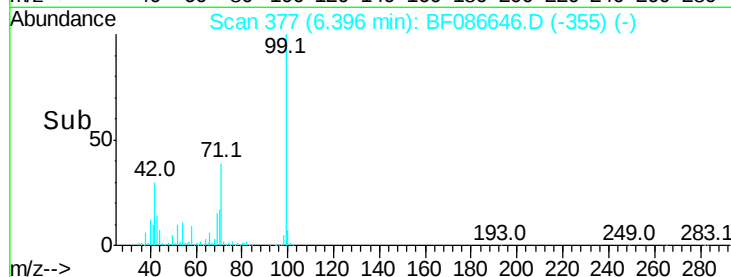
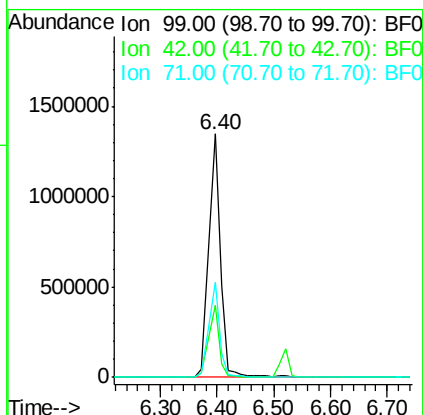
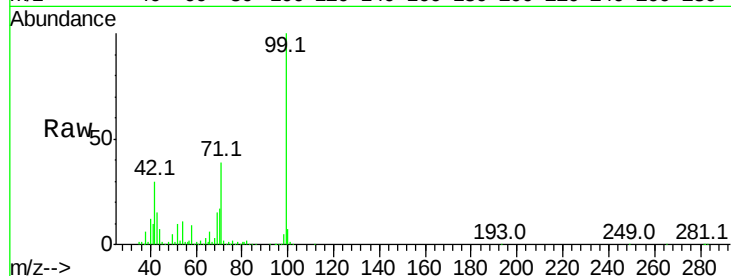
ClientSampleId :

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Tot Ion	99	Resp	1859586
Ion	Ratio	Lower	Upper
99	100		
42	29.8	13.6	20.4#
71	39.1	24.6	36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

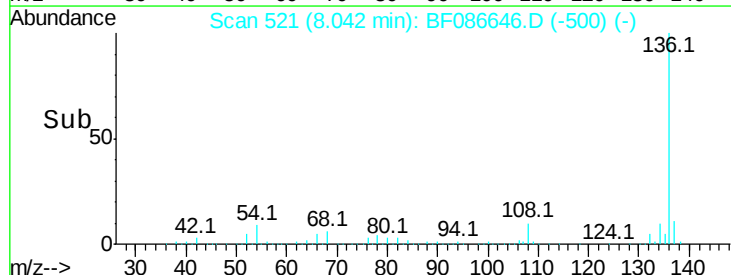
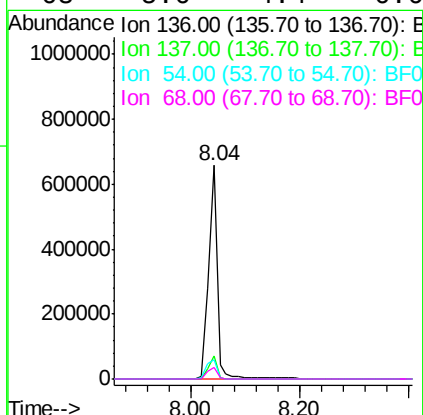
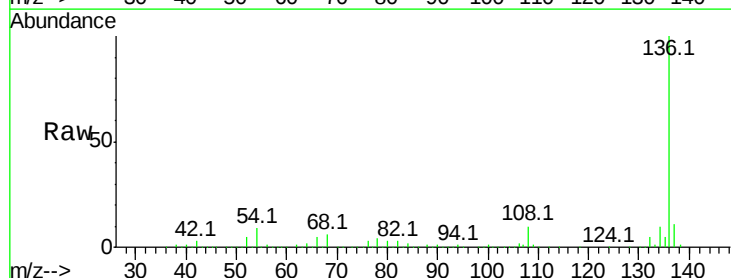
RT: 8.04 min Scan# 521

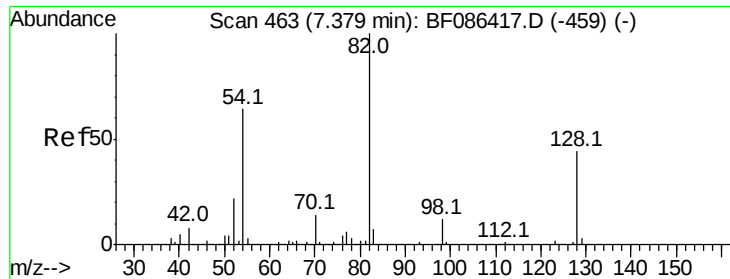
Delta R.T. -0.06 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Tgt Ion	136	Resp	727997
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.2	5.0	7.4#
68	5.6	4.4	6.6





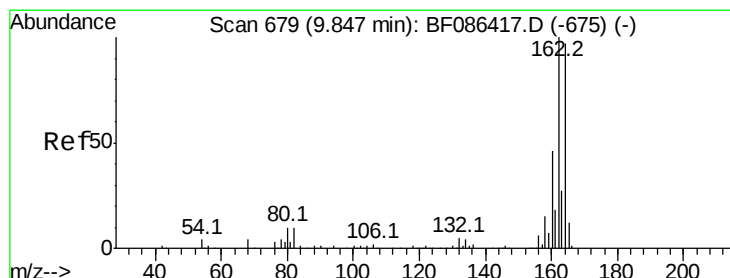
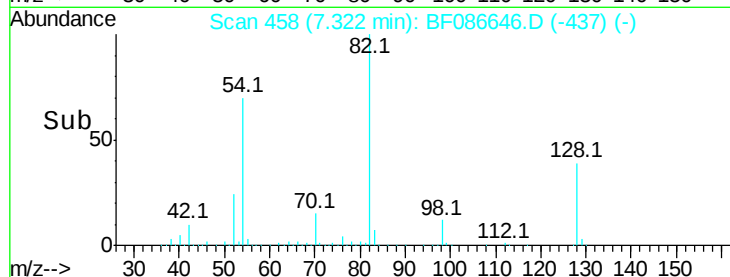
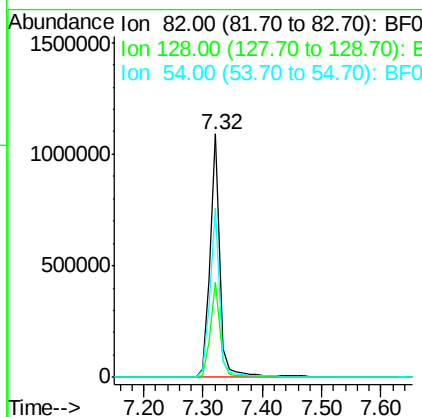
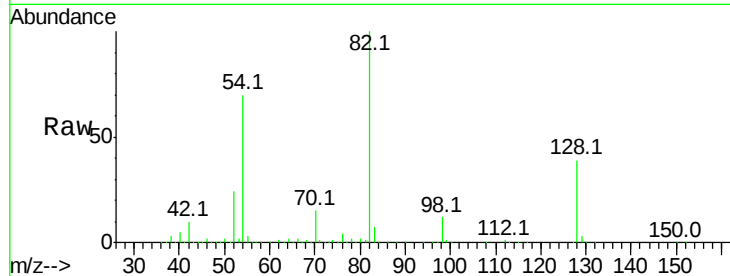
#23
 Nitrobenzene-d5
 Concen: 94.58 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.06 min
 Lab File: BF086646.D
 Acq: 3 May 2016 16:00

Instrument :
 BNA_F
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 26WARD-2A-CS-11(6-12FTBGS)

Tot Ion:	82	Resp:	1277435
Ion	Ratio	Lower	Upper
82	100		
128	39.3	40.6	61.0#
54	69.7	38.1	57.1#

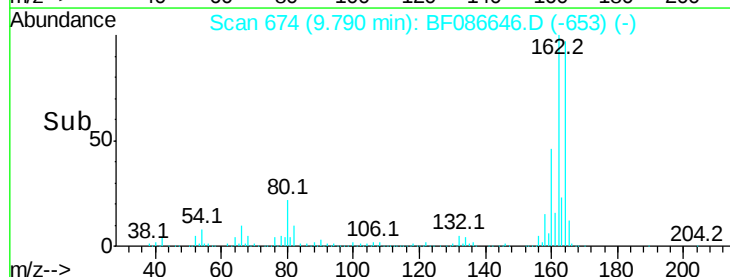
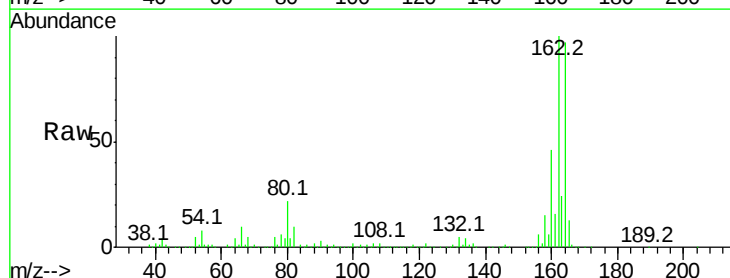
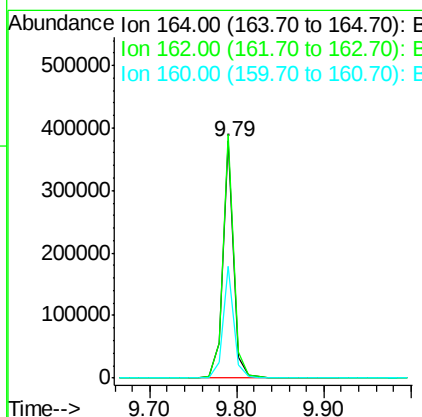
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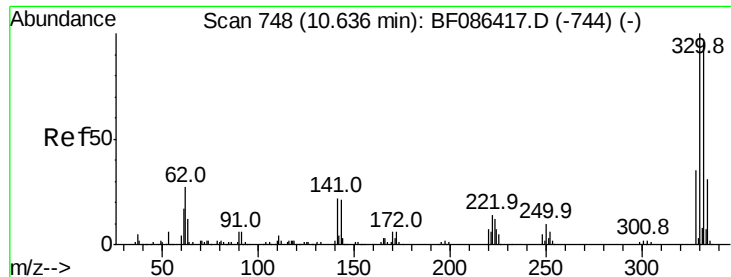
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF086646.D
 Acq: 3 May 2016 16:00

Tgt Ion:	164	Resp:	330530
Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.8	124.2
160	47.0	36.9	55.3





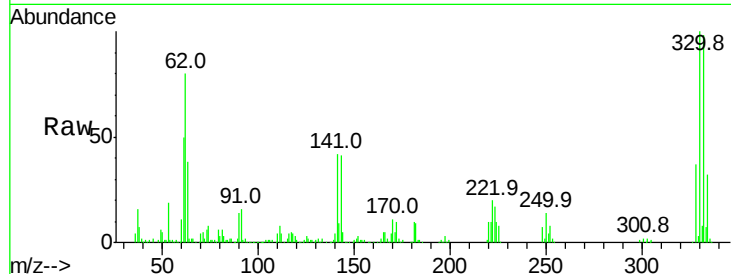
#41
 2,4,6-Tribromophenol
 Concen: 112.52 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086646.D
 Acq: 3 May 2016 16:00

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-11(6-12FTBGS)

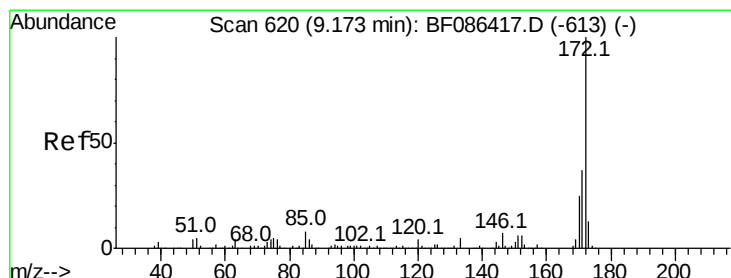
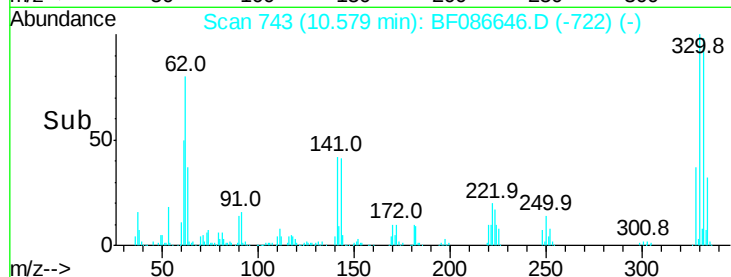
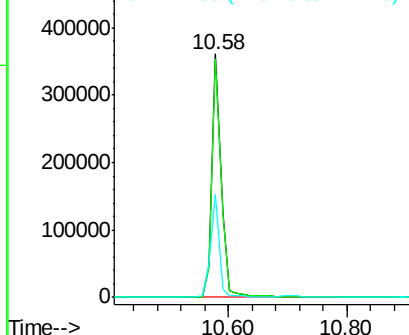
Tot Ion	Ratio	Resp	Lower	Upper
330	100	392224		
332	97.9	79.0	118.4	
141	39.0	31.2	46.8	

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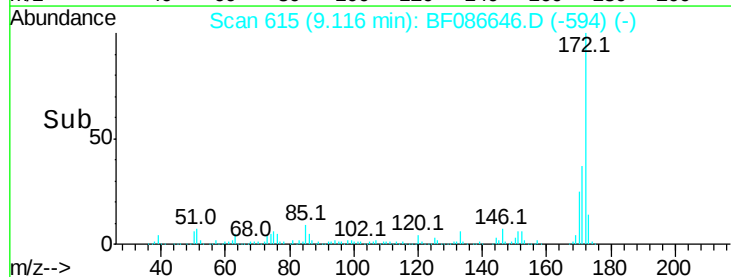
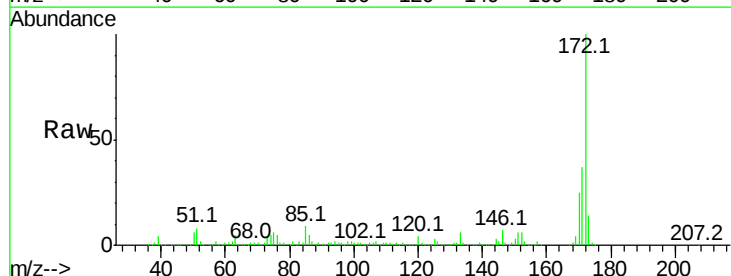
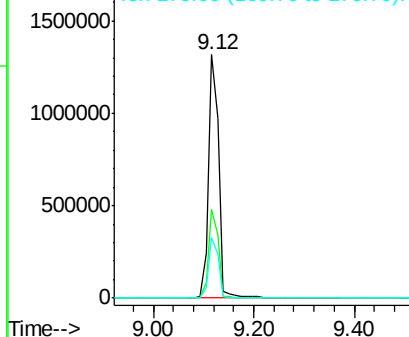
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

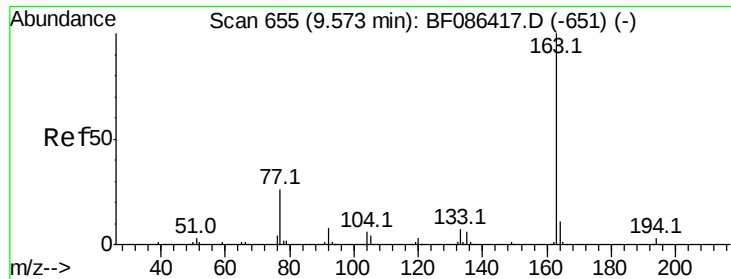


#44
 2-Fluorobiphenyl
 Concen: 101.76 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086646.D
 Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1845164		
171	36.6	29.0	43.6	
170	24.9	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





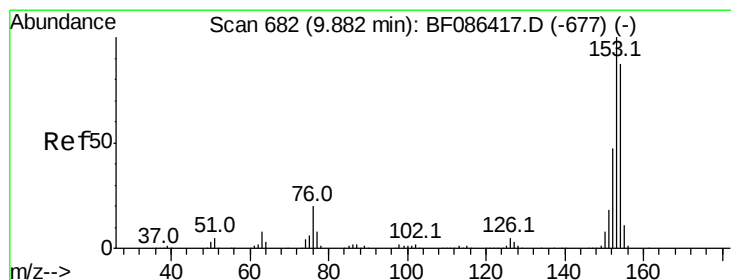
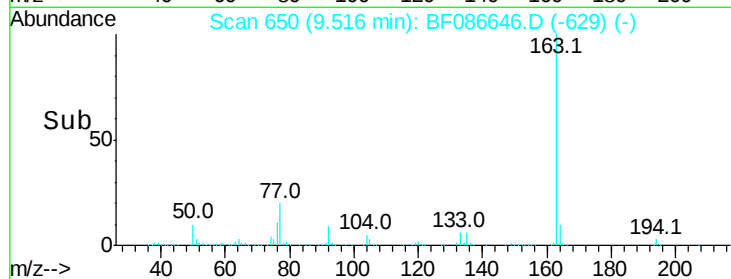
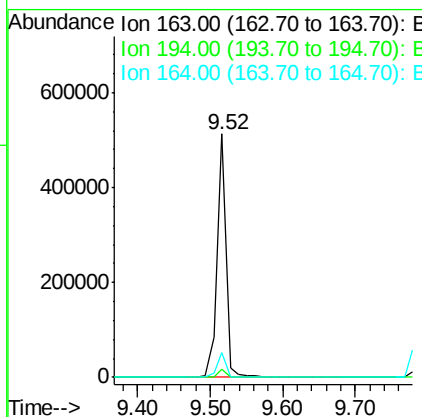
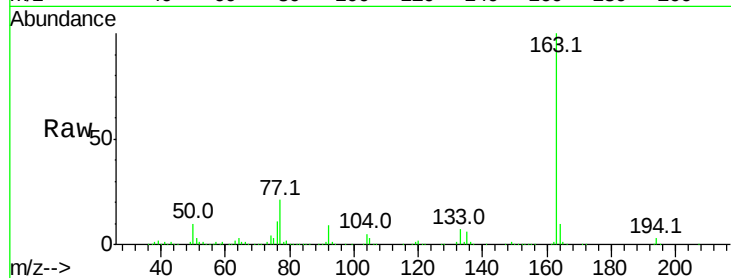
#49
Dimethylphthalate
Concen: 17.65 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	439296		
194	3.3		2.6	4.0
164	10.1		8.2	12.4

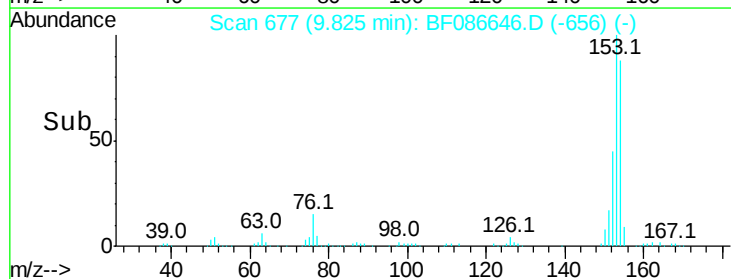
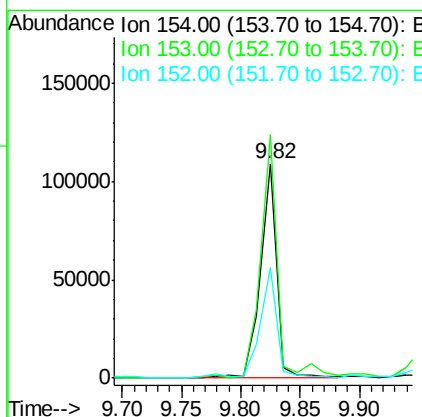
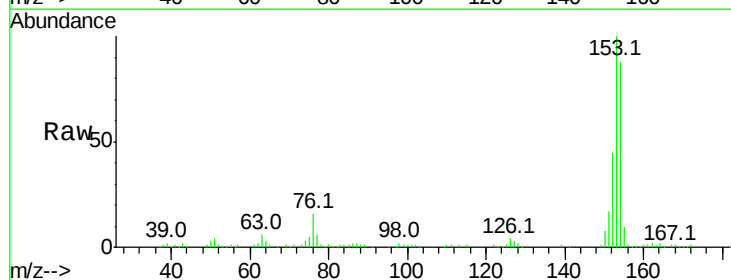
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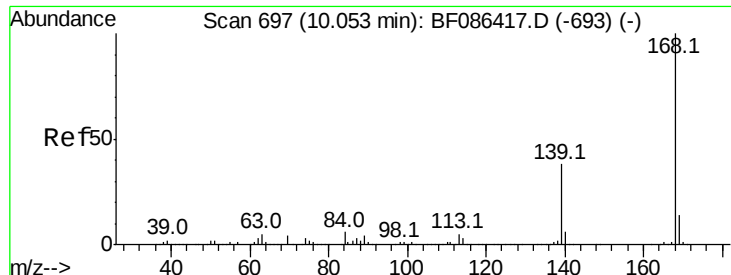
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#51
Acenaphthene
Concen: 5.01 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	105618		
153	113.6		89.8	134.6
152	51.6		43.4	65.0





#54

Dibenzenofuran

Concen: 2.80 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.06 min

Lab File: BF086646.D

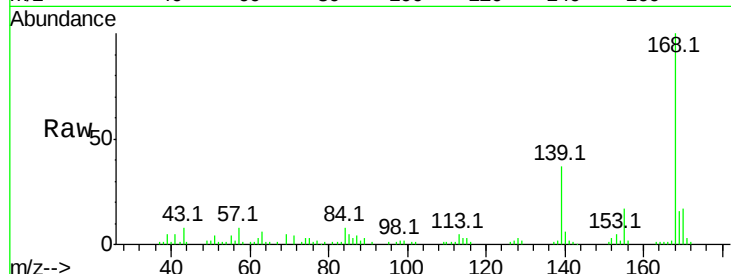
Acq: 3 May 2016 16:00

Instrument :

BNA_F

ClientSampleId :

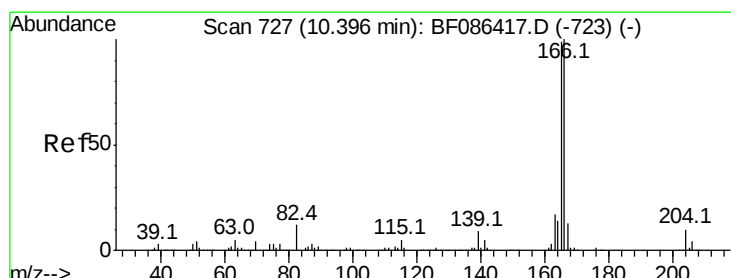
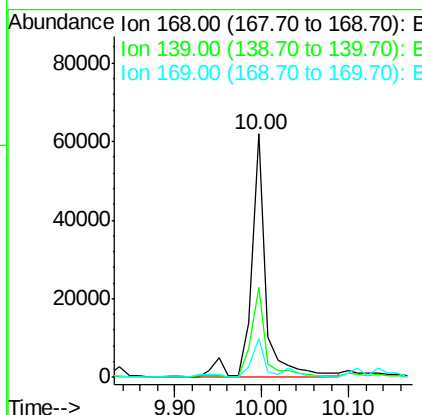
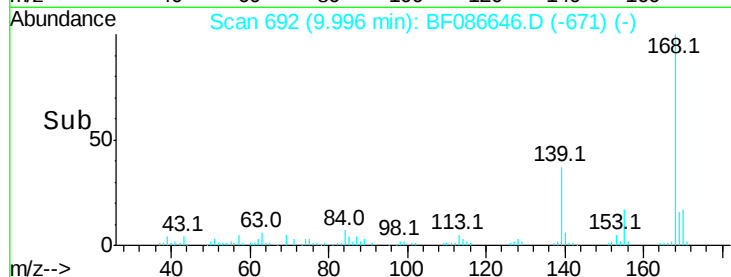
26WARD-2A-CS-11(6-12FTBGS)



Tot Ion:	168	Resp:	73870
Ion	Ratio	Lower	Upper
168	100		
139	37.0	31.4	47.0
169	15.9	10.7	16.1

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#57

Fluorene

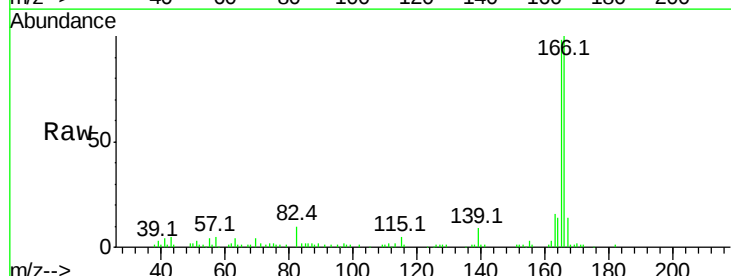
Concen: 3.87 ng

RT: 10.34 min Scan# 722

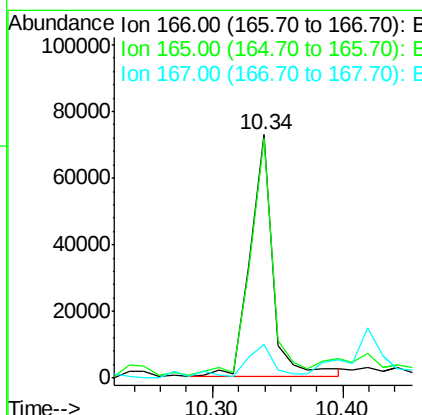
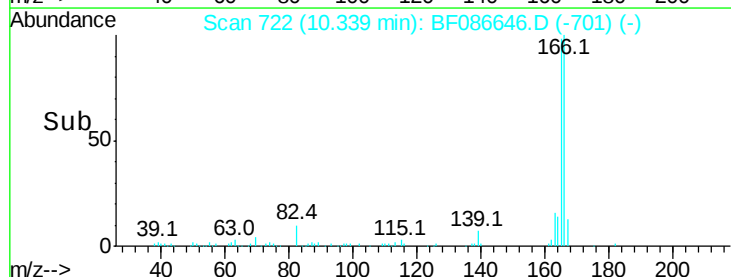
Delta R.T. -0.06 min

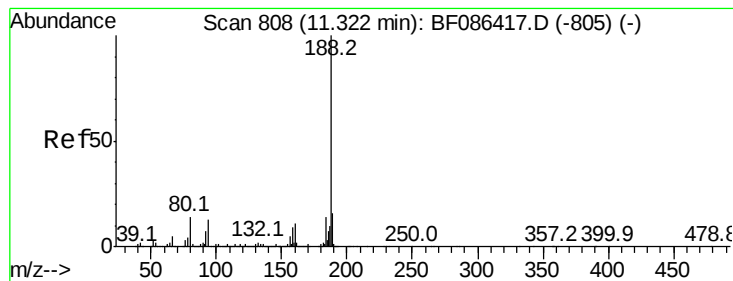
Lab File: BF086646.D

Acq: 3 May 2016 16:00



Tgt Ion:	166	Resp:	88481
Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.0	118.6
167	14.0	10.6	15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Instrument :

BNA_F

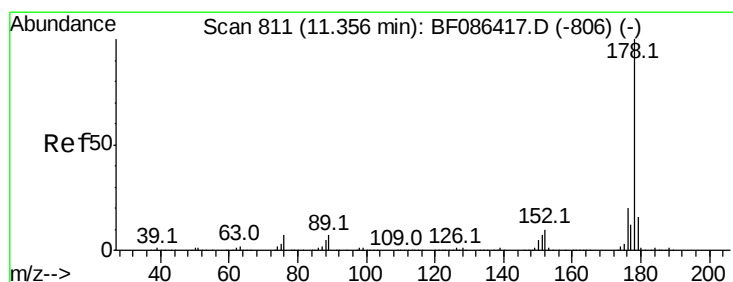
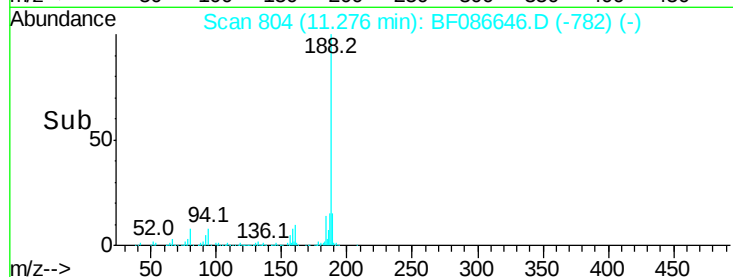
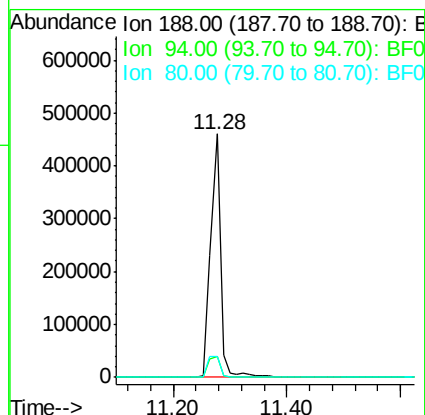
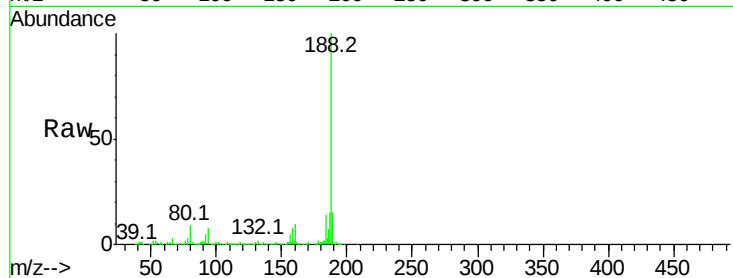
ClientSampleId :

26WARD-2A-CS-11(6-12FTBGS)

Tot Ion	188	Resp	538998
Ion Ratio	Lower	Upper	
188	100		
94	8.4	6.8	10.2
80	8.5	7.1	10.7

Manual Integrations
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#70

Phenanthrene

Concen: 49.51 ng

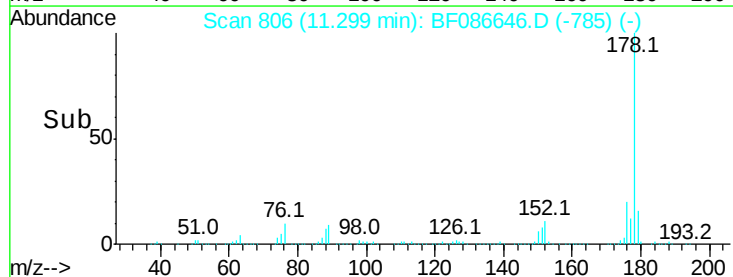
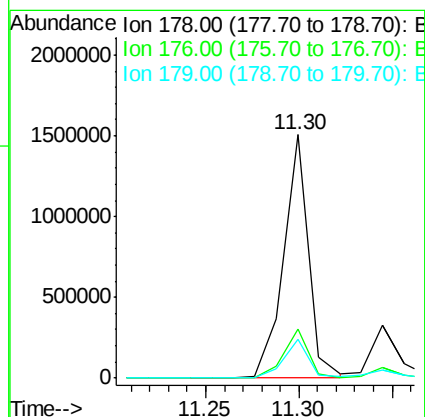
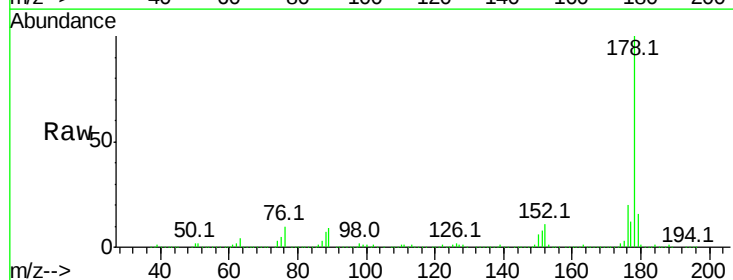
RT: 11.30 min Scan# 806

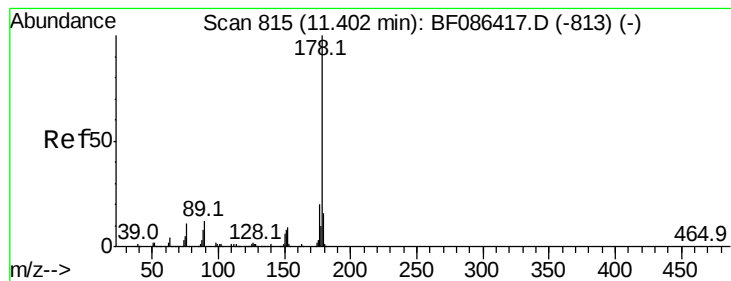
Delta R.T. -0.06 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Tgt Ion	178	Resp	1400534
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.0	24.0
179	16.0	12.6	18.8





#71

Anthracene

Concen: 11.88 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.06 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Instrument :

BNA_F

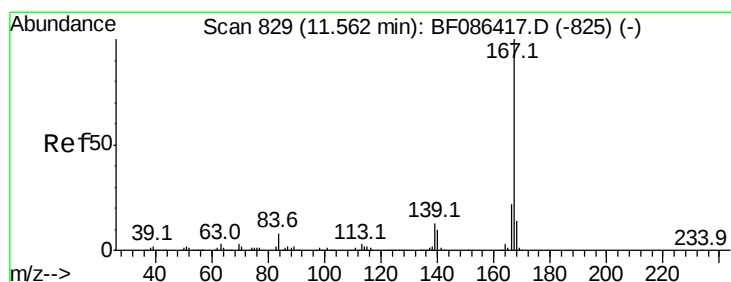
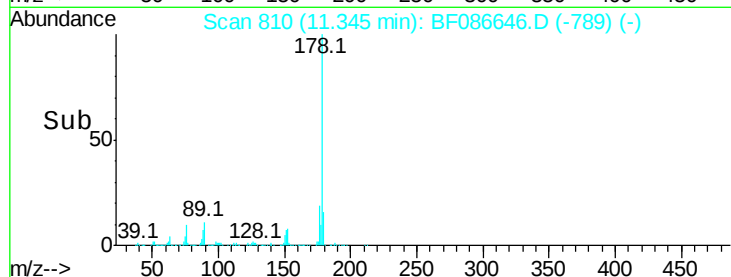
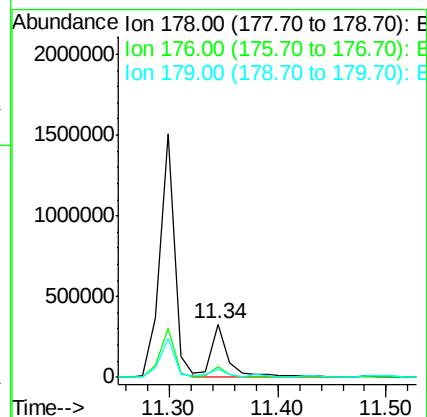
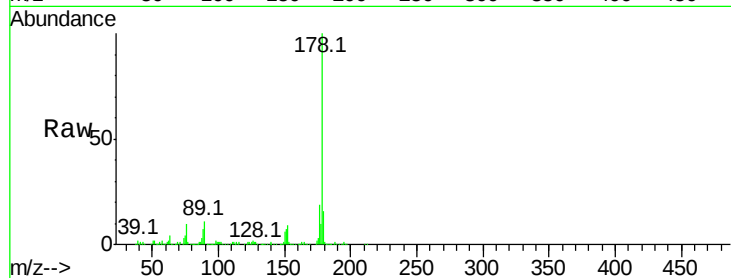
ClientSampleId :

26WARD-2A-CS-11(6-12FTBGS)

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Tot Ion:	178	Resp:	358708
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.8	12.7	19.1



#72

Carbazole

Concen: 3.92 ng

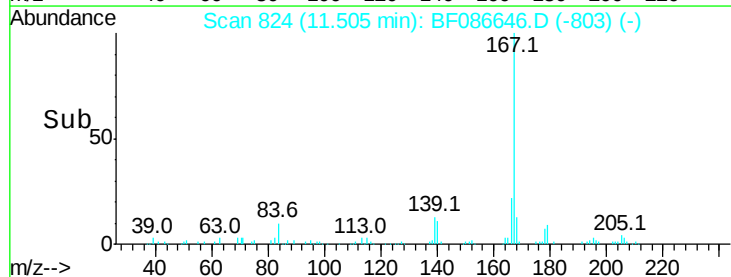
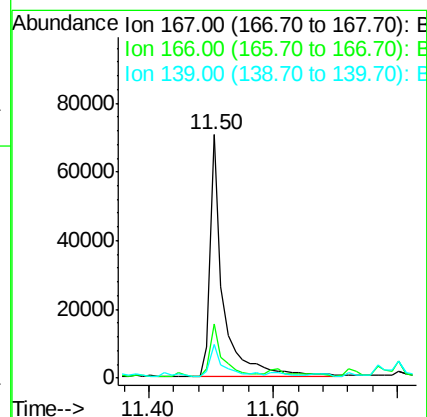
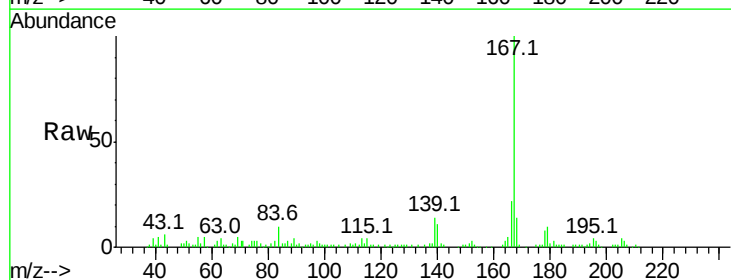
RT: 11.50 min Scan# 824

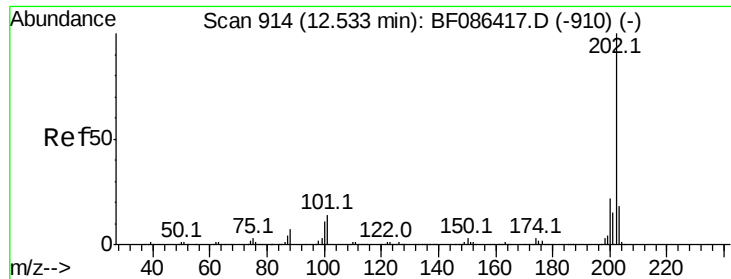
Delta R.T. -0.06 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Tgt Ion:	167	Resp:	104800
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.7	26.5
139	13.7	10.8	16.2





#74

Fluoranthene

Concen: 56.96 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-11(6-12FTBGS)

Tot Ion:202 Resp: 1626436

Ion Ratio Lower Upper

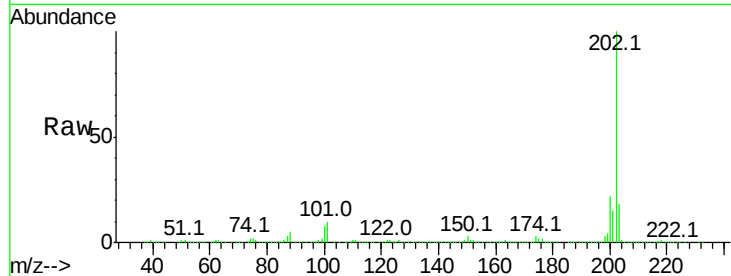
202 100

101 10.4 0.0 35.4

203 18.2 0.0 38.1

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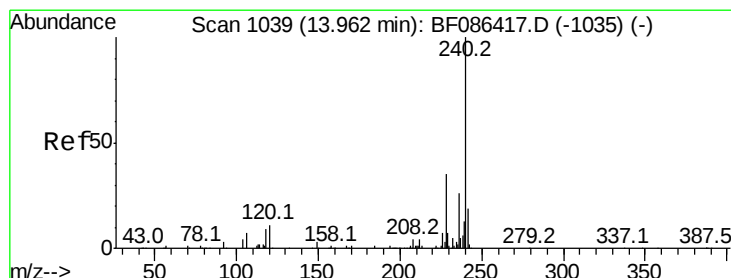
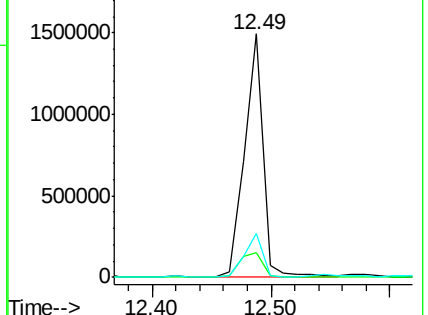
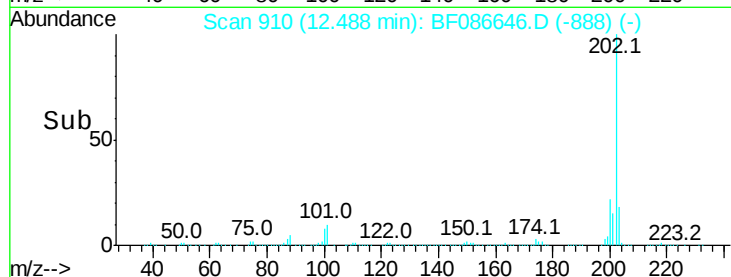
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

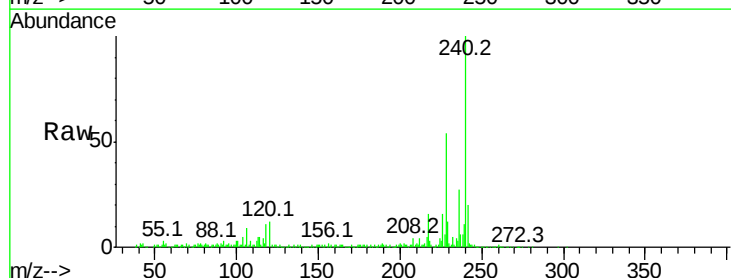
Tgt Ion:240 Resp: 340949

Ion Ratio Lower Upper

240 100

120 12.1 11.2 16.8

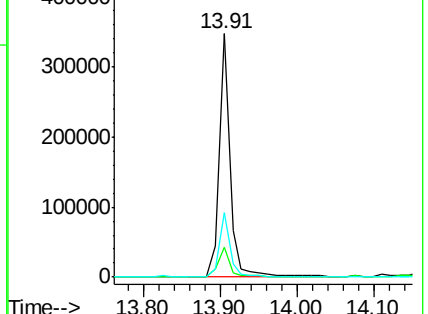
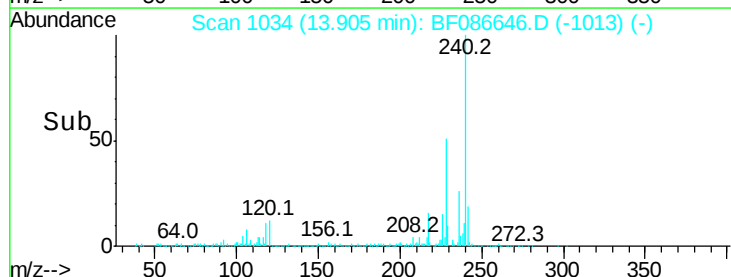
236 26.7 21.2 31.8

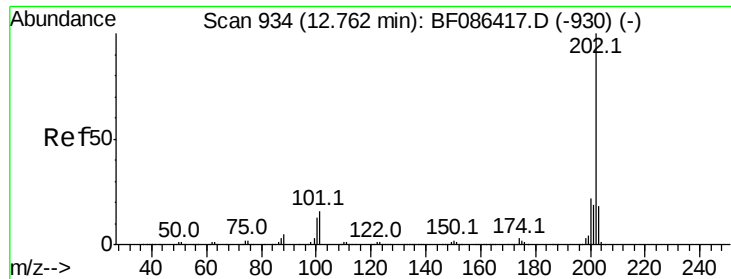


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 56.64 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.05 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-11(6-12FTBGS)

Tot Ion:202 Resp: 1391627

Ion Ratio Lower Upper

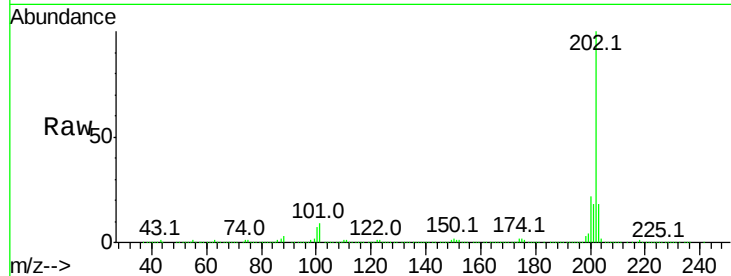
202 100

200 21.6 17.7 26.5

203 17.7 14.2 21.4

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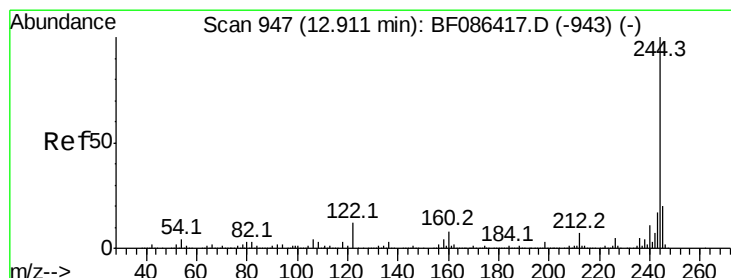
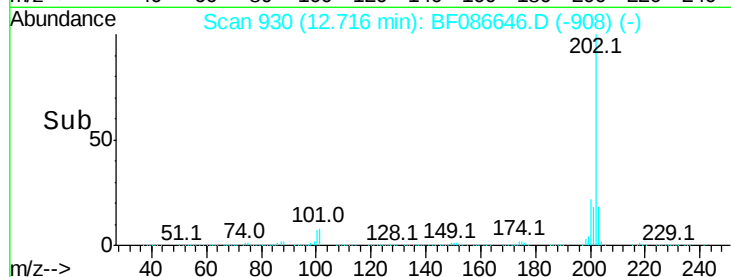
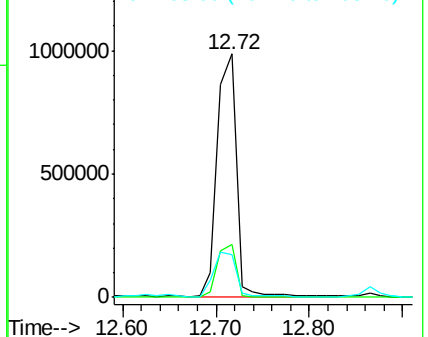
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 82.11 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

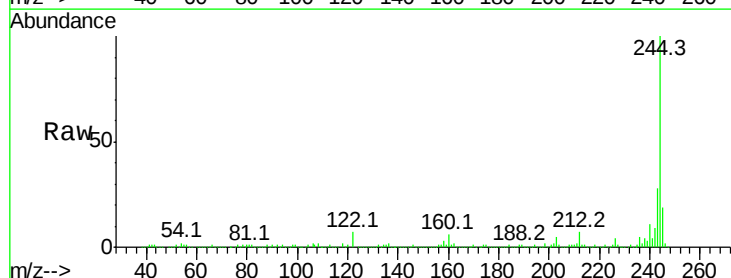
Tgt Ion:244 Resp: 1270641

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

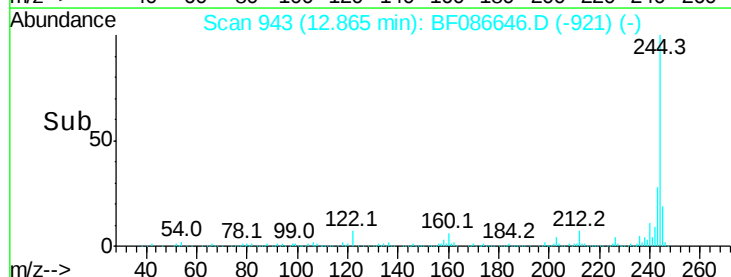
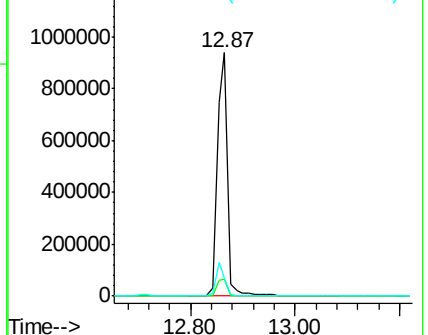
122 7.4 12.0 18.0#

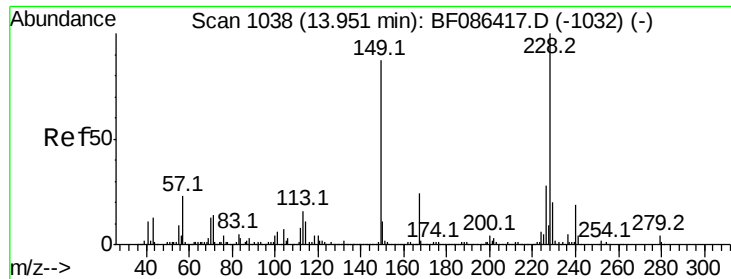


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





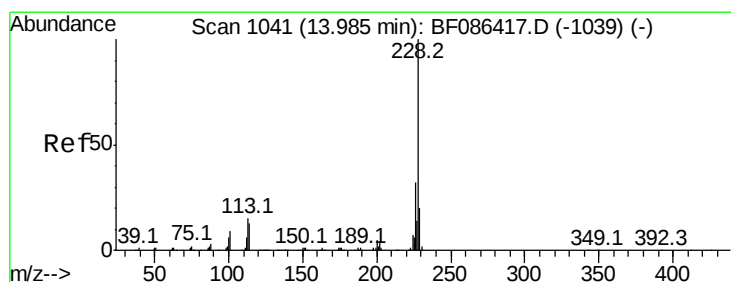
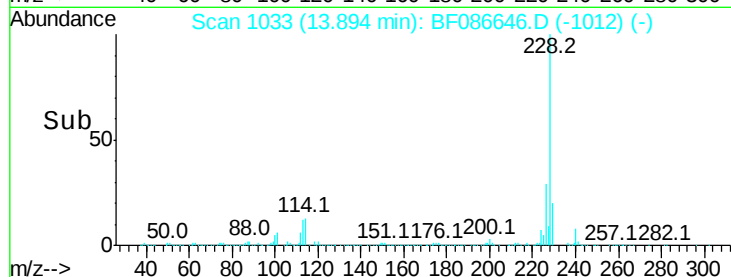
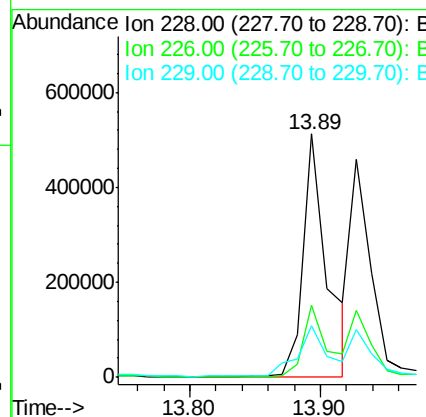
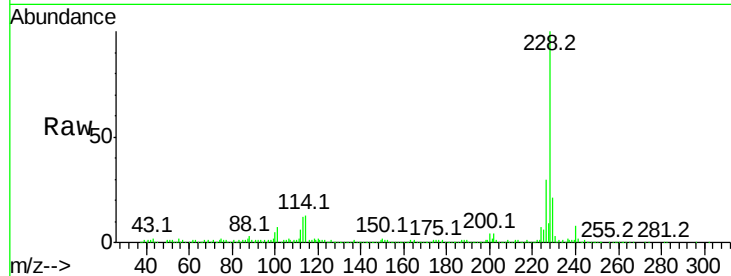
#80
Benzo(a)anthracene
Concen: 35.97 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.5	33.7
229	21.1	16.6	25.0

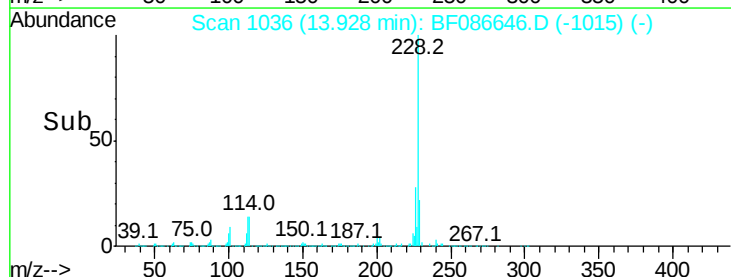
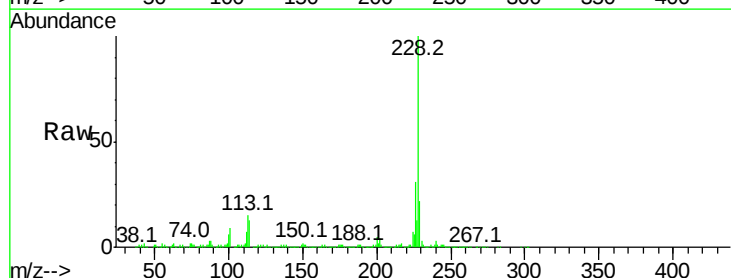
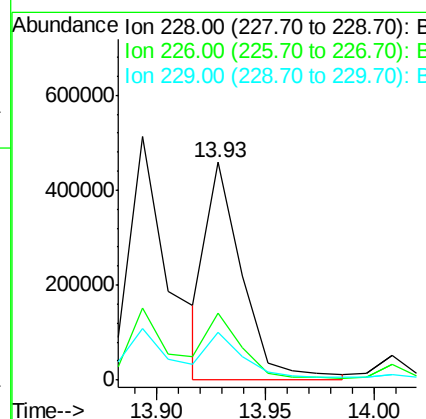
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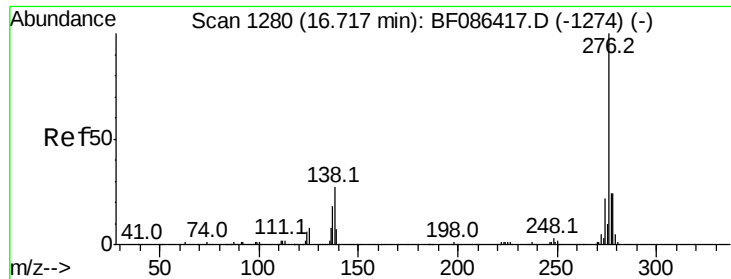
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#82
Chrysene
Concen: 25.85 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	22.2	15.8	23.8





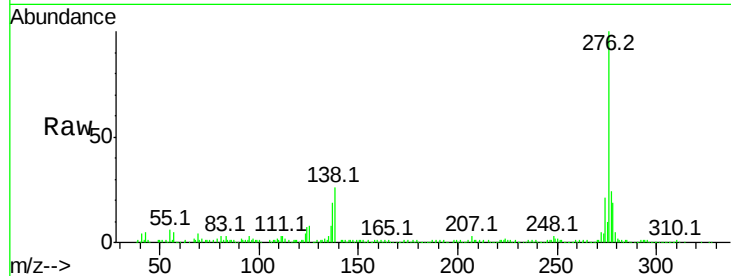
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.17 ng
RT: 16.63 min Scan# 1272
Delta R.T. -0.09 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

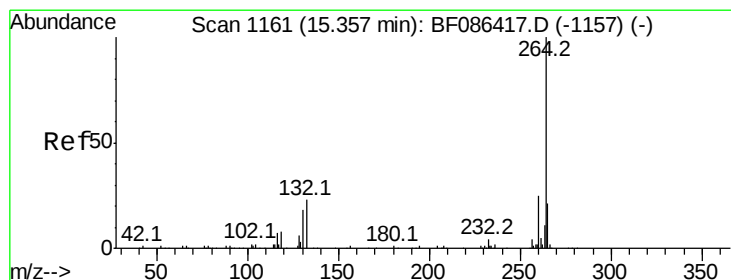
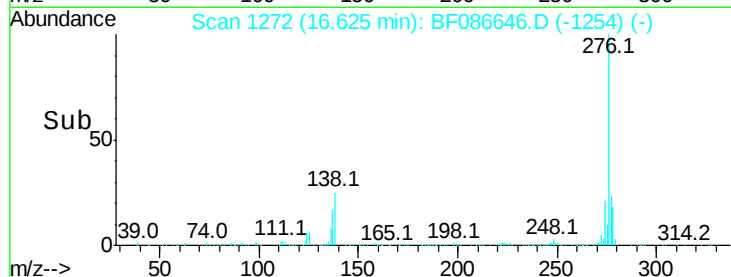
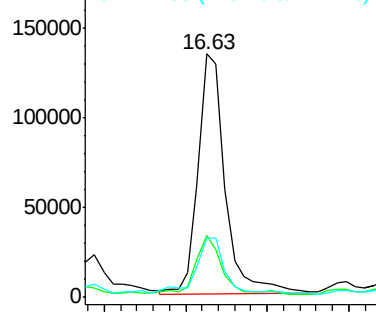
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	25.6	38.4#
277	23.6	20.5	30.7

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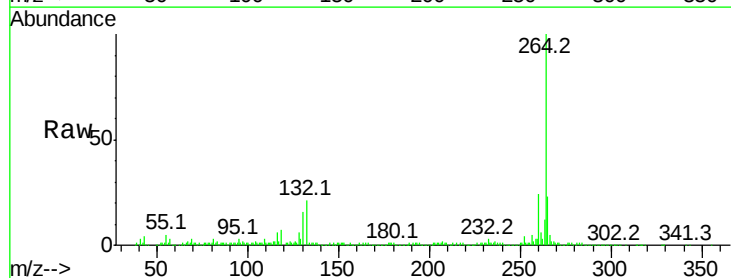


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

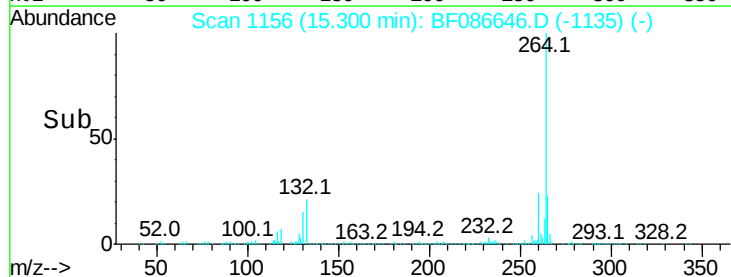
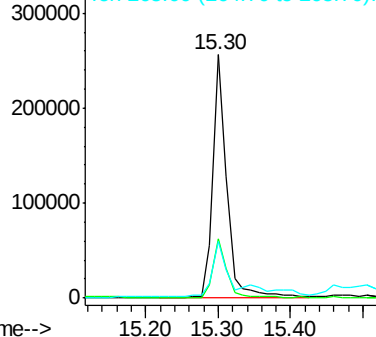


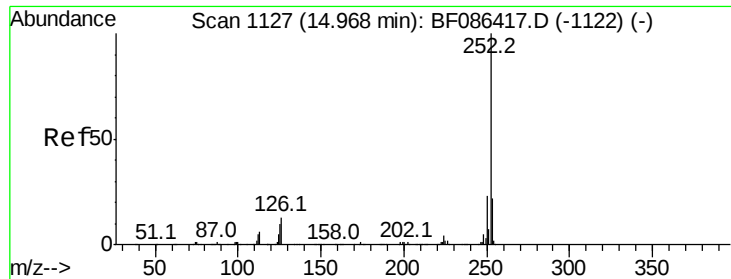
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	23.2	17.3	25.9



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: 31.20 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Instrument :

BNA_F

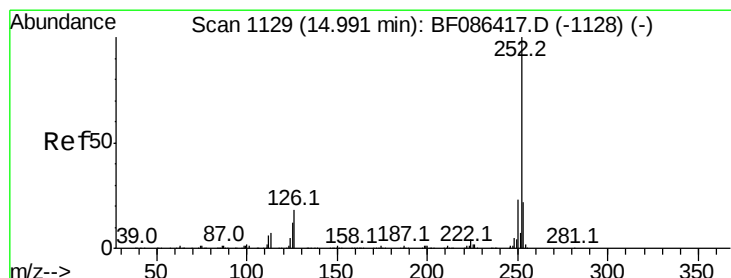
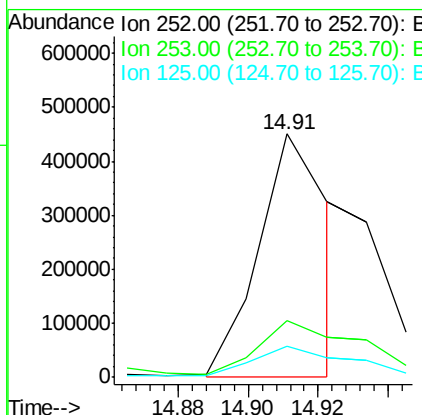
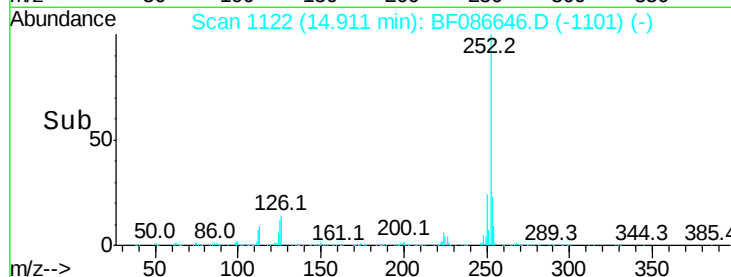
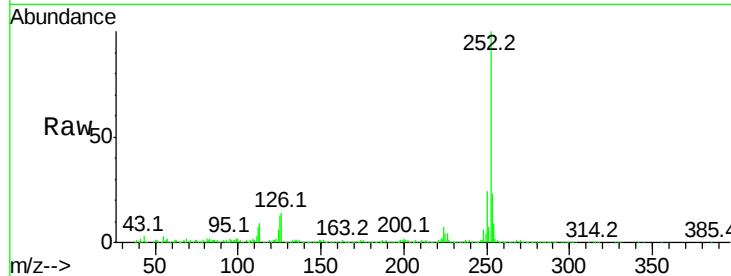
ClientSampleId :

26WARD-2A-CS-11(6-12FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.7	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 13.74 ng m

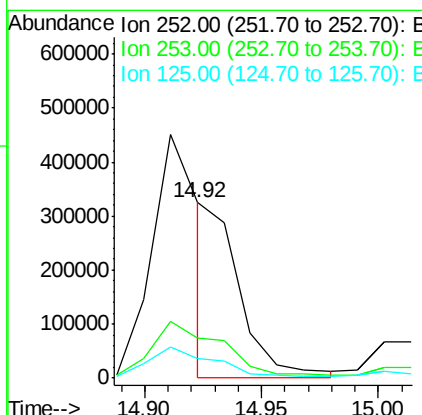
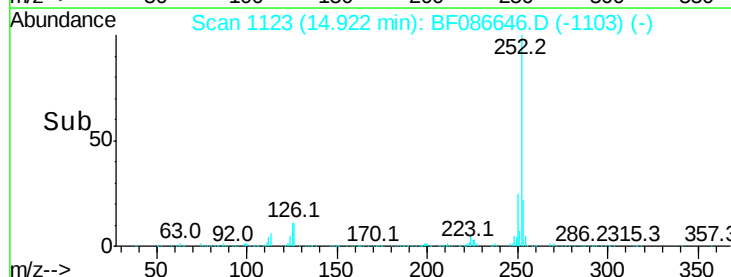
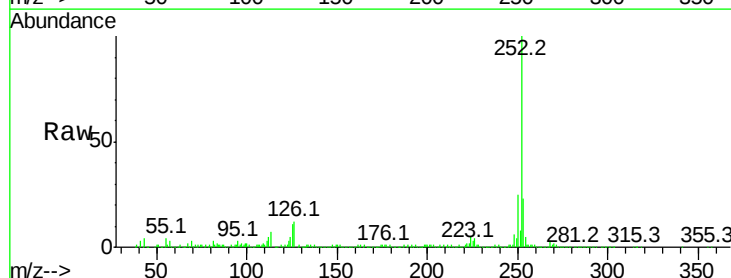
RT: 14.92 min Scan# 1123

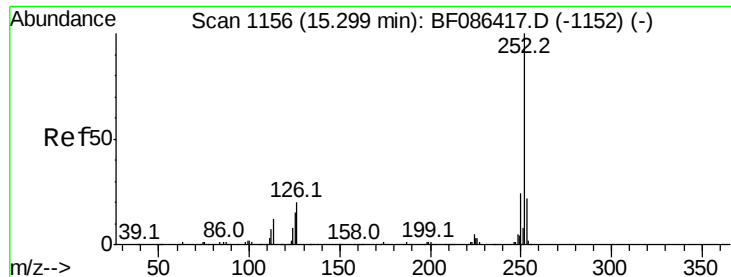
Delta R.T. -0.07 min

Lab File: BF086646.D

Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.3	9.1	13.7





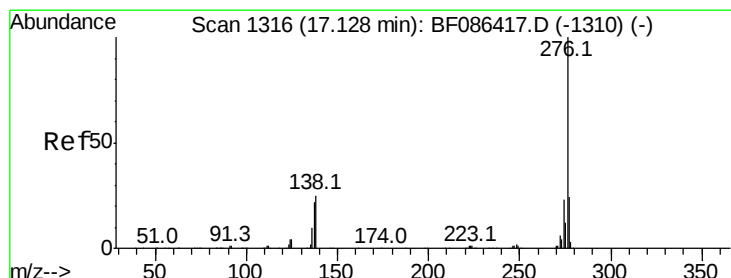
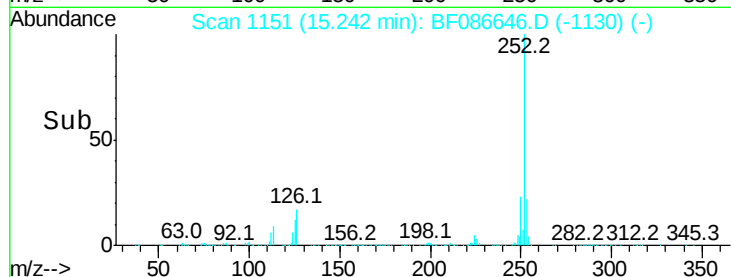
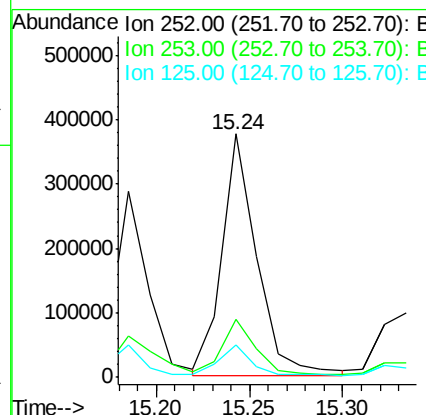
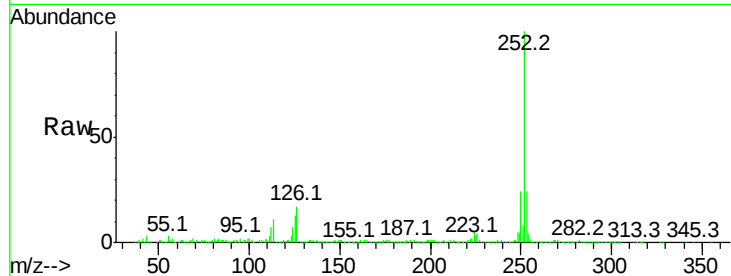
#89
Benzo(a)pyrene
Concen: 25.73 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-11(6-12FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.3	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 19.19 ng
RT: 17.03 min Scan# 1307
Delta R.T. -0.10 min
Lab File: BF086646.D
Acq: 3 May 2016 16:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.6	29.4
138	26.3	23.6	35.4

