

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086691.D
 Acq On : 4 May 2016 22:05
 Operator : UM/SJ
 Sample : H2715-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-9(0-12FTBGS)

Manual Integrations
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Quant Time: May 05 04:52:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	157173	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	588617	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	249675	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	360943m	40.00	ng	0.00
75) Chrysene-d12	13.89	240	329617	40.00	ng	0.01
86) Perylene-d12	15.28	264	252221	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1211223	127.58	ng	0.01
7) Phenol-d6	6.38	99	1565316	122.40	ng	0.01
23) Nitrobenzene-d5	7.31	82	1196255	104.44	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	309367	126.67	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1457061	95.66	ng	0.00
78) Terphenyl-d14	12.84	244	1023223	62.74	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.04	128	69639	2.32	ng	99
49) Dimethylphthalate	9.49	163	158716	8.53	ng	98
57) Fluorene	10.32	166	43569	2.81	ng	96
70) Phenanthrene	11.28	178	537715	27.73	ng	99
71) Anthracene	11.33	178	91115	4.49	ng	99
72) Carbazole	11.49	167	51875	2.94	ng	99
74) Fluoranthene	12.46	202	592042	30.47	ng	98
77) Pyrene	12.69	202	560097	21.31	ng	99
80) Benzo(a)anthracene	13.88	228	220204	11.81	ng	95
82) Chrysene	13.92	228	240132	12.07	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	79441	4.66	ng	# 92
87) Benzo(b)fluoranthene	14.89	252	212106m	14.00	ng	
88) Benzo(k)fluoranthene	14.90	252	115139m	8.06	ng	
89) Benzo(a)pyrene	15.22	252	156908	11.24	ng	# 92
91) Benzo(a,h,i)perylene	16.99	276	75082	5.33	ng	96

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

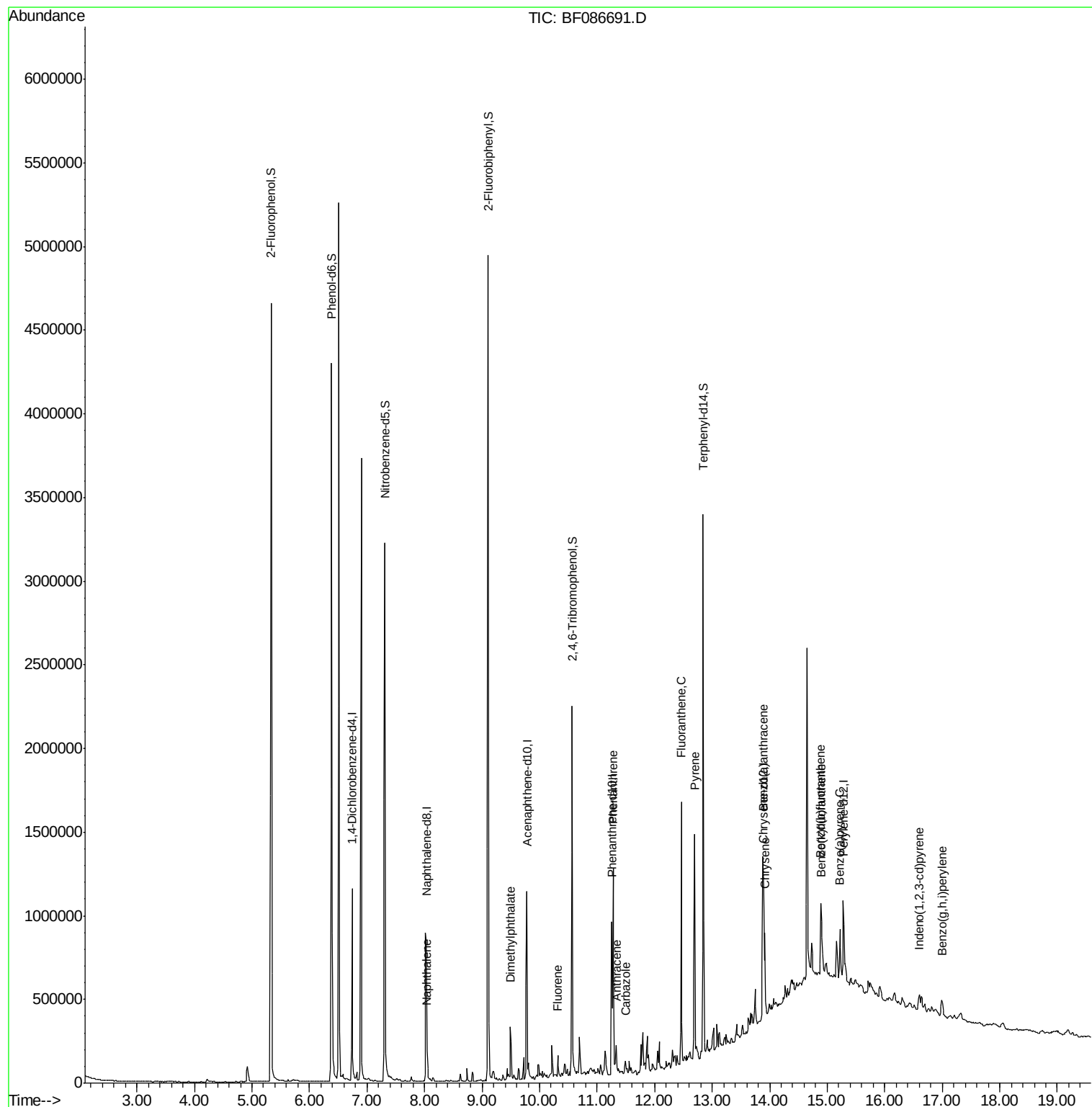
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
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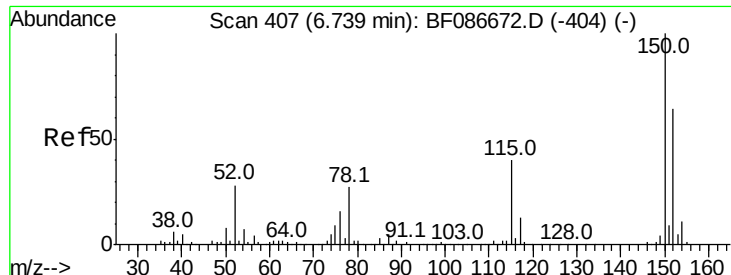
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

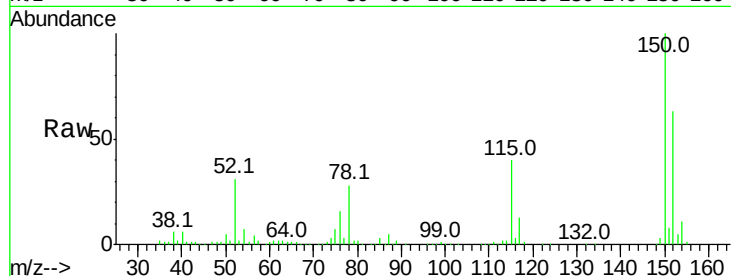
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086691.D
Acq: 4 May 2016 22:05

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	159.1	125.8	188.6	
115	64.0	51.5	77.3	

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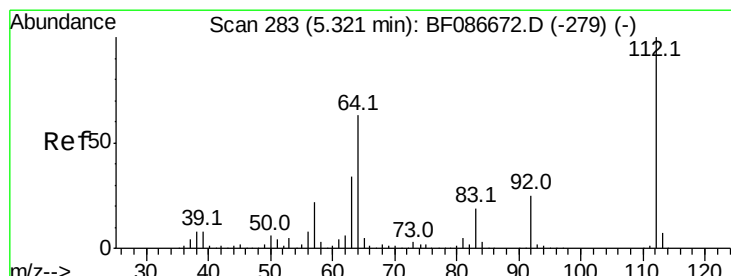
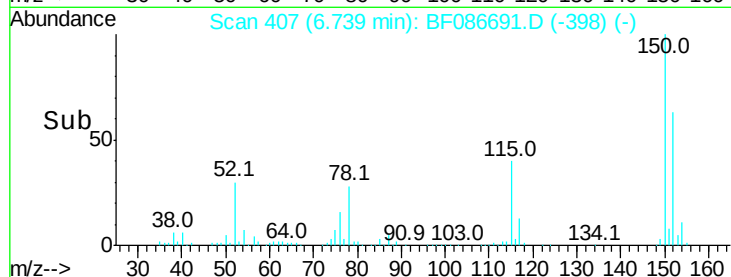
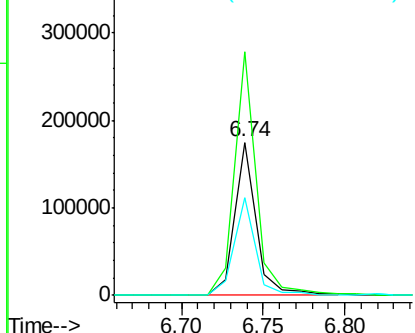


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

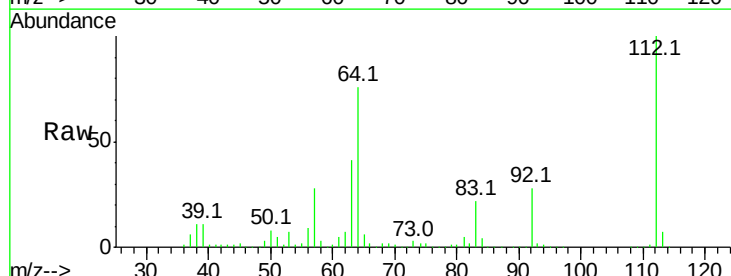
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.58 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086691.D
Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	76.3	52.1	78.1	
63	41.5	25.7	38.5	

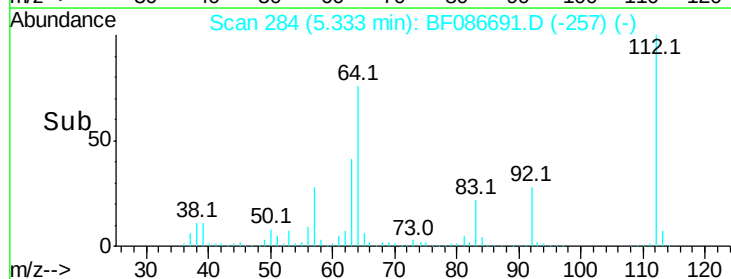
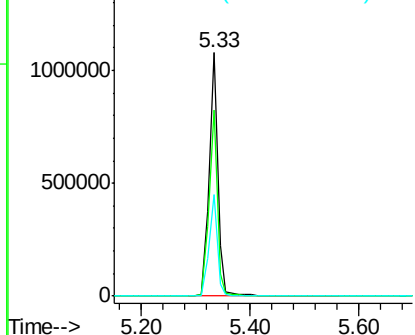


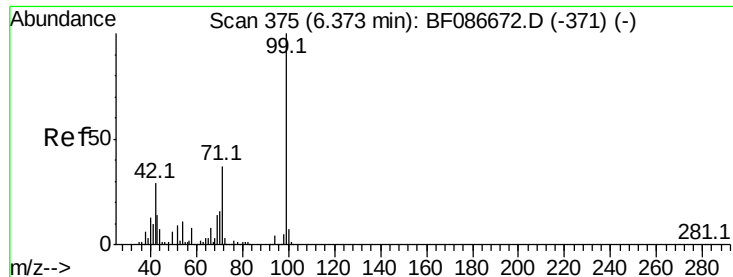
Abundance

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: 122.40 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Instrument :

BNA_F

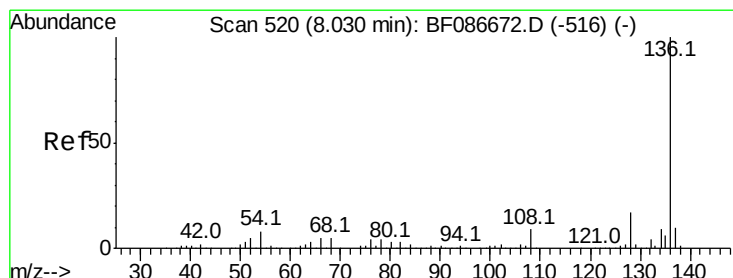
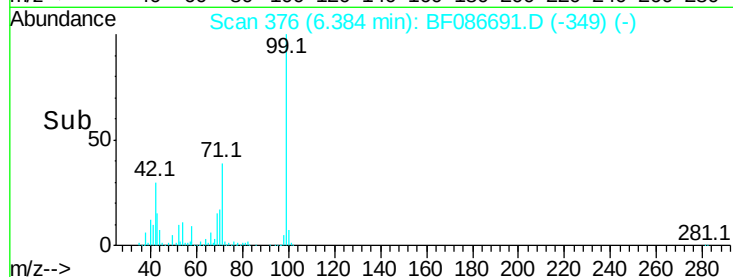
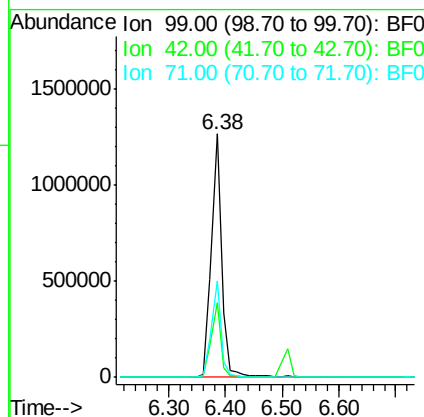
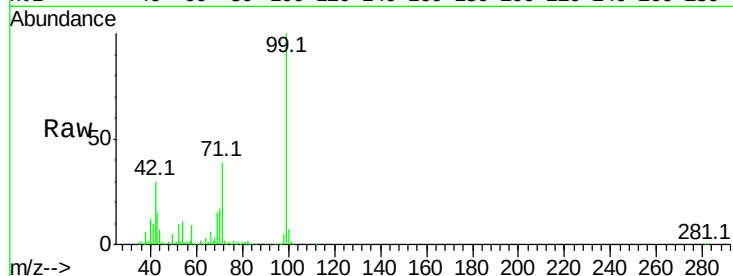
ClientSampleId :

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Tot Ion	99	Resp	1565316
Ion	Ratio	Lower	Upper
99	100		
42	30.5	13.6	20.4#
71	39.5	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

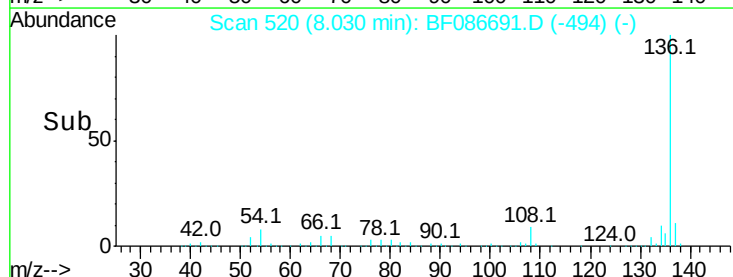
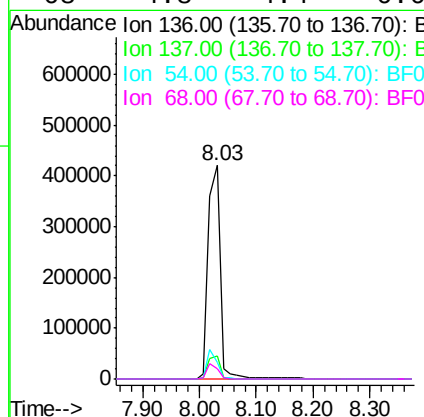
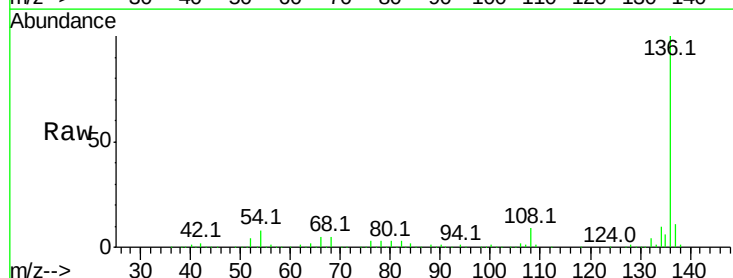
RT: 8.03 min Scan# 520

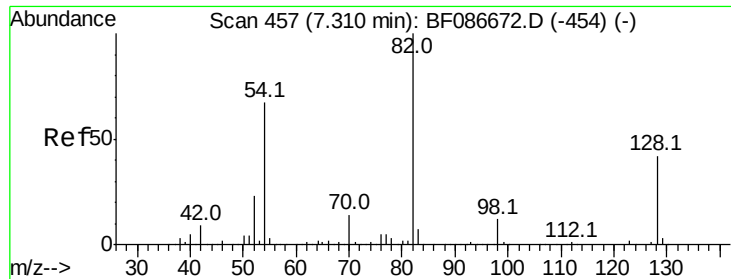
Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Tgt Ion	136	Resp	588617
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.1	5.0	7.4#
68	4.8	4.4	6.6





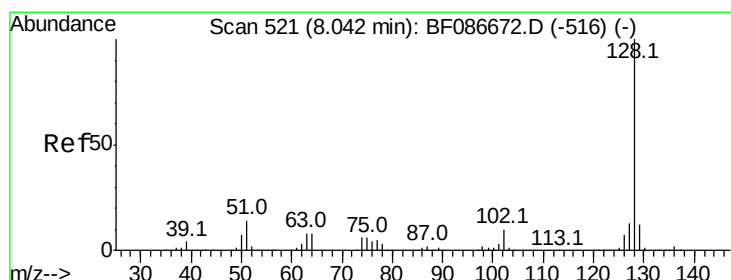
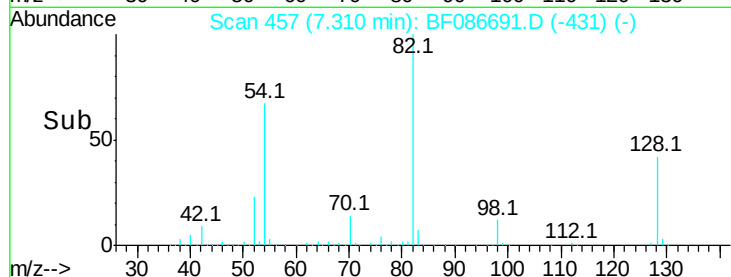
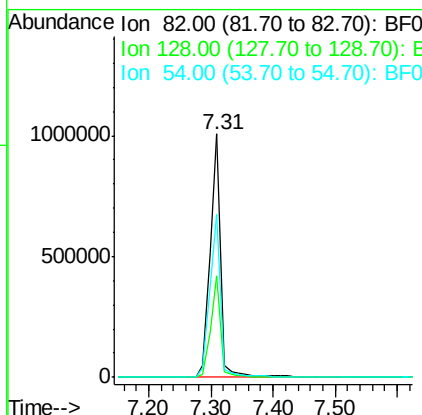
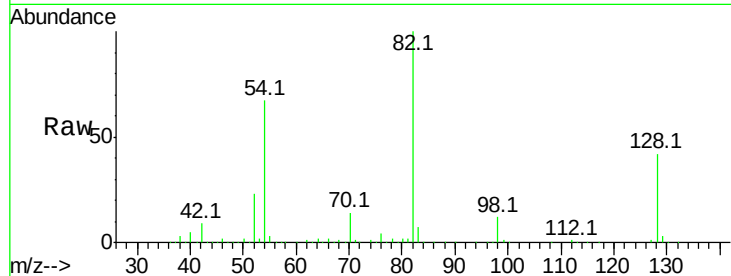
#23
 Nitrobenzene-d5
 Concen: 104.44 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	40.6	61.0
54	66.9	38.1	57.1#

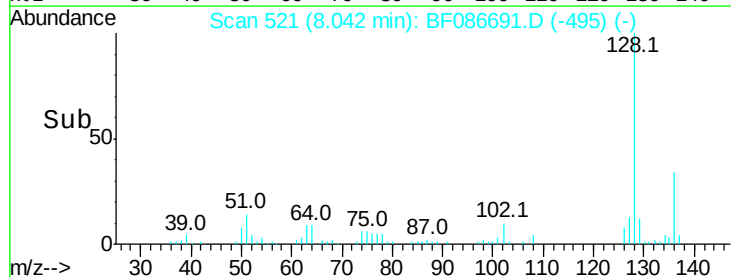
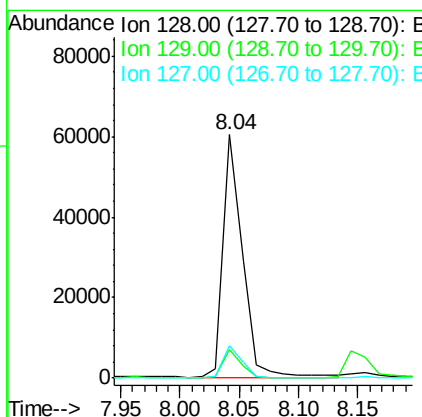
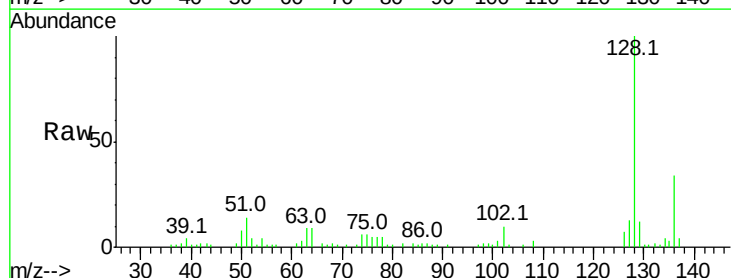
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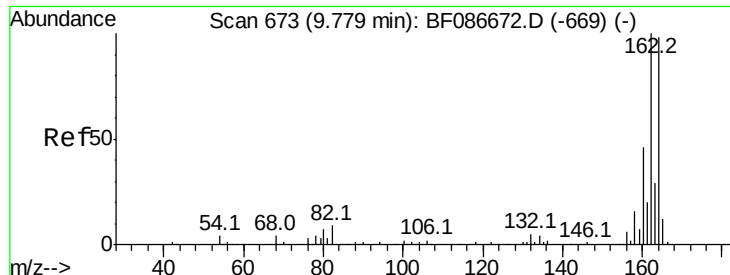
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#31
 Naphthalene
 Concen: 2.32 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	13.0
127	13.3	10.8	16.2





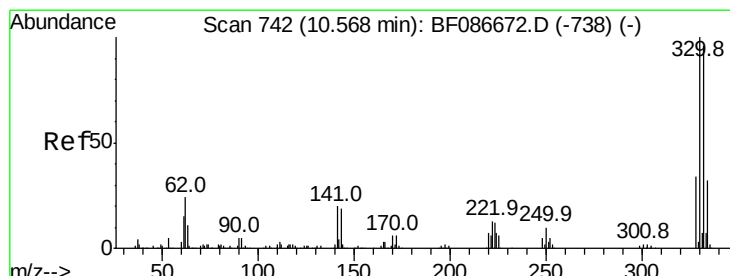
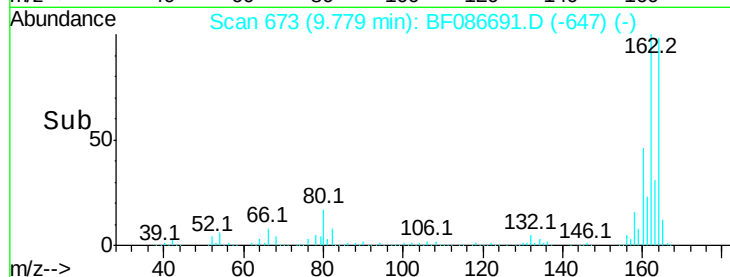
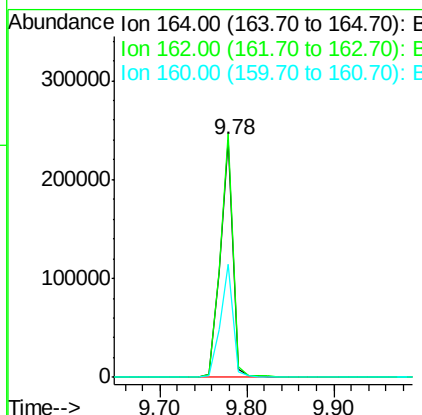
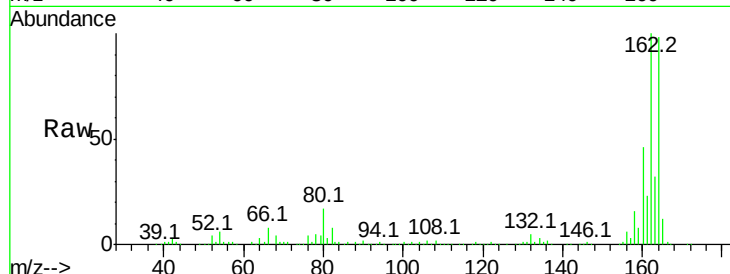
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	249675		
162	102.4	82.8	124.2	
160	47.4	36.9	55.3	

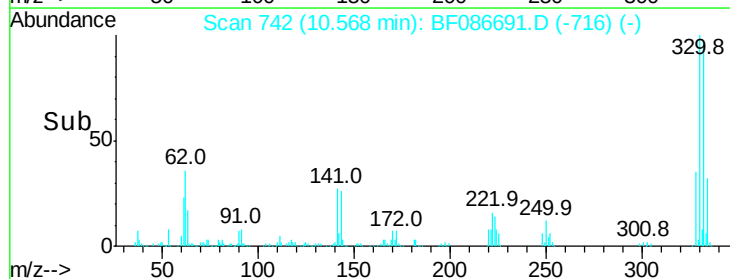
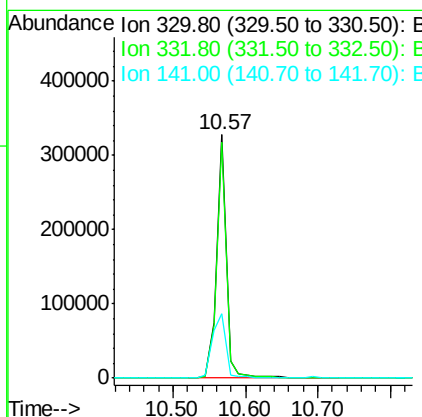
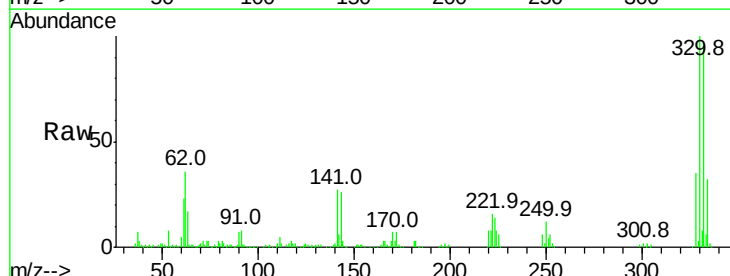
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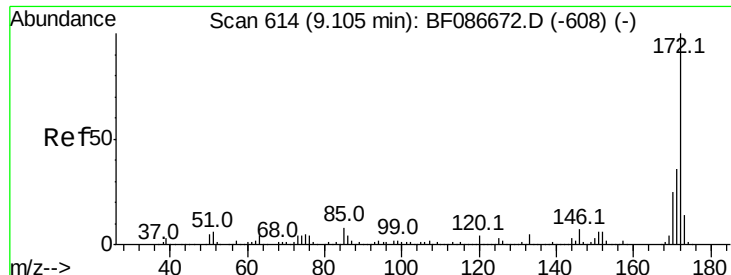
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#41
 2,4,6-Tribromophenol
 Concen: 126.67 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	309367		
332	97.5	79.0	118.4	
141	36.4	31.2	46.8	





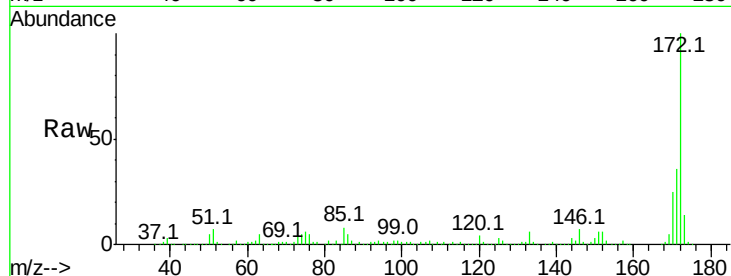
#44
 2-Fluorobiphenyl
 Concen: 95.66 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-9(0-12FTBGS)

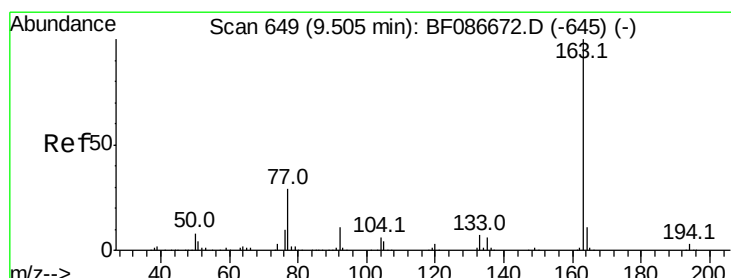
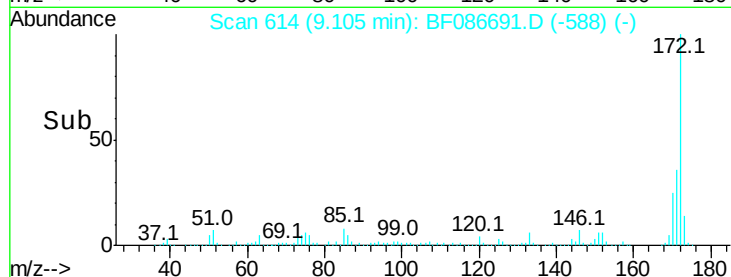
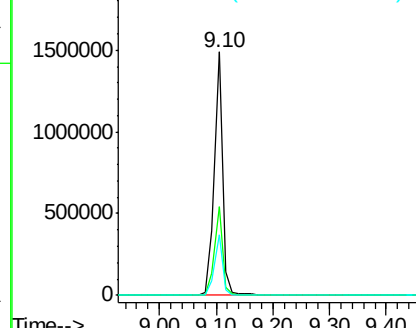
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	25.0	19.8	29.8

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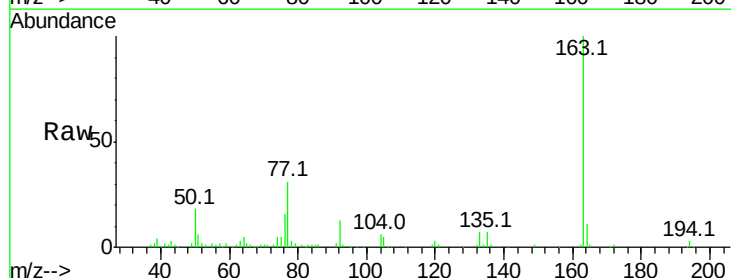


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

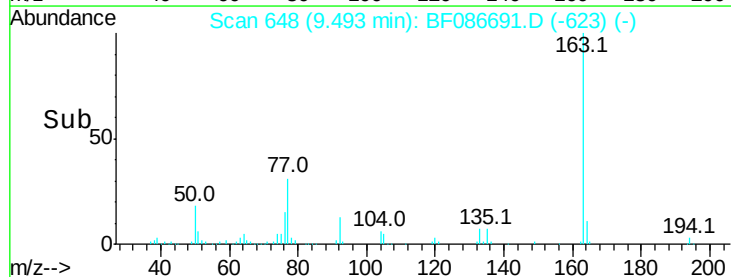
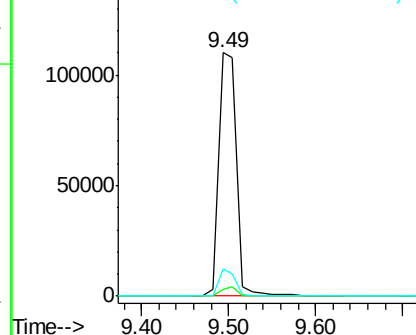


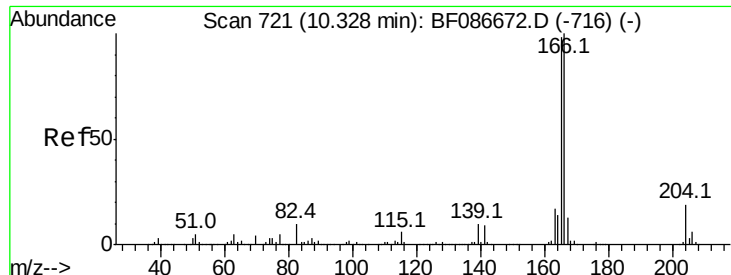
#49
 Dimethylphthalate
 Concen: 8.53 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	11.2	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
 150000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





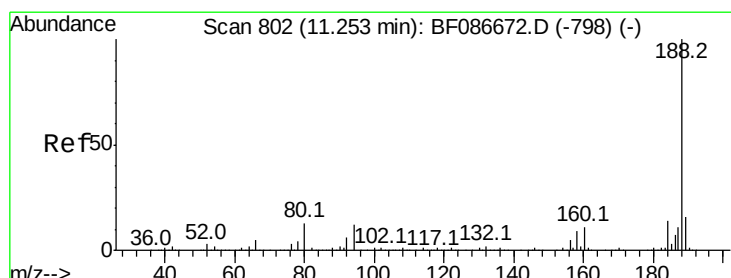
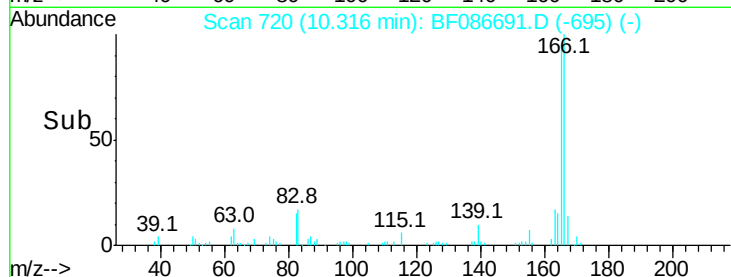
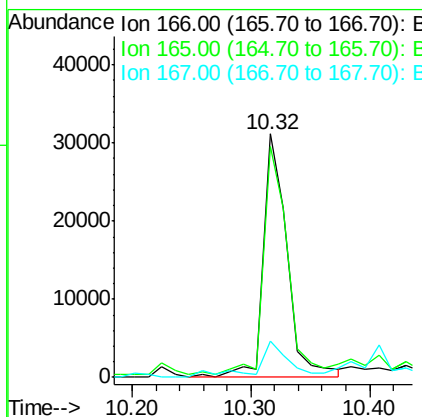
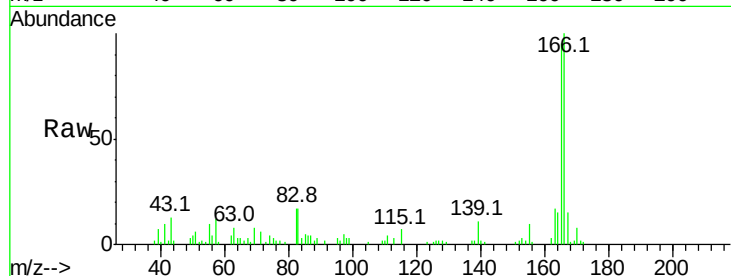
#57
Fluorene
 Concen: 2.81 ng
 RT: 10.32 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Instrument :
 BNA_F
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 26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	94.6	79.0	118.6	
167	15.1	10.6	15.8	

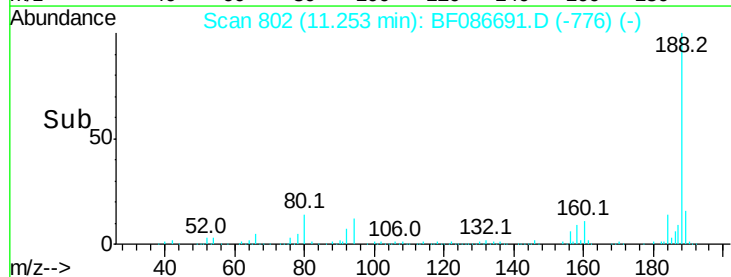
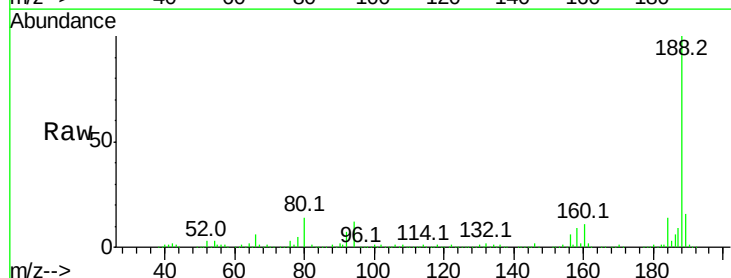
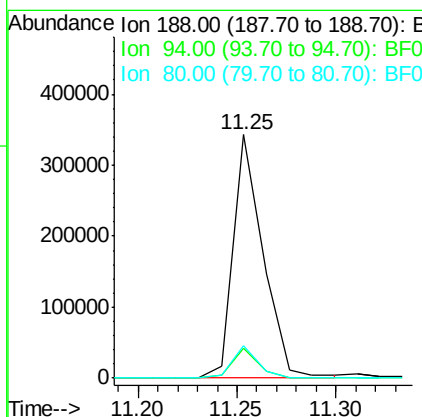
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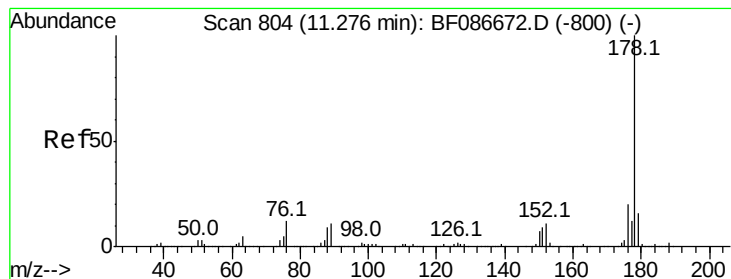
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#63
Phenanthrene-d10
 Concen: 40.00 ng m
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.5	6.8	10.2#	
80	13.6	7.1	10.7#	





#70

Phenanthrene

Concen: 27.73 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Instrument :

BNA_F

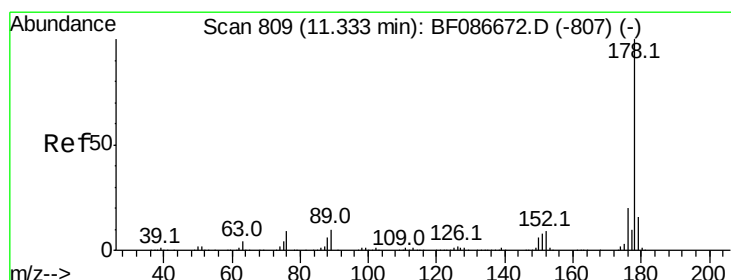
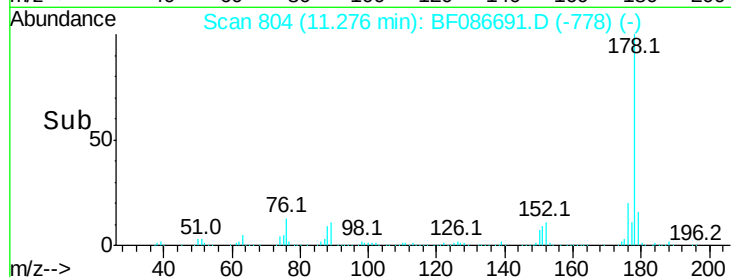
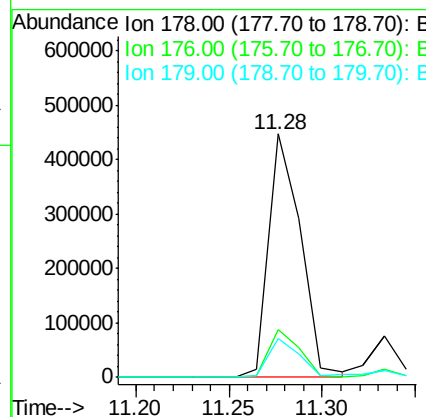
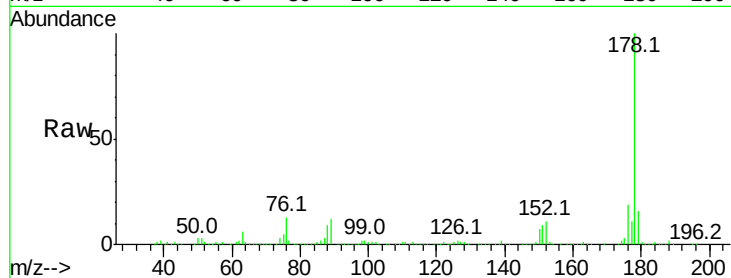
ClientSampleId :

26WARD-3-CS-9(0-12FTBGS)

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Tot Ion:178	Resp:	537715
Ion Ratio	Lower	Upper
178 100		
176 19.5	16.0	24.0
179 15.9	12.6	18.8



#71

Anthracene

Concen: 4.49 ng

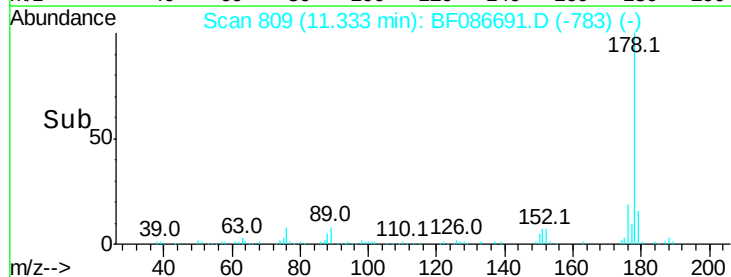
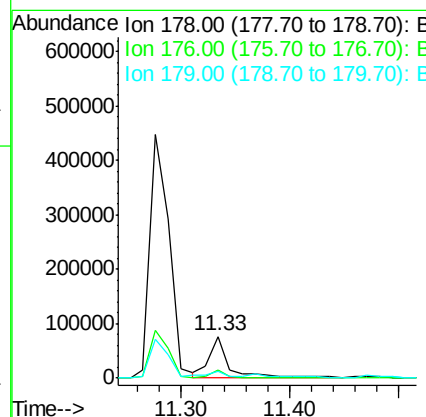
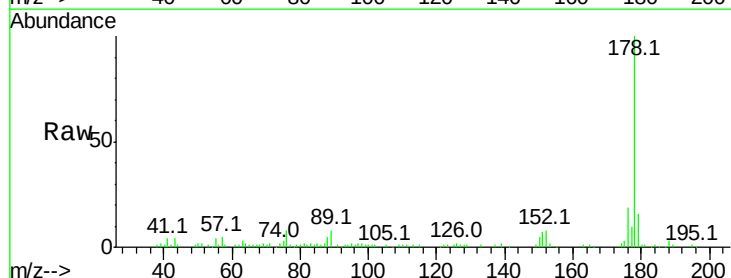
RT: 11.33 min Scan# 809

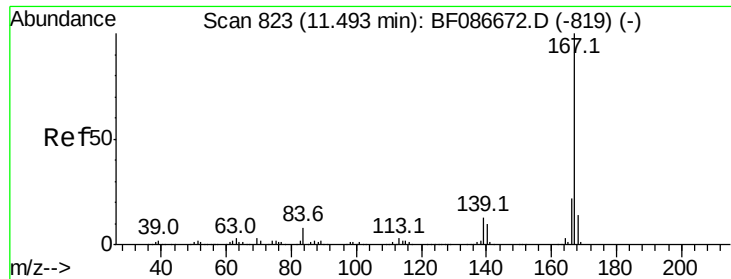
Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Tgt Ion:178	Resp:	91115
Ion Ratio	Lower	Upper
178 100		
176 18.7	15.6	23.4
179 15.9	12.7	19.1





#72

Carbazole

Concen: 2.94 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Instrument :

BNA_F

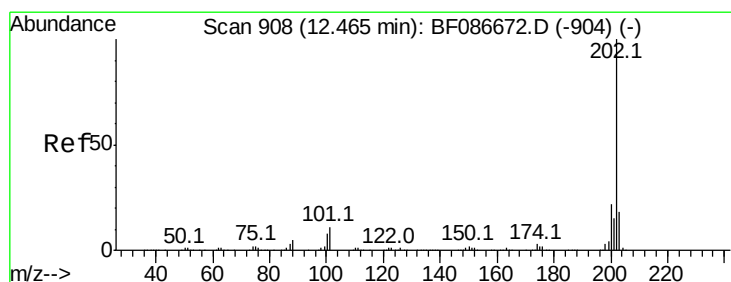
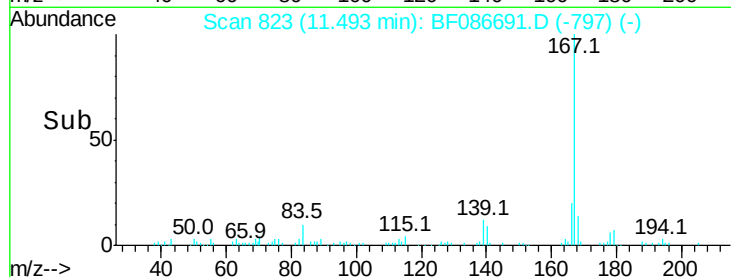
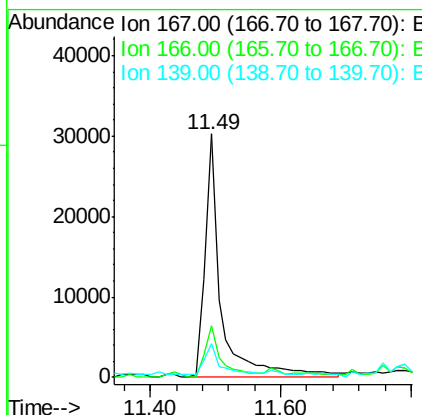
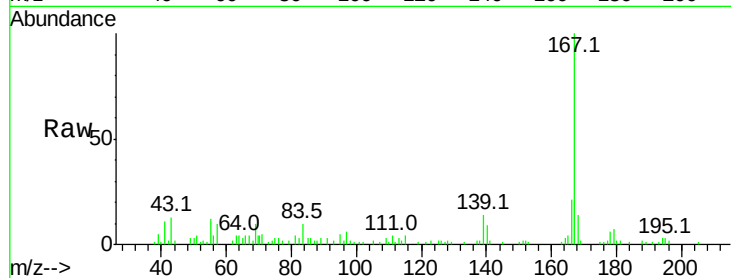
ClientSampleId :

26WARD-3-CS-9(0-12FTBGS)

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Tot Ion:	167	Resp:	51875
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.7	26.5
139	13.6	10.8	16.2



#74

Fluoranthene

Concen: 30.47 ng

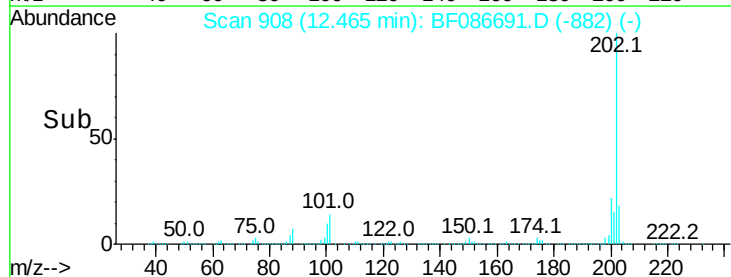
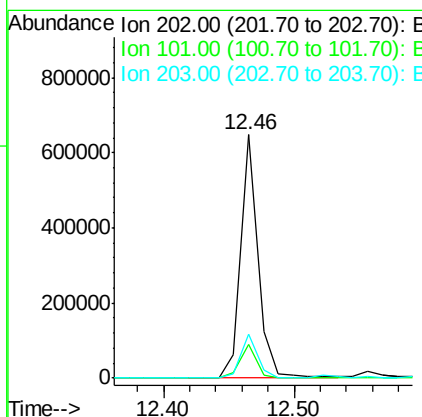
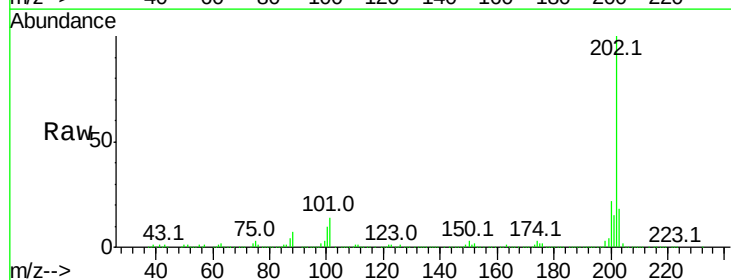
RT: 12.46 min Scan# 908

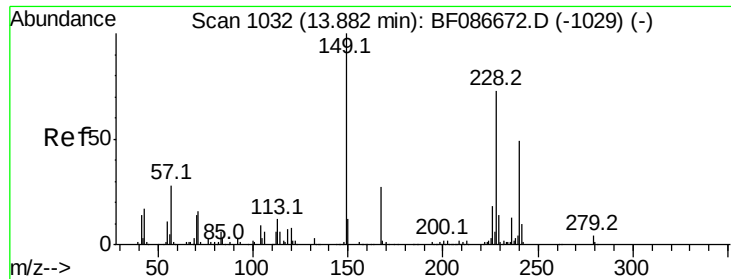
Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Tgt Ion:	202	Resp:	592042
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	35.4
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Instrument :

BNA_F

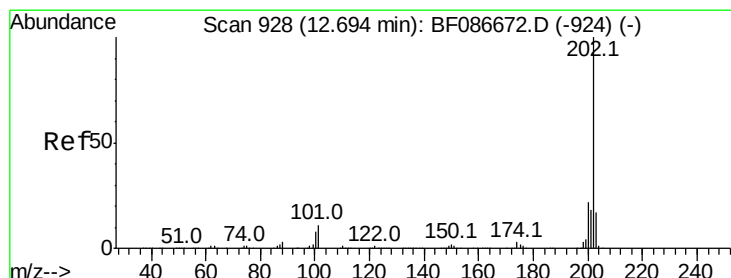
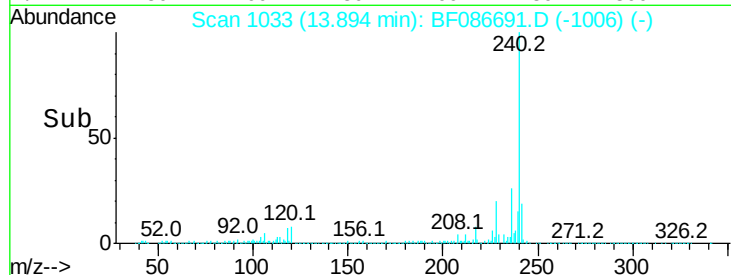
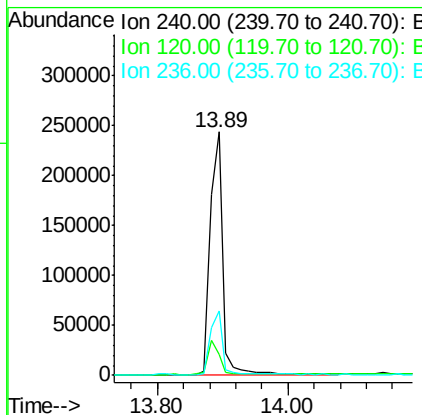
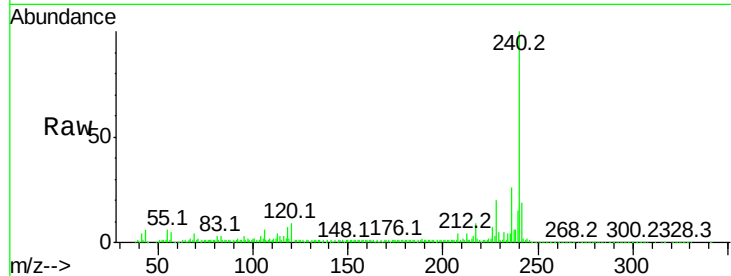
ClientSampleId :

26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	329617		
120	8.7	11.2	16.8#	
236	26.2	21.2	31.8	

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#77

Pyrene

Concen: 21.31 ng

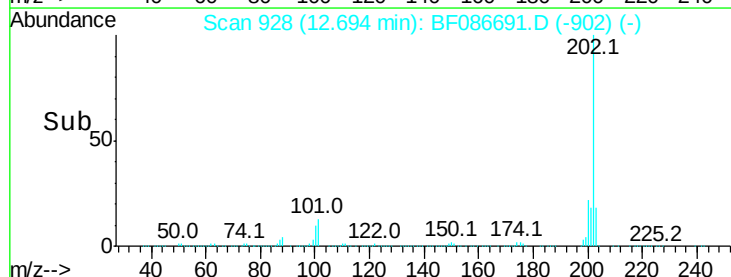
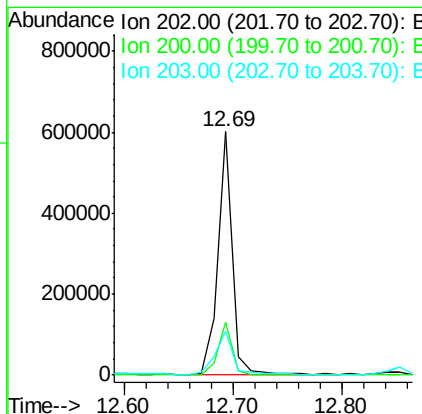
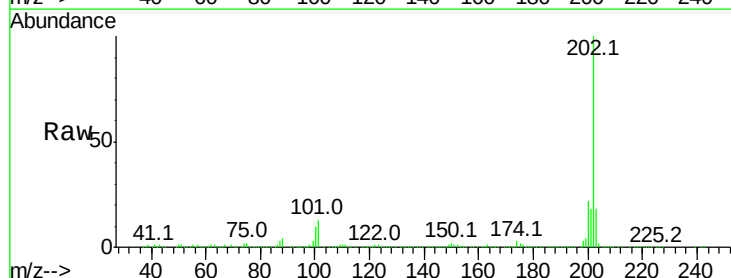
RT: 12.69 min Scan# 928

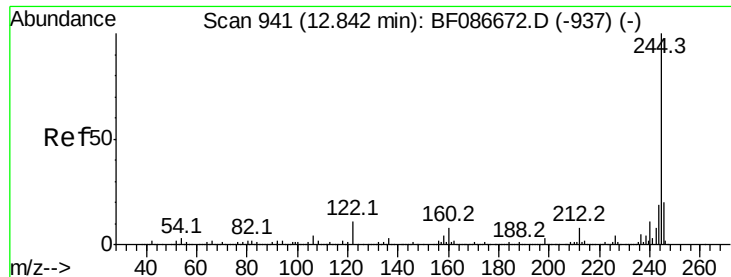
Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	560097		
200	21.9	17.7	26.5	
203	18.1	14.2	21.4	





#78

Terphenyl-d14

Concen: 62.74 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-9(0-12FTBGS)

Tot Ion:244 Resp: 1023223

Ion Ratio Lower Upper

244 100

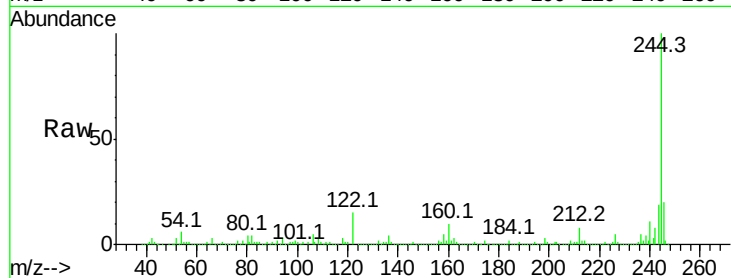
212 8.1 6.2 9.2

122 14.7 12.0 18.0

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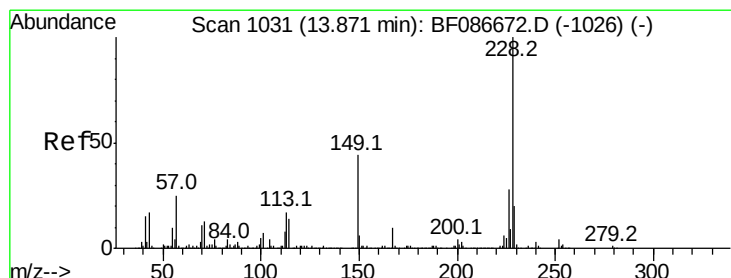
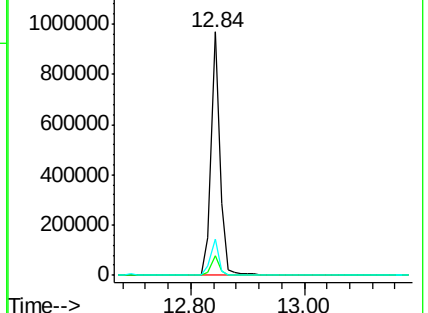
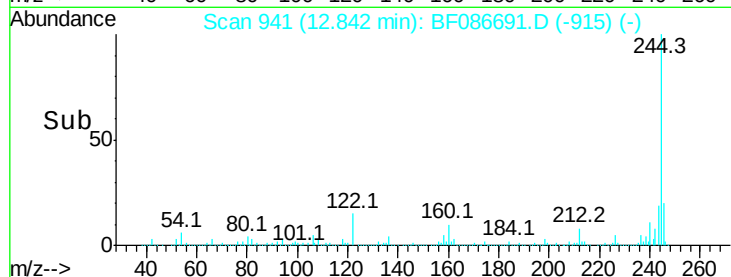
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 11.81 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

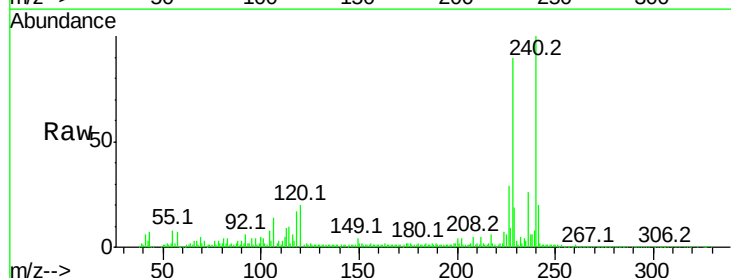
Tgt Ion:228 Resp: 220204

Ion Ratio Lower Upper

228 100

226 32.2 22.5 33.7

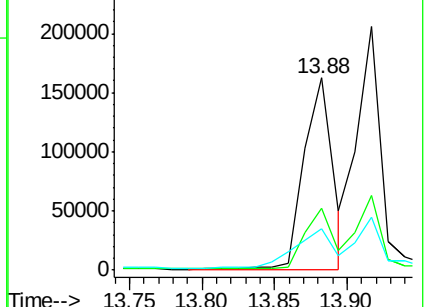
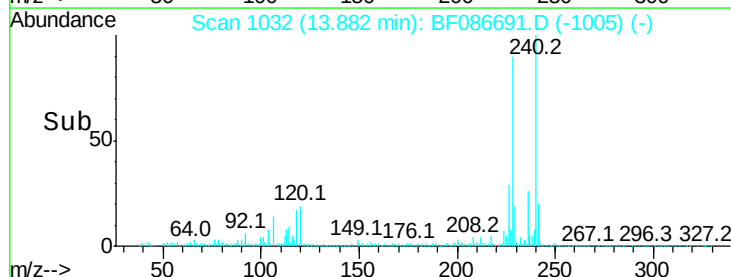
229 21.6 16.6 25.0

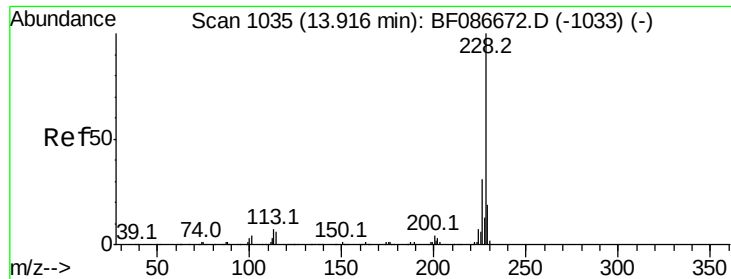


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.07 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Instrument :

BNA_F

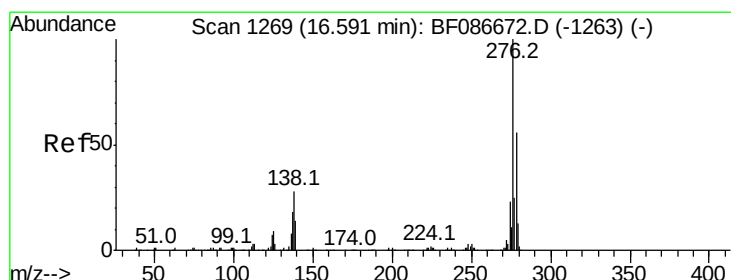
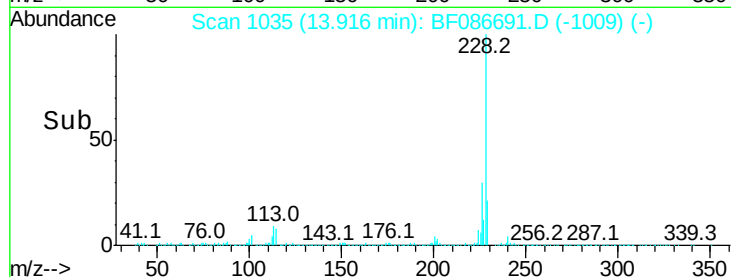
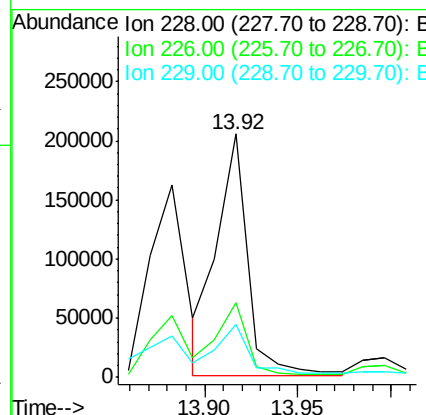
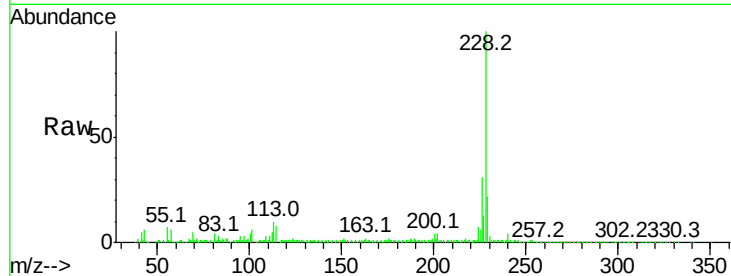
ClientSampleId :

26WARD-3-CS-9(0-12FTBGS)

Tot Ion:	228	Resp:	240132
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	21.8	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.66 ng

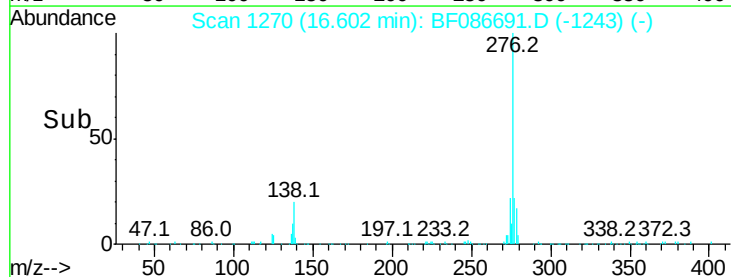
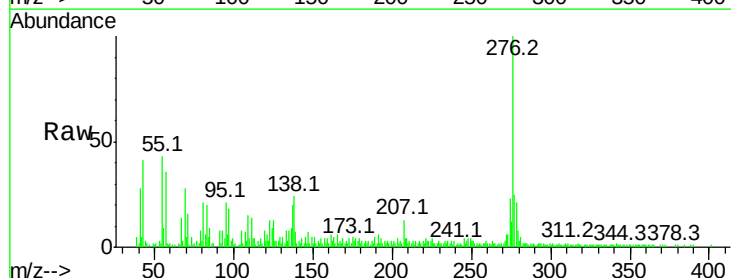
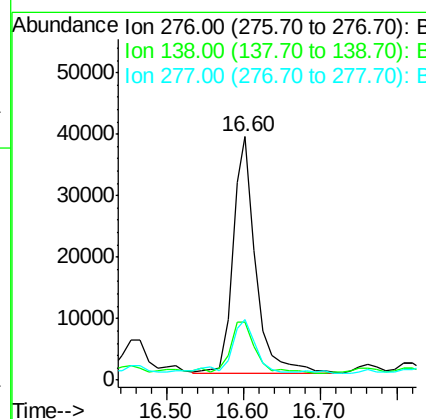
RT: 16.60 min Scan# 1270

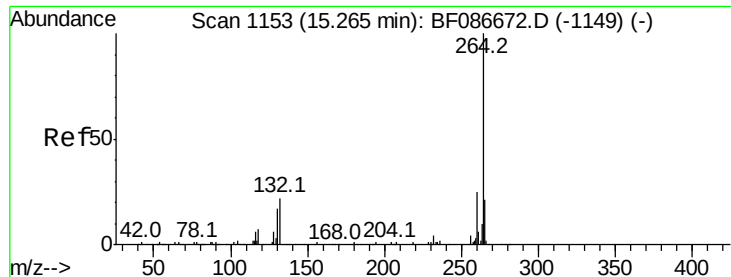
Delta R.T. 0.01 min

Lab File: BF086691.D

Acq: 4 May 2016 22:05

Tgt Ion:	276	Resp:	79441
Ion Ratio	Lower	Upper	
276	100		
138	25.5	25.6	38.4#
277	23.9	20.5	30.7





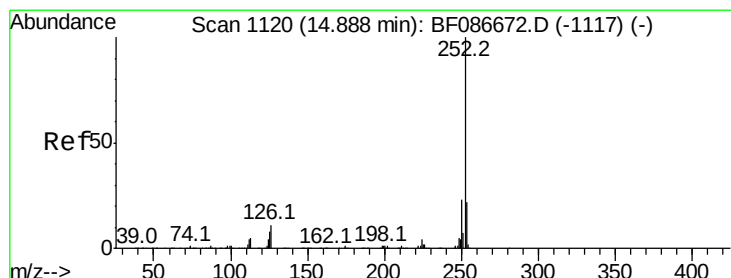
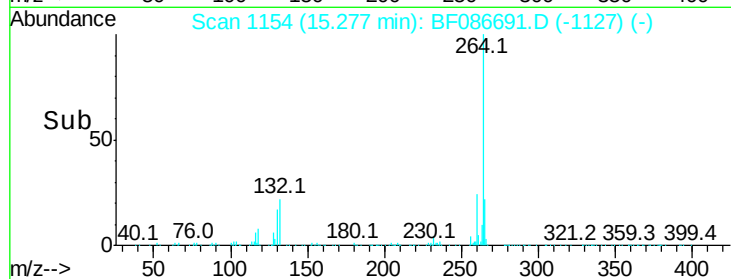
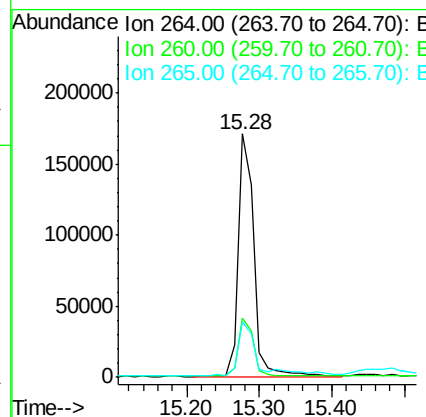
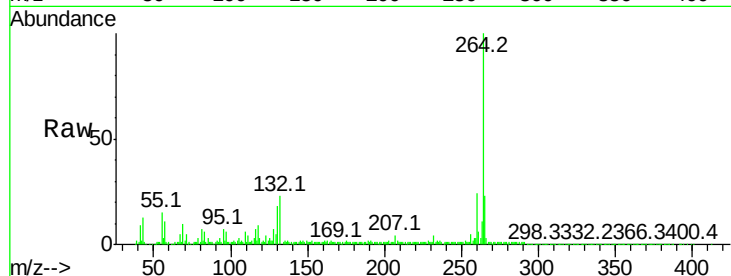
#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF086691.D
Acq: 4 May 2016 22:05

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.8	17.3	25.9

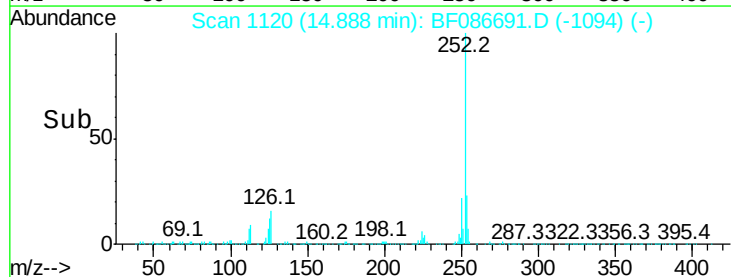
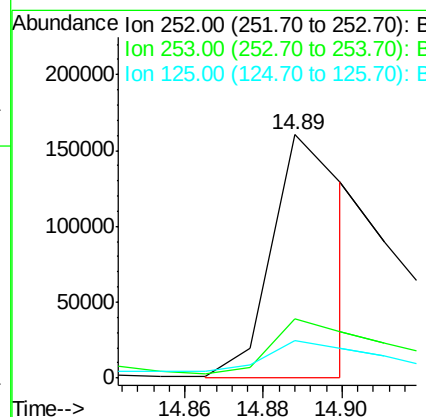
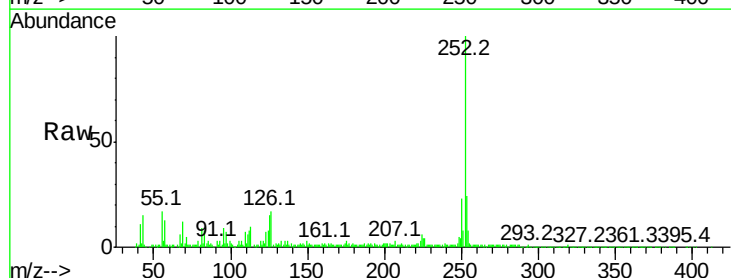
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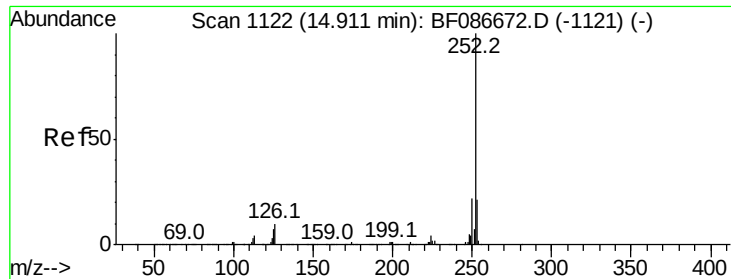
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#87
Benzo(b)fluoranthene
Concen: 14.00 ng m
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086691.D
Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	15.2	11.4	17.0





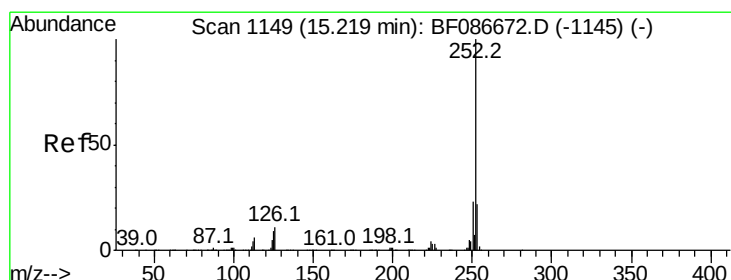
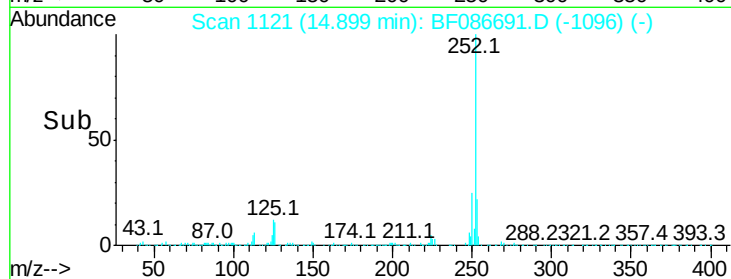
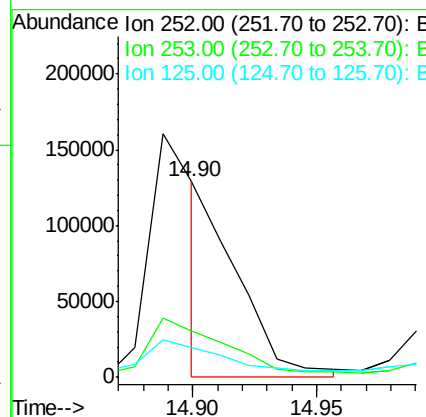
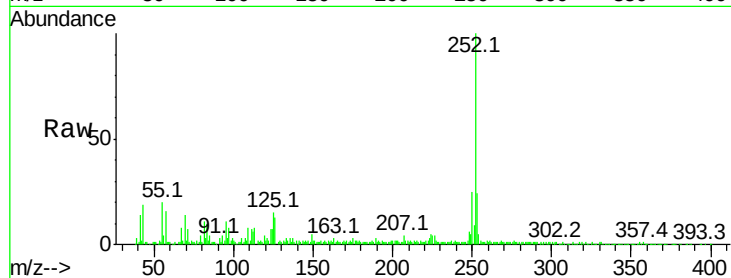
#88
Benzo(k)fluoranthene
Concen: 8.06 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF086691.D
Acq: 4 May 2016 22:05

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-9(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	15.4	9.1	13.7

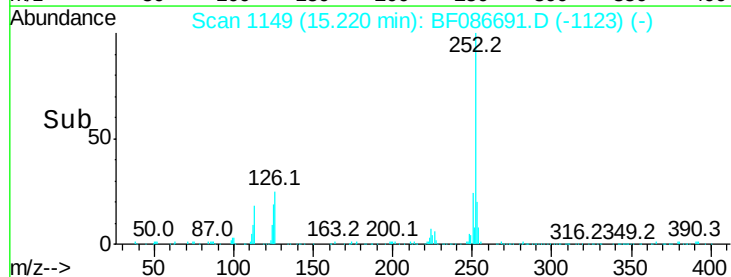
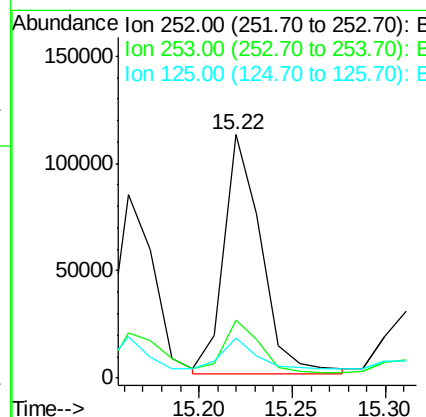
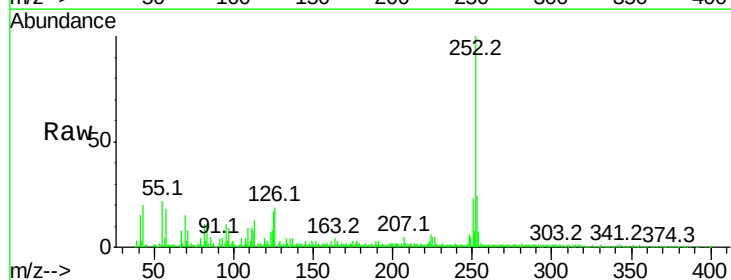
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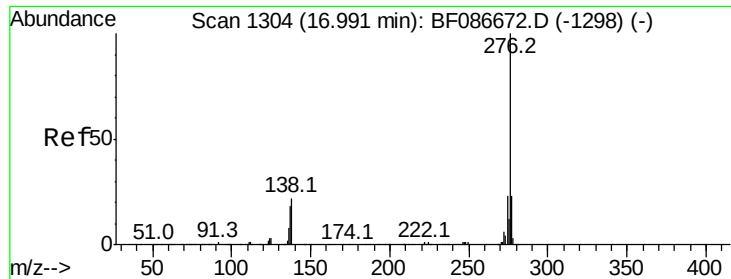
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#89
Benzo(a)pyrene
Concen: 11.24 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF086691.D
Acq: 4 May 2016 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	16.7	9.0	13.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.33 ng
 RT: 16.99 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF086691.D
 Acq: 4 May 2016 22:05

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-9(0-12FTBGS)

Tot Ion:	276	Resp:	75082
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.6	29.4
138	27.4	23.6	35.4

Manual Integrations
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