

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086697.D
 Acq On : 5 May 2016 00:56
 Operator : UM/SJ
 Sample : H2715-15 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-1(0-12FTBGS)

Manual Integrations
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Quant Time: May 05 04:58:40 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	162524	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	590713	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	235314	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	356806m	40.00	ng	0.00
75) Chrysene-d12	13.89	240	347333	40.00	ng	0.01
86) Perylene-d12	15.29	264	251762	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	676101	68.87	ng	0.00
7) Phenol-d6	6.38	99	925975	70.02	ng	0.01
23) Nitrobenzene-d5	7.30	82	516036	44.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	139721	60.70	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	778330	54.22	ng	0.00
78) Terphenyl-d14	12.84	244	566287	32.95	ng	0.00
Target Compounds						
31) Naphthalene	8.04	128	75853	2.51	ng	Qvalue 98
49) Dimethylphthalate	9.50	163	84219	4.80	ng	98
51) Acenaphthene	9.80	154	72772	5.01	ng	97
54) Dibenzofuran	9.98	168	55579	3.08	ng	96
57) Fluorene	10.32	166	76209	5.22	ng	# 98
70) Phenanthrene	11.29	178	1050203	54.80	ng	99
71) Anthracene	11.33	178	286204	14.26	ng	99
72) Carbazole	11.49	167	117842	6.76	ng	99
74) Fluoranthene	12.46	202	1441493	75.05	ng	99
77) Pyrene	12.69	202	1296370	46.82	ng	98
80) Benzo(a)anthracene	13.88	228	737546	37.55	ng	98
82) Chrysene	13.92	228	522335	24.92	ng	97
85) Indeno(1,2,3-cd)pyrene	16.61	276	209970	11.68	ng	94
87) Benzo(b)fluoranthene	14.90	252	582225m	38.49	ng	
88) Benzo(k)fluoranthene	14.91	252	224194m	15.73	ng	
89) Benzo(a)pyrene	15.23	252	401609	28.82	ng	96
90) Dibenzo(a,h)anthracene	16.61	278	48311	3.61	ng	# 86
91) Benzo(g,h,i)perylene	17.00	276	194385	13.83	ng	97

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

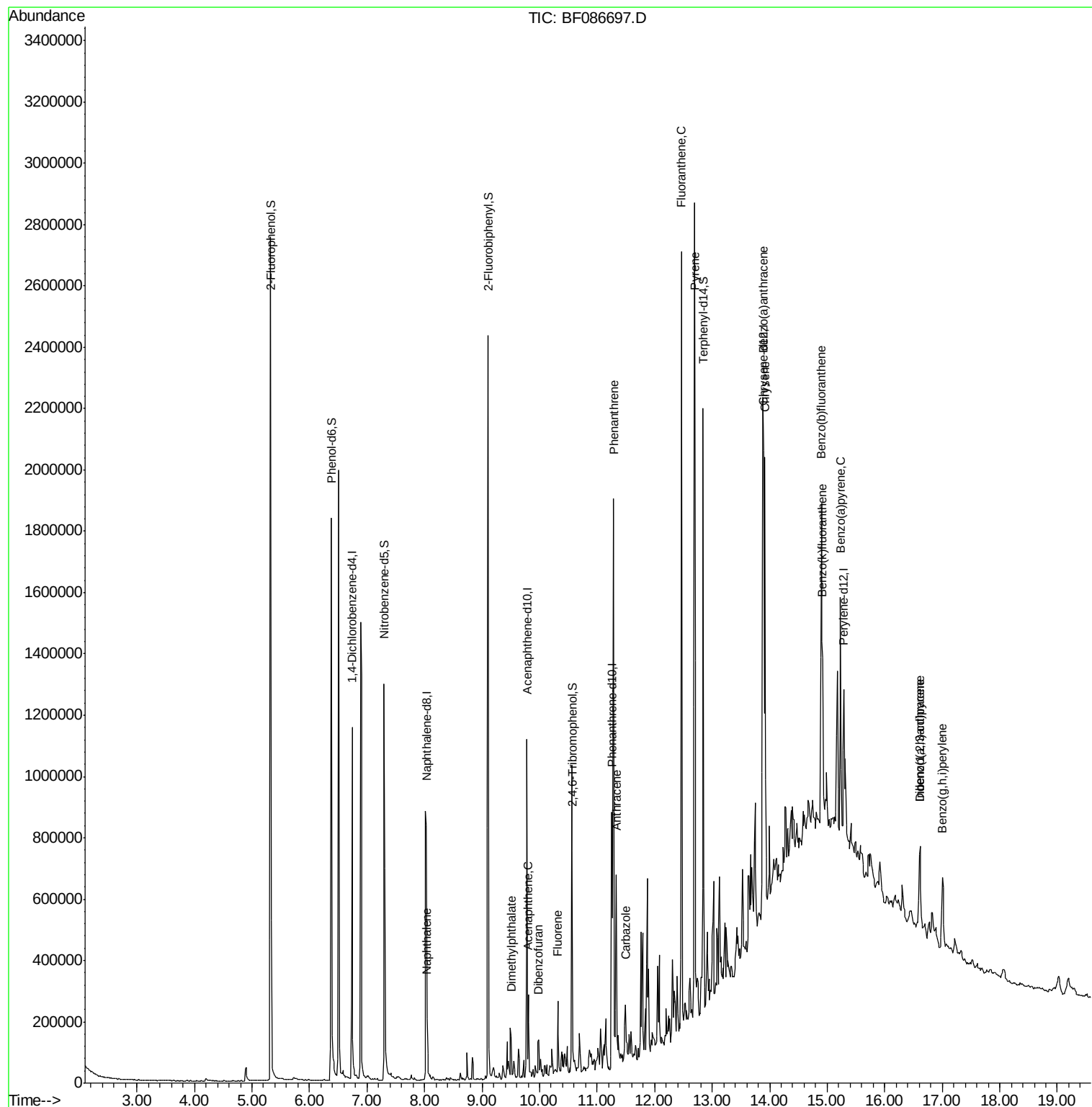
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
Data File : BF086697.D
Acq On : 5 May 2016 00:56
Operator : UM/SJ
Sample : H2715-15 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

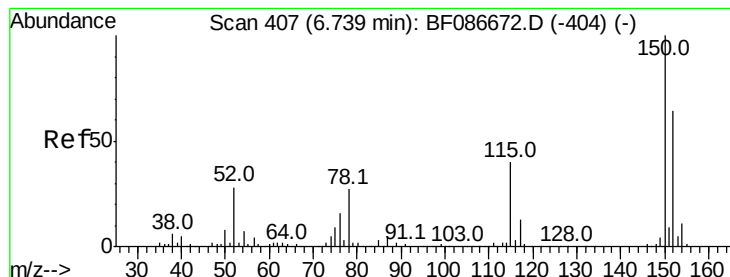
Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

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Quant Time: May 05 04:58:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

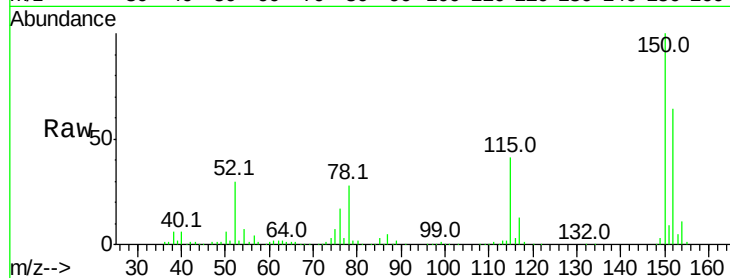
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	162524		
150	157.0	125.8	188.6	
115	64.4	51.5	77.3	

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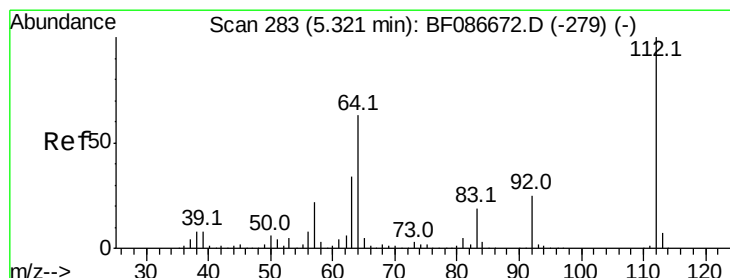
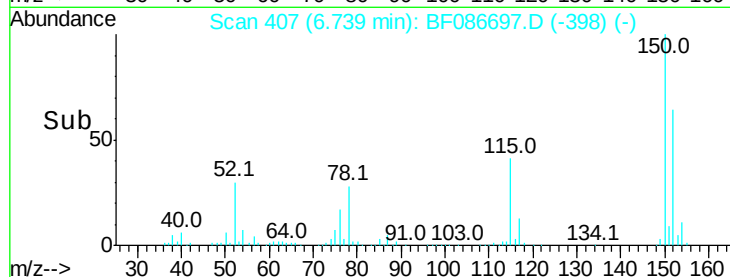
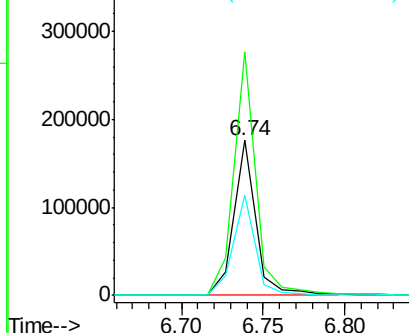


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

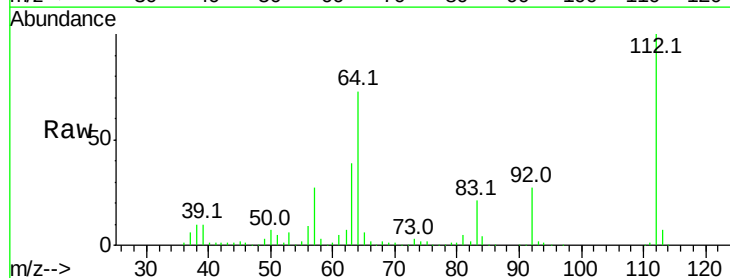
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.87 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	676101		
64	73.1	52.1	78.1	
63	39.5	25.7	38.5	

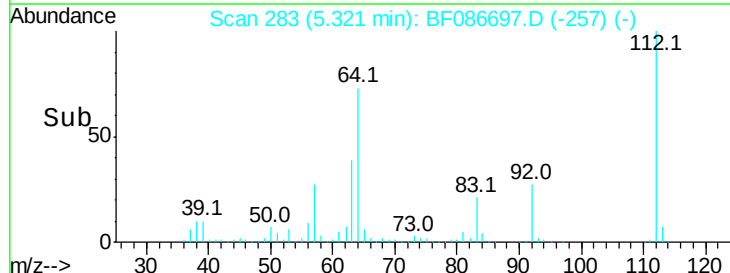
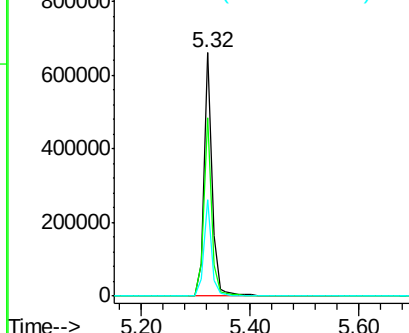


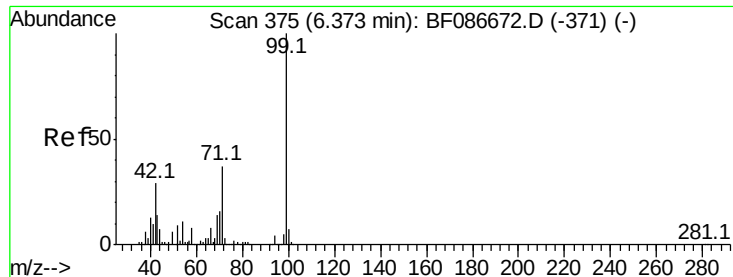
Abundance

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: 70.02 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

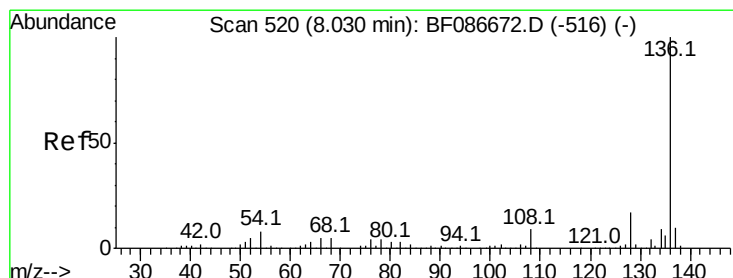
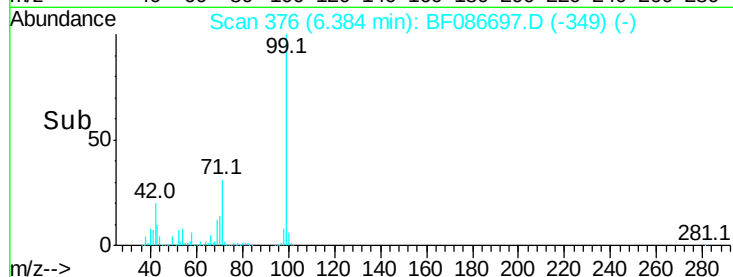
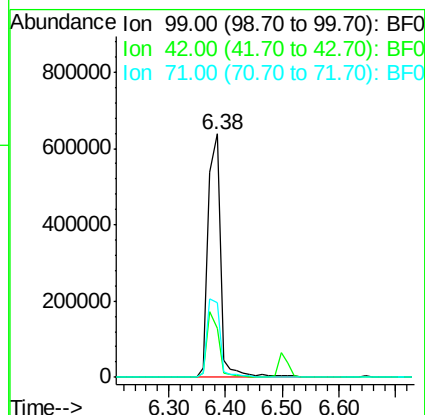
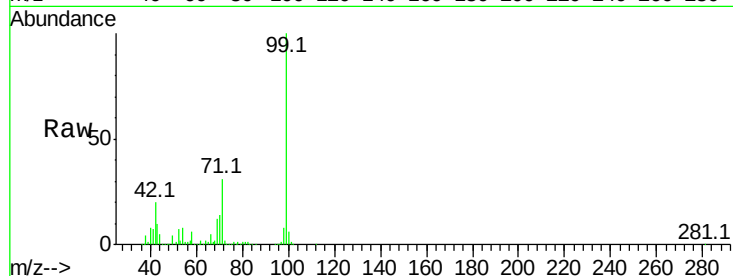
ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		925975		
42	20.3	13.6	20.4		
71	30.8	24.6	36.8		



#21

Naphthalene-d8

Concen: 40.00 ng

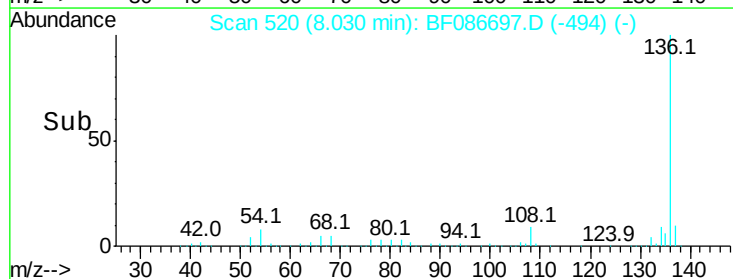
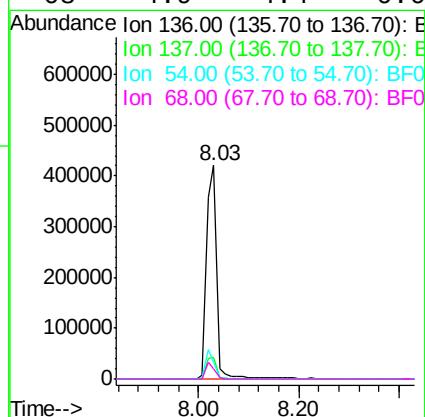
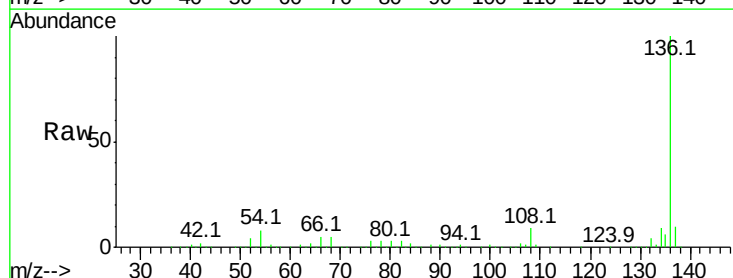
RT: 8.03 min Scan# 520

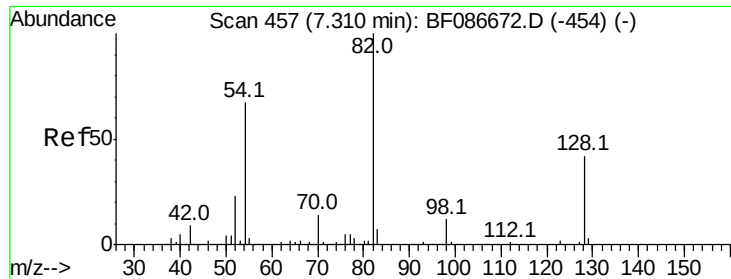
Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		590713		
137	10.4	8.8	13.2		
54	7.9	5.0	7.4#		
68	4.9	4.4	6.6		





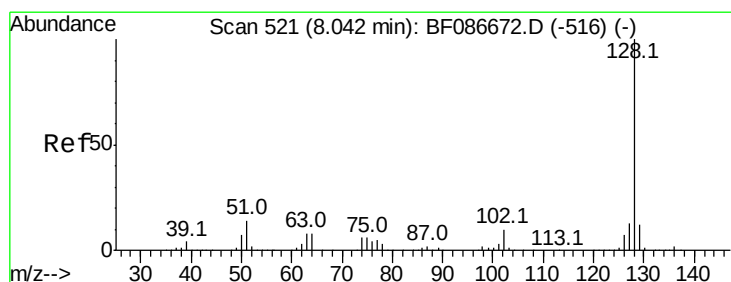
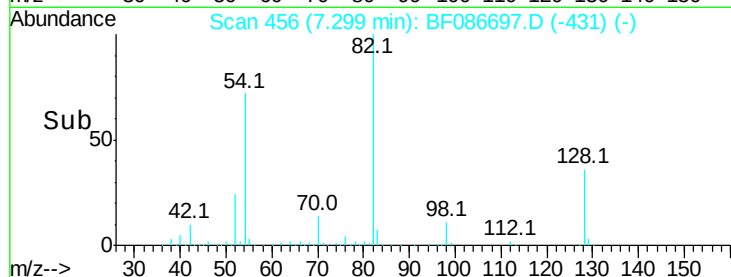
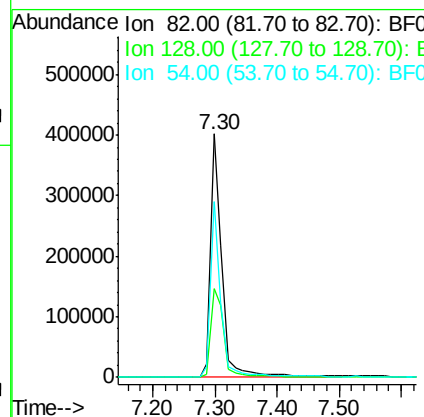
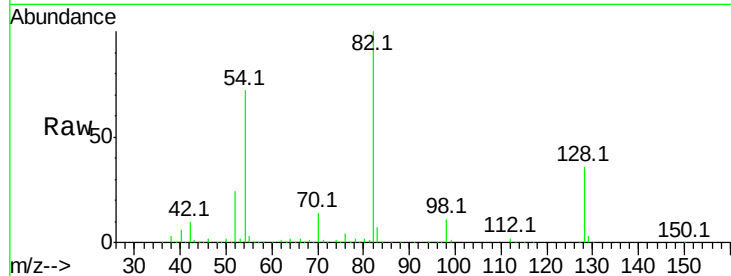
#23
 Nitrobenzene-d5
 Concen: 44.89 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086697.D
 Acq: 5 May 2016 00:56

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.5	40.6	61.0#
54	72.5	38.1	57.1#

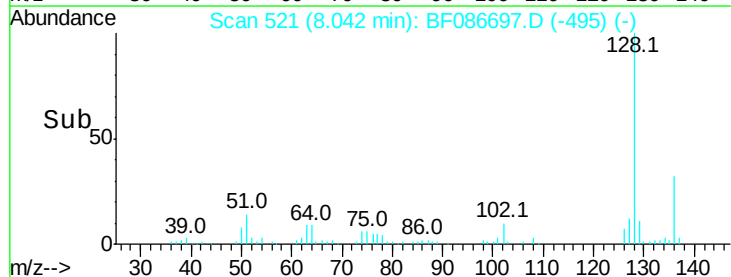
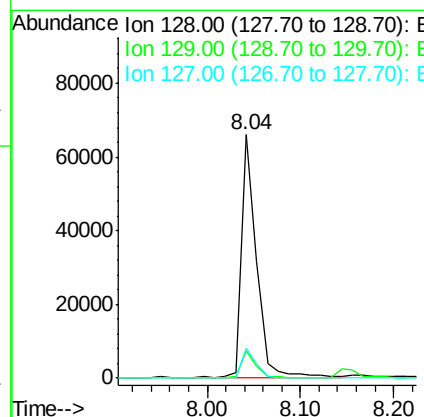
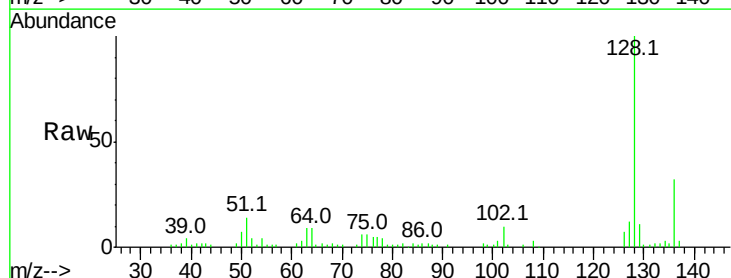
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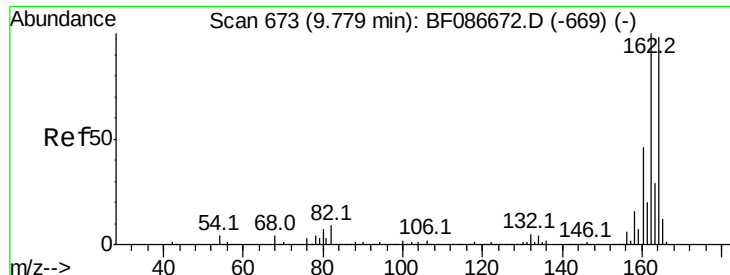
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#31
 Naphthalene
 Concen: 2.51 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF086697.D
 Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.4	10.8	16.2





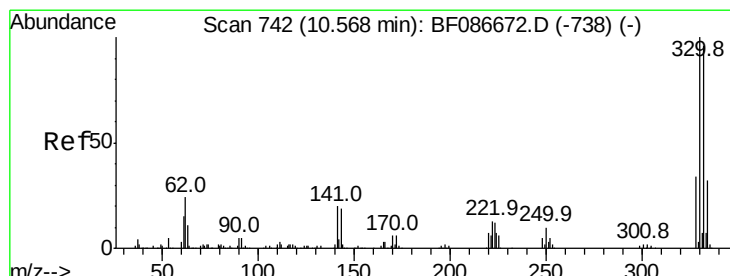
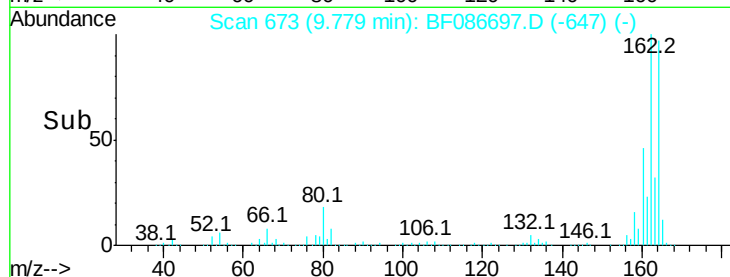
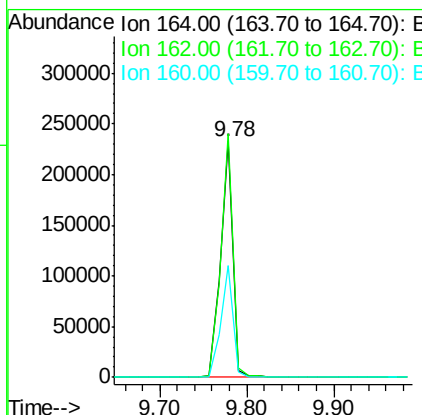
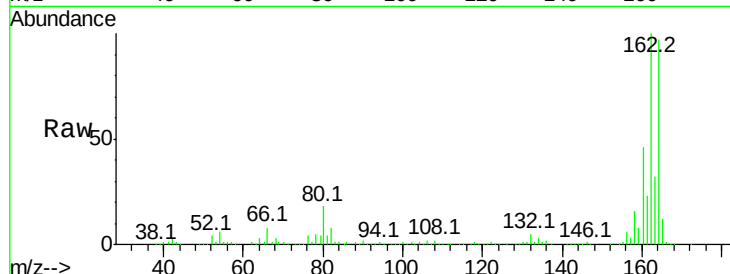
#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	235314		
162	103.3	82.8	124.2	
160	47.3	36.9	55.3	

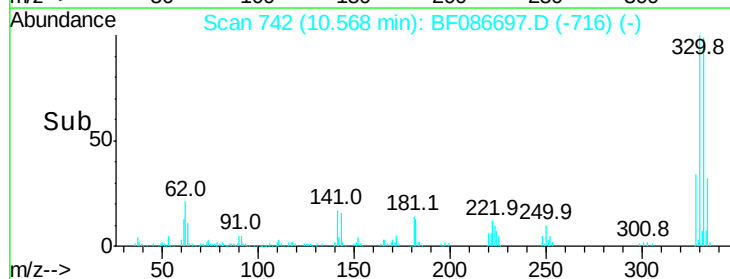
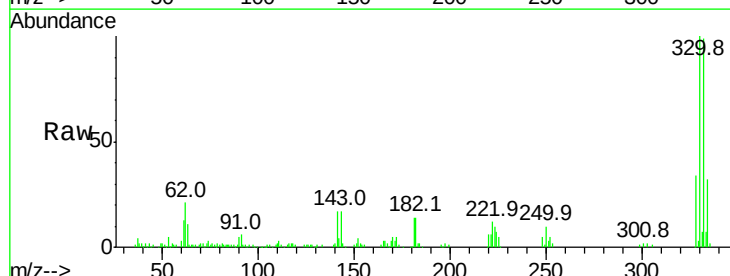
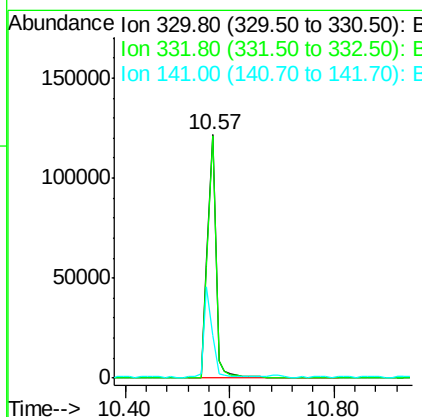
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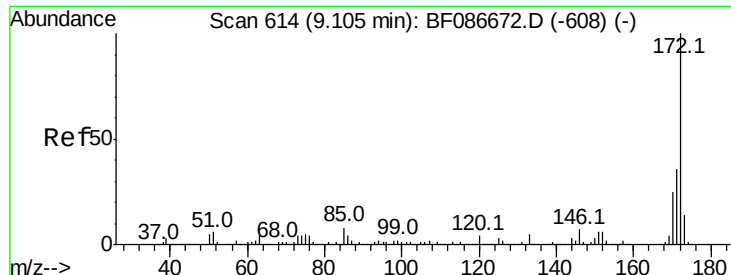
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#41
2,4,6-Tribromophenol
Concen: 60.70 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	139721		
332	97.7	79.0	118.4	
141	36.0	31.2	46.8	





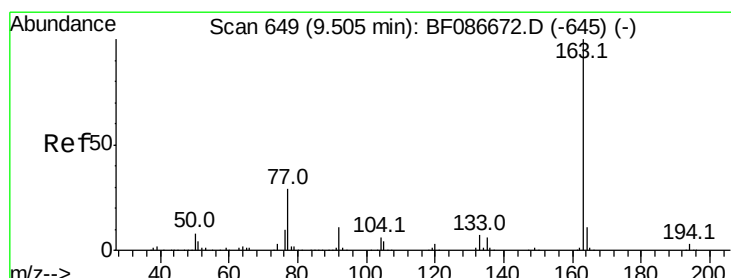
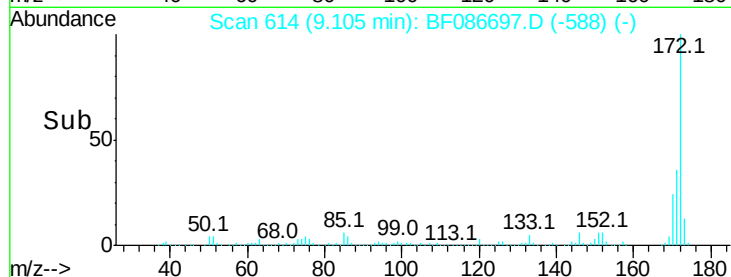
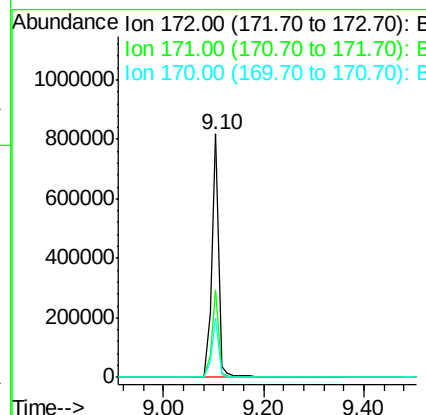
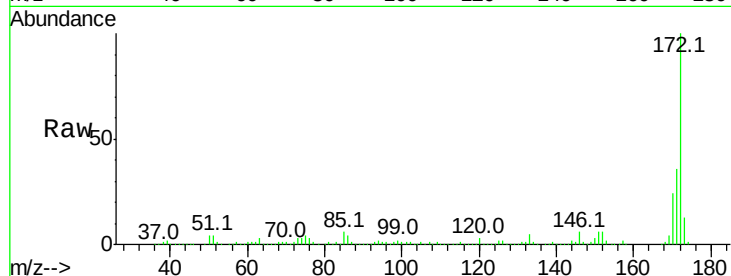
#44
2-Fluorobiphenyl
Concen: 54.22 ng
RT: 9.10 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	778330		
171	35.8		29.0	43.6
170	24.2		19.8	29.8

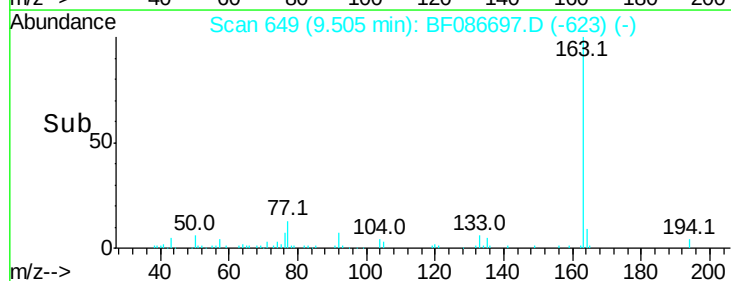
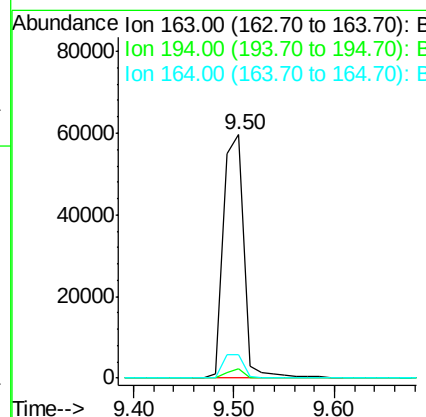
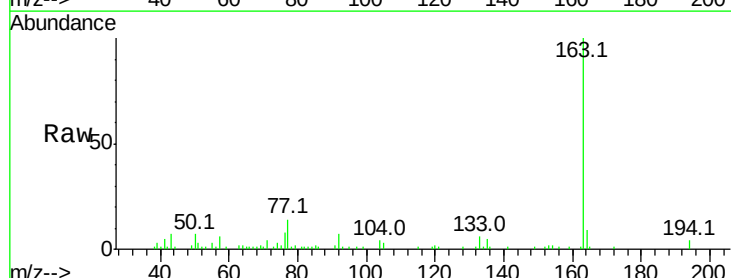
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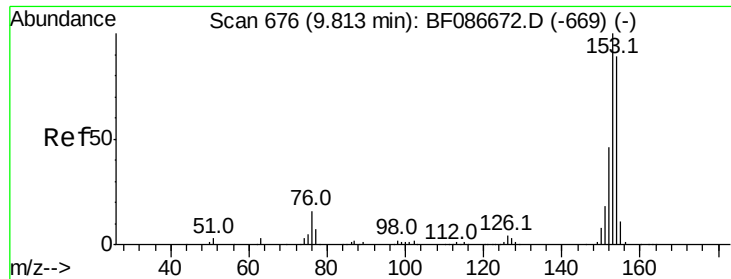
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#49
Dimethylphthalate
Concen: 4.80 ng
RT: 9.50 min Scan# 649
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	84219		
194	3.7		2.6	4.0
164	9.4		8.2	12.4





#51

Acenaphthene

Concen: 5.01 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

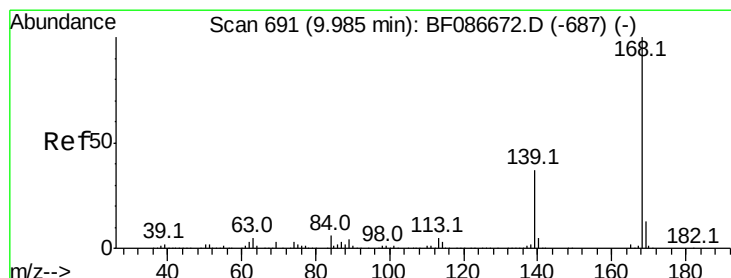
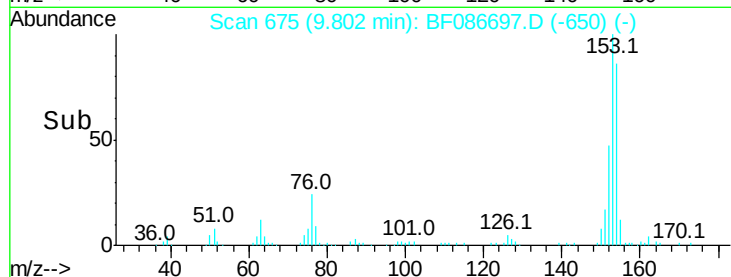
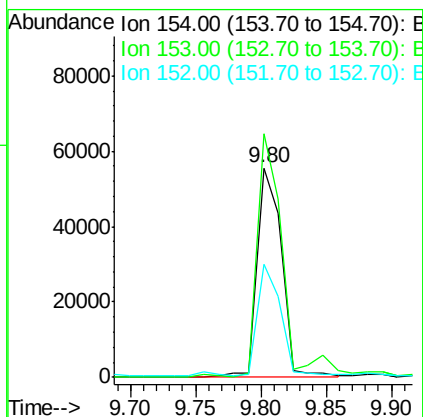
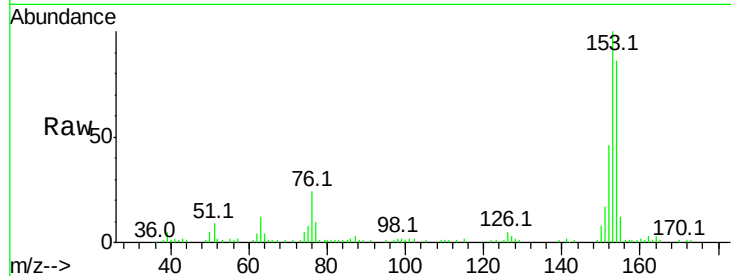
ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

Tot Ion:	154	Resp:	72772
Ion Ratio	Lower	Upper	
154	100		
153	116.3	89.8	134.6
152	54.0	43.4	65.0

Manual Integrations
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#54

Dibenzofuran

Concen: 3.08 ng

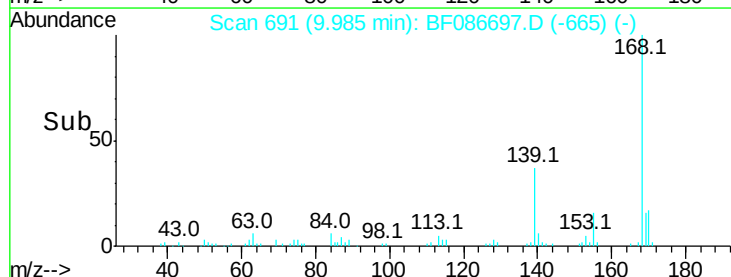
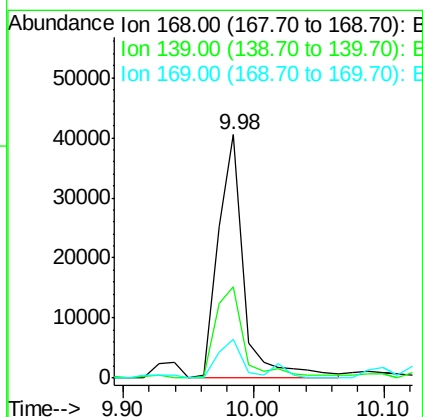
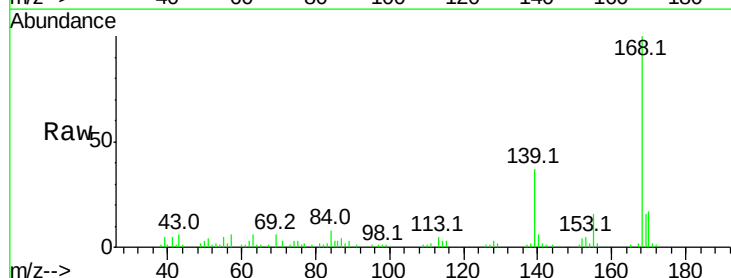
RT: 9.98 min Scan# 691

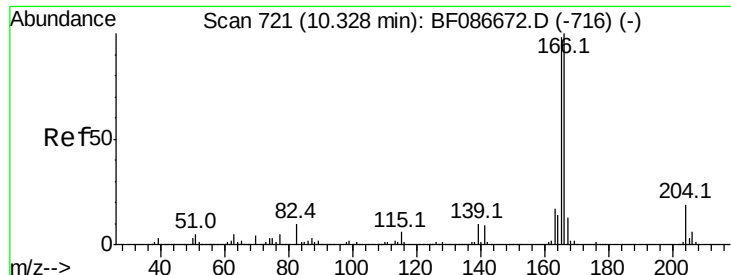
Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Tgt Ion:	168	Resp:	55579
Ion Ratio	Lower	Upper	
168	100		
139	37.3	31.4	47.0
169	15.9	10.7	16.1





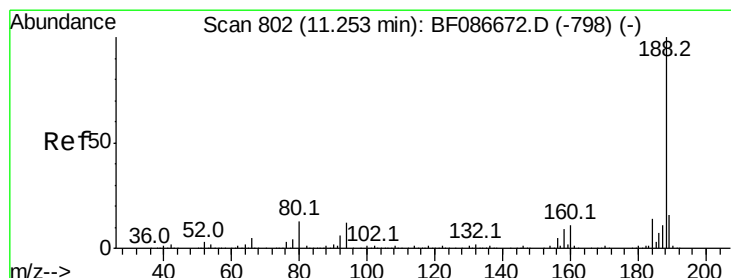
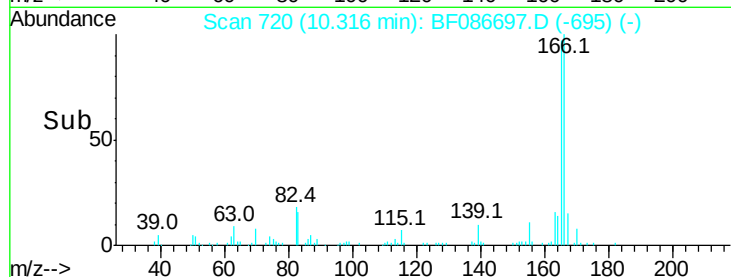
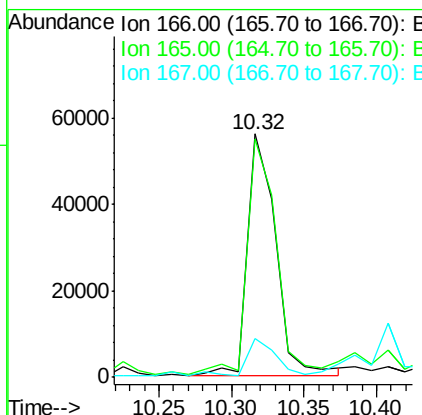
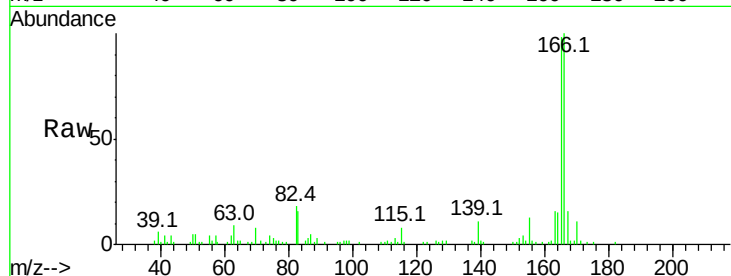
#57
Fluorene
Concen: 5.22 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.0	118.6
167	16.1	10.6	15.8#

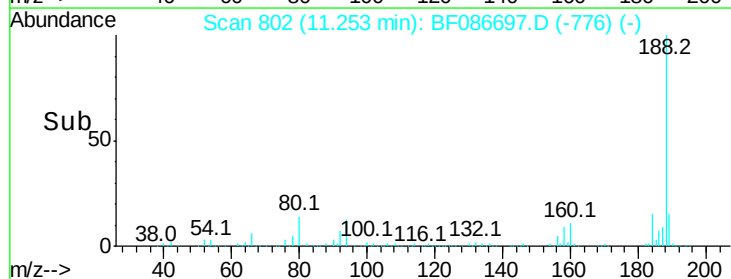
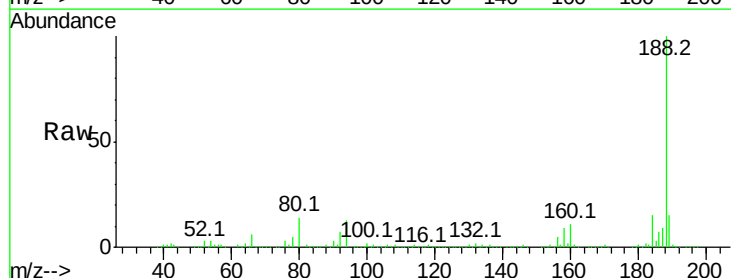
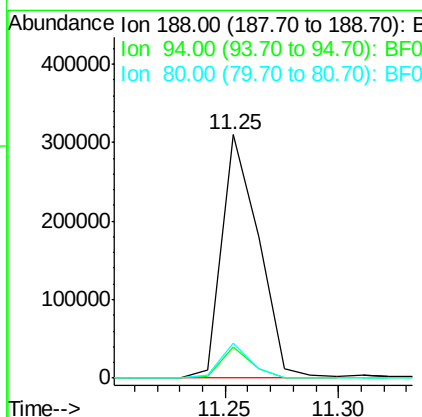
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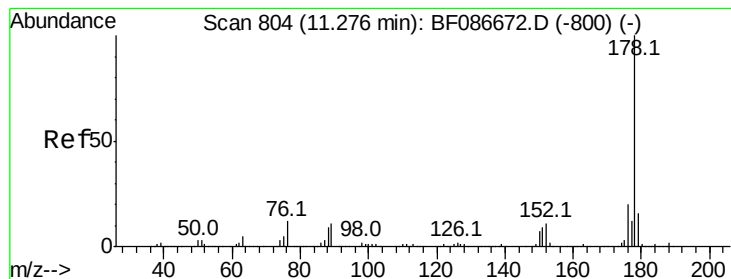
sohil
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#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.0	6.8	10.2#
80	14.5	7.1	10.7#





#70

Phenanthrene

Concen: 54.80 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.01 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

Tot Ion:178 Resp: 1050203

Ion Ratio Lower Upper

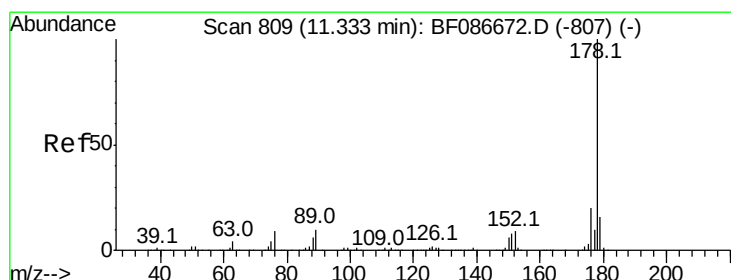
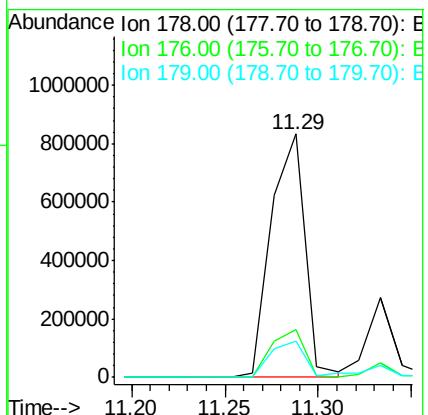
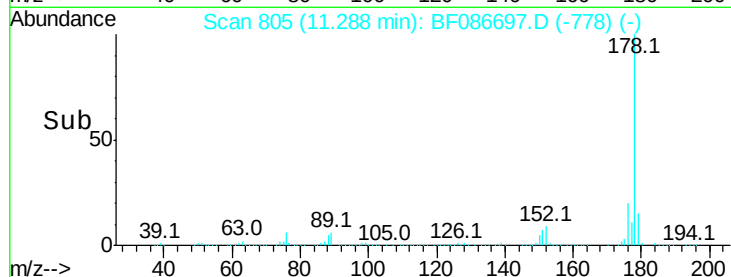
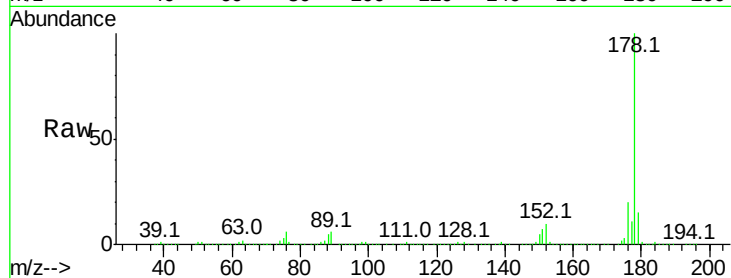
178 100

176 19.6 16.0 24.0

179 15.1 12.6 18.8

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#71

Anthracene

Concen: 14.26 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

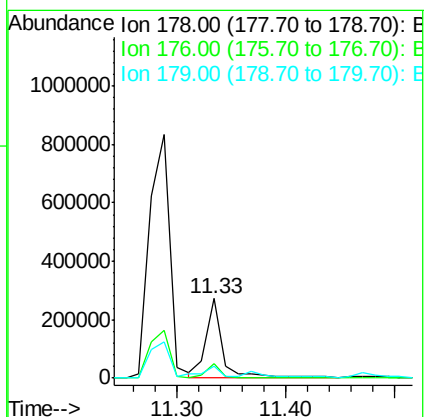
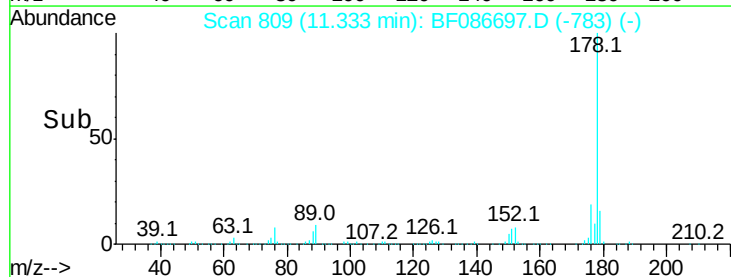
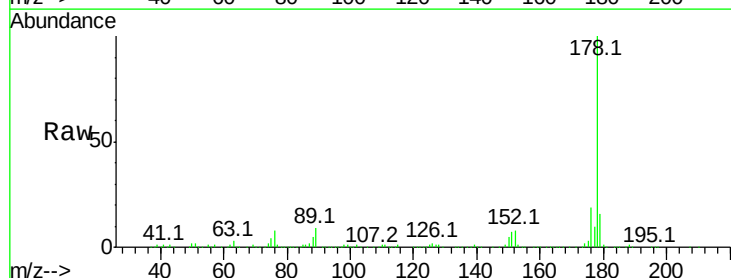
Tgt Ion:178 Resp: 286204

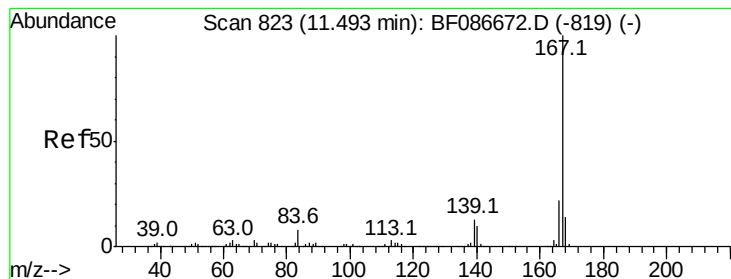
Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 15.7 12.7 19.1





#72

Carbazole

Concen: 6.76 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

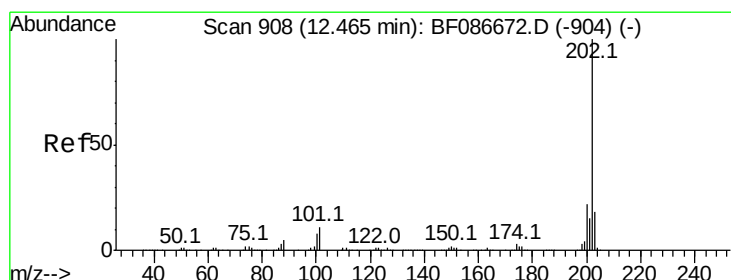
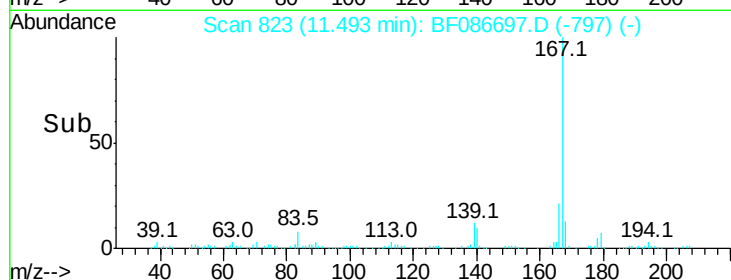
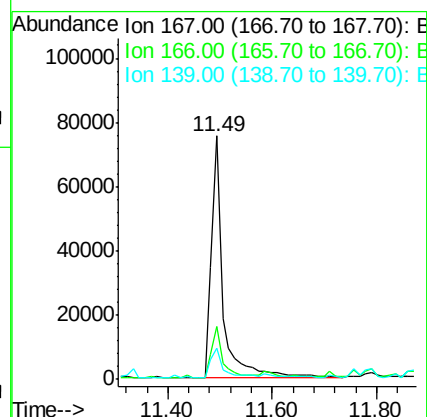
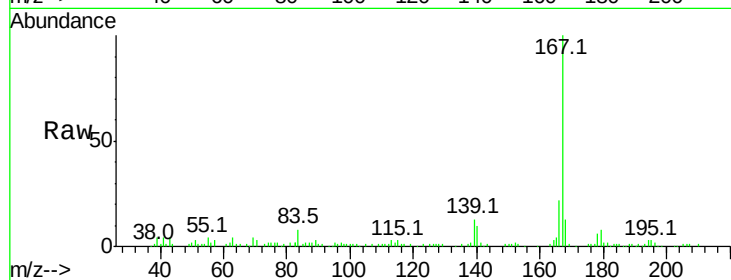
ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

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Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.0	10.8	16.2



#74

Fluoranthene

Concen: 75.05 ng

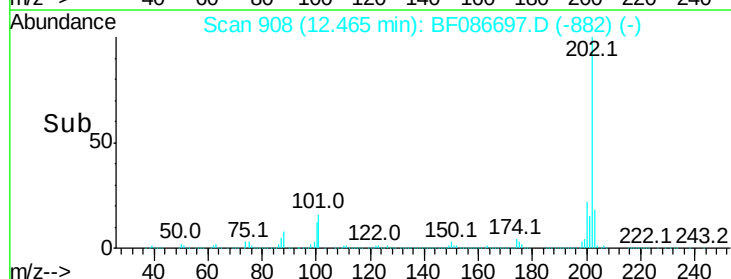
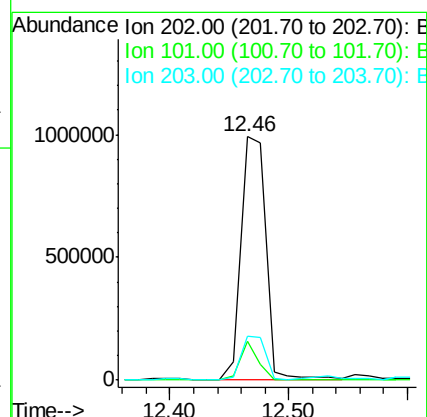
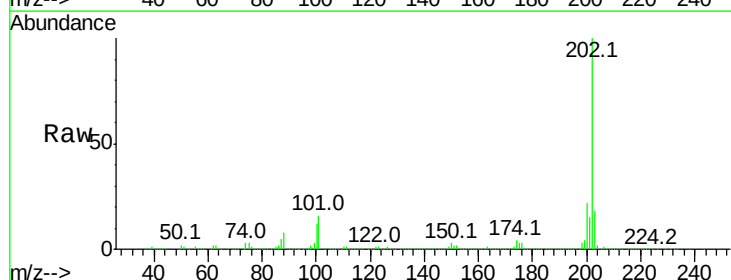
RT: 12.46 min Scan# 908

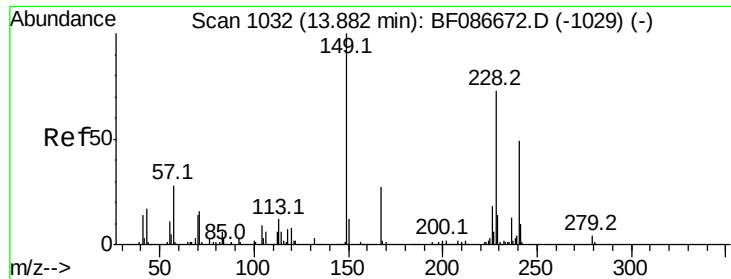
Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	35.4
203	18.2	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: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

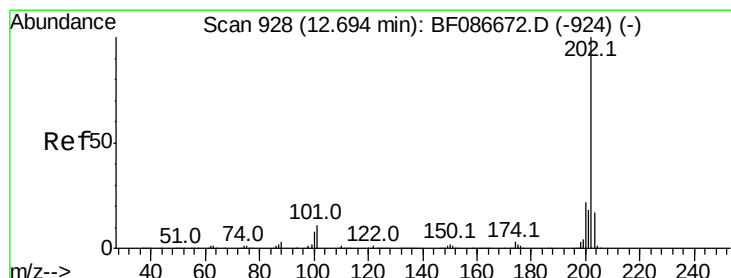
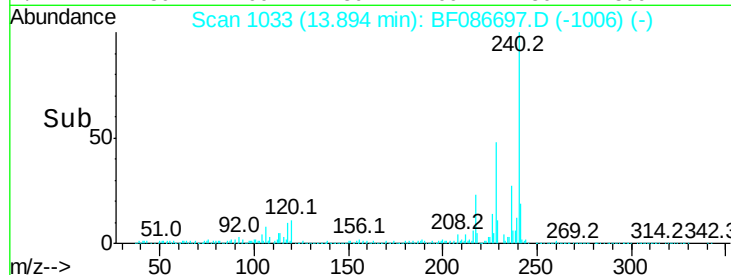
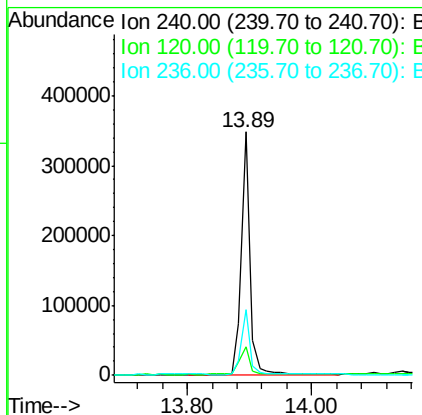
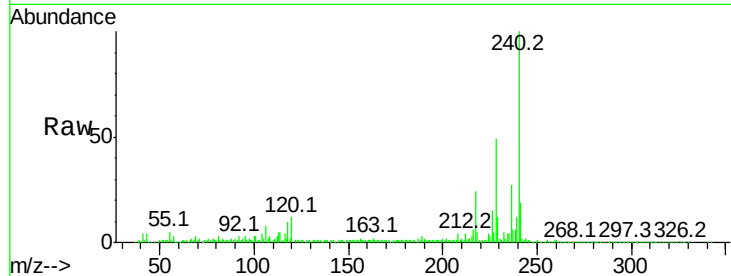
ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

Tot Ion:	240	Resp:	347333
Ion Ratio	Lower	Upper	
240	100		
120	11.7	11.2	16.8
236	27.2	21.2	31.8

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#77

Pyrene

Concen: 46.82 ng

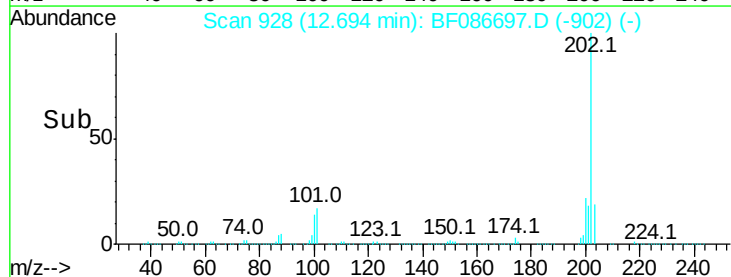
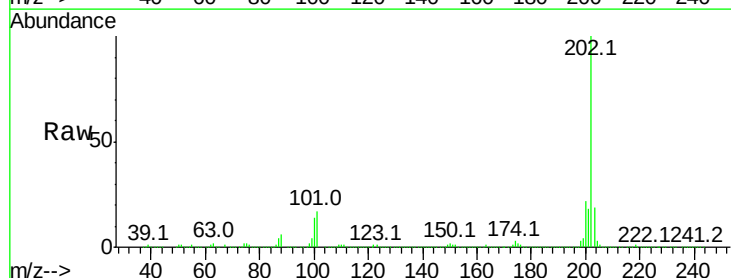
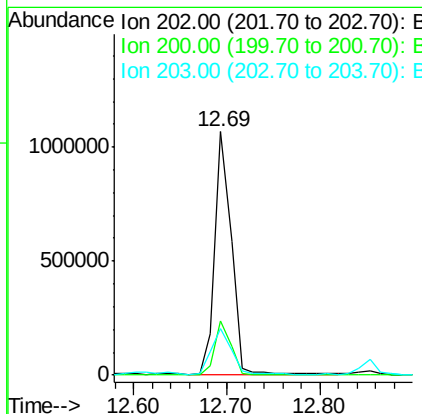
RT: 12.69 min Scan# 928

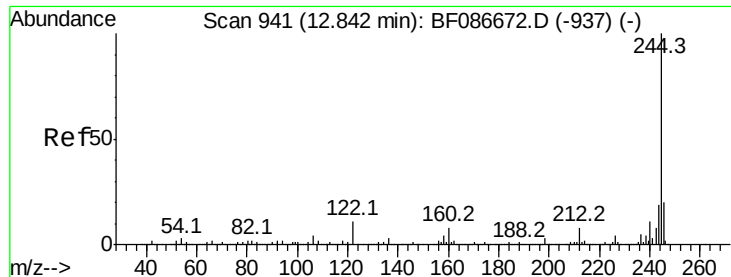
Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Tgt Ion:	202	Resp:	1296370
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.7	26.5
203	19.3	14.2	21.4





#78

Terphenyl-d14

Concen: 32.95 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

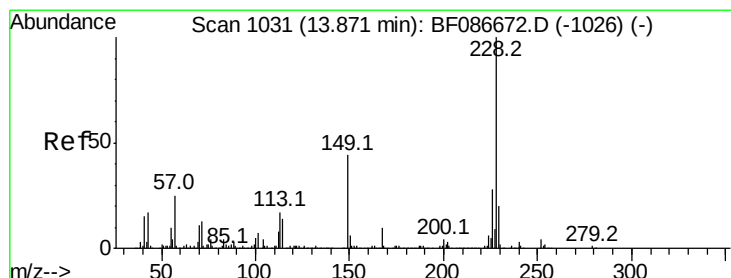
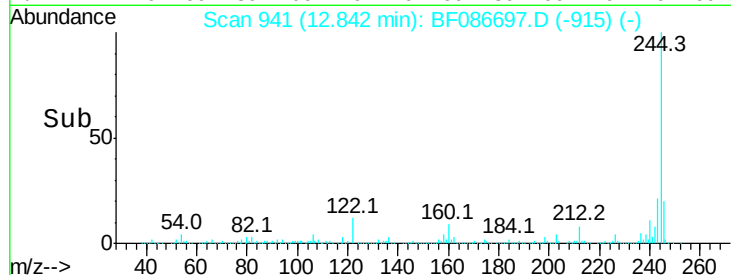
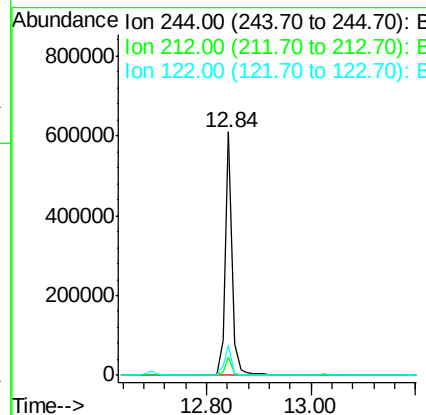
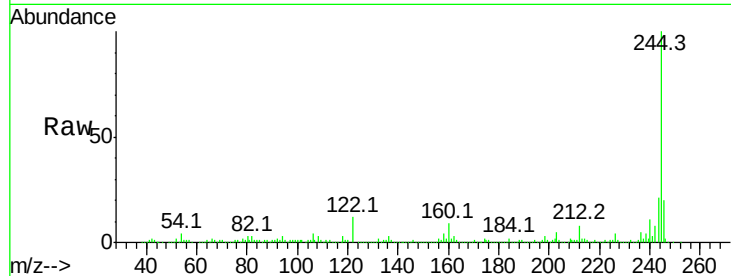
ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

Tot Ion:	244	Resp:	566287
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	12.4	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 37.55 ng

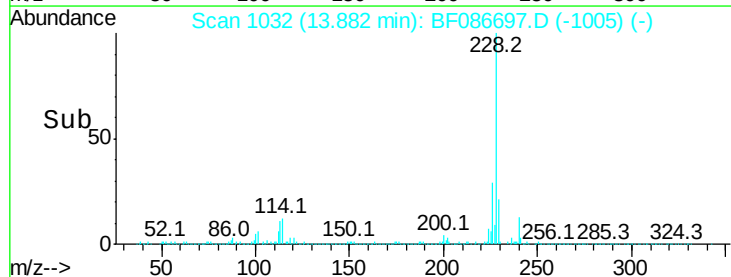
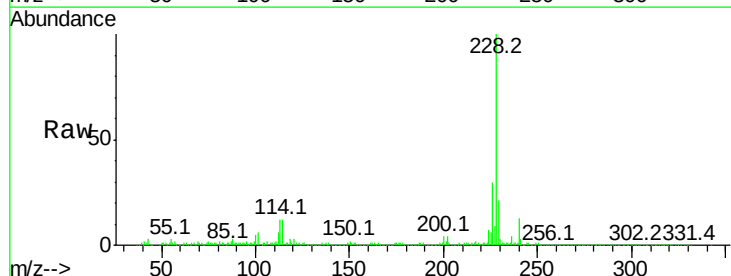
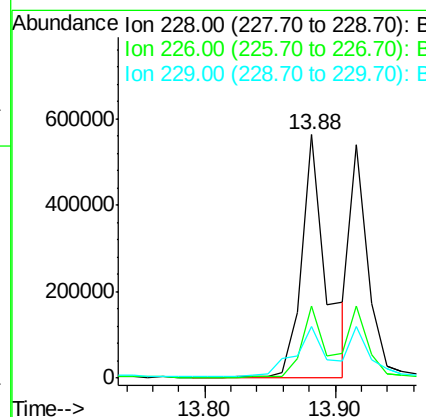
RT: 13.88 min Scan# 1032

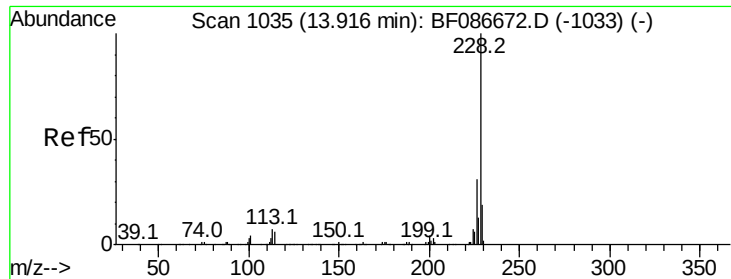
Delta R.T. 0.01 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Tgt Ion:	228	Resp:	737546
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.5	33.7
229	21.4	16.6	25.0





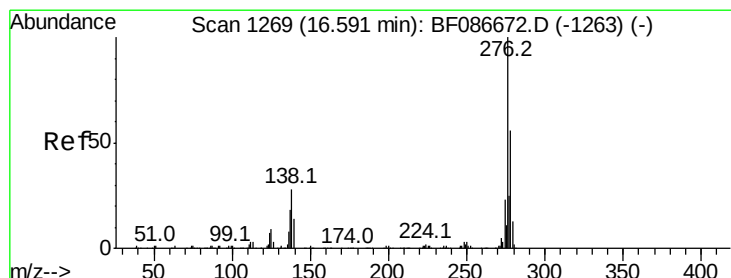
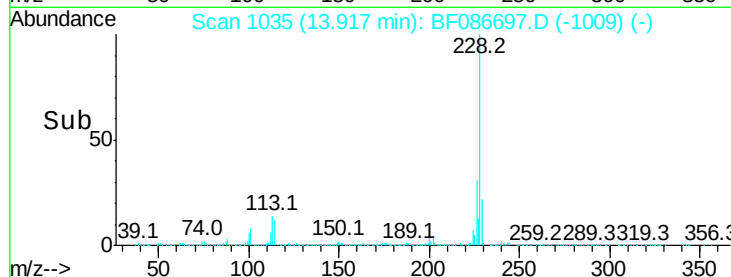
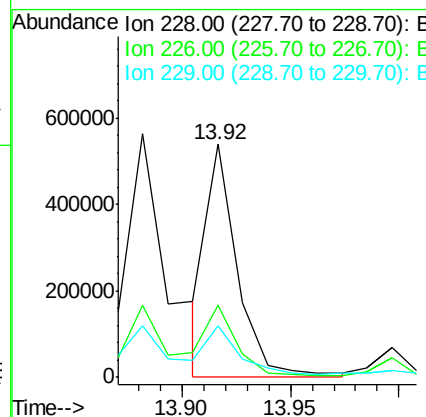
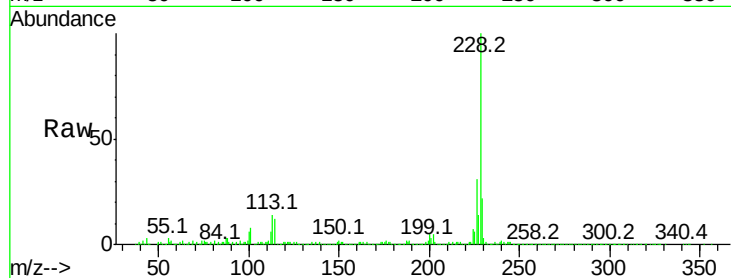
#82
Chrysene
Concen: 24.92 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	522335		
226	31.1	24.4	36.6	
229	22.3	15.8	23.8	

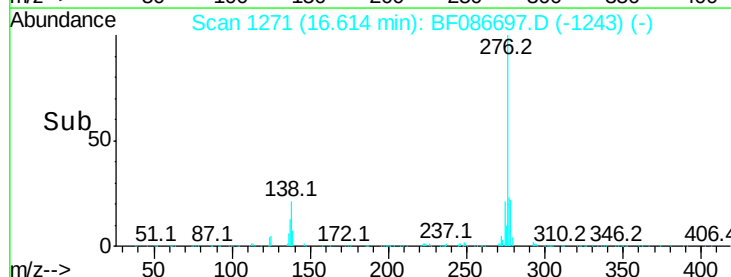
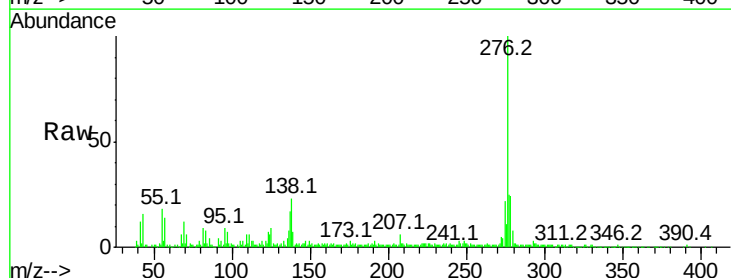
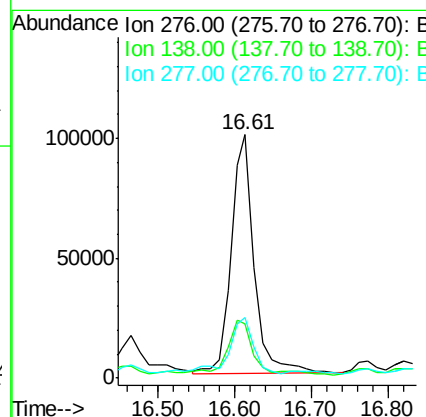
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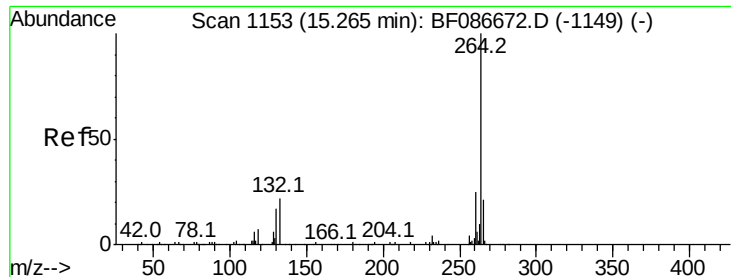
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.68 ng
RT: 16.61 min Scan# 1271
Delta R.T. 0.02 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	209970		
138	26.3	25.6	38.4	
277	25.5	20.5	30.7	





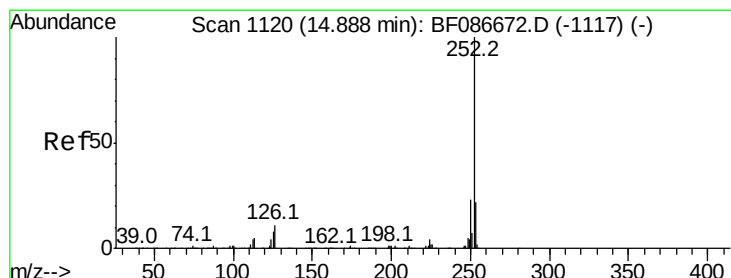
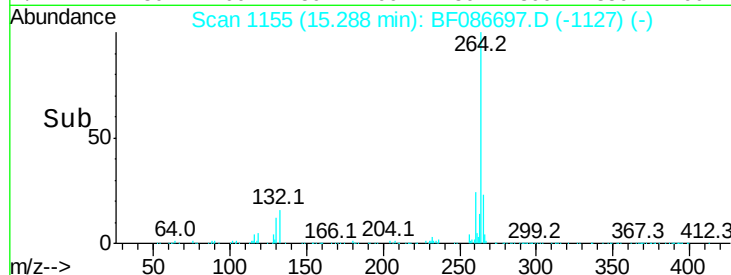
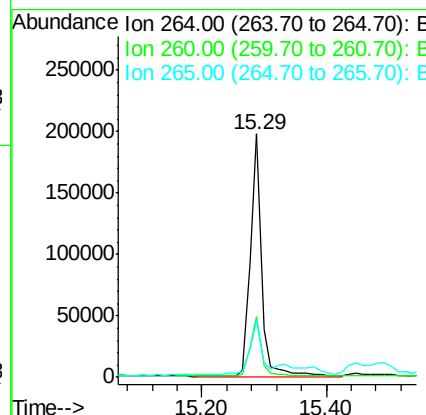
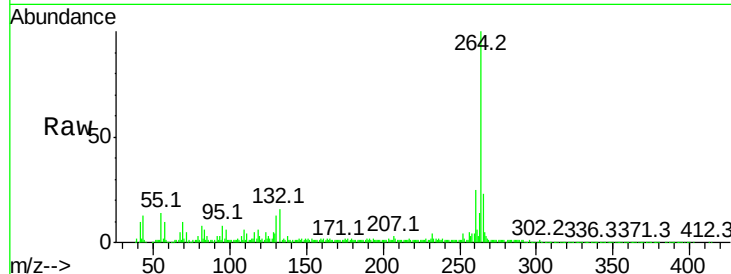
#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. 0.02 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	23.4	17.3	25.9

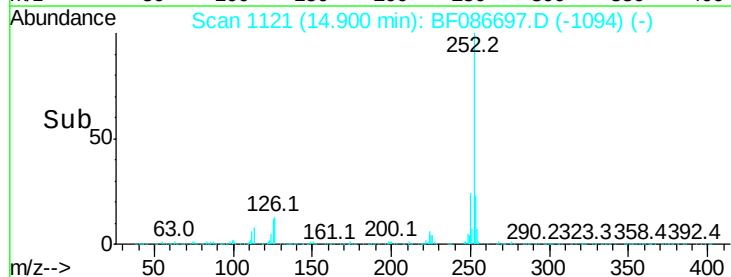
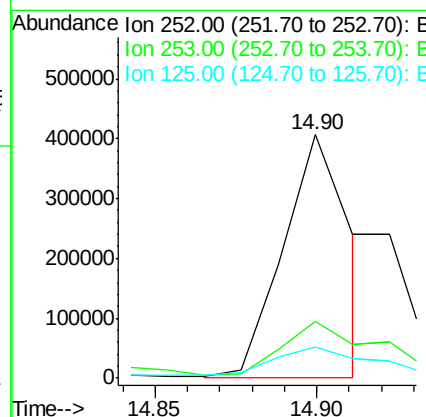
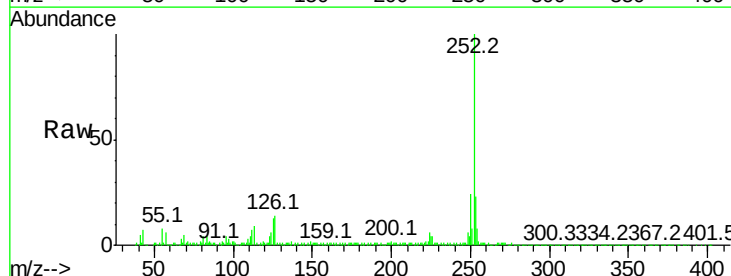
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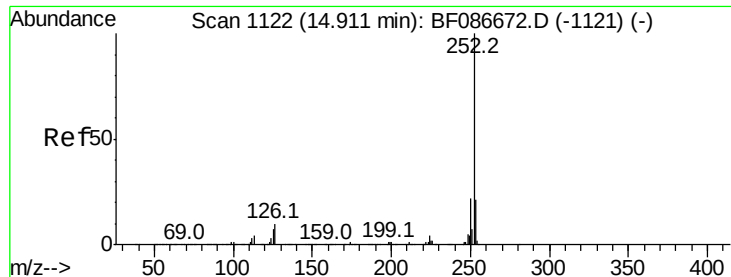
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#87
Benzo(b)fluoranthene
Concen: 38.49 ng m
RT: 14.90 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.0	11.4	17.0





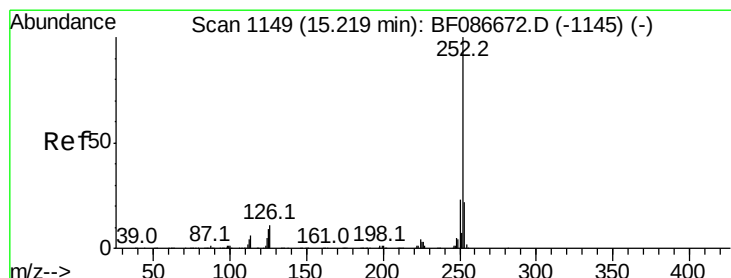
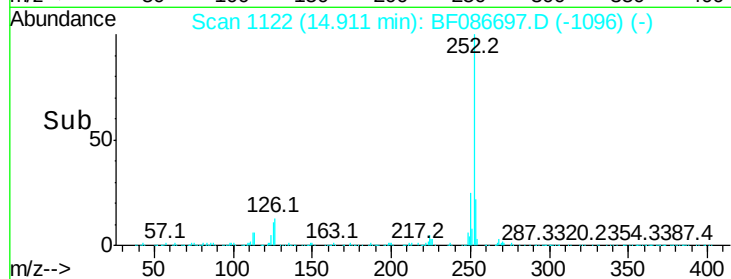
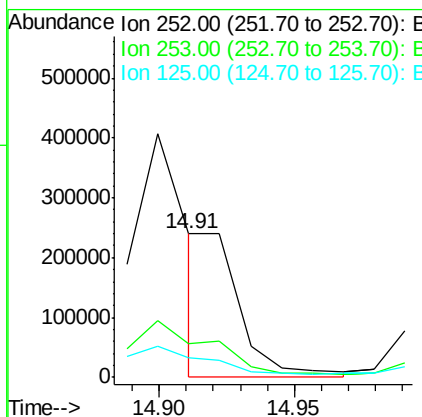
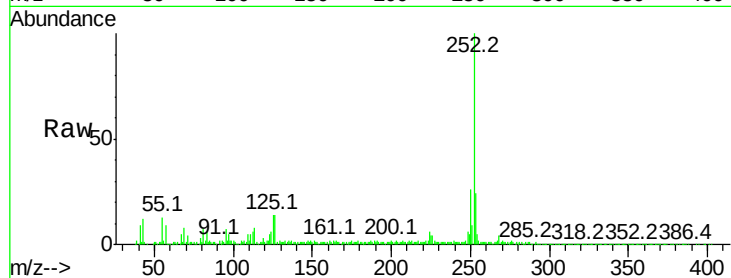
#88
Benzo(k)fluoranthene
Concen: 15.73 ng m
RT: 14.91 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-1(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	13.6	9.1	13.7

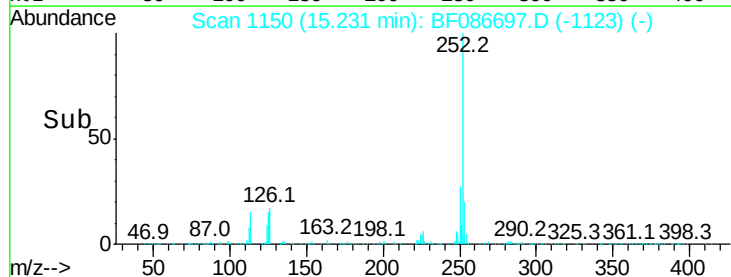
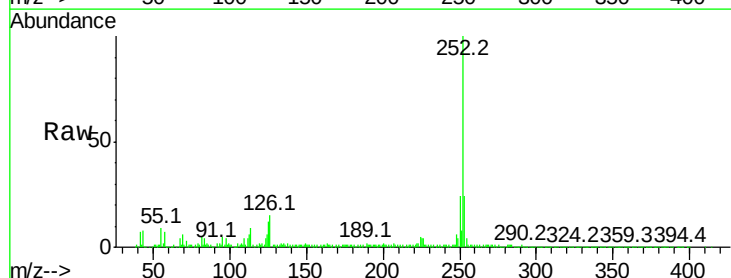
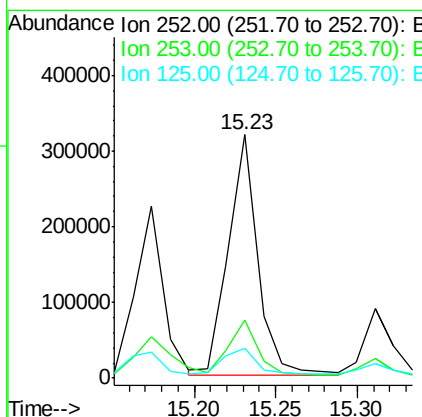
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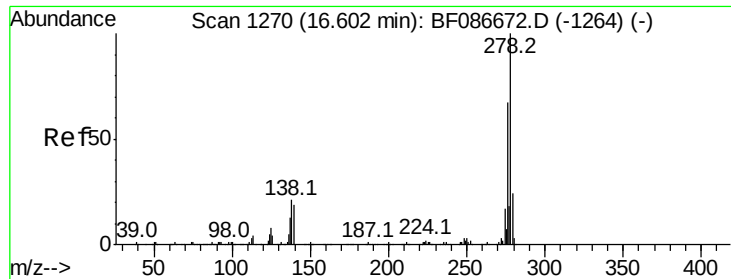
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#89
Benzo(a)pyrene
Concen: 28.82 ng
RT: 15.23 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF086697.D
Acq: 5 May 2016 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.4	9.0	13.6





#90

Dibenzo(a,h)anthracene

Concen: 3.61 ng

RT: 16.61 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Instrument :

BNA_F

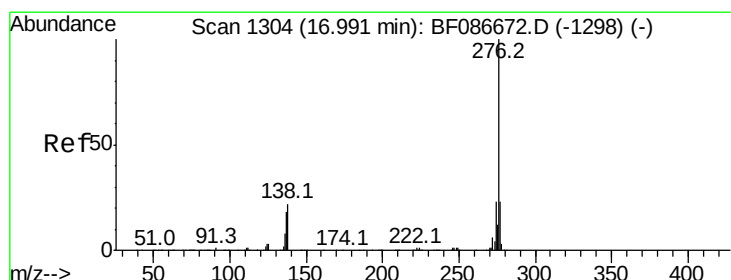
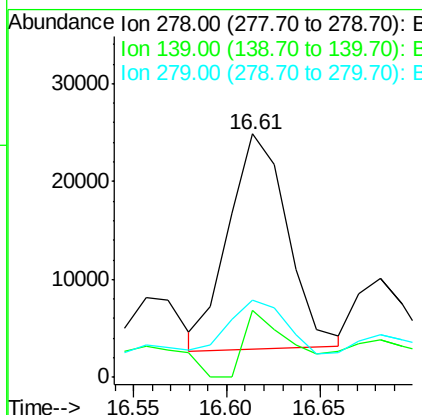
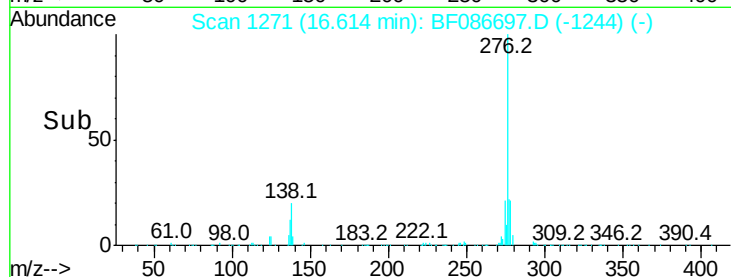
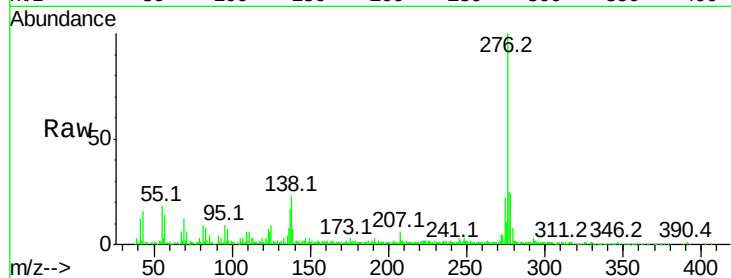
ClientSampleId :

26WARD-3-CS-1(0-12FTBGS)

Tot Ion:	278	Resp:	48311
Ion Ratio	Lower	Upper	
278	100		
139	27.4	16.6	24.8#
279	31.8	19.6	29.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 13.83 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF086697.D

Acq: 5 May 2016 00:56

Tgt Ion:	276	Resp:	194385
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.6	29.4
138	26.6	23.6	35.4

