

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086692.D
 Acq On : 4 May 2016 22:34
 Operator : UM/SJ
 Sample : H2715-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

Manual Integrations
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Quant Time: May 05 04:52:24 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	158518	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	566352	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	226244	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	319638m	40.00	ng	0.00
75) Chrysene-d12	13.89	240	318877	40.00	ng	0.01
86) Perylene-d12	15.29	264	230300	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1189602	124.24	ng	0.01
7) Phenol-d6	6.38	99	1504280	116.63	ng	0.01
23) Nitrobenzene-d5	7.31	82	1126270	102.19	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	271333	122.60	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1363219	98.77	ng	0.00
78) Terphenyl-d14	12.84	244	1000027	63.38	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	150748	8.94	ng	98
70) Phenanthrene	11.28	178	214859	12.51	ng	100
71) Anthracene	11.33	178	55897m	3.11	ng	
74) Fluoranthene	12.46	202	401085	23.31	ng	96
77) Pyrene	12.69	202	405775	15.96	ng	99
80) Benzo(a)anthracene	13.88	228	192069	10.65	ng	99
82) Chrysene	13.92	228	186339m	9.69	ng	
85) Indeno(1,2,3-cd)pyrene	16.60	276	68095	4.13	ng	# 91
87) Benzo(b)fluoranthene	14.90	252	205137m	14.82	ng	
88) Benzo(k)fluoranthene	14.91	252	61659m	4.73	ng	
89) Benzo(a)pyrene	15.23	252	126875	9.95	ng	# 89
91) Benzo(a,h,i)perylene	17.00	276	65538	5.10	ng	96

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

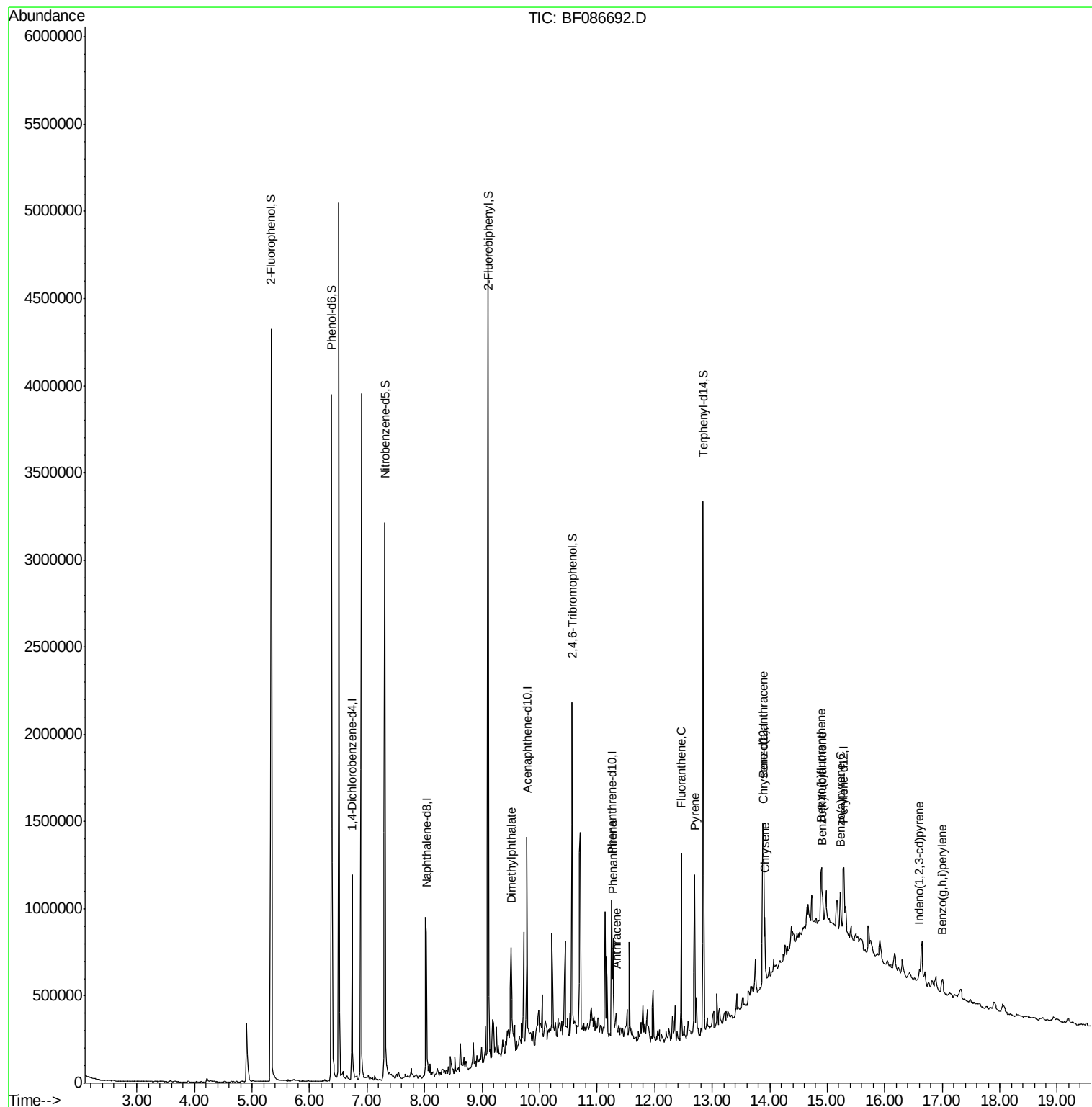
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
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ALS Vial : 14 Sample Multiplier: 1

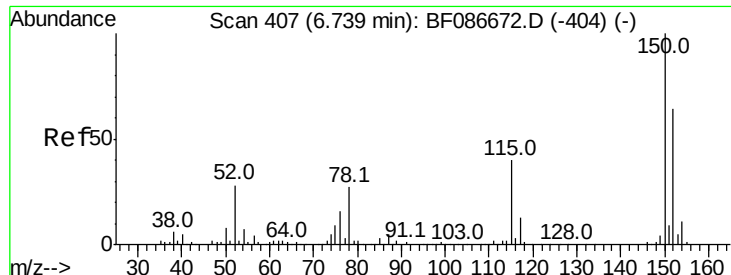
Instrument :
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#1

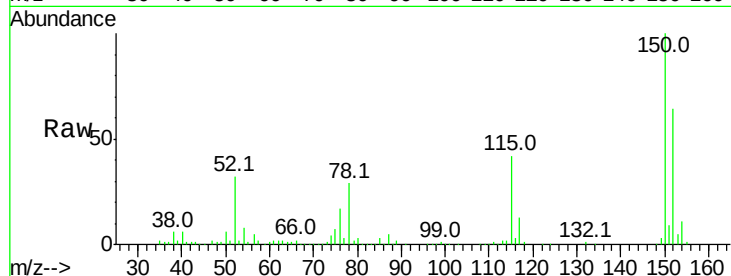
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-1(0-6FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	158518		
150	157.4	125.8	188.6	
115	65.8	51.5	77.3	

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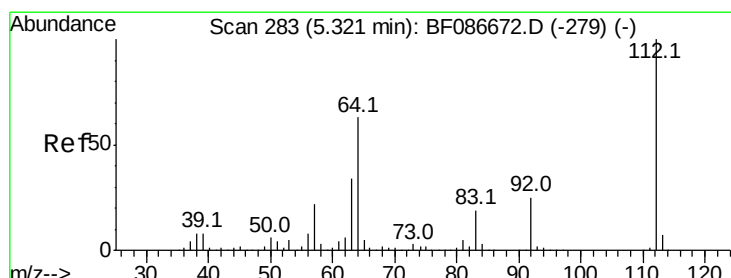
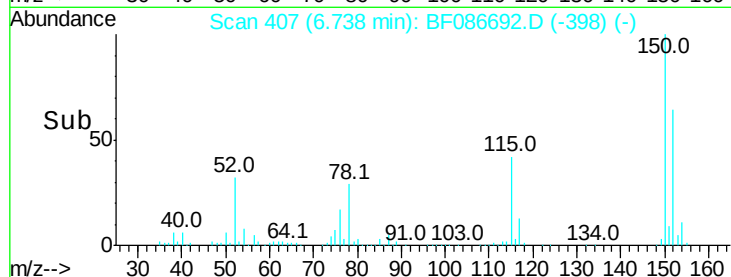
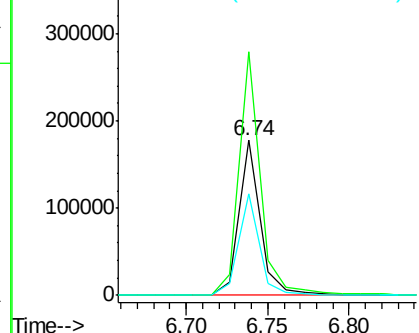


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

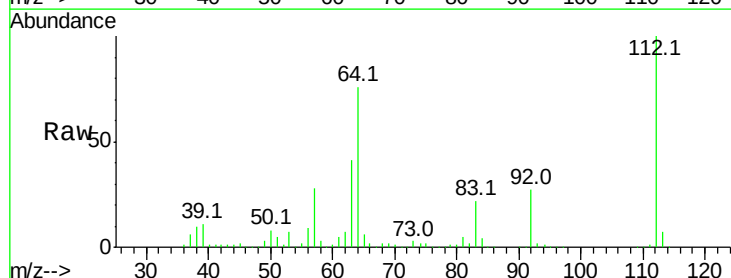
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.24 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1189602		
64	75.6	52.1	78.1	
63	41.1	25.7	38.5	

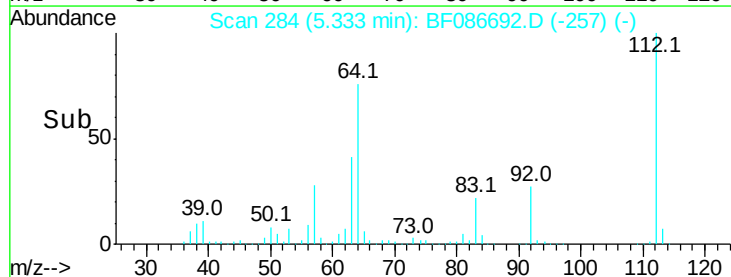
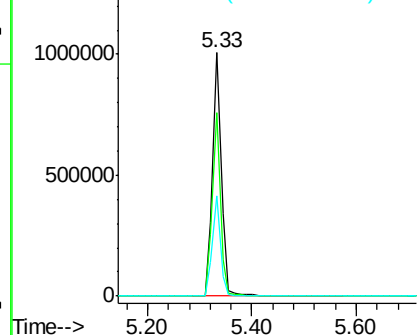


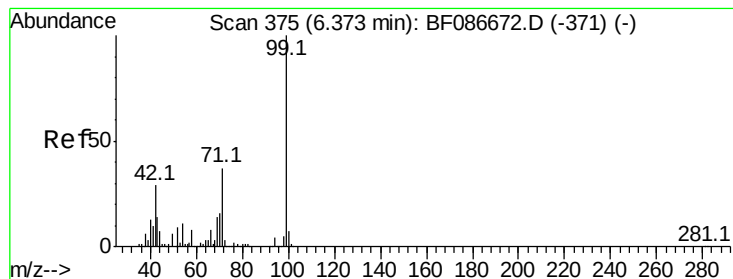
Abundance

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: 116.63 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

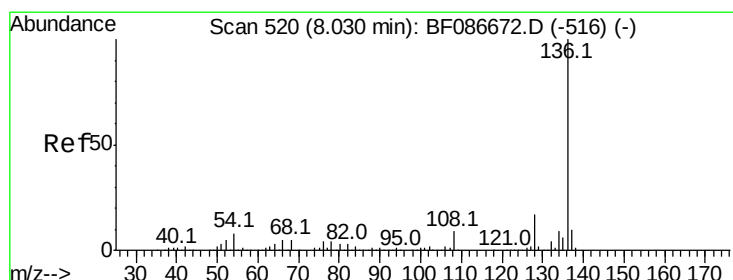
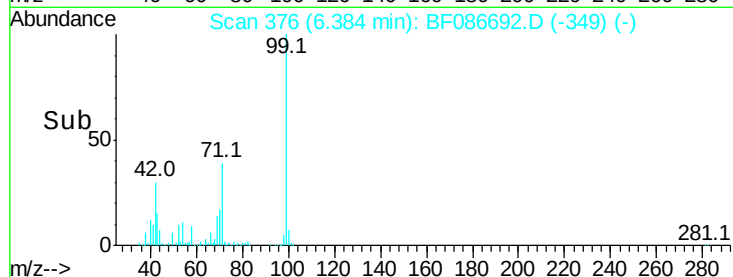
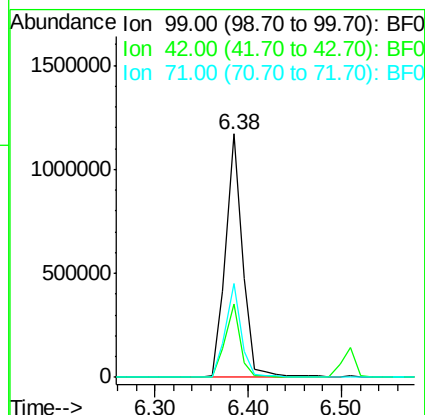
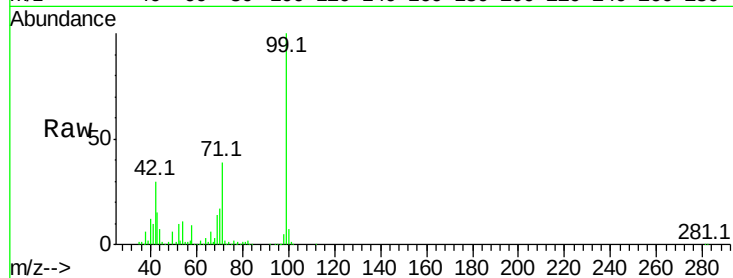
ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

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Tot Ion	99	Resp	1504280
Ion	Ratio	Lower	Upper
99	100		
42	30.4	13.6	20.4#
71	38.8	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

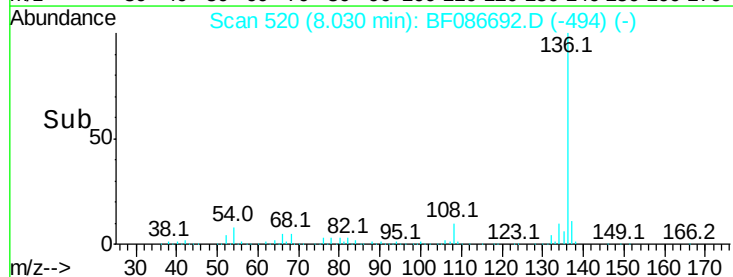
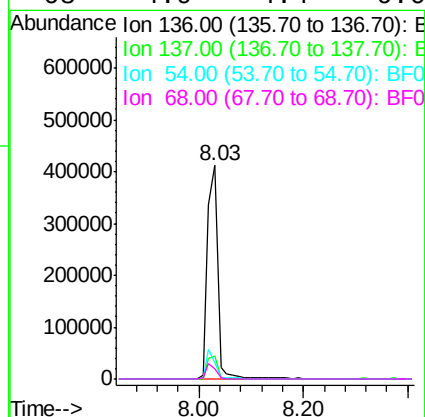
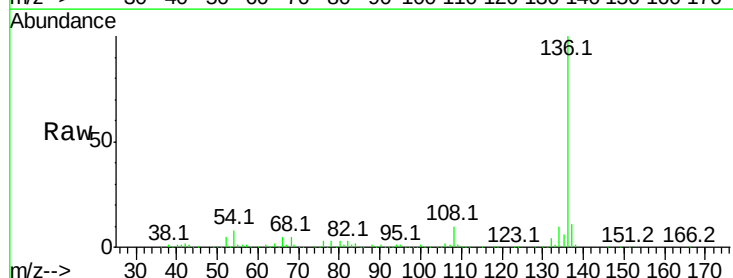
RT: 8.03 min Scan# 520

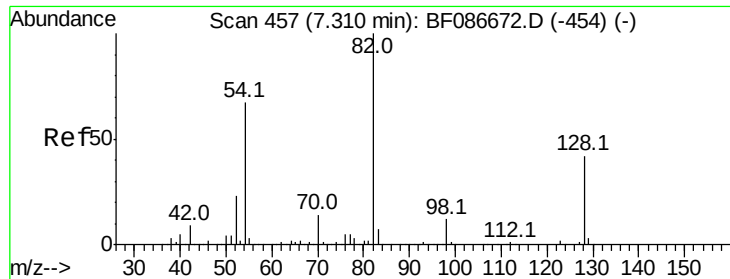
Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion	136	Resp	566352
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	5.0	7.4#
68	4.9	4.4	6.6





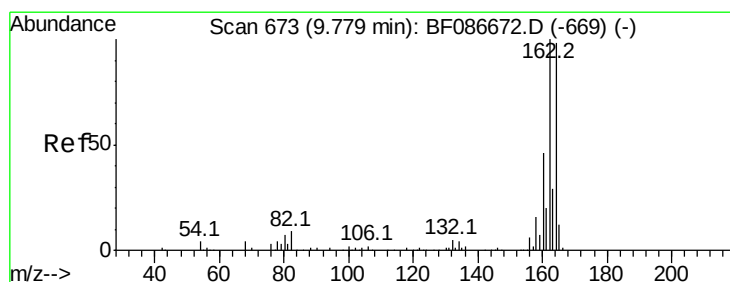
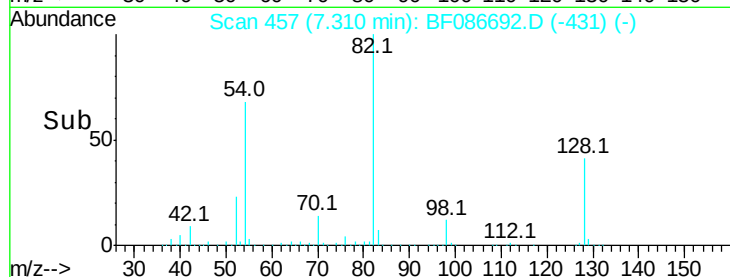
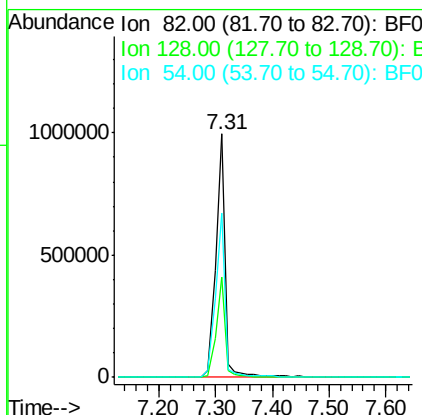
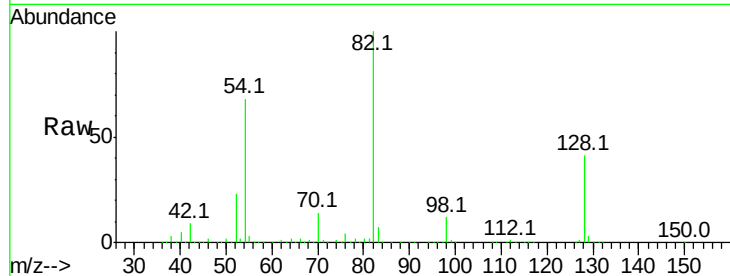
#23
 Nitrobenzene-d5
 Concen: 102.19 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	40.6	61.0
54	67.6	38.1	57.1

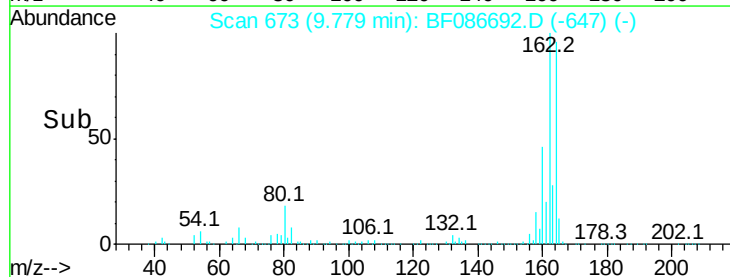
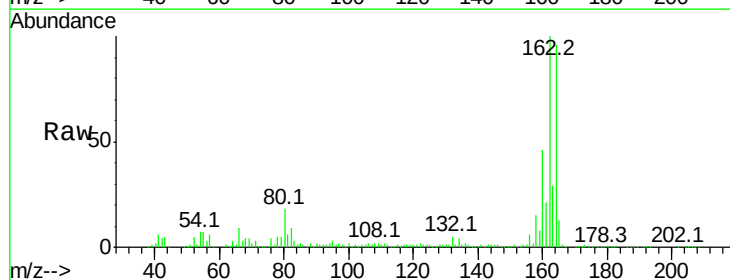
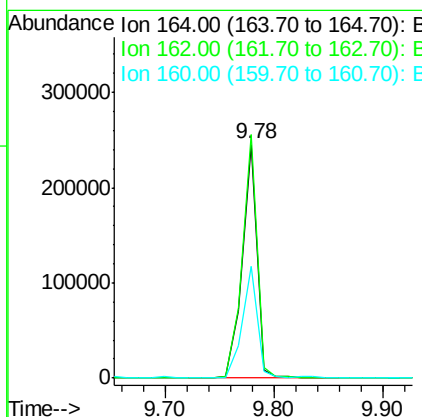
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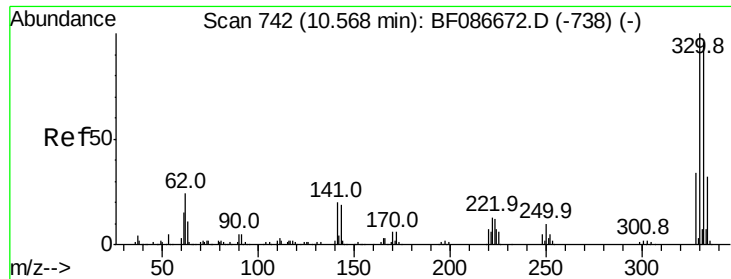
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.8	124.2
160	48.1	36.9	55.3





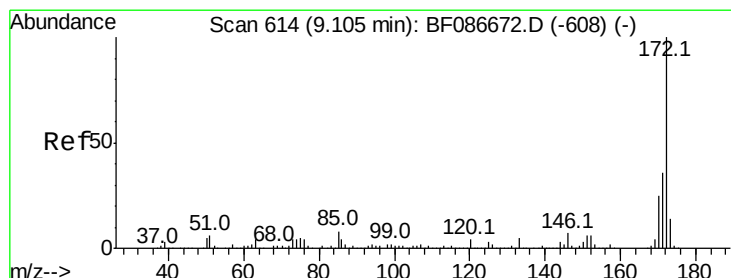
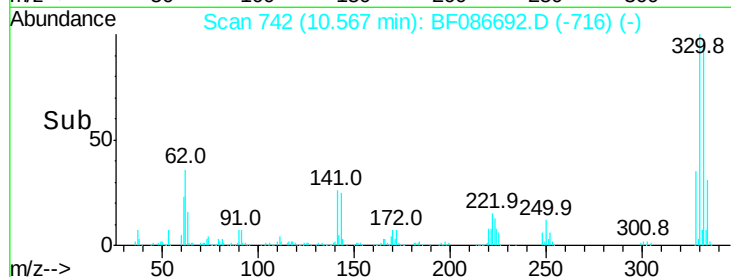
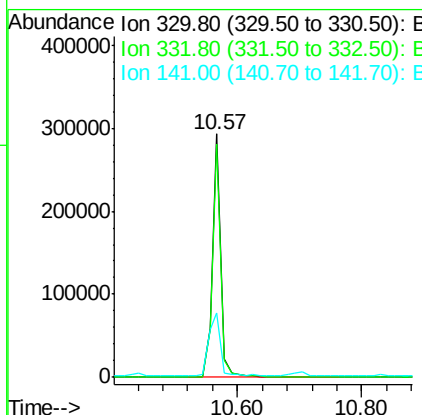
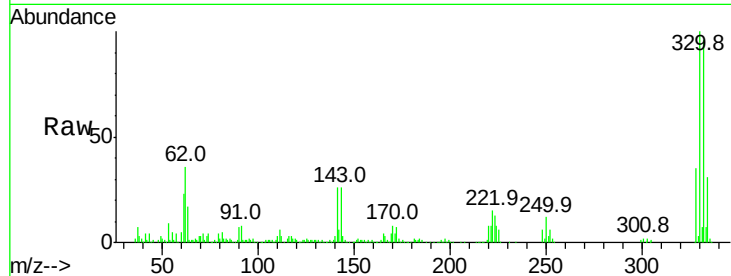
#41
 2,4,6-Tribromophenol
 Concen: 122.60 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

Tot Ion:	330	Resp:	271333
Ion Ratio	Lower	Upper	
330	100		
332	95.7	79.0	118.4
141	37.7	31.2	46.8

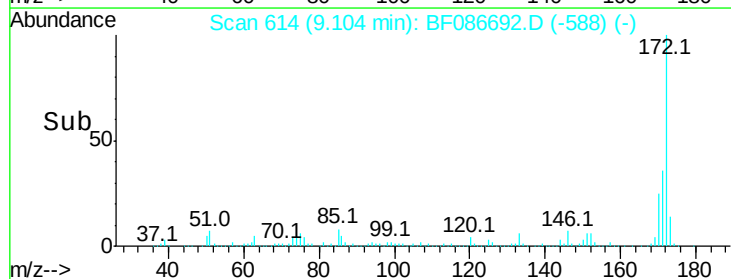
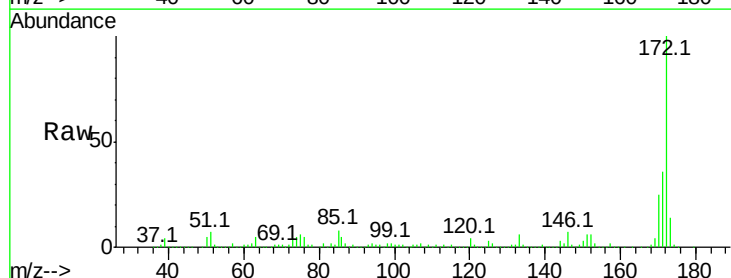
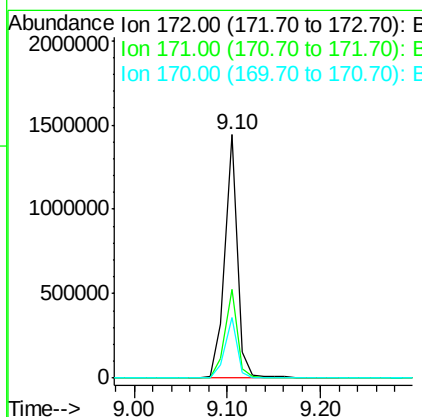
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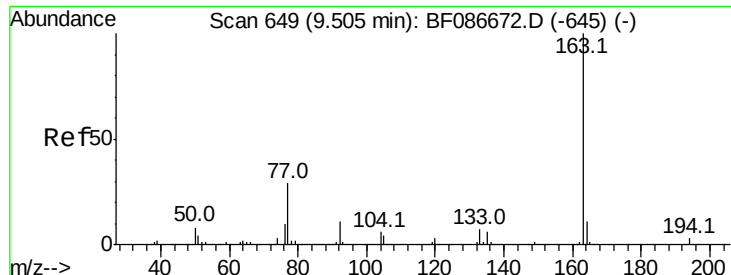
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#44
 2-Fluorobiphenyl
 Concen: 98.77 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion:	172	Resp:	1363219
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.0	43.6
170	24.9	19.8	29.8





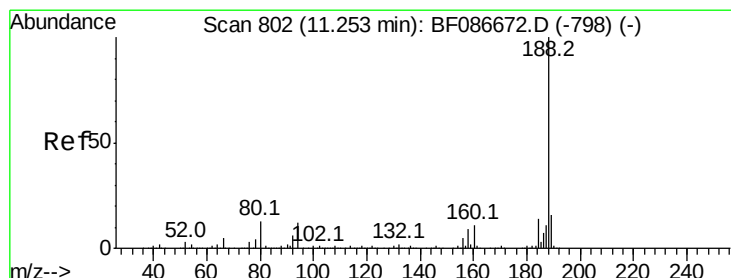
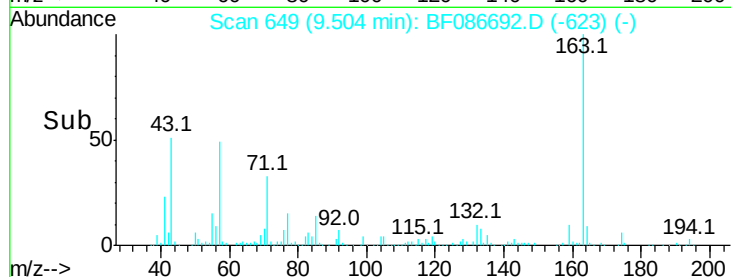
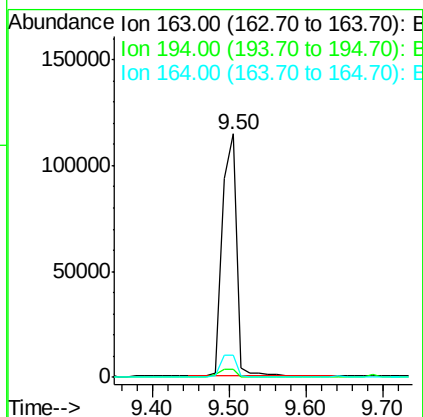
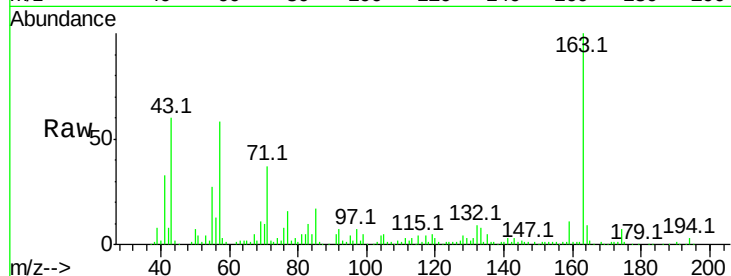
#49
Dimethylphthalate
Concen: 8.94 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	150748		
194	3.4	2.6	4.0	
164	9.2	8.2	12.4	

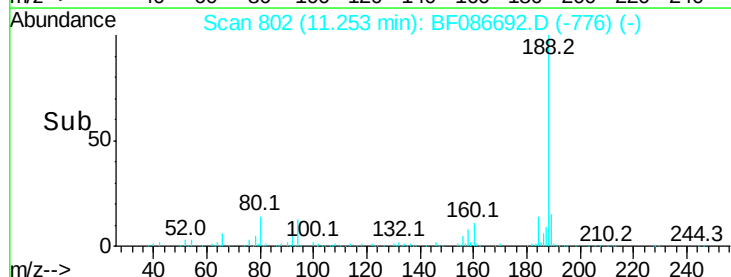
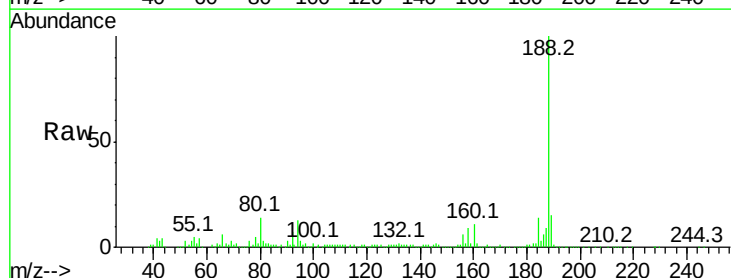
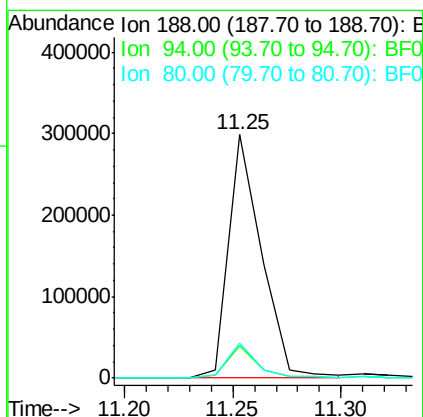
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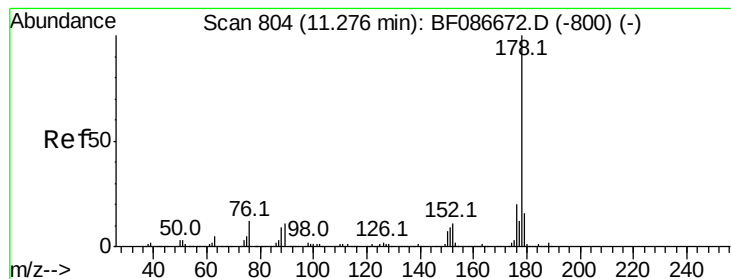
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#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	319638		
94	13.2	6.8	10.2#	
80	14.5	7.1	10.7#	





#70

Phenanthrene

Concen: 12.51 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

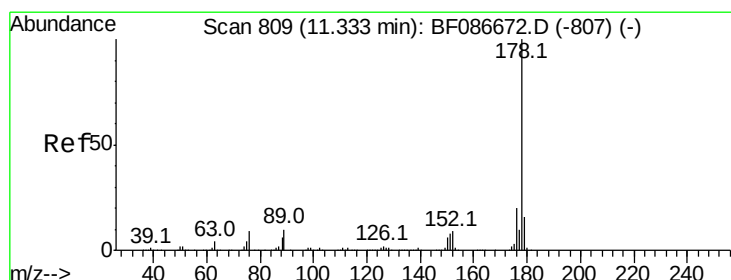
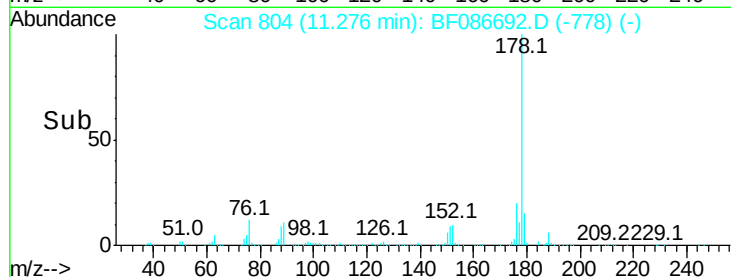
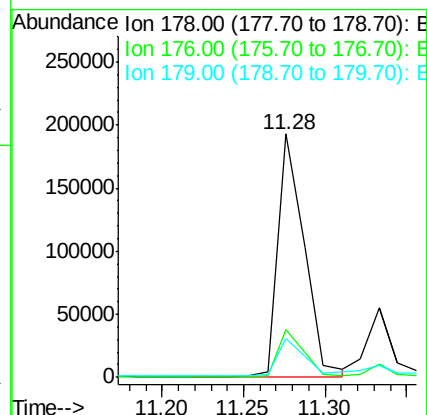
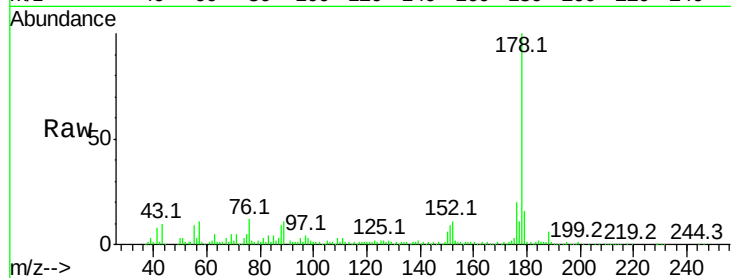
ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

Tot Ion:	178	Resp:	214859
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.0	24.0
179	16.0	12.6	18.8

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#71

Anthracene

Concen: 3.11 ng m

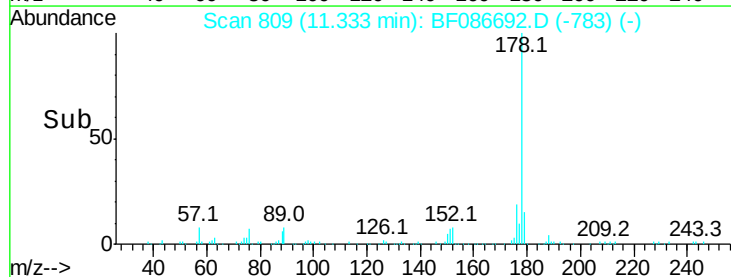
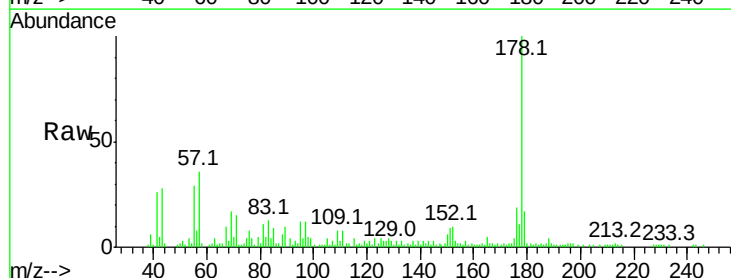
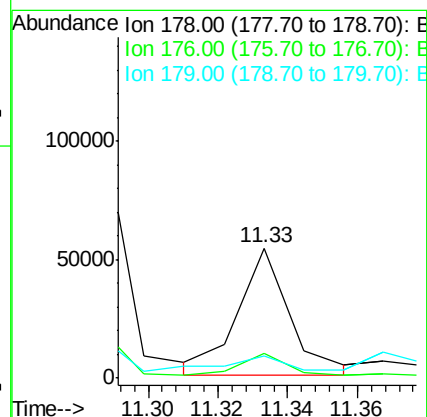
RT: 11.33 min Scan# 809

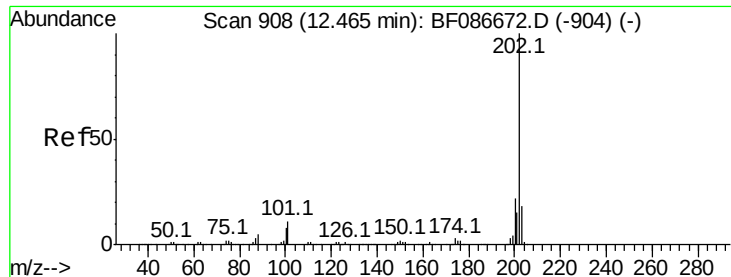
Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion:	178	Resp:	55897
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.6	23.4
179	17.0	12.7	19.1





#74

Fluoranthene

Concen: 23.31 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

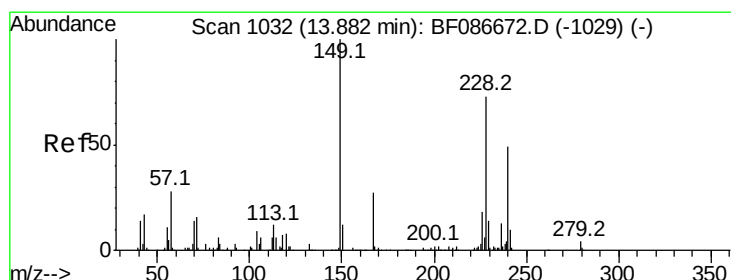
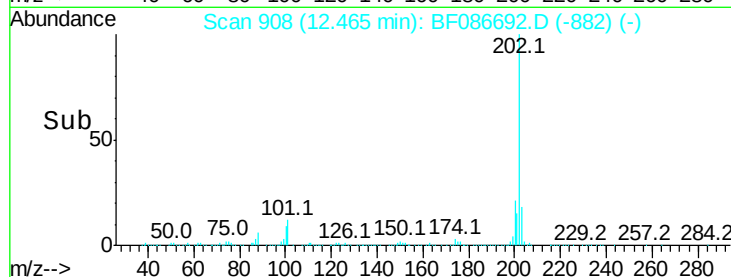
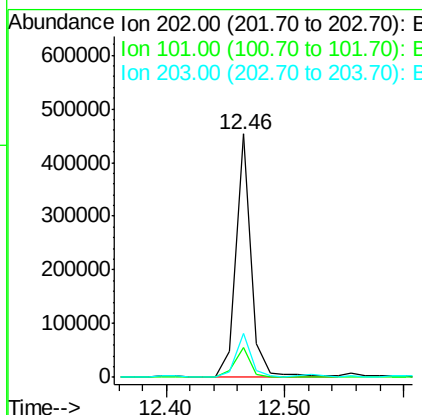
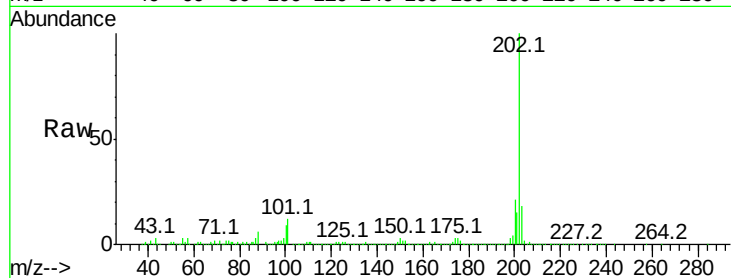
ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

Manual Integrations
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Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.3	0.0	35.4	
203	17.9	0.0	38.1	



#75

Chrysene-d12

Concen: 40.00 ng

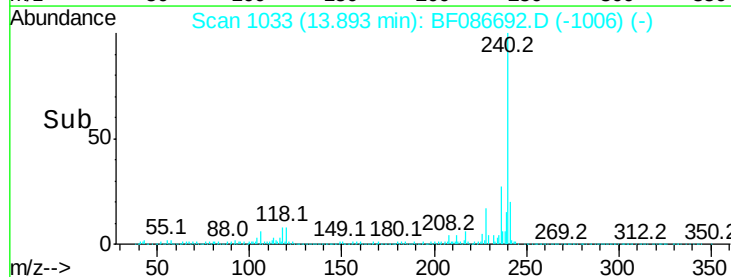
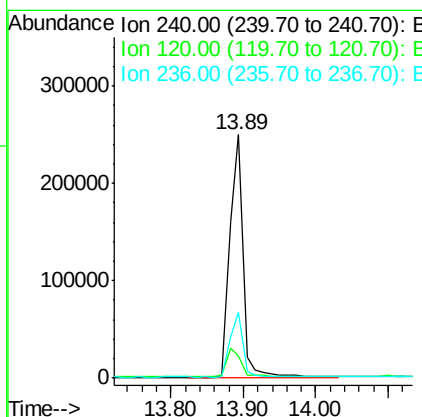
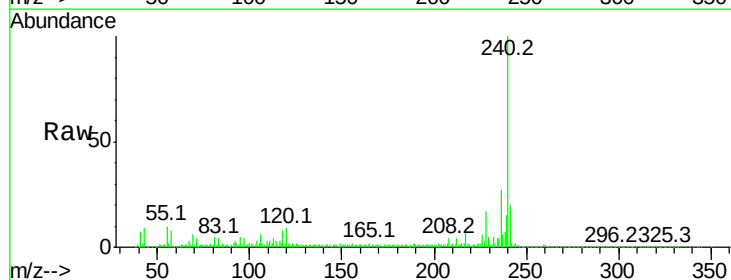
RT: 13.89 min Scan# 1033

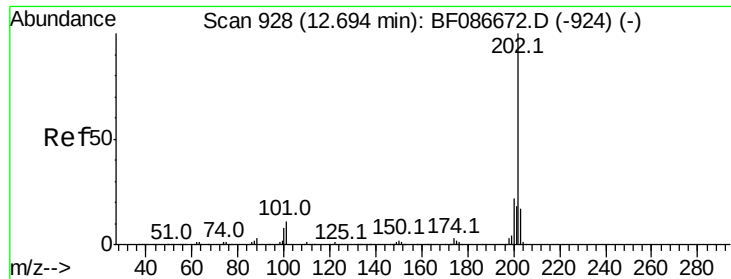
Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	8.9	11.2	16.8#	
236	26.9	21.2	31.8	





#77

Pvrene

Concen: 15.96 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

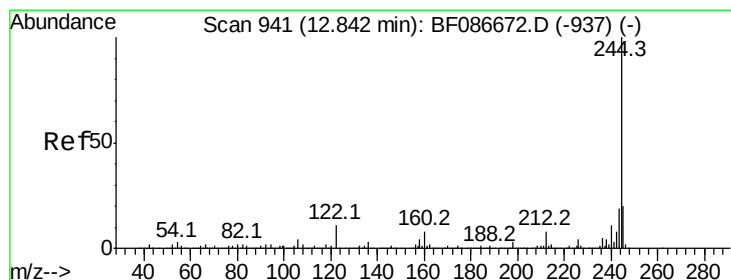
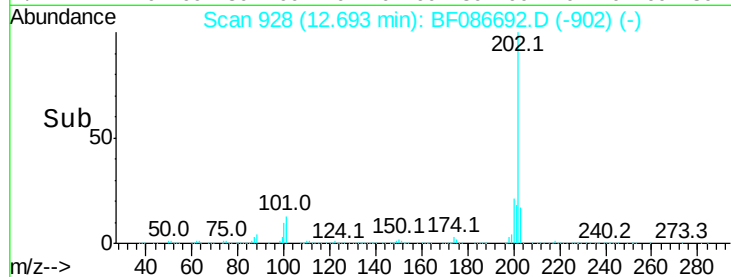
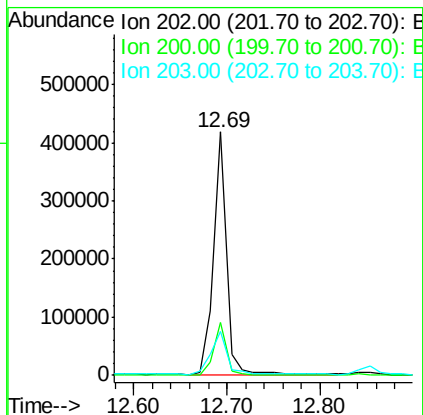
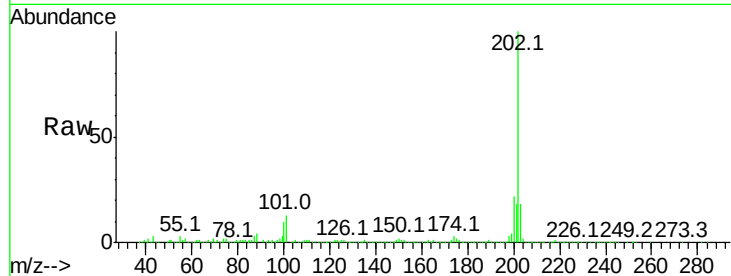
ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

Tot Ion:	202	Resp:	405775
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	17.9	14.2	21.4

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#78

Terphenyl-d14

Concen: 63.38 ng

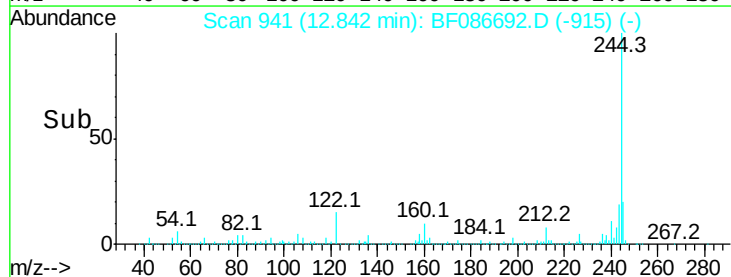
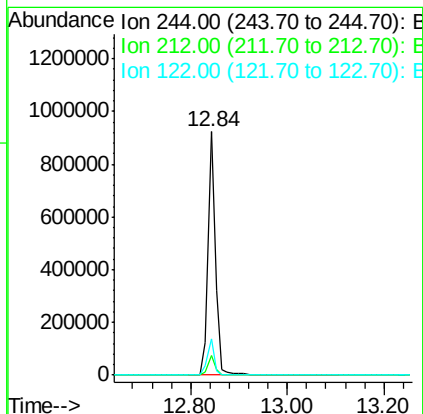
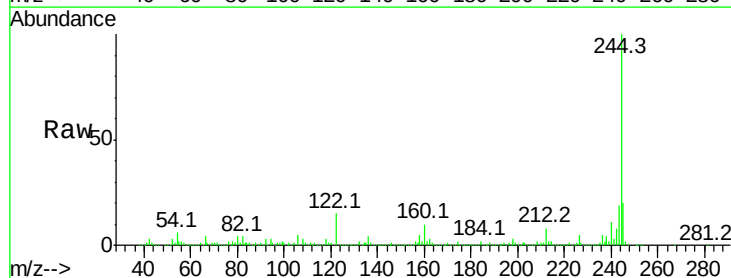
RT: 12.84 min Scan# 941

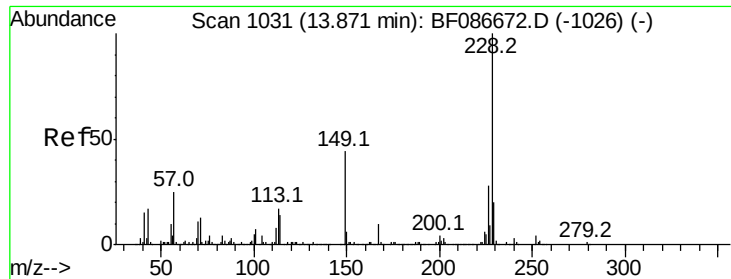
Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion:	244	Resp:	1000027
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.2	9.2
122	14.9	12.0	18.0





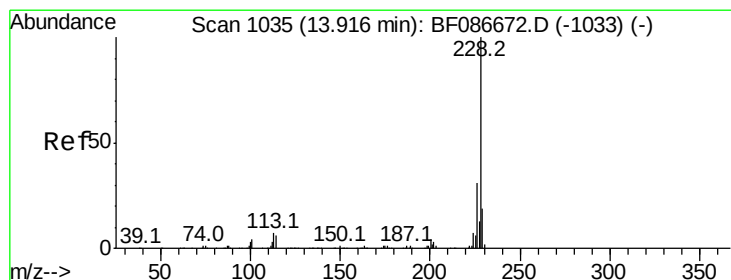
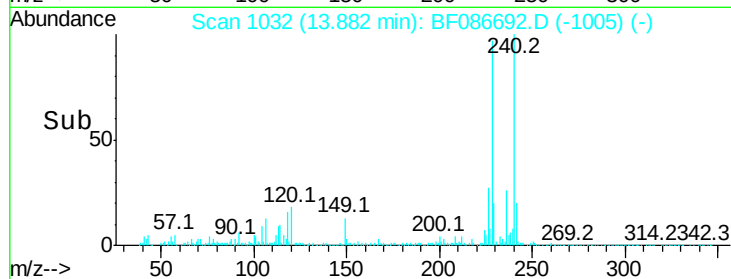
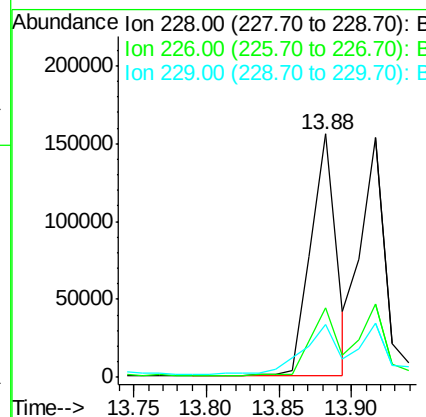
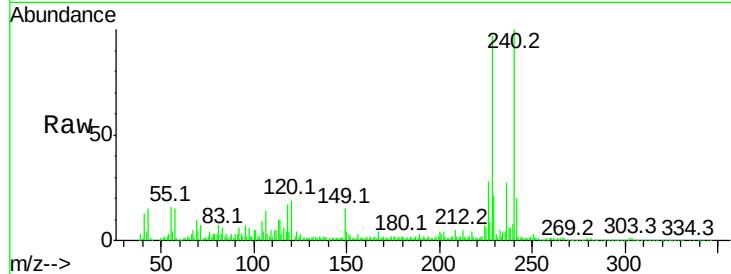
#80
Benzo(a)anthracene
Concen: 10.65 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-1(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.5	33.7
229	21.6	16.6	25.0

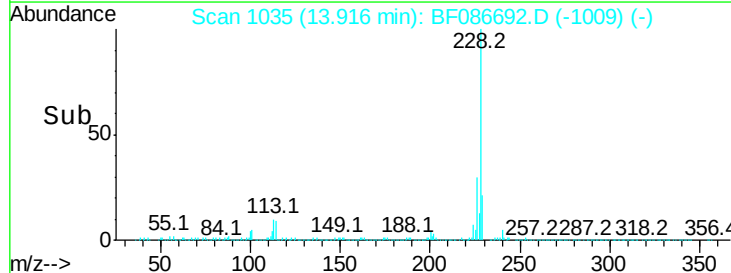
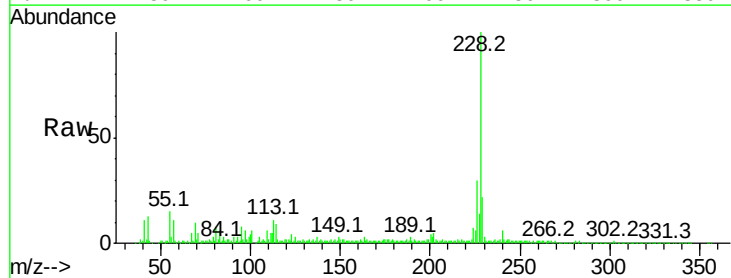
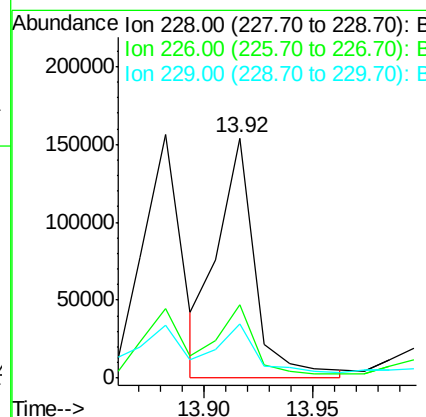
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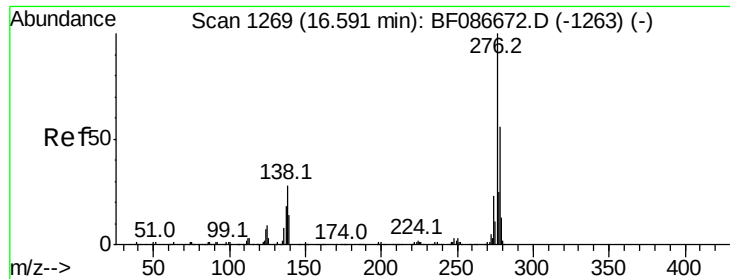
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#82
Chrysene
Concen: 9.69 ng m
RT: 13.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.4	15.8	23.8





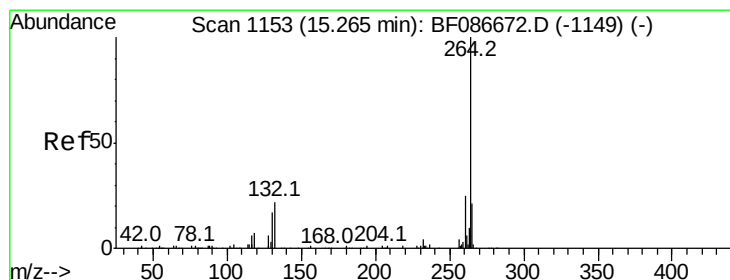
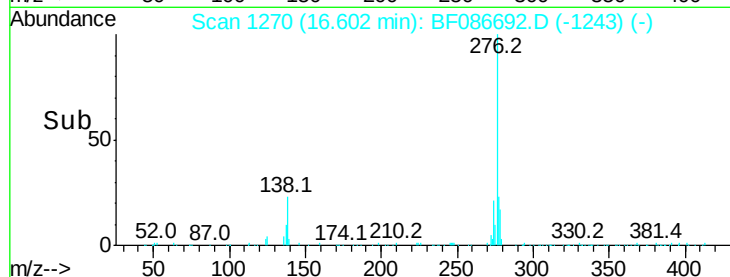
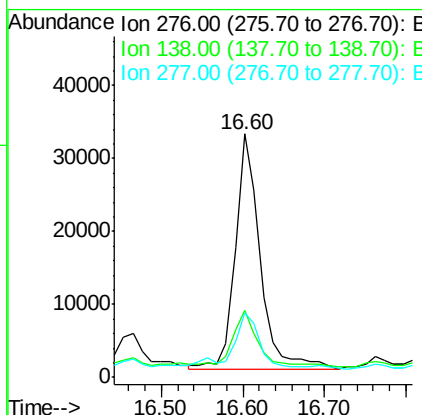
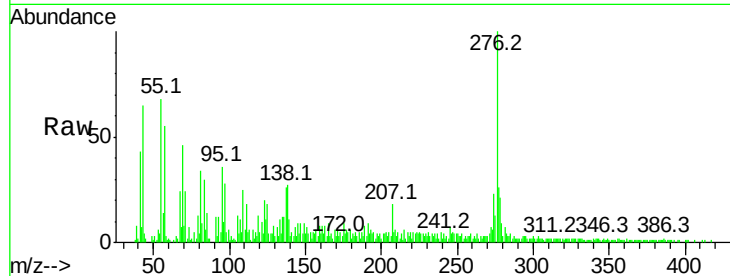
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.13 ng
 RT: 16.60 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.6	38.4#
277	23.5	20.5	30.7

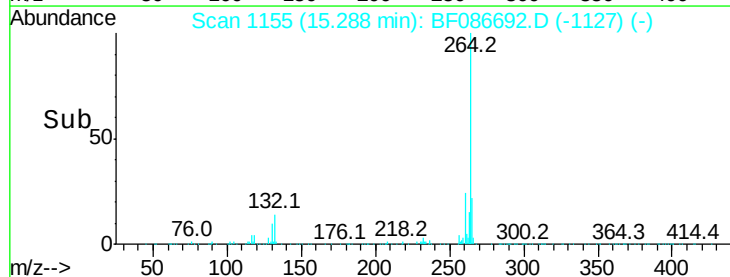
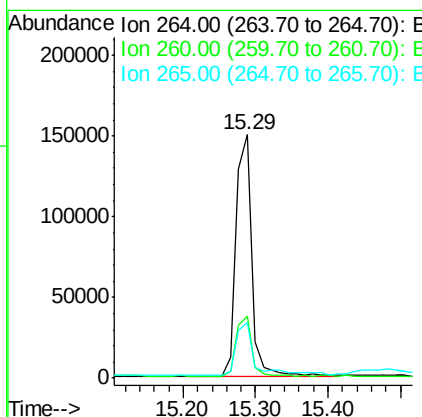
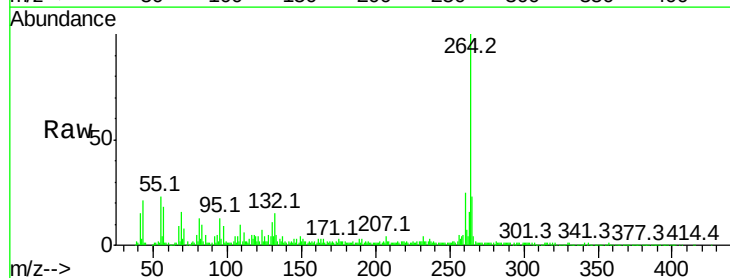
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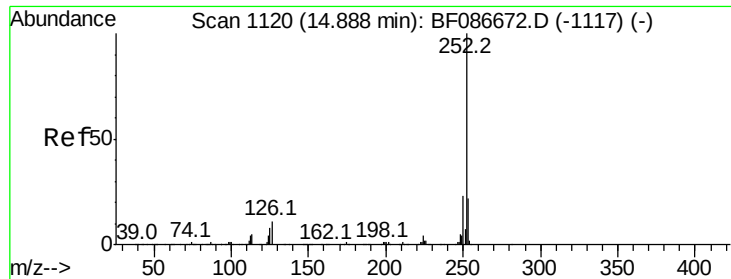
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. 0.02 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	22.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 14.82 ng m

RT: 14.90 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BF086692.D

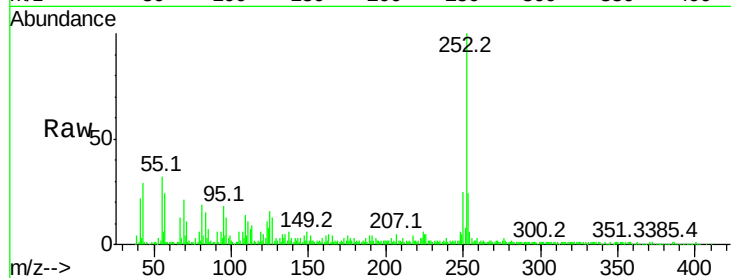
Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

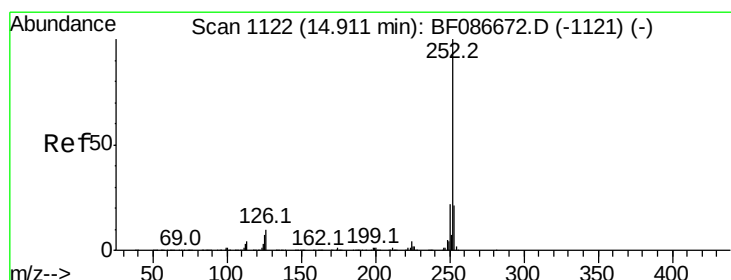
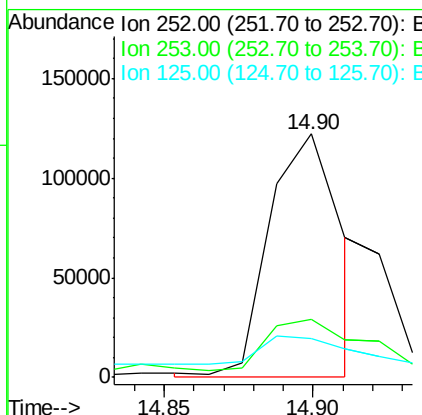
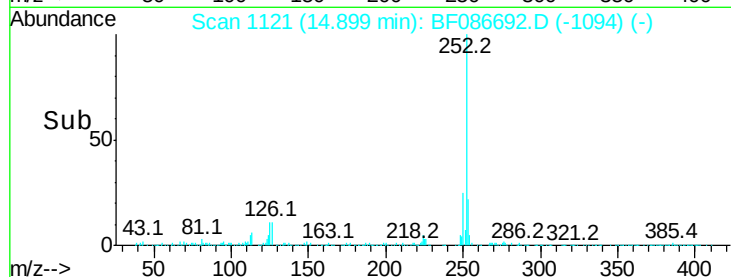
26WARD-5-CS-1(0-6FTBGS)



Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	16.0	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 4.73 ng m

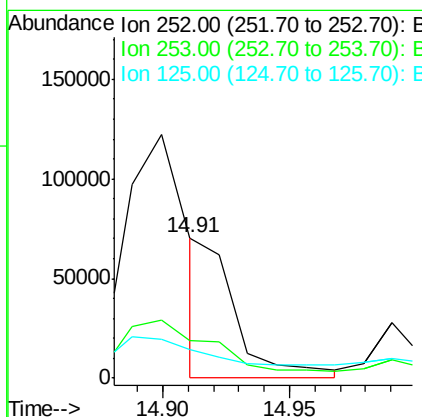
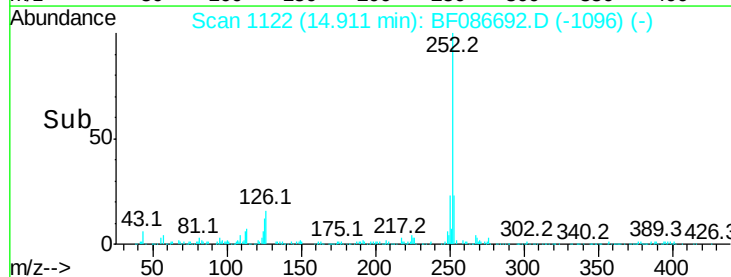
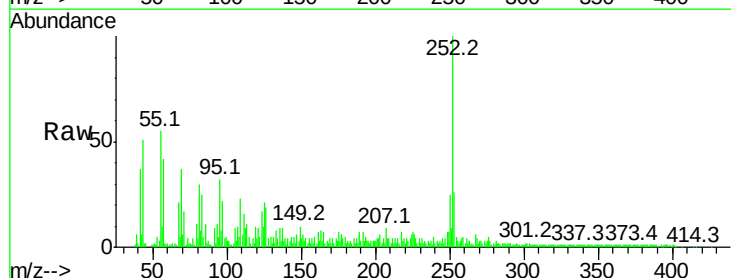
RT: 14.91 min Scan# 1122

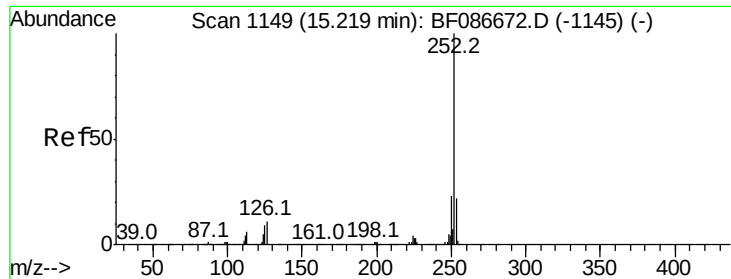
Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.8	26.6
125	20.8	9.1	13.7#





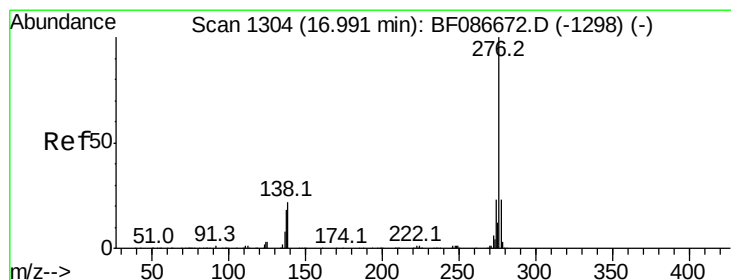
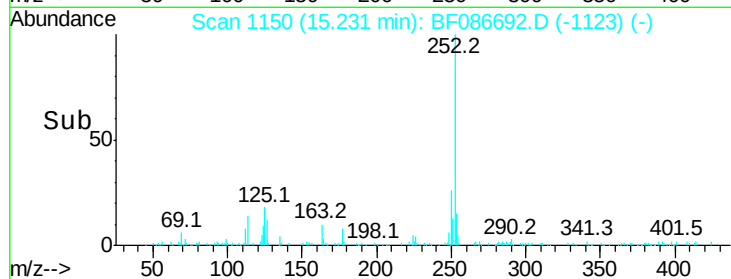
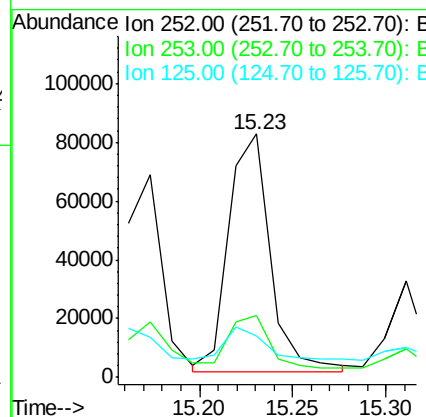
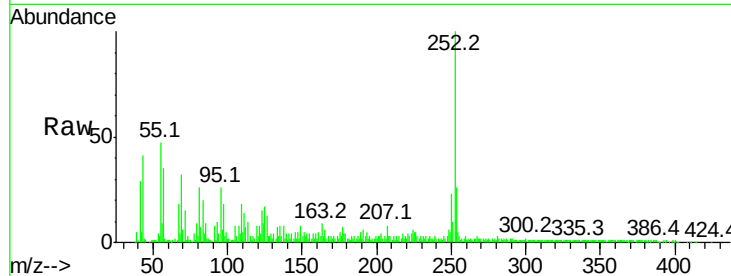
#89
Benzo(a)pyrene
Concen: 9.95 ng
RT: 15.23 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-1(0-6FTBGS)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	17.2	25.8
125	17.0	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 5.10 ng
RT: 17.00 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.9	19.6	29.4
138	26.8	23.6	35.4

