

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086119.D
 Acq On : 7 Apr 2016 1:18
 Operator : UM/SJ
 Sample : H2055-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Manual Integrations
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 4/7/2016 8:59:18 AM

Quant Time: Apr 07 03:55:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107625	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	403597	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	147165	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	269096	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	259602	20.00	ng	-0.02
86) Perylene-d12	15.30	264	178390	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	568474	90.28	ng	-0.02
7) Phenol-d6	6.40	99	741775	92.75	ng	-0.02
23) Nitrobenzene-d5	7.31	82	390895	57.12	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	100151	72.51	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	533946	60.33	ng	-0.03
78) Terphenyl-d14	12.85	244	439373	39.78	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	84973	7.79	ng	98
70) Phenanthrene	11.29	178	202076	13.77	ng	98
71) Anthracene	11.34	178	68971	4.48	ng	97
74) Fluoranthene	12.48	202	312218	20.45	ng	94
77) Pyrene	12.70	202	279653	15.29	ng	99
80) Benzo(a)anthracene	13.89	228	189331	12.37	ng	97
82) Chrysene	13.93	228	102447	6.95	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	42814	3.58	ng	# 90
87) Benzo(b)fluoranthene	14.91	252	130348m	11.62	ng	
88) Benzo(k)fluoranthene	14.92	252	51414m	5.17	ng	
89) Benzo(a)pyrene	15.24	252	85861	8.64	ng	# 95
91) Benzo(a,h,i)perylene	17.06	276	35304	4.56	ng	96

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

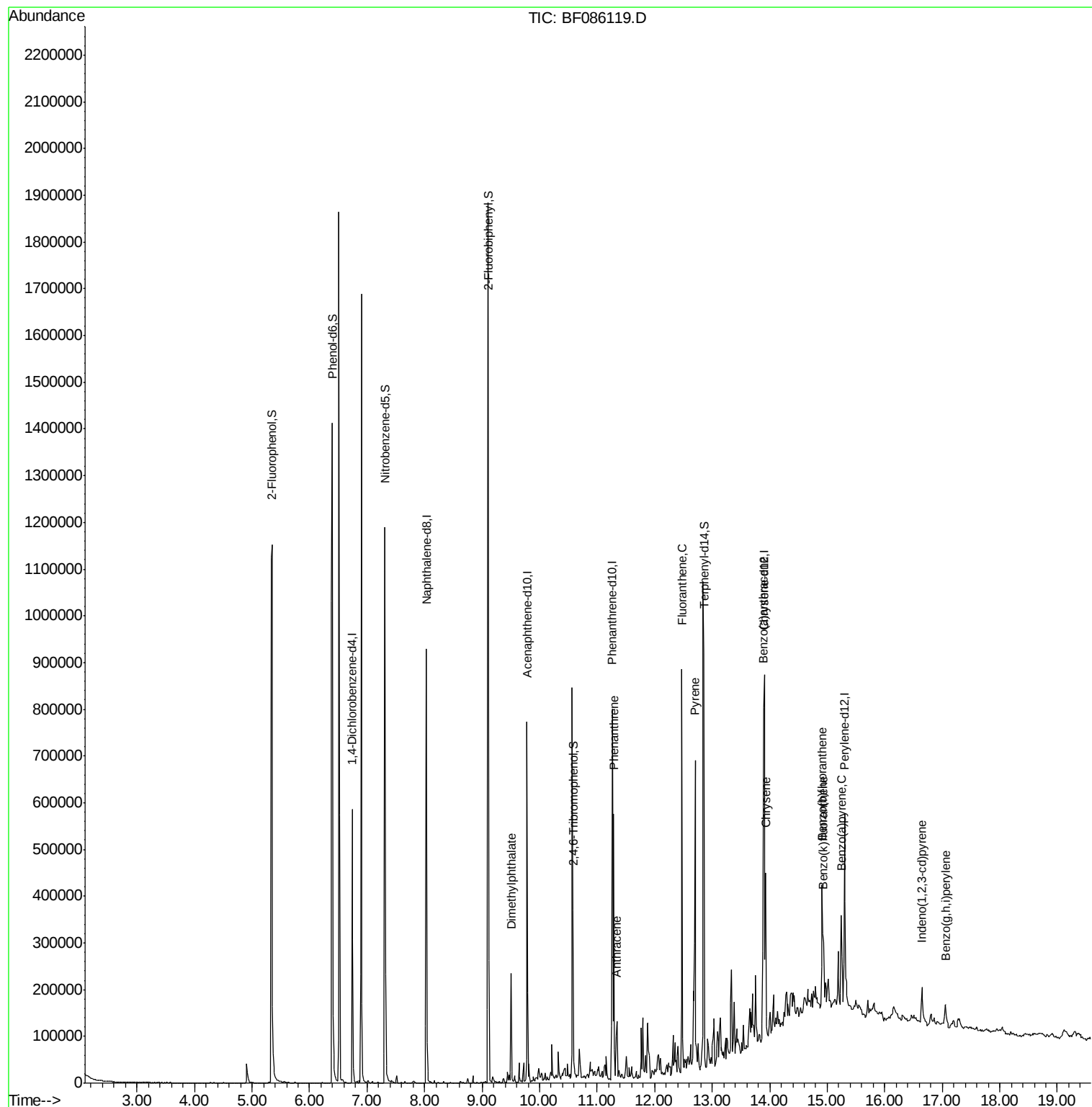
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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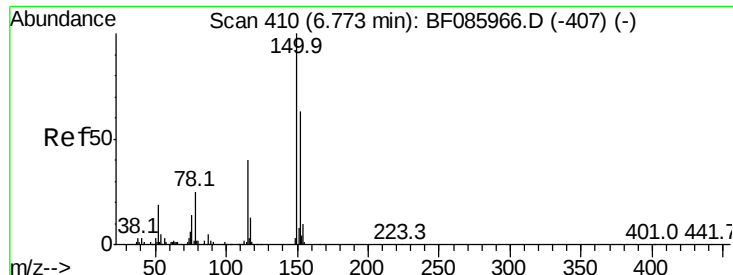
Instrument :
BNA_F
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Instrument :

BNA_F

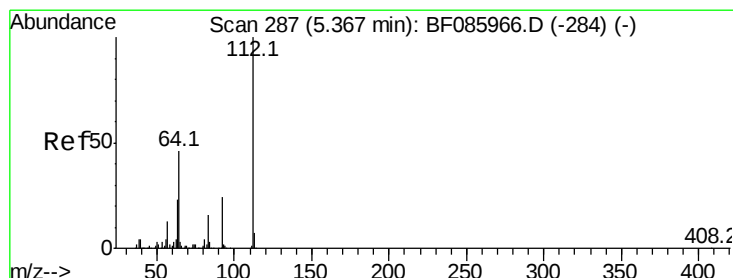
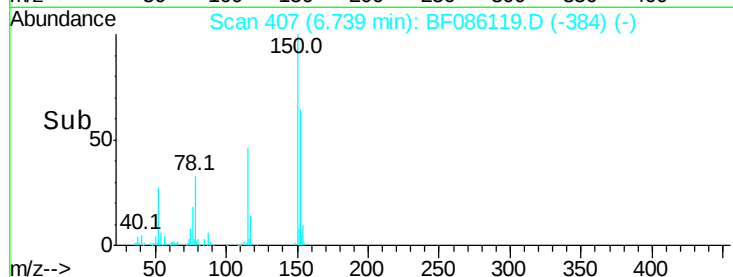
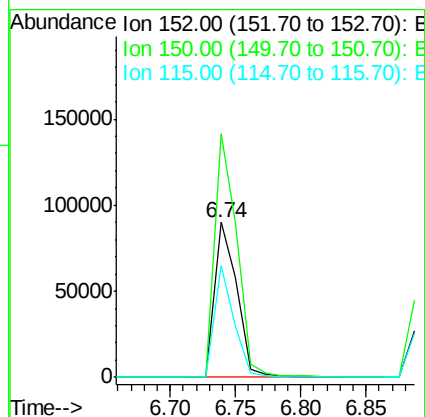
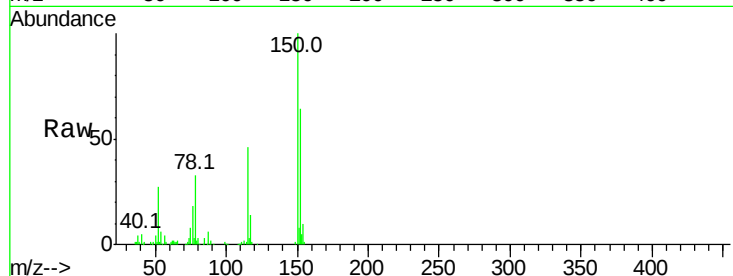
ClientSampleId :

BH-14(0-4)

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Tot Ion:	152	Resp:	107625
Ion Ratio	Lower	Upper	
152	100		
150	156.9	124.2	186.2
115	72.2	47.0	70.6#



#5

2-Fluorophenol

Concen: 90.28 ng

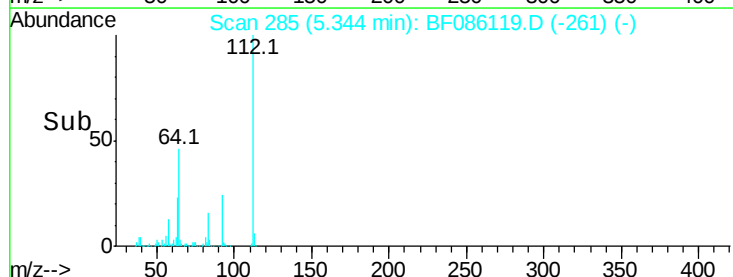
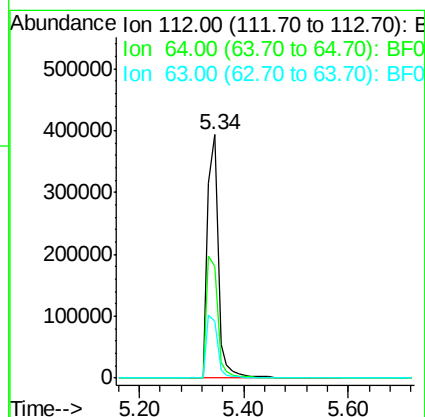
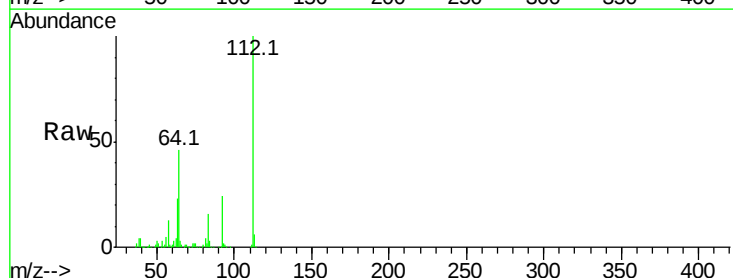
RT: 5.34 min Scan# 285

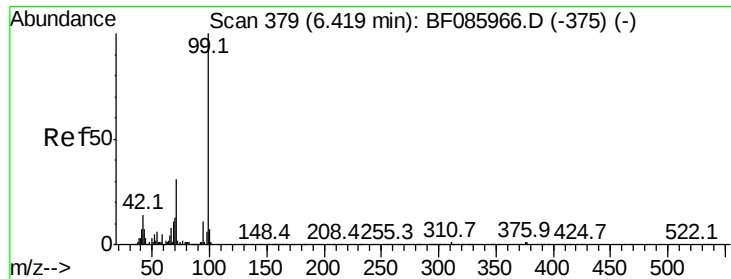
Delta R.T. -0.02 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Tgt Ion:	112	Resp:	568474
Ion Ratio	Lower	Upper	
112	100		
64	46.0	39.9	59.9
63	23.3	20.2	30.2





#7

Phenol-d6

Concen: 92.75 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Instrument :

BNA_F

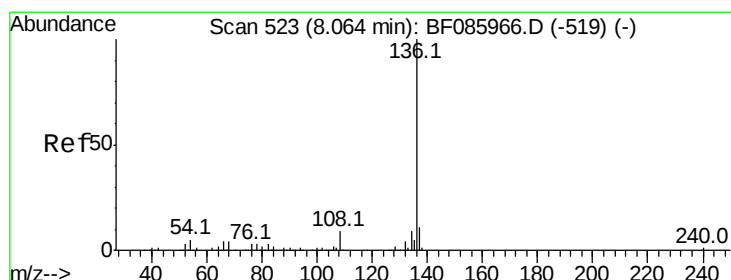
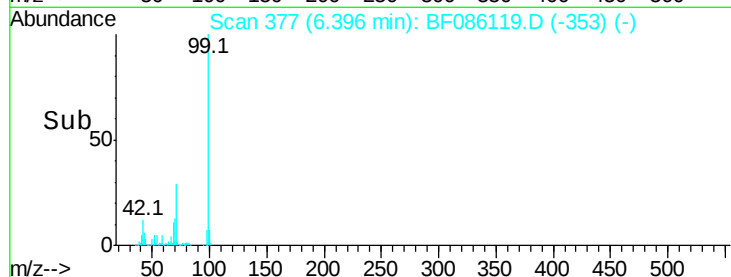
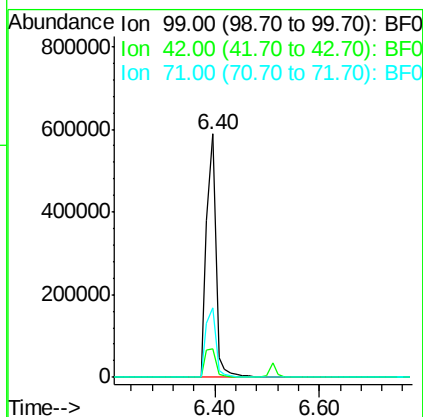
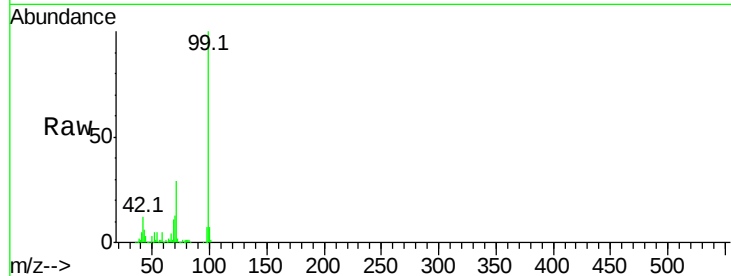
ClientSampleId :

BH-14(0-4)

Tot Ion:	99	Resp:	741775
Ion Ratio	Lower	Upper	
99	100		
42	12.0	11.1	16.7
71	28.7	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

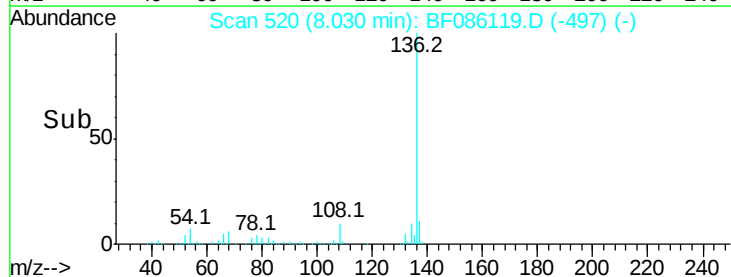
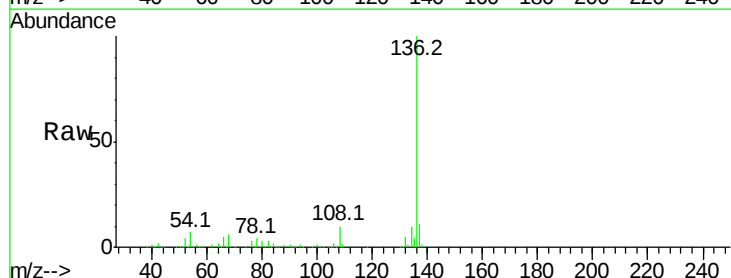
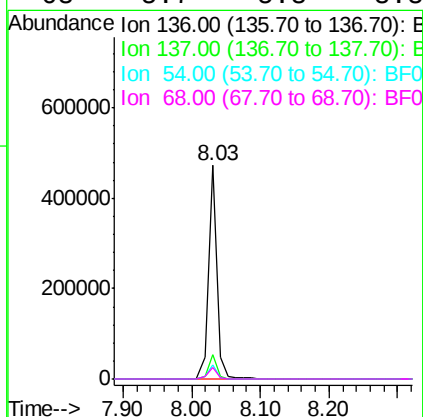
RT: 8.03 min Scan# 520

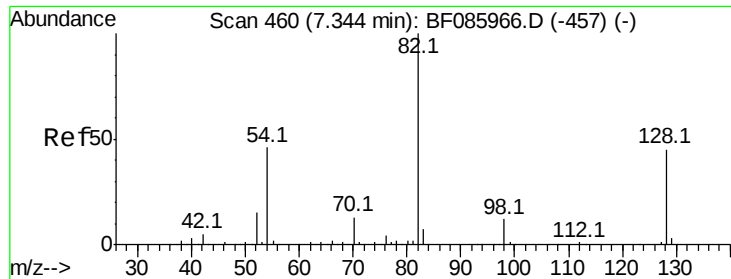
Delta R.T. -0.03 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Tgt Ion:	136	Resp:	403597
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	6.7	7.4	11.0#
68	5.7	5.8	8.8#





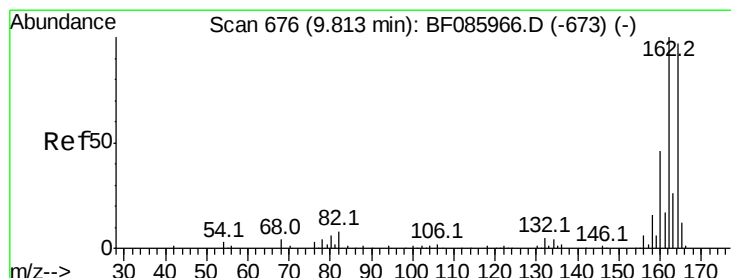
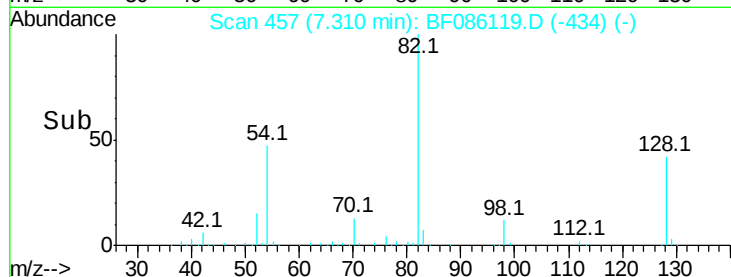
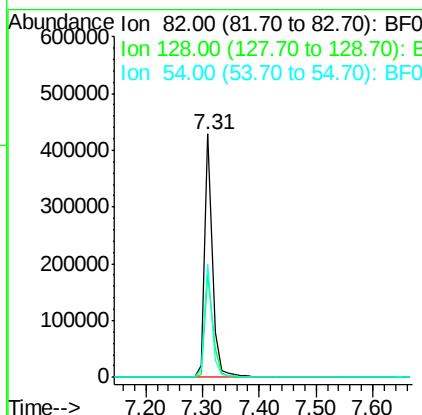
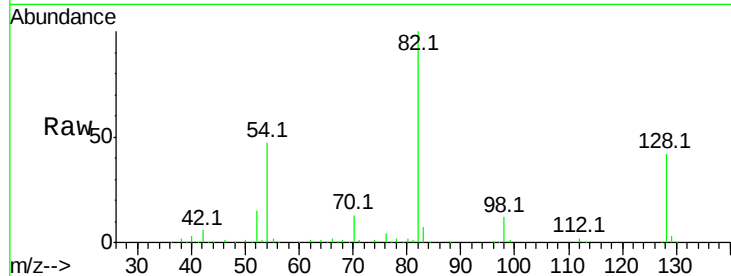
#23
 Nitrobenzene-d5
 Concen: 57.12 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086119.D
 Acq: 7 Apr 2016 1:18

Instrument :
 BNA_F
 ClientSampled :
 BH-14(0-4)

Tot Ion	82	Resp	390895
Ion Ratio	100	Lower	Upper
82	100		
128	42.4	41.8	62.8
54	46.7	33.4	50.0

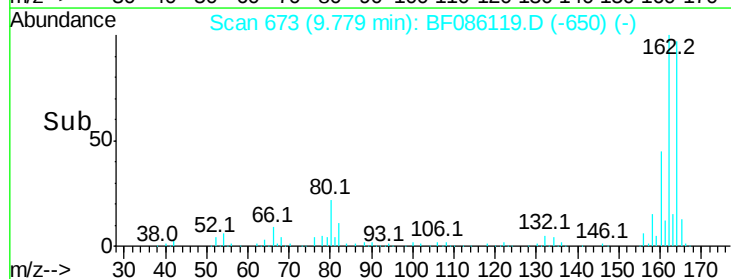
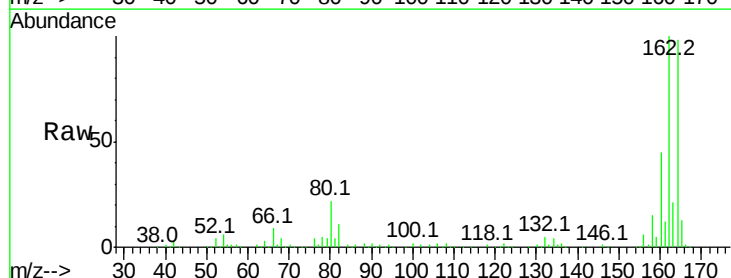
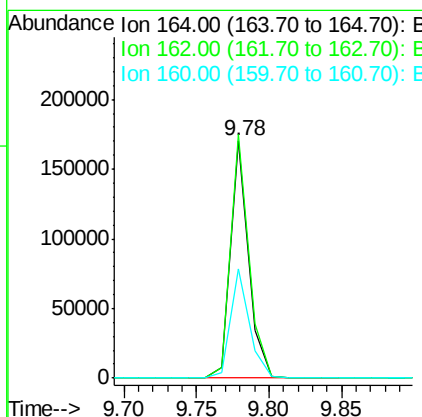
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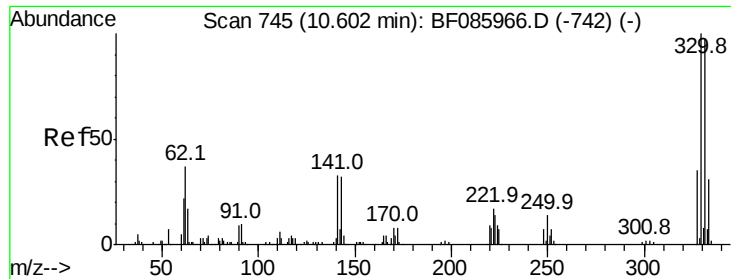
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: BF086119.D
 Acq: 7 Apr 2016 1:18

Tgt Ion	164	Resp	147165
Ion Ratio	100	Lower	Upper
164	100		
162	102.6	82.1	123.1
160	46.1	37.4	56.2





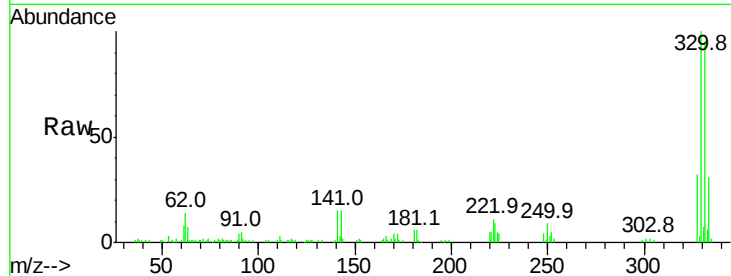
#41
 2,4,6-Tribromophenol
 Concen: 72.51 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086119.D
 Acq: 7 Apr 2016 1:18

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

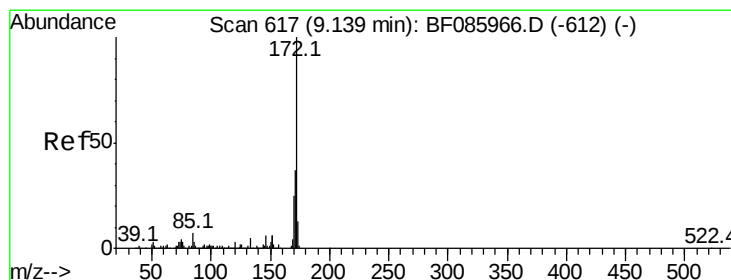
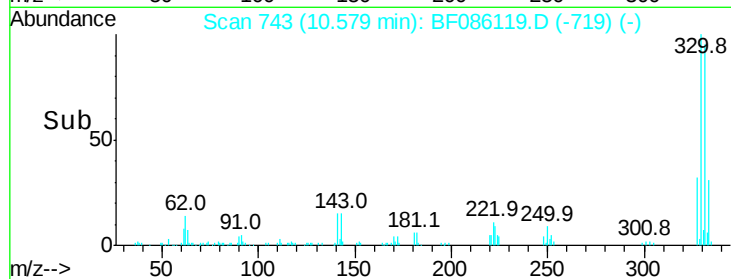
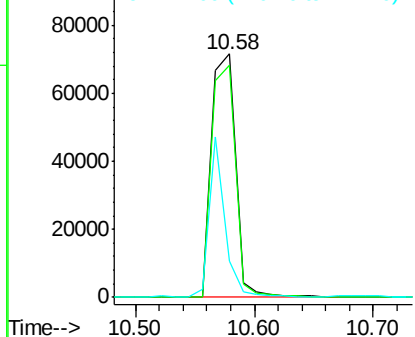
Tot Ion	Ratio	Resp	Lower	Upper
330	100	100151		
332	95.1	78.2	117.2	
141	43.8	31.5	47.3	

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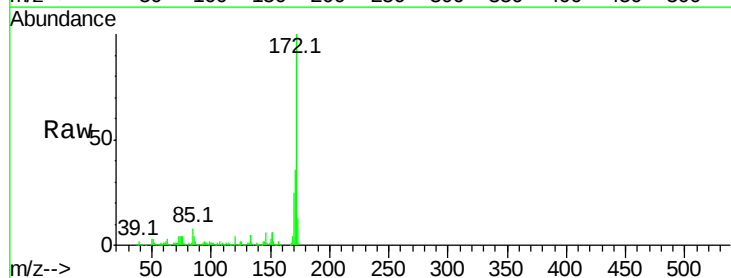


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

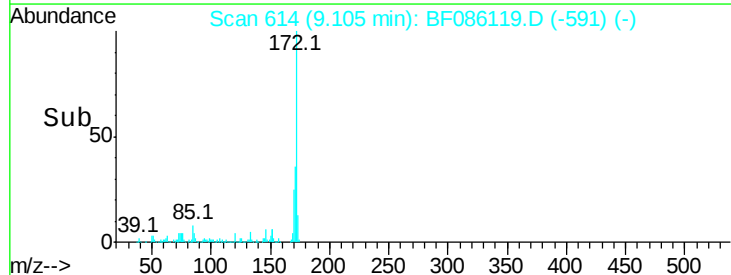
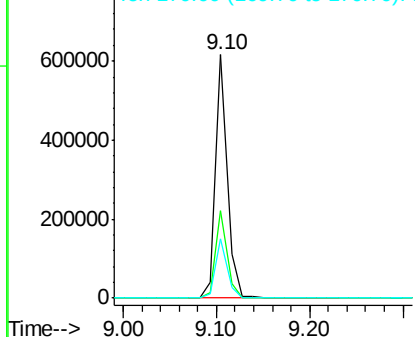


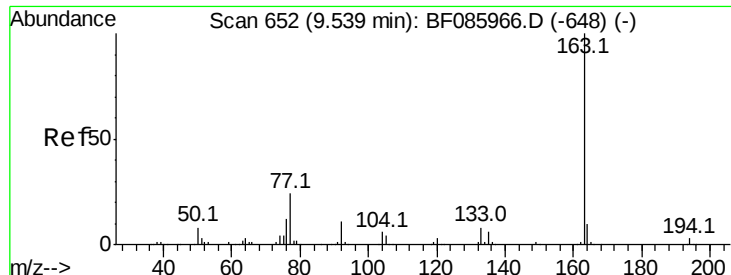
#44
 2-Fluorobiphenyl
 Concen: 60.33 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086119.D
 Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	533946		
171	35.9	29.4	44.2	
170	24.5	19.8	29.6	



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





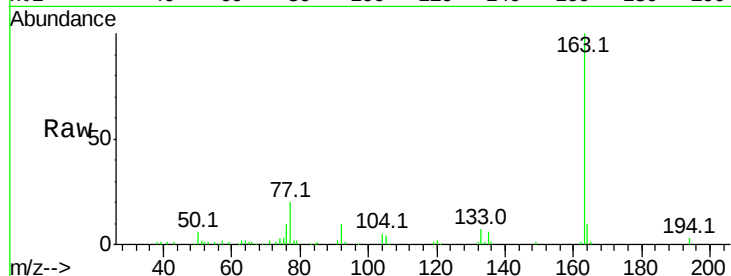
#49
Dimethylphthalate
Concen: 7.79 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

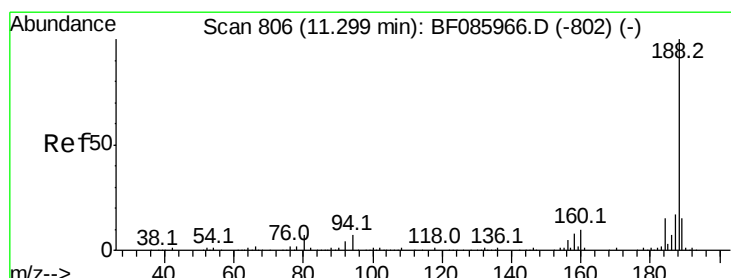
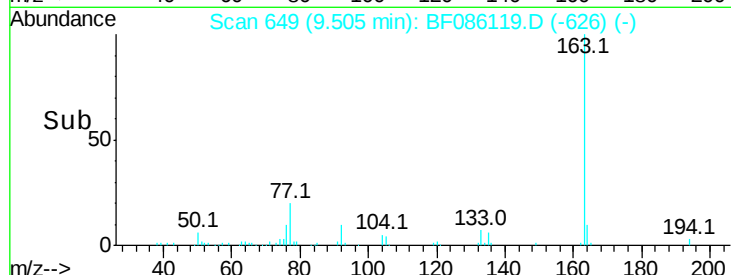
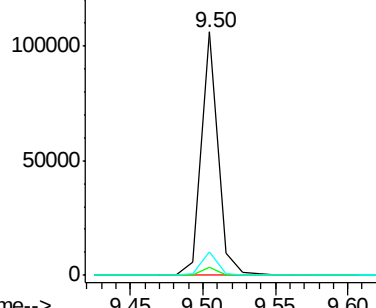
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.9	4.3	
164	9.7	8.3	12.5	

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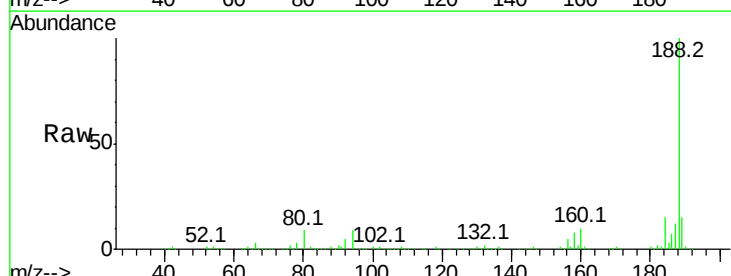


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

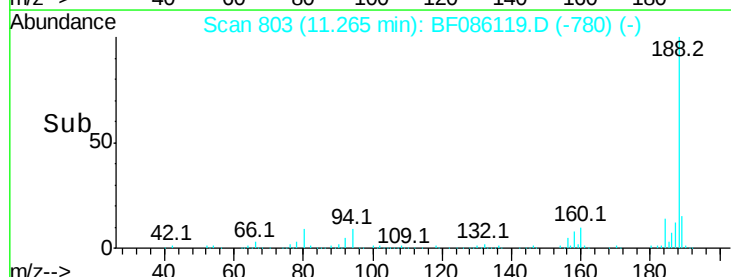
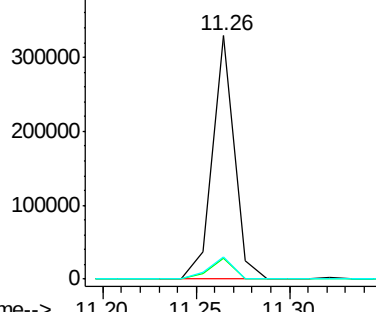


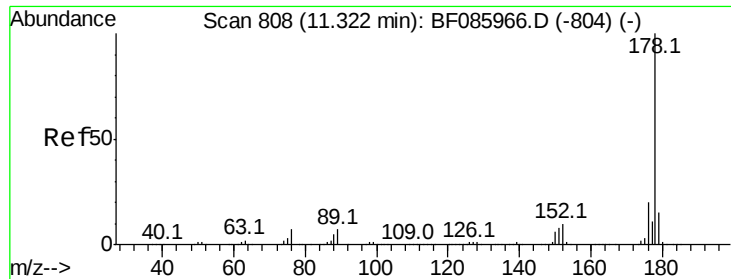
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.7	5.4	8.0#	
80	9.2	5.5	8.3#	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





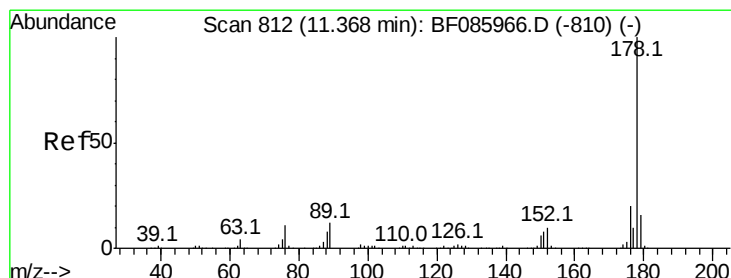
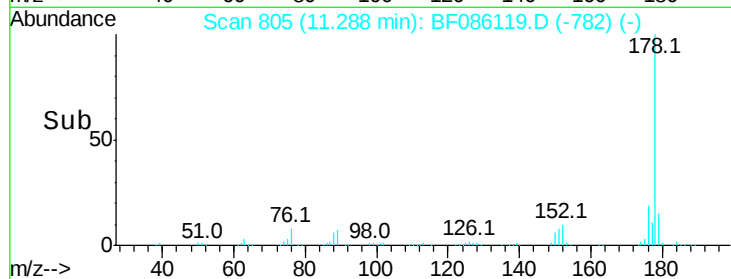
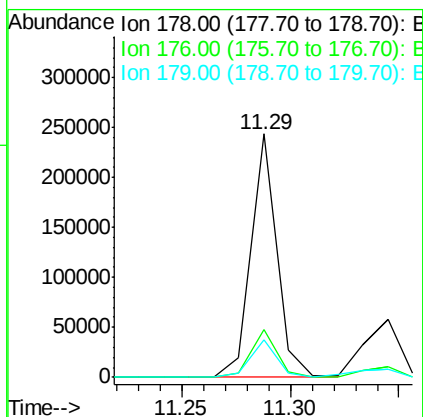
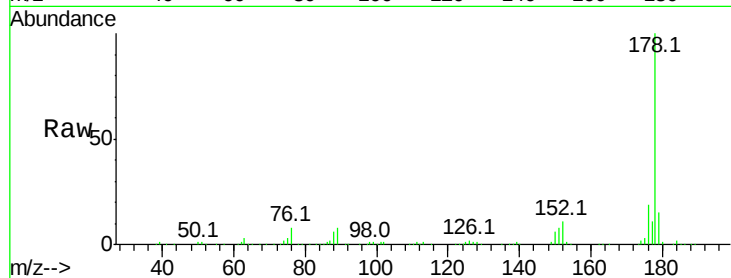
#70
Phenanthrene
Concen: 13.77 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.2	12.6	18.8

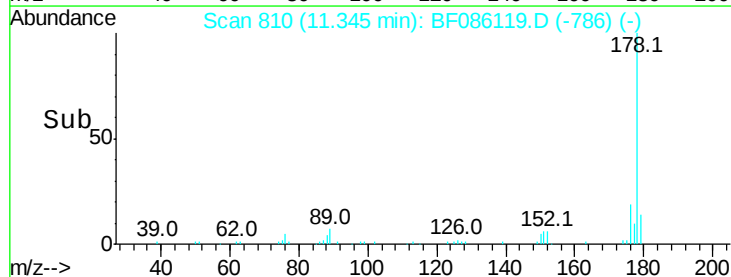
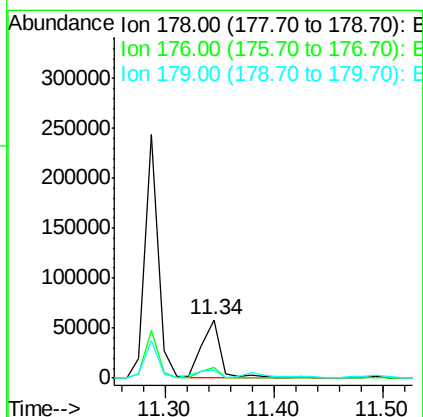
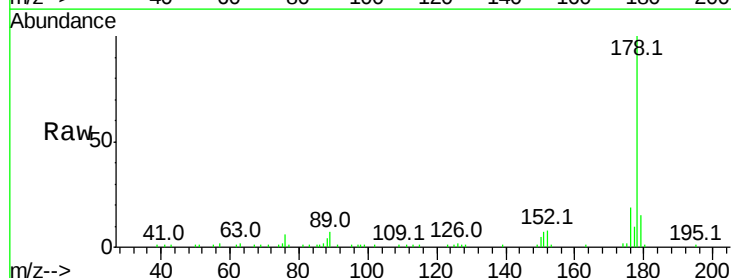
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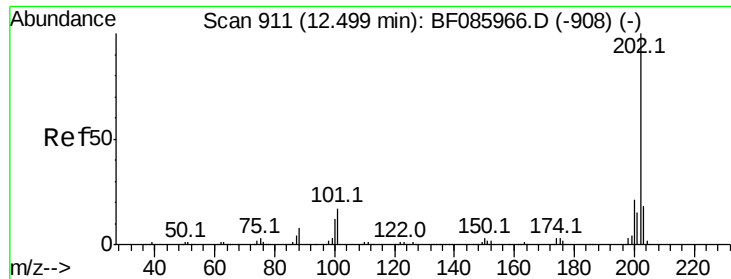
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#71
Anthracene
Concen: 4.48 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.02 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	14.9	13.0	19.4





#74

Fluoranthene

Concen: 20.45 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Instrument :

BNA_F

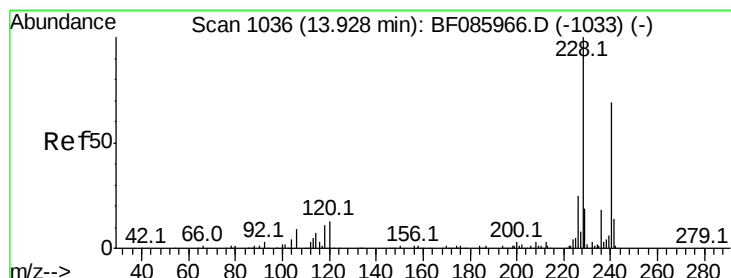
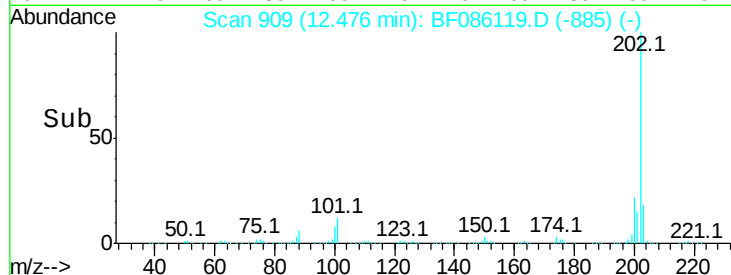
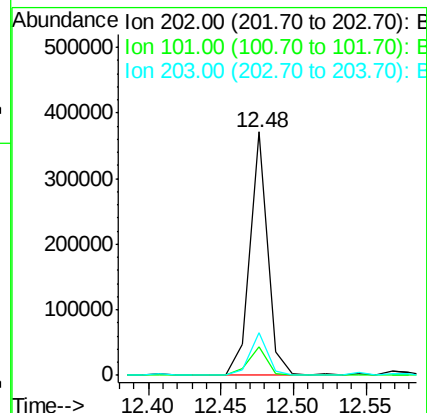
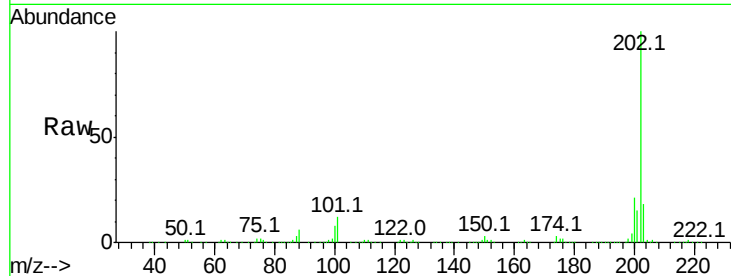
ClientSampled :

BH-14(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	36.6
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

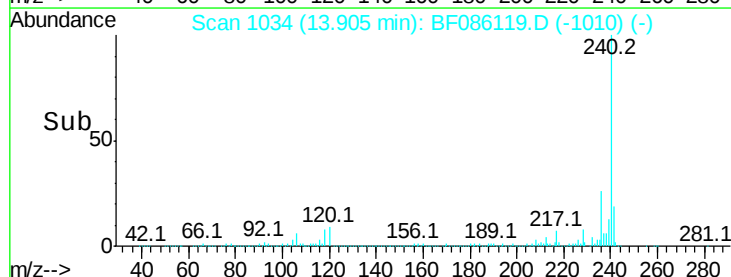
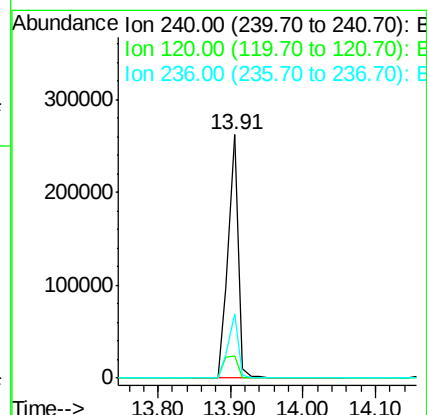
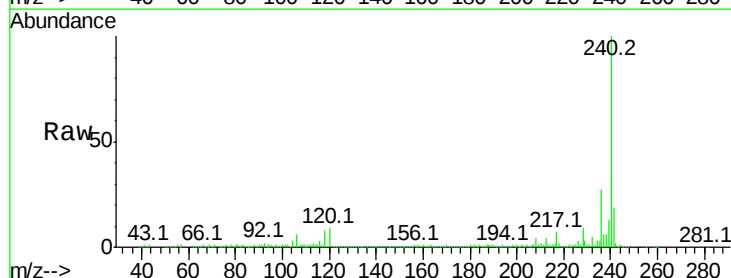
RT: 13.91 min Scan# 1034

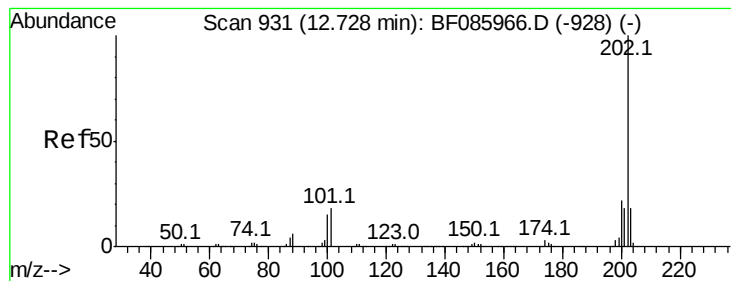
Delta R.T. -0.02 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	13.8	20.8#
236	26.6	20.6	30.8





#77

Pvrene

Concen: 15.29 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Instrument :

BNA_F

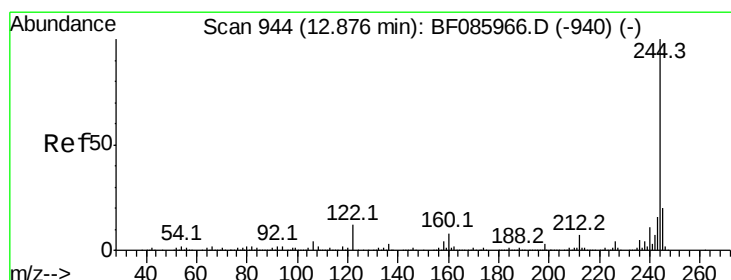
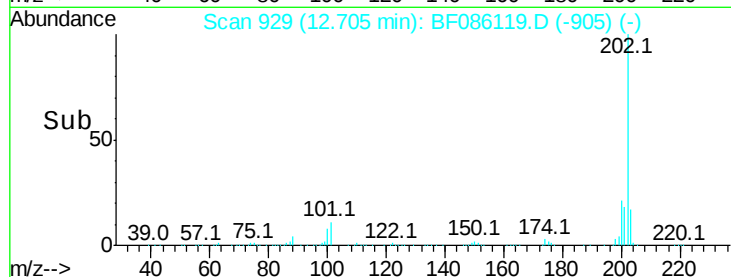
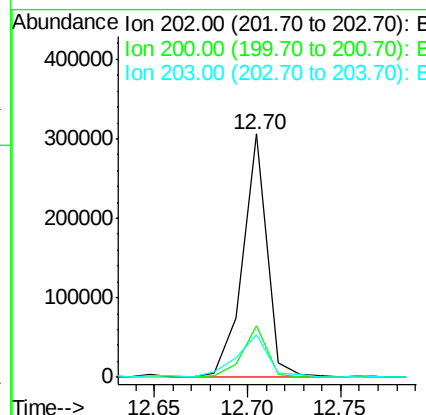
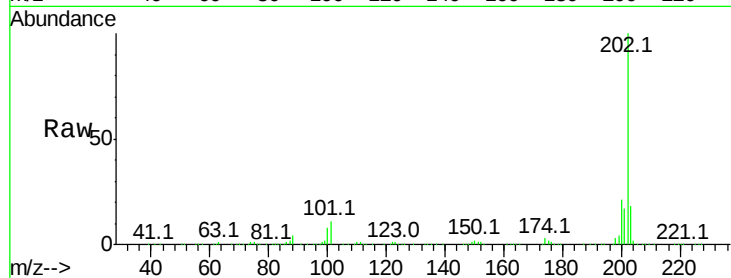
ClientSampleId :

BH-14(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	279653		
200	21.4		17.6	26.4
203	17.5		14.0	21.0

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#78

Terphenyl-d14

Concen: 39.78 ng

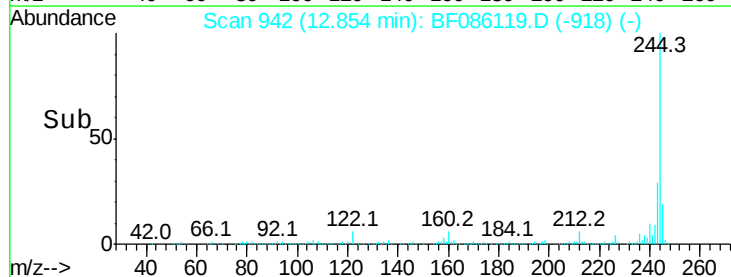
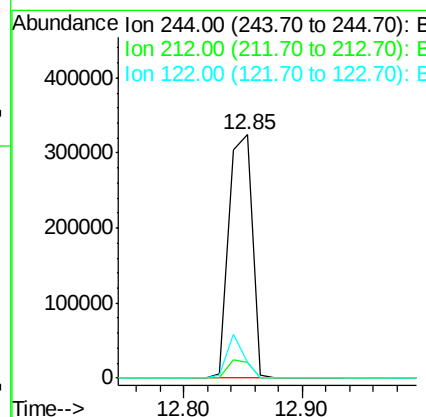
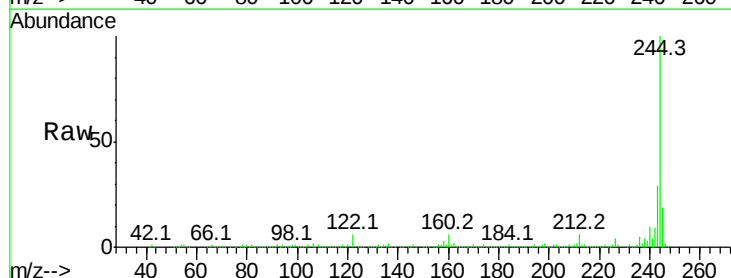
RT: 12.85 min Scan# 942

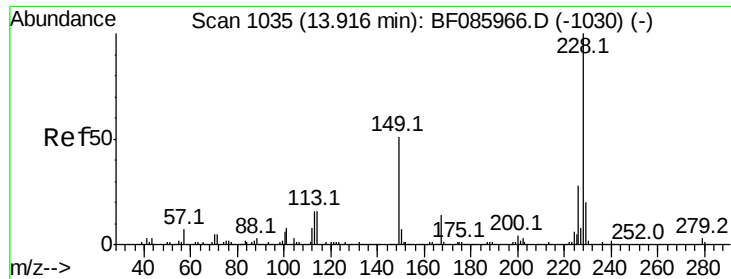
Delta R.T. -0.02 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	439373		
212	6.5		6.1	9.1
122	6.4		10.2	15.4#





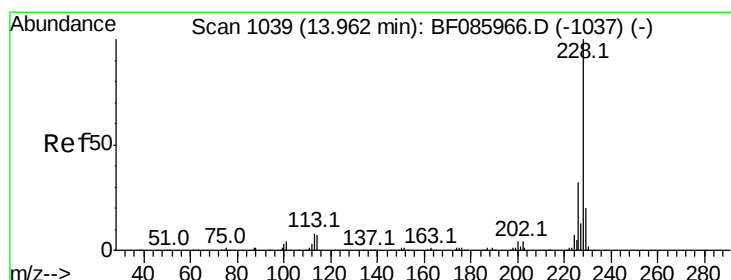
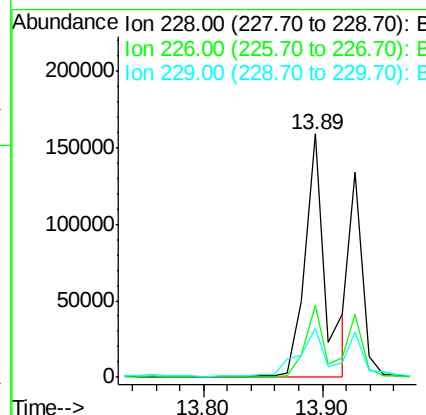
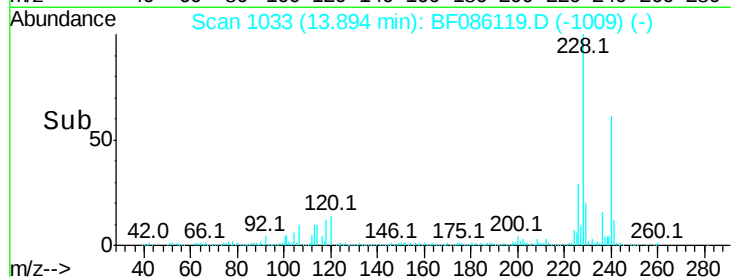
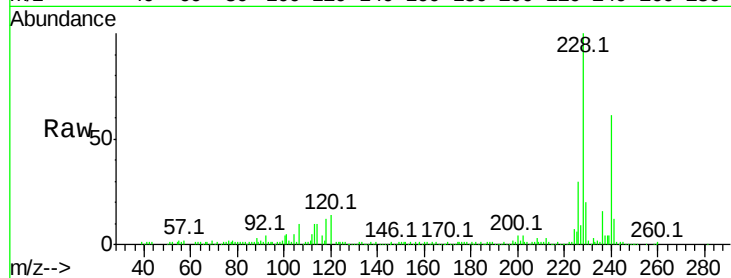
#80
Benzo(a)anthracene
Concen: 12.37 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	19.9	16.2	24.4

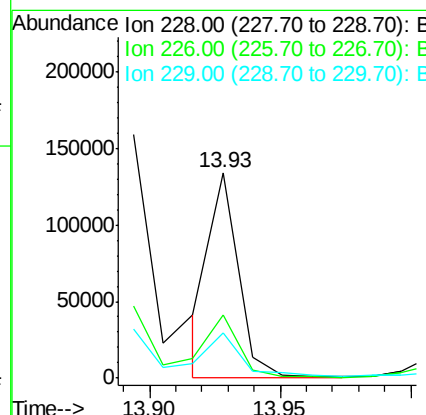
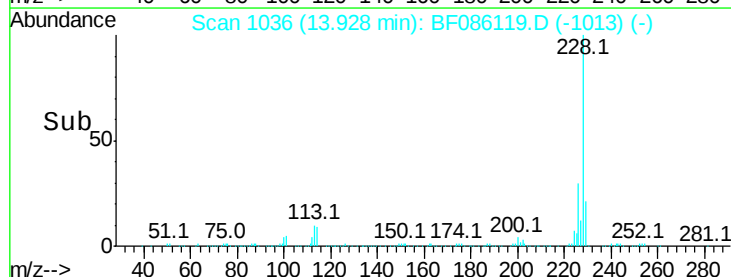
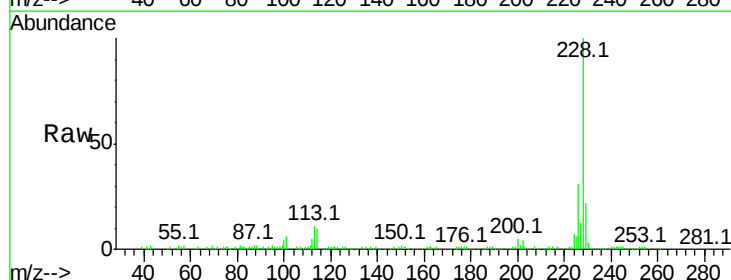
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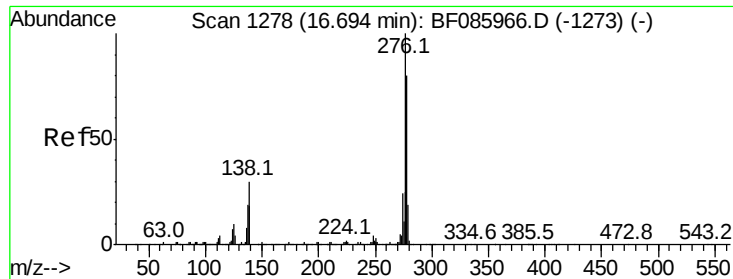
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#82
Chrysene
Concen: 6.95 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.0	15.7	23.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.58 ng

RT: 16.65 min Scan# 1274

Delta R.T. -0.05 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Instrument :

BNA_F

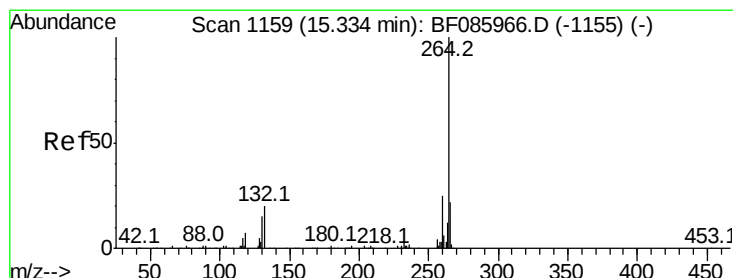
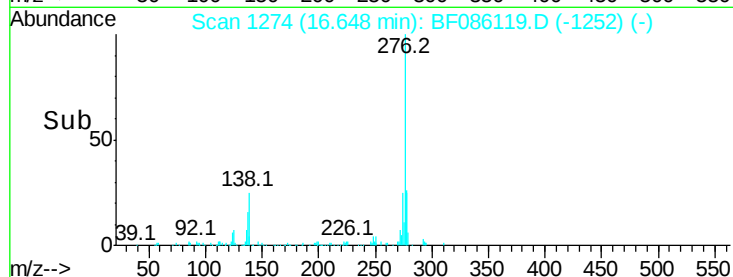
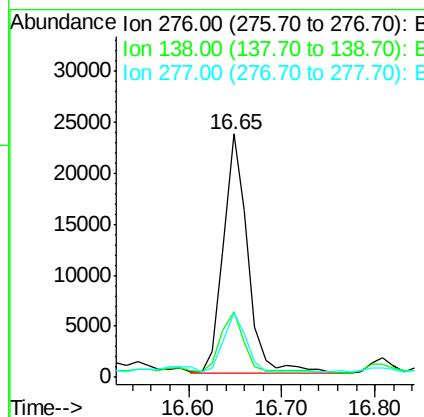
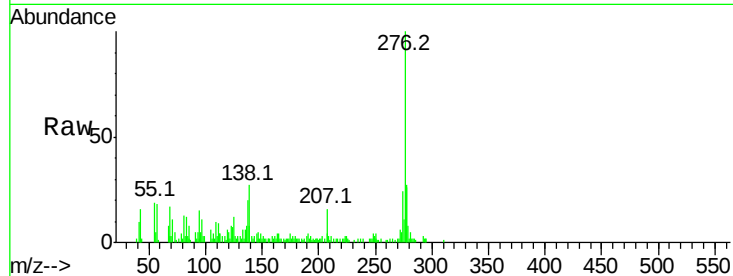
ClientSampleId :

BH-14(0-4)

Tot Ion:	276	Resp:	42814
Ion Ratio	Lower	Upper	
276	100		
138	22.6	24.2	36.4#
277	22.5	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

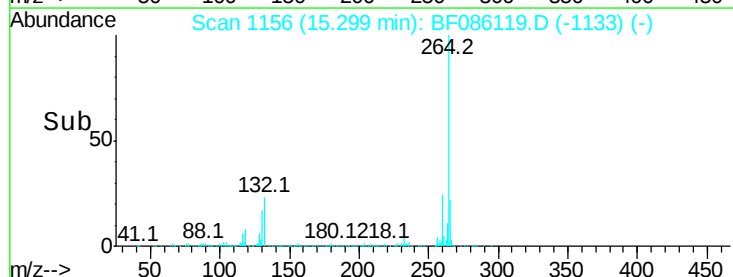
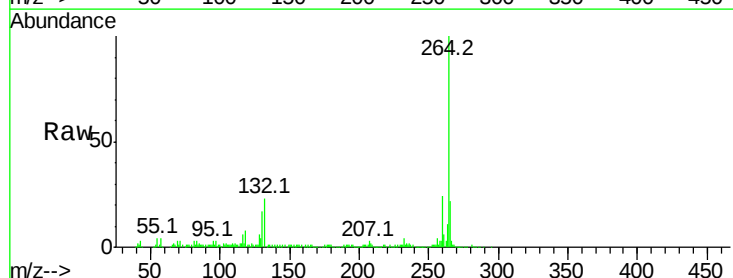
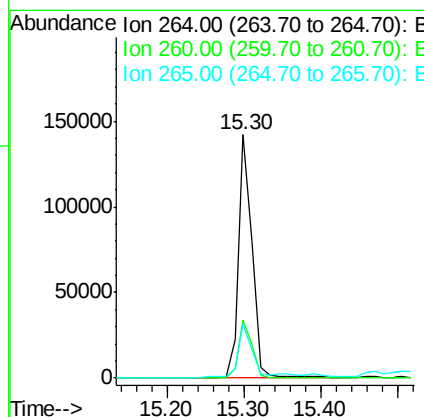
RT: 15.30 min Scan# 1156

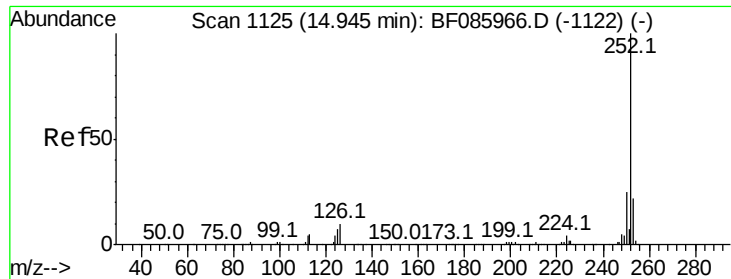
Delta R.T. -0.03 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Tgt Ion:	264	Resp:	178390
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.2
265	22.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.62 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Instrument :

BNA_F

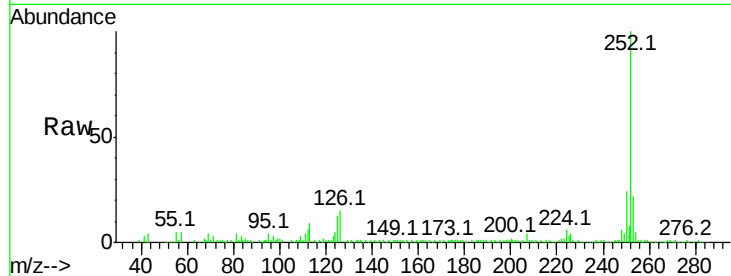
ClientSampleId :

BH-14(0-4)

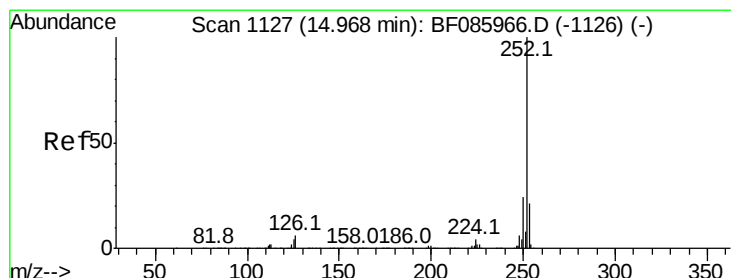
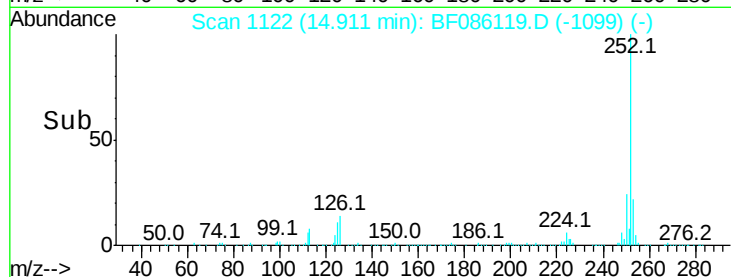
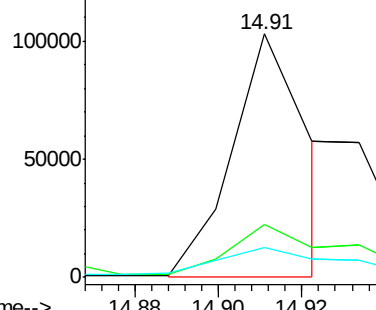
Tot Ion:	252	Resp:	130348
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.6	26.4
125	12.5	10.3	15.5

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.17 ng m

RT: 14.92 min Scan# 1123

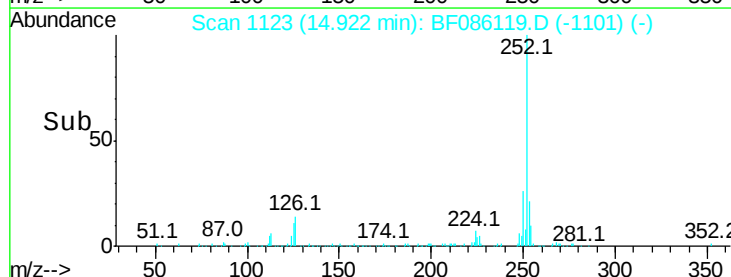
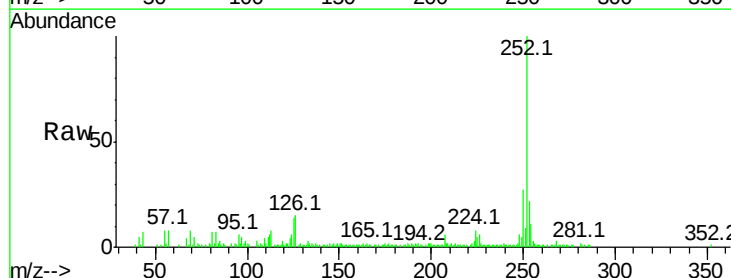
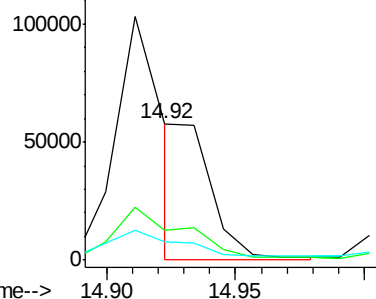
Delta R.T. -0.05 min

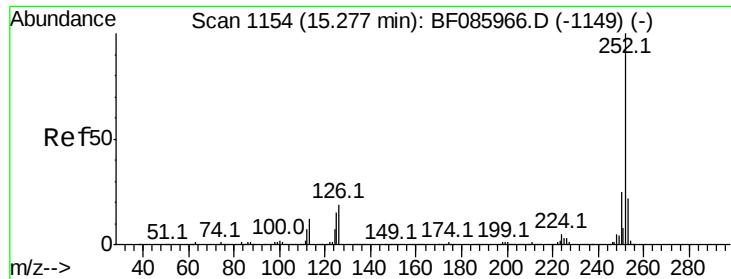
Lab File: BF086119.D

Acq: 7 Apr 2016 1:18

Tgt Ion:	252	Resp:	51414
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	13.5	7.7	11.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





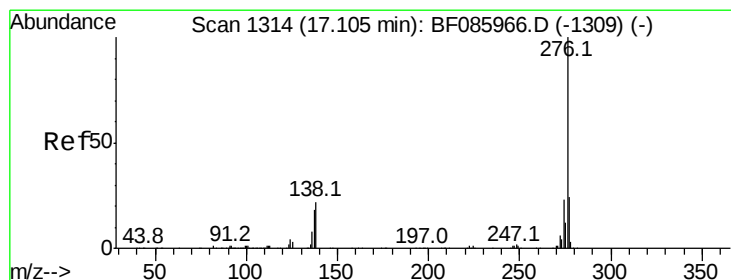
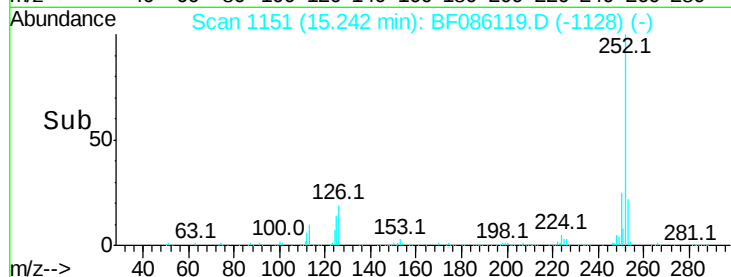
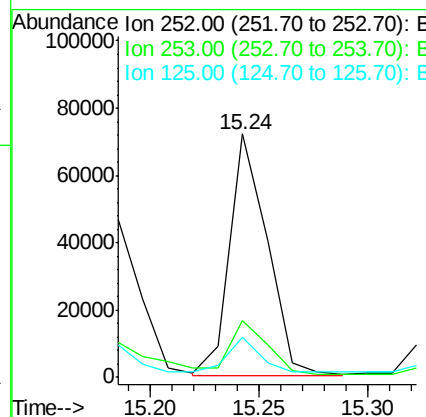
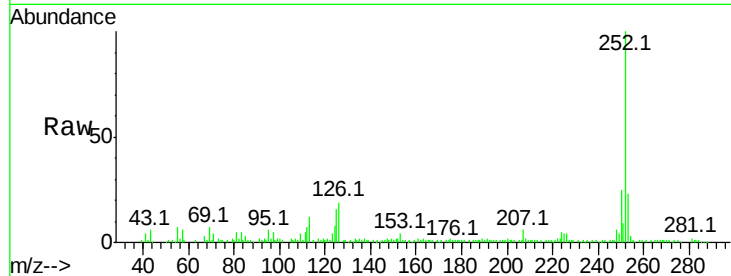
#89
Benzo(a)pyrene
Concen: 8.64 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.4	26.0
125	16.2	10.3	15.5#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.56 ng
RT: 17.06 min Scan# 1310
Delta R.T. -0.05 min
Lab File: BF086119.D
Acq: 7 Apr 2016 1:18

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.5	18.8	28.2
138	26.1	22.6	34.0

