

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086643.D
 Acq On : 3 May 2016 14:25
 Operator : UM/SJ
 Sample : H2757-01 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1(2-4)

Manual Integrations
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Quant Time: May 03 15:31:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	128219	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	511882	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	239248	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	374881	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	249080	20.00	ng	-0.06
86) Perylene-d12	15.30	264	237544	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	216218	29.09	ng	-0.06
7) Phenol-d6	6.38	99	318326	30.68	ng	-0.06
23) Nitrobenzene-d5	7.31	82	193788	20.41	ng	-0.07
41) 2,4,6-Tribromophenol	10.58	330	57267	22.70	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	389260	20.95	ng	-0.06
78) Terphenyl-d14	12.85	244	249224	22.04	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	51751	2.87	ng	98
70) Phenanthrene	11.29	178	191350	9.73	ng	97
71) Anthracene	11.34	178	51161	2.44	ng	99
73) Di-n-butylphthalate	11.84	149	50546	2.40	ng	# 97
74) Fluoranthene	12.48	202	272626	13.73	ng	94
77) Pyrene	12.71	202	254968	14.21	ng	99
80) Benzo(a)anthracene	13.89	228	115341m	8.69	ng	
82) Chrysene	13.93	228	121341m	8.41	ng	
87) Benzo(b)fluoranthene	14.91	252	147056m	10.52	ng	
88) Benzo(k)fluoranthene	14.92	252	52715m	3.62	ng	
89) Benzo(a)pyrene	15.24	252	109420	8.29	ng	94
91) Benzo(a,h,i)perylene	17.03	276	62698	5.79	ng	95

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

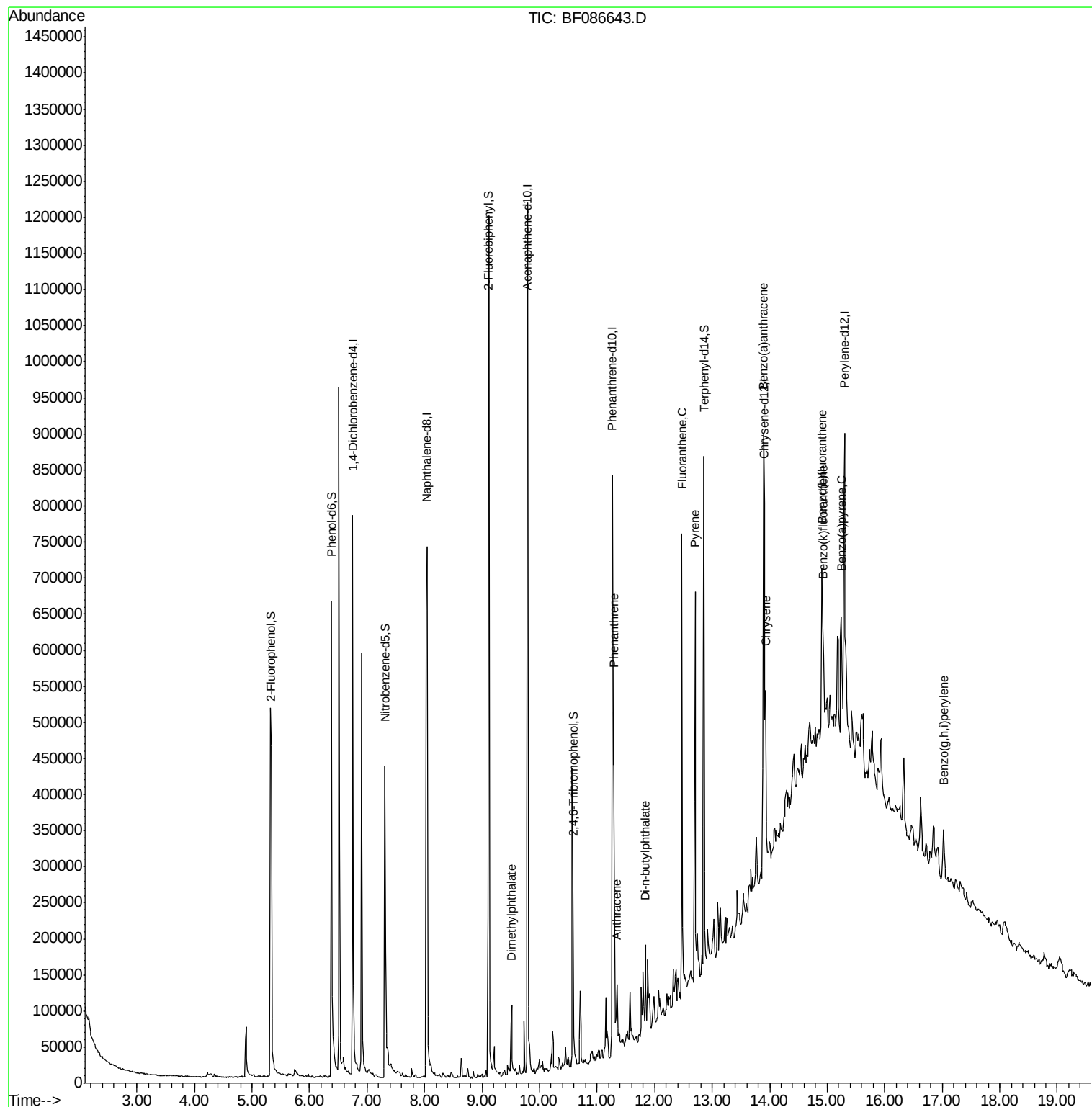
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086643.D
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Sample : H2757-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

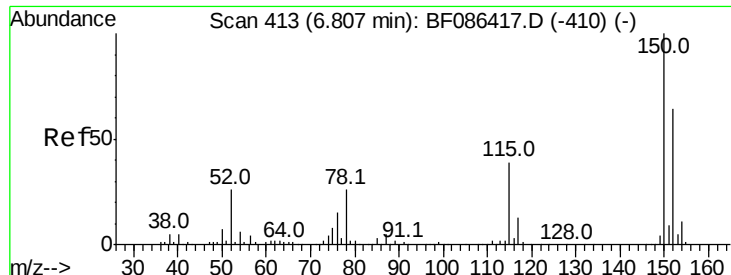
Instrument :
BNA_F
ClientSampleId :
B1(2-4)

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Quant Time: May 03 15:31:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

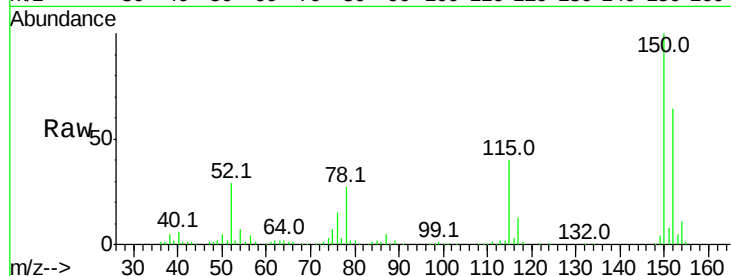
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF086643.D
Acq: 3 May 2016 14:25

Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	128219		
150	155.7	125.8	188.6	
115	62.5	51.5	77.3	

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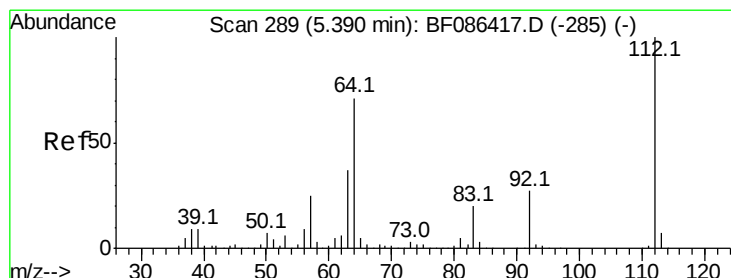
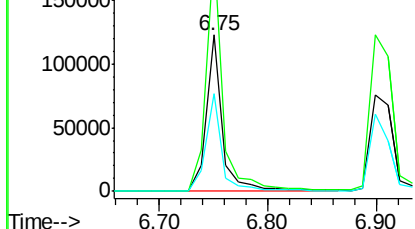
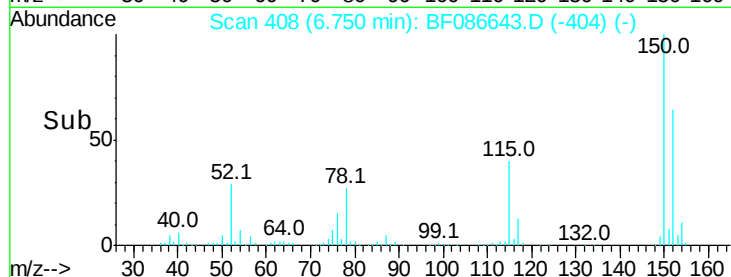


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

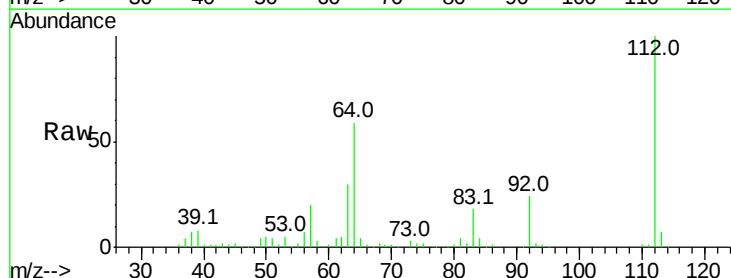
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 29.09 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.06 min
Lab File: BF086643.D
Acq: 3 May 2016 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	216218		
64	58.5	52.1	78.1	
63	30.2	25.7	38.5	

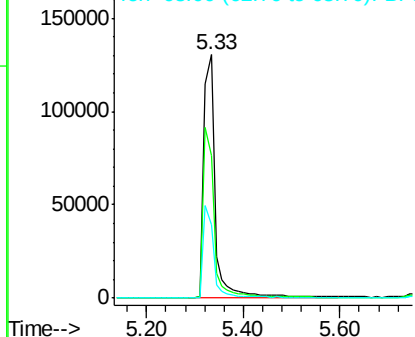
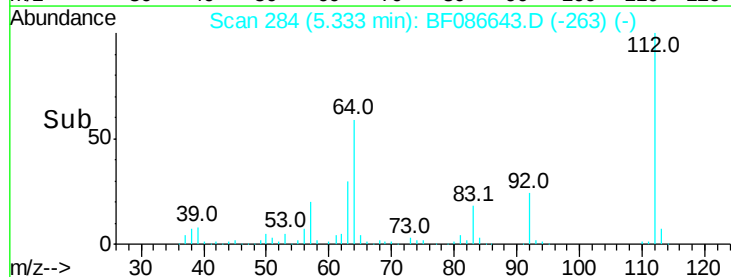


Abundance

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: 30.68 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

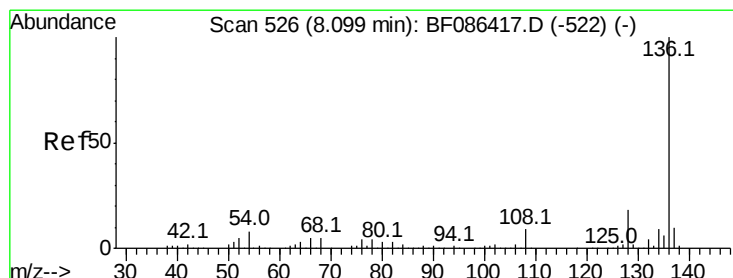
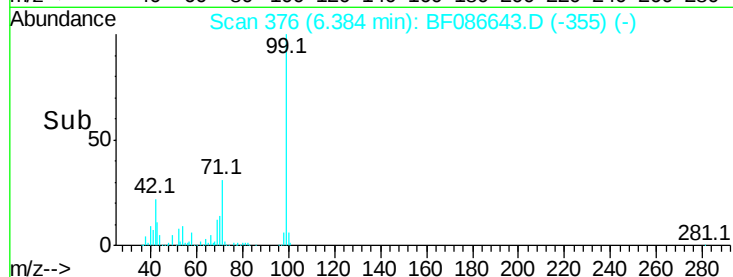
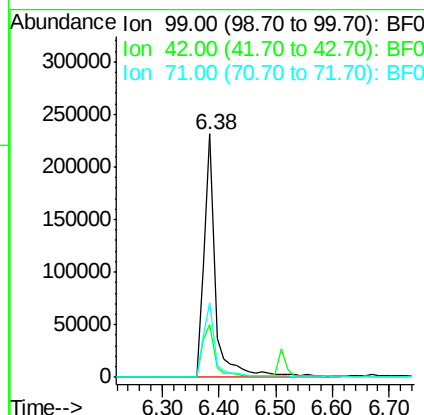
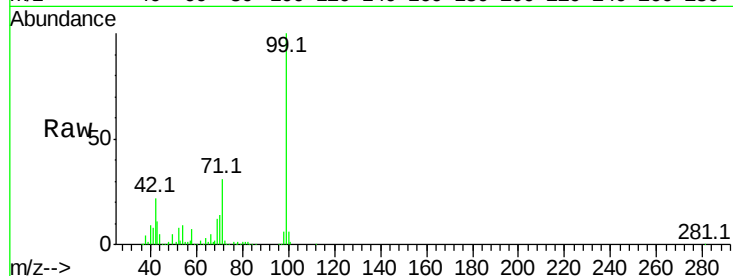
ClientSampleId :

B1(2-4)

Tot Ion:	99	Resp:	318326
Ion Ratio	Lower	Upper	
99	100		
42	21.6	13.6	20.4#
71	30.8	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

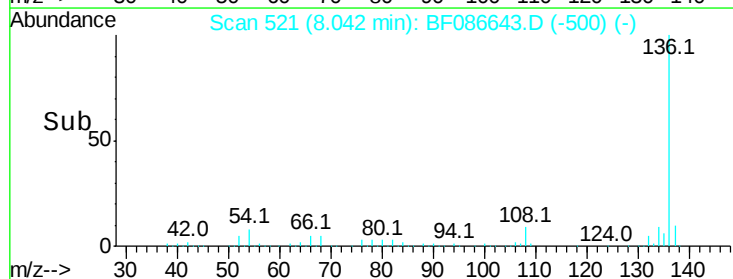
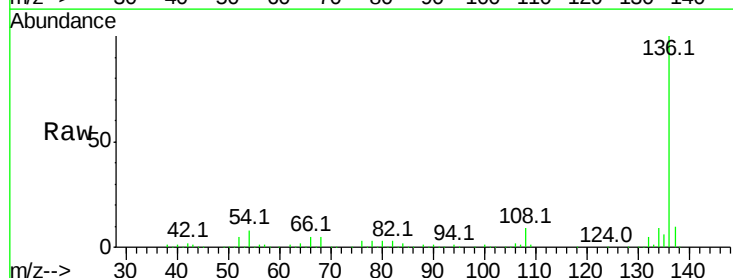
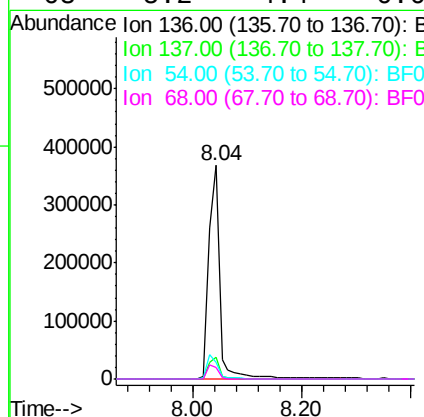
RT: 8.04 min Scan# 521

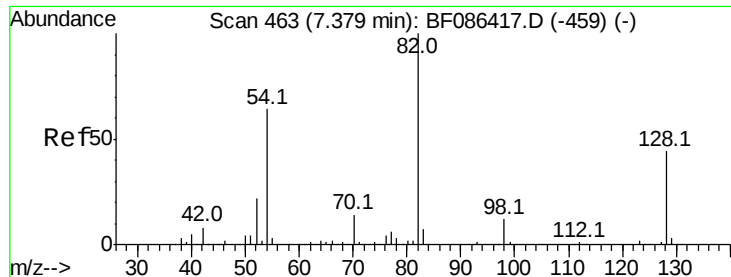
Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion:	136	Resp:	511882
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.8	13.2
54	8.1	5.0	7.4#
68	5.2	4.4	6.6





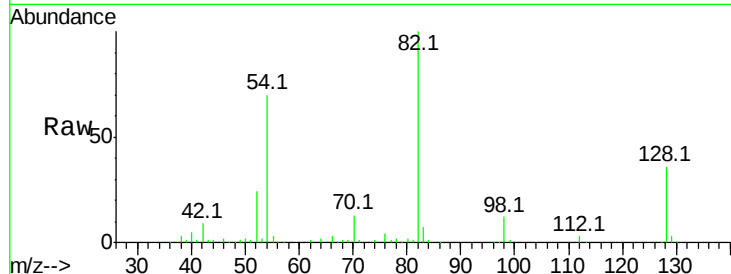
#23
 Nitrobenzene-d5
 Concen: 20.41 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.07 min
 Lab File: BF086643.D
 Acq: 3 May 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 B1(2-4)

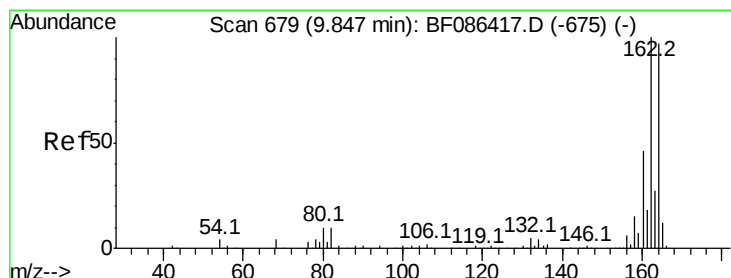
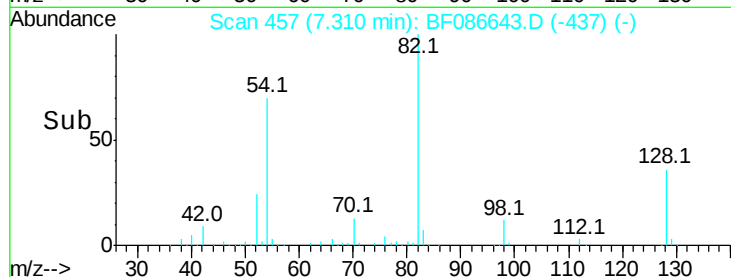
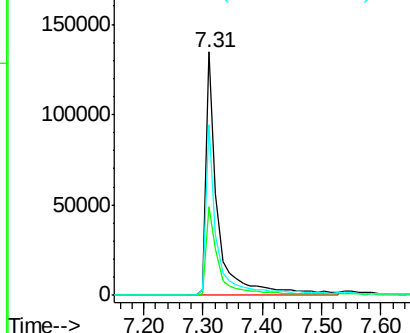
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.4	40.6	61.0#
54	70.2	38.1	57.1#

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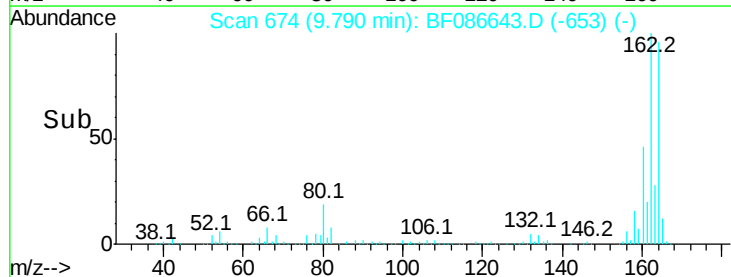
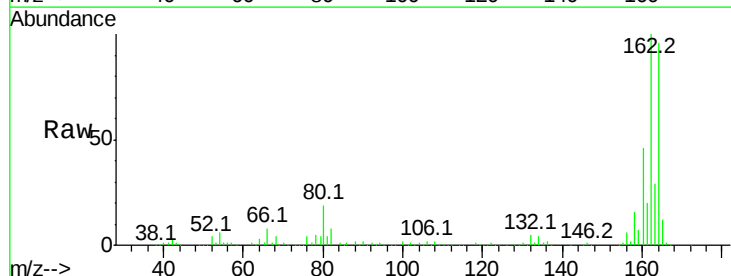
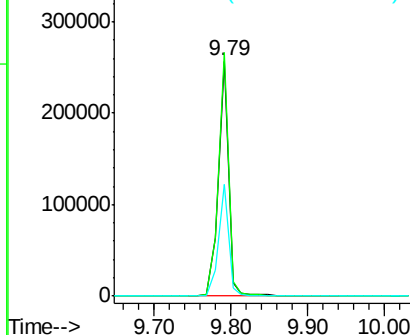
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

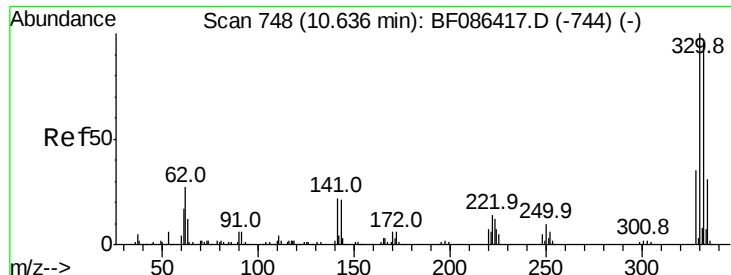


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF086643.D
 Acq: 3 May 2016 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.8	124.2
160	47.7	36.9	55.3

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





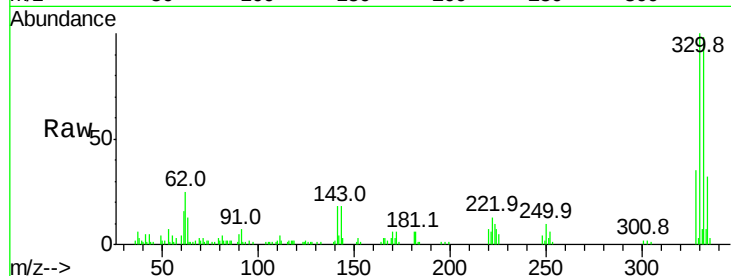
#41
 2,4,6-Tribromophenol
 Concen: 22.70 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086643.D
 Acq: 3 May 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 B1(2-4)

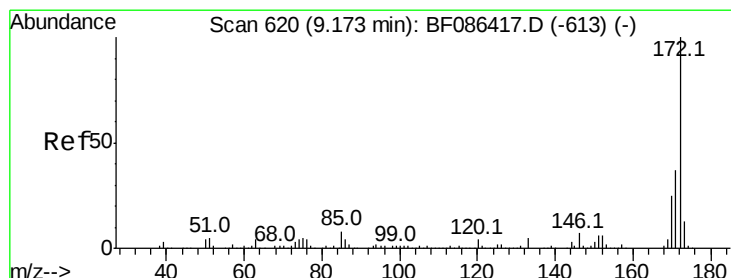
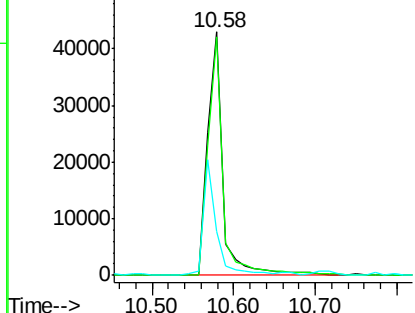
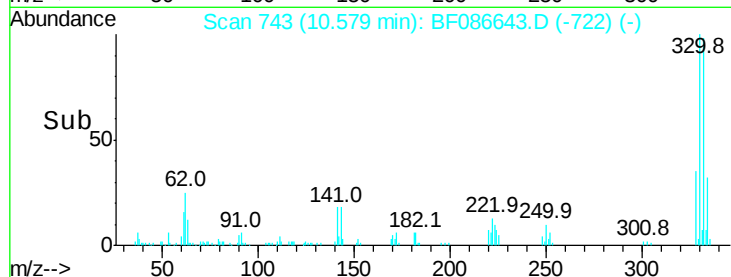
Tot Ion	Ratio	Resp	Lower	Upper
330	100	57267		
332	97.2		79.0	118.4
141	42.0		31.2	46.8

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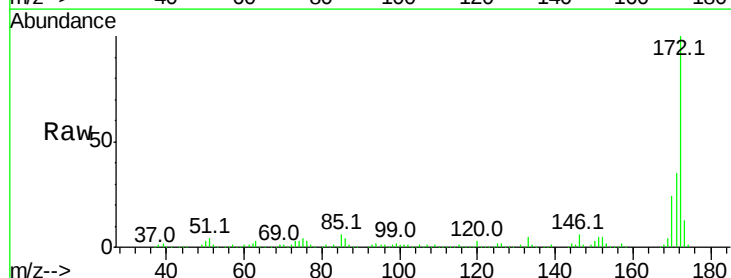


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

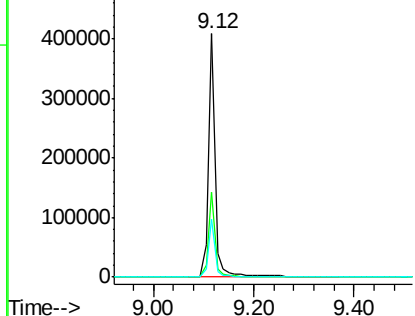
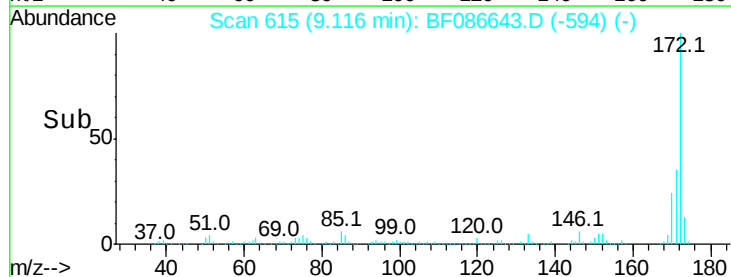


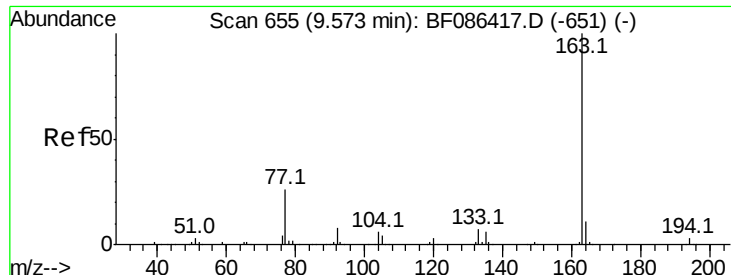
#44
 2-Fluorobiphenyl
 Concen: 20.95 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086643.D
 Acq: 3 May 2016 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	389260		
171	35.1		29.0	43.6
170	23.6		19.8	29.8



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





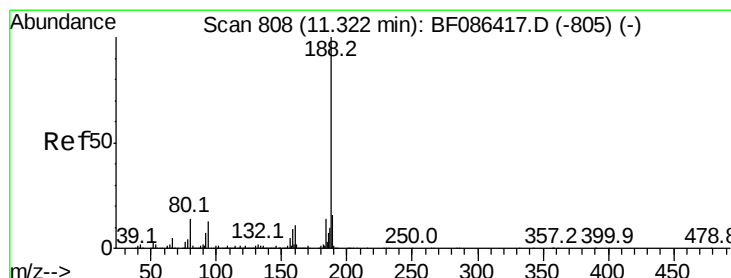
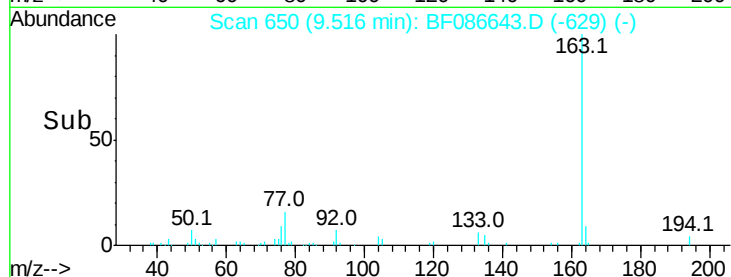
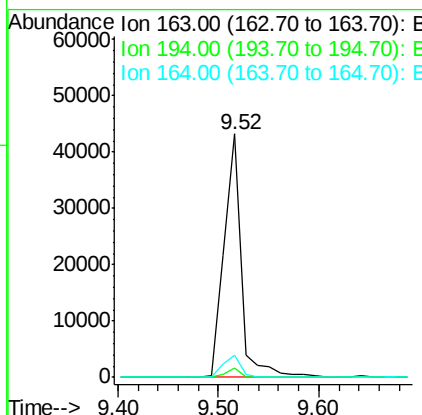
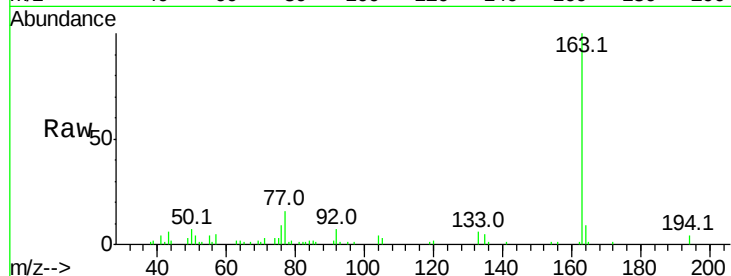
#49
Dimethylphthalate
Concen: 2.87 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF086643.D
Acq: 3 May 2016 14:25

Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	51751		
194	3.8	2.6	4.0	
164	9.3	8.2	12.4	

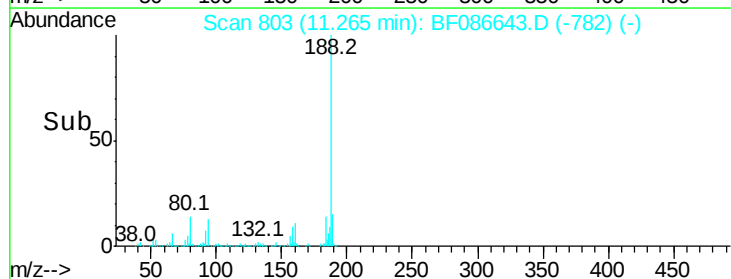
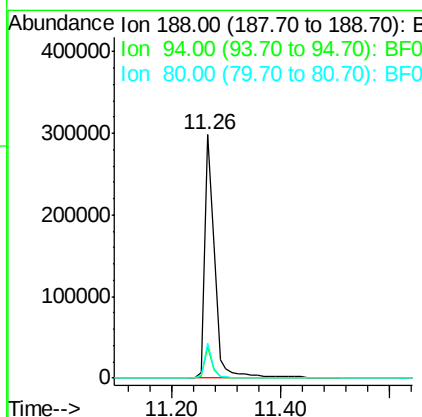
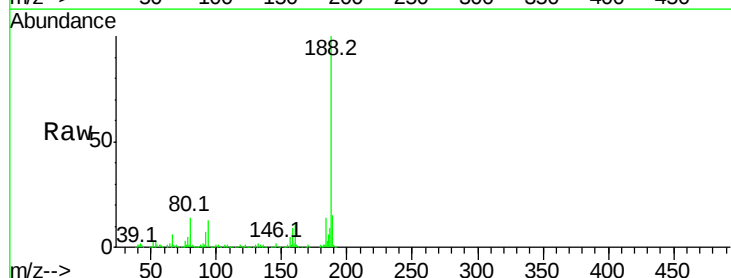
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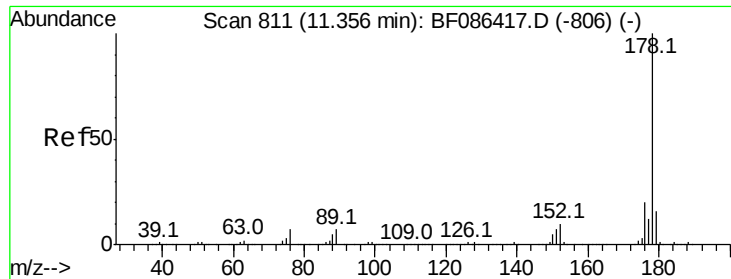
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF086643.D
Acq: 3 May 2016 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	374881		
94	12.9	6.8	10.2#	
80	14.1	7.1	10.7#	





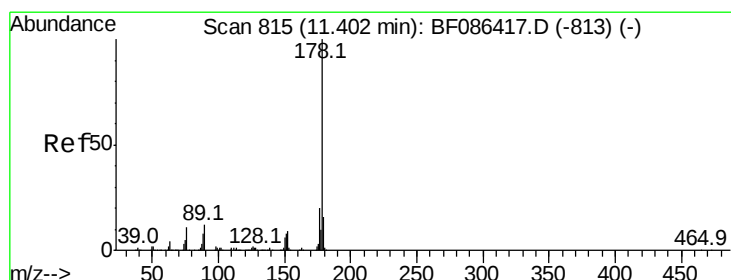
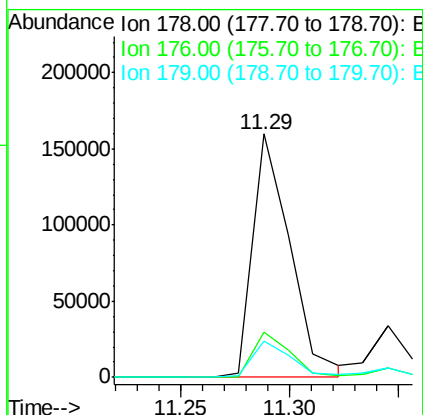
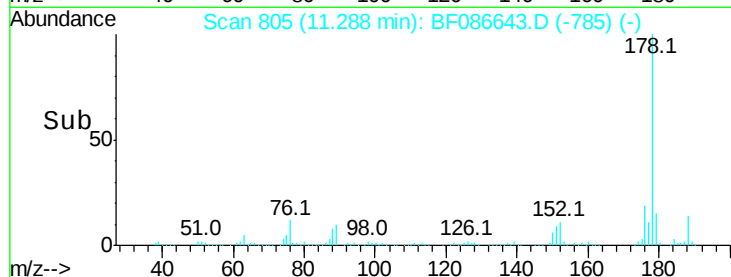
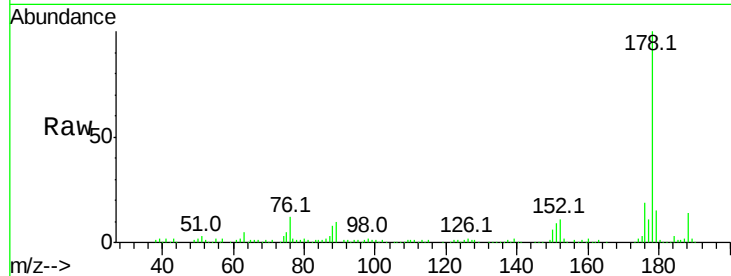
#70
Phenanthrene
Concen: 9.73 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.07 min
Lab File: BF086643.D
Acq: 3 May 2016 14:25

Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	14.8	12.6	18.8

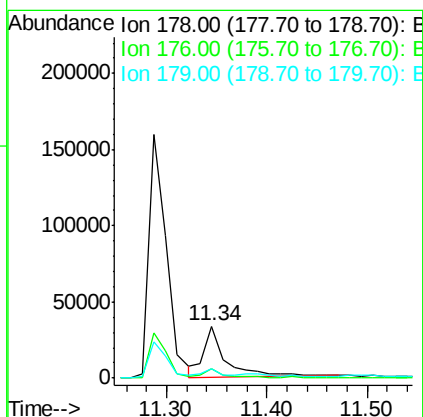
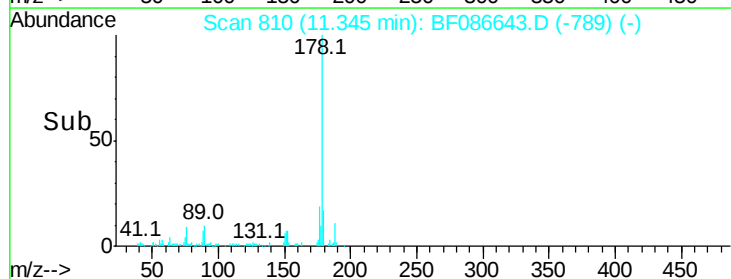
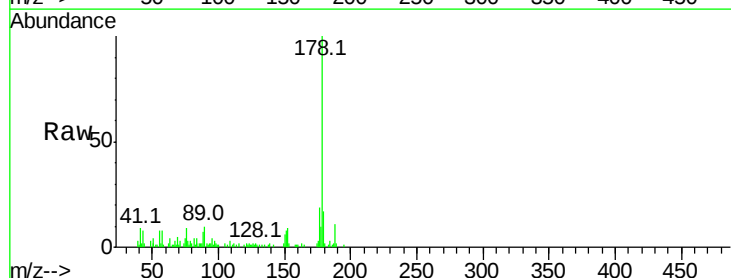
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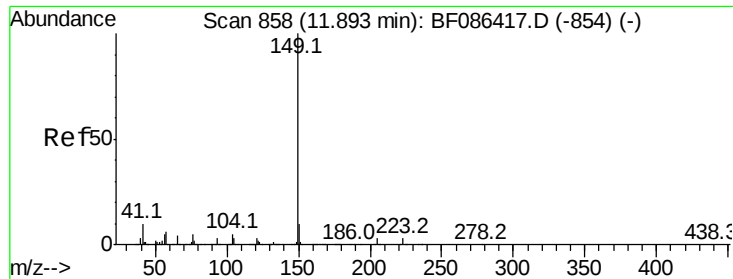
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#71
Anthracene
Concen: 2.44 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.06 min
Lab File: BF086643.D
Acq: 3 May 2016 14:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	16.8	12.7	19.1





#73

Di-n-butylphthalate

Concen: 2.40 ng

RT: 11.84 min Scan# 853

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

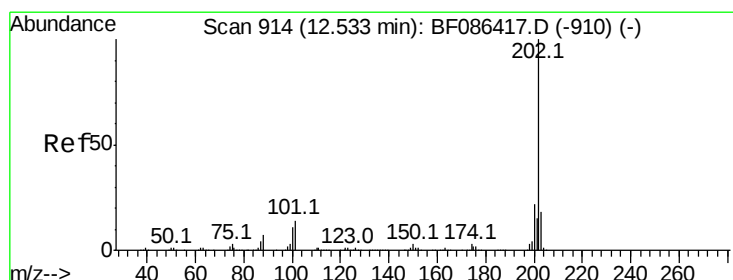
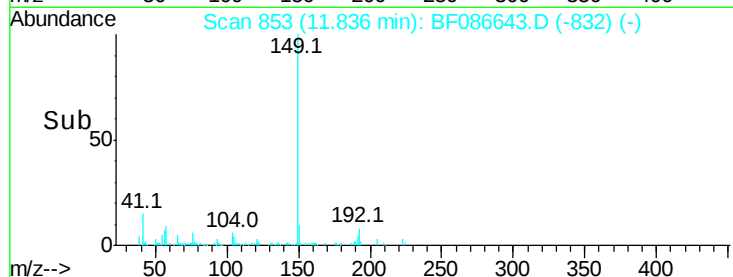
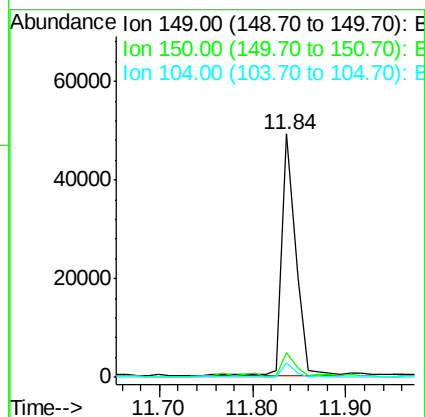
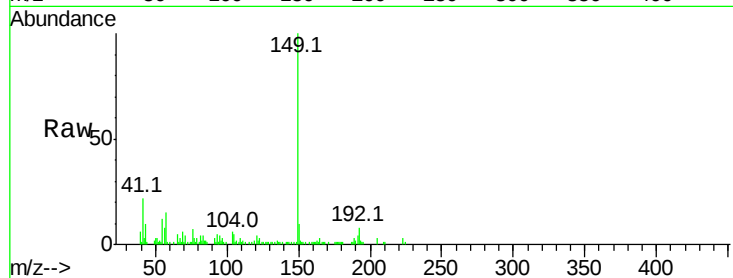
ClientSampleId :

B1(2-4)

Tot Ion:	149	Resp:	50546
Ion Ratio	Lower	Upper	
149	100		
150	10.2	7.6	11.4
104	6.0	3.8	5.6

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#74

Fluoranthene

Concen: 13.73 ng

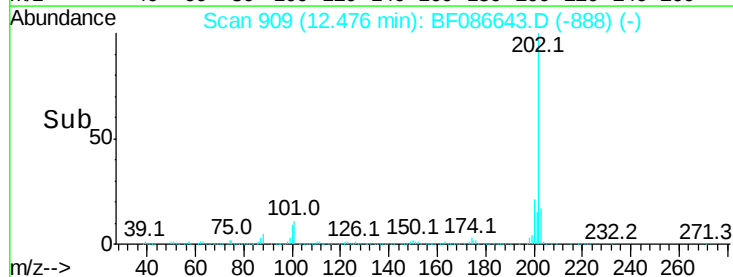
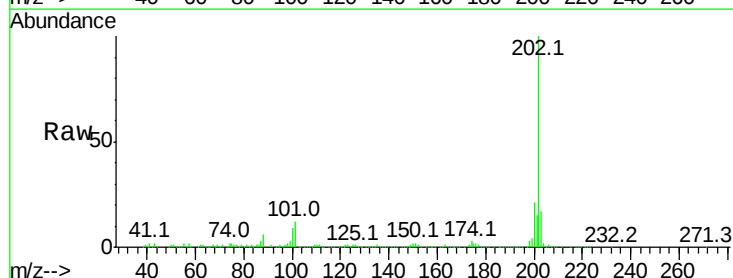
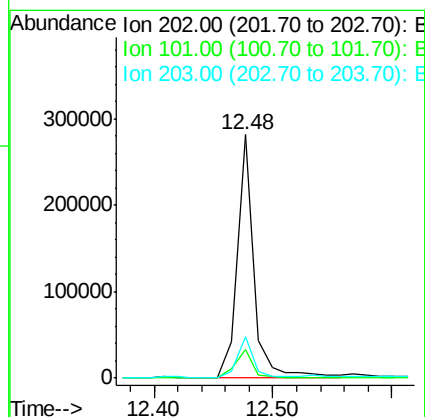
RT: 12.48 min Scan# 909

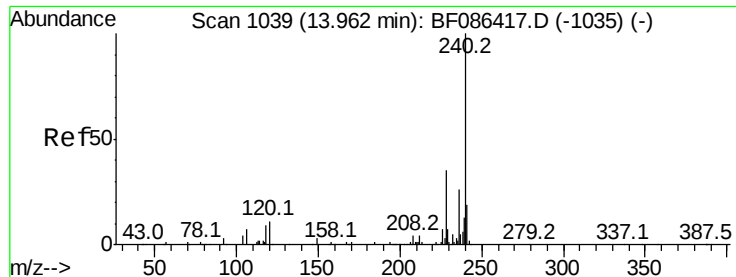
Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion:	202	Resp:	272626
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	35.4
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

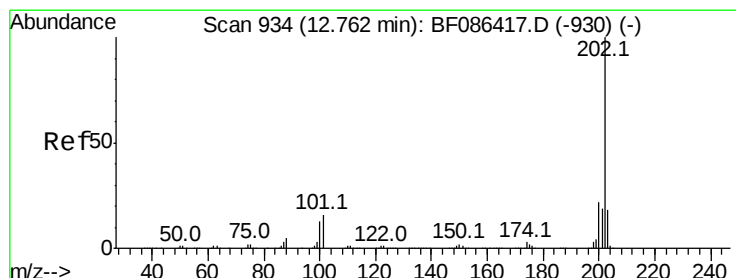
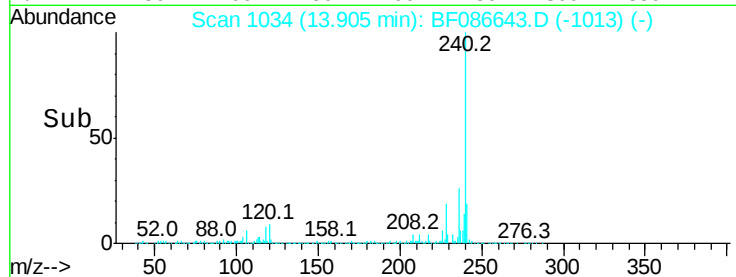
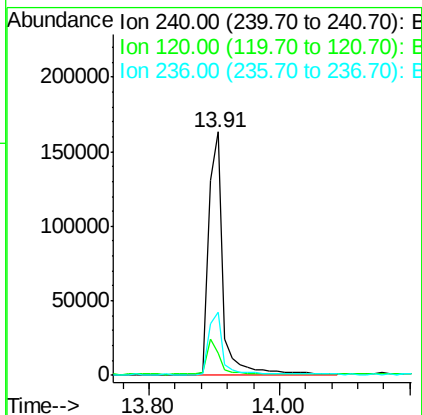
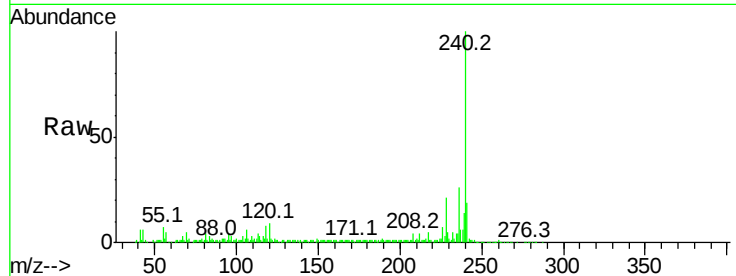
ClientSampleId :

B1(2-4)

Tot Ion:	240	Resp:	249080
Ion Ratio	Lower	Upper	
240	100		
120	9.0	11.2	16.8#
236	26.1	21.2	31.8

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#77

Pyrene

Concen: 14.21 ng

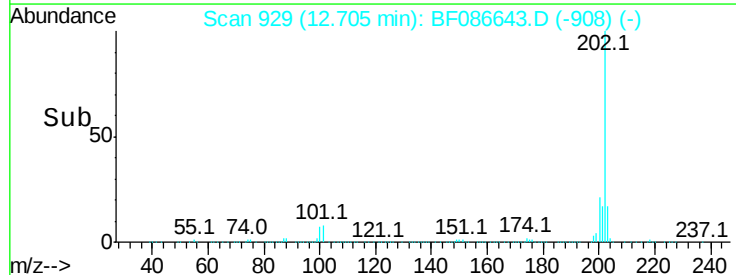
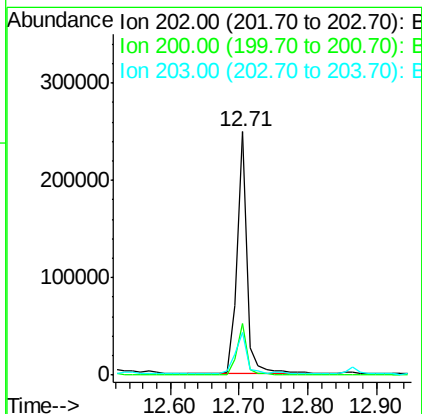
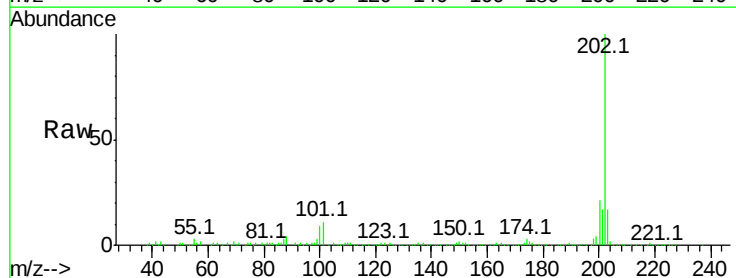
RT: 12.71 min Scan# 929

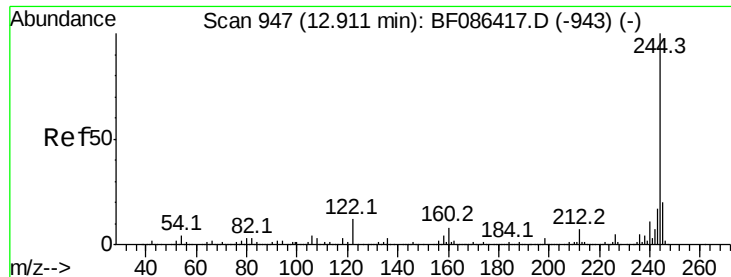
Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion:	202	Resp:	254968
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.5	14.2	21.4





#78

Terphenyl-d14

Concen: 22.04 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

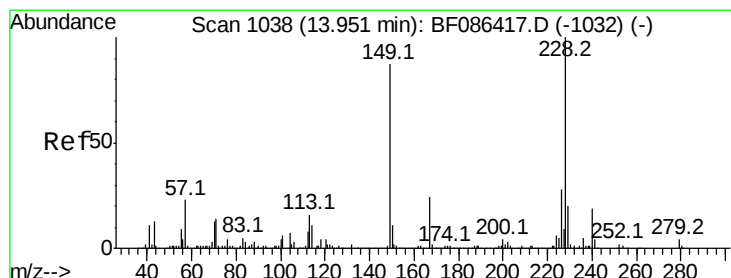
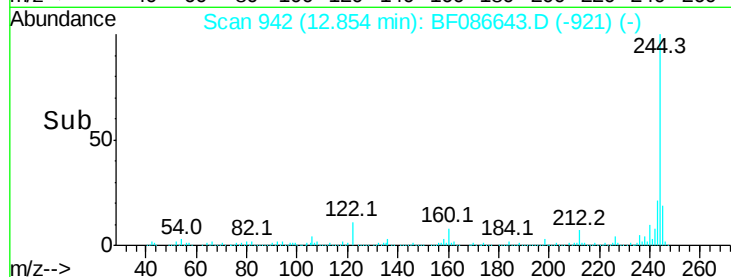
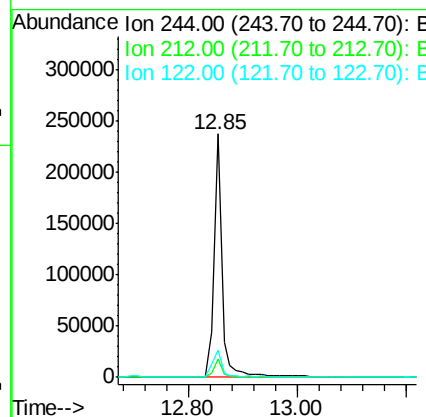
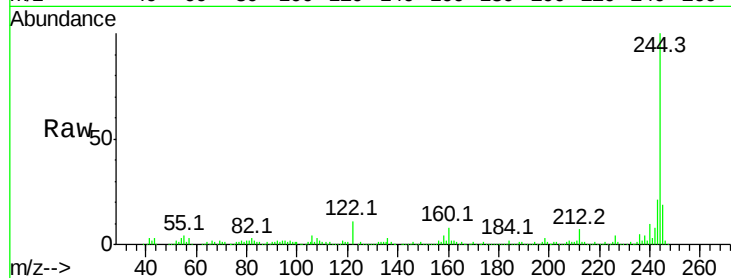
ClientSampleId :

B1(2-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	11.2	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 8.69 ng m

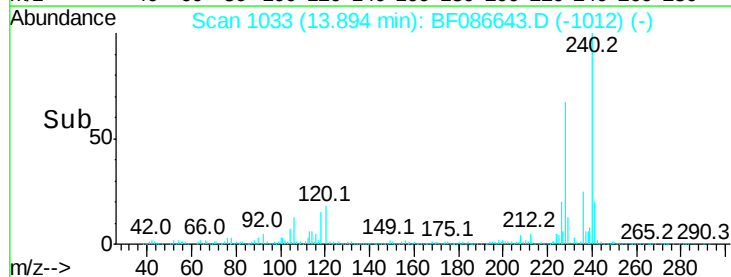
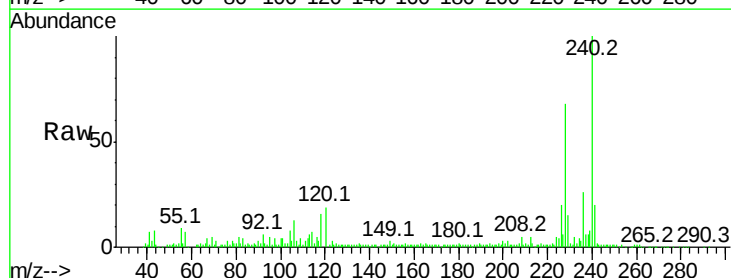
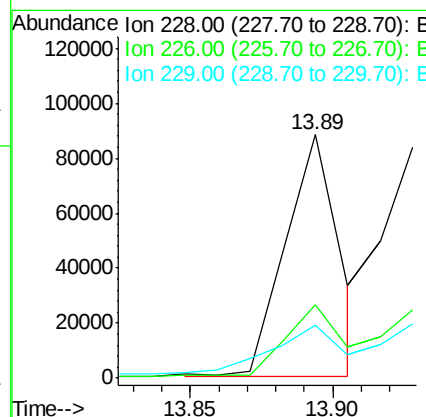
RT: 13.89 min Scan# 1033

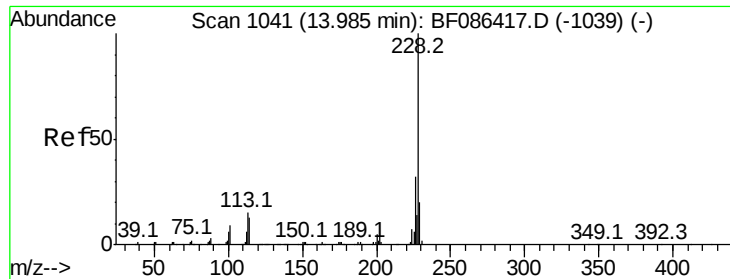
Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.5	33.7
229	21.7	16.6	25.0





#82

Chrysene

Concen: 8.41 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

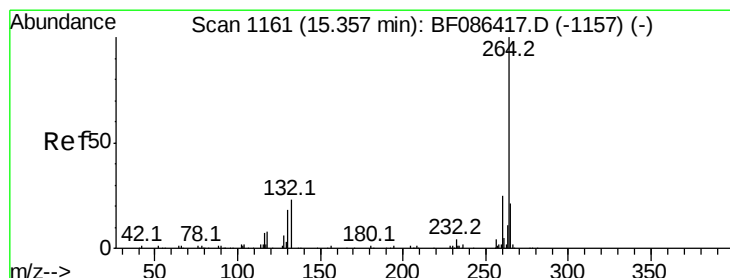
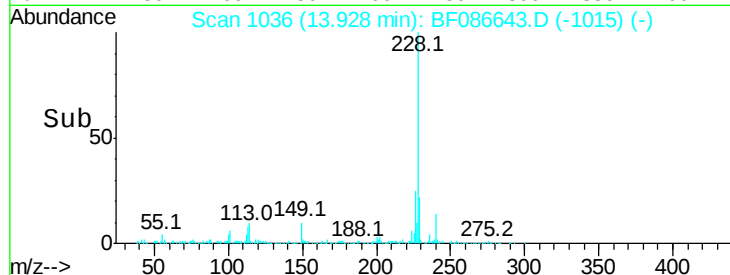
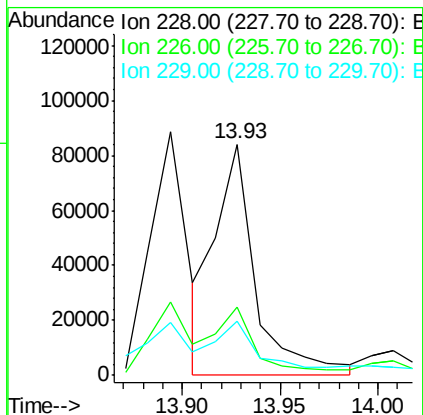
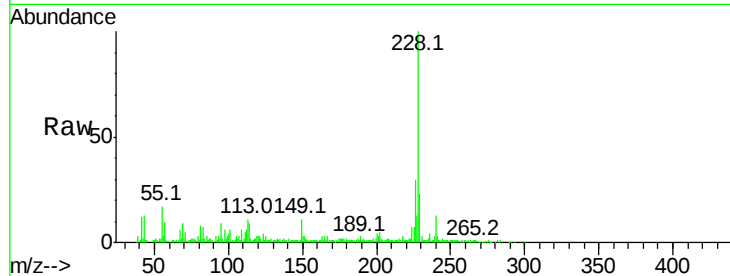
ClientSampleId :

B1(2-4)

Tot Ion:	228	Resp:	121341
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	23.4	15.8	23.8

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#86

Perylene-d12

Concen: 20.00 ng

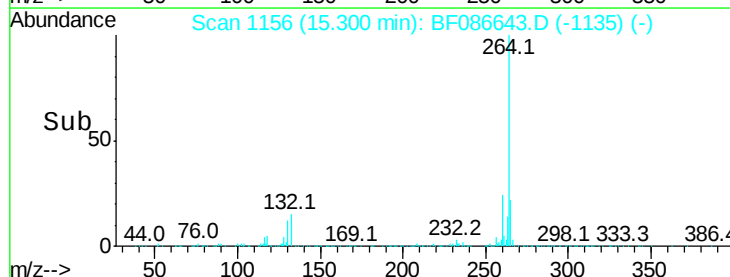
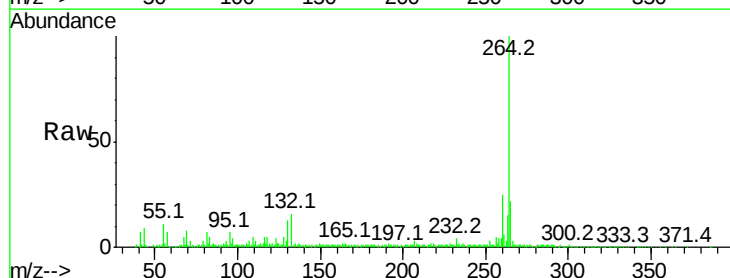
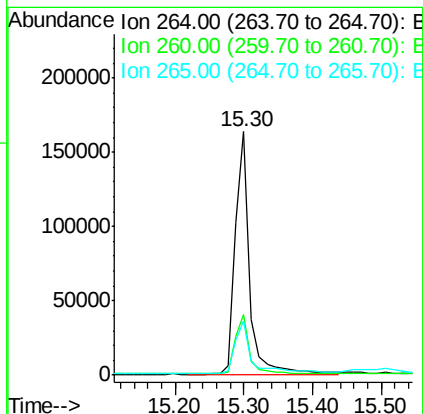
RT: 15.30 min Scan# 1156

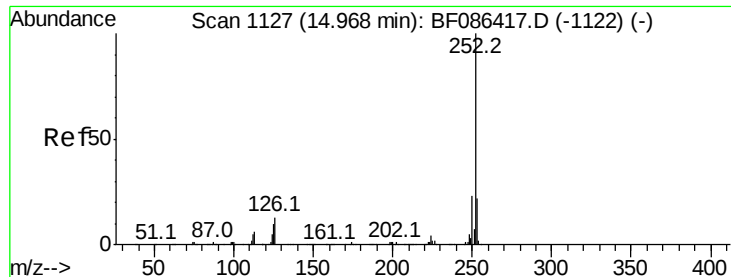
Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion:	264	Resp:	237544
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	22.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 10.52 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

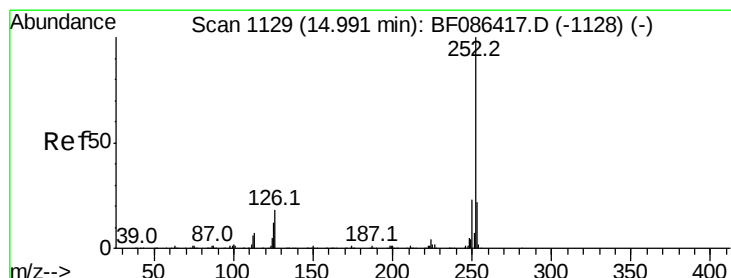
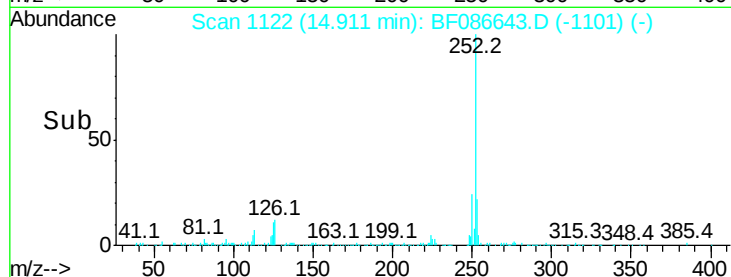
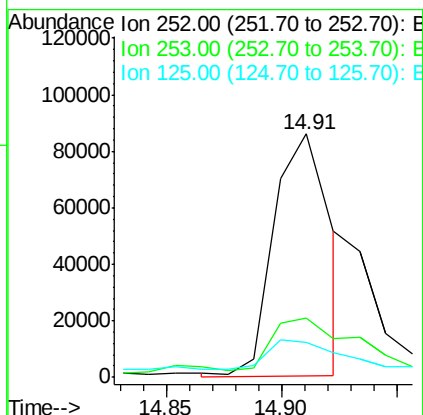
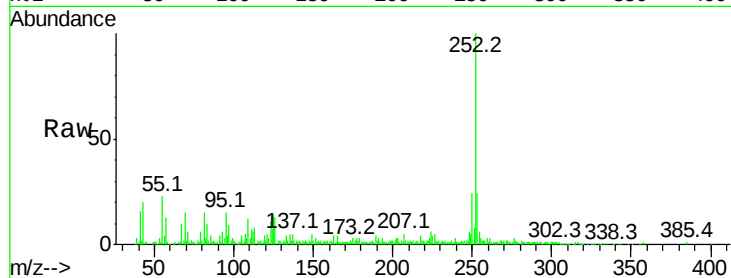
ClientSampleId :

B1(2-4)

Tot Ion:	252	Resp:	147056
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.6
125	14.4	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 3.62 ng m

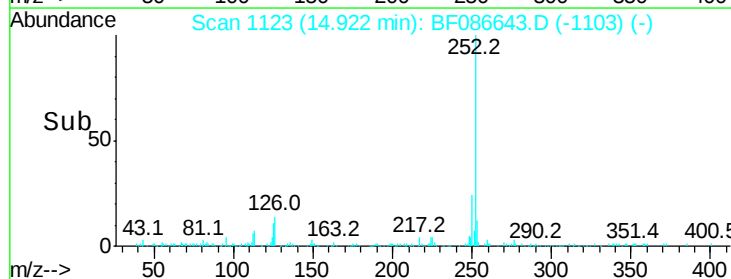
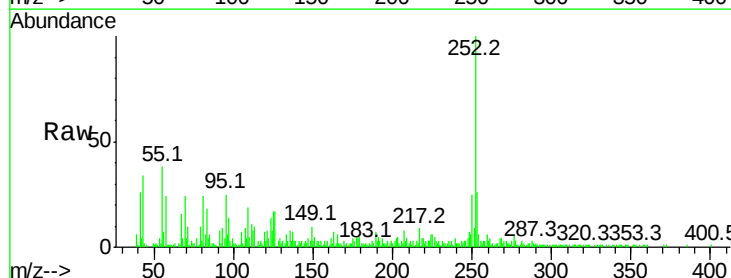
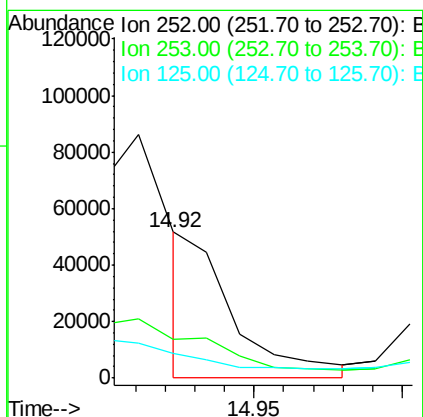
RT: 14.92 min Scan# 1123

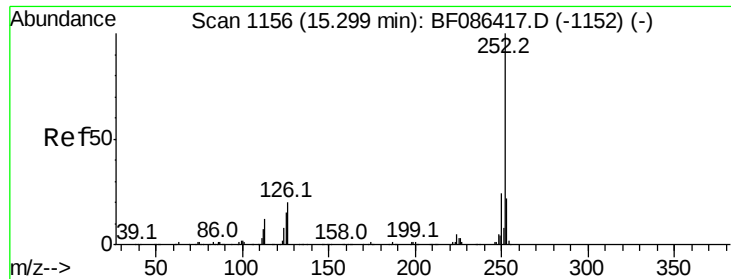
Delta R.T. -0.07 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion:	252	Resp:	52715
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.8	26.6
125	17.0	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 8.29 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.06 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Instrument :

BNA_F

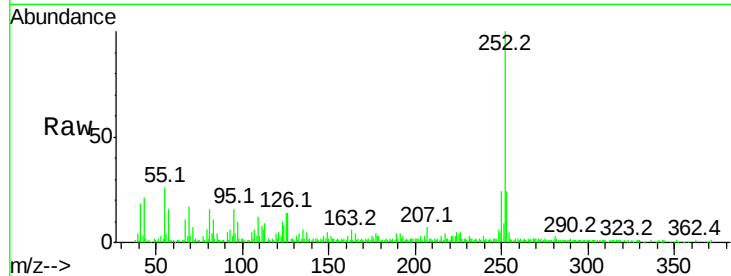
ClientSampleId :

B1(2-4)

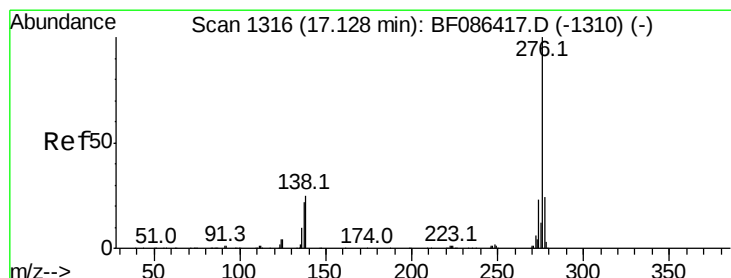
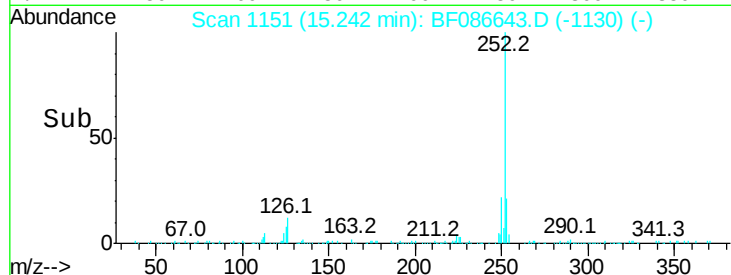
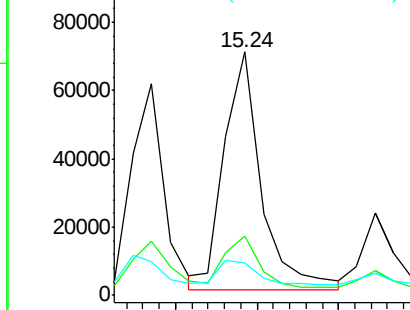
Tot Ion:	252	Resp:	109420
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.2	25.8
125	13.6	9.0	13.6

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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



#91

Benzo(g,h,i)perylene

Concen: 5.79 ng

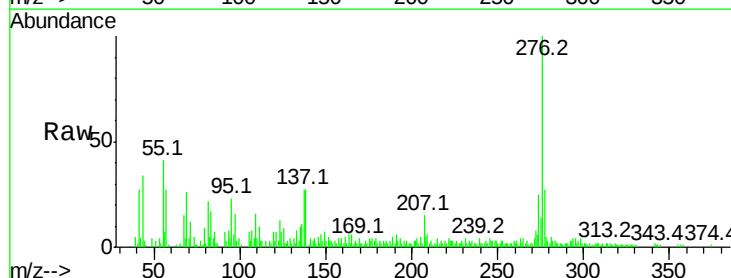
RT: 17.03 min Scan# 1307

Delta R.T. -0.10 min

Lab File: BF086643.D

Acq: 3 May 2016 14:25

Tgt Ion:	276	Resp:	62698
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.6	29.4
138	26.6	23.6	35.4



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

