

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\
 Data File : BF088209.D
 Acq On : 21 Jun 2016 9:57
 Operator : UM/SJ
 Sample : H3474-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7-B4(6-12)C

Manual Integrations
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Quant Time: Jun 21 13:01:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	102943	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	397889	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	170089	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	262119	20.00	ng	0.00
75) Chrysene-d12	13.81	240	201712	20.00	ng	0.00
86) Perylene-d12	15.19	264	229160	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	693990	115.25	ng	0.01
7) Phenol-d6	6.33	99	859581	117.79	ng	0.00
23) Nitrobenzene-d5	7.23	82	478568	70.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	151246	84.21	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	705024	63.73	ng	-0.01
78) Terphenyl-d14	12.75	244	474142	53.49	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	171977	13.96	ng	99
70) Phenanthrene	11.20	178	129177	9.39	ng	98
71) Anthracene	11.26	178	59207	4.27	ng	99
74) Fluoranthene	12.39	202	432328	29.78	ng	98
77) Pyrene	12.62	202	380764	25.44	ng	98
80) Benzo(a)anthracene	13.79	228	306182	26.64	ng	99
82) Chrysene	13.83	228	212892	19.69	ng	98
85) Indeno(1,2,3-cd)pyrene	16.47	276	140927	14.03	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	361522m	22.63	ng	
88) Benzo(k)fluoranthene	14.82	252	97953m	8.13	ng	
89) Benzo(a)pyrene	15.13	252	252600	19.55	ng	97
90) Dibenzo(a,h)anthracene	16.48	278	47877	3.99	ng	# 86
91) Benzo(a,h,i)perylene	16.86	276	121381	9.83	ng	97

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

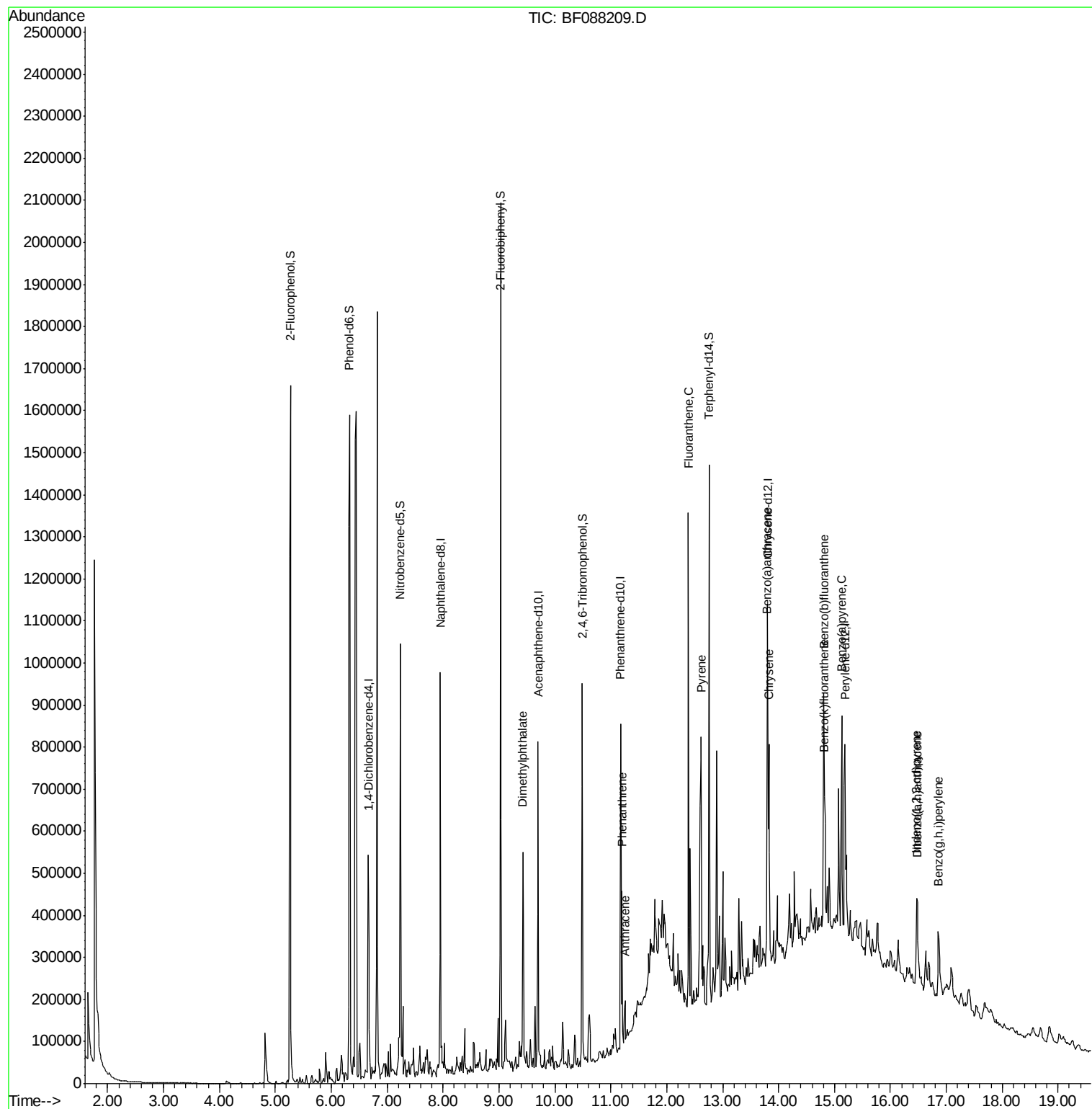
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\
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ALS Vial : 39 Sample Multiplier: 1

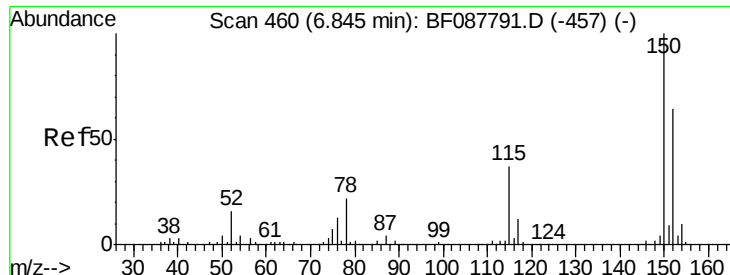
Instrument :
BNA_F
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S7-B4(6-12)C

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Quant Time: Jun 21 13:01:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 17:39:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

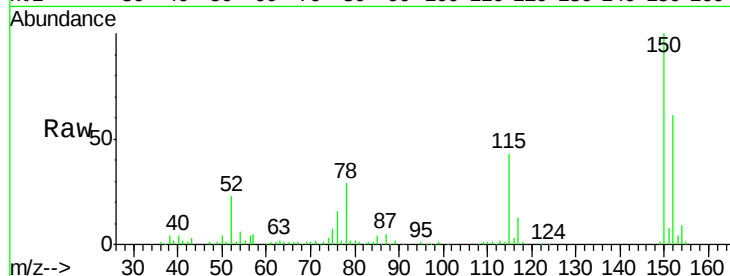
ClientSampleId :

S7-B4(6-12)C

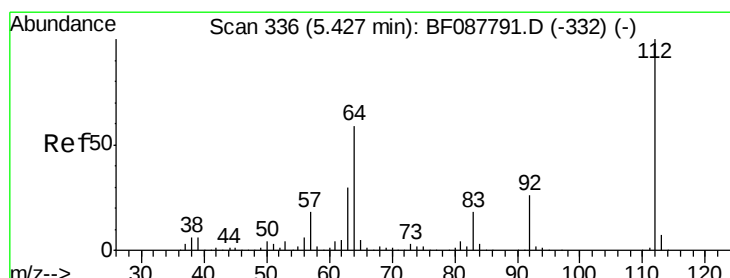
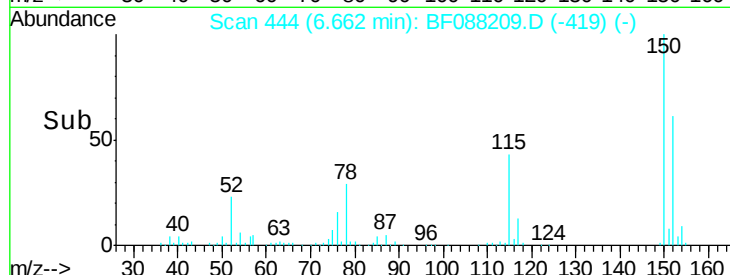
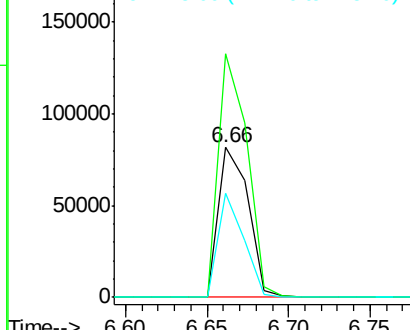
Tot Ion:	152	Resp:	102943
Ion Ratio	Lower	Upper	
152	100		
150	162.8	123.8	185.6
115	69.4	39.6	59.4#

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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: 115.25 ng

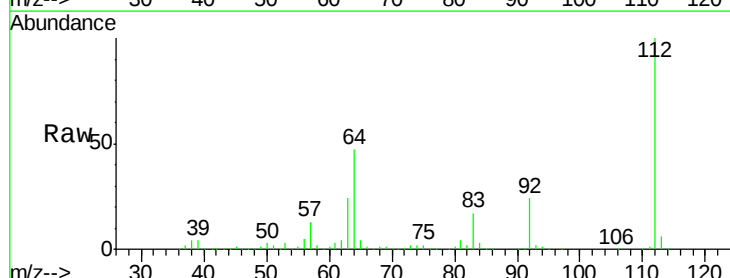
RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

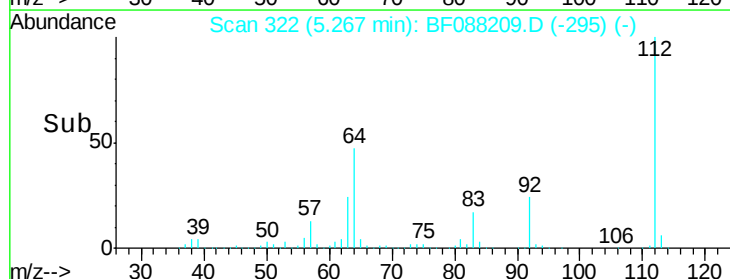
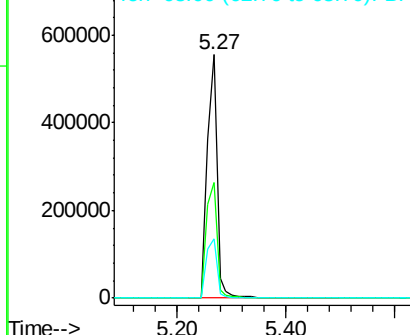
Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Tgt Ion:	112	Resp:	693990
Ion Ratio	Lower	Upper	
112	100		
64	47.5	42.2	63.2
63	24.3	21.8	32.8



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: 117.79 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

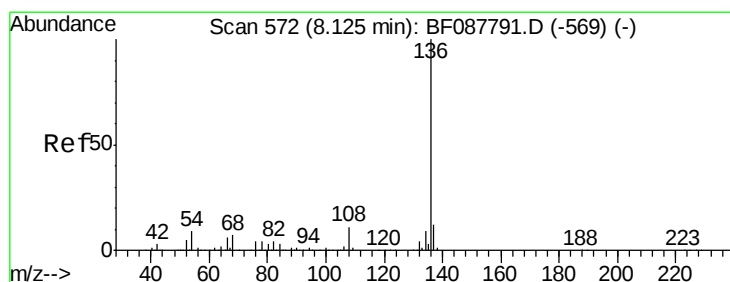
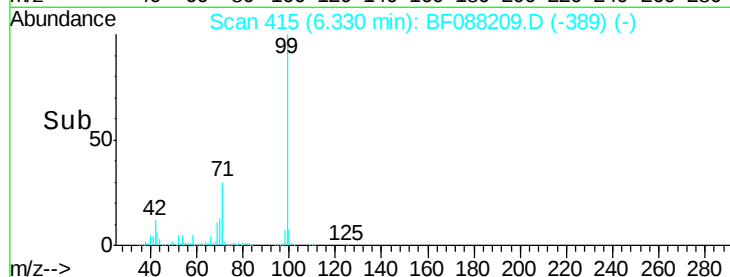
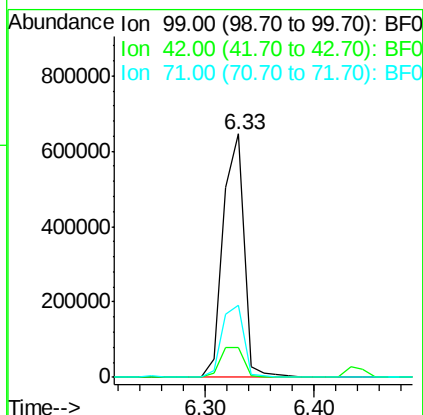
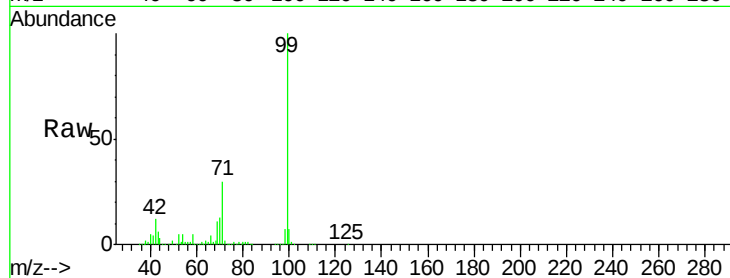
ClientSampleId :

S7-B4(6-12)C

Tot Ion:	99	Resp:	859581
Ion Ratio	Lower	Upper	
99	100		
42	12.2	12.2	18.2
71	29.7	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

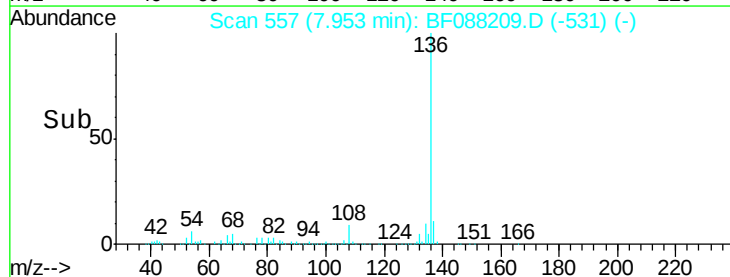
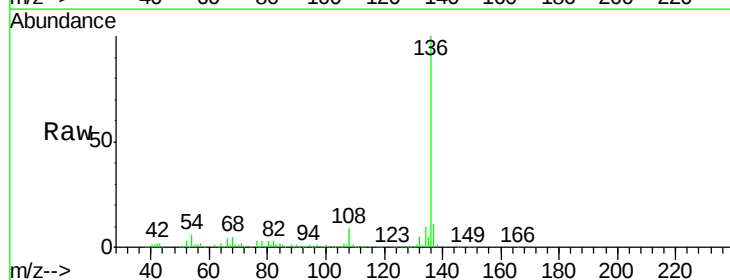
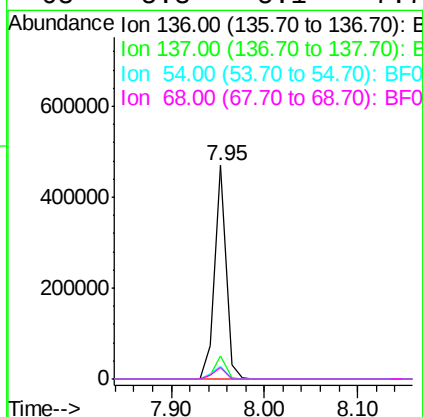
RT: 7.95 min Scan# 557

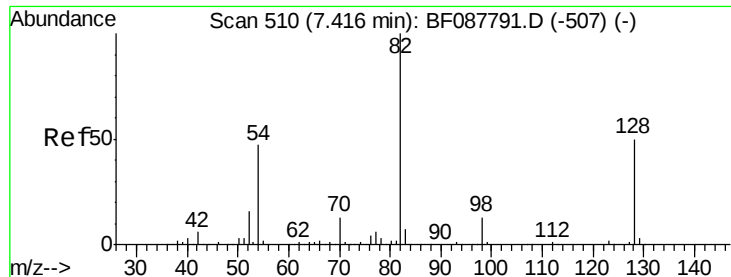
Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Tgt Ion:	136	Resp:	397889
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	5.8	6.6	10.0#
68	5.3	5.1	7.7





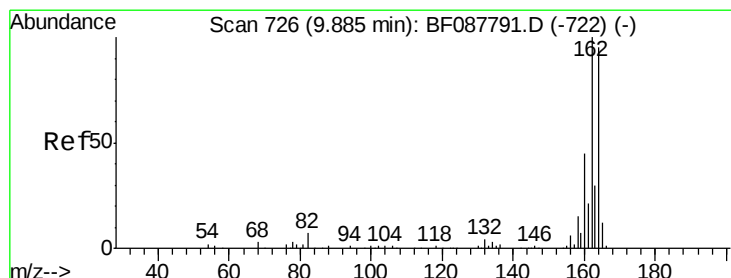
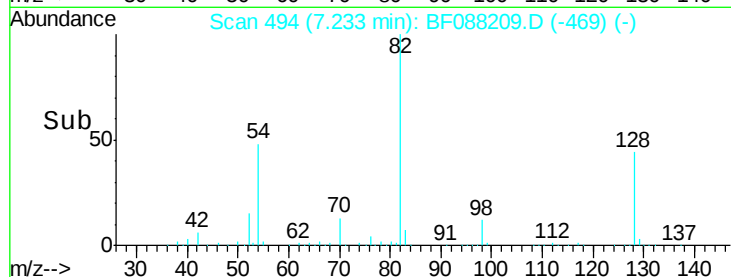
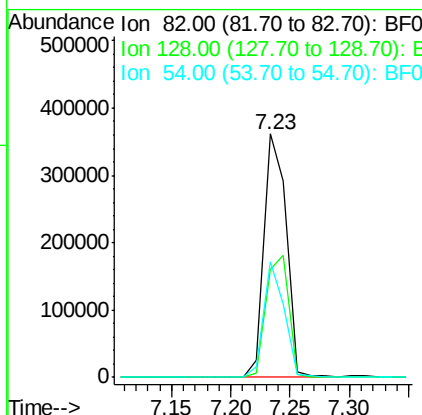
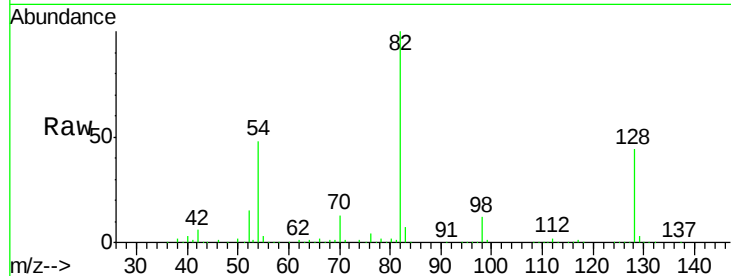
#23
Nitrobenzene-d5
Concen: 70.23 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.01 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	35.9	53.9	
54	47.6	40.9	61.3	

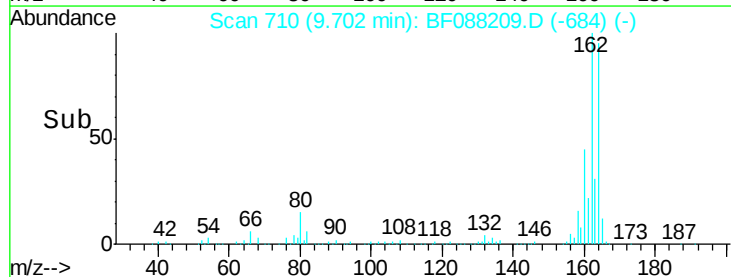
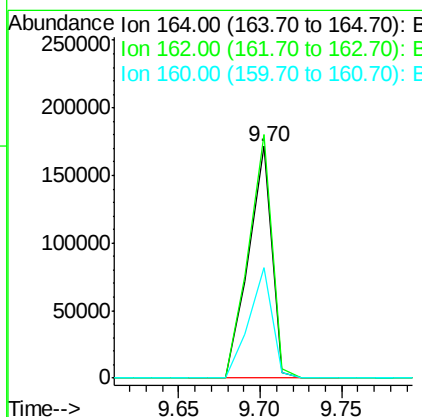
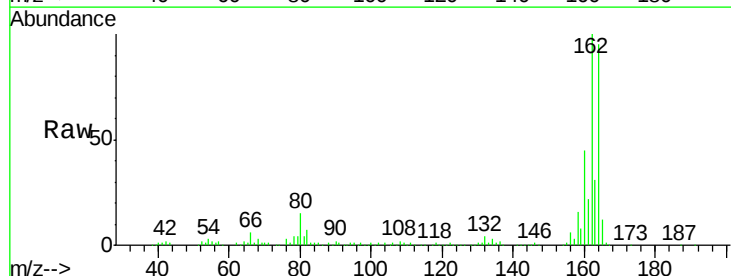
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.1	85.4	128.2	
160	47.7	39.5	59.3	





#41

2,4,6-Tribromophenol

Concen: 84.21 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

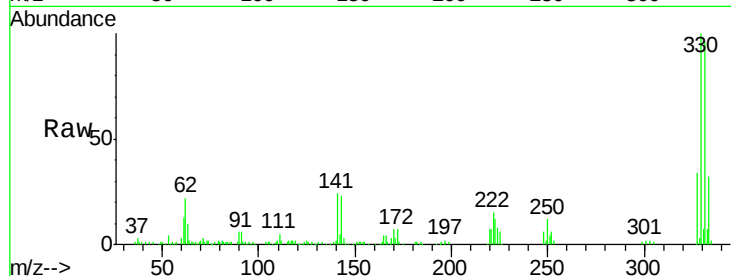
ClientSampleId :

S7-B4(6-12)C

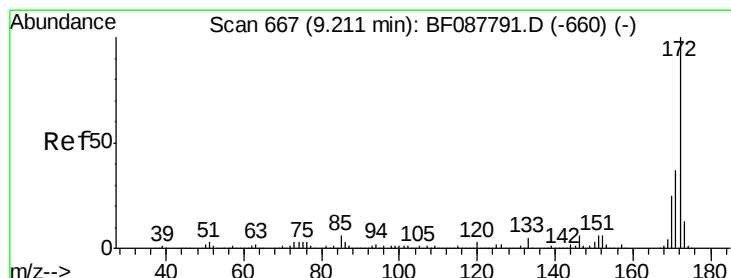
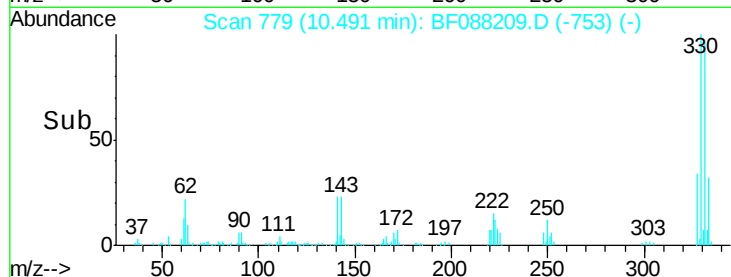
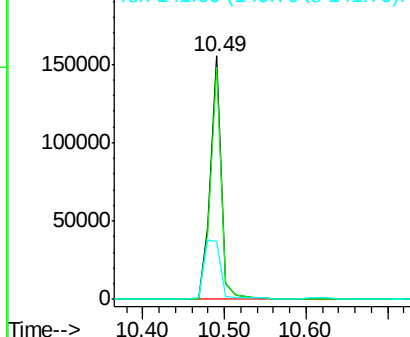
Tot Ion:	330	Resp:	151246
Ion Ratio	Lower	Upper	
330	100		
332	94.6	0.0	0.0#
141	36.9	0.0	0.0#

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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: 63.73 ng

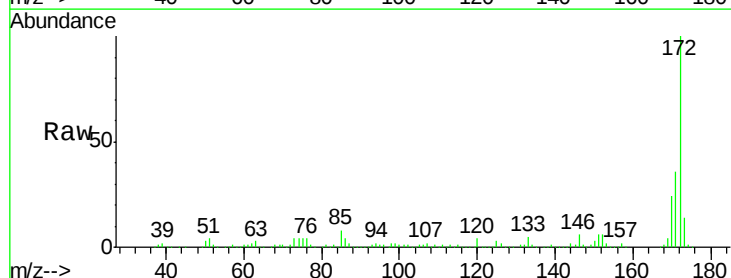
RT: 9.03 min Scan# 651

Delta R.T. -0.01 min

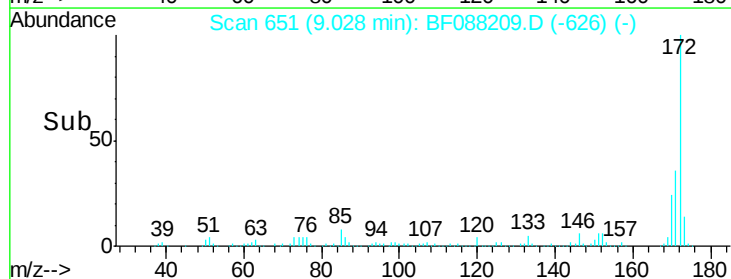
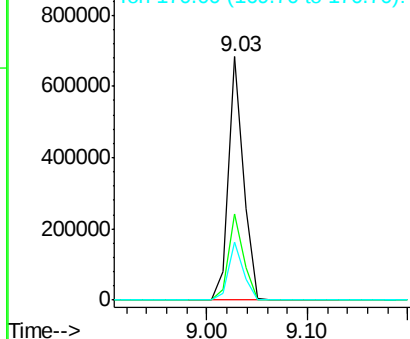
Lab File: BF088209.D

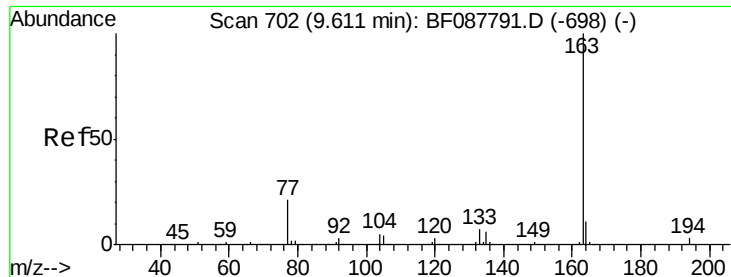
Acq: 21 Jun 2016 9:57

Tgt Ion:	172	Resp:	705024
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.6	43.0
170	24.0	19.2	28.8



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





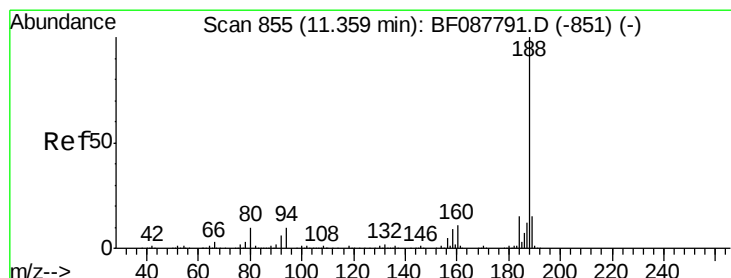
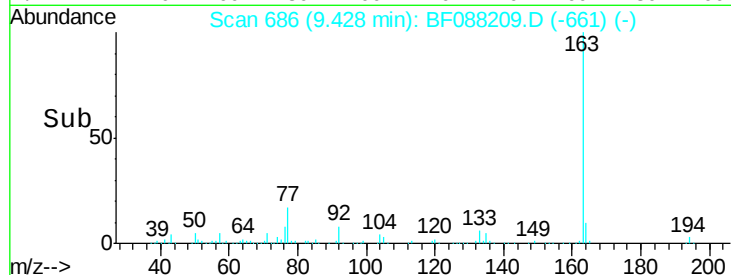
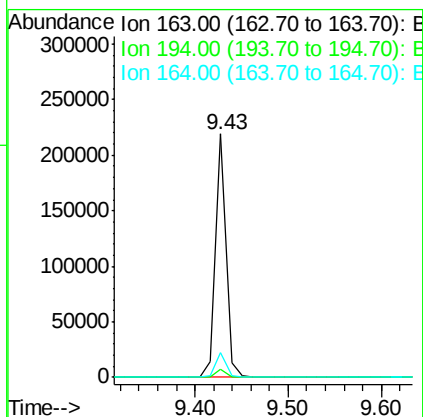
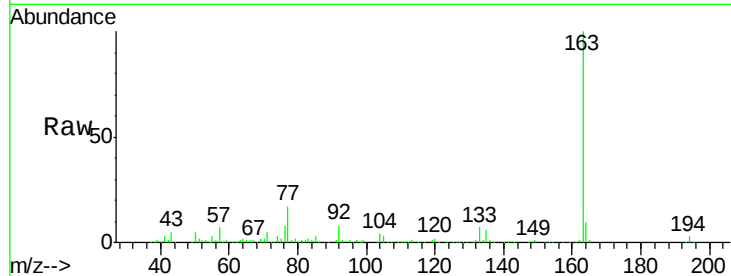
#49
Dimethylphthalate
Concen: 13.96 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	171977		
194	3.1	2.8	4.2	
164	10.0	8.3	12.5	

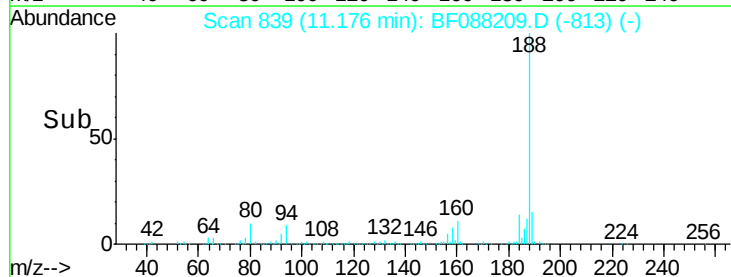
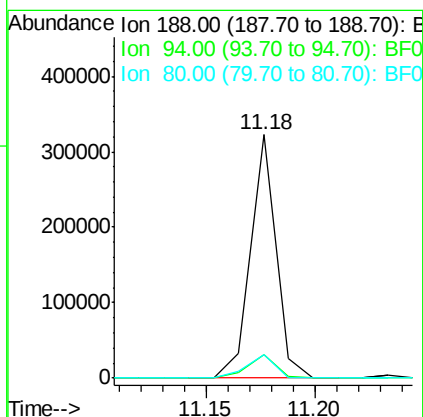
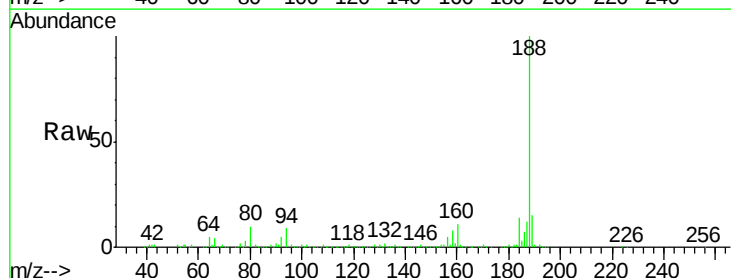
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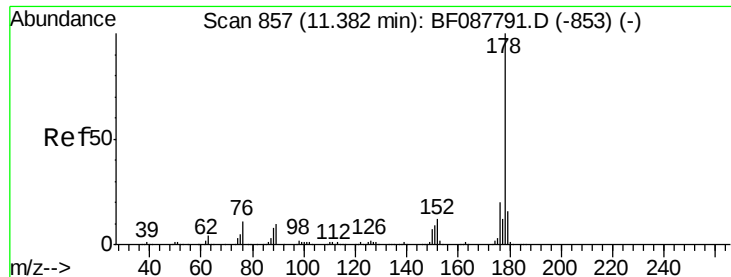
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	262119		
94	9.4	9.0	13.6	
80	9.5	10.0	15.0	





#70

Phenanthrene

Concen: 9.39 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

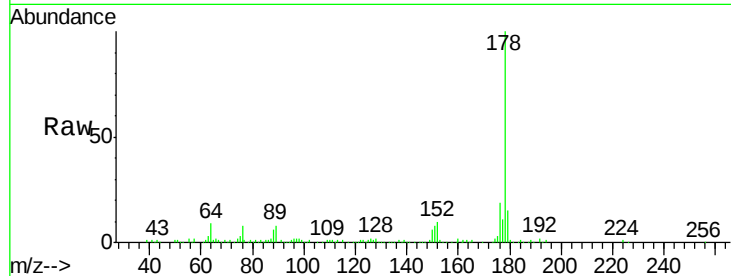
ClientSampleId :

S7-B4(6-12)C

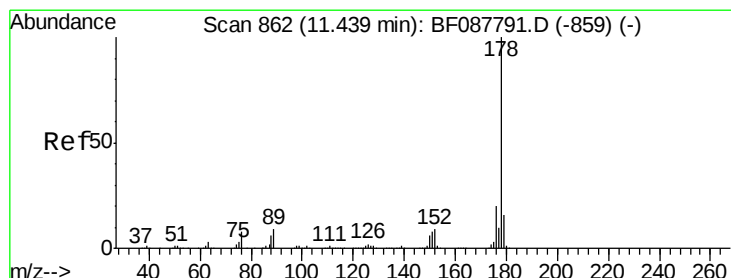
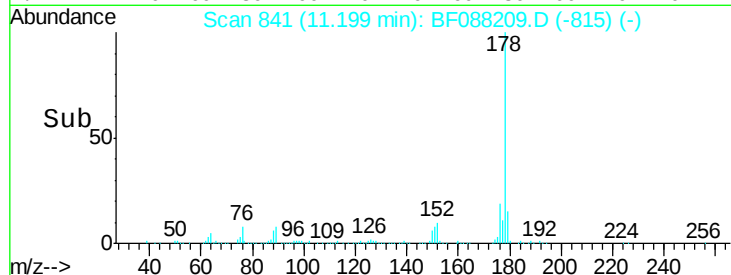
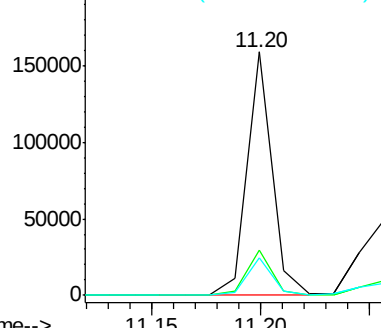
Tot Ion:178	Resp:	129177
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.8 23.6
179	15.2	13.0 19.4

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.27 ng

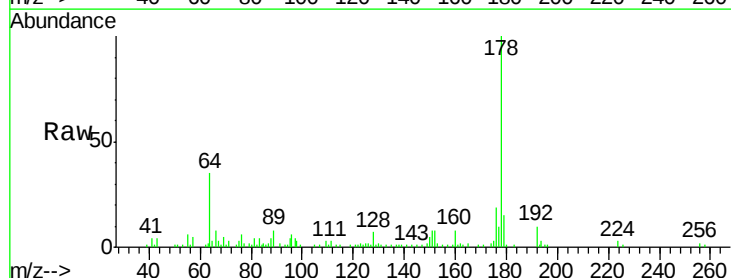
RT: 11.26 min Scan# 846

Delta R.T. -0.00 min

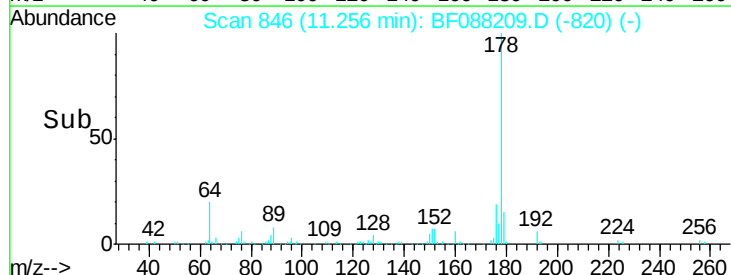
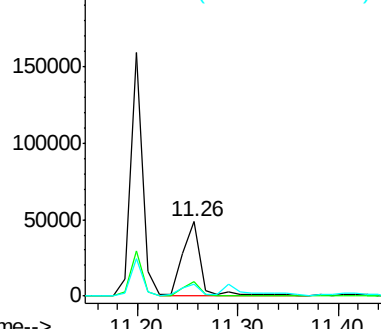
Lab File: BF088209.D

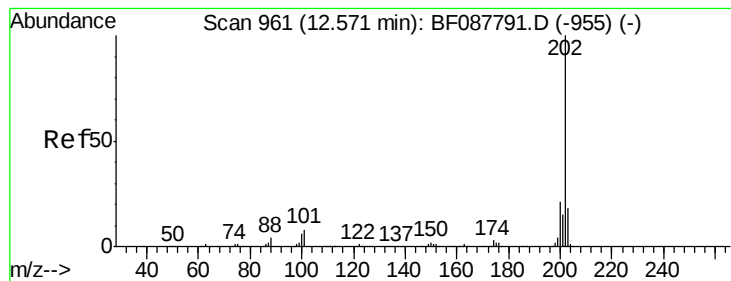
Acq: 21 Jun 2016 9:57

Tgt Ion:178	Resp:	59207
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.6 23.4
179	15.5	12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 29.78 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

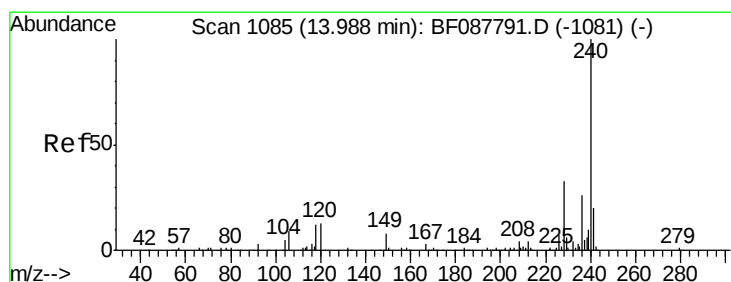
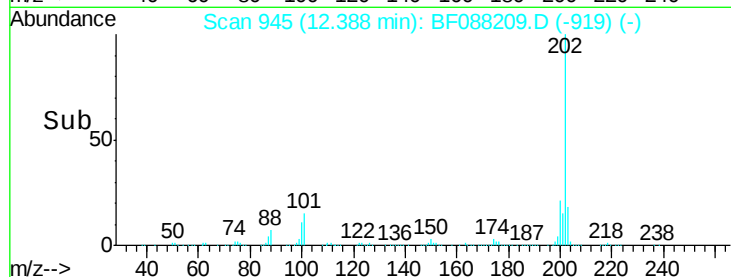
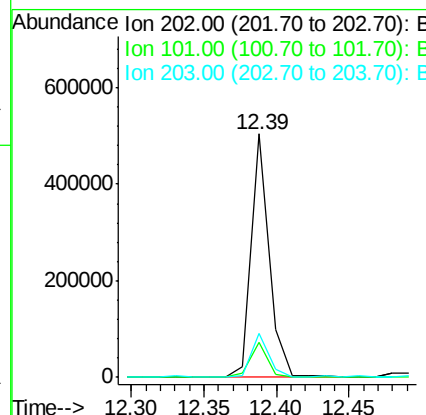
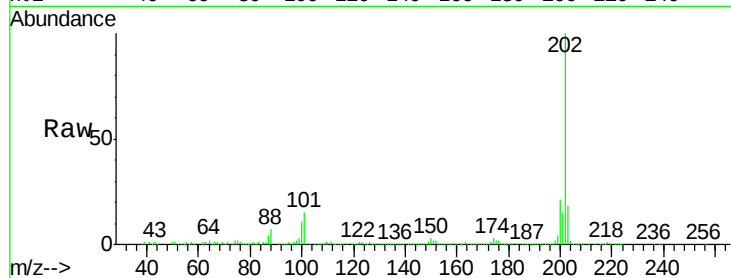
ClientSampleId :

S7-B4(6-12)C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	33.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

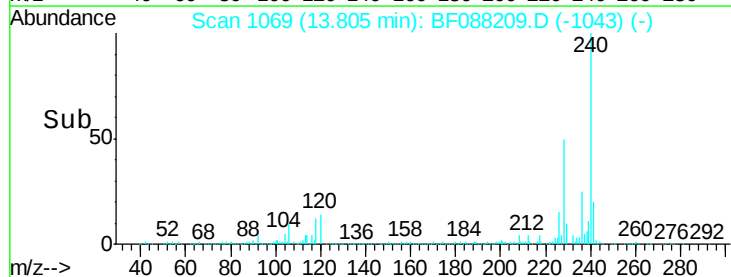
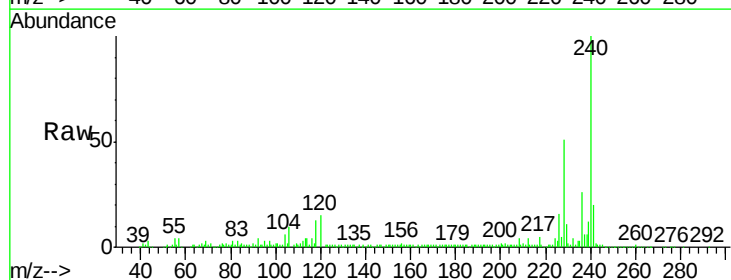
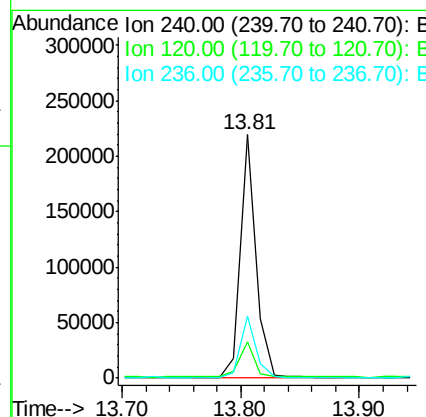
RT: 13.81 min Scan# 1069

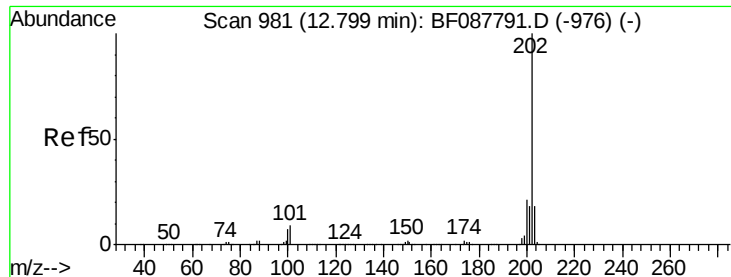
Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	6.8	10.2#
236	25.6	20.2	30.2





#77

Pvrene

Concen: 25.44 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

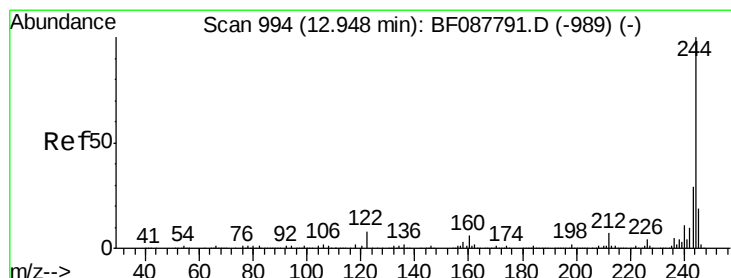
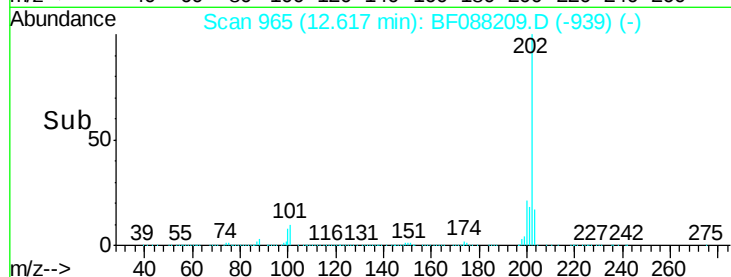
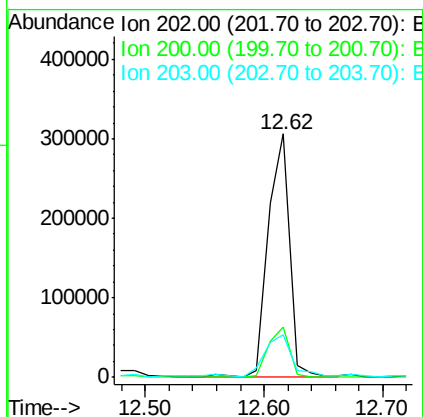
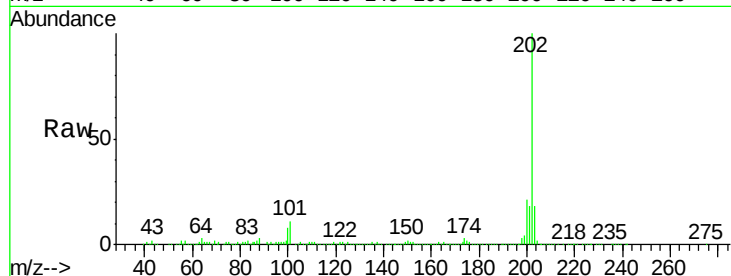
ClientSampleId :

S7-B4(6-12)C

Tot Ion:	202	Resp:	380764
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.7	14.5	21.7

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#78

Terphenyl-d14

Concen: 53.49 ng

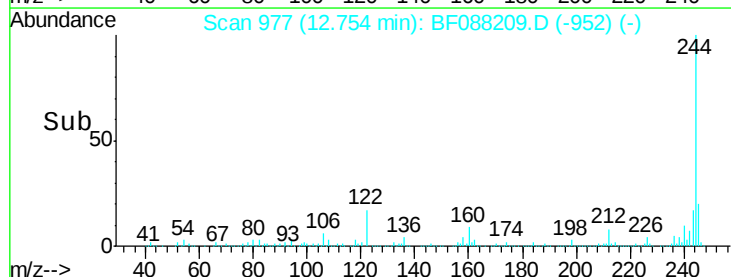
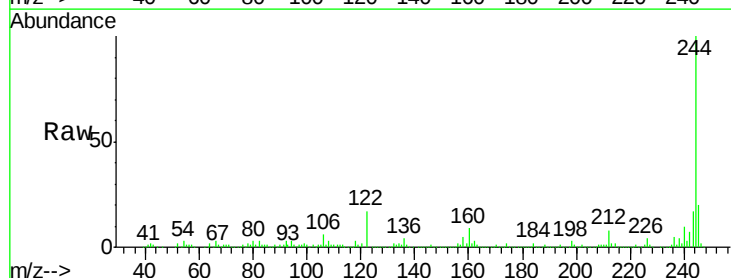
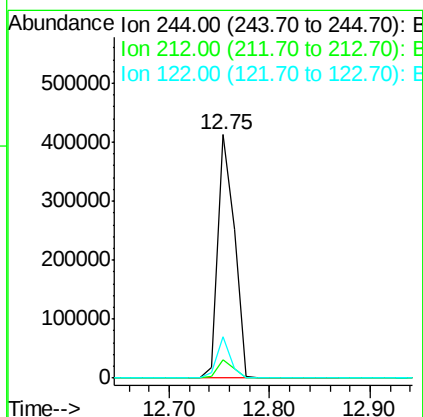
RT: 12.75 min Scan# 977

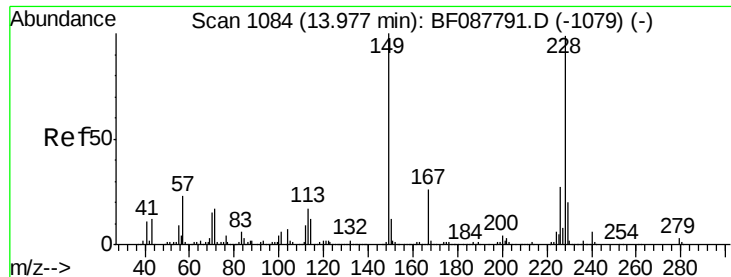
Delta R.T. -0.01 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Tgt Ion:	244	Resp:	474142
Ion Ratio		Lower	Upper
244	100		
212	7.8	6.0	9.0
122	17.0	11.2	16.8





#80

Benzo(a)anthracene

Concen: 26.64 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

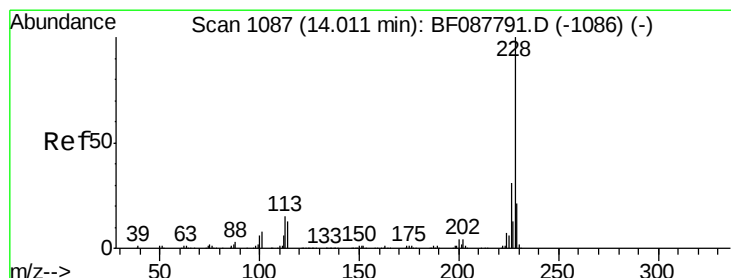
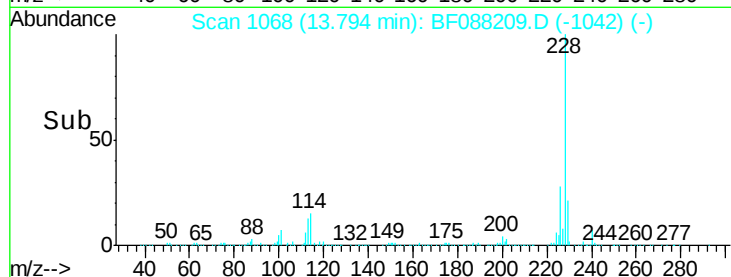
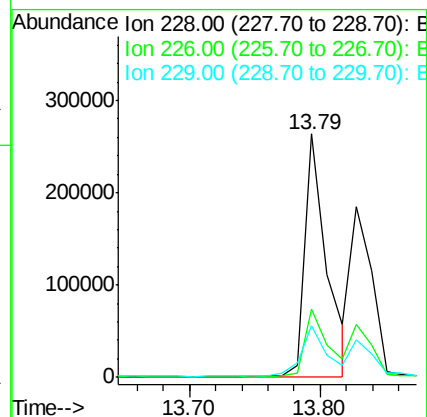
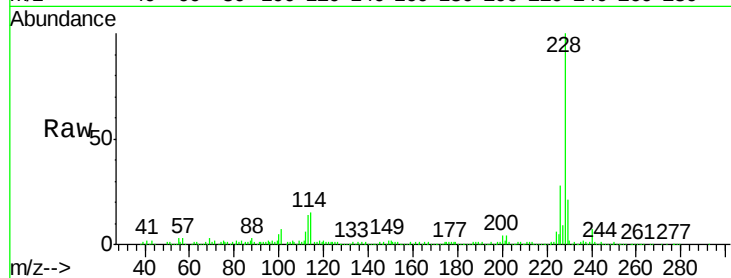
ClientSampleId :

S7-B4(6-12)C

Tot Ion:	228	Resp:	306182
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.3	33.5
229	21.2	16.0	24.0

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#82

Chrysene

Concen: 19.69 ng

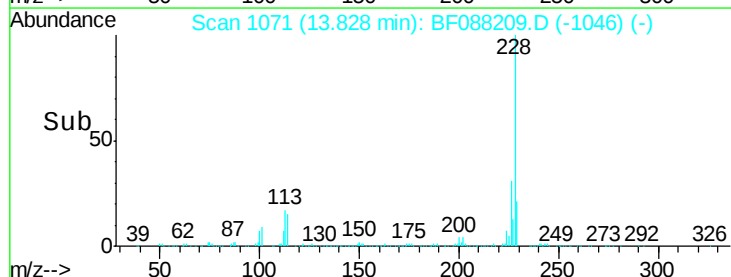
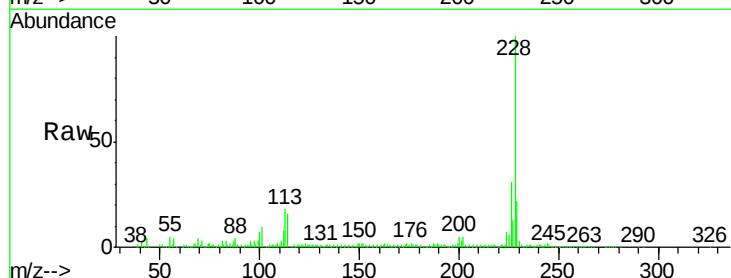
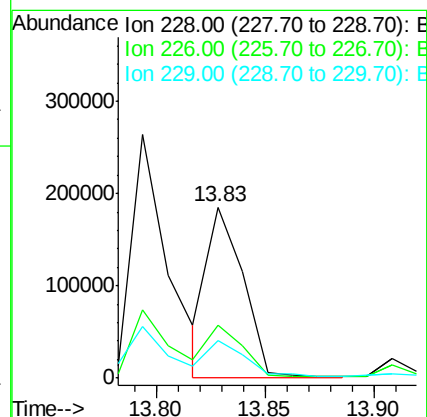
RT: 13.83 min Scan# 1071

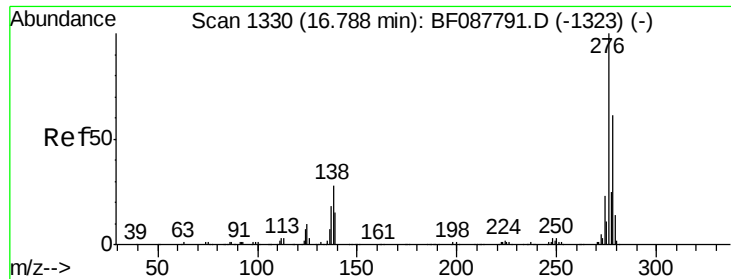
Delta R.T. -0.01 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Tgt Ion:	228	Resp:	212892
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.4	38.2
229	21.7	16.3	24.5





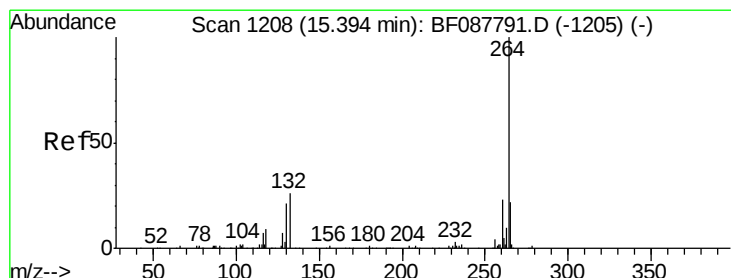
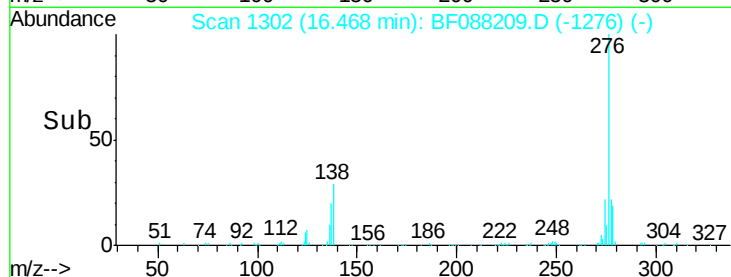
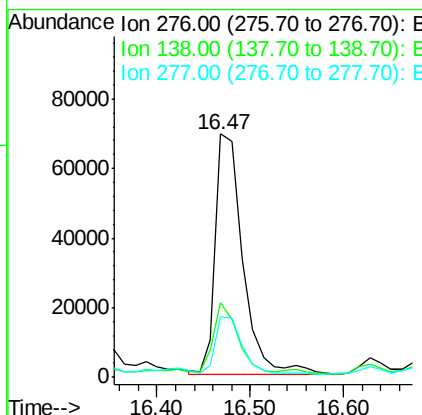
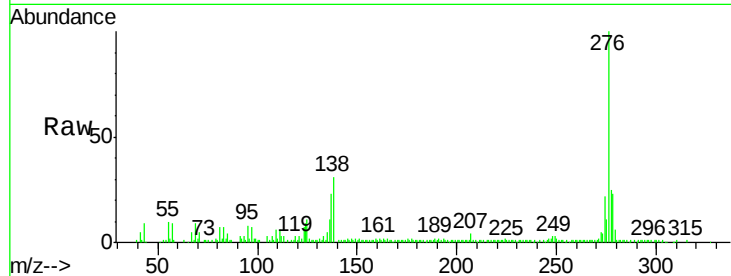
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.03 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Instrument :
BNA_F
ClientSampleId :
S7-B4(6-12)C

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.4	0.0	0.0#
277	23.7	0.0	0.0#

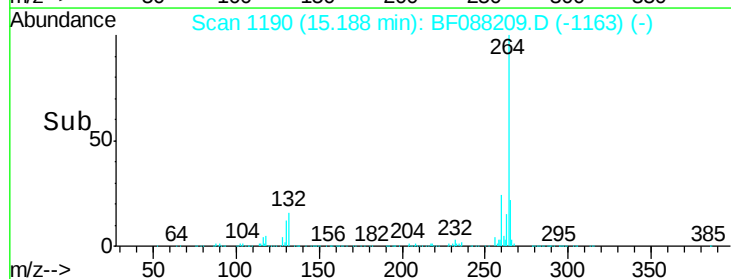
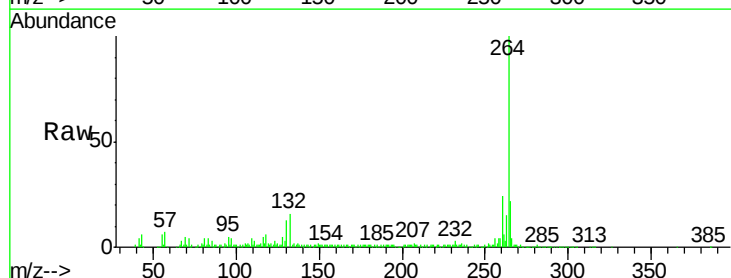
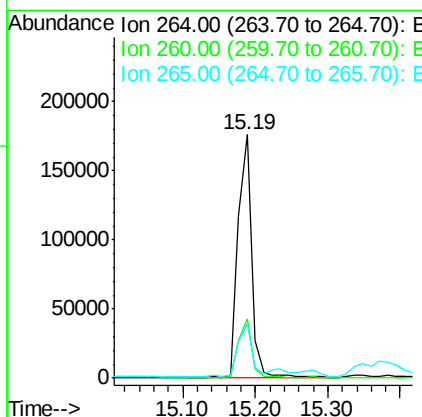
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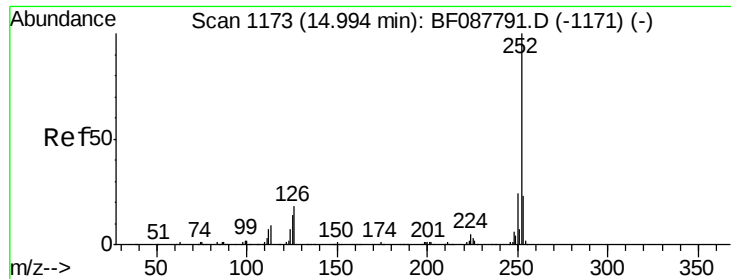
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.3	16.9	25.3





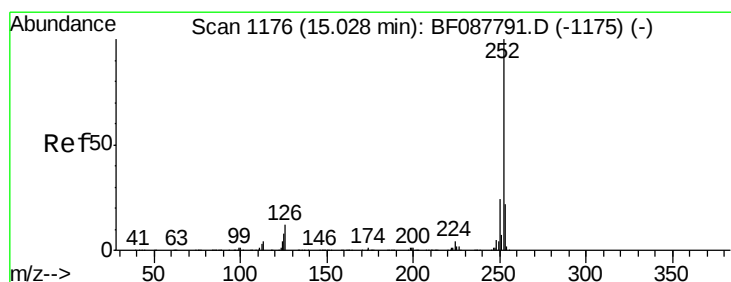
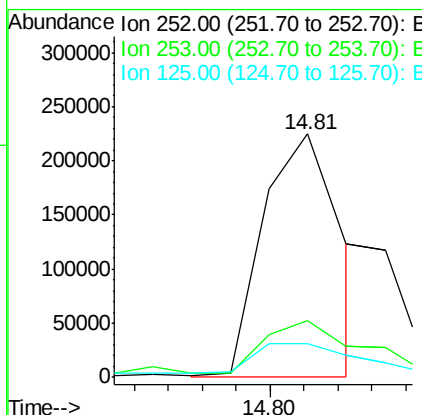
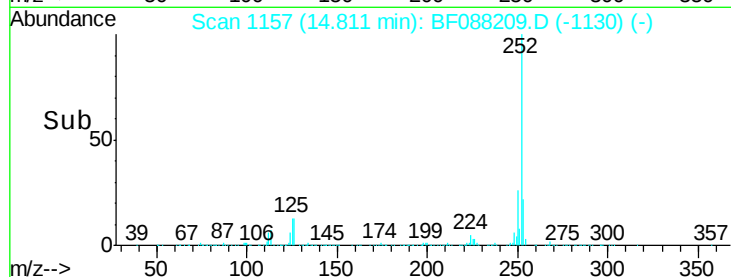
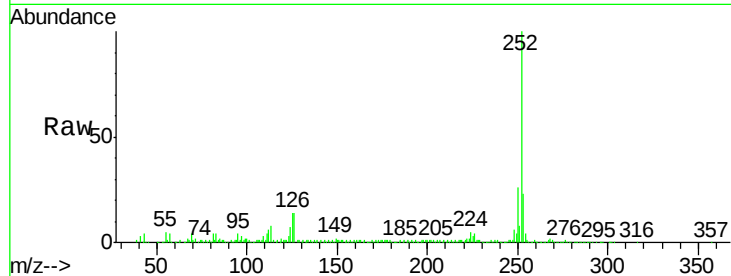
#87
Benzo(b)fluoranthene
Concen: 22.63 ng m
RT: 14.81 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Instrument :
BNA_F
ClientSampleId :
S7-B4(6-12)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	14.1	7.1	10.7

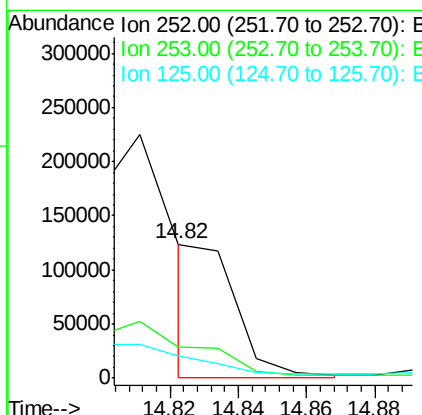
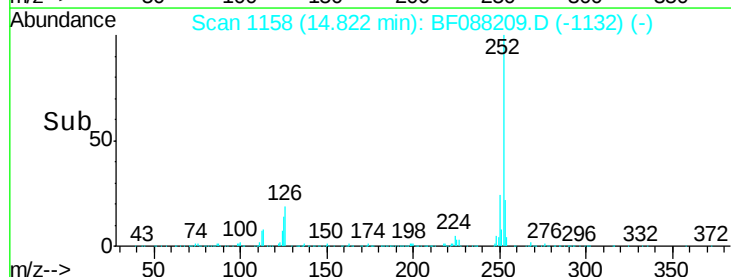
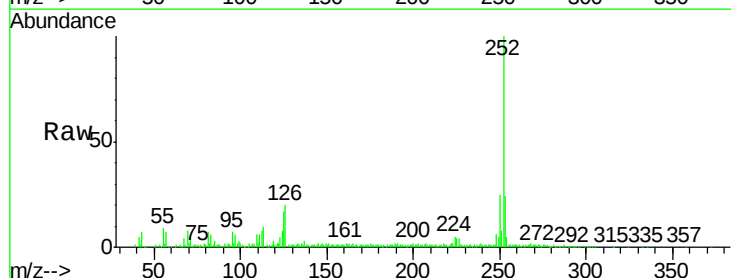
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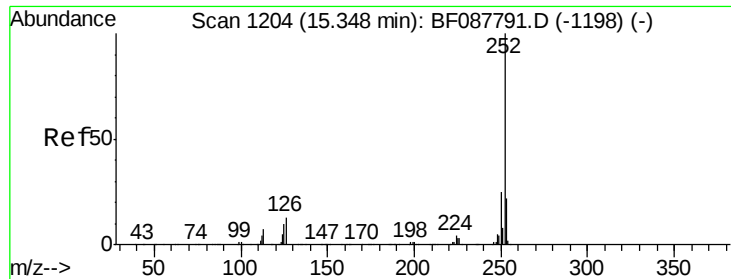
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#88
Benzo(k)fluoranthene
Concen: 8.13 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	16.7	11.2	16.8





#89

Benzo(a)pyrene

Concen: 19.55 ng

RT: 15.13 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Instrument :

BNA_F

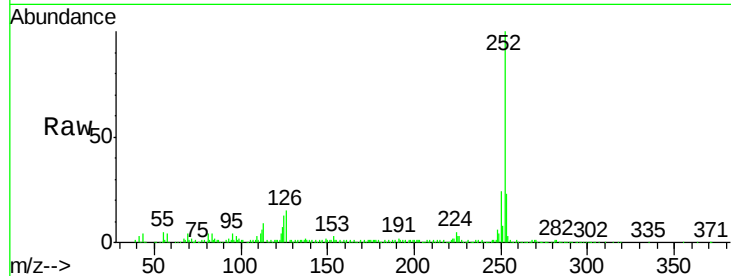
ClientSampleId :

S7-B4(6-12)C

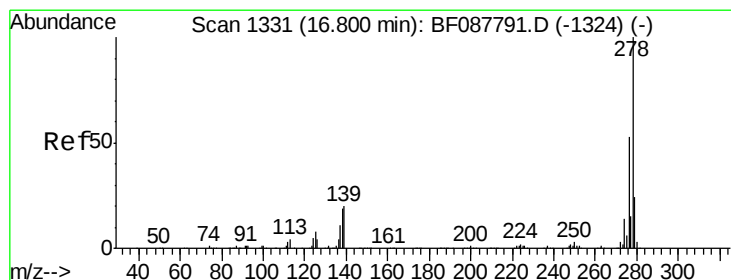
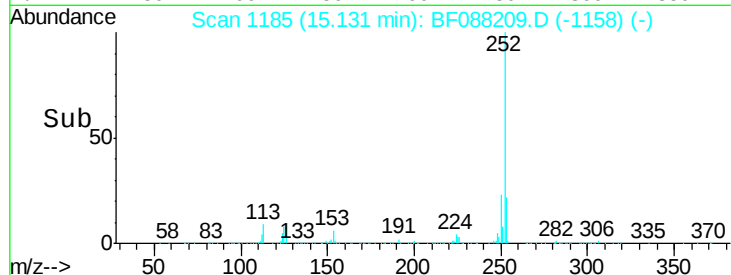
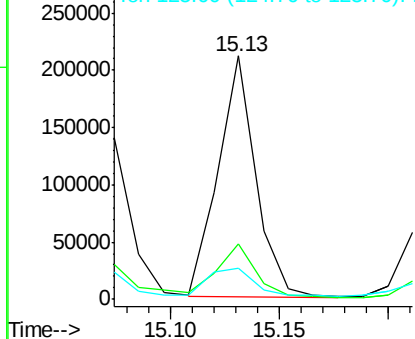
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.9	12.5	18.7

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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



#90

Dibenzo(a,h)anthracene

Concen: 3.99 ng

RT: 16.48 min Scan# 1303

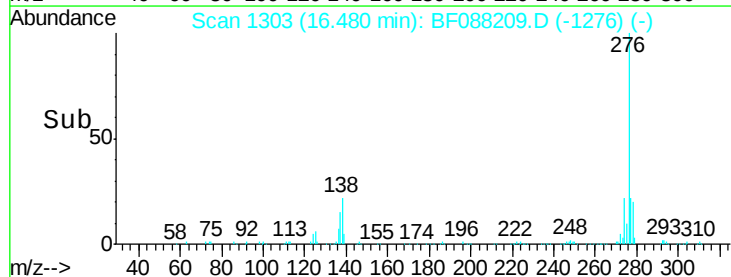
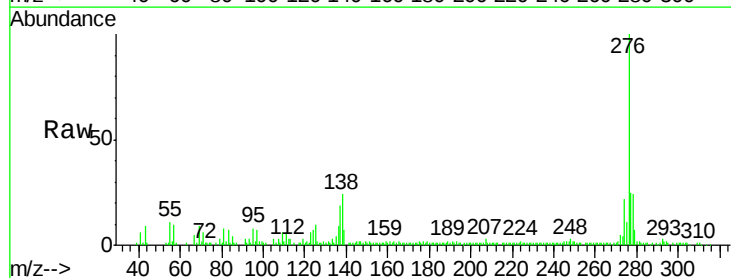
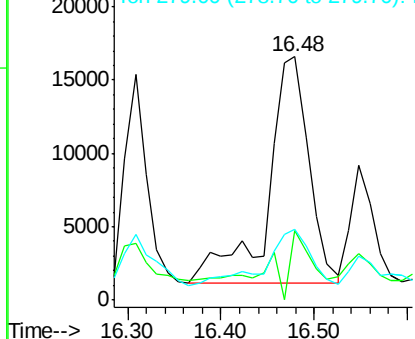
Delta R.T. 0.01 min

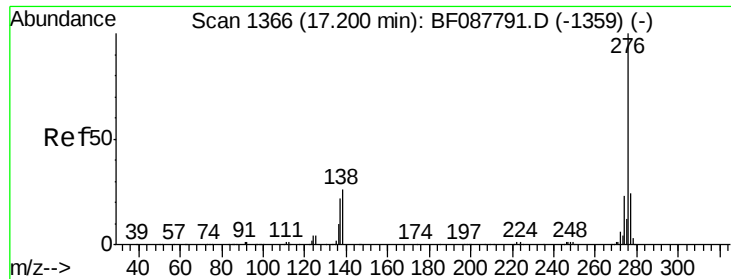
Lab File: BF088209.D

Acq: 21 Jun 2016 9:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	15.7	23.5#
279	28.8	19.4	29.2

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





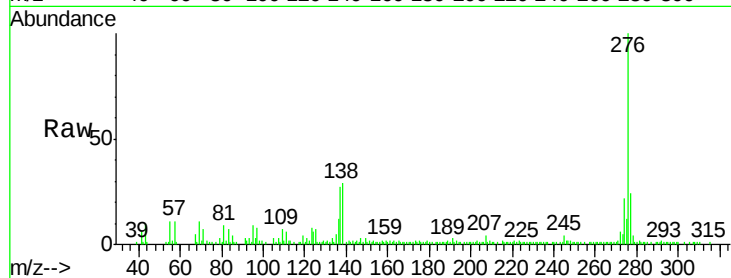
#91
Benzo(a,h,i)perylene
Concen: 9.83 ng
RT: 16.86 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF088209.D
Acq: 21 Jun 2016 9:57

Instrument :
BNA_F
ClientSampleId :
S7-B4(6-12)C

Tot Ion:	276	Resp:	121381
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.9	28.3
138	29.1	21.4	32.2

Manual Integrations
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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

