

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075565.D
 Acq On : 16 Nov 2014 2:36
 Operator : TP / JJ
 Sample : F4713-01
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(4-5)

Manual Integrations
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Quant Time: Nov 17 03:14:14 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 01:17:49 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	60947	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	255485	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	135714	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	233943	20.00	ng	0.01
75) Chrysene-d12	16.47	240	225796	20.00	ng	0.00
86) Perylene-d12	18.21	264	221253	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	332684	96.43	ng	0.01
7) Phenol-d6	7.11	99	415380	100.12	ng	0.01
23) Nitrobenzene-d5	8.24	82	227347	65.24	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	105881	93.15	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	434498	57.85	ng	0.00
78) Terphenyl-d14	15.16	244	394085	46.99	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.16	128	23400	2.05	ng	98
32) Benzoic acid	8.82	122	166970m	77.49	ng	
48) Acenaphthylene	11.15	152	48120	4.08	ng	97
49) Dimethylphthalate	10.98	163	61999	6.68	ng	99
51) Acenaphthene	11.36	154	88271	12.39	ng	98
54) Dibenzofuran	11.57	168	52350	5.14	ng	94
57) Fluorene	12.00	166	125832	15.28	ng	99
70) Phenanthrene	13.20	178	1207905	98.11	ng	99
71) Anthracene	13.26	178	378806	29.77	ng	98
72) Carbazole	13.47	167	111902	8.99	ng	100
74) Fluoranthene	14.69	202	1618936	122.77	ng	97
77) Pyrene	14.97	202	1495949	113.96	ng	99
80) Benzo(a)anthracene	16.46	228	815372m	68.74	ng	
82) Chrysene	16.51	228	702476m	68.47	ng	
83) Bis(2-ethylhexyl)phthalate	16.48	149	35187	3.03	ng	99
85) Indeno(1,2,3-cd)pyrene	19.79	276	336070	27.00	ng	# 100
87) Benzo(b)fluoranthene	17.75	252	753135m	63.67	ng	
88) Benzo(k)fluoranthene	17.76	252	338927m	31.93	ng	
89) Benzo(a)pyrene	18.15	252	587832	55.54	ng	# 92
90) Dibenzo(a,h)anthracene	19.81	278	100868	9.13	ng	# 90
91) Benzo(g,h,i)perylene	20.25	276	333373m	31.65	ng	

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

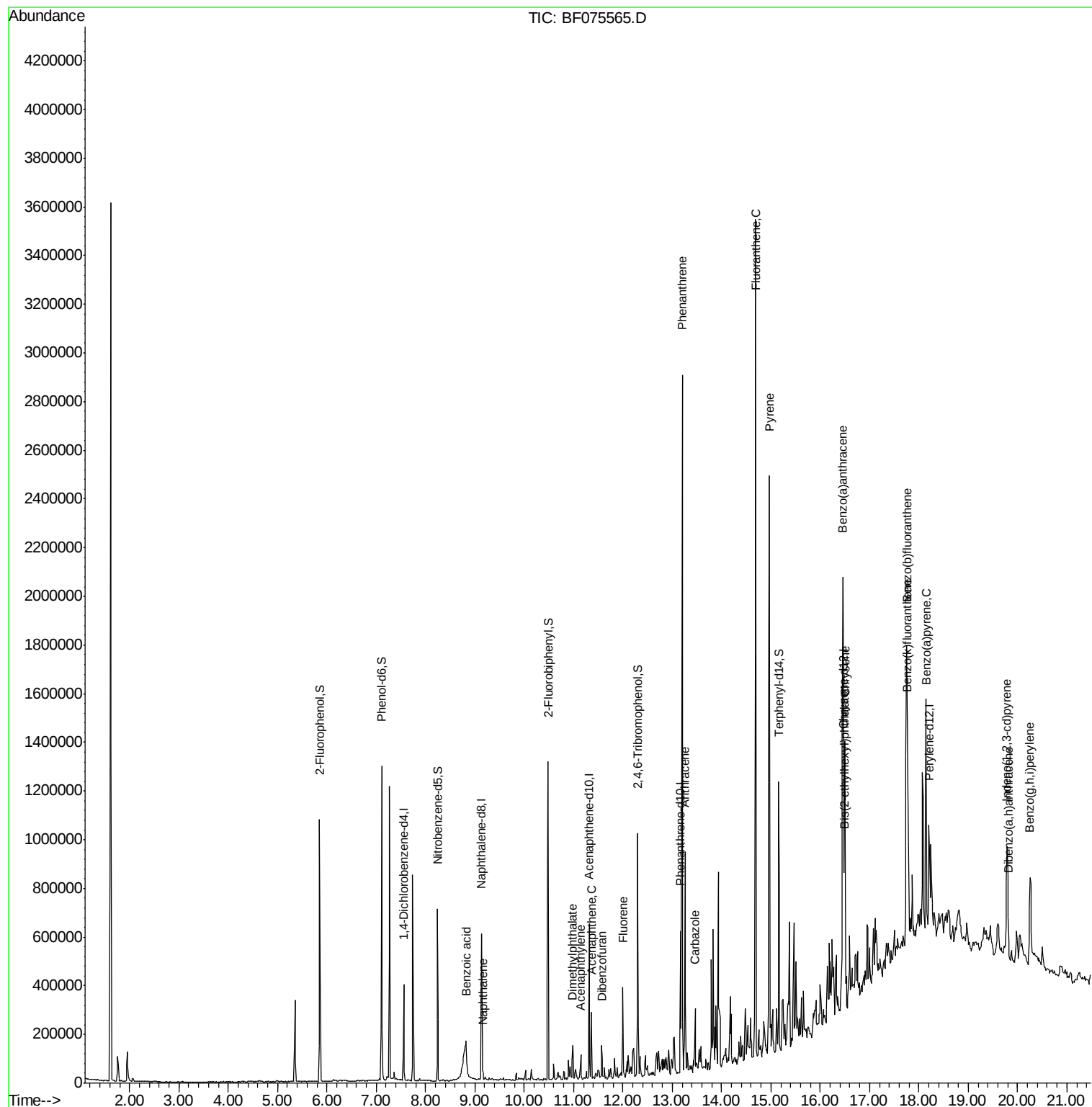
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075565.D
Acq On : 16 Nov 2014 2:36
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Sample : F4713-01
Misc :
ALS Vial : 63 Sample Multiplier: 1

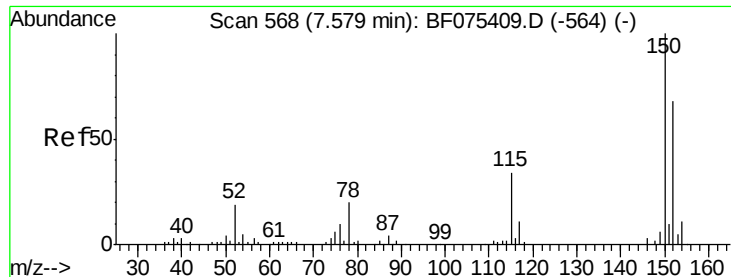
Instrument :
BNA_F
ClientSampled :
SB-1(4-5)

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Quant Time: Nov 17 03:14:14 2014
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 17 01:17:49 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

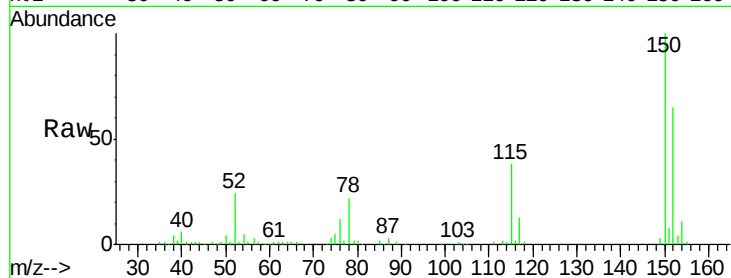
ClientSampled :

SB-1(4-5)

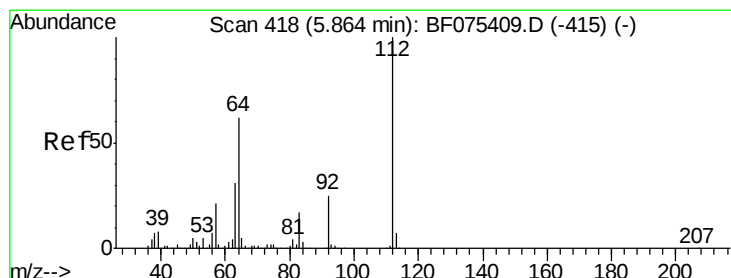
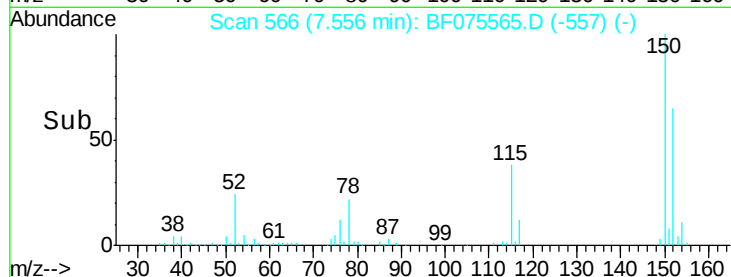
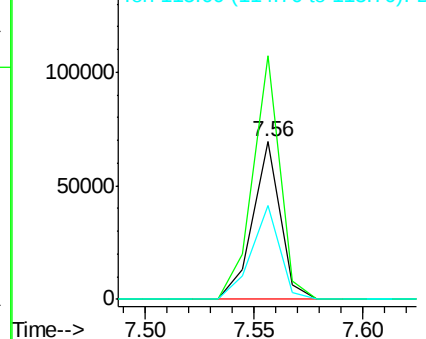
Tgt Ion:	152	Resp:	60947
Ion Ratio	Lower	Upper	
152	100		
150	154.6	127.2	190.8
115	59.5	57.1	85.7

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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: 96.43 ng

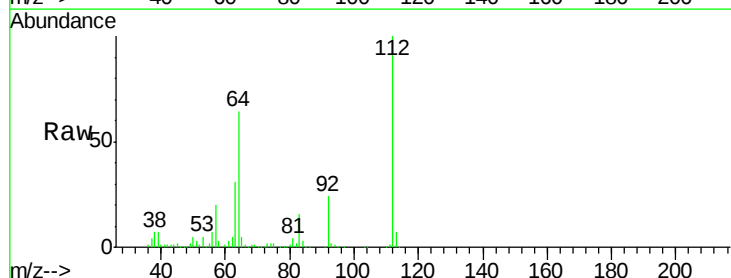
RT: 5.85 min Scan# 417

Delta R.T. 0.01 min

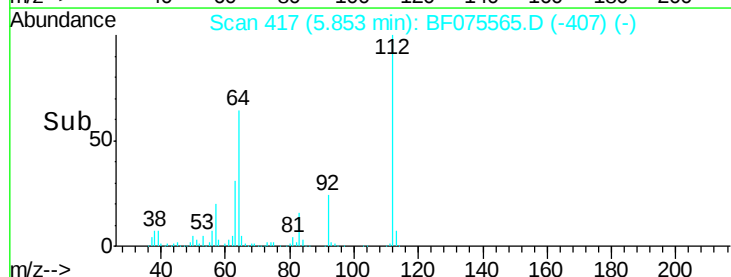
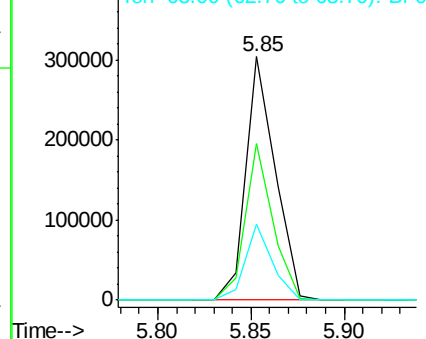
Lab File: BF075565.D

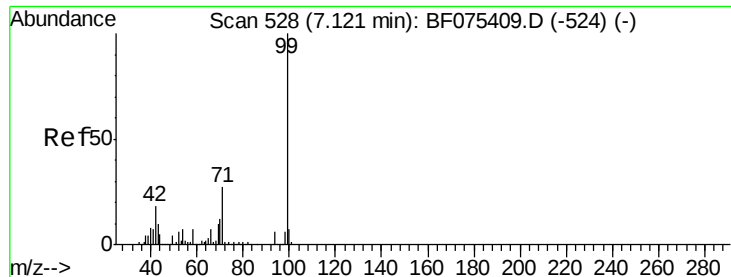
Acq: 16 Nov 2014 2:36

Tgt Ion:	112	Resp:	332684
Ion Ratio	Lower	Upper	
112	100		
64	64.3	45.8	68.6
63	31.2	22.7	34.1



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: 100.12 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF075565.D

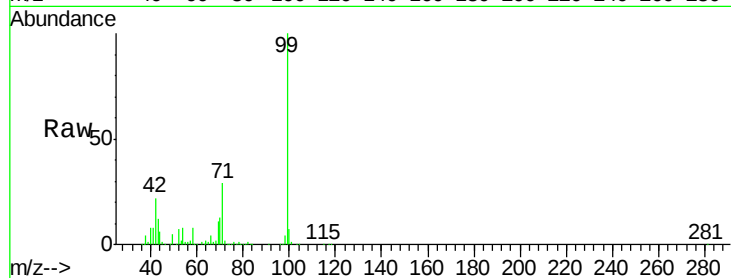
Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

ClientSampleId :

SB-1(4-5)



Tgt Ion: 99 Resp: 415380

Ion Ratio Lower Upper

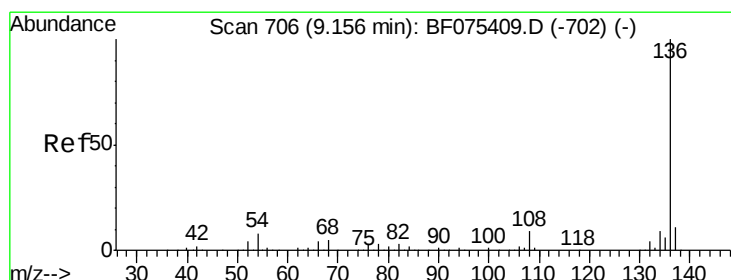
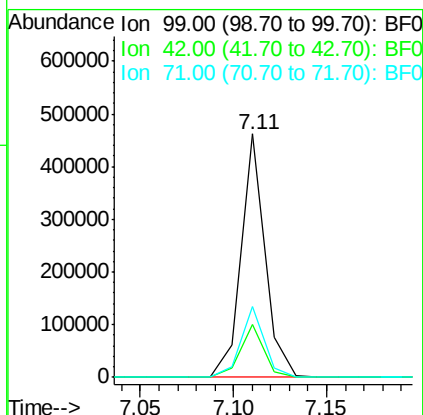
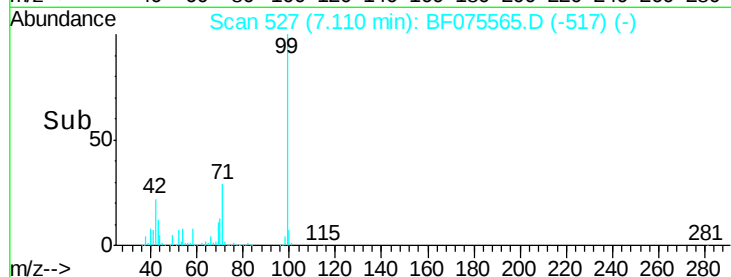
99 100

42 21.6 19.8 29.6

71 29.1 25.5 38.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Tgt Ion: 136 Resp: 255485

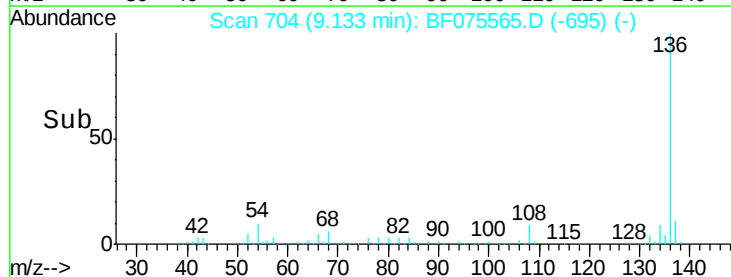
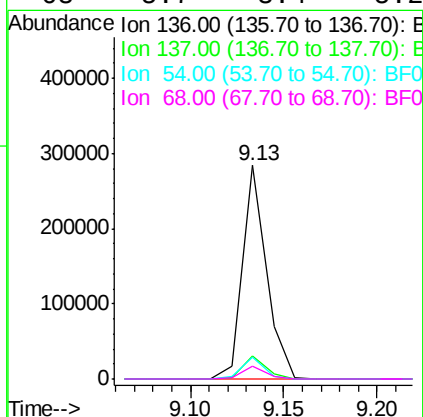
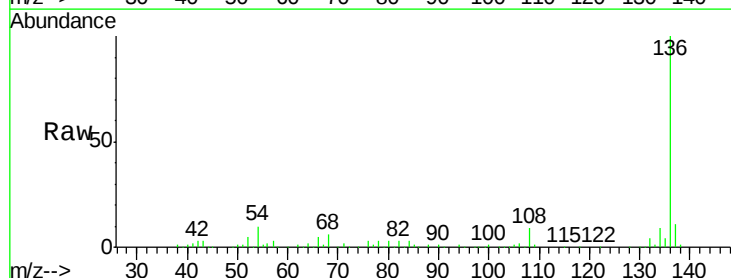
Ion Ratio Lower Upper

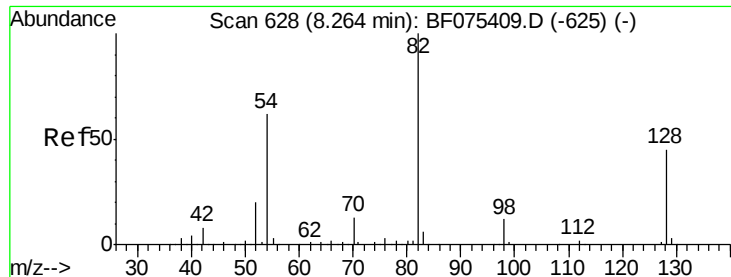
136 100

137 10.7 8.2 12.4

54 10.2 6.2 9.4#

68 5.7 3.4 5.2#





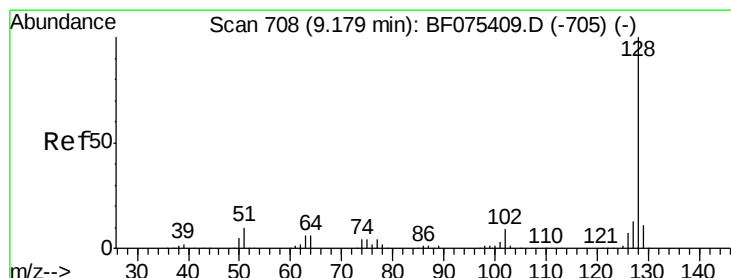
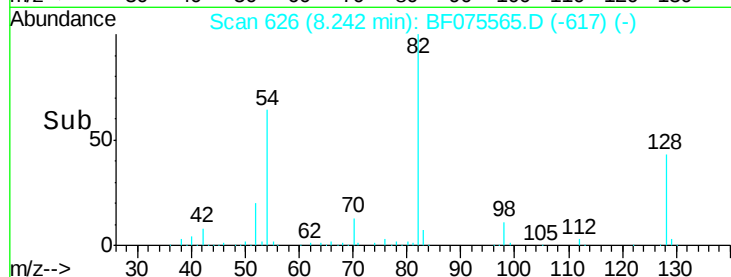
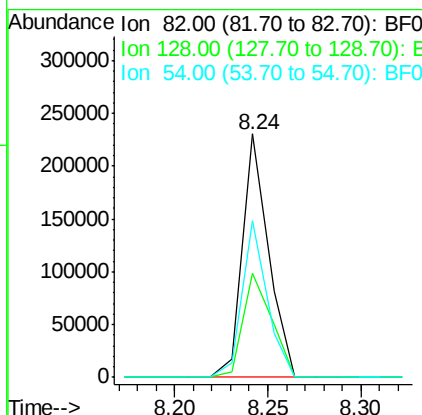
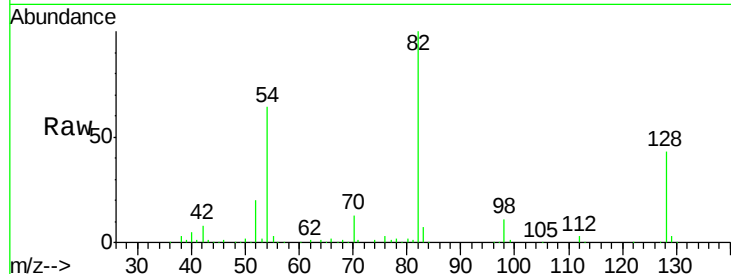
#23
 Nitrobenzene-d5
 Concen: 65.24 ng
 RT: 8.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	227347		
128	42.6	37.8	56.6	
54	64.4	49.8	74.8	

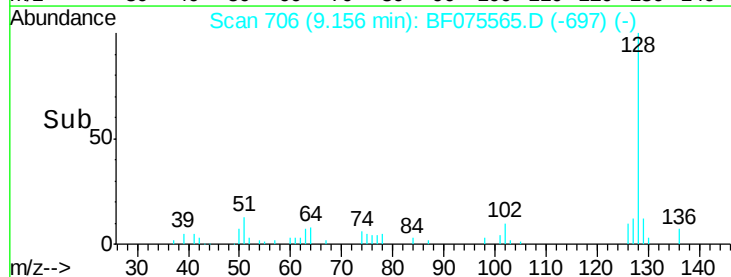
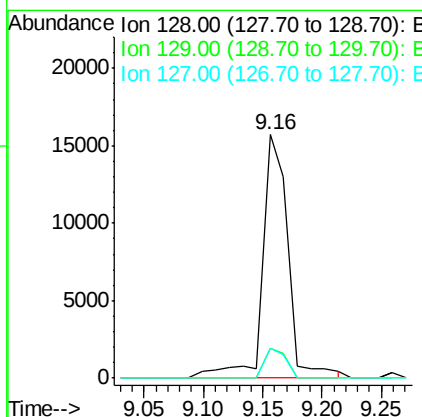
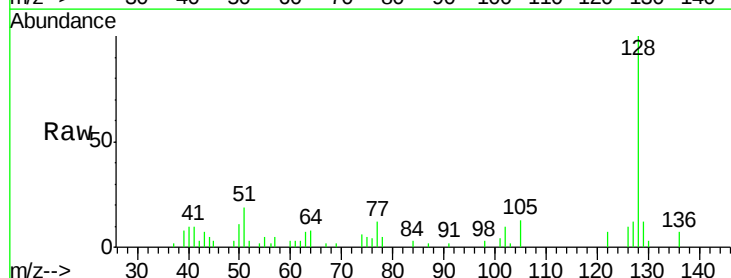
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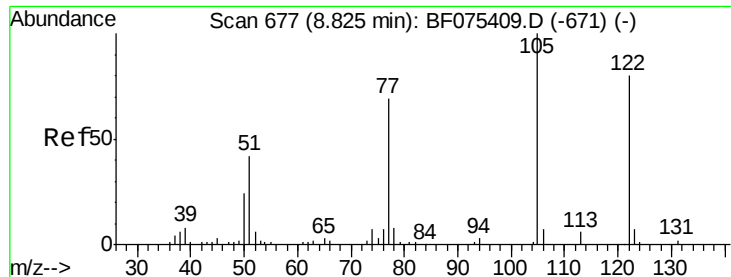
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#31
 Naphthalene
 Concen: 2.05 ng
 RT: 9.16 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	23400		
129	12.2	9.0	13.4	
127	12.4	10.2	15.4	





#32

Benzoic acid

Concen: 77.49 ng m

RT: 8.82 min Scan# 677

Delta R.T. 0.02 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

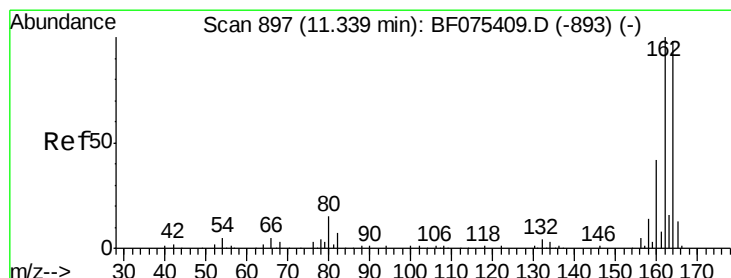
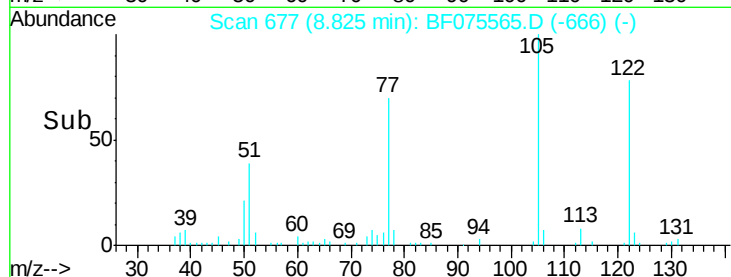
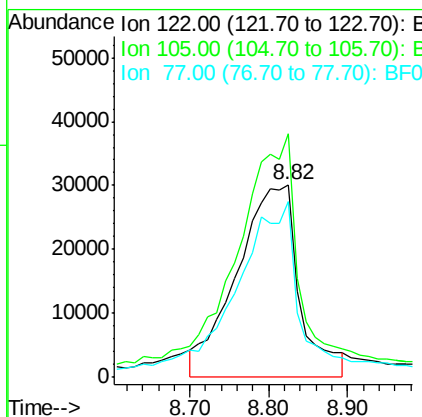
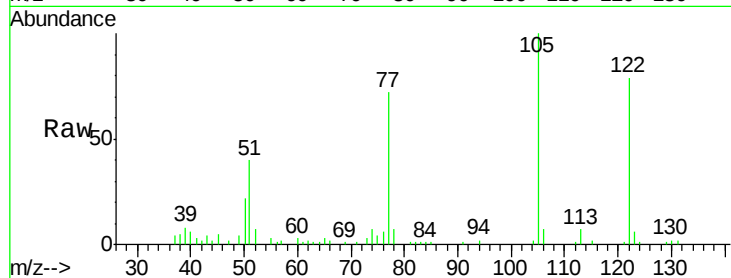
ClientSampleId :

SB-1(4-5)

Tgt Ion:	122	Resp:	166970
Ion Ratio	Lower	Upper	
122	100		
105	126.3	95.1	135.1
77	91.5	62.6	102.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

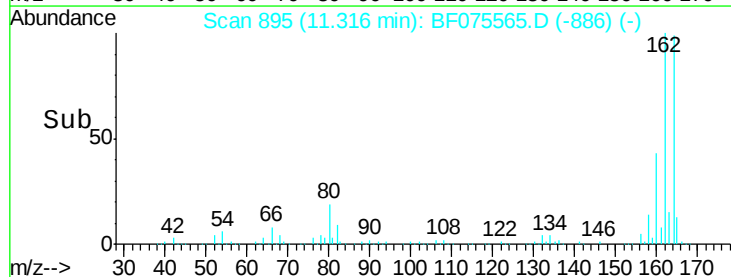
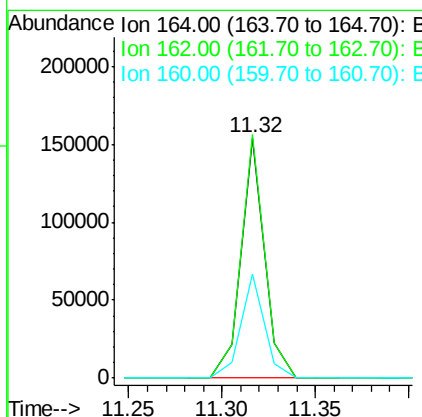
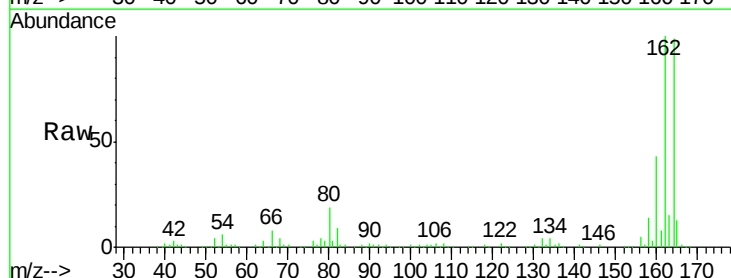
RT: 11.32 min Scan# 895

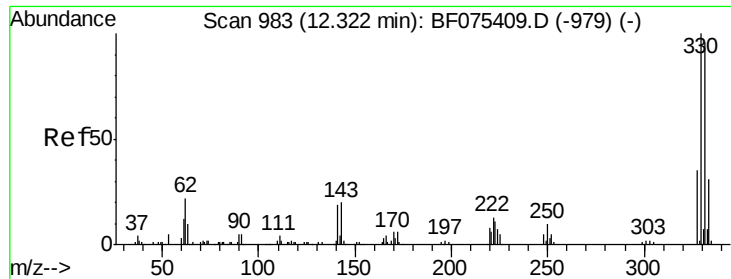
Delta R.T. 0.00 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Tgt Ion:	164	Resp:	135714
Ion Ratio	Lower	Upper	
164	100		
162	101.5	79.1	118.7
160	43.6	34.6	51.8





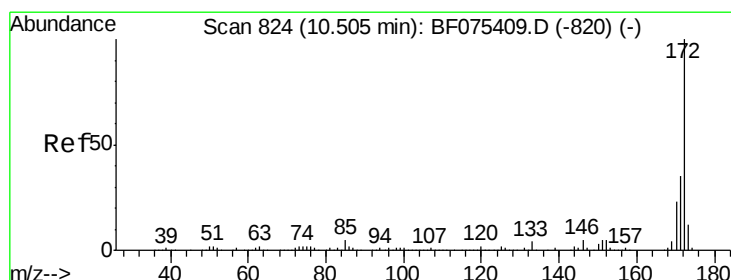
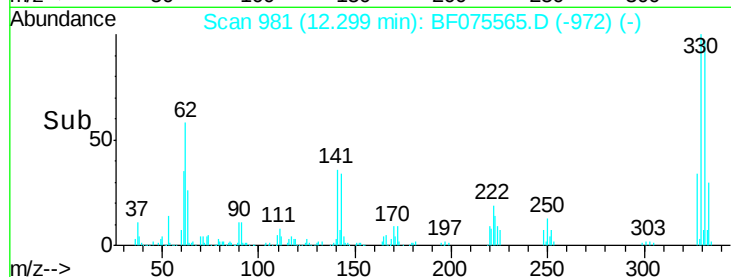
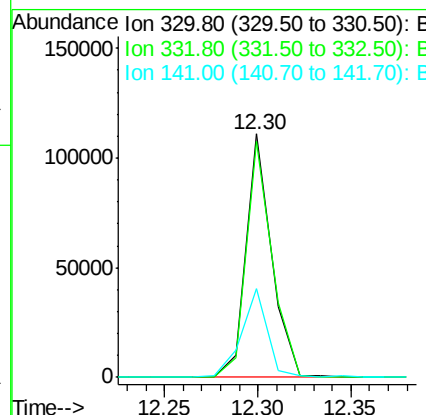
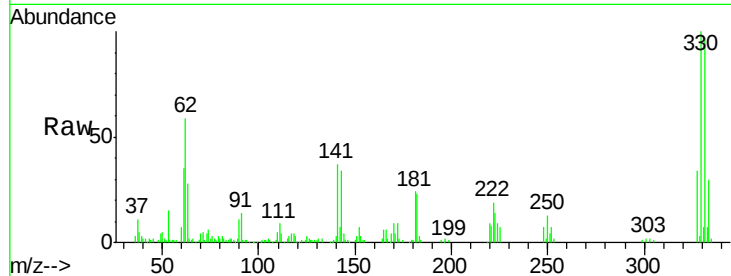
#41
 2,4,6-Tribromophenol
 Concen: 93.15 ng
 RT: 12.30 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

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 BNA_F
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 SB-1(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	105881		
332	98.3	74.5	111.7	
141	36.4	30.7	46.1	

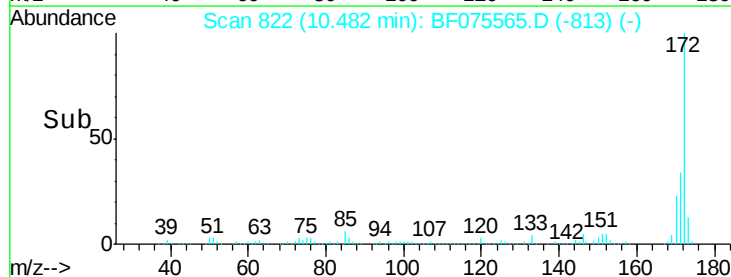
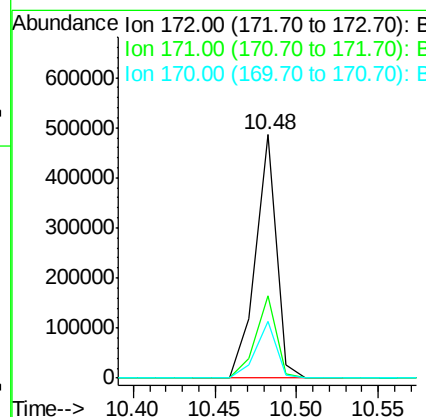
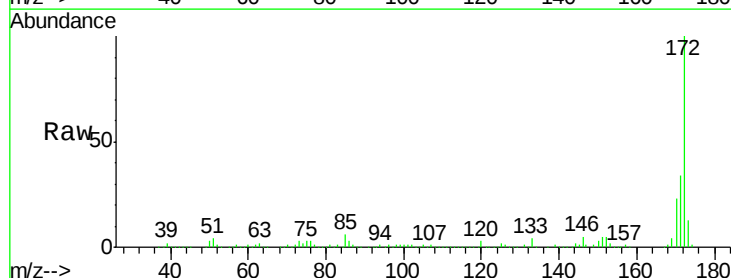
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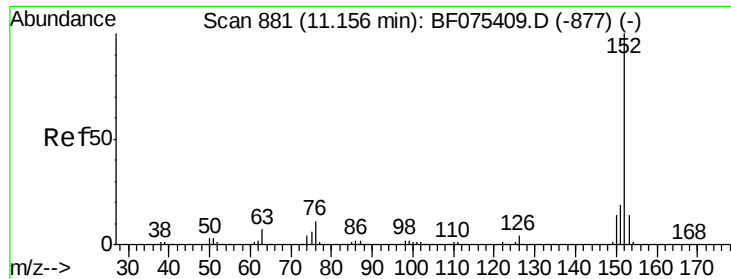
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#44
 2-Fluorobiphenyl
 Concen: 57.85 ng
 RT: 10.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	434498		
171	33.8	27.3	40.9	
170	23.1	18.4	27.6	





#48

Acenaphthylene

Concen: 4.08 ng

RT: 11.15 min Scan# 880

Delta R.T. 0.01 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

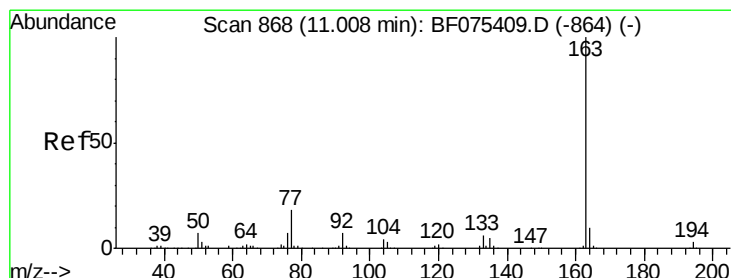
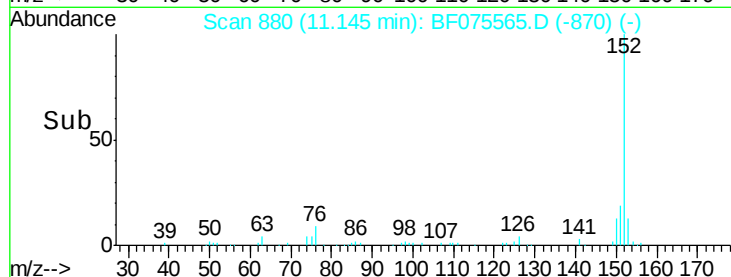
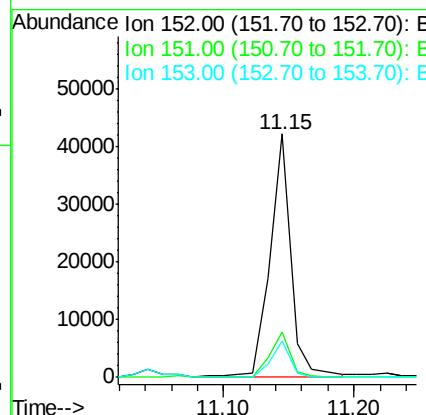
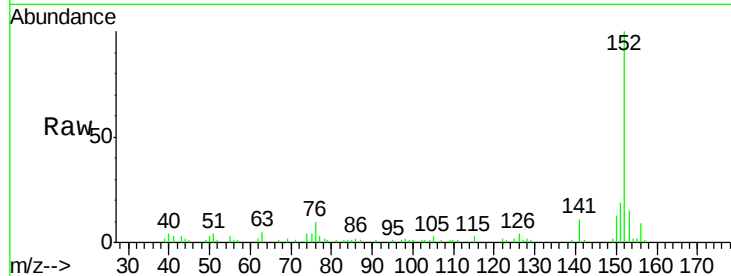
ClientSampleId :

SB-1(4-5)

Tgt Ion:	152	Resp:	48120
Ion Ratio	Lower	Upper	
152	100		
151	18.7	15.4	23.2
153	14.7	10.0	15.0

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#49

Dimethylphthalate

Concen: 6.68 ng

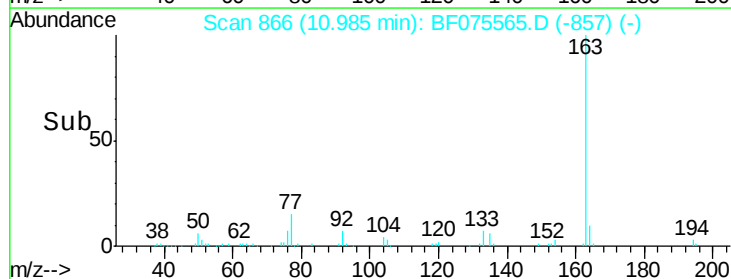
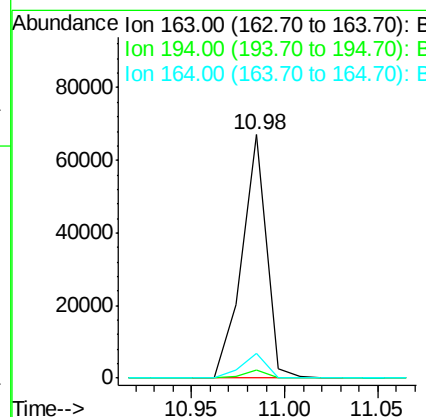
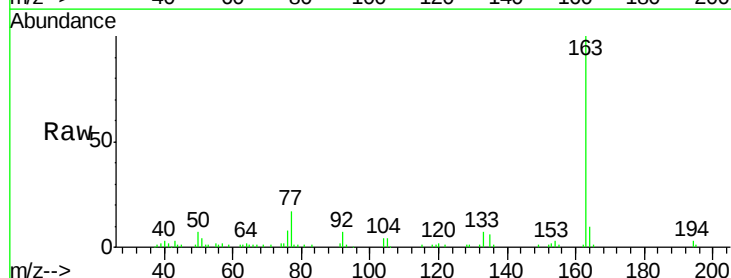
RT: 10.98 min Scan# 866

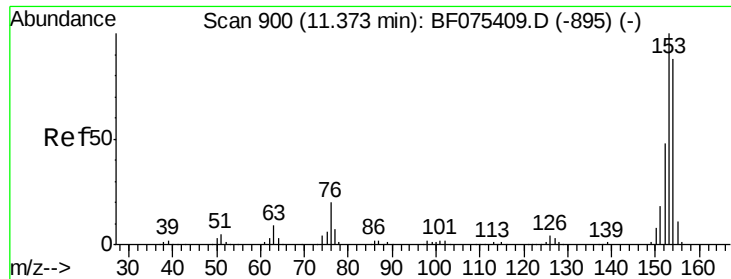
Delta R.T. 0.00 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Tgt Ion:	163	Resp:	61999
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.7	4.1
164	10.2	8.0	12.0





#51

Acenaphthene

Concen: 12.39 ng

RT: 11.36 min Scan# 899

Delta R.T. 0.01 min

Lab File: BF075565.D

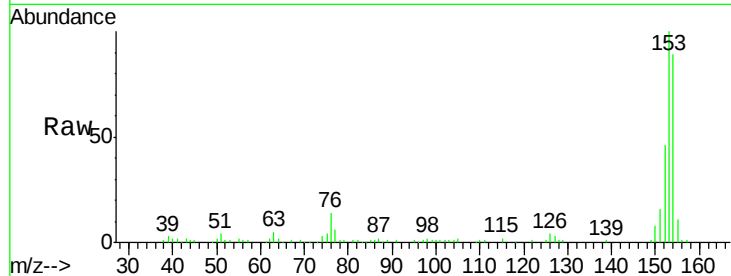
Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

ClientSampleId :

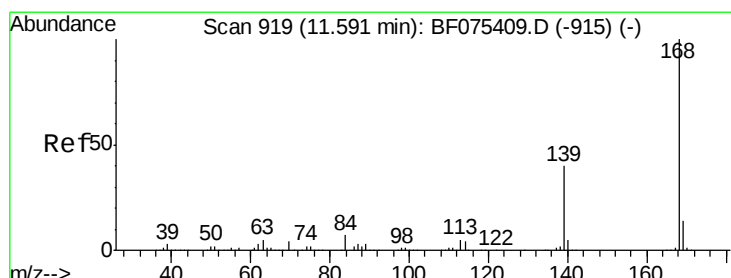
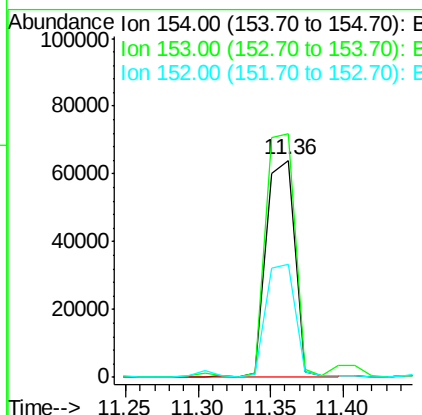
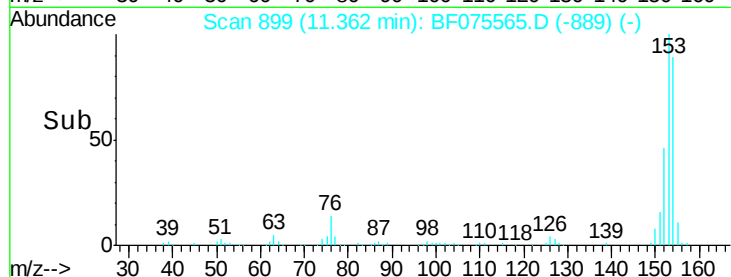
SB-1(4-5)



Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.2	136.8
152	52.1	43.4	65.0

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#54

Dibenzofuran

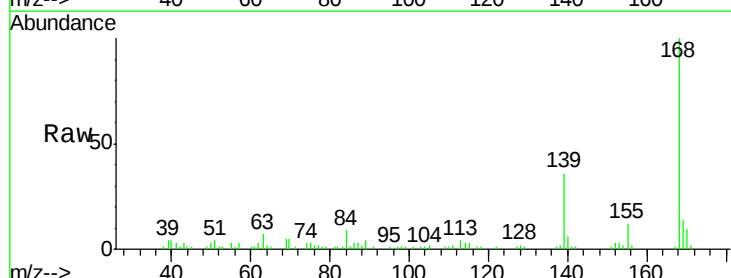
Concen: 5.14 ng

RT: 11.57 min Scan# 917

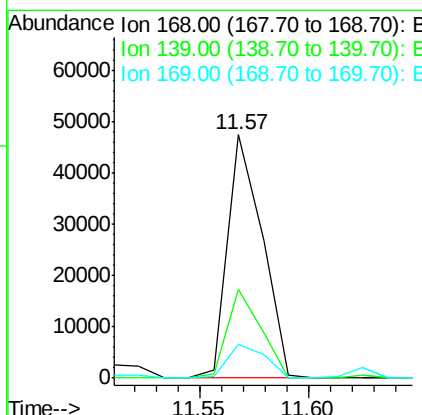
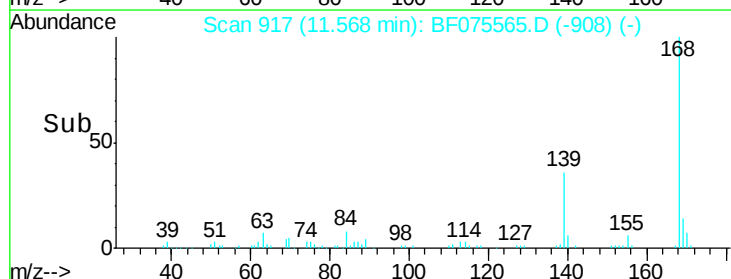
Delta R.T. 0.00 min

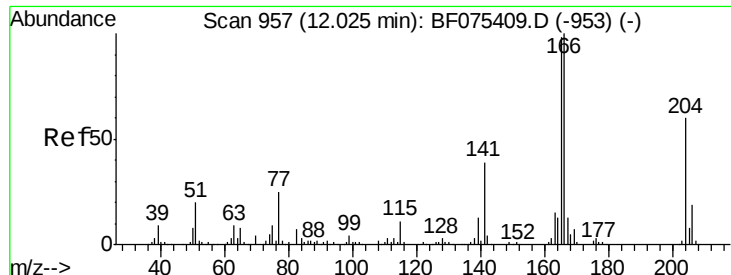
Lab File: BF075565.D

Acq: 16 Nov 2014 2:36



Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.5	33.0	49.4
169	14.0	10.8	16.2





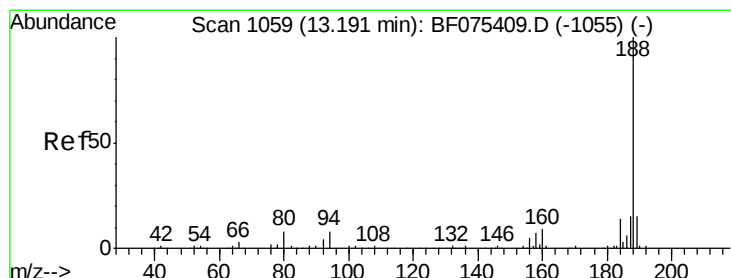
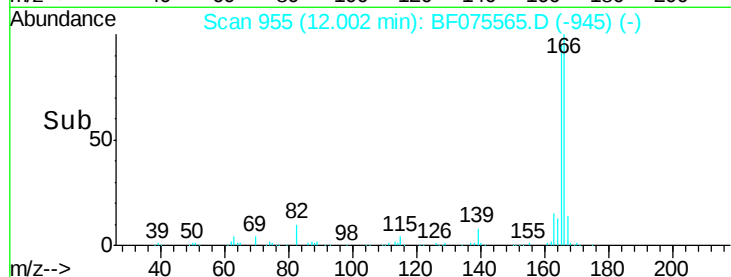
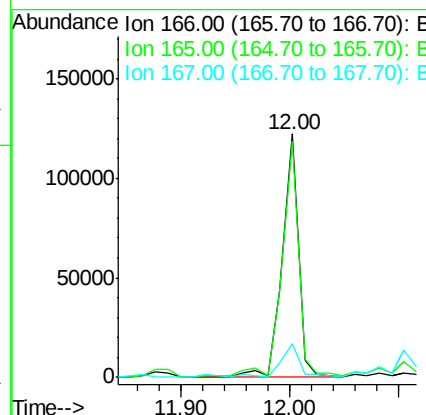
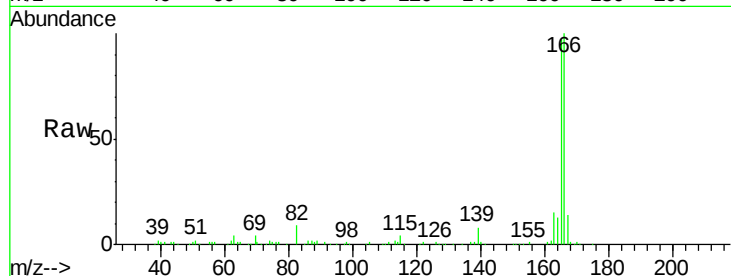
#57
Fluorene
 Concen: 15.28 ng
 RT: 12.00 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	125832		
165	97.1	78.8	118.2	
167	13.8	10.6	15.8	

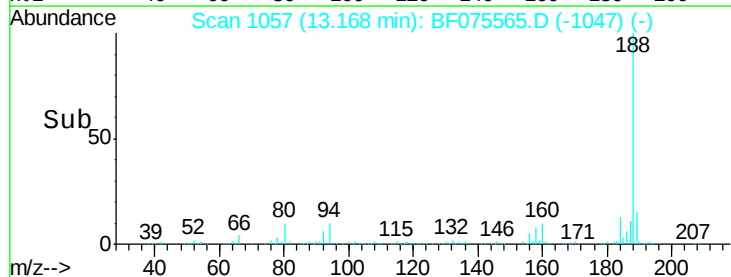
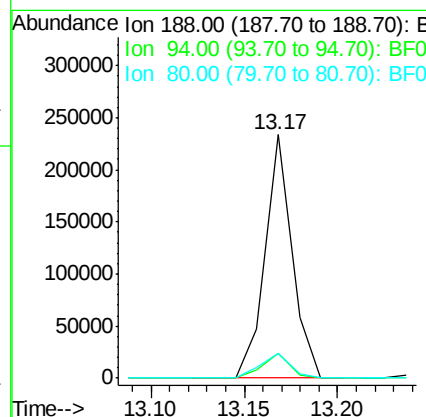
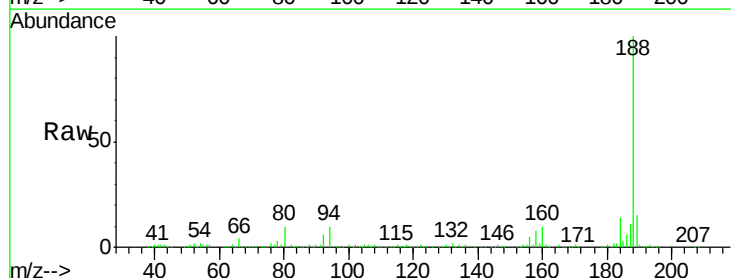
Manual Integrations
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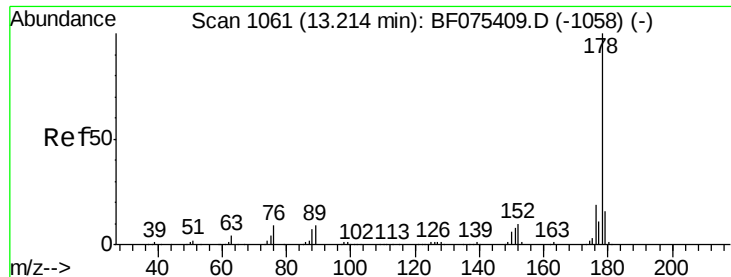
mohammad
 11/17/2014 7:38:42 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.17 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	233943		
94	10.2	7.8	11.6	
80	10.3	8.0	12.0	





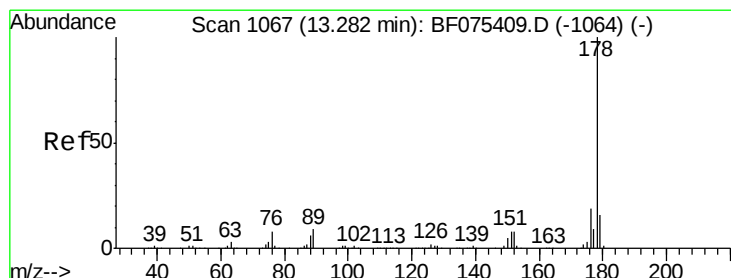
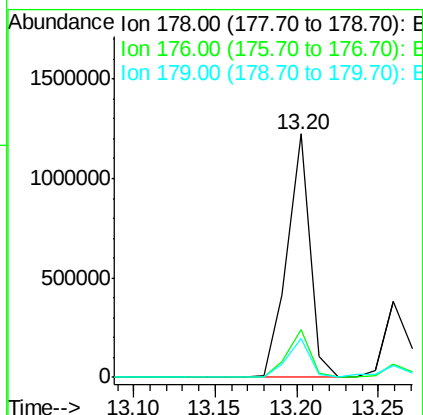
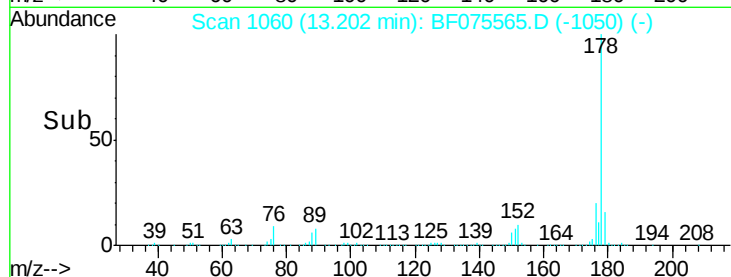
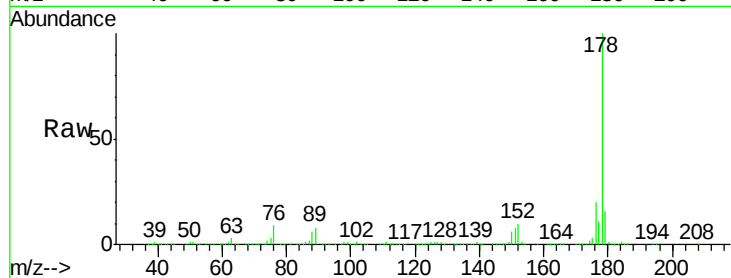
#70
Phenanthrene
Concen: 98.11 ng
RT: 13.20 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF075565.D
Acq: 16 Nov 2014 2:36

Instrument :
BNA_F
ClientSampleId :
SB-1(4-5)

Tgt Ion:178 Resp: 1207905
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.7 12.2 18.4

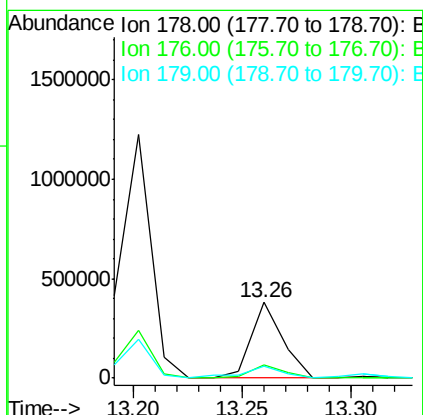
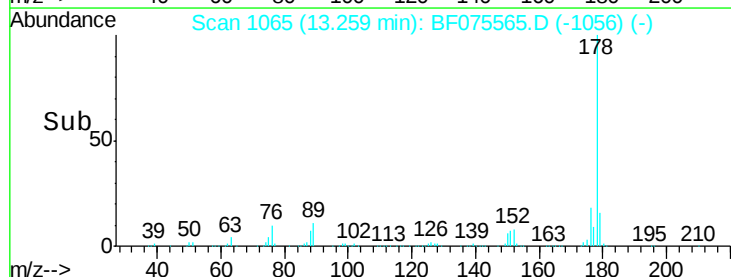
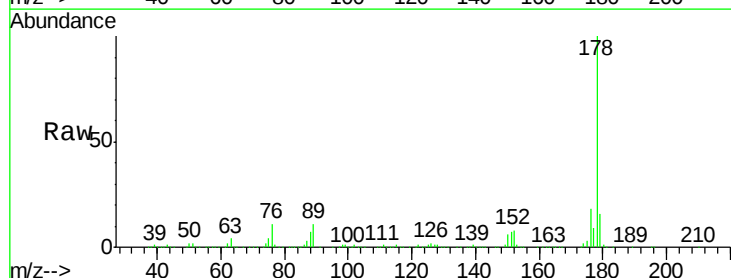
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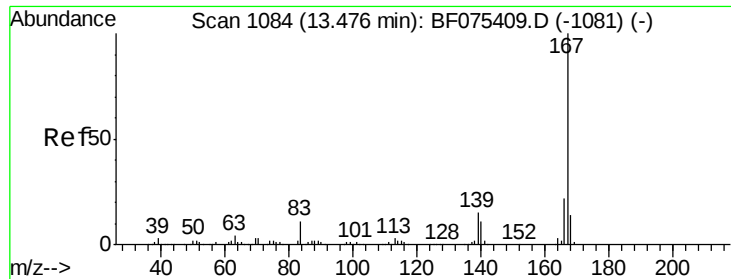
mohammad
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#71
Anthracene
Concen: 29.77 ng
RT: 13.26 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF075565.D
Acq: 16 Nov 2014 2:36

Tgt Ion:178 Resp: 378806
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 16.1 12.2 18.2





#72

Carbazole

Concen: 8.99 ng

RT: 13.47 min Scan# 1083

Delta R.T. 0.01 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

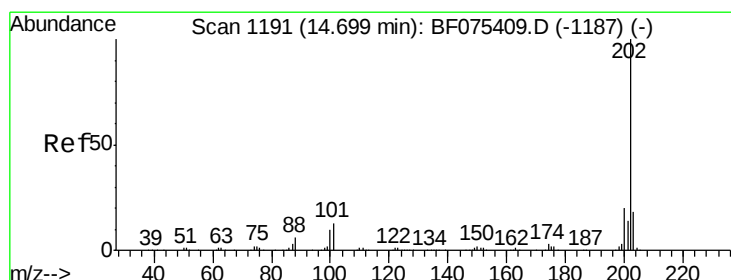
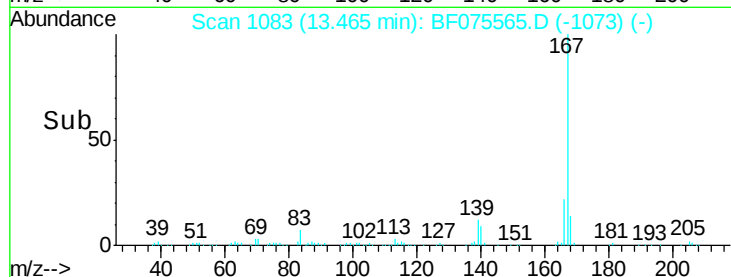
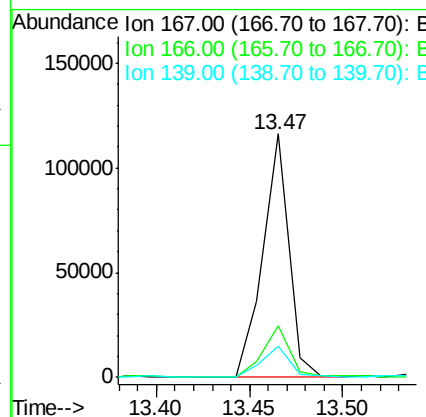
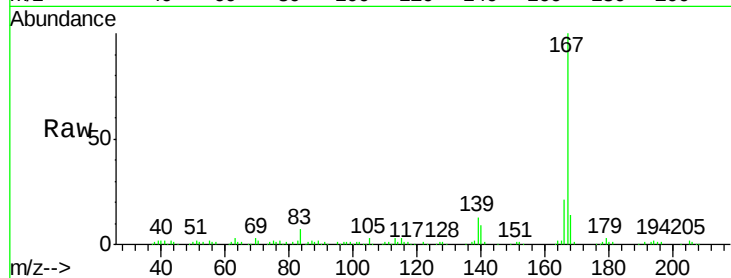
ClientSampleId :

SB-1(4-5)

Tgt Ion:	167	Resp:	111902
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.4	26.0
139	12.7	10.1	15.1

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#74

Fluoranthene

Concen: 122.77 ng

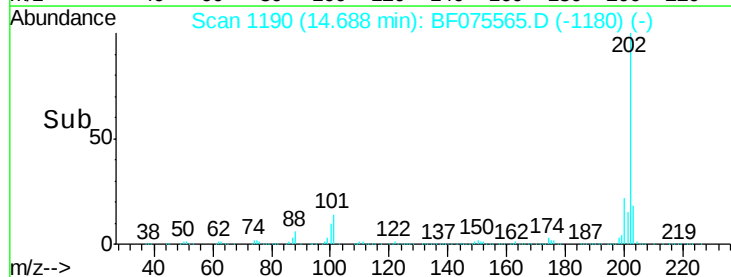
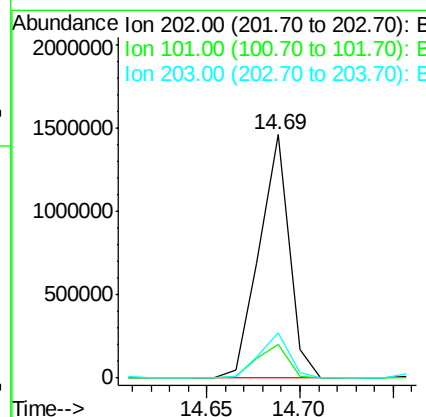
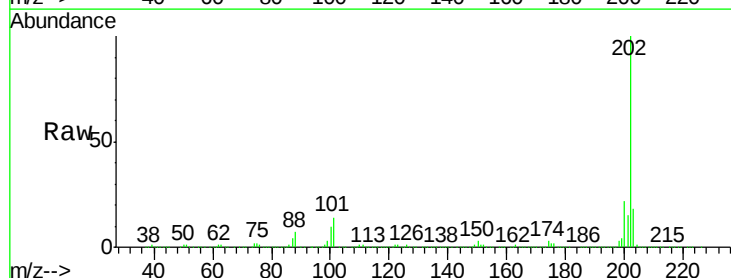
RT: 14.69 min Scan# 1190

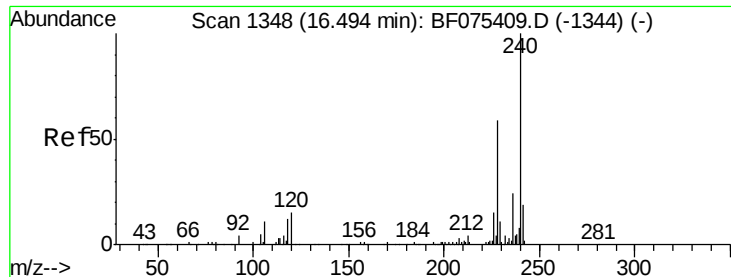
Delta R.T. 0.01 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Tgt Ion:	202	Resp:	1618936
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	36.6
203	18.4	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.47 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

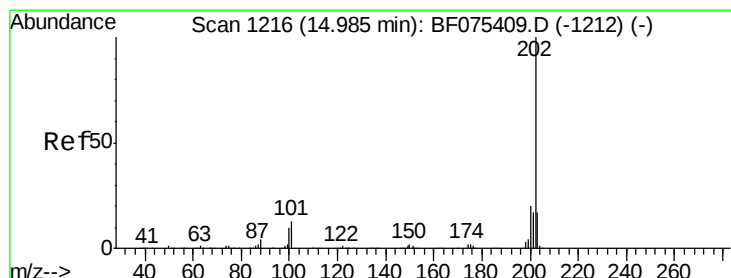
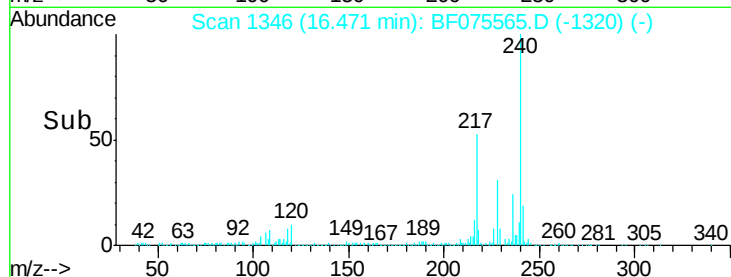
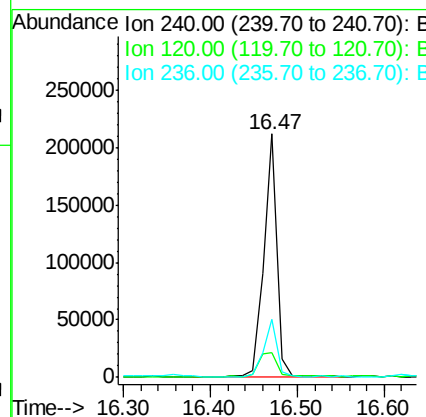
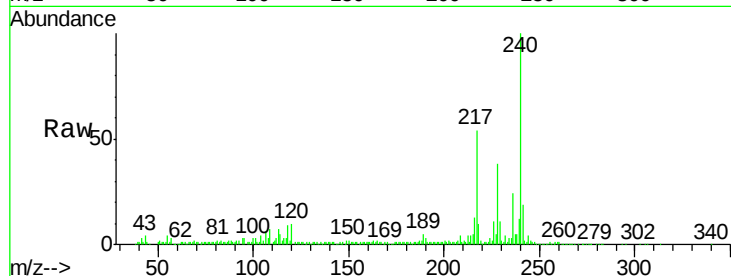
ClientSampleId :

SB-1(4-5)

Tgt Ion:	240	Resp:	225796
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.6	14.4
236	23.8	18.9	28.3

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#77

Pyrene

Concen: 113.96 ng

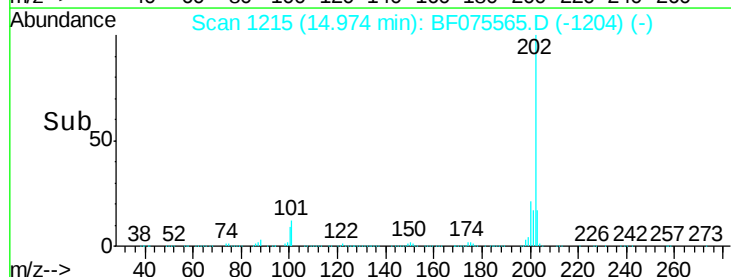
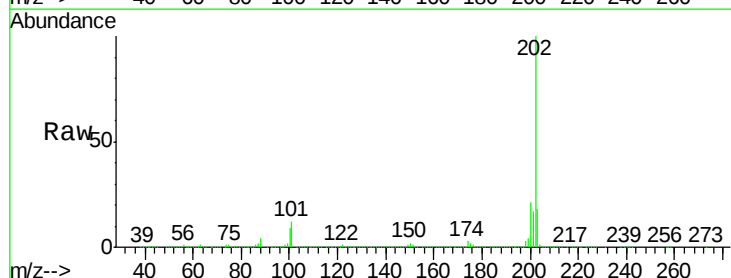
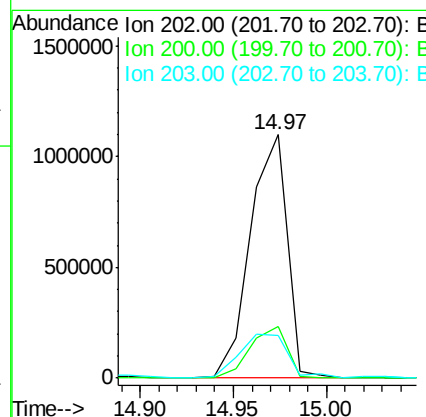
RT: 14.97 min Scan# 1215

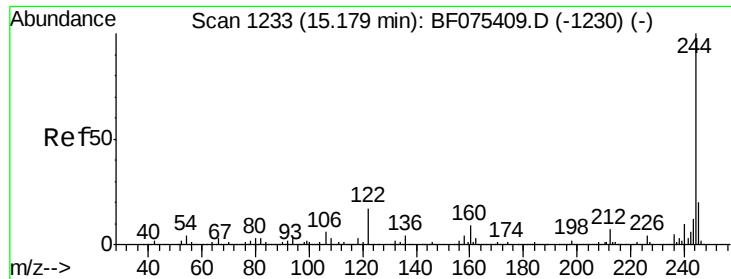
Delta R.T. 0.02 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Tgt Ion:	202	Resp:	1495949
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	17.5	14.3	21.5





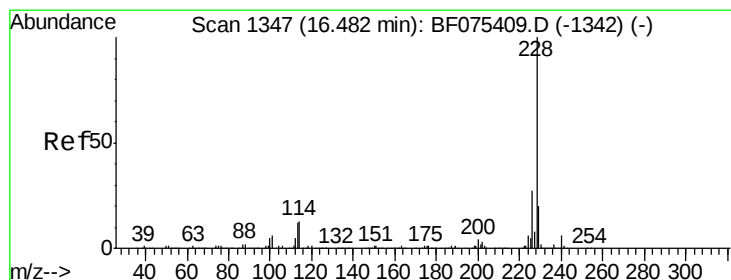
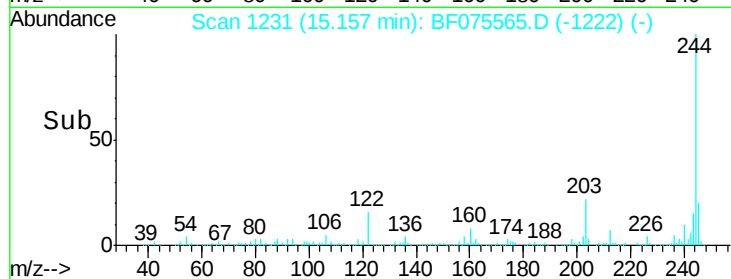
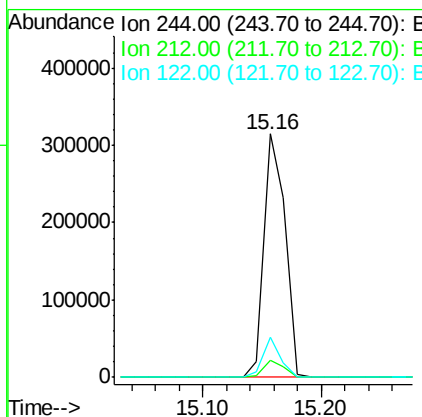
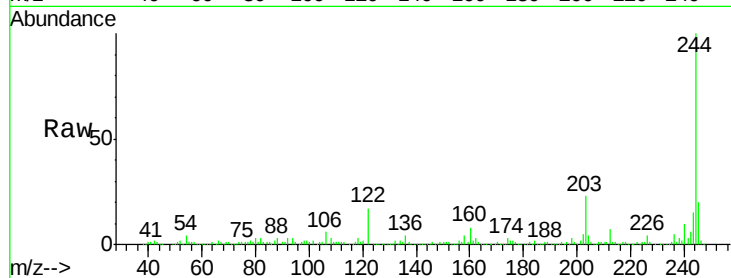
#78
 Terphenyl-d14
 Concen: 46.99 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.0	5.5	8.3
122	16.7	9.7	14.5

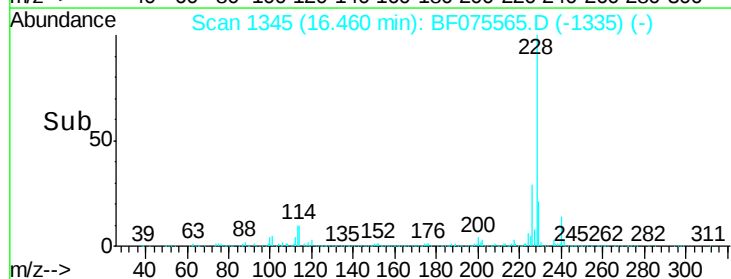
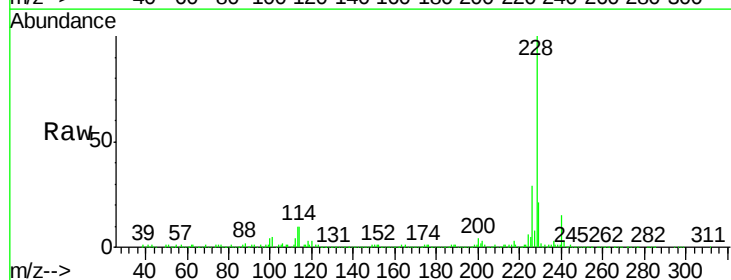
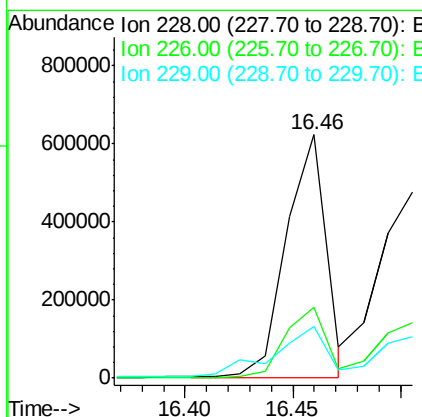
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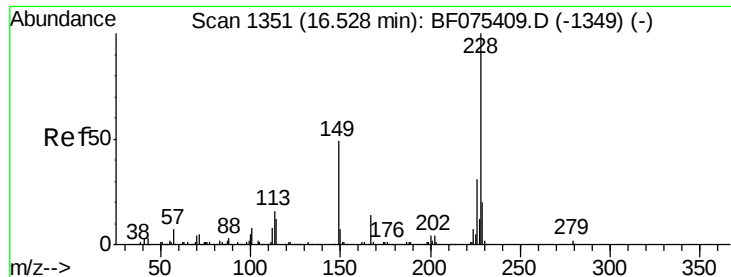
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#80
 Benzo(a)anthracene
 Concen: 68.74 ng m
 RT: 16.46 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.2	21.8	32.8
229	21.0	15.3	22.9





#82

Chrysene

Concen: 68.47 ng m

RT: 16.51 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

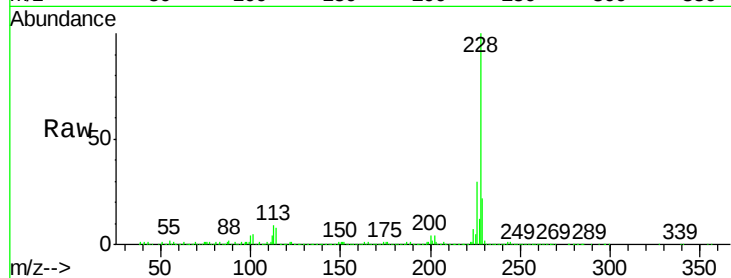
ClientSampleId :

SB-1(4-5)

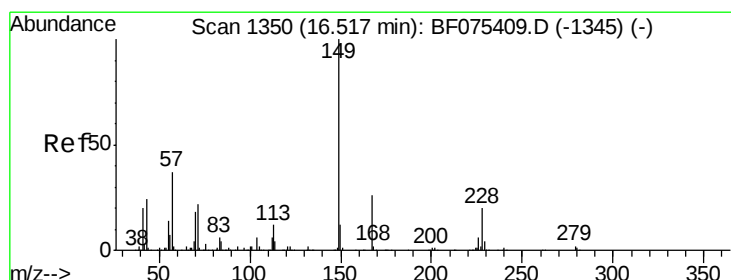
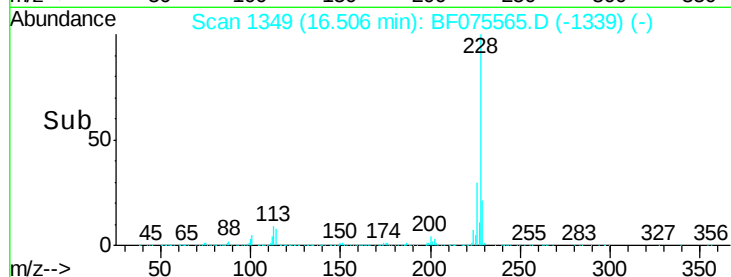
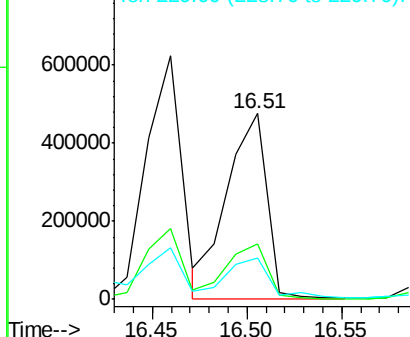
Tgt Ion:	228	Resp:	702476
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.8	35.6
229	22.5	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.03 ng

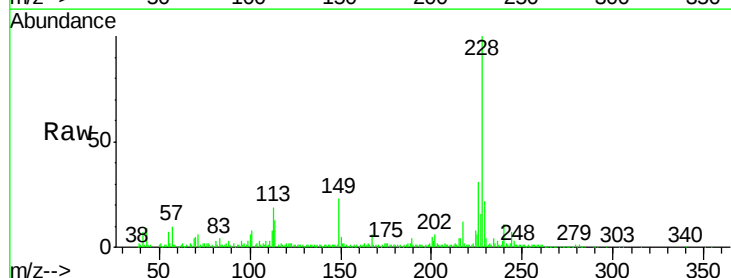
RT: 16.48 min Scan# 1347

Delta R.T. -0.01 min

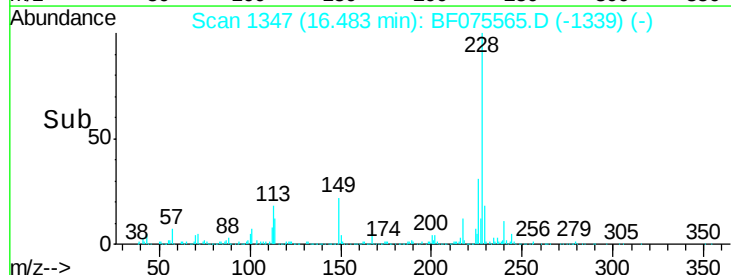
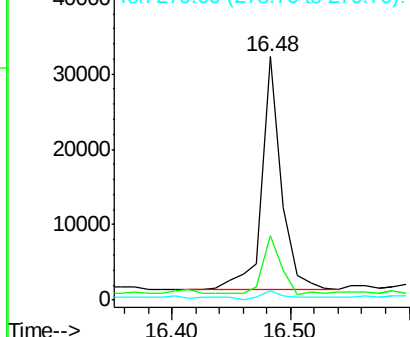
Lab File: BF075565.D

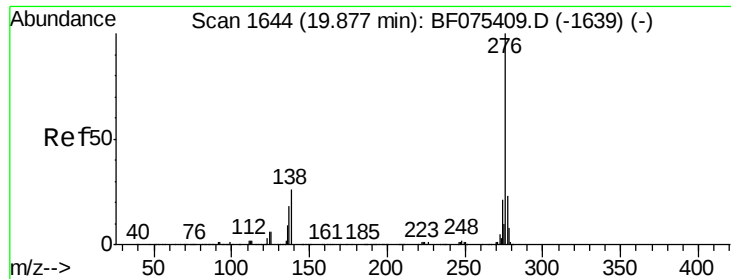
Acq: 16 Nov 2014 2:36

Tgt Ion:	149	Resp:	35187
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.4	32.2
279	4.0	2.8	4.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





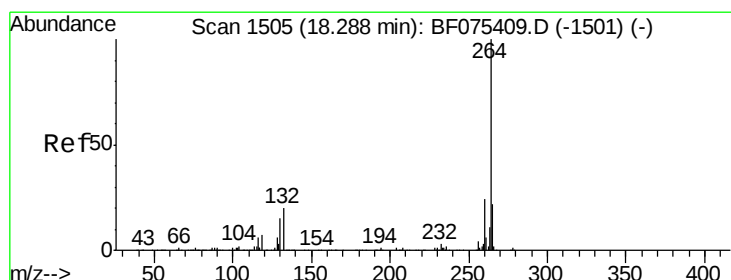
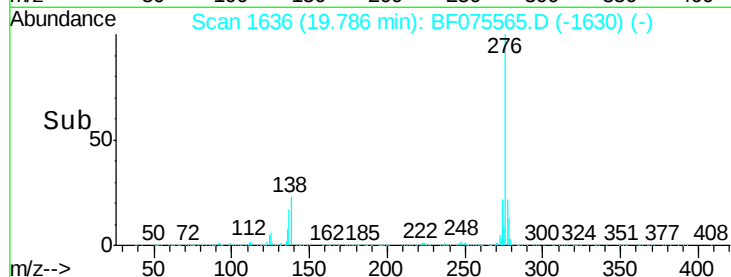
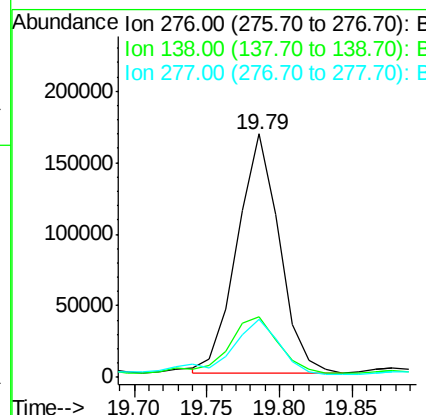
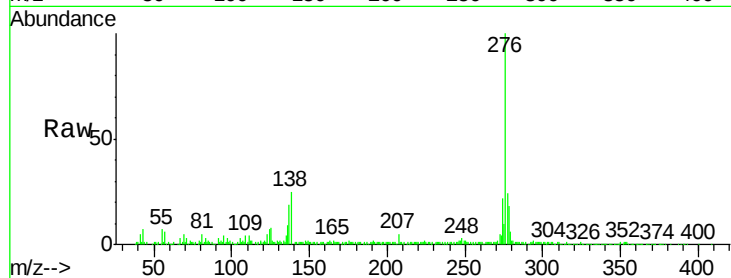
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.00 ng
 RT: 19.79 min Scan# 1636
 Delta R.T. -0.03 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.7	0.0	0.0#
277	23.8	0.0	0.0#

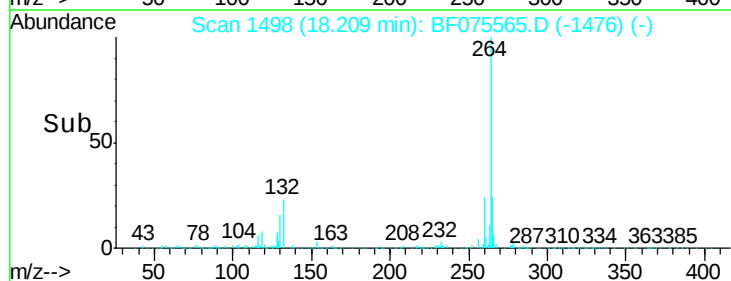
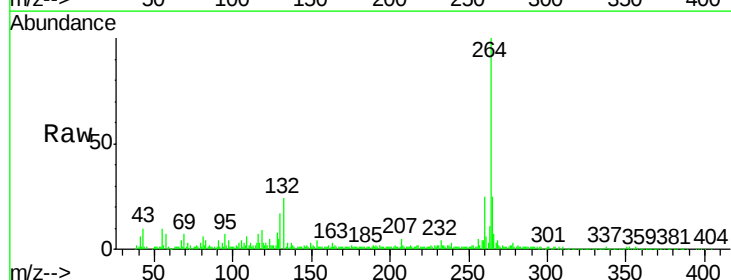
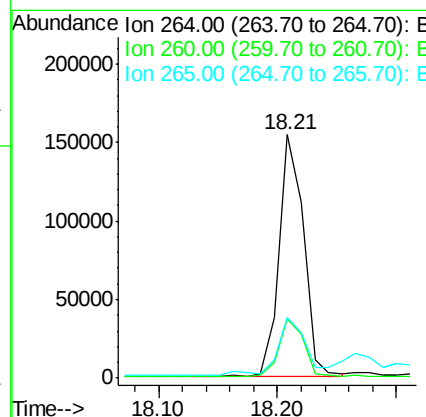
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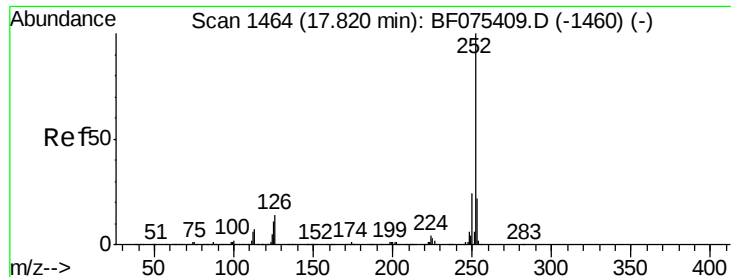
mohammad
 11/17/2014 7:38:42 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.21 min Scan# 1498
 Delta R.T. -0.05 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.5	17.9	26.9
265	25.1	16.3	24.5#





#87

Benzo(b)fluoranthene

Concen: 63.67 ng m

RT: 17.75 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Instrument :

BNA_F

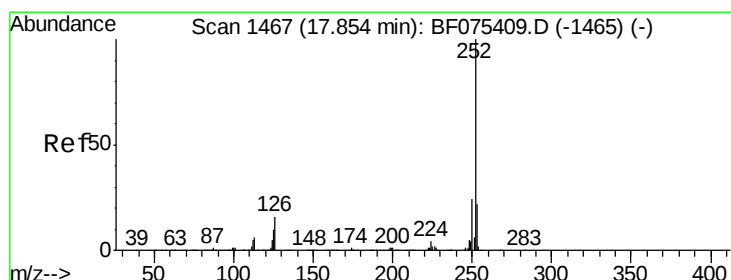
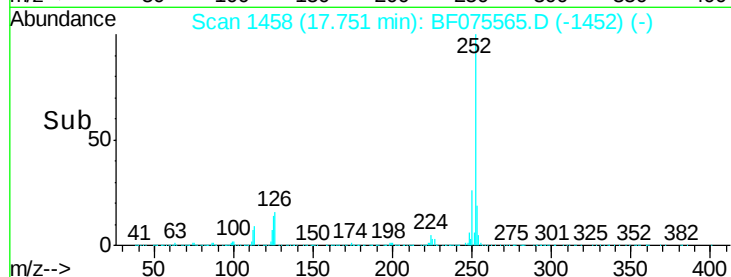
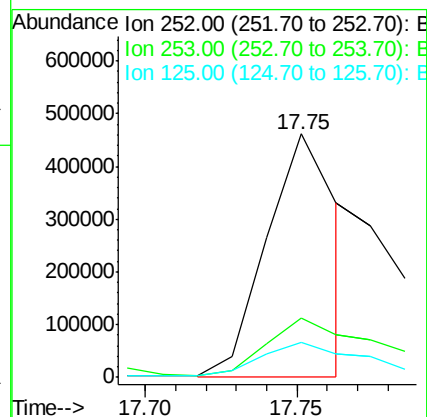
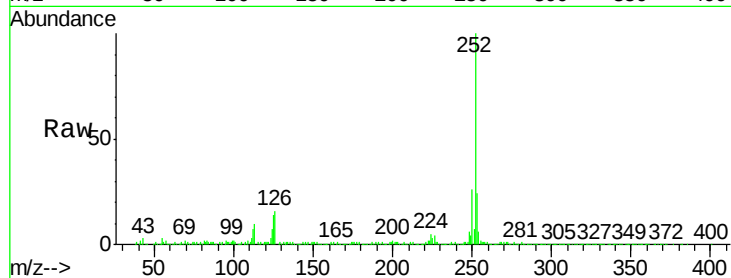
ClientSampleId :

SB-1(4-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	14.2	11.8	17.6

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#88

Benzo(k)fluoranthene

Concen: 31.93 ng m

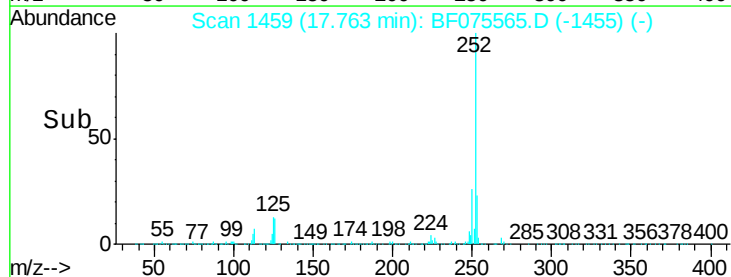
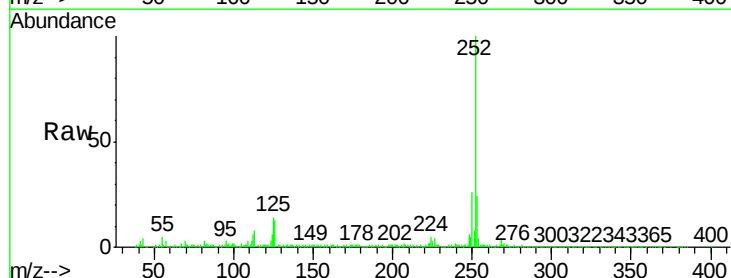
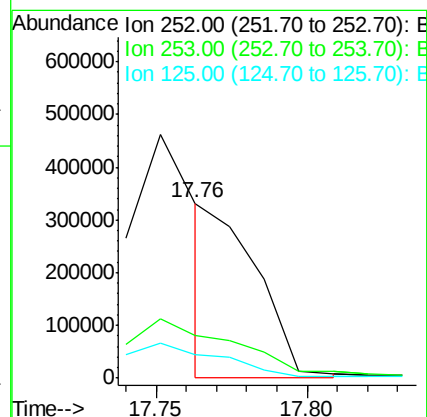
RT: 17.76 min Scan# 1459

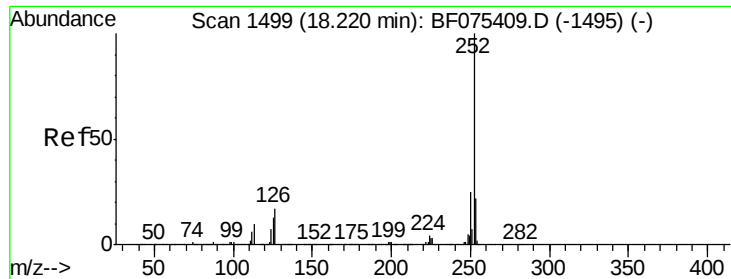
Delta R.T. -0.06 min

Lab File: BF075565.D

Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	13.6	11.6	17.4





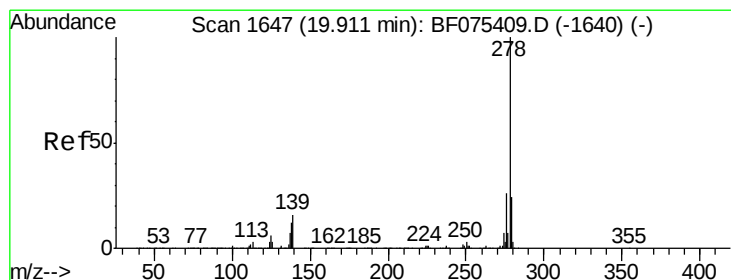
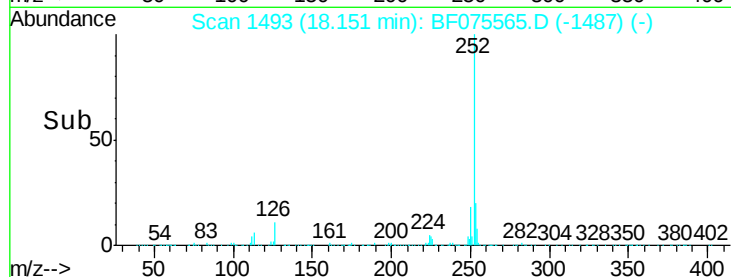
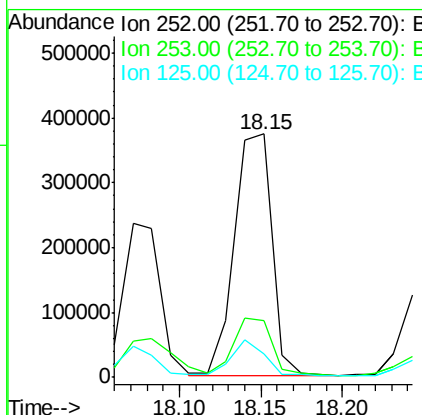
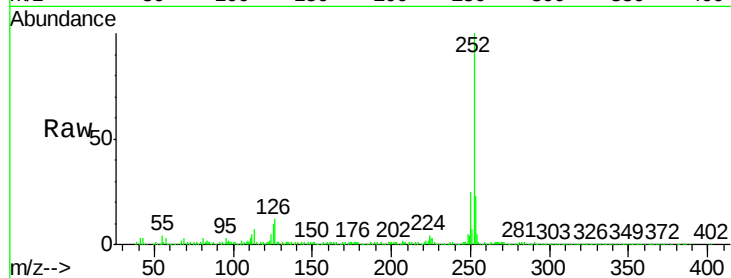
#89
Benzo(a)pyrene
Concen: 55.54 ng
RT: 18.15 min Scan# 1493
Delta R.T. -0.03 min
Lab File: BF075565.D
Acq: 16 Nov 2014 2:36

Instrument :
BNA_F
ClientSampleId :
SB-1(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.5	17.1	25.7
125	9.7	12.2	18.4

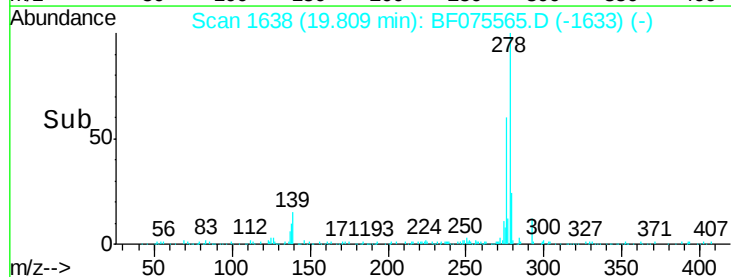
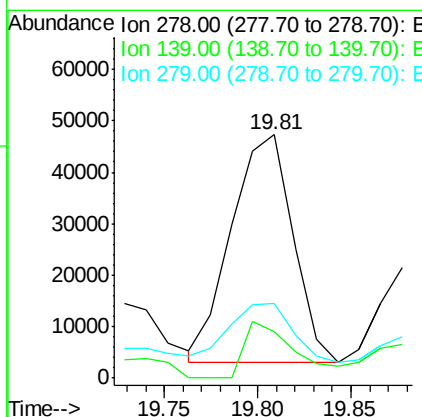
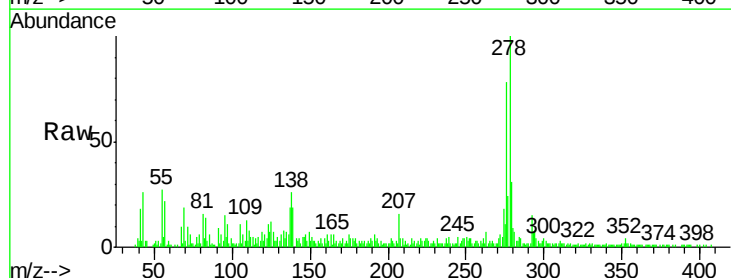
Manual Integrations
APPROVED

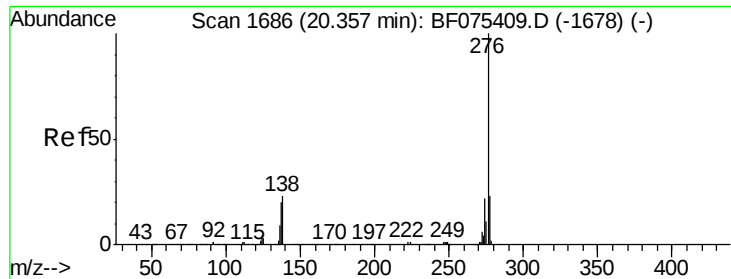
mohammad
11/17/2014 7:38:42 PM



#90
Dibenzo(a,h)anthracene
Concen: 9.13 ng
RT: 19.81 min Scan# 1638
Delta R.T. -0.05 min
Lab File: BF075565.D
Acq: 16 Nov 2014 2:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	19.2	13.6	20.4
279	30.7	19.4	29.0





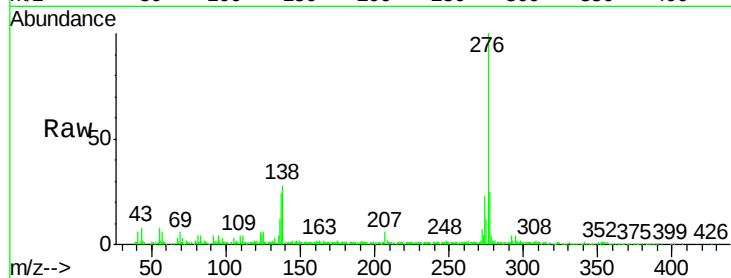
#91
 Benzo(g,h,i)perylene
 Concen: 31.65 ng m
 RT: 20.25 min Scan# 1677
 Delta R.T. -0.03 min
 Lab File: BF075565.D
 Acq: 16 Nov 2014 2:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(4-5)

Tgt Ion:	276	Resp:	333373
Ion Ratio		Lower	Upper
276	100		
277	24.9	17.8	26.8
138	28.2	22.8	34.2

Manual Integrations
 APPROVED

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 11/17/2014 7:38:42 PM



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

