

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075557.D
 Acq On : 15 Nov 2014 22:52
 Operator : TP / JJ
 Sample : F4695-01
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)

Manual Integrations
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Quant Time: Nov 16 07:06:33 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 18:46:55 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	51686	20.00	ng	-0.02
21) Naphthalene-d8	9.13	136	225043	20.00	ng	-0.02
38) Acenaphthene-d10	11.32	164	118773	20.00	ng	-0.02
63) Phenanthrene-d10	13.16	188	206293	20.00	ng	-0.03
75) Chrysene-d12	16.46	240	217814	20.00	ng	-0.08
86) Perylene-d12	18.19	264	233358	20.00	ng	-0.25
System Monitoring Compounds						
5) 2-Fluorophenol	5.84	112	324269	110.83	ng	-0.02
7) Phenol-d6	7.10	99	419475	119.23	ng	-0.01
23) Nitrobenzene-d5	8.24	82	239414	78.00	ng	-0.02
41) 2,4,6-Tribromophenol	12.30	330	102300	102.83	ng	-0.02
44) 2-Fluorobiphenyl	10.48	172	423061	64.36	ng	-0.01
78) Terphenyl-d14	15.16	244	446302m	55.16	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	9.16	128	815475	81.28	ng	98
37) 2-Methylnaphthalene	10.01	142	205037	29.95	ng	96
48) Acenaphthylene	11.13	152	37679	3.65	ng	# 91
49) Dimethylphthalate	10.97	163	63123	7.77	ng	# 93
70) Phenanthrene	13.19	178	143570	13.22	ng	98
71) Anthracene	13.25	178	42092	3.75	ng	96
73) Di-n-butylphthalate	13.90	149	301716	19.89	ng	99
74) Fluoranthene	14.68	202	167951	14.44	ng	93
77) Pyrene	14.95	202	234489m	18.52	ng	
80) Benzo(a)anthracene	16.44	228	118386m	10.35	ng	
82) Chrysene	16.48	228	115258	11.65	ng	97
83) Bis(2-ethylhexyl)phthalate	16.48	149	102432	9.14	ng	99
85) Indeno(1,2,3-cd)pyrene	19.74	276	58178m	4.85	ng	
87) Benzo(b)fluoranthene	17.73	252	149463	11.98	ng	99
88) Benzo(k)fluoranthene	17.75	252	23453m	2.09	ng	
89) Benzo(a)pyrene	18.12	252	90379	8.10	ng	95
91) Benzo(g,h,i)perylene	20.21	276	60451	5.44	ng	98

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

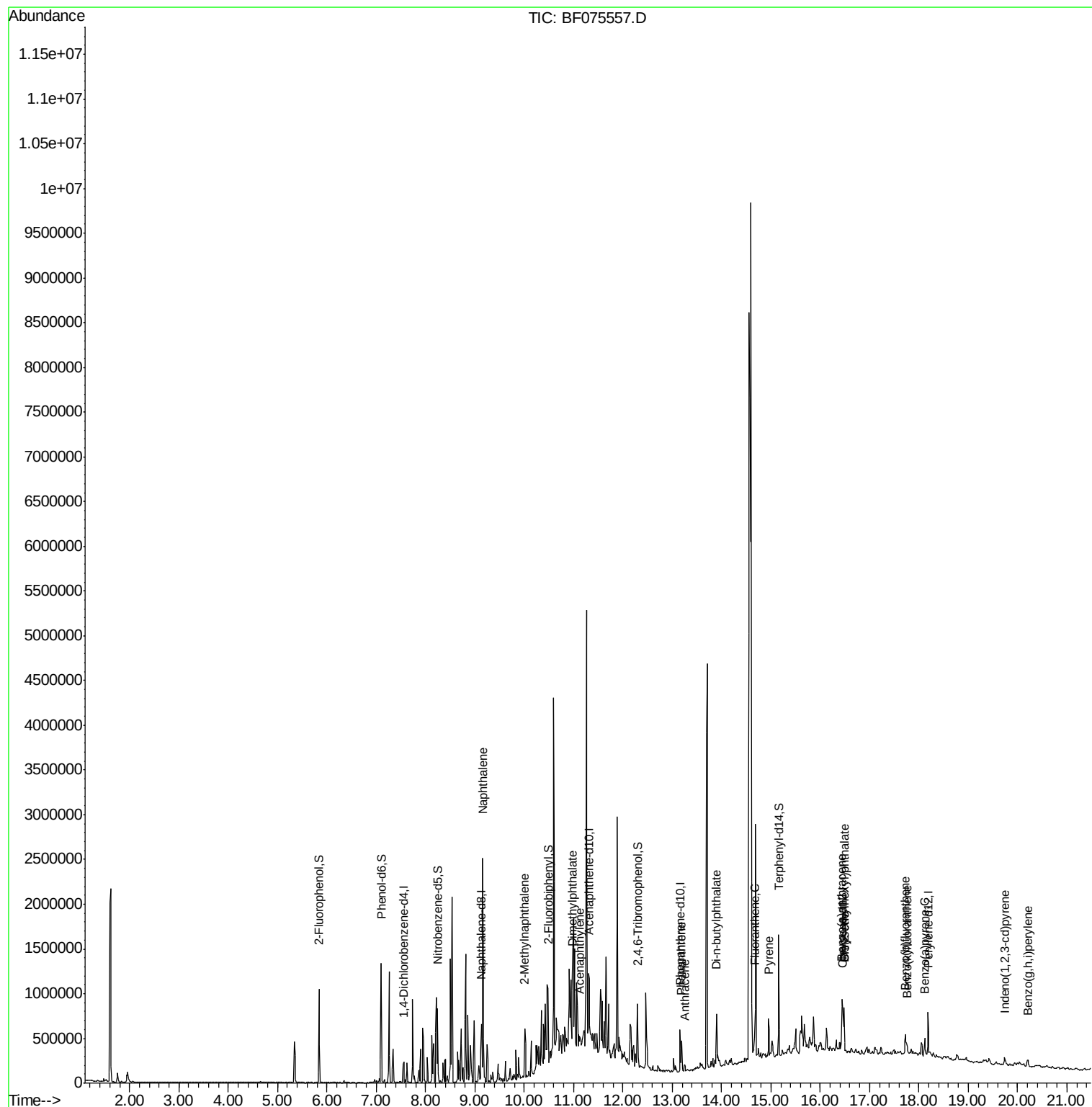
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075557.D
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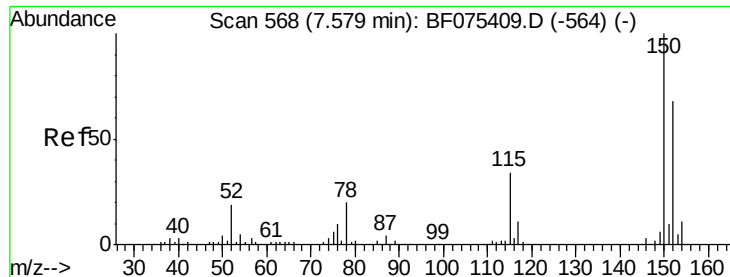
Instrument :
BNA_F
ClientSampled :
SB-75(5-7)

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Quant Time: Nov 16 07:06:33 2014
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 18:46:55 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

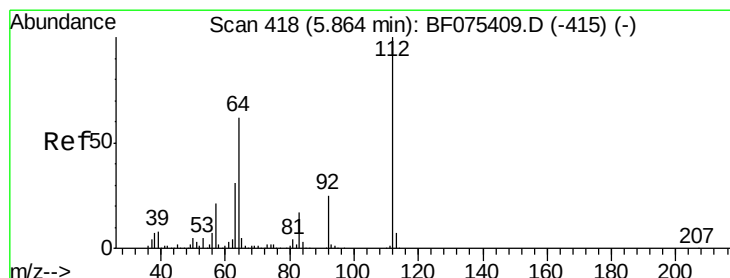
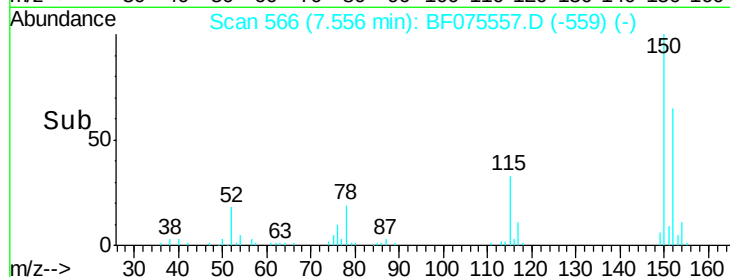
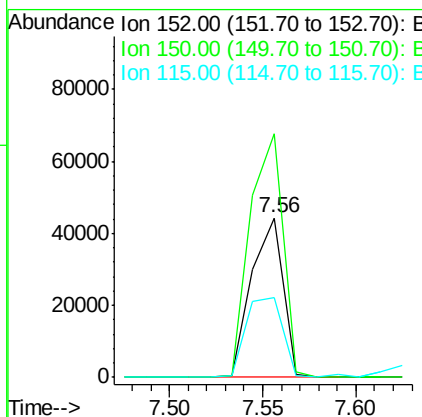
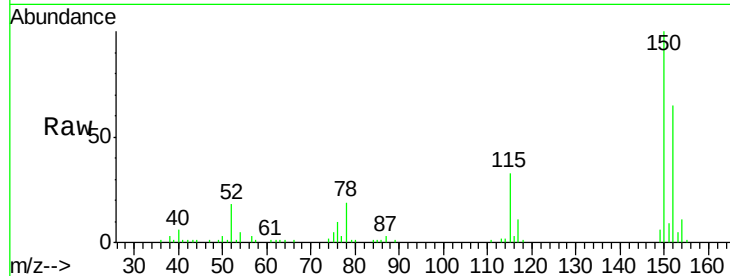
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.2	190.8
115	49.7	57.1	85.7



#5

2-Fluorophenol

Concen: 110.83 ng

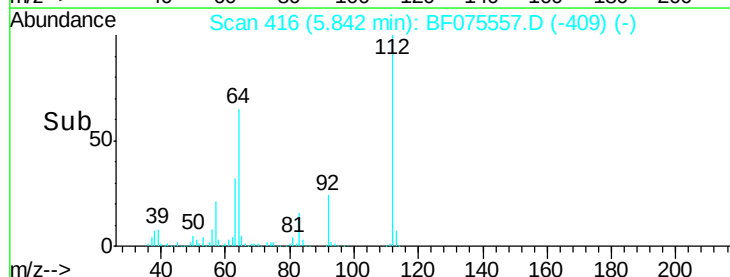
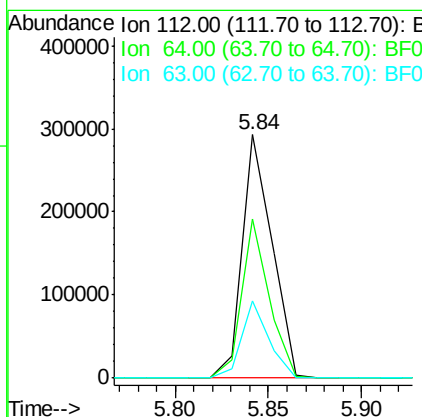
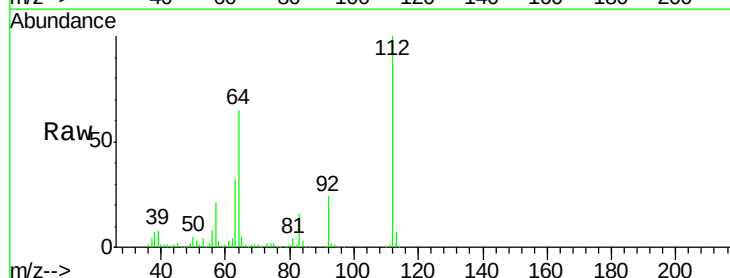
RT: 5.84 min Scan# 416

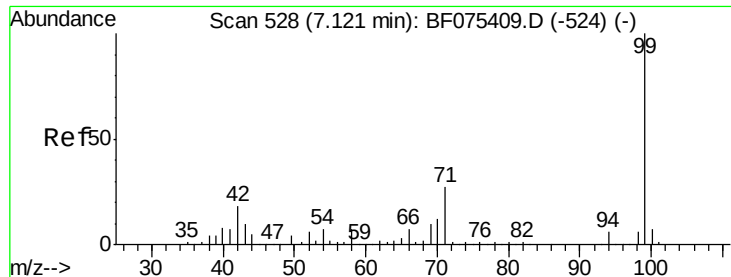
Delta R.T. -0.02 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	45.8	68.6
63	31.7	22.7	34.1





#7

Phenol-d6

Concen: 119.23 ng

RT: 7.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

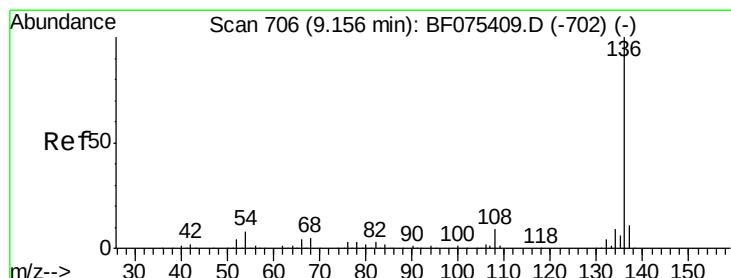
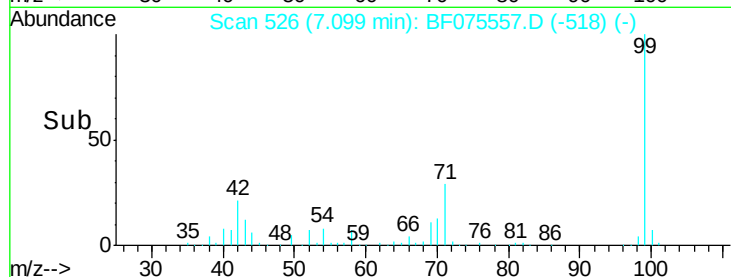
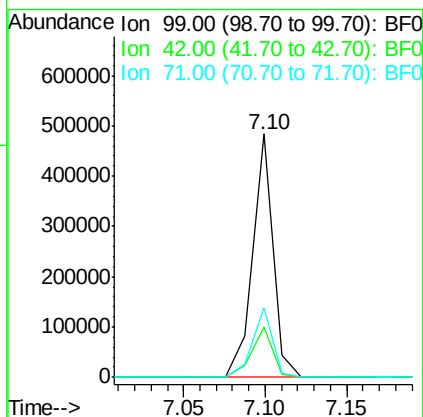
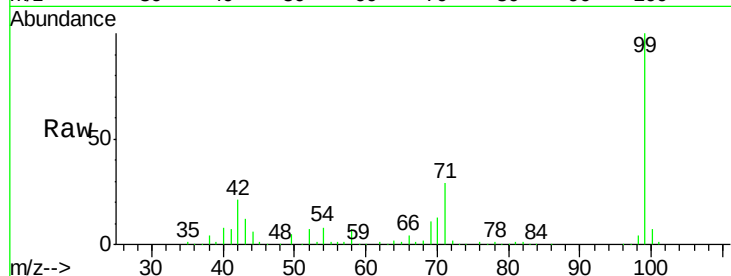
ClientSampleId :

SB-75(5-7)

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	419475		
42	20.8	19.8	29.6	
71	28.5	25.5	38.3	

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#21

Naphthalene-d8

Concen: 20.00 ng

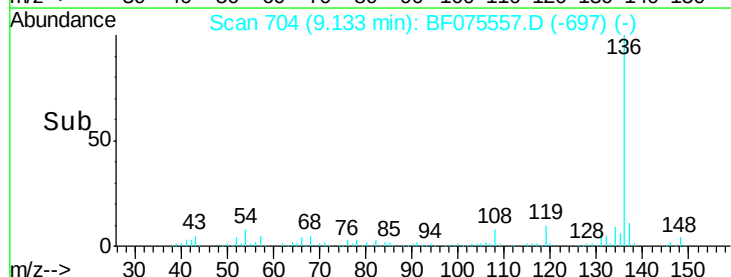
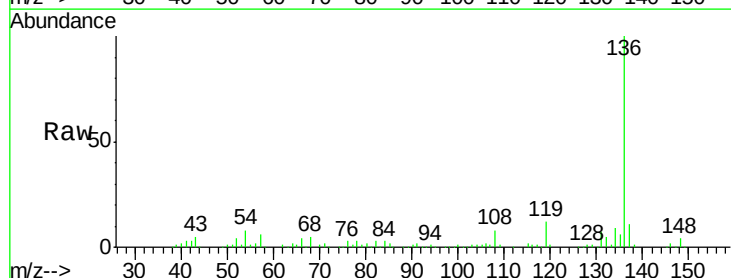
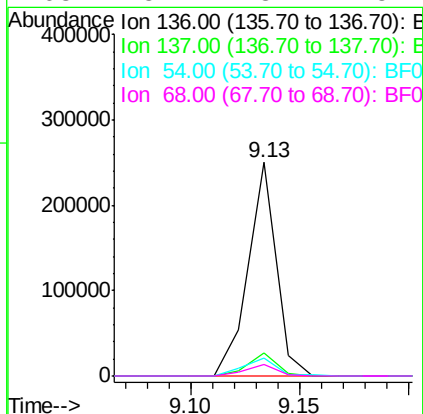
RT: 9.13 min Scan# 704

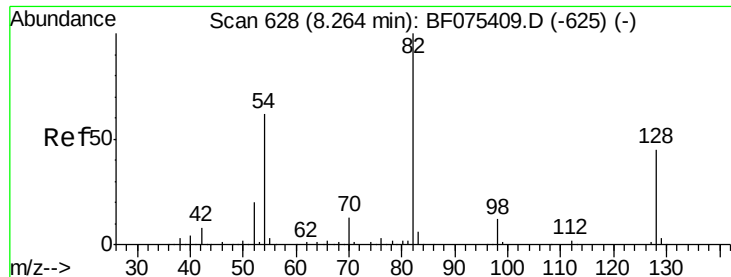
Delta R.T. -0.02 min

Lab File: BF075557.D

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Tgt Ion	Ratio	Resp	Lower	Upper
136	100	225043		
137	10.5	8.2	12.4	
54	8.5	6.2	9.4	
68	5.2	3.4	5.2#	





#23

Nitrobenzene-d5

Concen: 78.00 ng

RT: 8.24 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

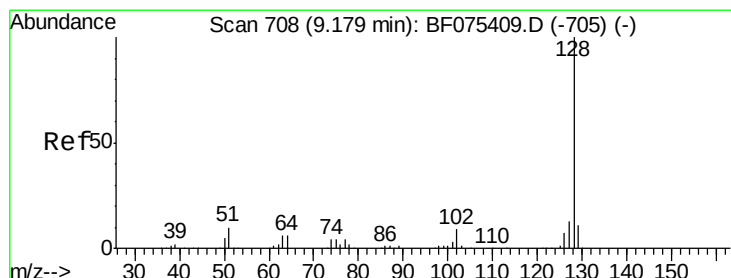
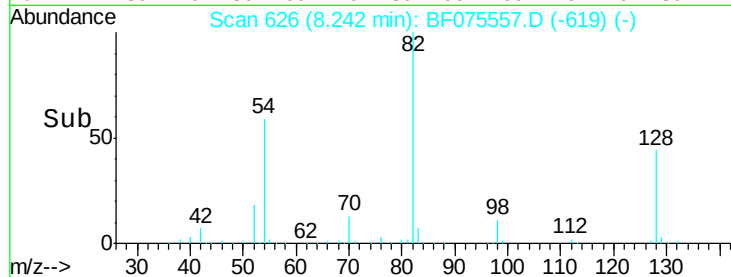
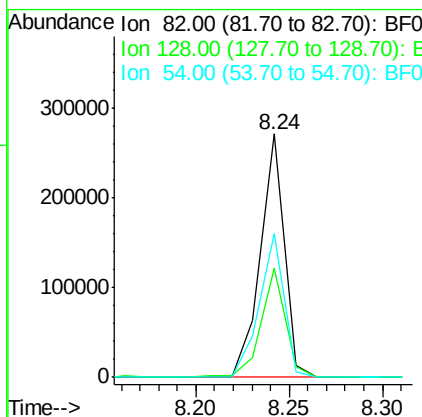
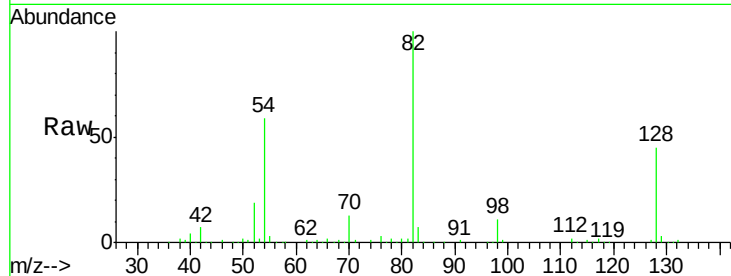
ClientSampleId :

SB-75(5-7)

Tgt Ion:	82	Resp:	239414
Ion Ratio	Lower	Upper	
82	100		
128	44.7	37.8	56.6
54	58.8	49.8	74.8

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#31

Naphthalene

Concen: 81.28 ng

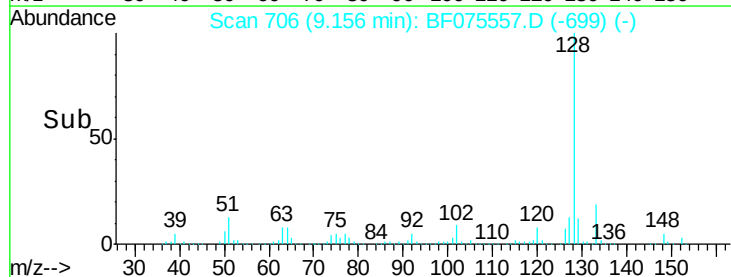
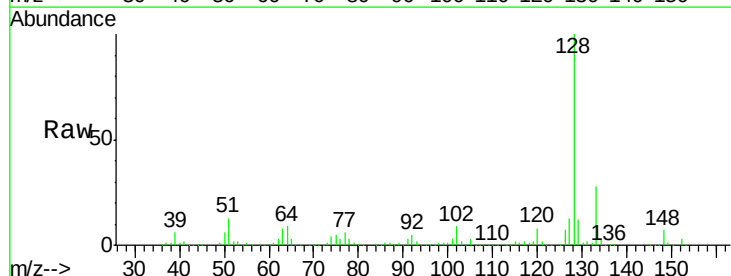
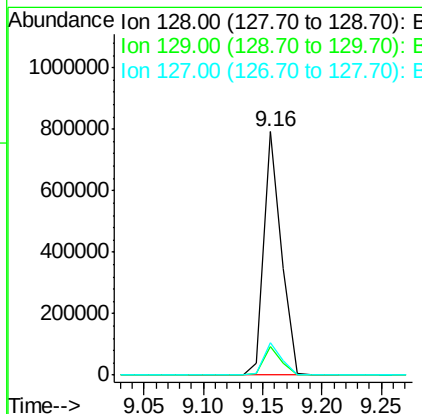
RT: 9.16 min Scan# 706

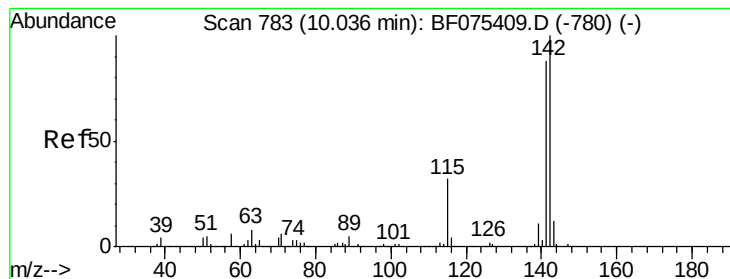
Delta R.T. -0.02 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Tgt Ion:	128	Resp:	815475
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.0	13.4
127	13.3	10.2	15.4





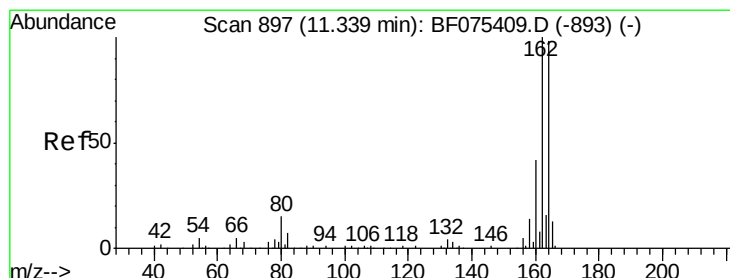
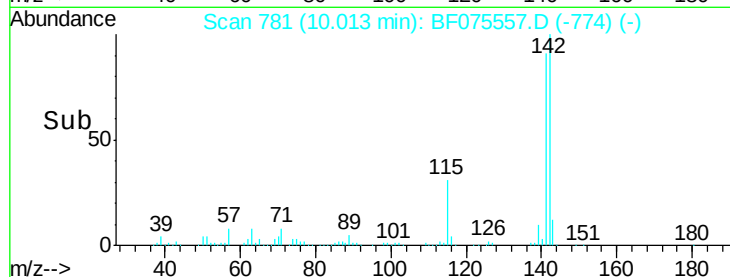
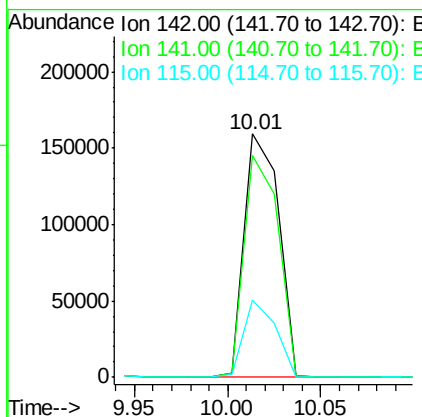
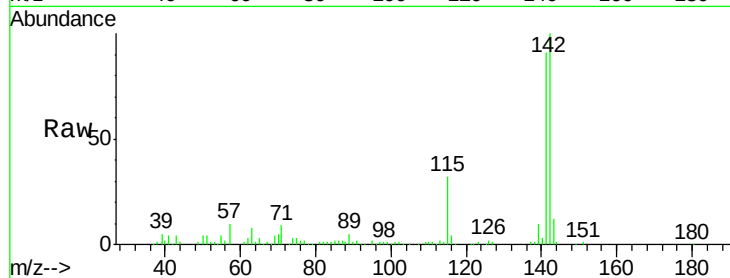
#37
2-Methylnaphthalene
Concen: 29.95 ng
RT: 10.01 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	69.9	104.9
115	31.6	27.6	41.4

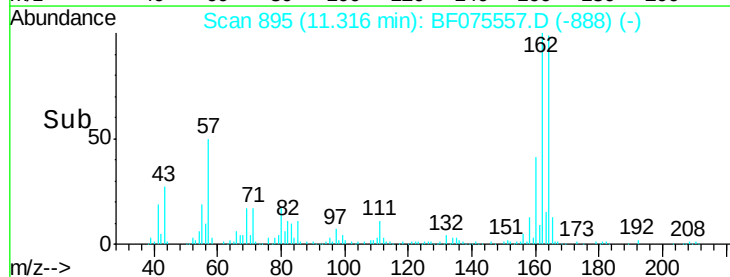
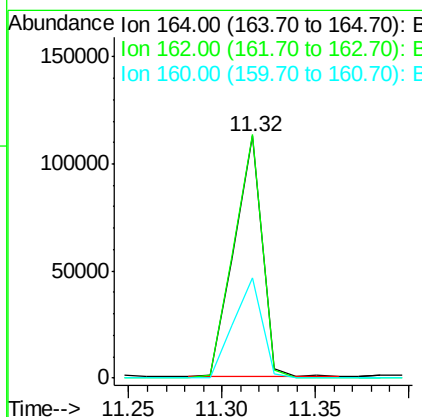
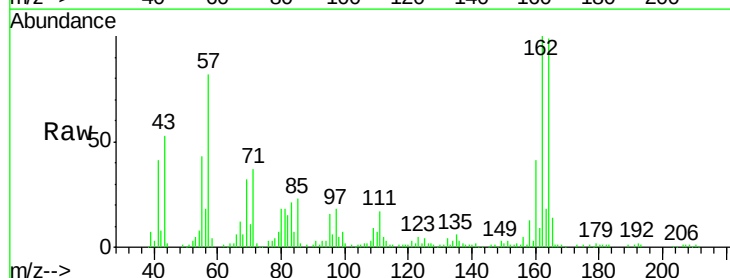
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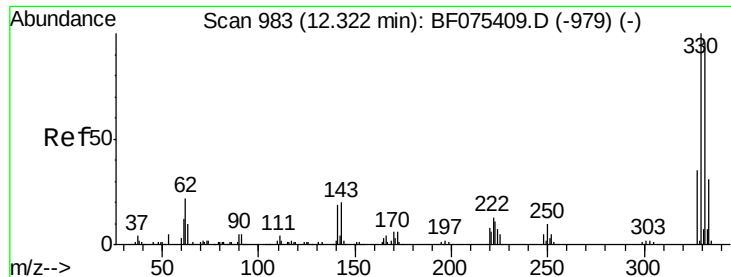
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.1	118.7
160	41.6	34.6	51.8





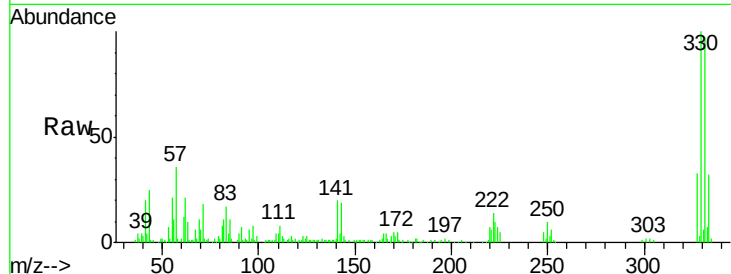
#41
 2,4,6-Tribromophenol
 Concen: 102.83 ng
 RT: 12.30 min Scan# 981
 Delta R.T. -0.02 min
 Lab File: BF075557.D
 Acq: 15 Nov 2014 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	102300		
332	97.7	74.5	111.7	
141	39.5	30.7	46.1	

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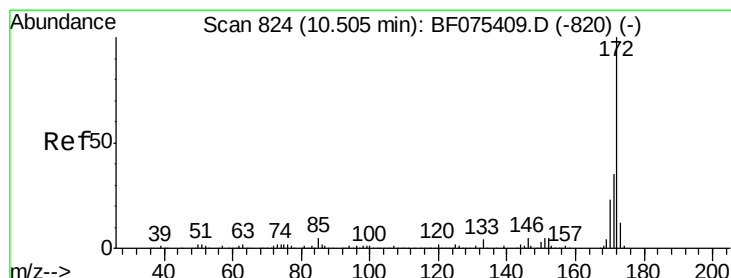
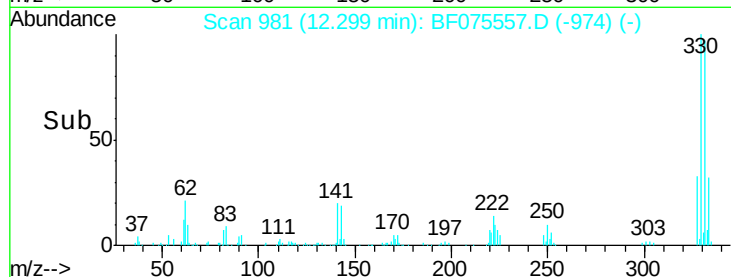
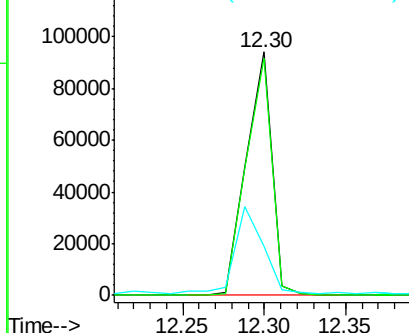


Abundance

Ion 329.80 (329.50 to 330.50): E

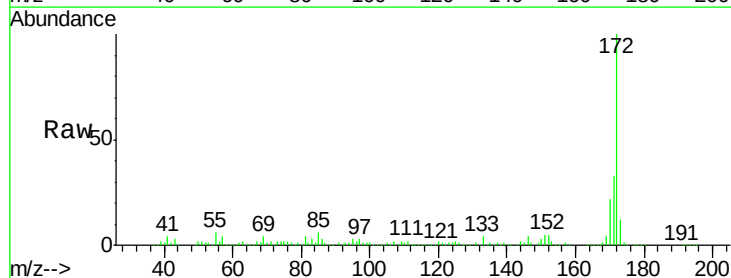
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 64.36 ng
 RT: 10.48 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF075557.D
 Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	423061		
171	32.8	27.3	40.9	
170	22.0	18.4	27.6	

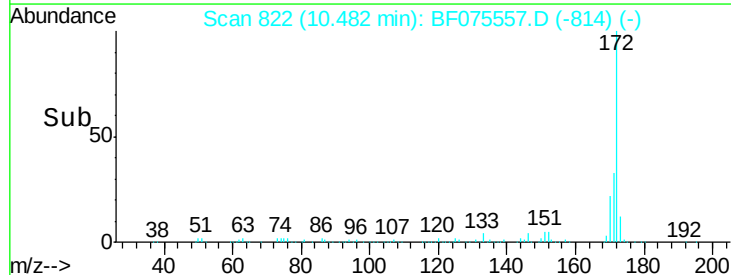
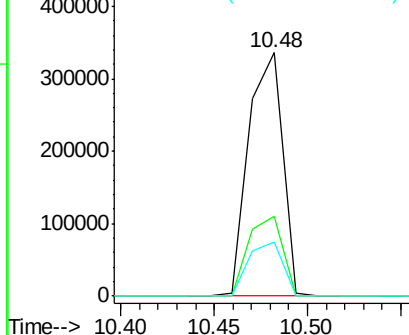


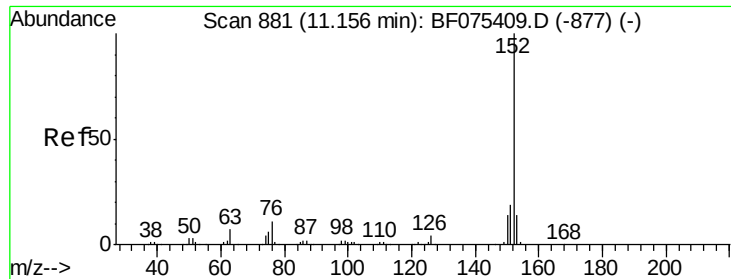
Abundance

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





#48

Acenaphthylene

Concen: 3.65 ng

RT: 11.13 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF075557.D

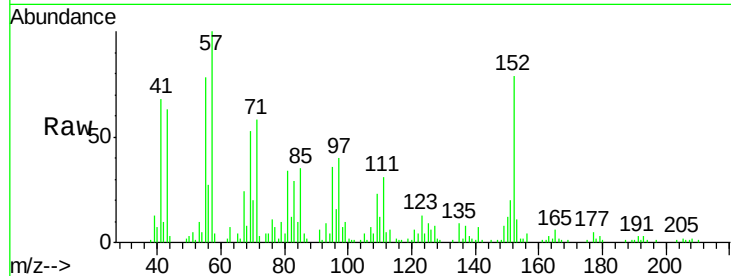
Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

ClientSampleId :

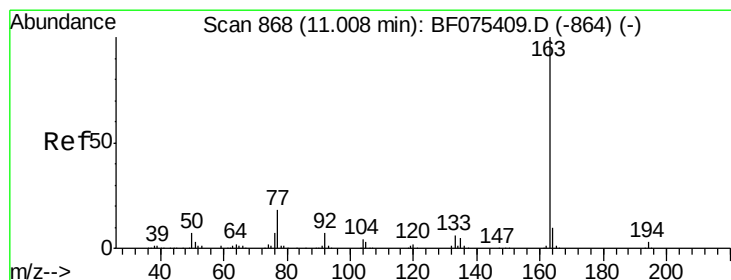
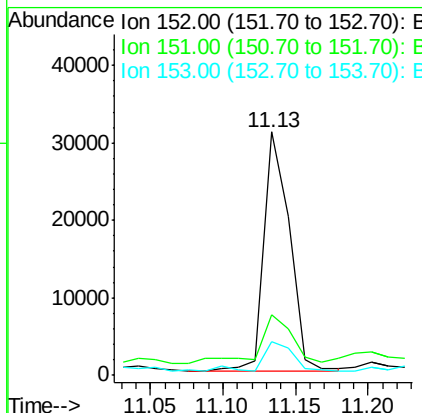
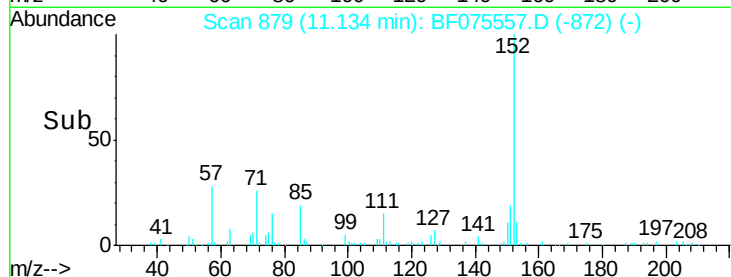
SB-75(5-7)



Tgt Ion:	152	Resp:	37679
Ion Ratio	Lower	Upper	
152	100		
151	24.8	15.4	23.2#
153	13.8	10.0	15.0

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#49

Dimethylphthalate

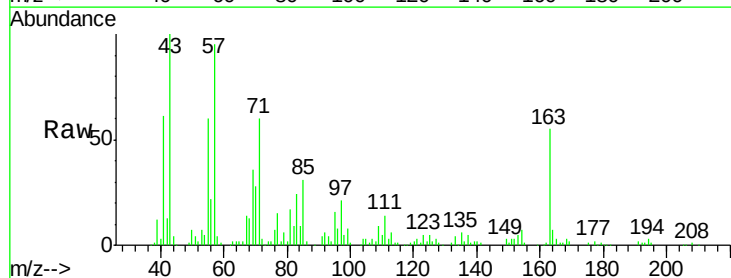
Concen: 7.77 ng

RT: 10.97 min Scan# 865

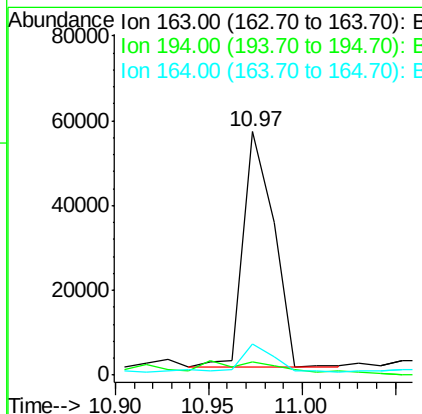
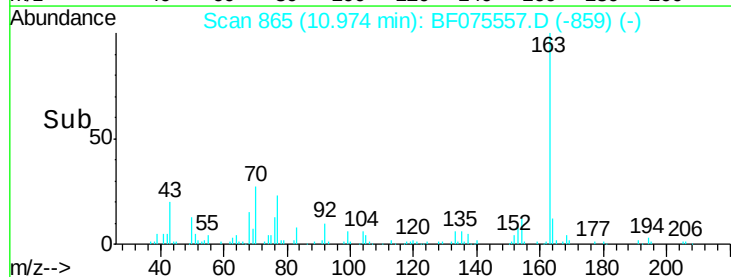
Delta R.T. -0.03 min

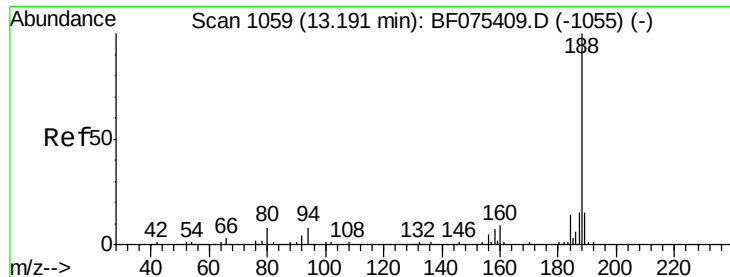
Lab File: BF075557.D

Acq: 15 Nov 2014 22:52



Tgt Ion:	163	Resp:	63123
Ion Ratio	Lower	Upper	
163	100		
194	5.2	2.7	4.1#
164	13.0	8.0	12.0#





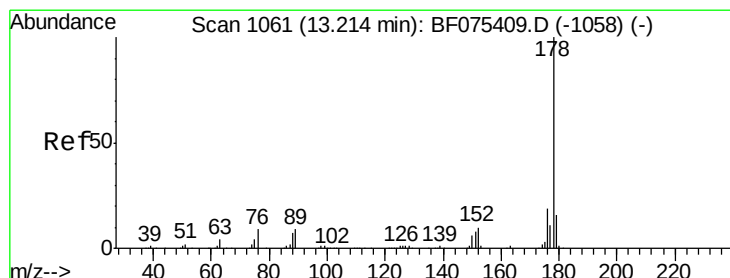
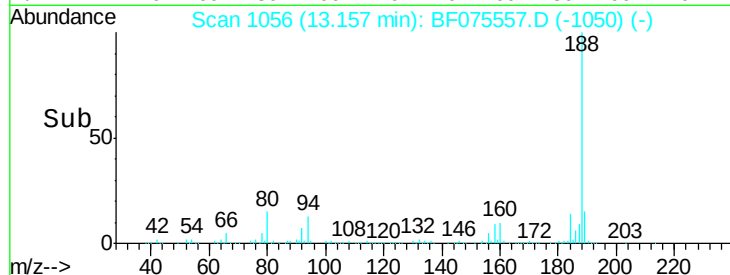
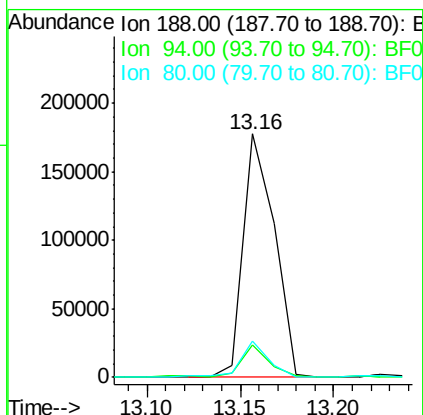
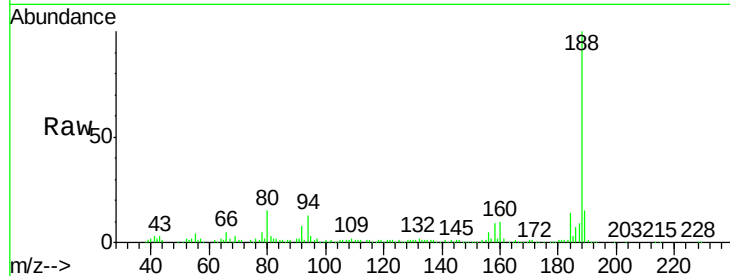
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.16 min Scan# 1056
Delta R.T. -0.03 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.2	7.8	11.6#
80	15.0	8.0	12.0#

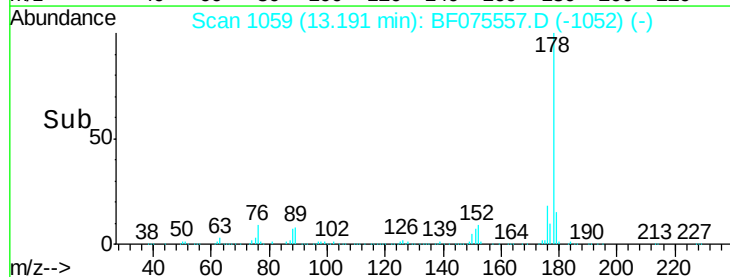
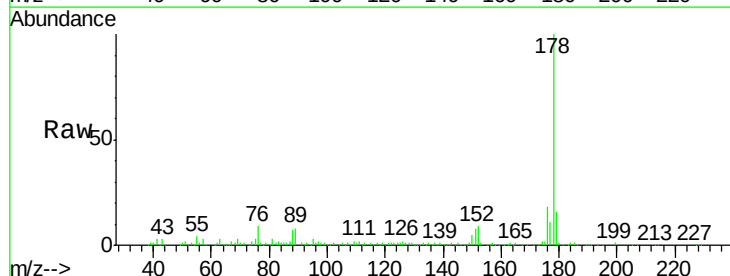
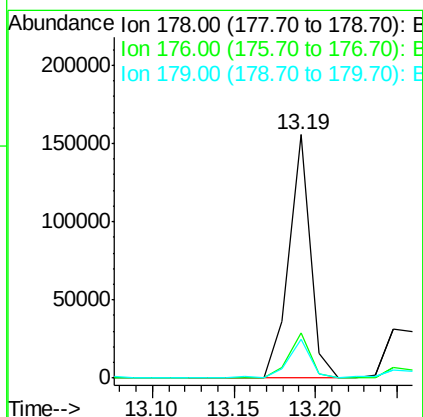
Manual Integrations
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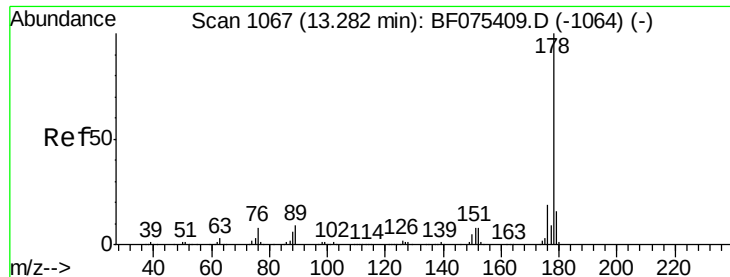
mohammad
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#70
Phenanthrene
Concen: 13.22 ng
RT: 13.19 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	15.3	22.9
179	15.9	12.2	18.4





#71

Anthracene

Concen: 3.75 ng

RT: 13.25 min Scan# 1064

Delta R.T. -0.03 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

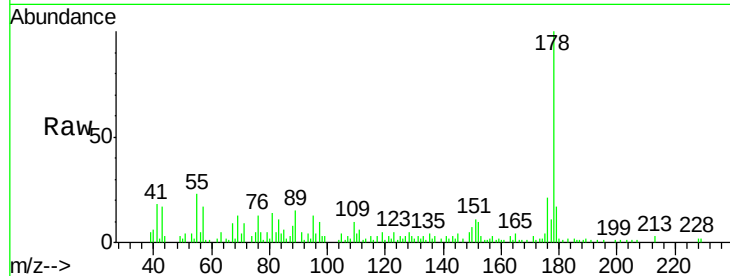
ClientSampleId :

SB-75(5-7)

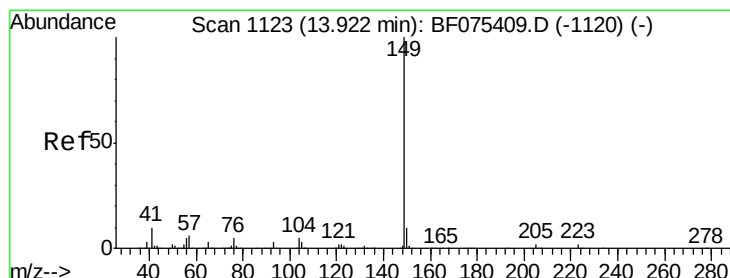
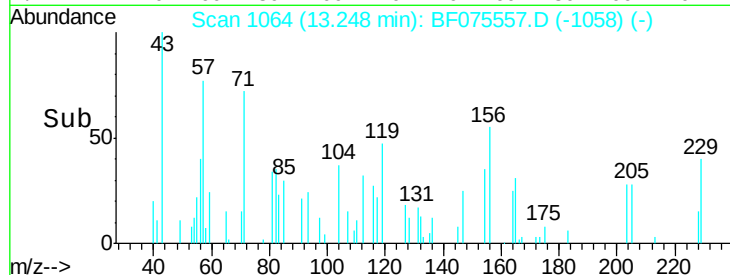
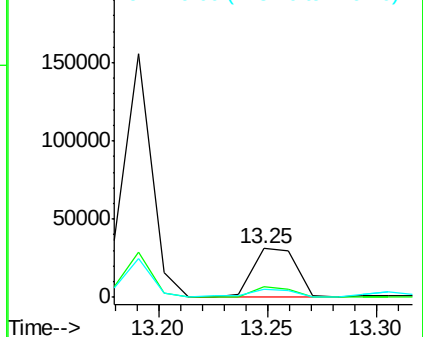
Tgt Ion:	178	Resp:	42092
Ion Ratio	Lower	Upper	
178	100		
176	20.9	15.1	22.7
179	16.9	12.2	18.2

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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



#73

Di-n-butylphthalate

Concen: 19.89 ng

RT: 13.90 min Scan# 1121

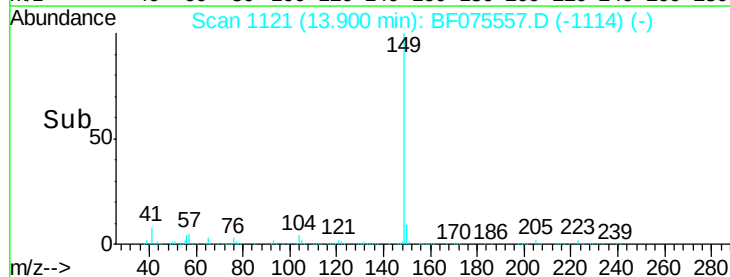
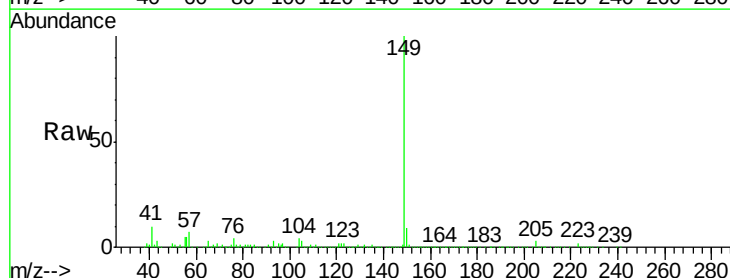
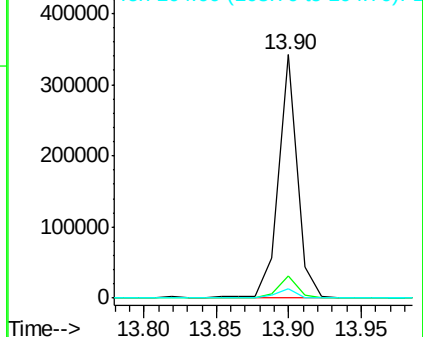
Delta R.T. -0.02 min

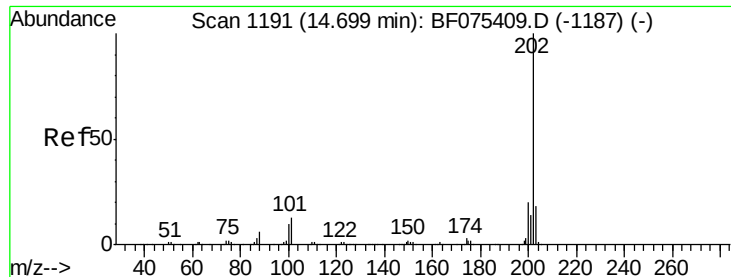
Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Tgt Ion:	149	Resp:	301716
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.3	10.9
104	4.1	3.1	4.7

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 14.44 ng

RT: 14.68 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

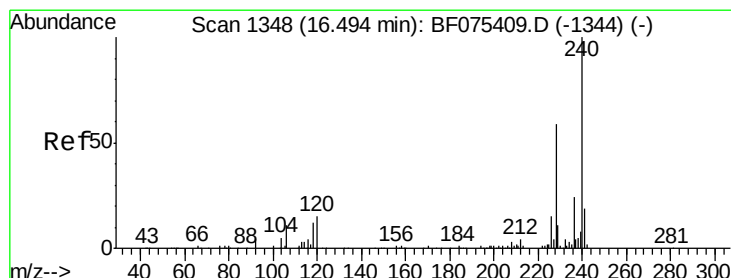
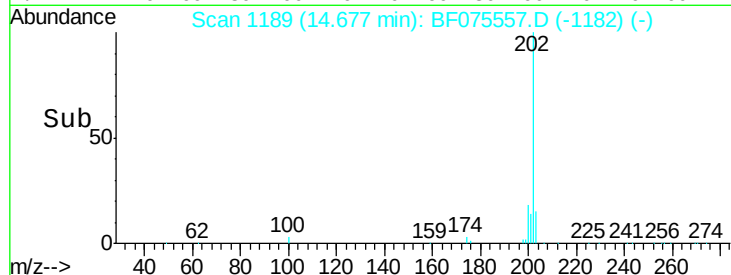
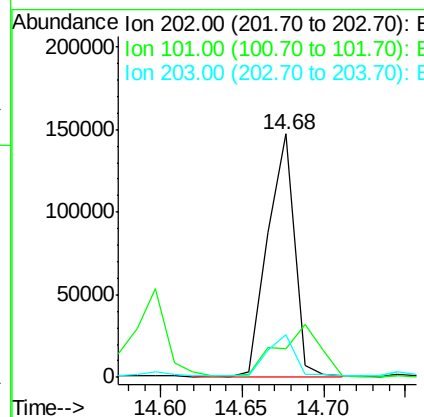
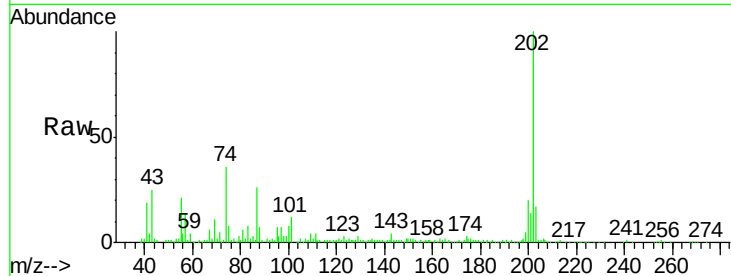
ClientSampleId :

SB-75(5-7)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		167951		
101	11.6	0.0	36.6		
203	17.4	0.0	38.2		

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#75

Chrysene-d12

Concen: 20.00 ng

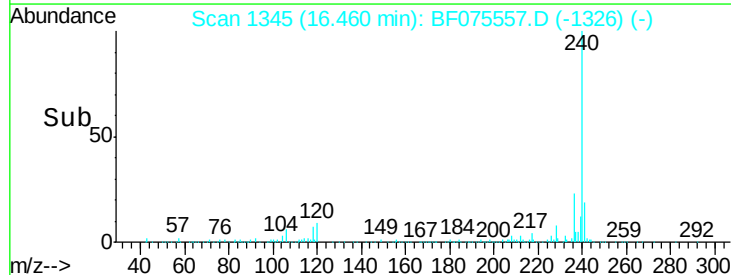
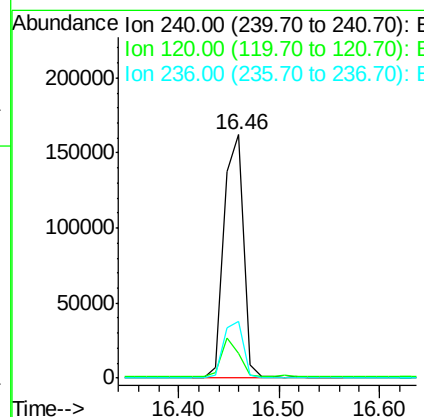
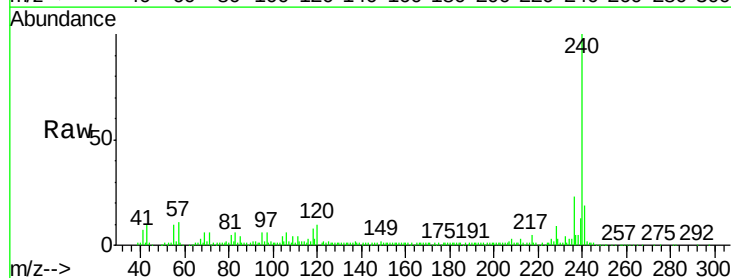
RT: 16.46 min Scan# 1345

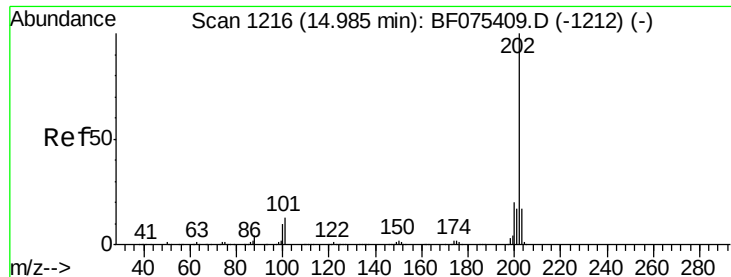
Delta R.T. -0.08 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		217814		
120	10.1	9.6	14.4		
236	23.4	18.9	28.3		





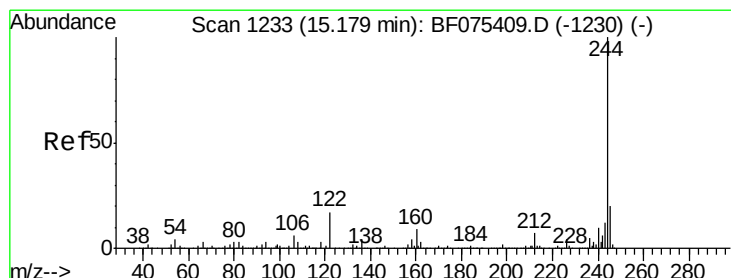
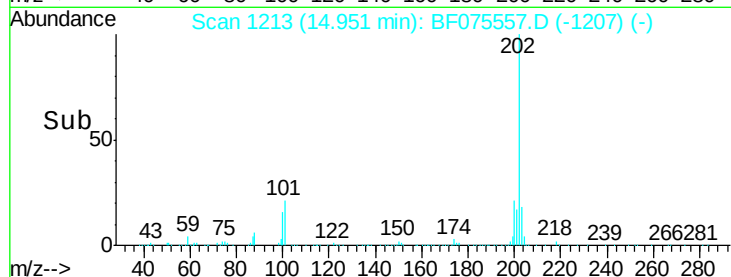
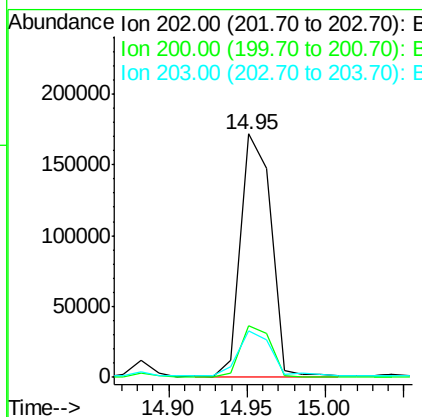
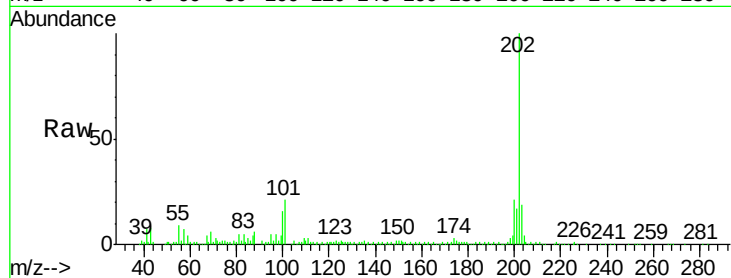
#77
 Pyrene
 Concen: 18.52 ng m
 RT: 14.95 min Scan# 1213
 Delta R.T. -0.03 min
 Lab File: BF075557.D
 Acq: 15 Nov 2014 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	234489		
200	21.2	16.8	25.2	
203	19.3	14.3	21.5	

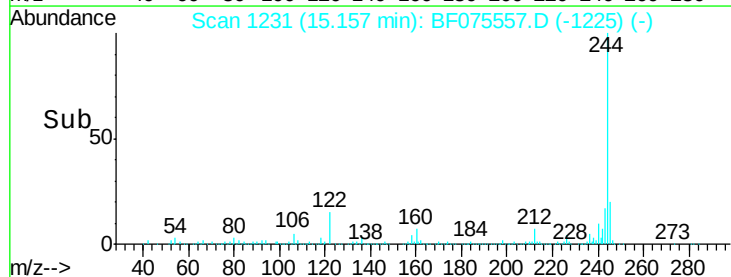
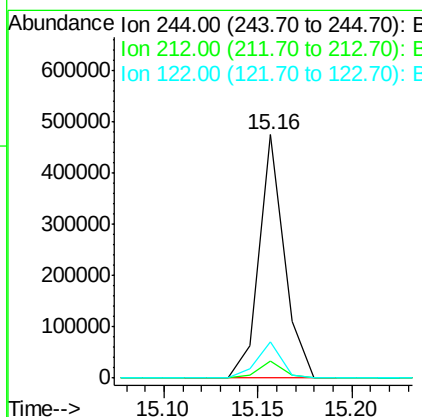
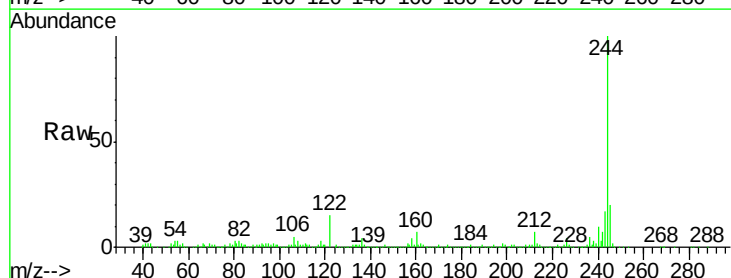
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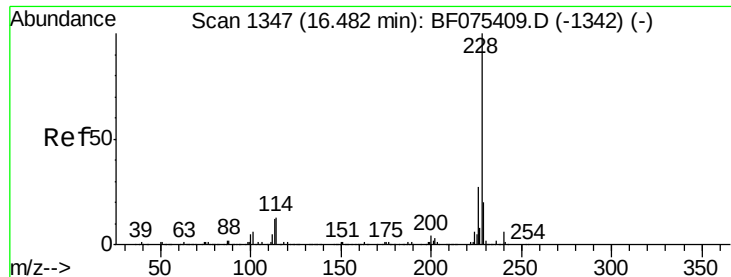
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#78
 Terphenyl-d14
 Concen: 55.16 ng m
 RT: 15.16 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: BF075557.D
 Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	446302		
212	6.8	5.5	8.3	
122	15.0	9.7	14.5#	





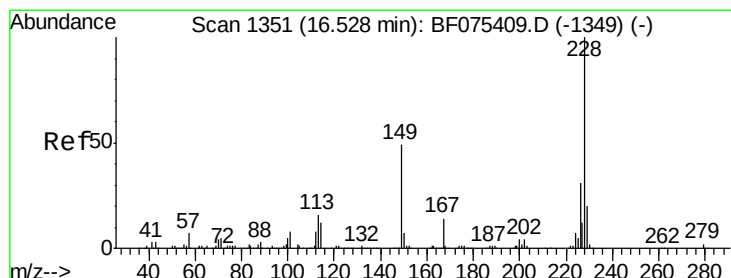
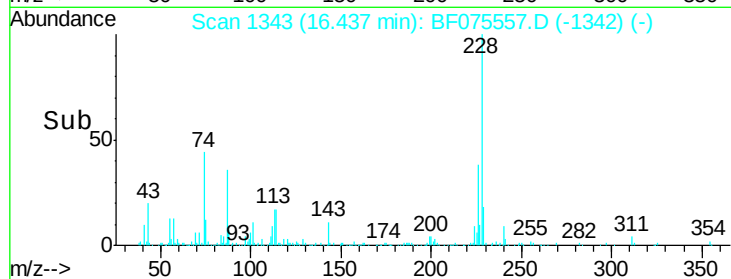
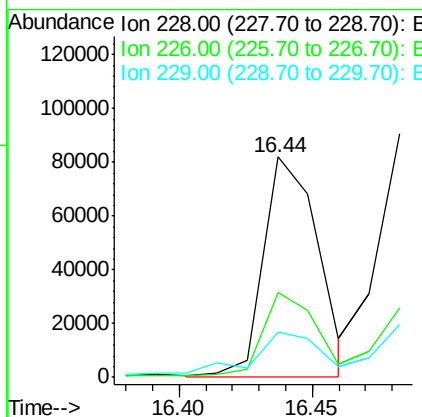
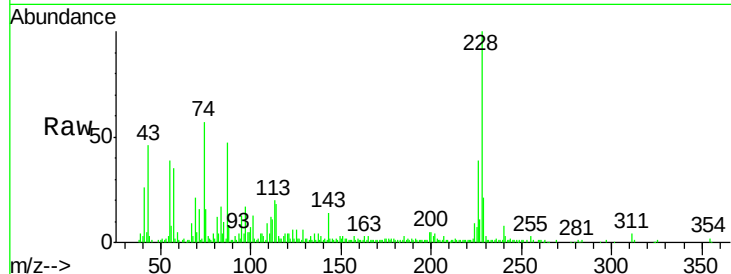
#80
Benzo(a)anthracene
Concen: 10.35 ng m
RT: 16.44 min Scan# 1343
Delta R.T. -0.09 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.6	21.8	32.8#
229	20.6	15.3	22.9

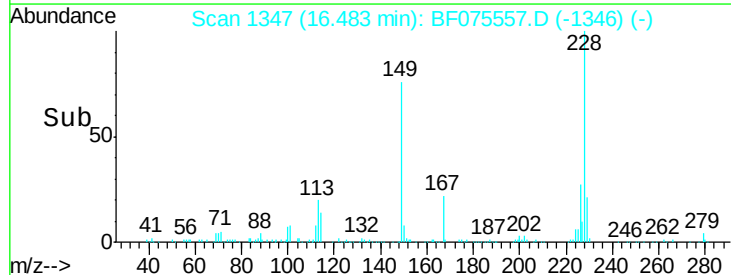
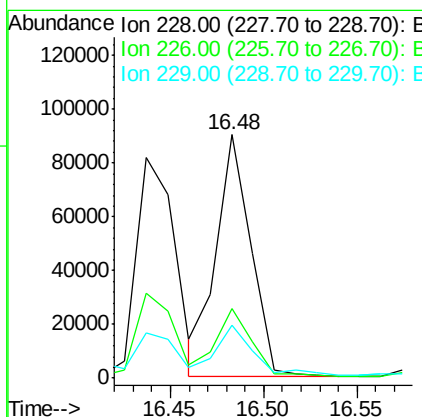
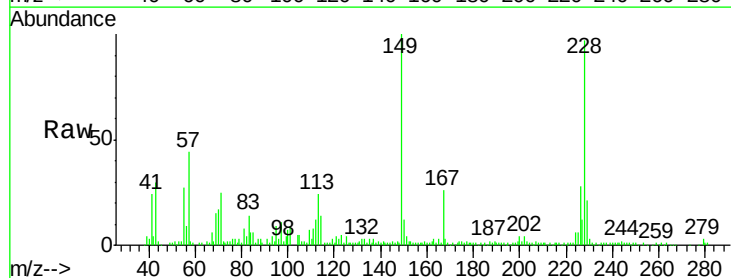
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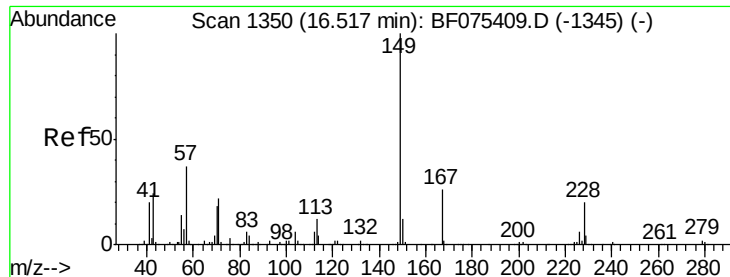
mohammad
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#82
Chrysene
Concen: 11.65 ng
RT: 16.48 min Scan# 1347
Delta R.T. -0.09 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.8	35.6
229	21.8	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 9.14 ng

RT: 16.48 min Scan# 1347

Delta R.T. -0.09 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

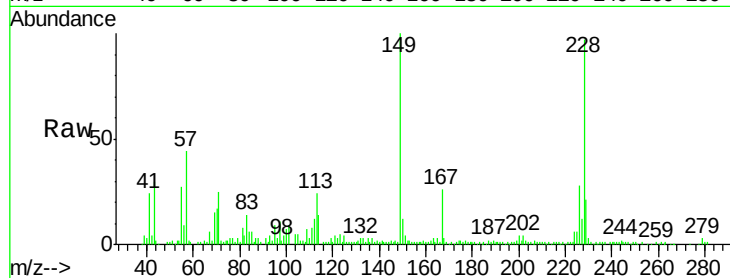
ClientSampleId :

SB-75(5-7)

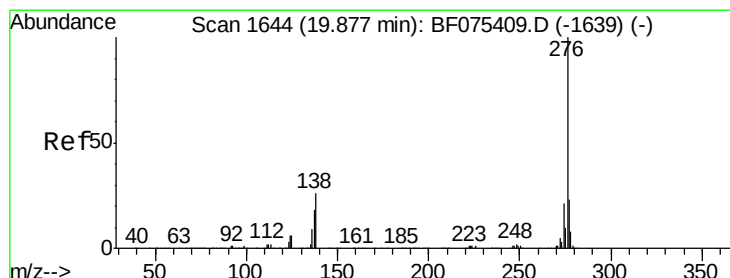
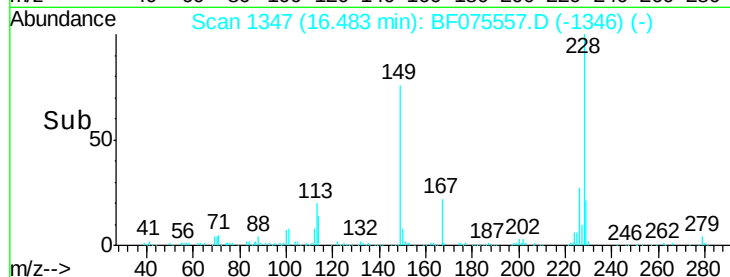
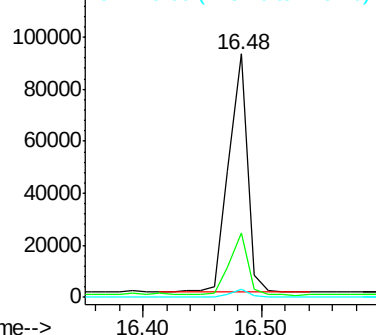
Tgt Ion:	149	Resp:	102432
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.4	32.2
279	3.4	2.8	4.2

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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: 4.85 ng m

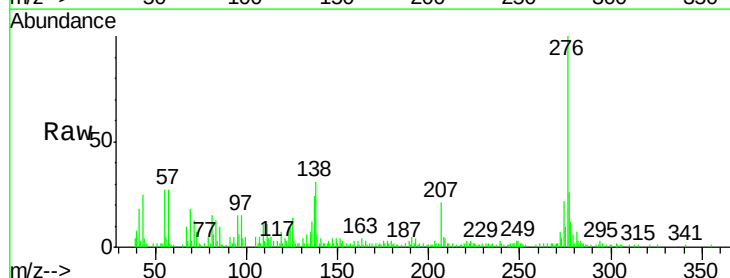
RT: 19.74 min Scan# 1632

Delta R.T. -0.30 min

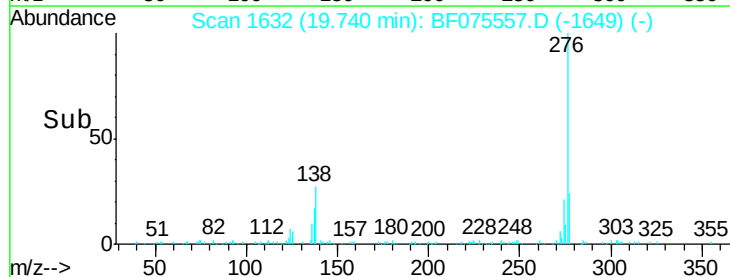
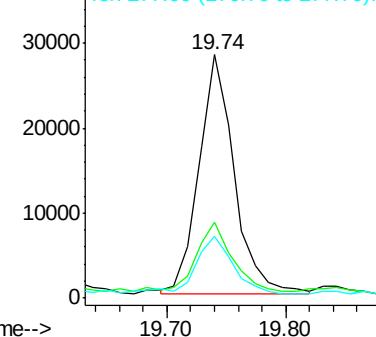
Lab File: BF075557.D

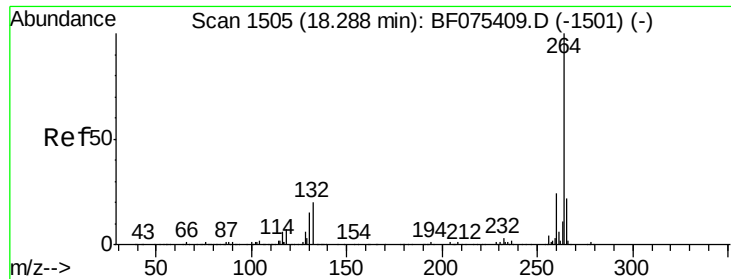
Acq: 15 Nov 2014 22:52

Tgt Ion:	276	Resp:	58178
Ion Ratio	Lower	Upper	
276	100		
138	7.2	0.0	0.0#
277	3.7	0.0	0.0#



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





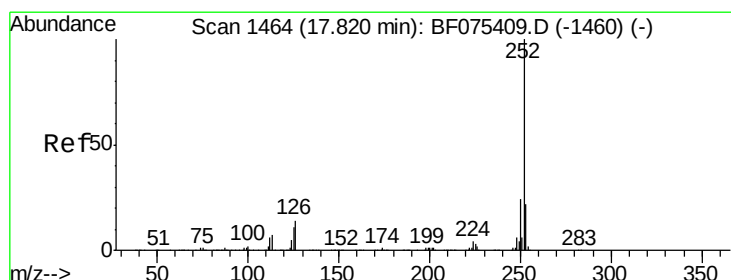
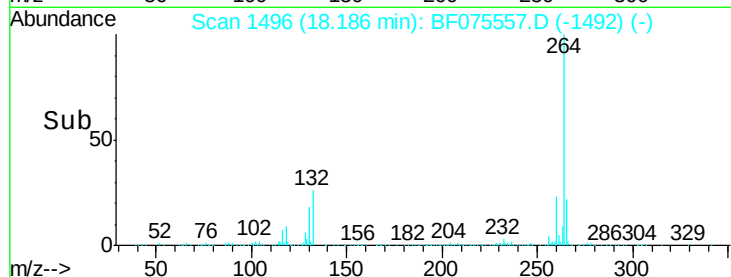
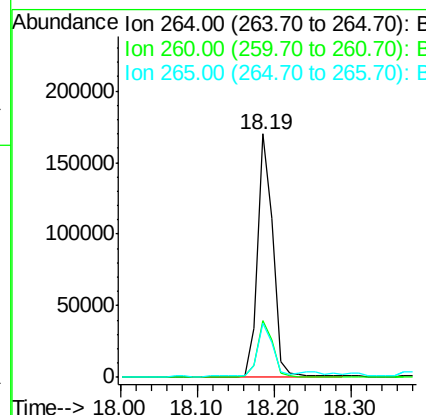
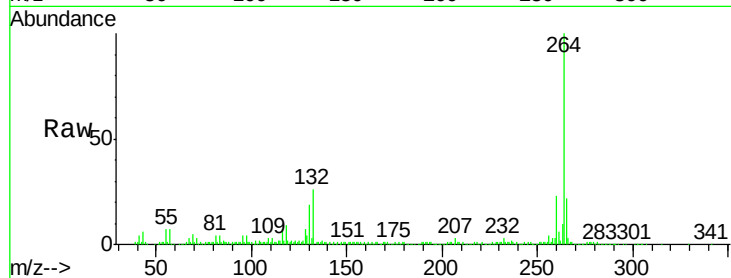
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.19 min Scan# 1496
Delta R.T. -0.25 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.9	26.9
265	22.3	16.3	24.5

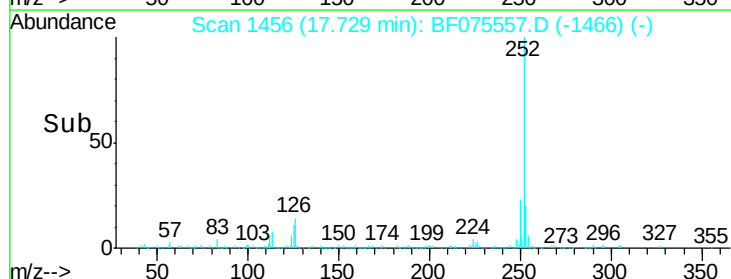
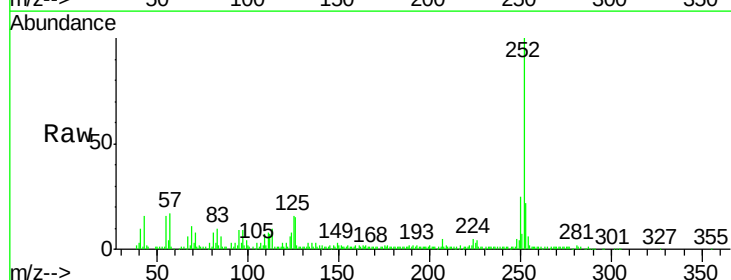
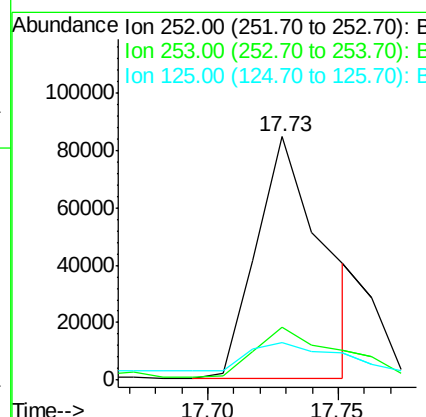
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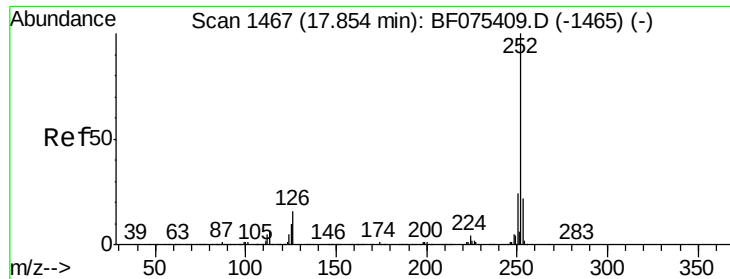
mohammad
11/17/2014 7:37:55 PM



#87
Benzo(b)fluoranthene
Concen: 11.98 ng
RT: 17.73 min Scan# 1456
Delta R.T. -0.22 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	15.7	11.8	17.6





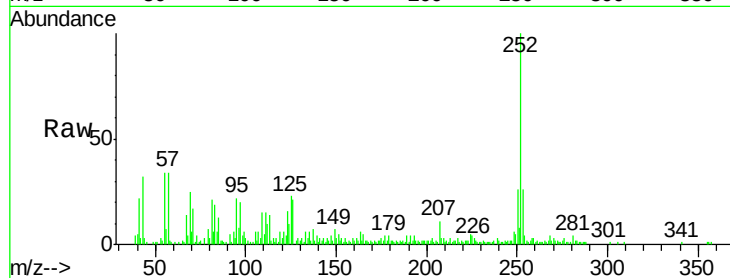
#88
Benzo(k)fluoranthene
Concen: 2.09 ng m
RT: 17.75 min Scan# 1458
Delta R.T. -0.23 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)

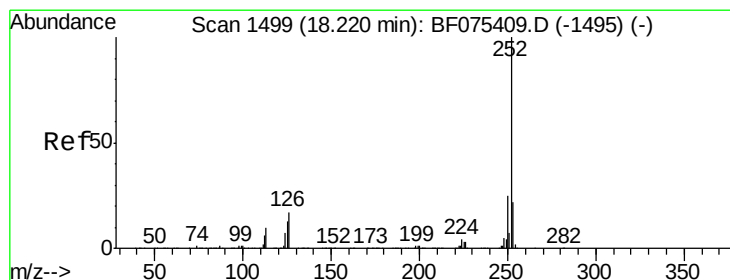
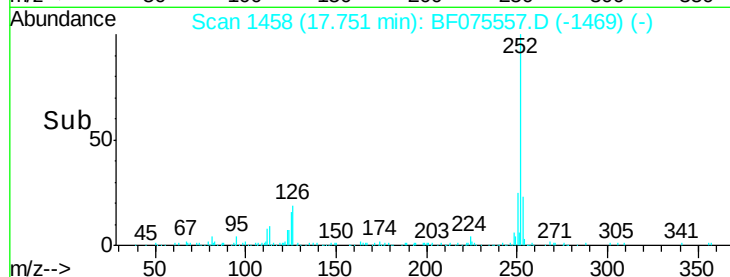
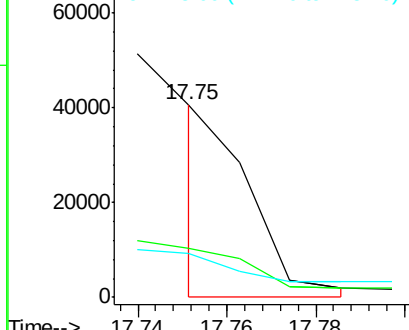
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	23.1	11.6	17.4

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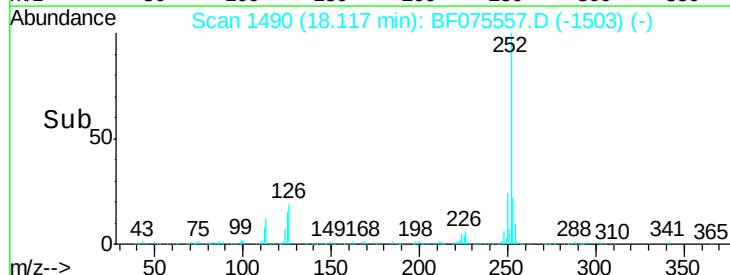
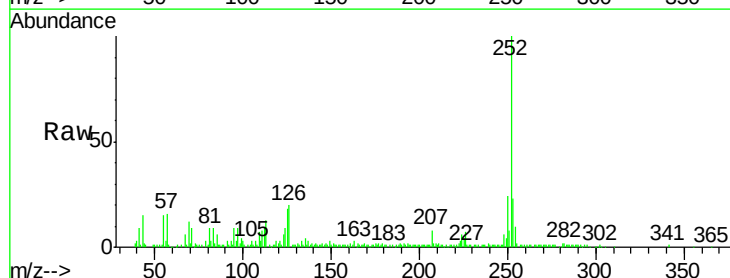
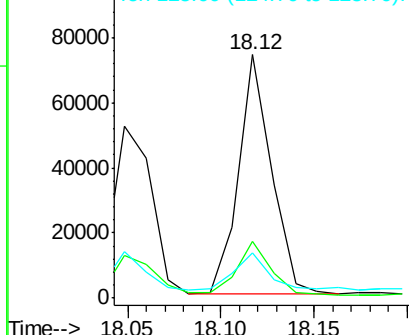
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

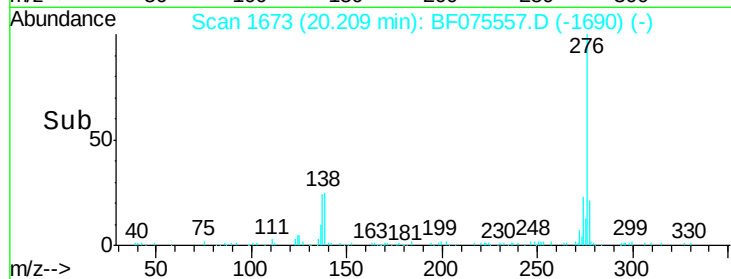
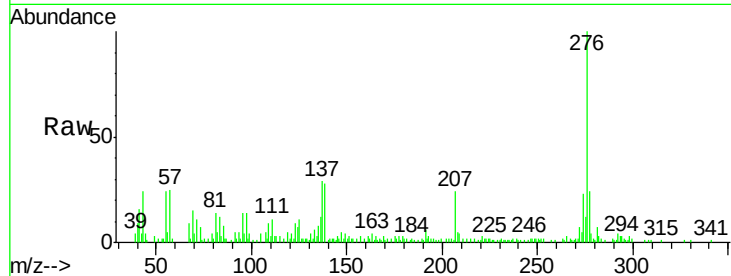
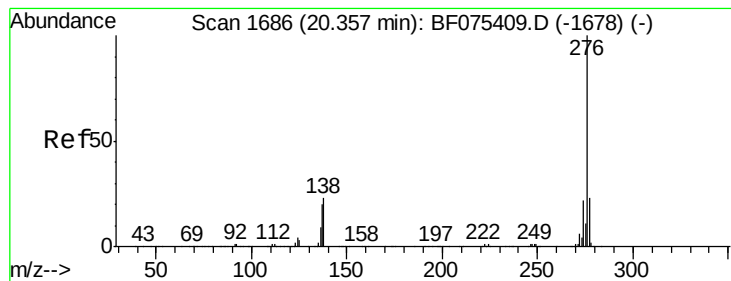


#89
Benzo(a)pyrene
Concen: 8.10 ng
RT: 18.12 min Scan# 1490
Delta R.T. -0.25 min
Lab File: BF075557.D
Acq: 15 Nov 2014 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	18.3	12.2	18.4

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: 5.44 ng

RT: 20.21 min Scan# 1673

Delta R.T. -0.30 min

Lab File: BF075557.D

Acq: 15 Nov 2014 22:52

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)

Tgt Ion:	276	Resp:	60451
Ion Ratio	Lower	Upper	
276	100		
277	23.6	17.8	26.8
138	27.8	22.8	34.2

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