

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081263.D
 Acq On : 28 Aug 2015 5:14
 Operator : UM/IZ
 Sample : G3430-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3(3-4)

Manual Integrations
 APPROVED

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 8/28/2015 2:23:19 PM

Quant Time: Aug 28 12:08:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	49177	20.00	ng	-0.04
21) Naphthalene-d8	7.79	136	191507	20.00	ng	-0.04
38) Acenaphthene-d10	9.53	164	95862	20.00	ng	-0.05
63) Phenanthrene-d10	10.99	188	172929	20.00	ng	-0.05
75) Chrysene-d12	13.61	240	123658	20.00	ng	-0.05
86) Perylene-d12	14.94	264	95557	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	323696	99.00	ng	-0.04
7) Phenol-d6	6.16	99	493136	115.60	ng	-0.04
23) Nitrobenzene-d5	7.07	82	270510	64.53	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	94600	113.84	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	413522	56.52	ng	-0.04
78) Terphenyl-d14	12.58	244	358480	62.15	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.39	152	35507	2.93	ng	99
49) Dimethylphthalate	9.27	163	66265	8.39	ng	100
70) Phenanthrene	11.02	178	125261	12.22	ng	99
71) Anthracene	11.07	178	33897	3.40	ng	98
72) Carbazole	11.23	167	35879	3.74	ng	98
74) Fluoranthene	12.21	202	448838	40.59	ng	98
77) Pyrene	12.42	202	335761	33.40	ng	99
80) Benzo(a)anthracene	13.60	228	194052	23.40	ng	94
82) Chrysene	13.64	228	124248m	16.62	ng	
83) Bis(2-ethylhexyl)phthalate	13.62	149	26115	4.72	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.09	276	77156	14.70	ng	95
87) Benzo(b)fluoranthene	14.60	252	162196m	24.00	ng	
88) Benzo(k)fluoranthene	14.61	252	60120m	9.55	ng	
89) Benzo(a)pyrene	14.89	252	105478	17.91	ng	95
90) Dibenzo(a,h)anthracene	16.09	278	17727m	3.86	ng	
91) Benzo(g,h,i)perylene	16.44	276	66656	14.32	ng	# 93

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

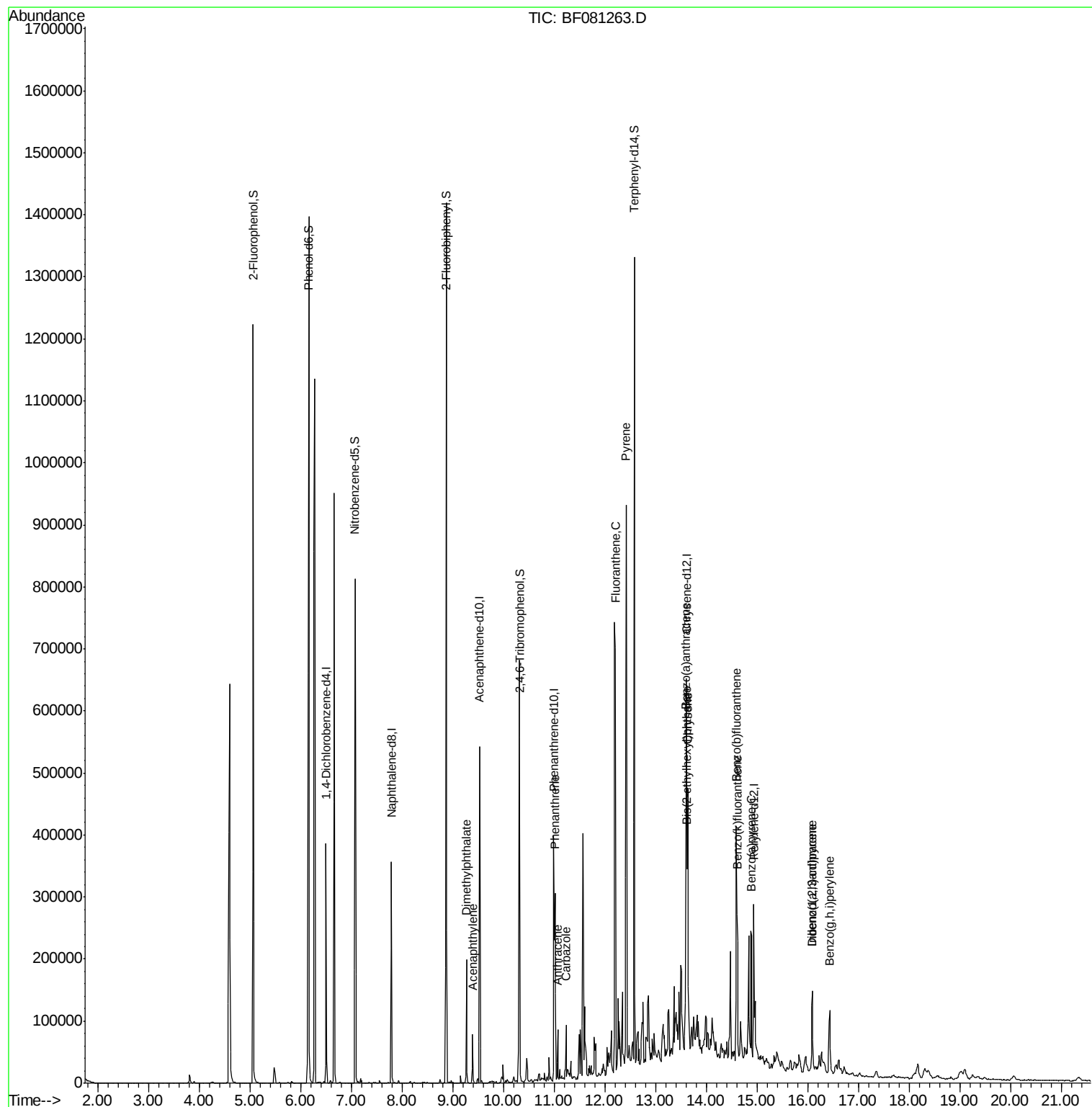
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081263.D
Acq On : 28 Aug 2015 5:14
Operator : UM/IZ
Sample : G3430-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

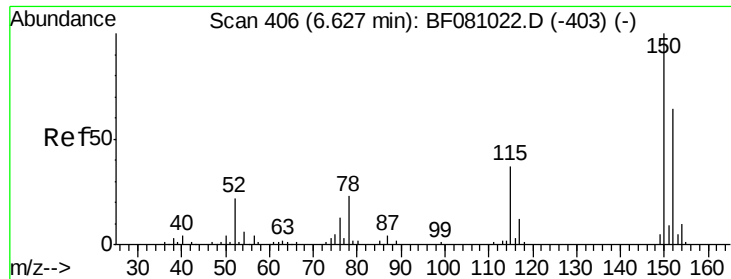
Instrument :
BNA_F
ClientSampled :
SB3(3-4)

Manual Integrations
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Quant Time: Aug 28 12:08:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

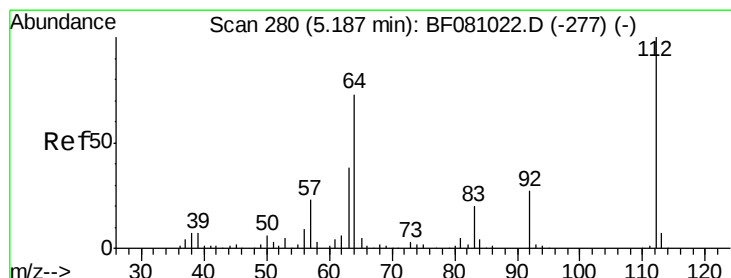
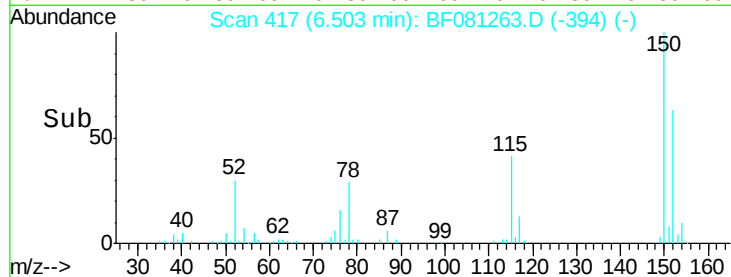
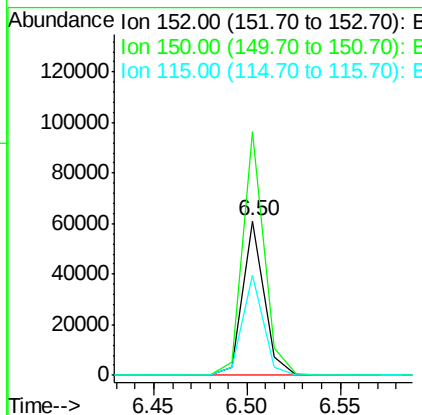
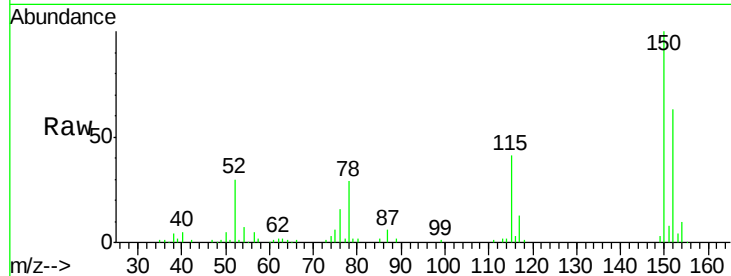
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SB3(3-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	64.6	52.1	78.1

Manual Integrations
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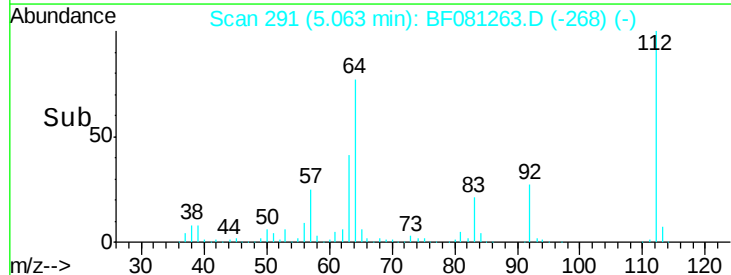
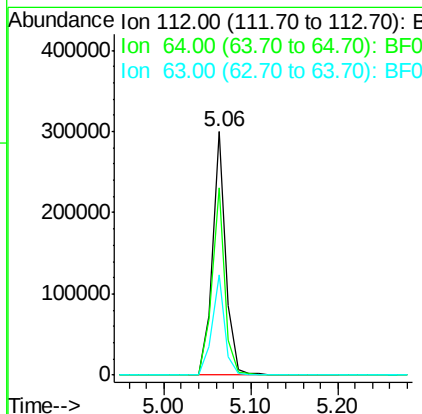
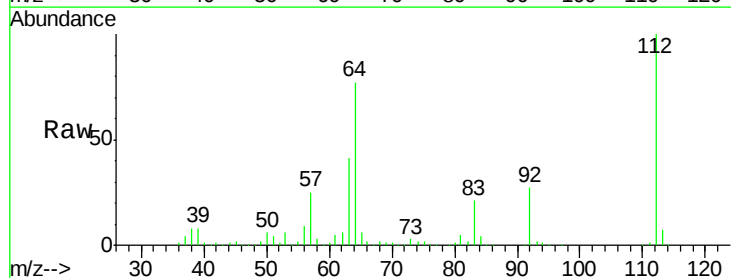
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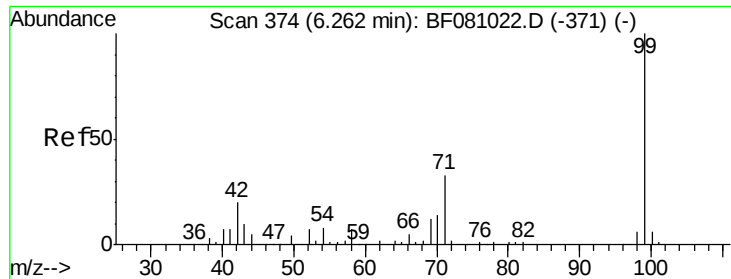


#5

2-Fluorophenol
Concen: 99.00 ng
RT: 5.06 min Scan# 291
Delta R.T. -0.04 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.1	66.9	100.3
63	41.2	38.1	57.1





#7

Phenol-d6

Concen: 115.60 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081263.D

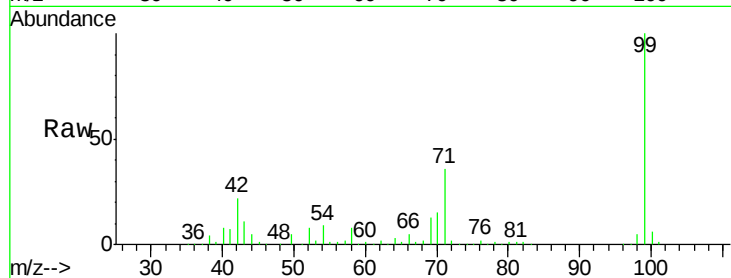
Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

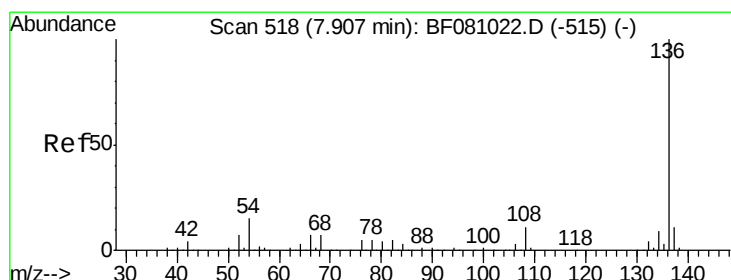
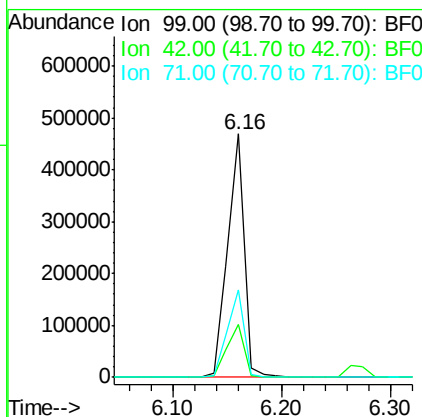
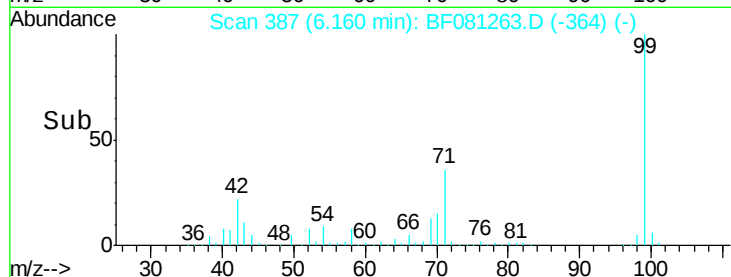
SB3(3-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		493136		
42	21.8	19.6	29.4		
71	35.9	31.2	46.8		

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#21

Naphthalene-d8

Concen: 20.00 ng

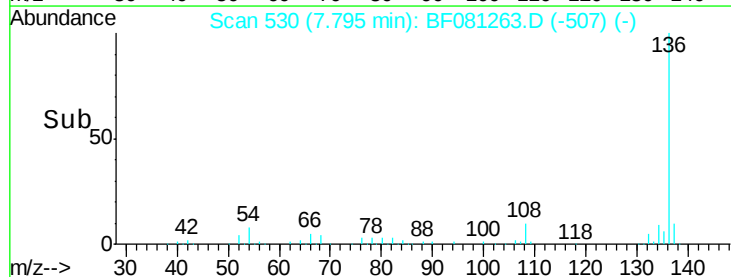
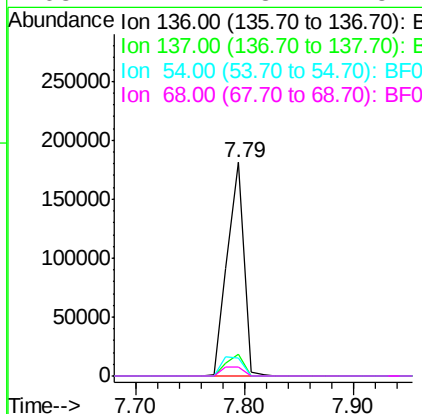
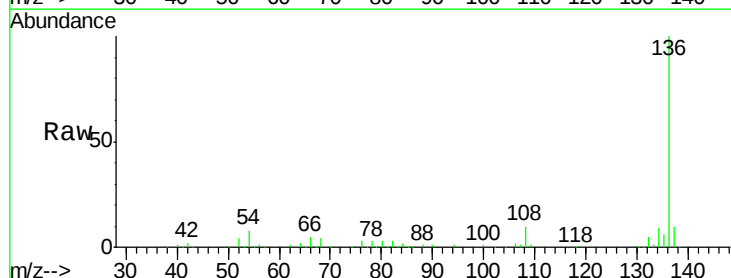
RT: 7.79 min Scan# 530

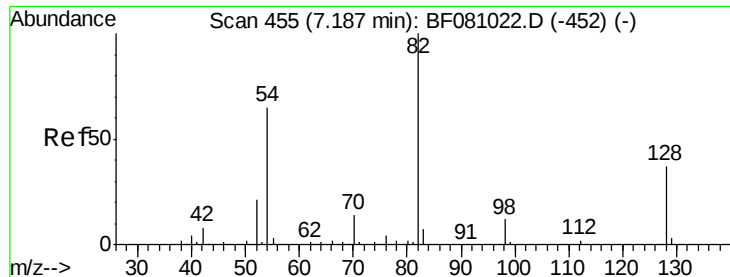
Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		191507		
137	10.5	8.2	12.2		
54	8.3	7.7	11.5		
68	4.4	3.4	5.2		





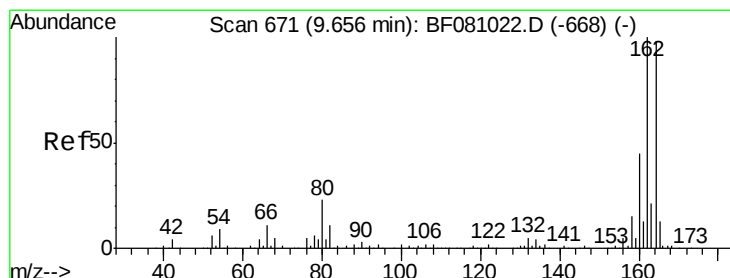
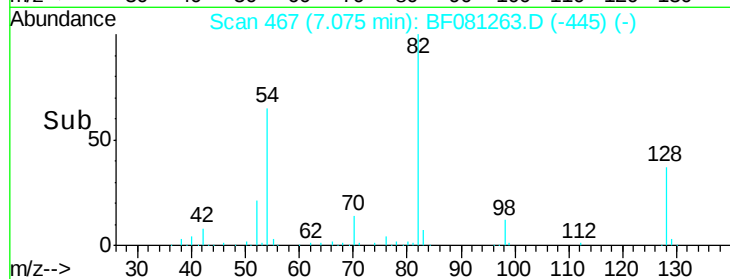
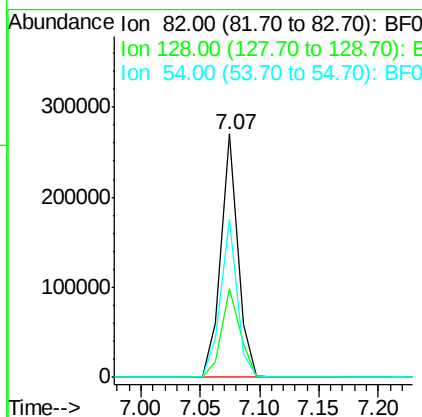
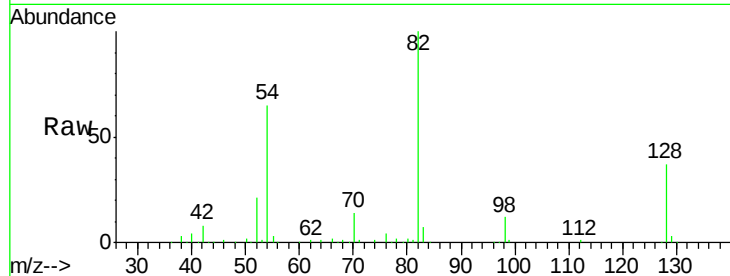
#23
 Nitrobenzene-d5
 Concen: 64.53 ng
 RT: 7.07 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SB3(3-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	36.7	28.6	42.8
54	65.0	55.1	82.7

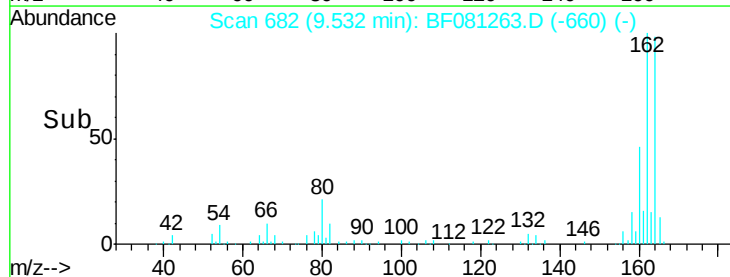
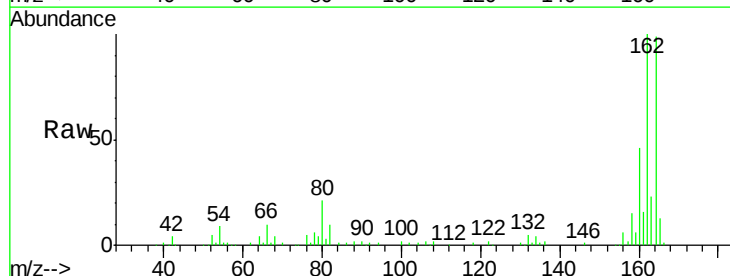
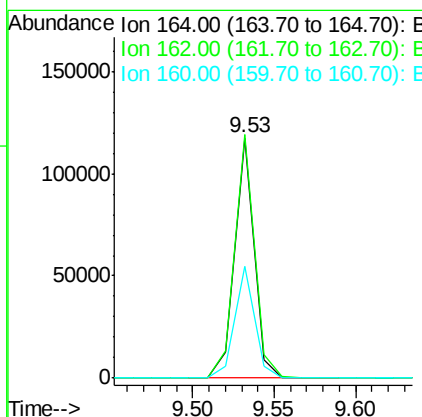
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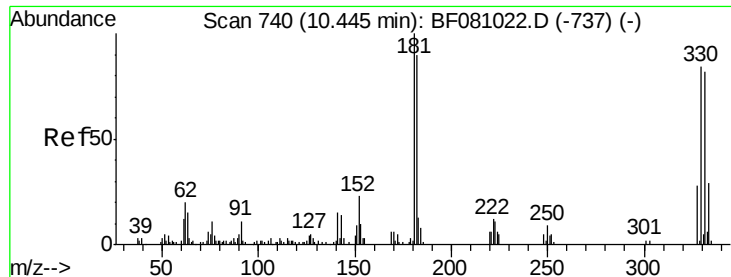
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 682
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	101.4	83.8	125.8
160	46.3	39.8	59.8





#41

2,4,6-Tribromophenol

Concen: 113.84 ng

RT: 10.32 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF081263.D

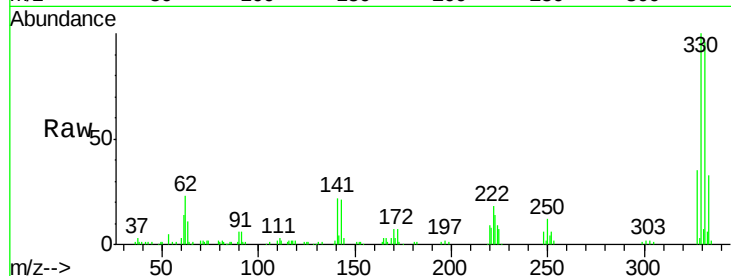
Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

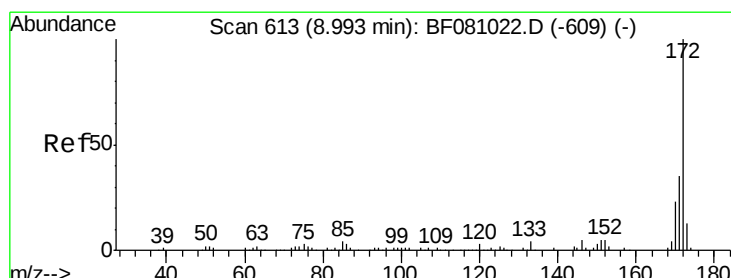
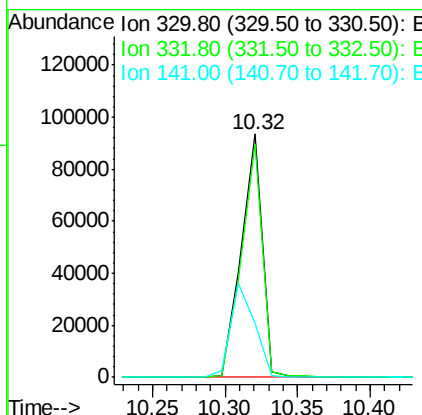
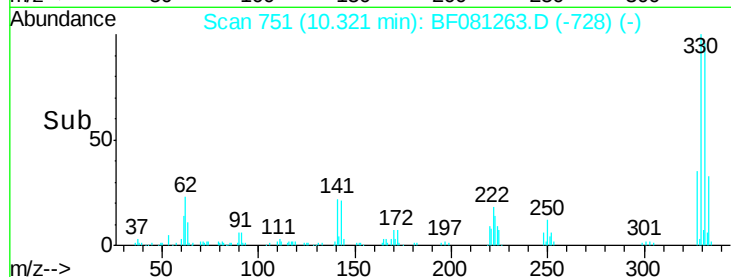
SB3(3-4)



Tgt Ion:	330	Resp:	94600
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.3	115.9
141	43.8	44.9	67.3#

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#44

2-Fluorobiphenyl

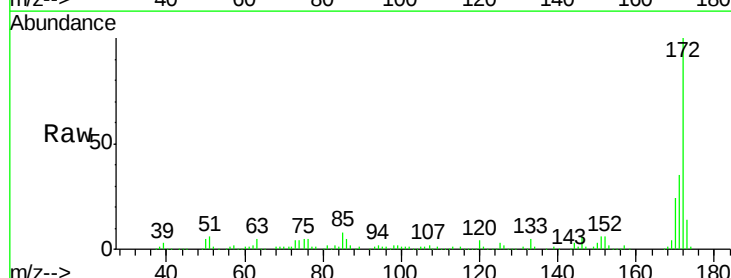
Concen: 56.52 ng

RT: 8.87 min Scan# 624

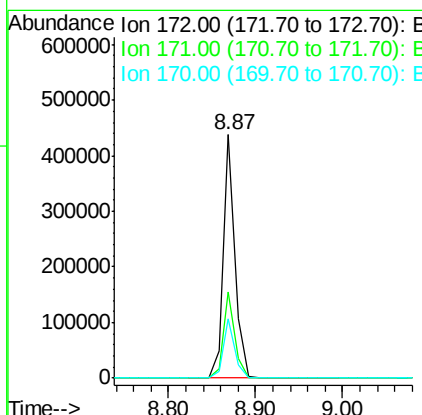
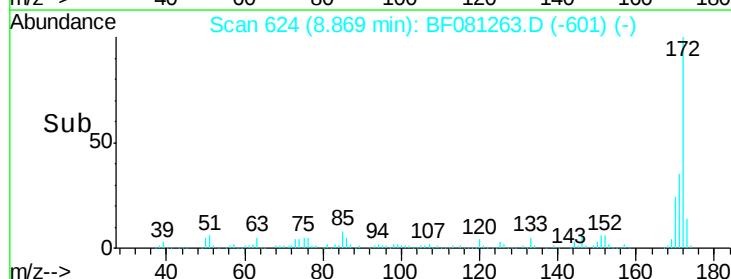
Delta R.T. -0.04 min

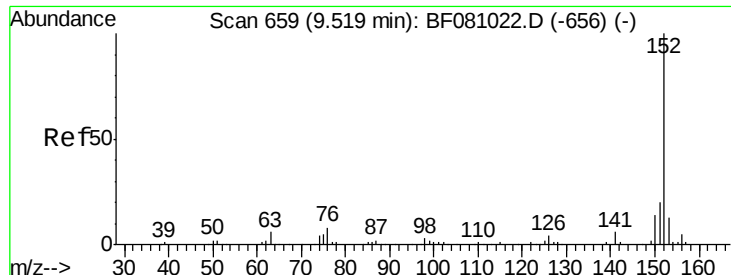
Lab File: BF081263.D

Acq: 28 Aug 2015 5:14



Tgt Ion:	172	Resp:	413522
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.9	43.3
170	24.5	19.4	29.2





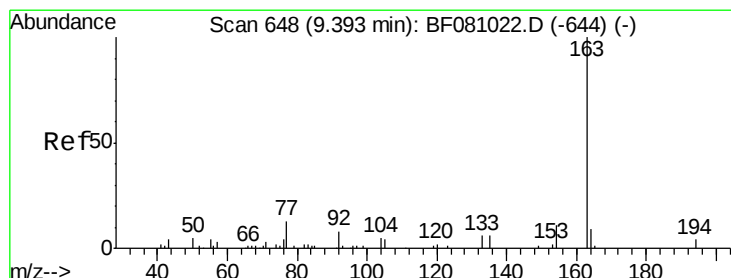
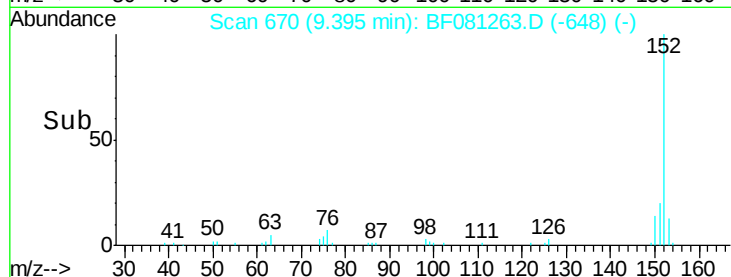
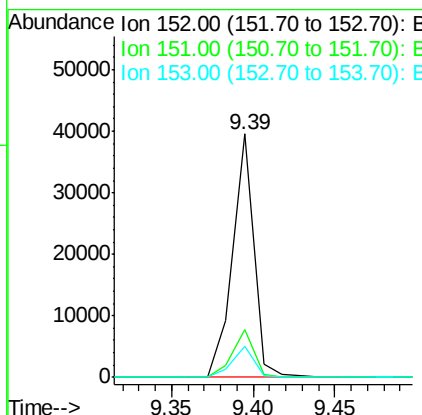
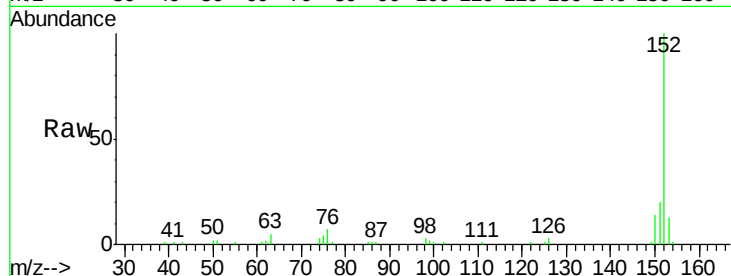
#48
Acenaphthylene
Concen: 2.93 ng
RT: 9.39 min Scan# 670
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Instrument :
BNA_F
ClientSampled :
SB3(3-4)

Tgt Ion:	152	Resp:	35507
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.1	24.1
153	13.0	9.8	14.6

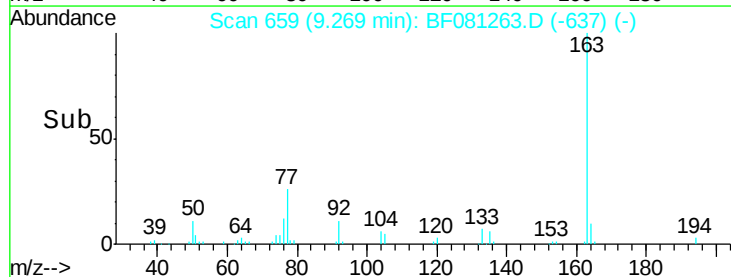
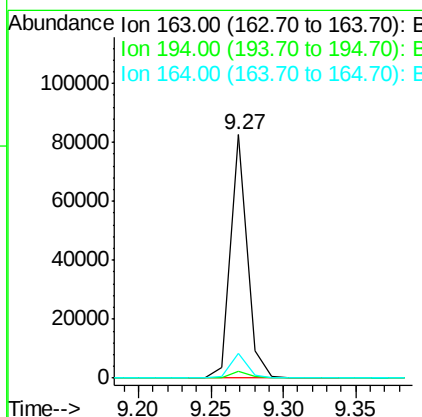
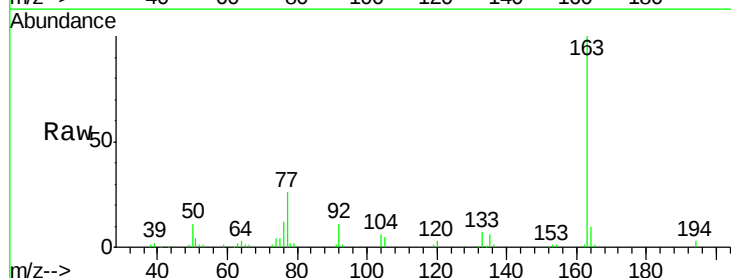
Manual Integrations
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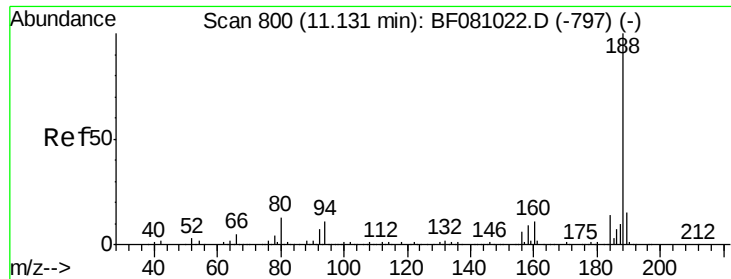
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#49
Dimethylphthalate
Concen: 8.39 ng
RT: 9.27 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion:	163	Resp:	66265
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.5	3.7
164	10.1	8.1	12.1





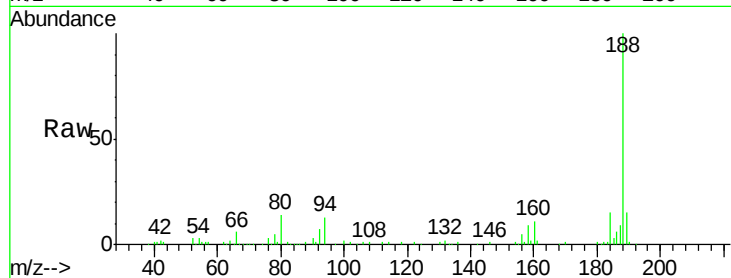
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 810
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SB3(3-4)

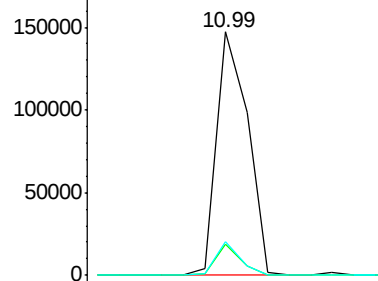
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.7	8.2	12.2#
80	13.8	9.5	14.3

Manual Integrations
APPROVED

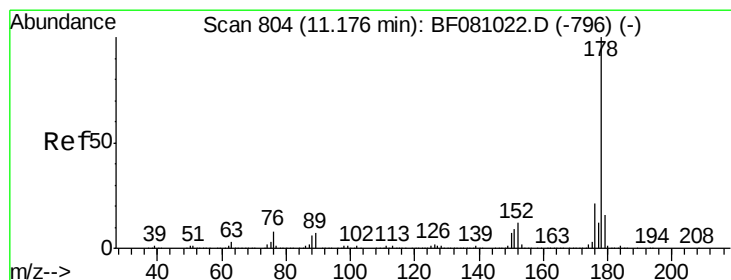
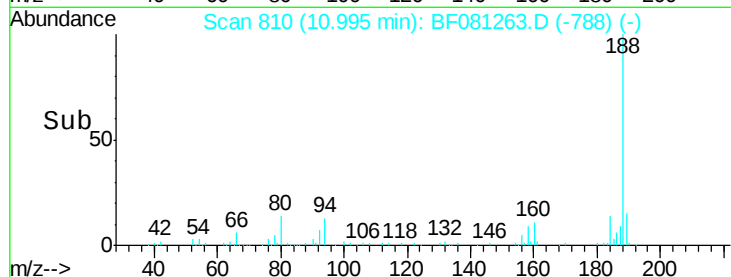
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8/28/2015 2:23:19 PM



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

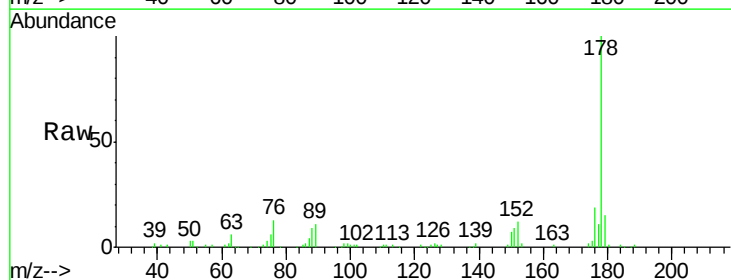


Time-->

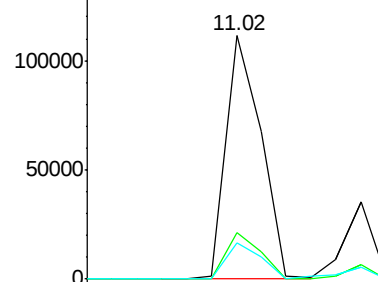


#70
Phenanthrene
Concen: 12.22 ng
RT: 11.02 min Scan# 812
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

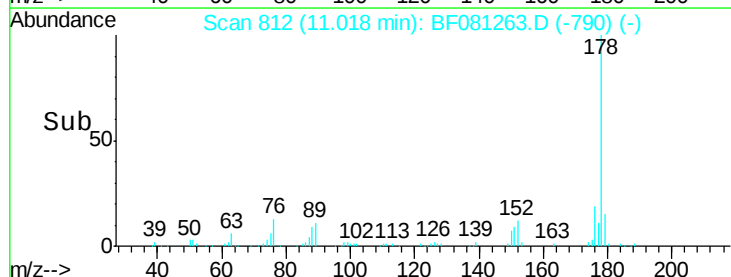
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.7	23.5
179	14.9	12.2	18.2

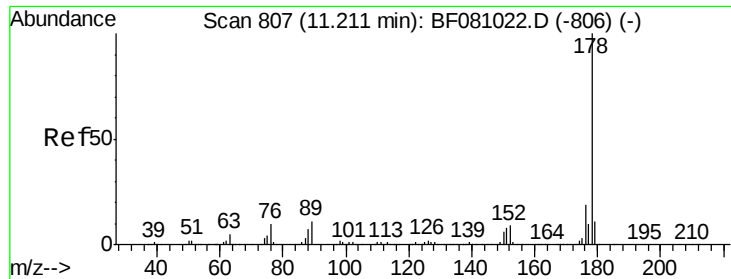


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





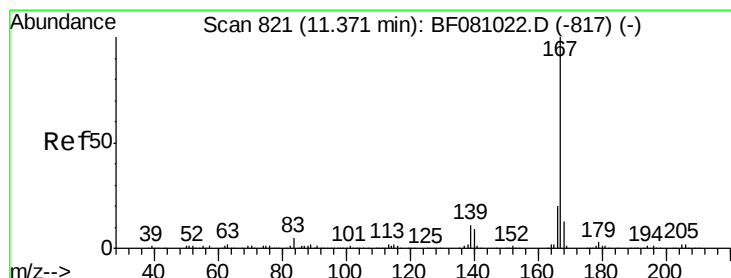
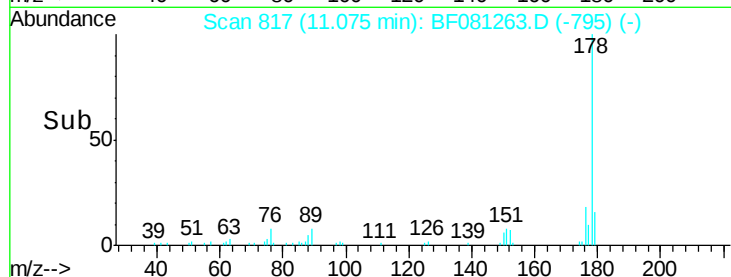
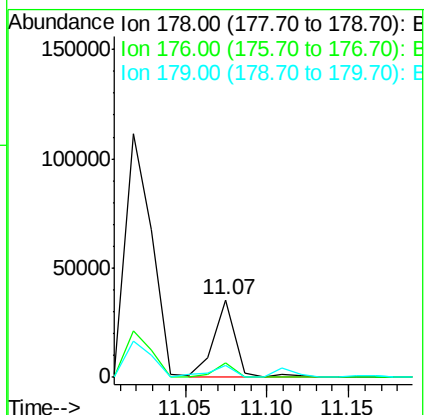
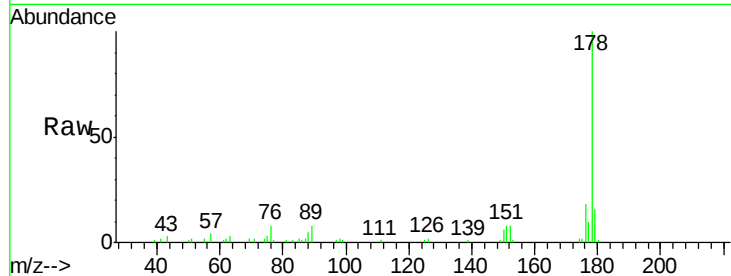
#71
 Anthracene
 Concen: 3.40 ng
 RT: 11.07 min Scan# 817
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SB3(3-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	15.9	12.7	19.1

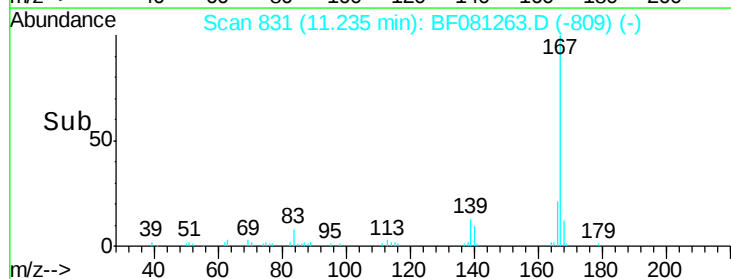
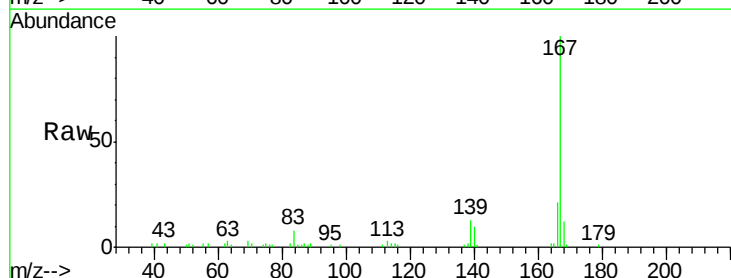
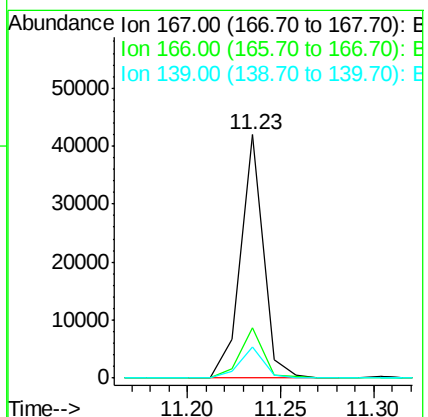
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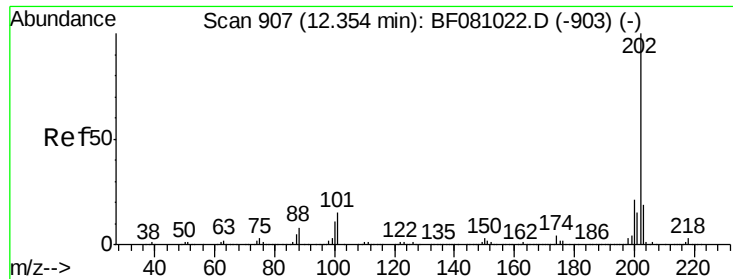
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#72
 Carbazole
 Concen: 3.74 ng
 RT: 11.23 min Scan# 831
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.4	26.0
139	12.9	10.6	16.0





#74

Fluoranthene

Concen: 40.59 ng

RT: 12.21 min Scan# 916

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

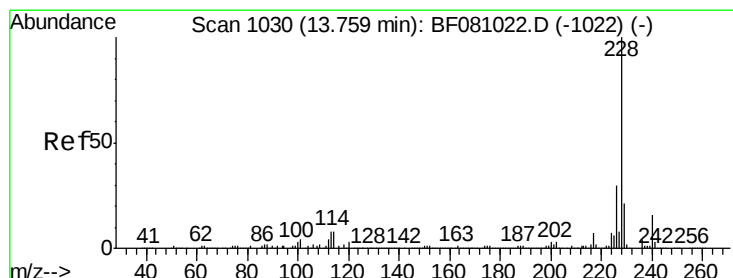
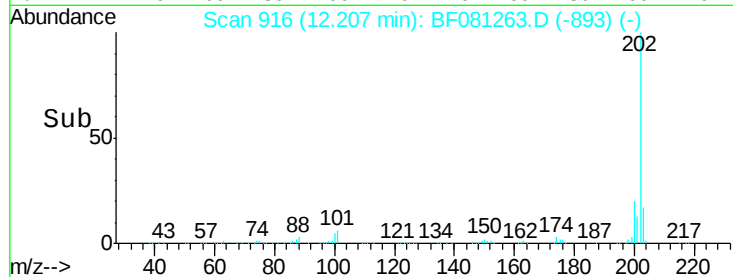
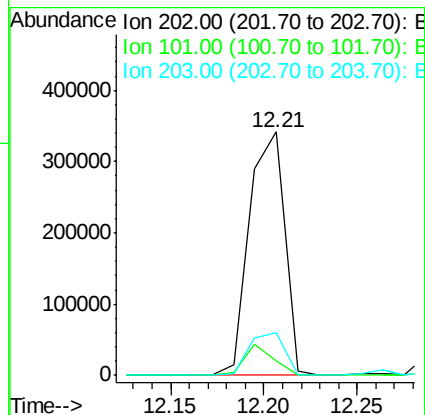
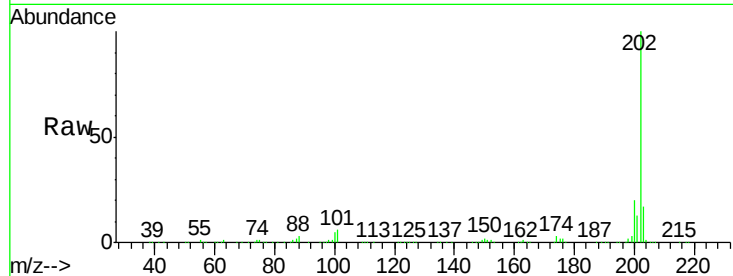
ClientSampleId :

SB3(3-4)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		448838		
101	6.1	0.0	24.8		
203	17.3	0.0	36.9		

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#75

Chrysene-d12

Concen: 20.00 ng

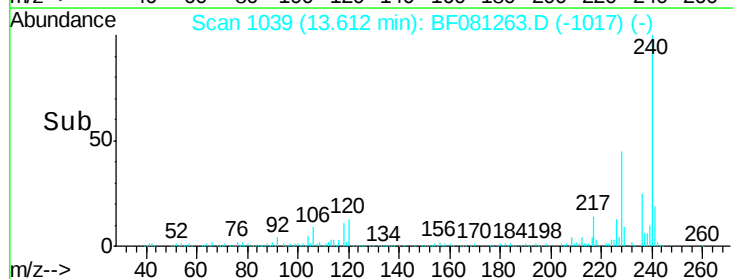
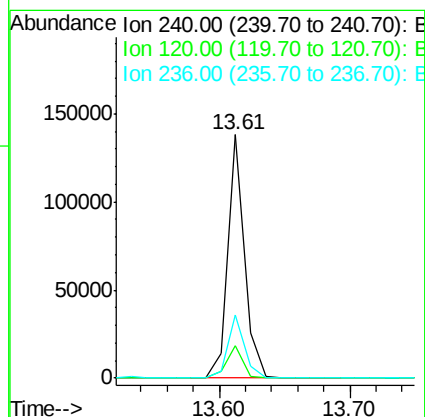
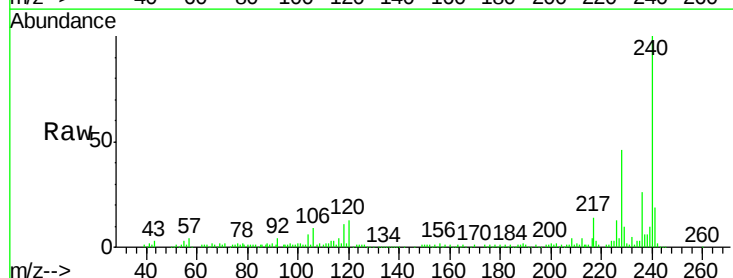
RT: 13.61 min Scan# 1039

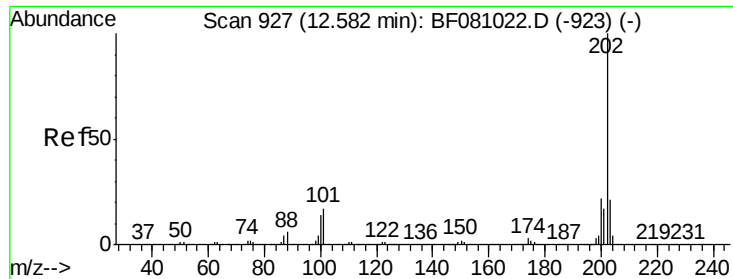
Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		123658		
120	13.4	5.6	8.4#		
236	25.8	20.6	30.8		





#77

Pyrene

Concen: 33.40 ng

RT: 12.42 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

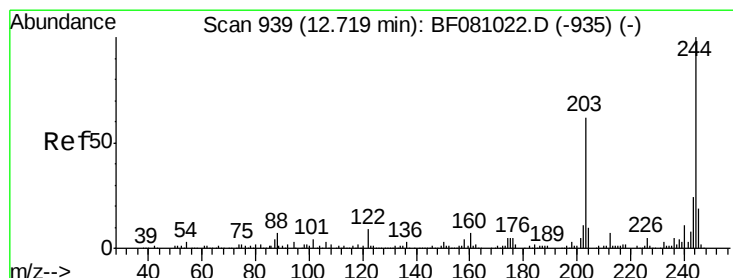
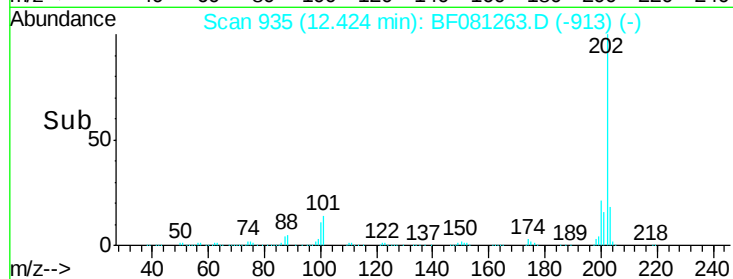
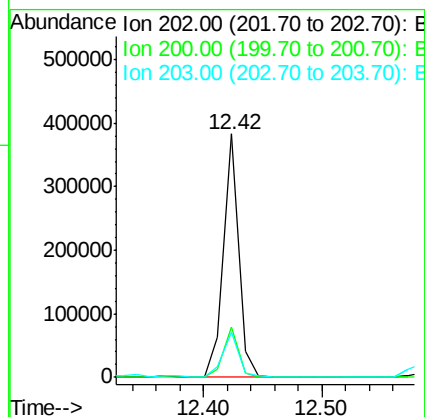
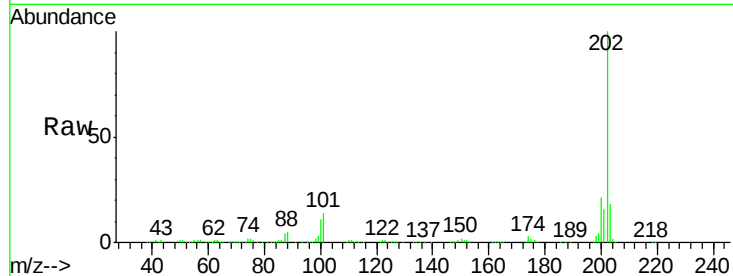
ClientSampled :

SB3(3-4)

Tgt Ion:	202	Resp:	335761
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	24.8
203	18.4	14.1	21.1

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#78

Terphenyl-d14

Concen: 62.15 ng

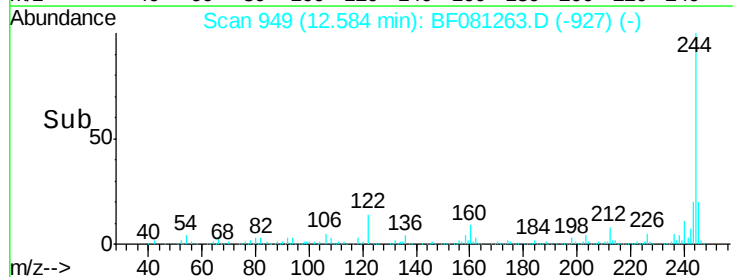
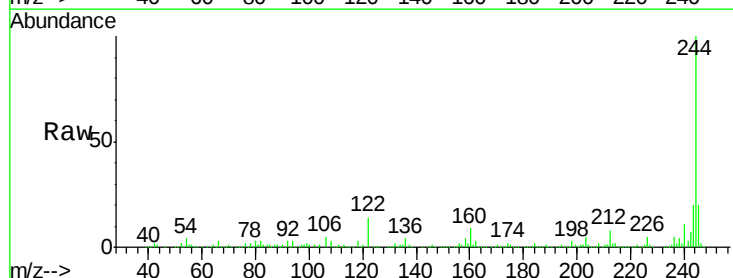
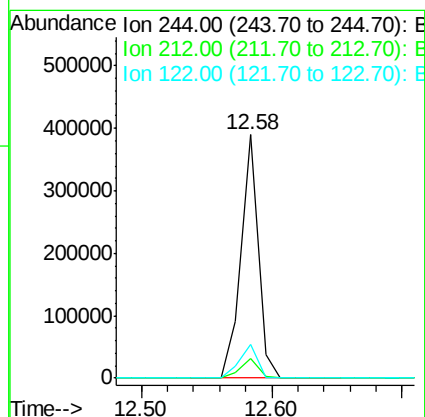
RT: 12.58 min Scan# 949

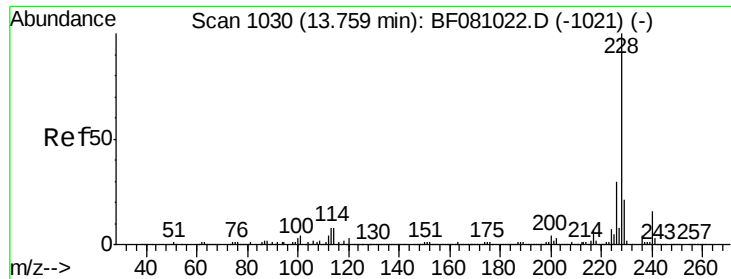
Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Tgt Ion:	244	Resp:	358480
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.8	8.8
122	13.9	8.2	12.4#





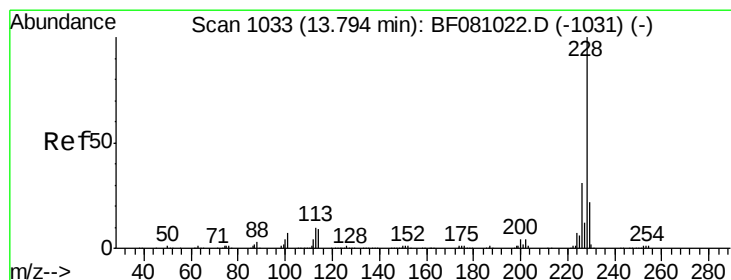
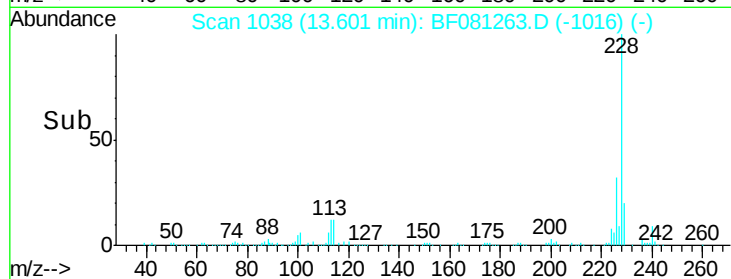
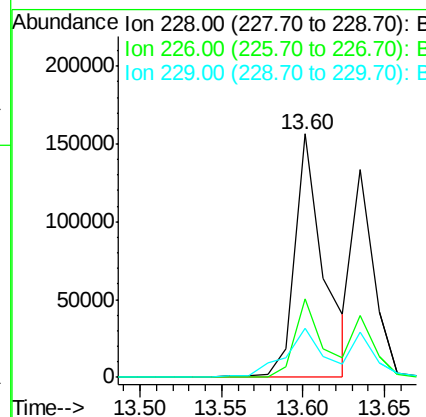
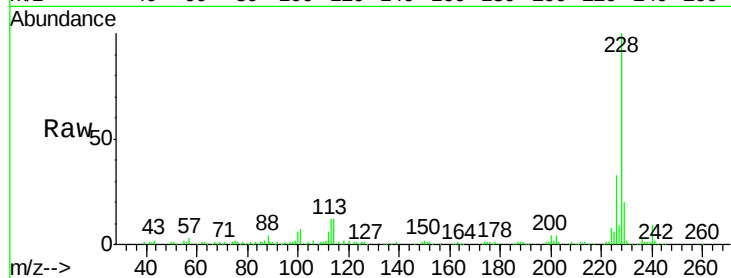
#80
Benzo(a)anthracene
Concen: 23.40 ng
RT: 13.60 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SB3(3-4)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	194052		
226	32.5	22.3	33.5	
229	20.4	15.9	23.9	

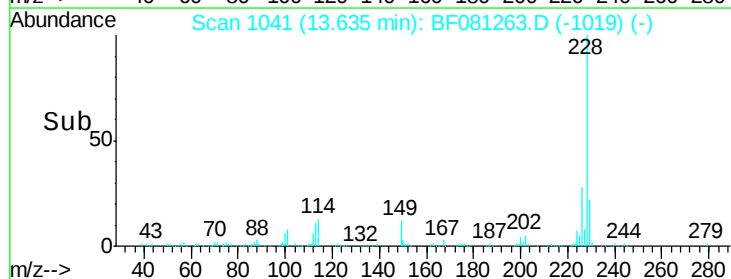
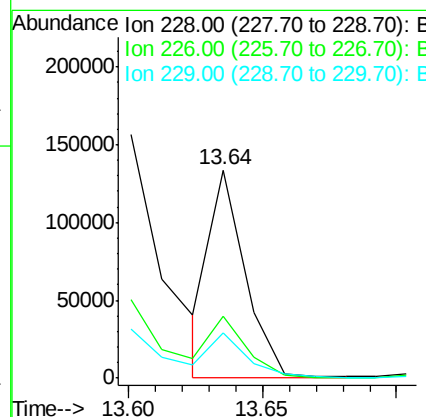
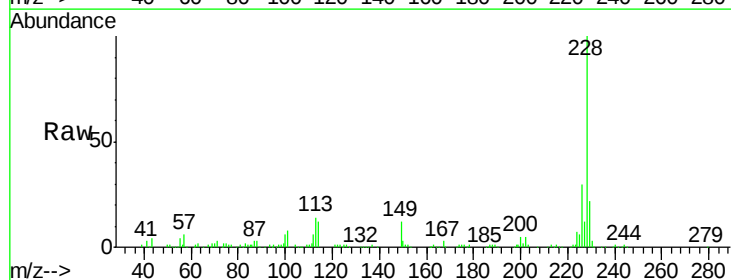
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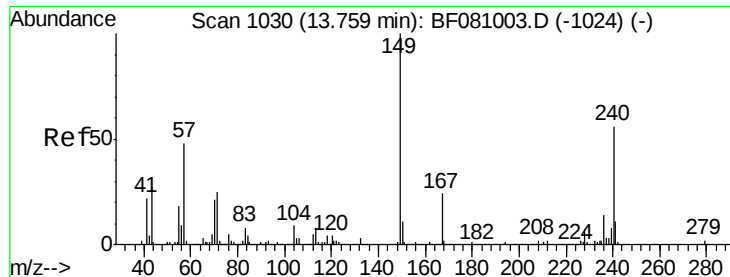
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#82
Chrysene
Concen: 16.62 ng m
RT: 13.64 min Scan# 1041
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	124248		
226	29.9	24.4	36.6	
229	22.0	16.0	24.0	





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.72 ng

RT: 13.62 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

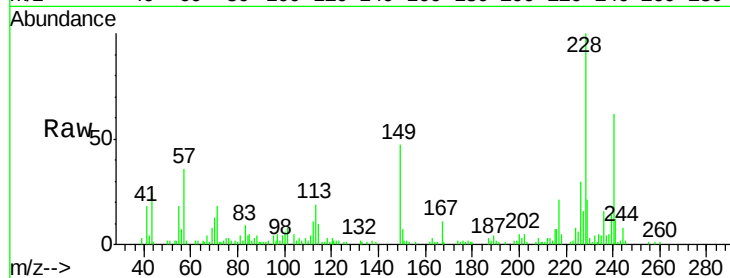
ClientSampled :

SB3(3-4)

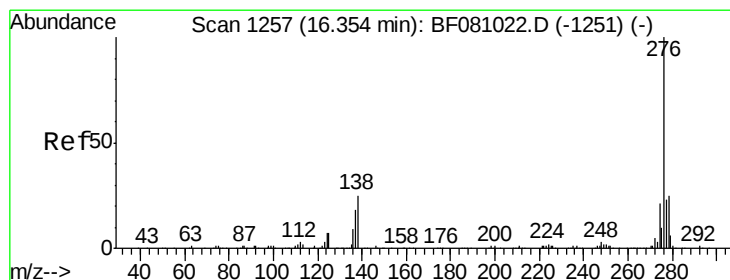
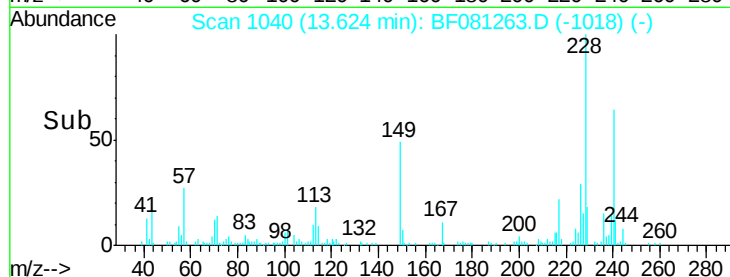
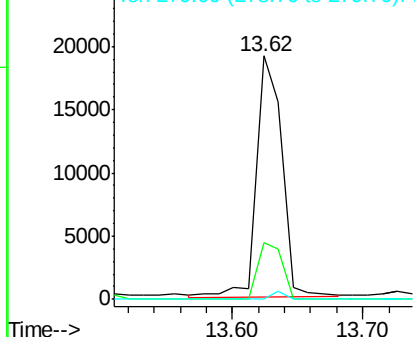
Tgt Ion:	149	Resp:	26115
Ion Ratio	Lower	Upper	
149	100		
167	23.4	20.7	31.1
279	0.0	2.2	3.4#

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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: 14.70 ng

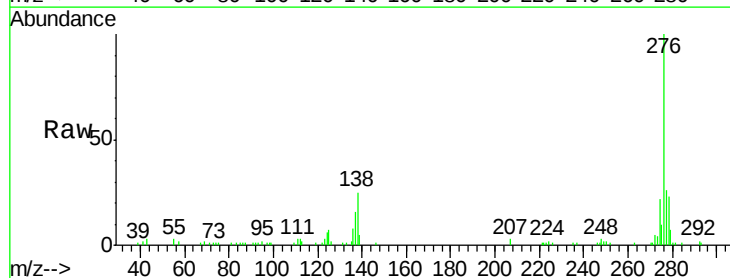
RT: 16.09 min Scan# 1256

Delta R.T. -0.07 min

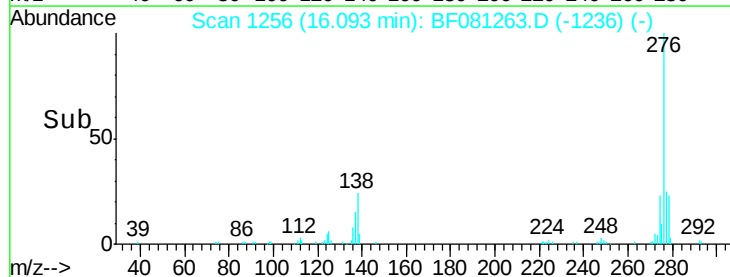
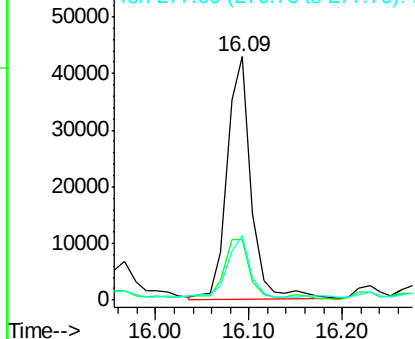
Lab File: BF081263.D

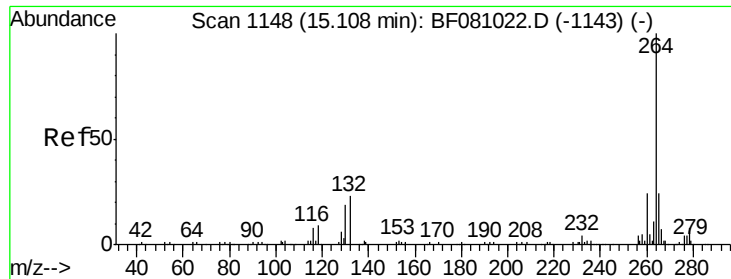
Acq: 28 Aug 2015 5:14

Tgt Ion:	276	Resp:	77156
Ion Ratio	Lower	Upper	
276	100		
138	25.0	18.6	28.0
277	27.8	19.8	29.8



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: 14.94 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF081263.D

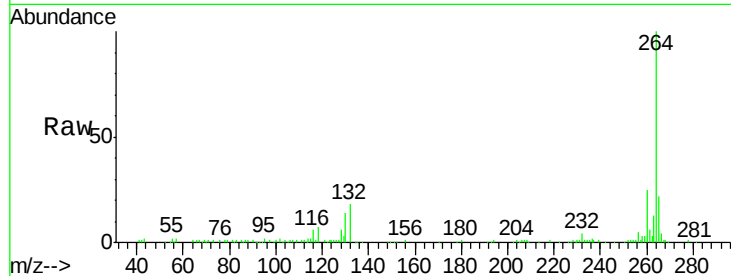
Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

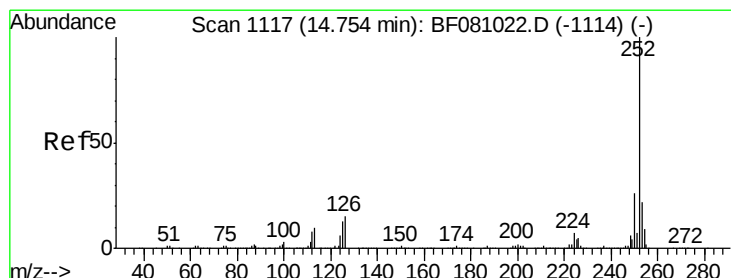
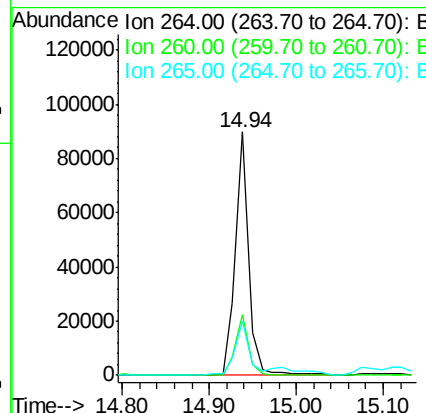
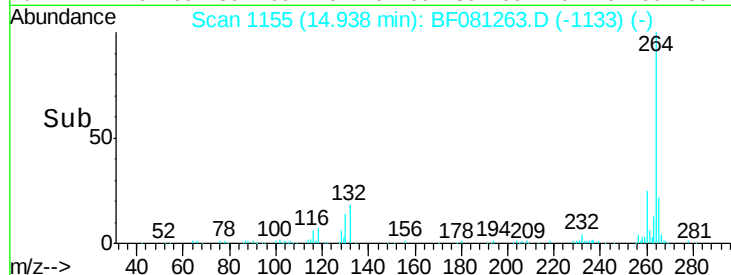
SB3(3-4)



Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.1	19.6	29.4	
265	22.5	17.5	26.3	

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#87

Benzo(b)fluoranthene

Concen: 24.00 ng m

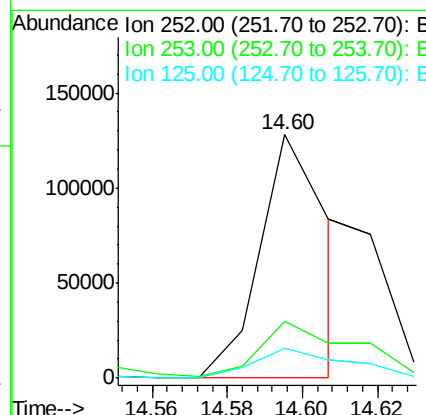
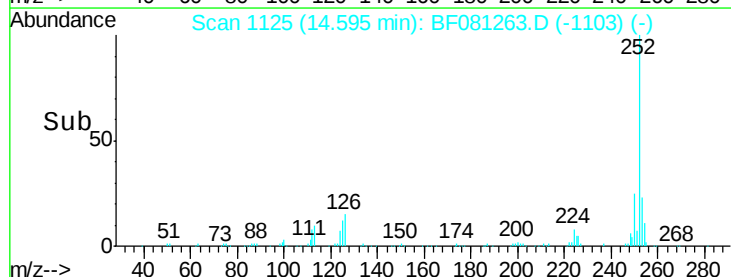
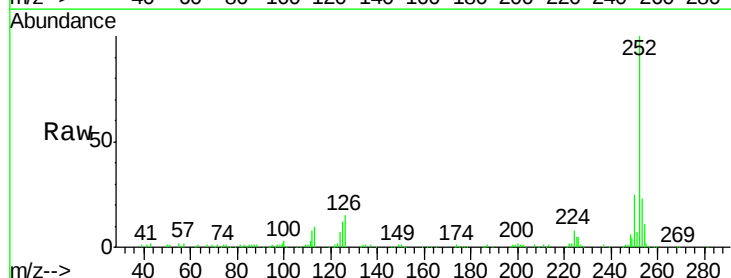
RT: 14.60 min Scan# 1125

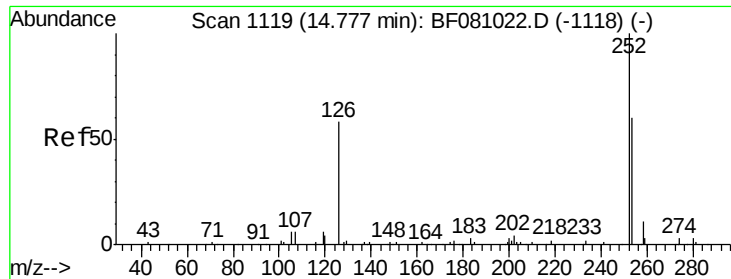
Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.1	17.1	25.7	
125	12.3	8.0	12.0	





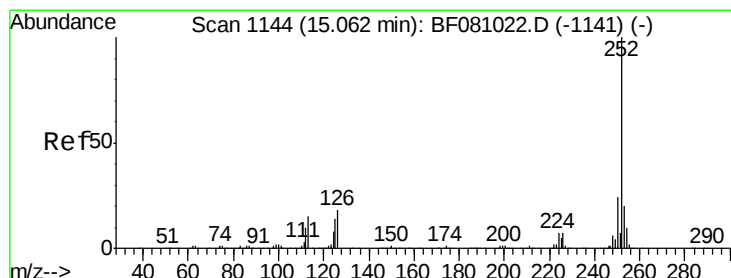
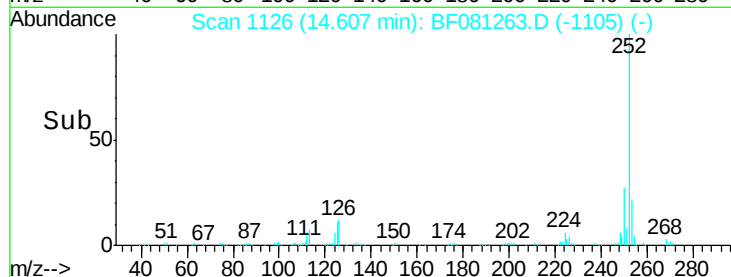
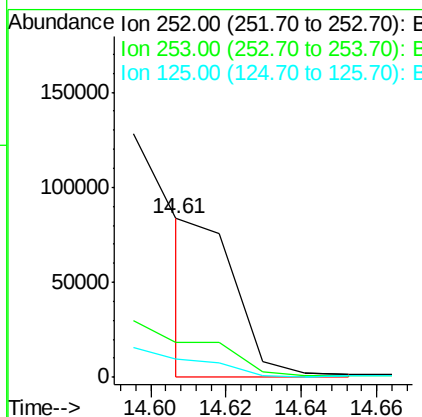
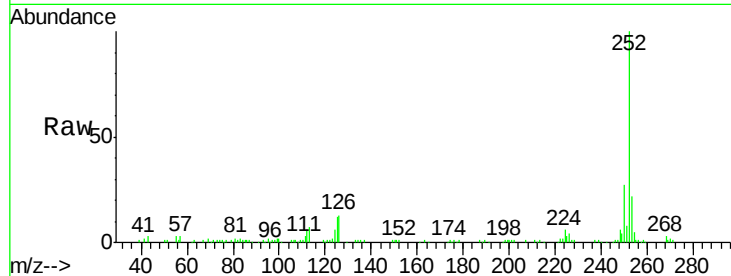
#88
Benzo(k)fluoranthene
Concen: 9.55 ng m
RT: 14.61 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SB3(3-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.8	10.3	15.5

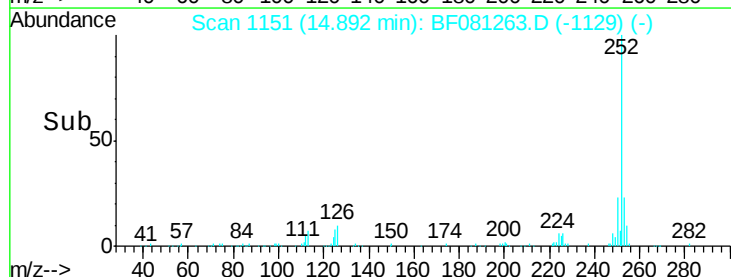
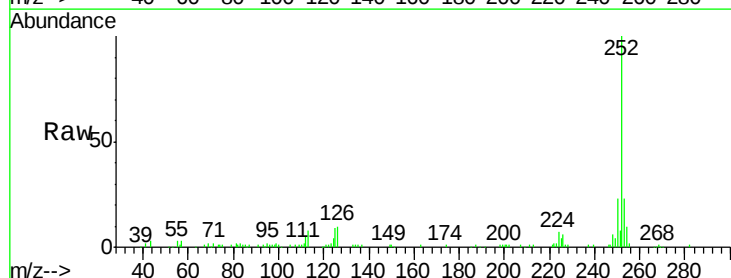
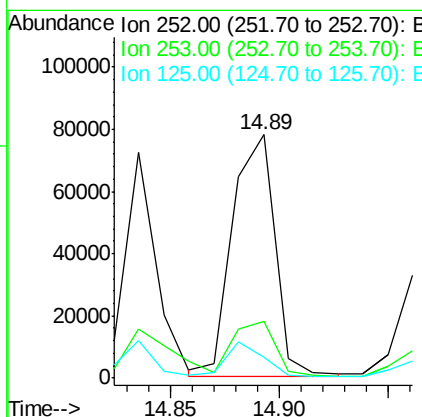
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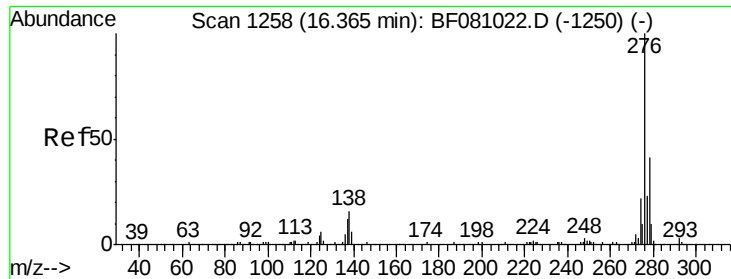
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#89
Benzo(a)pyrene
Concen: 17.91 ng
RT: 14.89 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.6	25.0
125	8.7	7.8	11.8





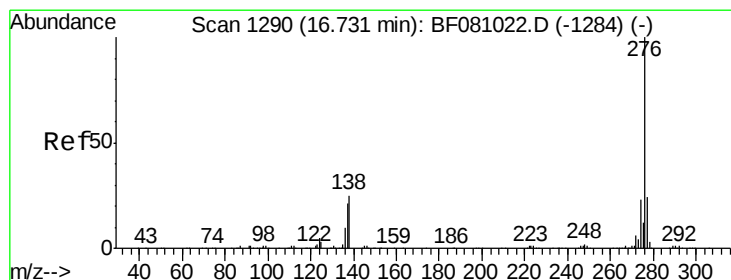
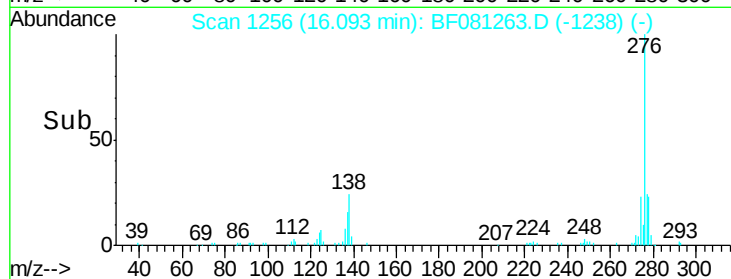
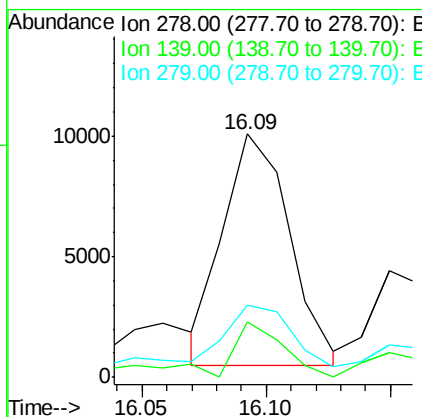
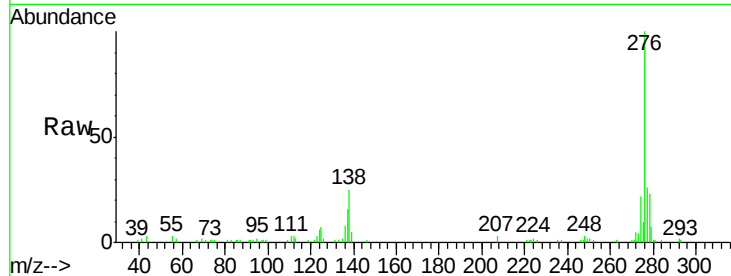
#90
Dibenzo(a,h)anthracene
Concen: 3.86 ng m
RT: 16.09 min Scan# 1256
Delta R.T. -0.09 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SB3(3-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.8	10.8	16.2#
279	29.6	19.0	28.6#

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#91
Benzo(g,h,i)perylene
Concen: 14.32 ng
RT: 16.44 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.2	27.2
138	24.1	13.7	20.5#

