

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
 Data File : BF084142.D
 Acq On : 25 Dec 2015 21:37
 Operator : UM/SJ
 Sample : G4960-05
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Manual Integrations
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Sohil
 12/28/2015 5:58:14 PM

Quant Time: Dec 26 05:46:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 16:48:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	31635	20.00	ng	0.01
21) Naphthalene-d8	8.13	136	137922	20.00	ng	0.05
38) Acenaphthene-d10	9.82	164	11330	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	47512m	20.00	ng	0.13
75) Chrysene-d12	13.96	240	103266	20.00	ng	0.00
86) Perylene-d12	15.39	264	99240	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	360033	192.95	ng	-0.01
7) Phenol-d6	6.45	99	385541	166.98	ng	0.00
23) Nitrobenzene-d5	7.38	82	107378	45.57	ng	0.01
41) 2,4,6-Tribromophenol	10.78	330	61496	508.98	ng	0.16
44) 2-Fluorobiphenyl	9.29	172	195727	236.37	ng	0.13
78) Terphenyl-d14	12.93	244	335748	58.83	ng	0.03
Target Compounds						
37) 2-Methylnaphthalene	8.97	142	2435732	530.27	ng	# 87
57) Fluorene	10.54	166	653184	751.91	ng	# 43
70) Phenanthrene	11.48	178	1799296m	638.81	ng	
74) Fluoranthene	12.60	202	124692	41.96	ng	88
77) Pyrene	12.81	202	253960m	28.51	ng	
80) Benzo(a)anthracene	13.96	228	32117m	5.06	ng	
82) Chrysene	14.00	228	24464m	4.18	ng	
87) Benzo(b)fluoranthene	14.99	252	17709m	2.40	ng	

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

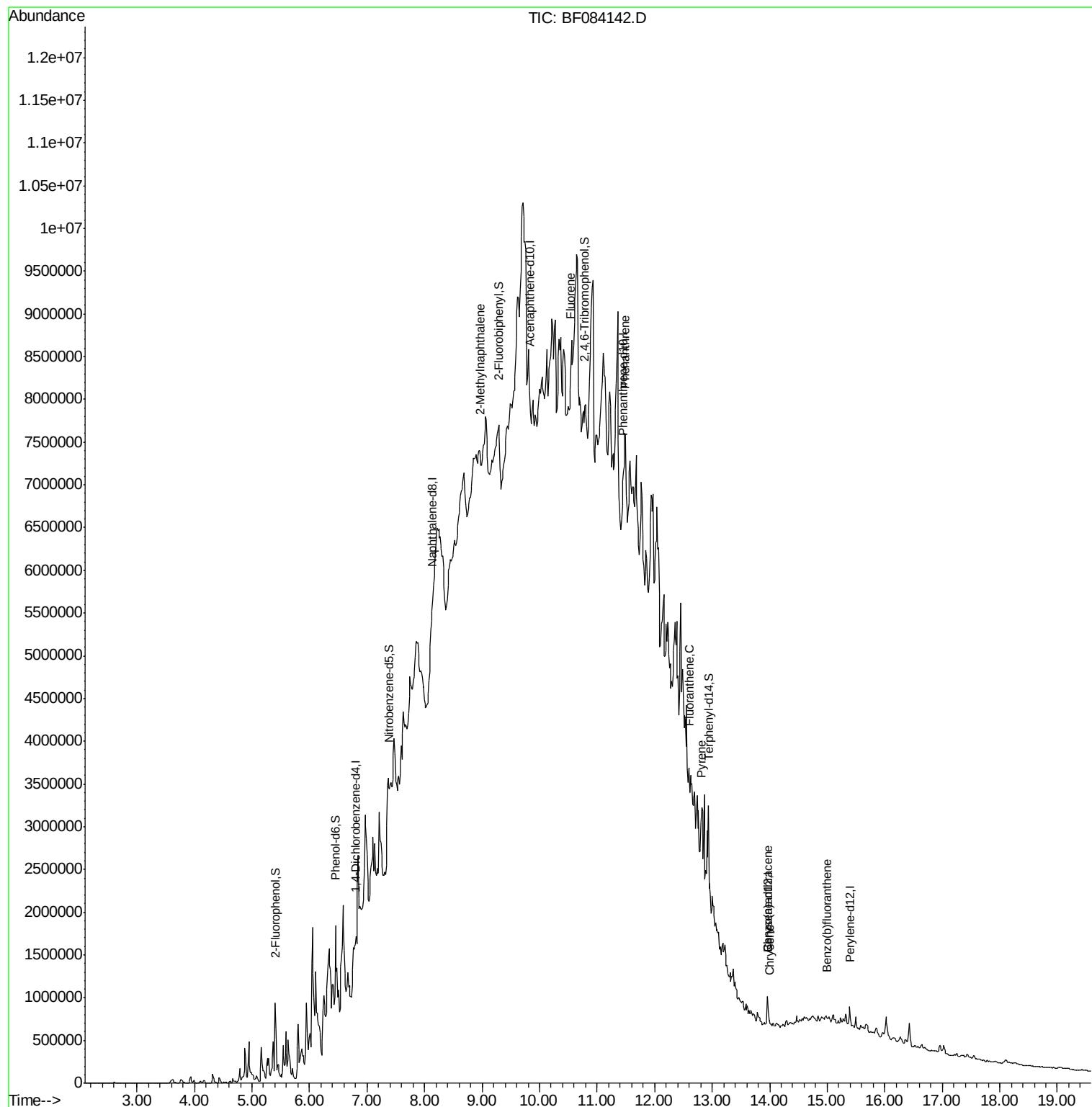
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
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Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

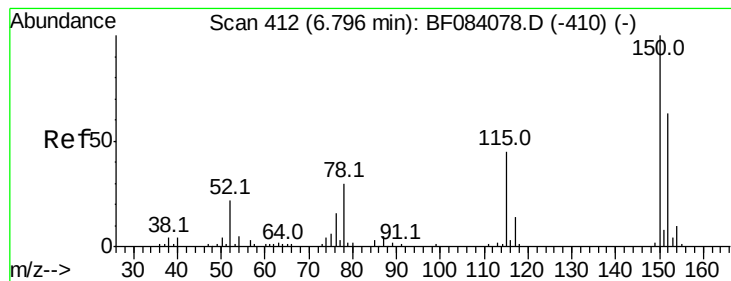
Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

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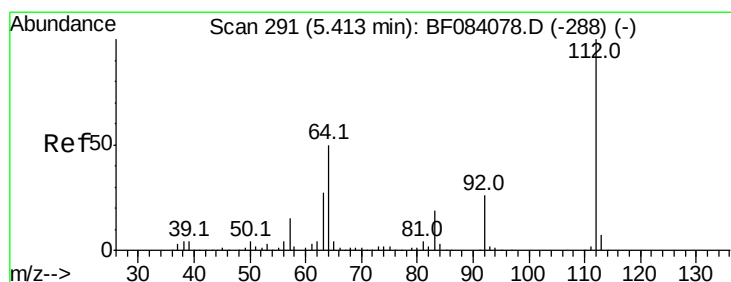
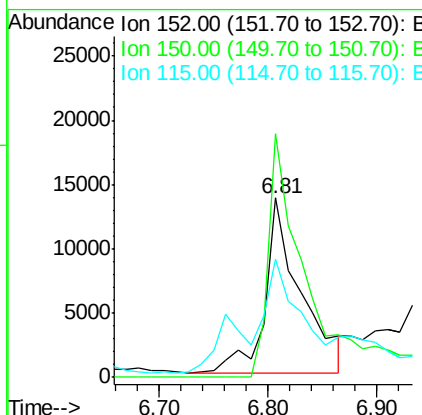
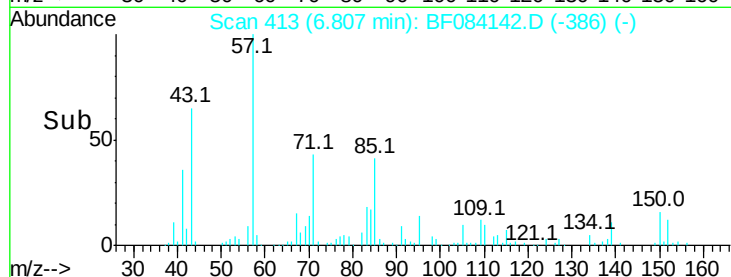
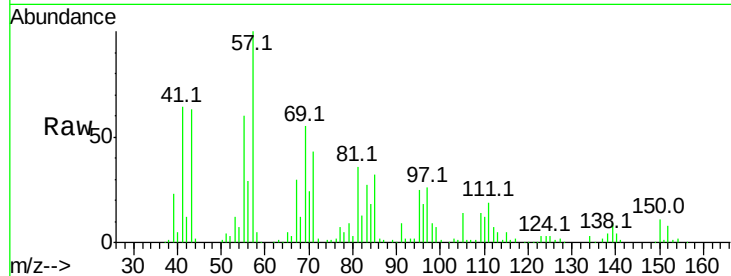
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BF084142.D
 Acq: 25 Dec 2015 21:37

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.7	123.0	184.4
115	66.1	51.4	77.2

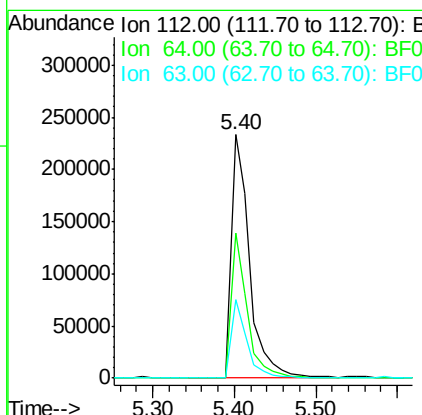
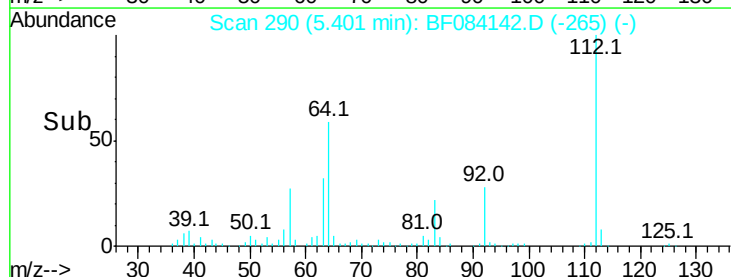
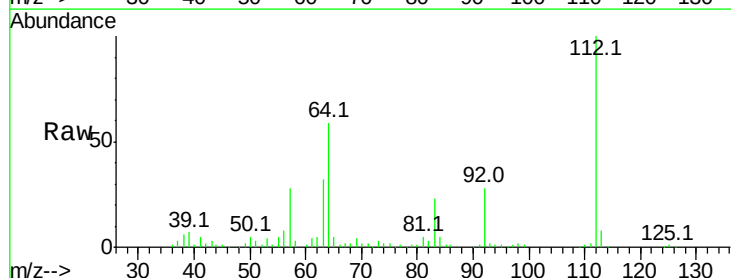
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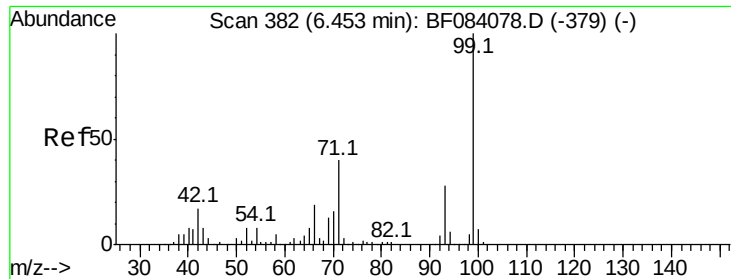
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#5
 2-Fluorophenol
 Concen: 192.95 ng
 RT: 5.40 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: BF084142.D
 Acq: 25 Dec 2015 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	36.6	55.0#
63	32.5	19.4	29.0#





#7

Phenol-d6

Concen: 166.98 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

Tot Ion: 99 Resp: 385541

Ion Ratio Lower Upper

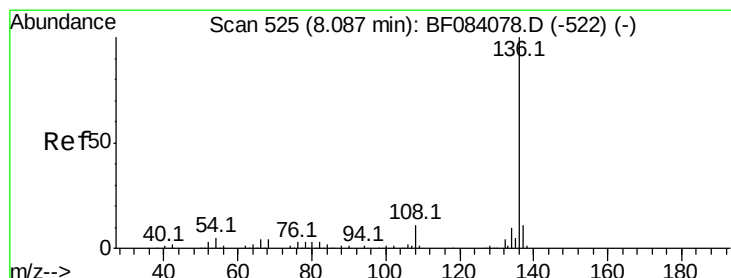
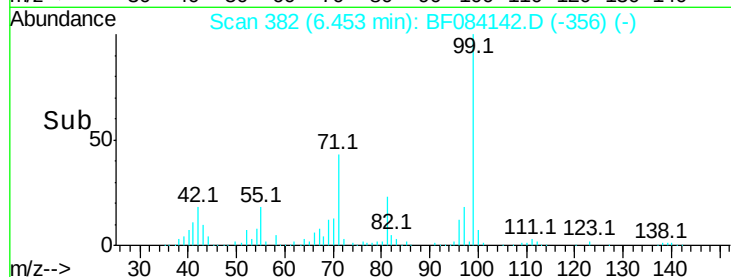
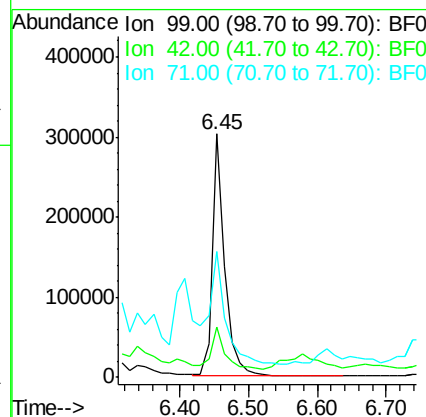
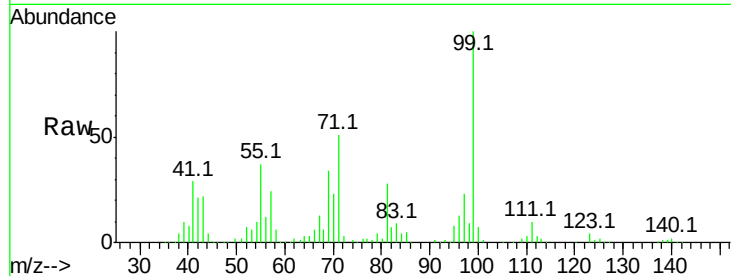
99 100

42 20.9 12.8 19.2#

71 51.4 30.9 46.3#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.05 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Tgt Ion: 136 Resp: 137922

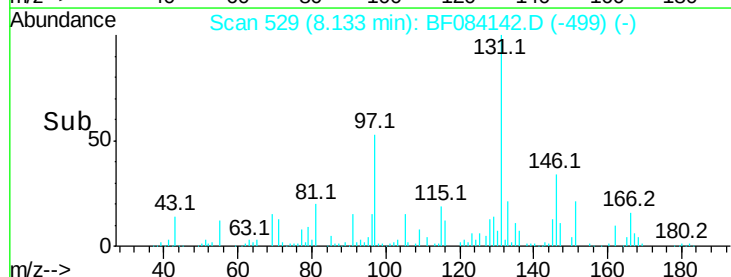
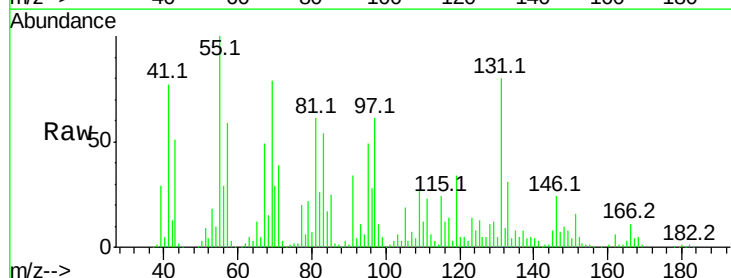
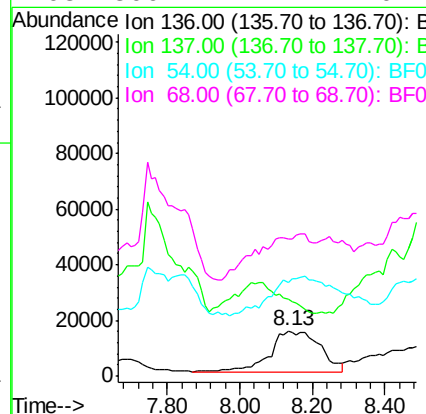
Ion Ratio Lower Upper

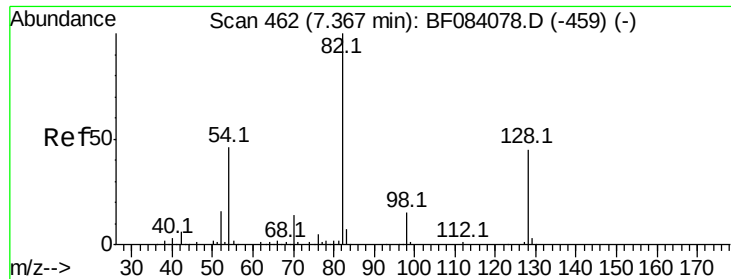
136 100

137 169.4 8.7 13.1#

54 206.0 5.8 8.8#

68 300.7 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 45.57 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.01 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Instrument :

BNA_F

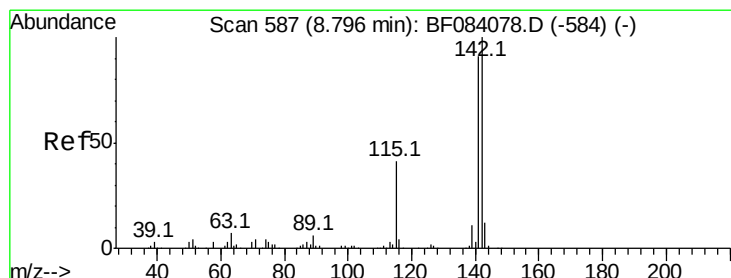
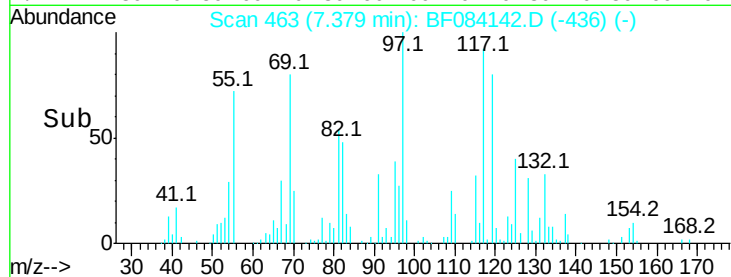
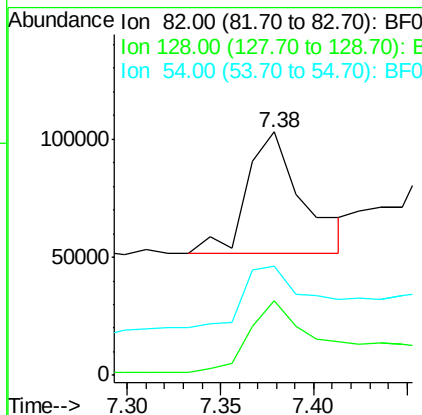
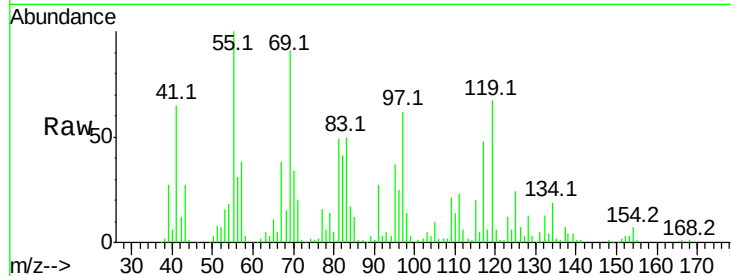
ClientSampleId :

PJ-SB-300(16.0-16.5)

Tot Ion:	82	Resp:	107378
Ion Ratio	Lower	Upper	
82	100		
128	30.7	34.6	51.8#
54	44.7	38.4	57.6

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#37

2-Methylnaphthalene

Concen: 530.27 ng

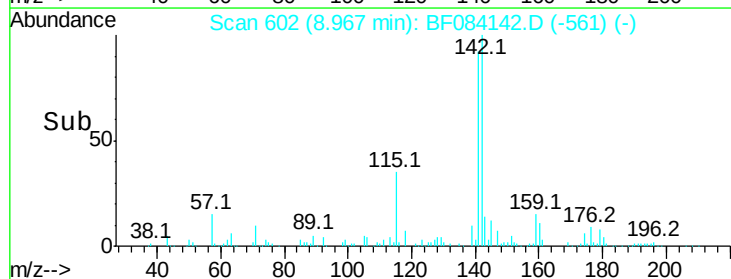
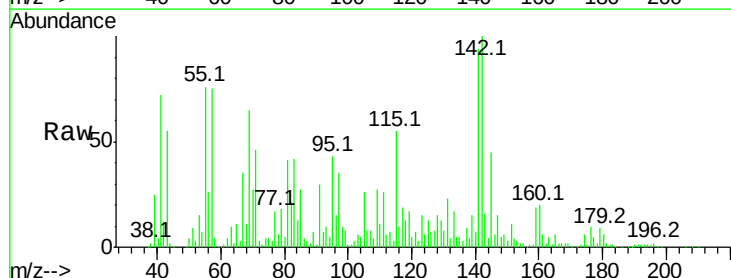
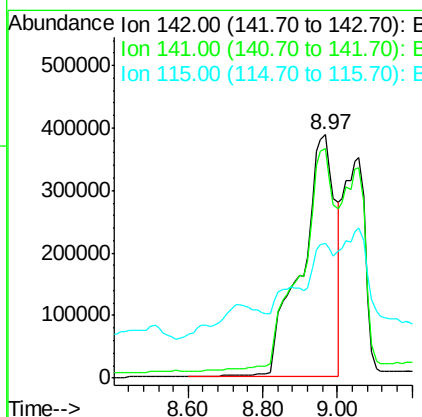
RT: 8.97 min Scan# 602

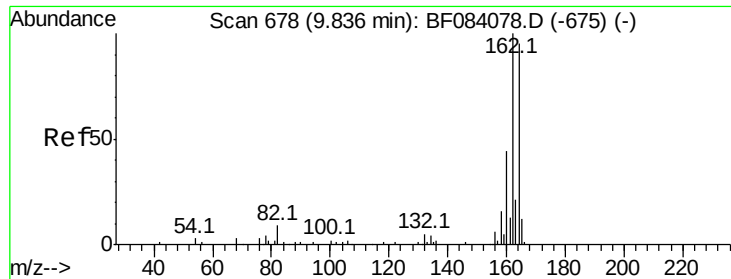
Delta R.T. 0.17 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Tgt Ion:	142	Resp:	2435732
Ion Ratio	Lower	Upper	
142	100		
141	94.2	72.4	108.6
115	55.4	27.9	41.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Instrument :

BNA_F

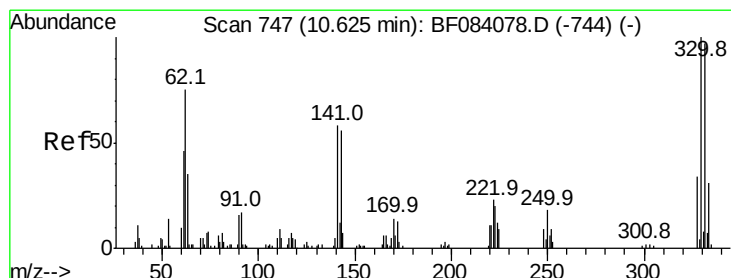
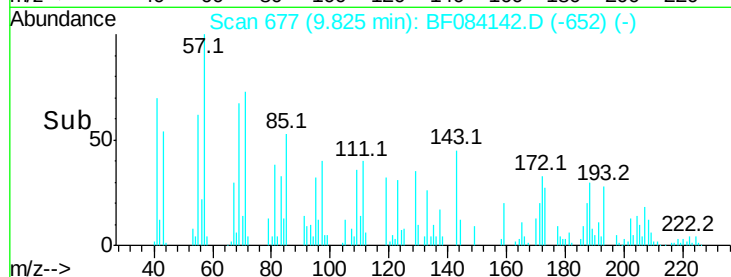
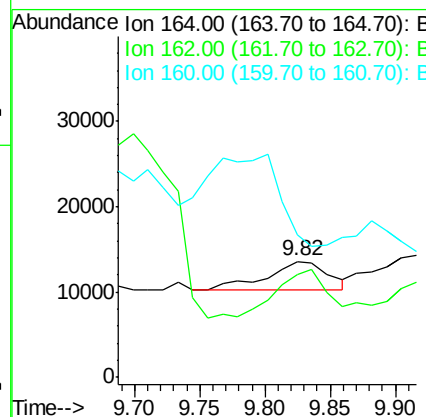
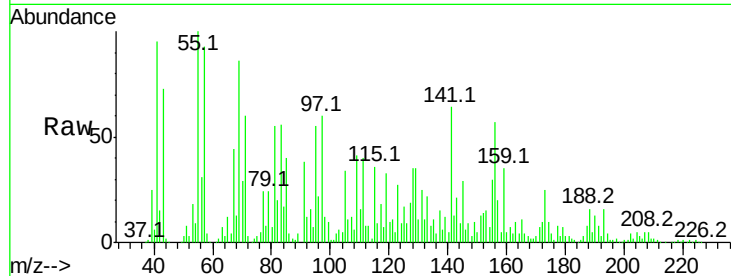
ClientSampleId :

PJ-SB-300(16.0-16.5)

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Tot Ion	Ratio	Lower	Upper
164	100		
162	88.9	85.1	127.7
160	122.4	37.5	56.3#



#41

2,4,6-Tribromophenol

Concen: 508.98 ng

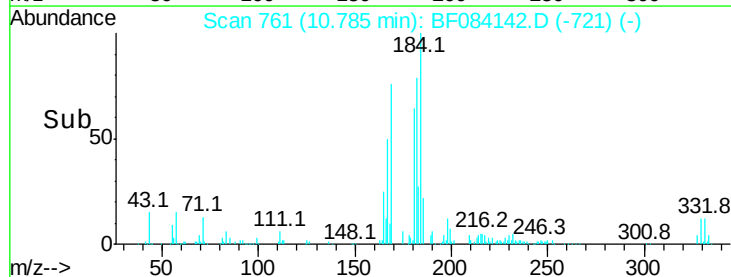
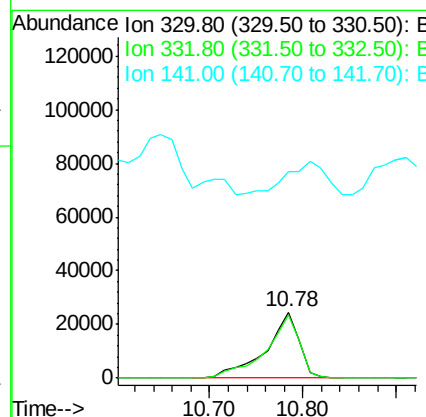
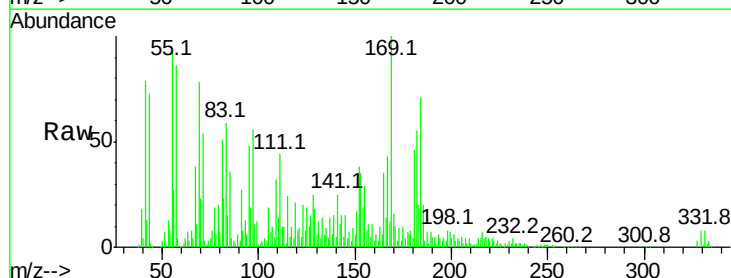
RT: 10.78 min Scan# 761

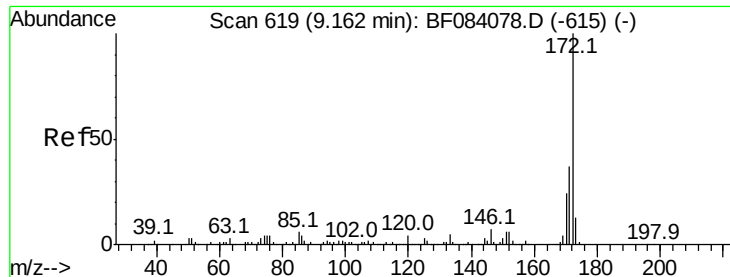
Delta R.T. 0.16 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	0.0	27.8	41.6#





#44

2-Fluorobiphenyl

Concen: 236.37 ng

RT: 9.29 min Scan# 630

Delta R.T. 0.13 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Instrument :

BNA_F

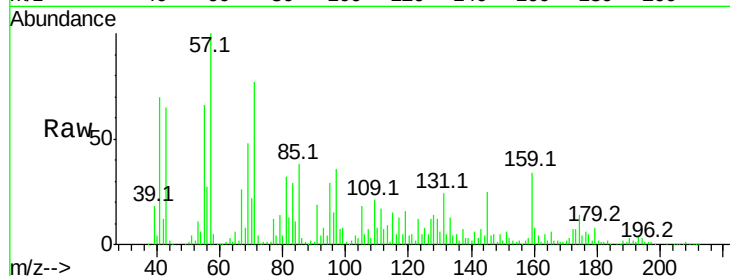
ClientSampleId :

PJ-SB-300(16.0-16.5)

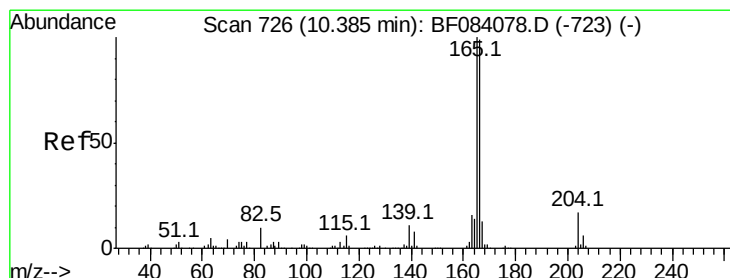
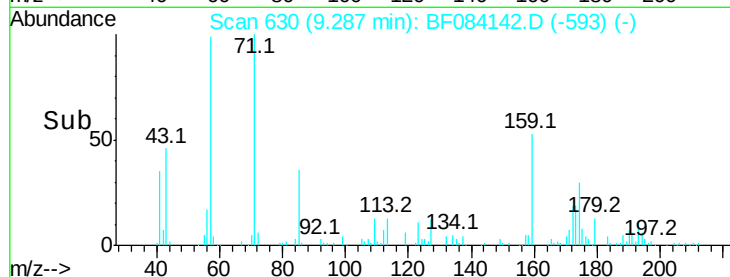
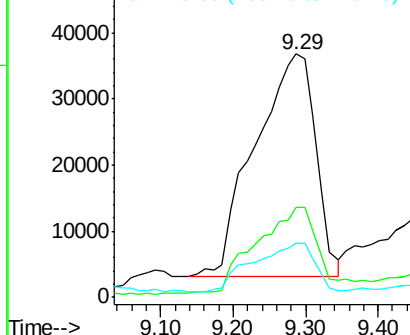
Tot Ion:	172	Resp:	195727
Ion Ratio	Lower	Upper	
172	100		
171	37.0	28.9	43.3
170	22.2	18.6	27.8

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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



#57

Fluorene

Concen: 751.91 ng

RT: 10.54 min Scan# 740

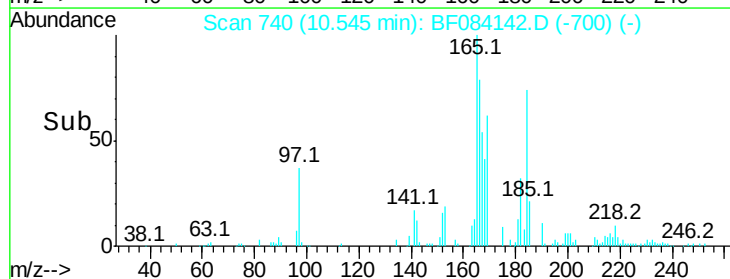
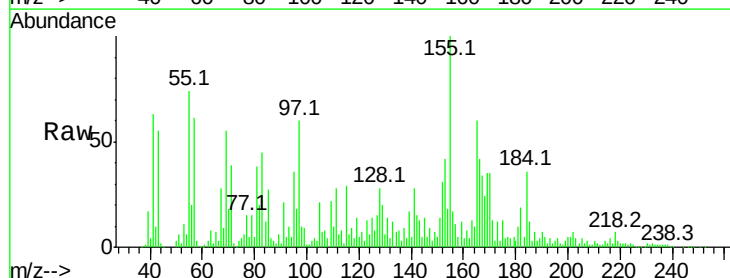
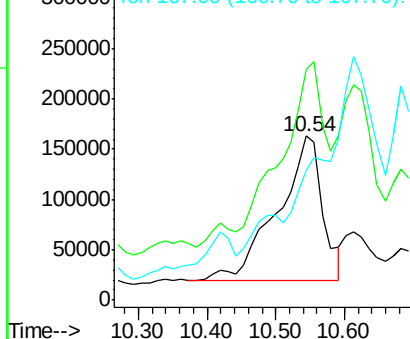
Delta R.T. 0.16 min

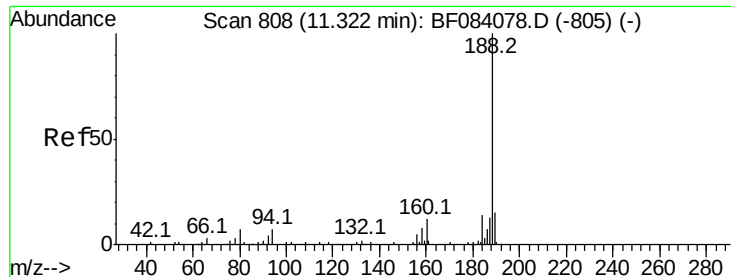
Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Tgt Ion:	166	Resp:	653184
Ion Ratio	Lower	Upper	
166	100		
165	140.7	79.1	118.7#
167	79.3	10.4	15.6#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





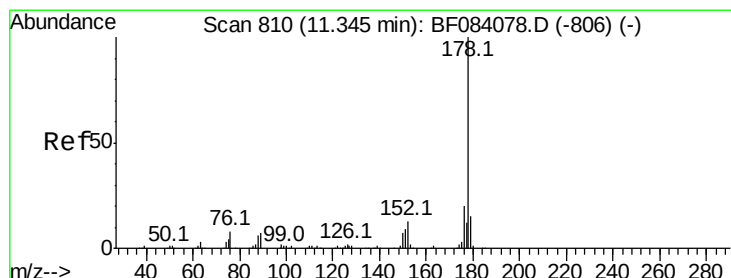
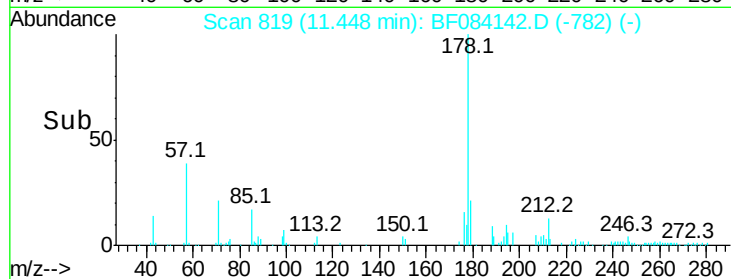
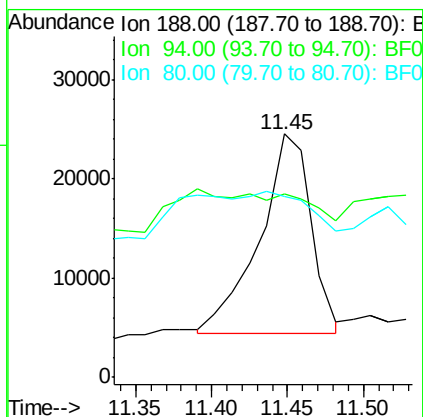
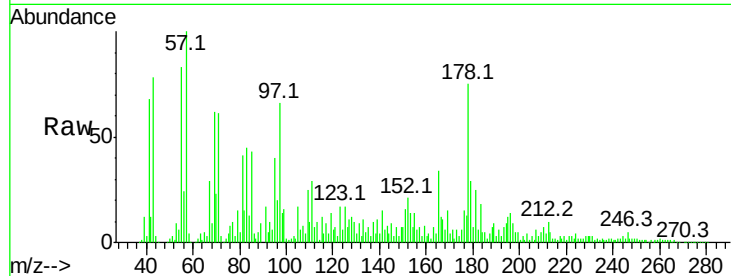
#63
Phenanthrene-d10
Concen: 20.00 ng m
RT: 11.45 min Scan# 819
Delta R.T. 0.13 min
Lab File: BF084142.D
Acq: 25 Dec 2015 21:37

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	75.1	9.0	13.4#	
80	74.1	9.6	14.4#	

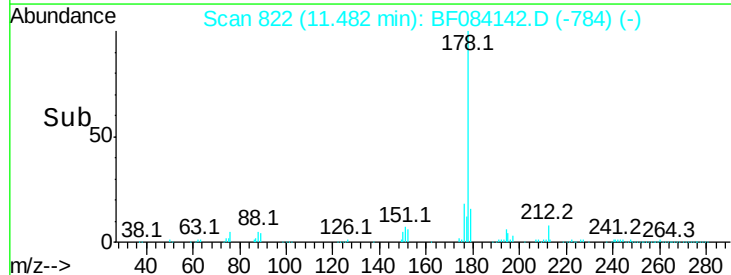
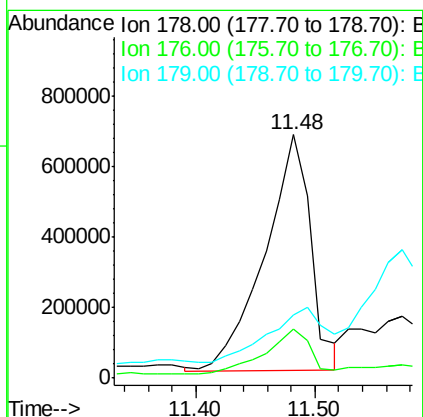
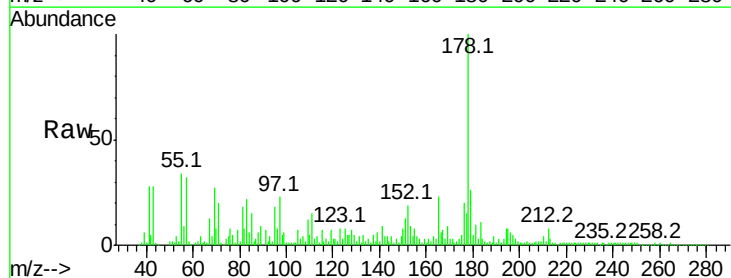
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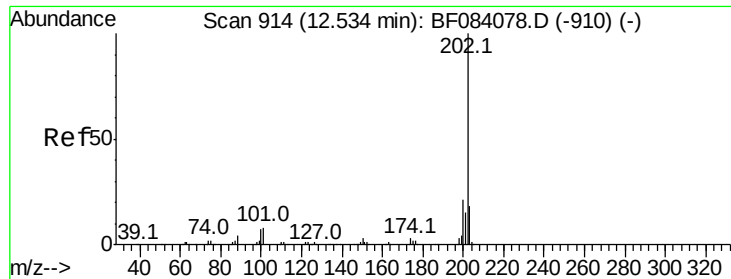
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#70
Phenanthrene
Concen: 638.81 ng m
RT: 11.48 min Scan# 822
Delta R.T. 0.14 min
Lab File: BF084142.D
Acq: 25 Dec 2015 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.3	15.3	22.9	
179	26.1	12.0	18.0#	





#74

Fluoranthene

Concen: 41.96 ng

RT: 12.60 min Scan# 920

Delta R.T. 0.07 min

Lab File: BF084142.D

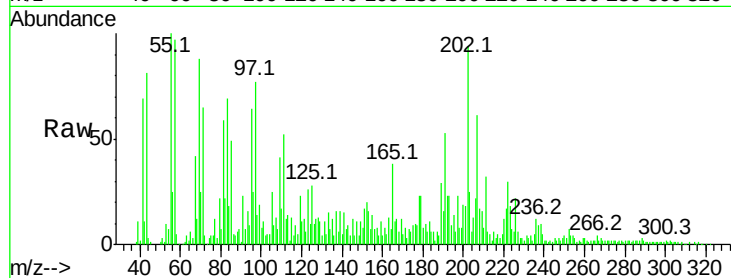
Acq: 25 Dec 2015 21:37

Instrument :

BNA_F

ClientSampleId :

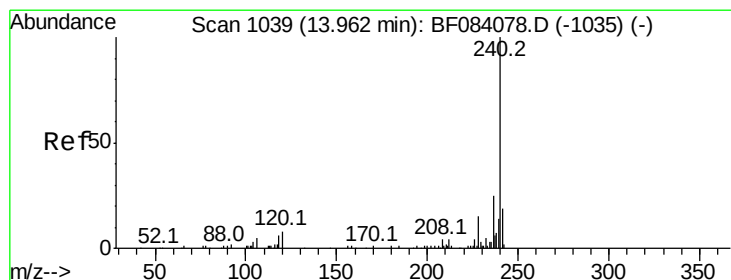
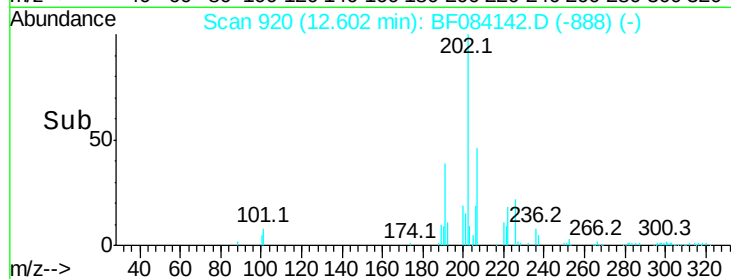
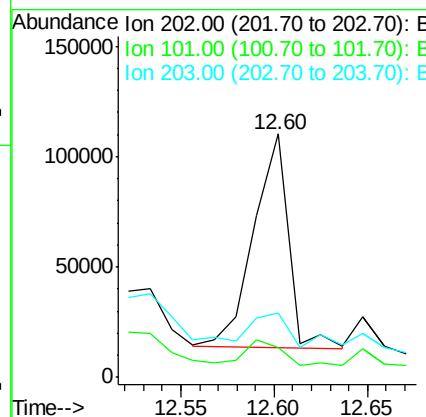
PJ-SB-300(16.0-16.5)



Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.1	0.0	32.8		
203	26.5	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

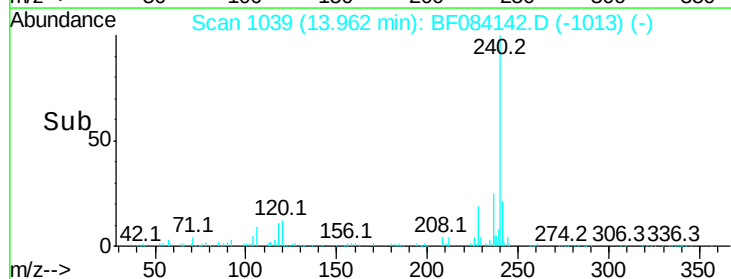
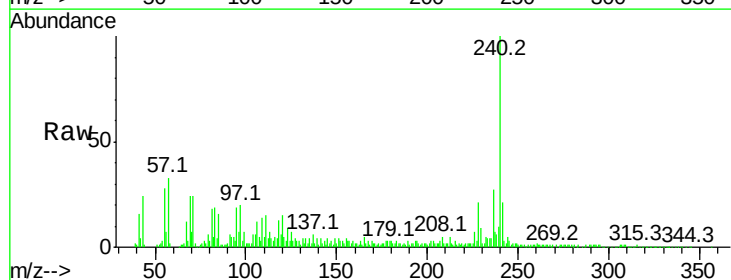
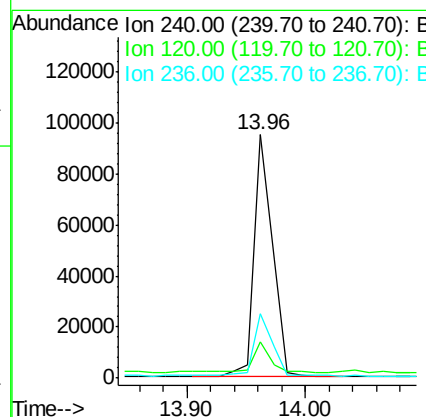
RT: 13.96 min Scan# 1039

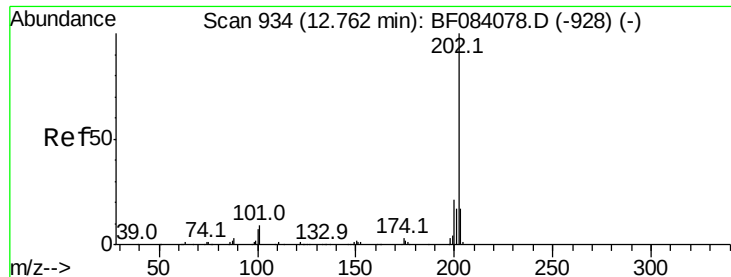
Delta R.T. -0.00 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.9	9.5	14.3#		
236	26.6	20.6	31.0		





#77

Pvrene

Concen: 28.51 ng/mL

RT: 12.81 min Scan# 938

Delta R.T. 0.05 min

Lab File: BF084142.D

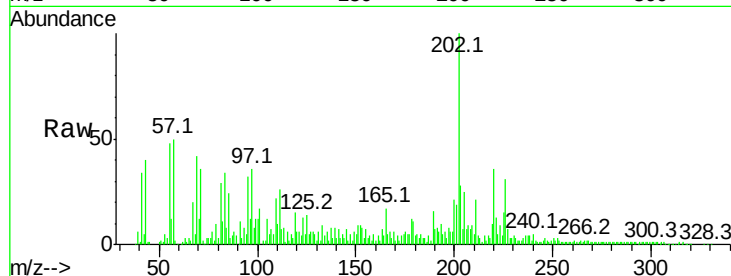
Acq: 25 Dec 2015 21:37

Instrument :

BNA_F

ClientSampleId :

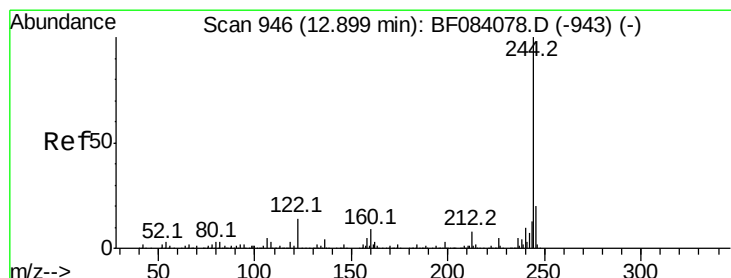
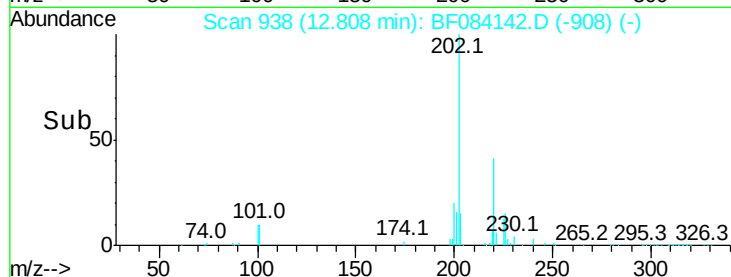
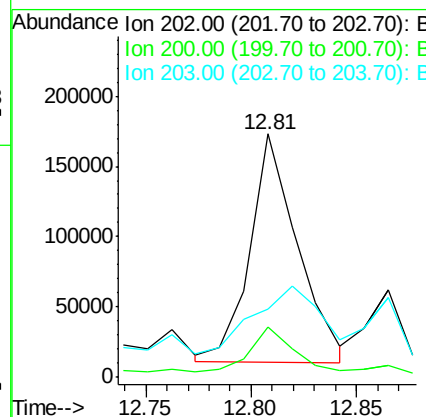
PJ-SB-300(16.0-16.5)



Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.2	25.8
203	28.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 58.83 ng/mL

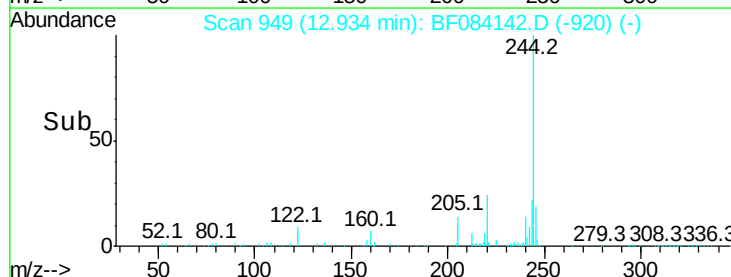
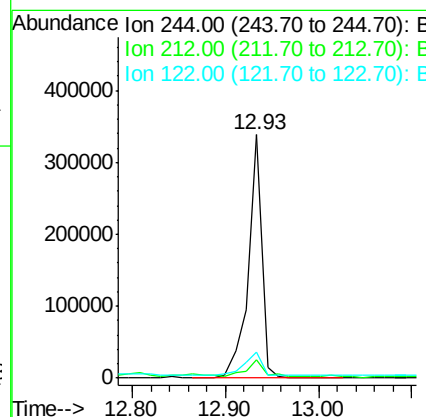
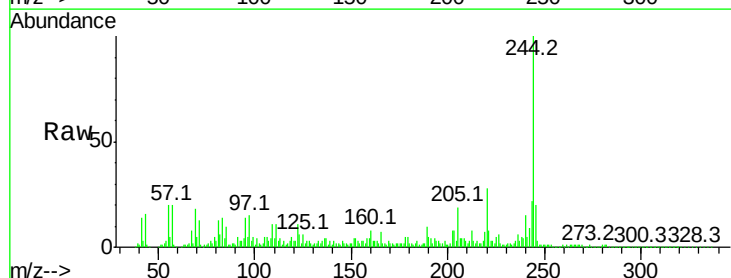
RT: 12.93 min Scan# 949

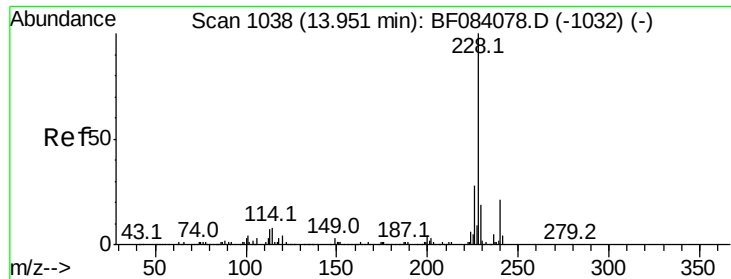
Delta R.T. 0.03 min

Lab File: BF084142.D

Acq: 25 Dec 2015 21:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	5.7	8.5
122	10.9	7.4	11.0





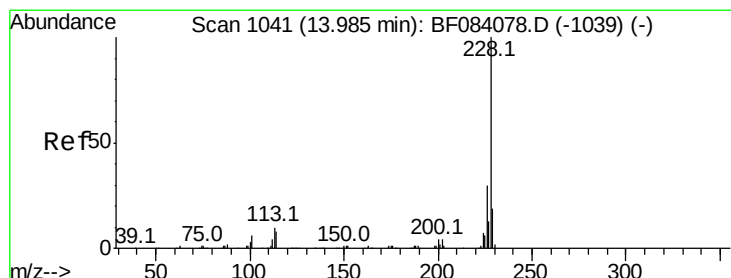
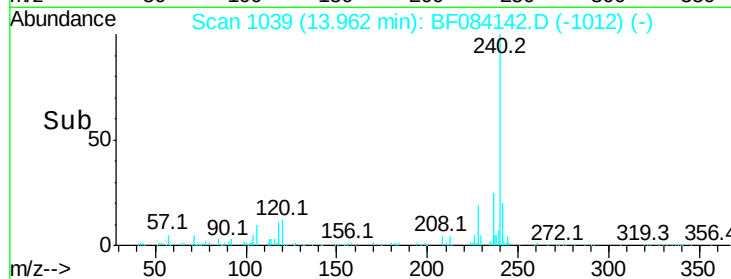
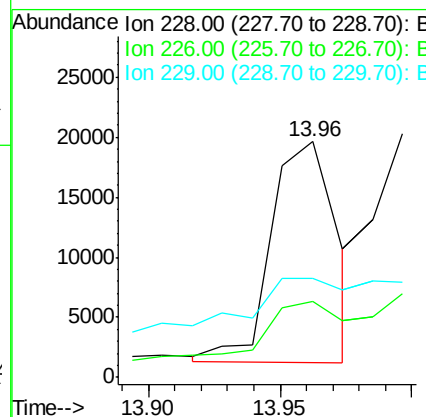
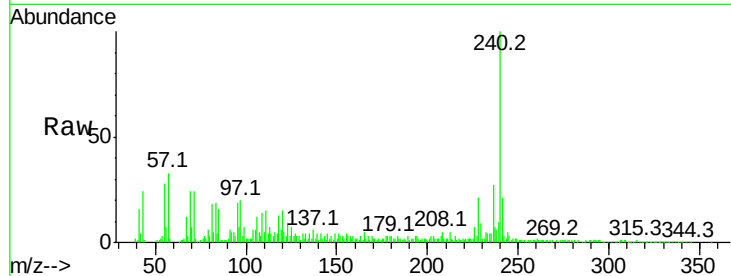
#80
Benzo(a)anthracene
Concen: 5.06 ng m
RT: 13.96 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF084142.D
Acq: 25 Dec 2015 21:37

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.8	32.6
229	41.9	15.8	23.8

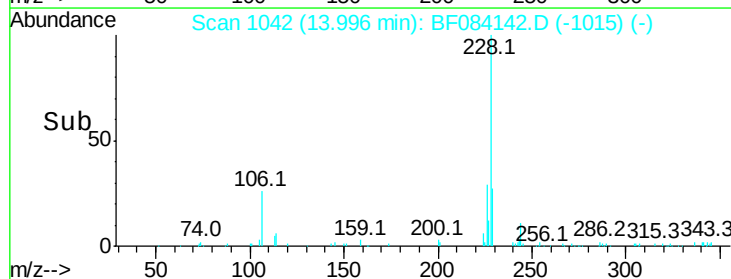
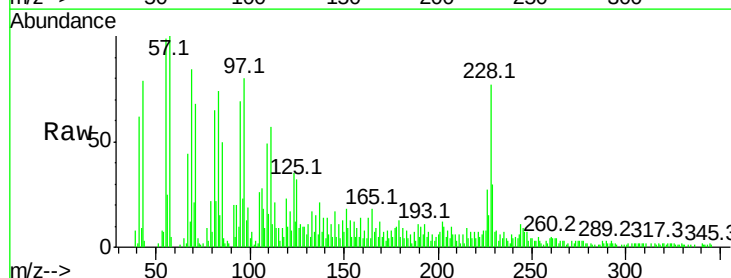
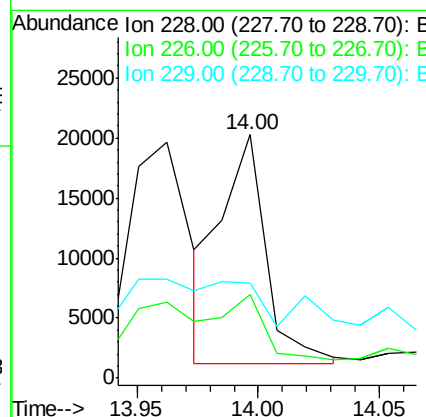
Manual Integrations
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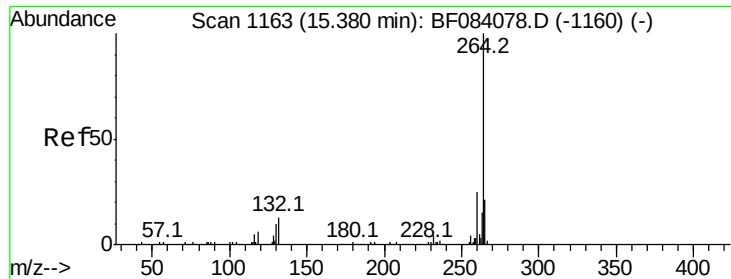
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#82
Chrysene
Concen: 4.18 ng m
RT: 14.00 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF084142.D
Acq: 25 Dec 2015 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	24.3	36.5
229	39.2	16.1	24.1





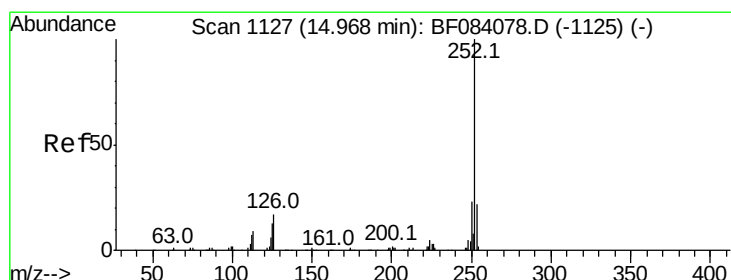
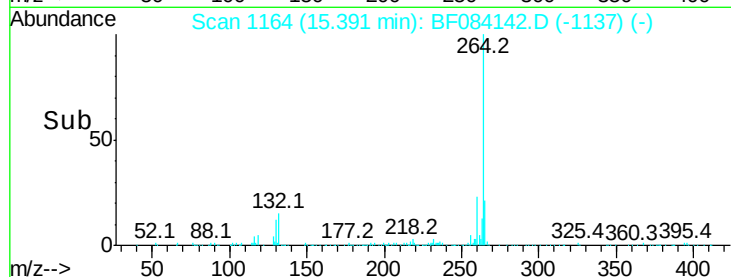
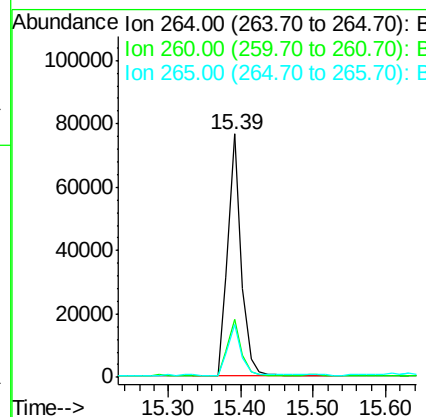
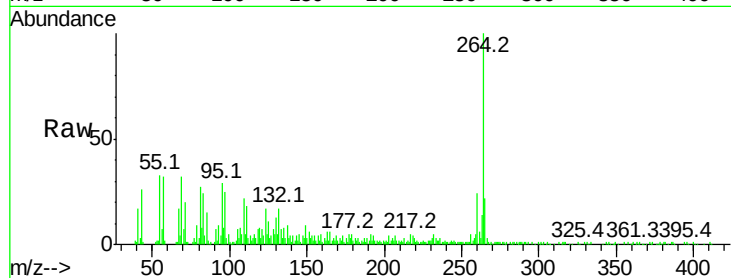
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF084142.D
Acq: 25 Dec 2015 21:37

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.8	17.8	26.6

Manual Integrations
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#87
Benzo(b)fluoranthene
Concen: 2.40 ng m
RT: 14.99 min Scan# 1129
Delta R.T. 0.02 min
Lab File: BF084142.D
Acq: 25 Dec 2015 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.0	17.3	25.9#
125	71.8	6.5	9.7#

