

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081148.D
 Acq On : 21 Aug 2015 16:37
 Operator : UM/IZ
 Sample : G3319-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-3(12-25FTBGS)

Manual Integrations
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 8/24/2015 11:23:32 AM

Quant Time: Aug 21 17:10:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	56374	20.00	ng	-0.03
21) Naphthalene-d8	7.84	136	243339	20.00	ng	-0.03
38) Acenaphthene-d10	9.58	164	107976	20.00	ng	-0.05
63) Phenanthrene-d10	11.05	188	230662	20.00	ng	-0.03
75) Chrysene-d12	13.66	240	185957	20.00	ng	-0.05
86) Perylene-d12	15.00	264	150824	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	541585	144.50	ng	-0.01
7) Phenol-d6	6.21	99	676915	138.42	ng	-0.02
23) Nitrobenzene-d5	7.12	82	421031	79.04	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	127594	136.32	ng	-0.03
44) 2-Fluorobiphenyl	8.92	172	465474	56.48	ng	-0.05
78) Terphenyl-d14	12.64	244	437118	50.39	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.32	163	87919	9.89	ng	100
70) Phenanthrene	11.08	178	140523	10.28	ng	98
71) Anthracene	11.12	178	40241	3.03	ng	98
74) Fluoranthene	12.27	202	236832	16.06	ng	98
77) Pyrene	12.47	202	210191m	13.90	ng	
80) Benzo(a)anthracene	13.66	228	94599	7.59	ng	99
82) Chrysene	13.69	228	72311m	6.43	ng	
85) Indeno(1,2,3-cd)pyrene	16.16	276	29489	3.74	ng	# 89
87) Benzo(b)fluoranthene	14.64	252	76004m	7.12	ng	
88) Benzo(k)fluoranthene	14.65	252	31082m	3.13	ng	
89) Benzo(a)pyrene	14.94	252	61831	6.65	ng	# 94
91) Benzo(g,h,i)perylene	16.52	276	27599m	3.76	ng	

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

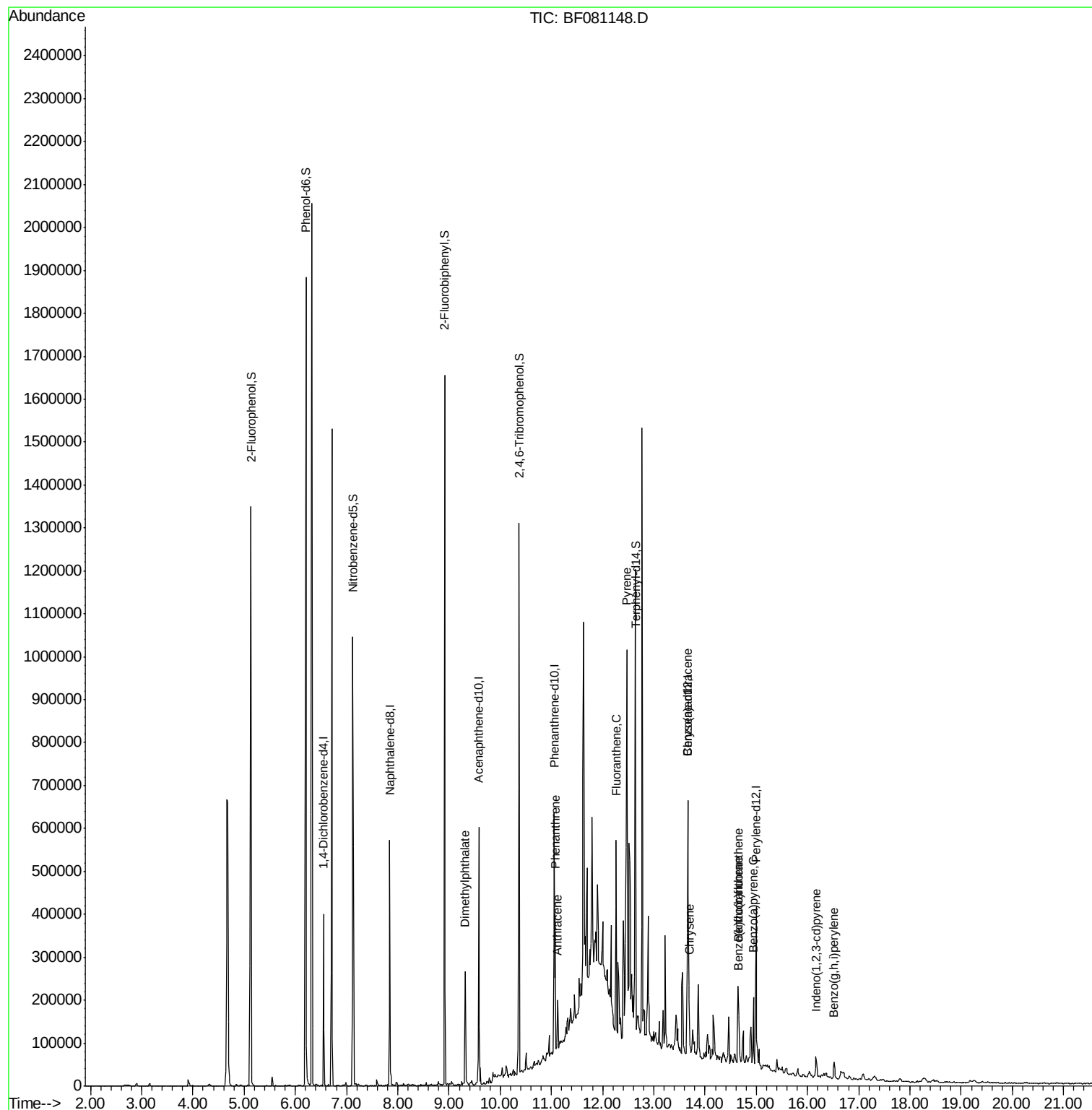
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

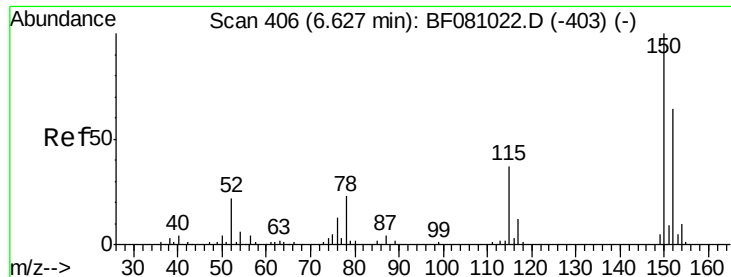
Instrument :
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NCB-015CS-3(12-25FTBGS)

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#1

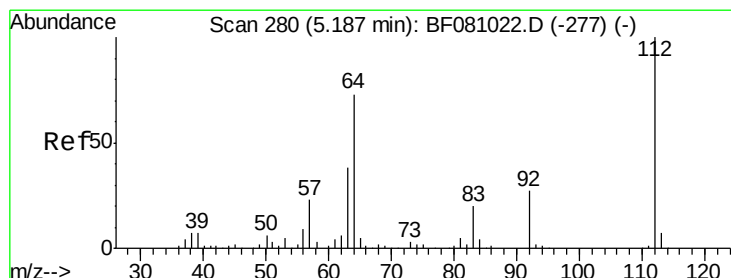
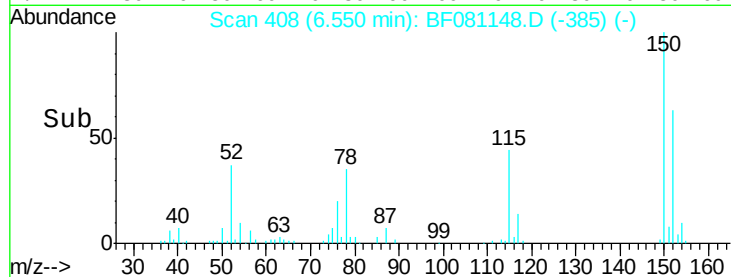
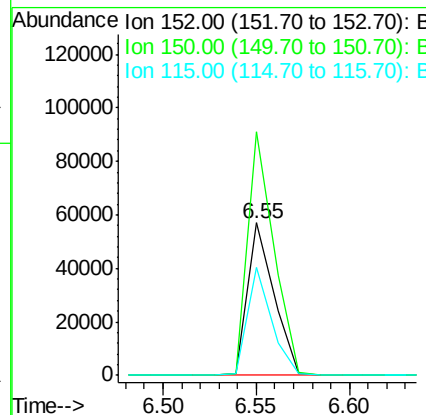
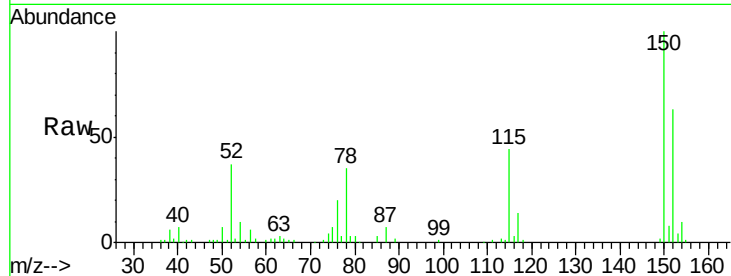
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.0	123.8	185.6
115	70.8	52.1	78.1

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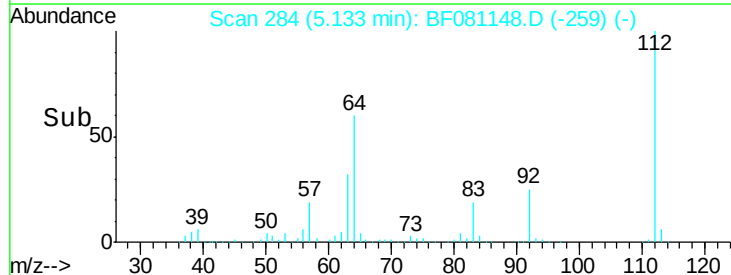
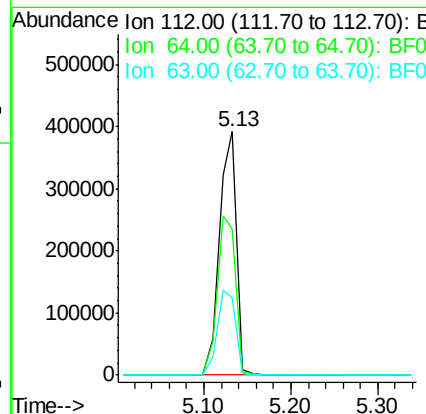
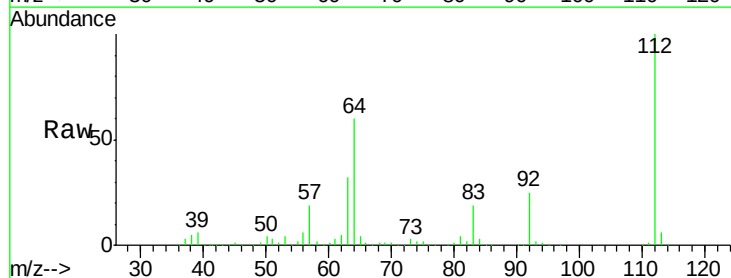
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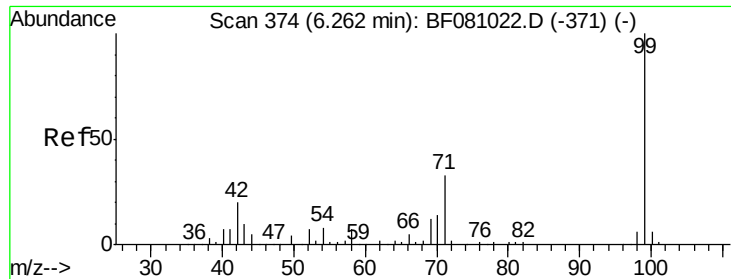


#5

2-Fluorophenol
Concen: 144.50 ng
RT: 5.13 min Scan# 284
Delta R.T. -0.01 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	66.9	100.3#
63	31.6	38.1	57.1#





#7

Phenol-d6

Concen: 138.42 ng

RT: 6.21 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF081148.D

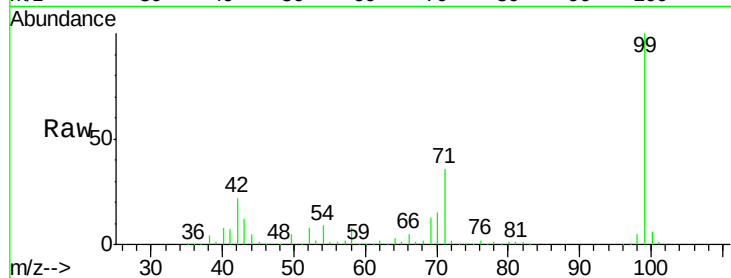
Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

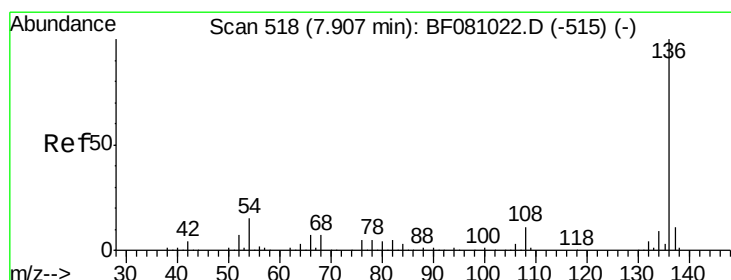
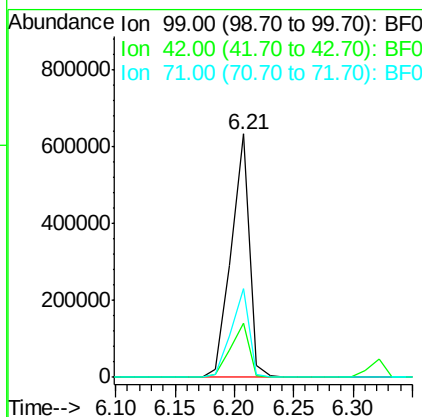
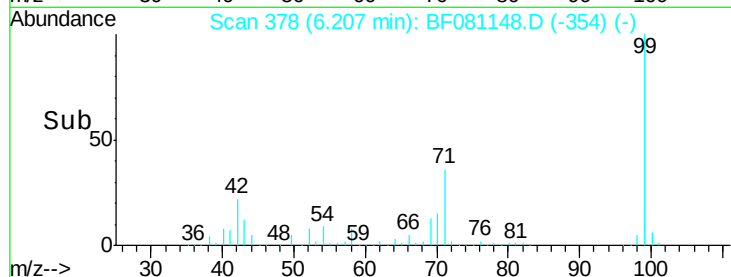
NCB-015CS-3(12-25FTBGS)



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	676915		
42	22.3	19.6	29.4	
71	36.3	31.2	46.8	

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#21

Naphthalene-d8

Concen: 20.00 ng

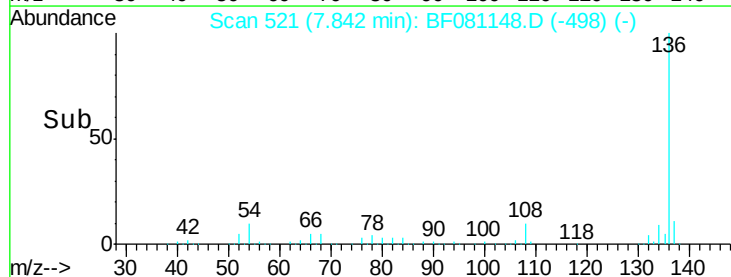
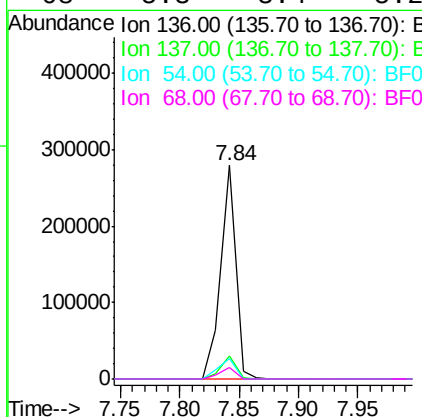
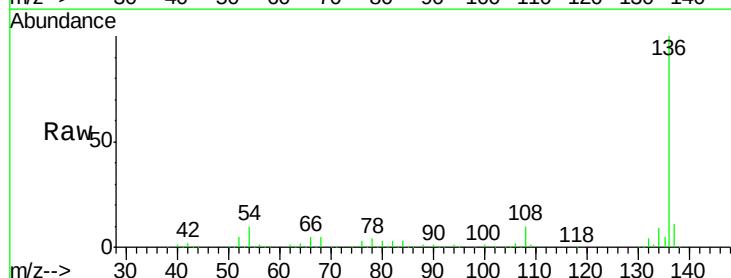
RT: 7.84 min Scan# 521

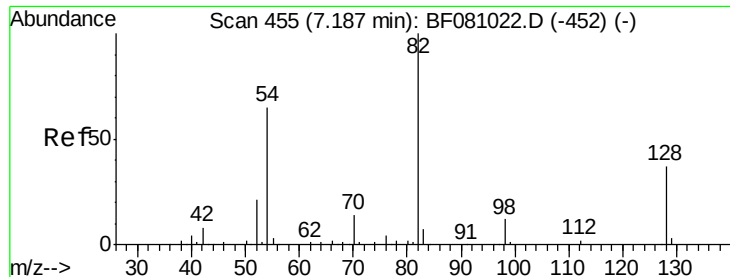
Delta R.T. -0.03 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	243339		
137	10.5	8.2	12.2	
54	9.9	7.7	11.5	
68	5.3	3.4	5.2	





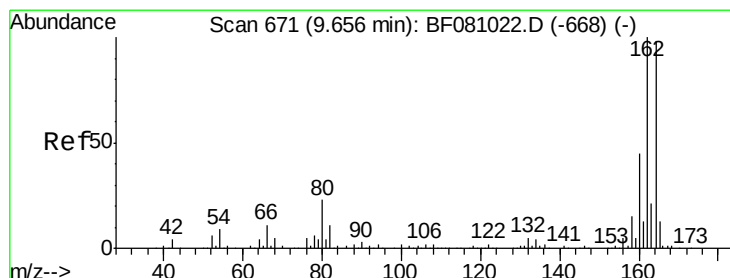
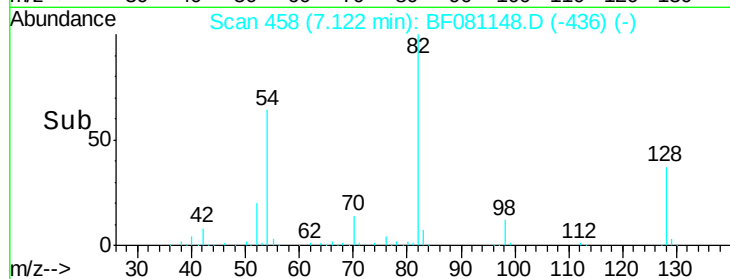
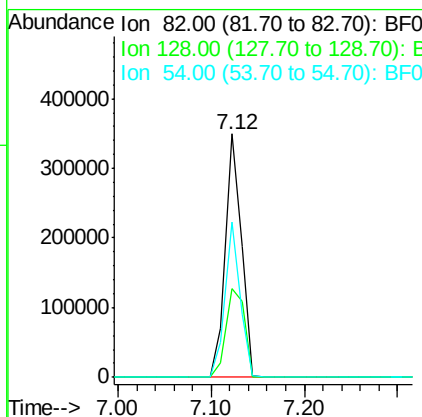
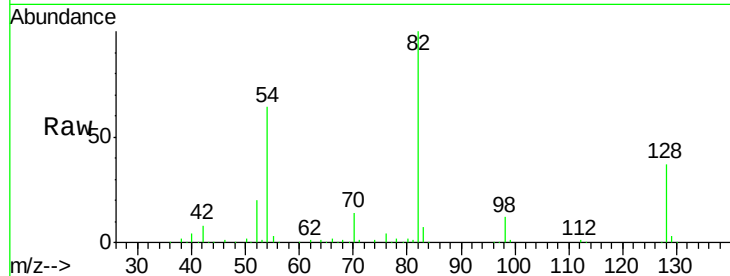
#23
 Nitrobenzene-d5
 Concen: 79.04 ng
 RT: 7.12 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-3(12-25FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	421031		
128	36.6	28.6	42.8	
54	63.9	55.1	82.7	

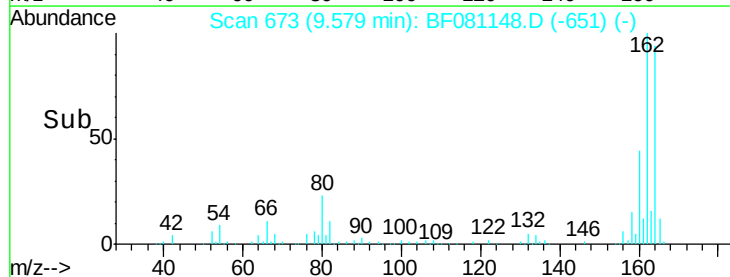
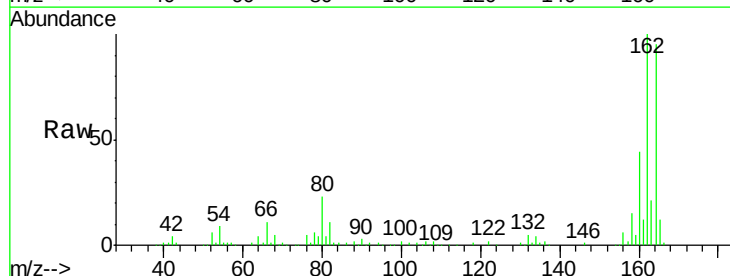
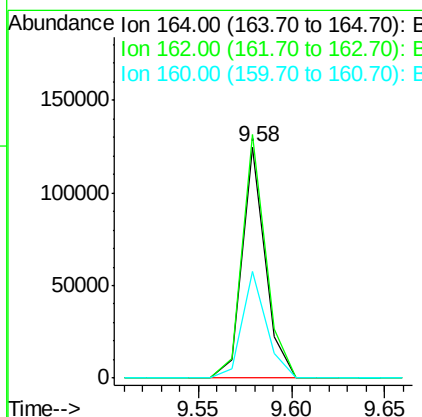
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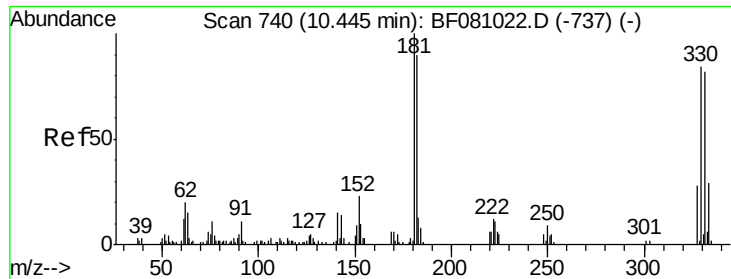
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107976		
162	105.4	83.8	125.8	
160	46.2	39.8	59.8	





#41

2,4,6-Tribromophenol

Concen: 136.32 ng

RT: 10.37 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF081148.D

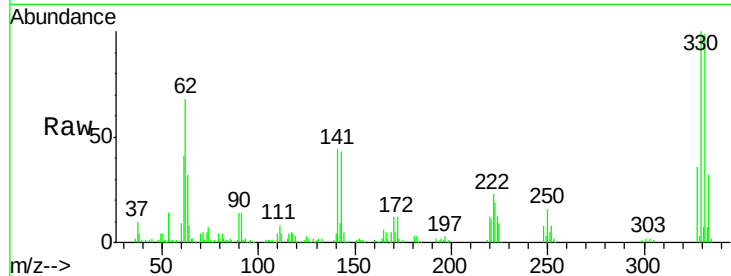
Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

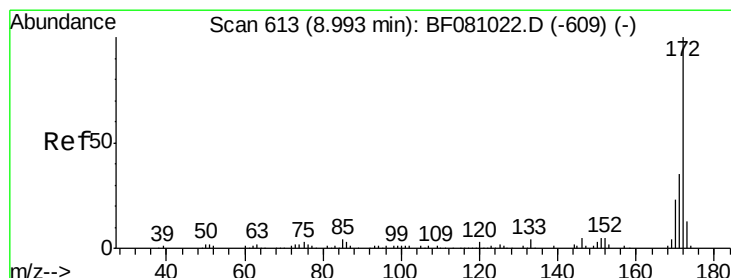
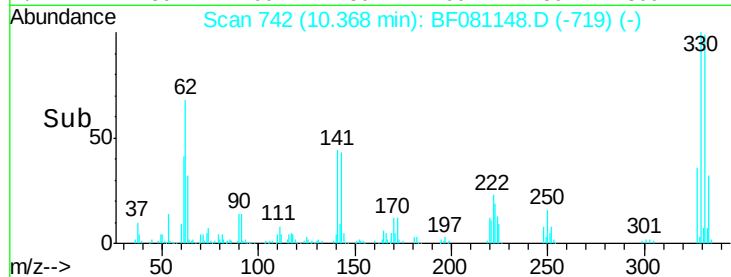
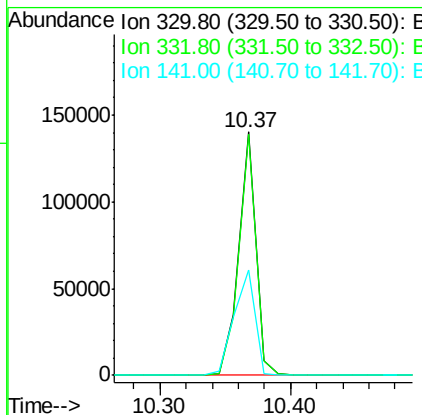
NCB-015CS-3(12-25FTBGS)



Tgt Ion:	330	Resp:	127594
Ion Ratio	Lower	Upper	
330	100		
332	98.3	77.3	115.9
141	53.2	44.9	67.3

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#44

2-Fluorobiphenyl

Concen: 56.48 ng

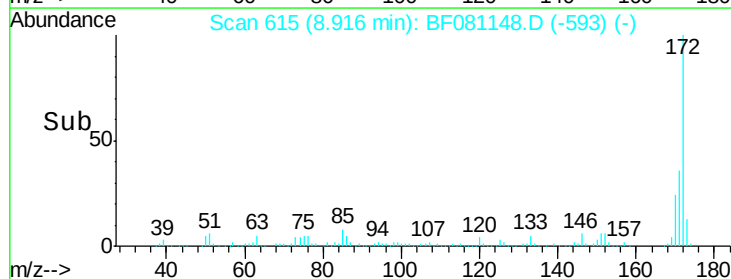
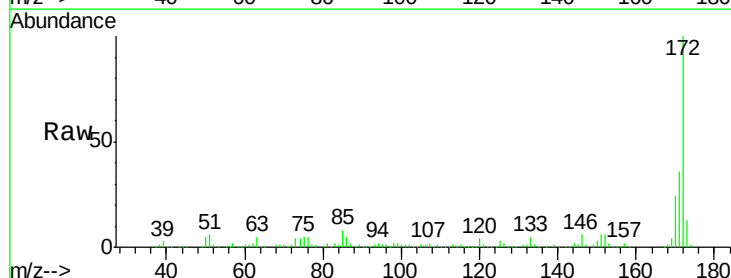
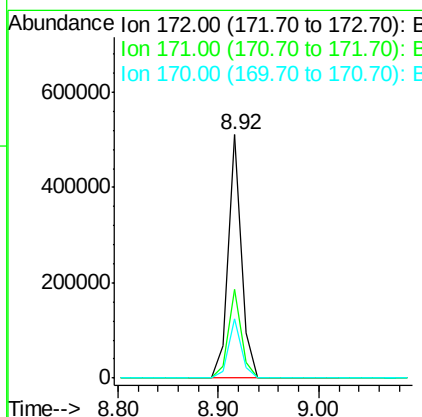
RT: 8.92 min Scan# 615

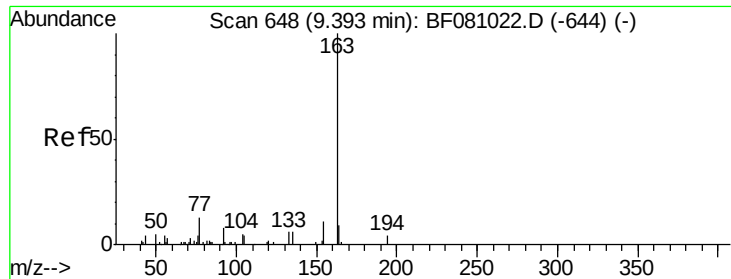
Delta R.T. -0.05 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

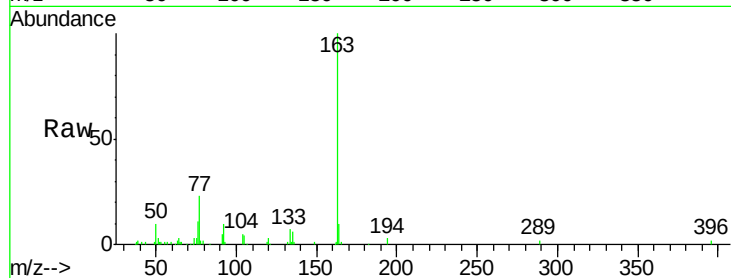
Tgt Ion:	172	Resp:	465474
Ion Ratio	Lower	Upper	
172	100		
171	36.4	28.9	43.3
170	24.5	19.4	29.2





#49
Dimethylphthalate
Concen: 9.89 ng
RT: 9.32 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

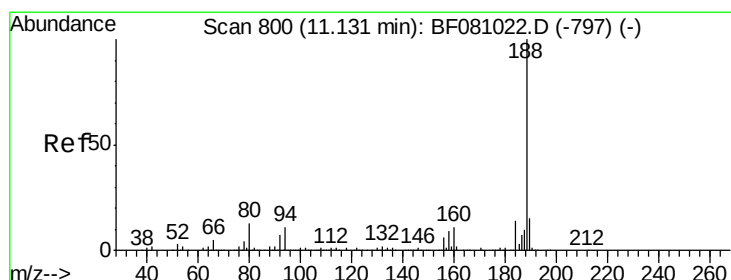
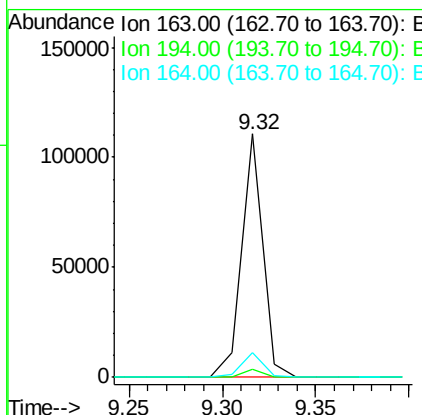
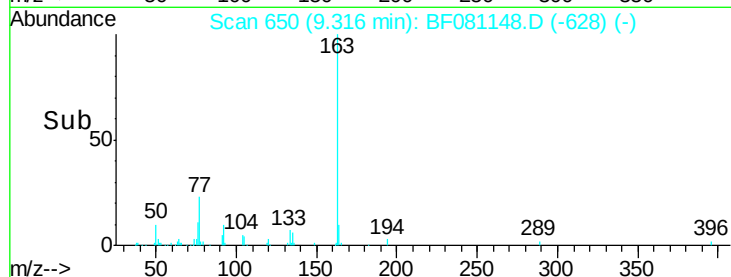
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)



Tgt Ion	Ratio	Resp	Lower	Upper
163	100	87919		
194	3.1		2.5	3.7
164	10.3		8.1	12.1

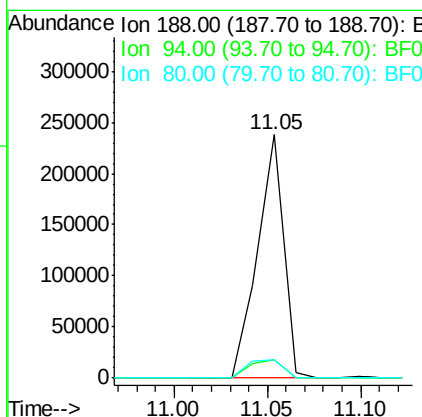
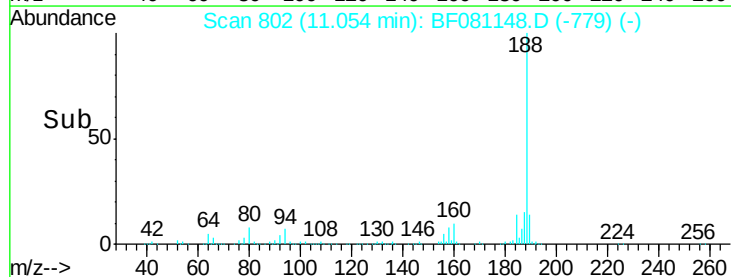
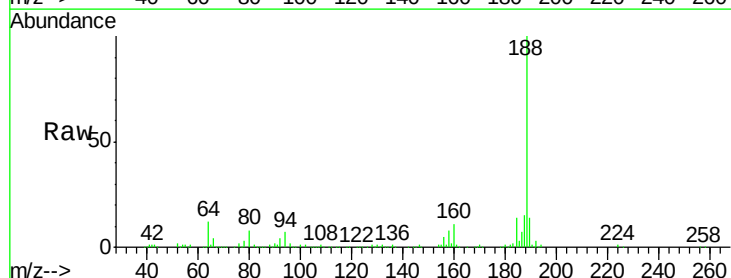
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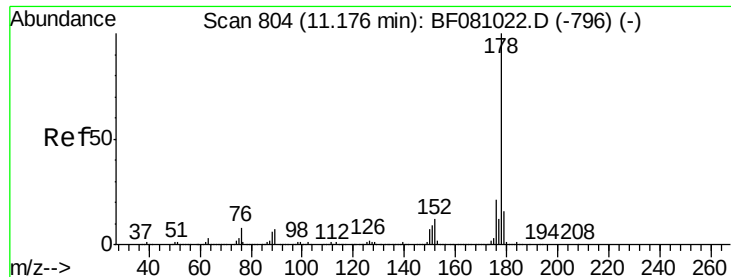
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.03 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	230662		
94	7.5		8.2	12.2#
80	7.6		9.5	14.3#





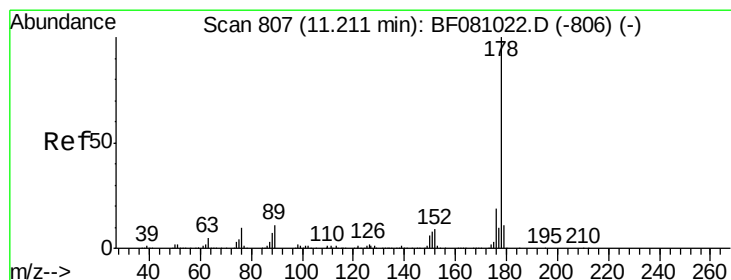
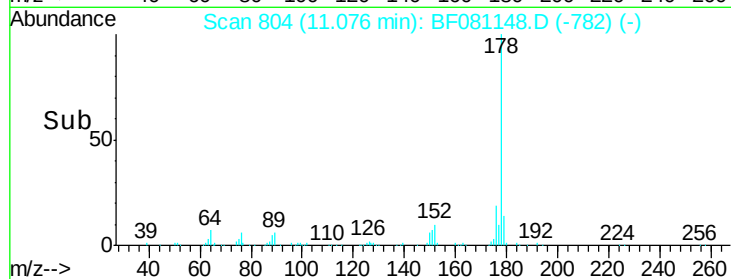
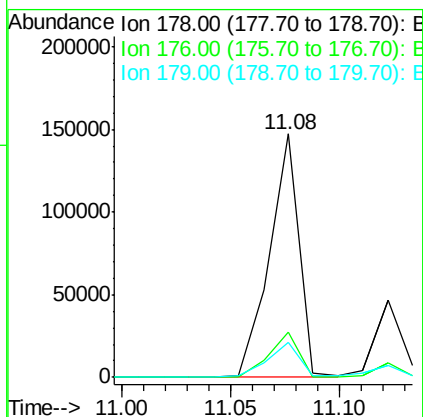
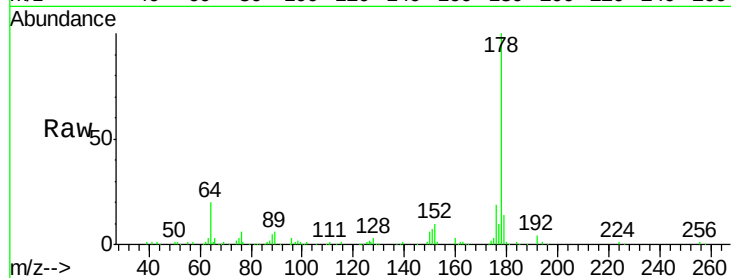
#70
Phenanthrene
Concen: 10.28 ng
RT: 11.08 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	140523		
176	18.7	15.7	23.5	
179	14.3	12.2	18.2	

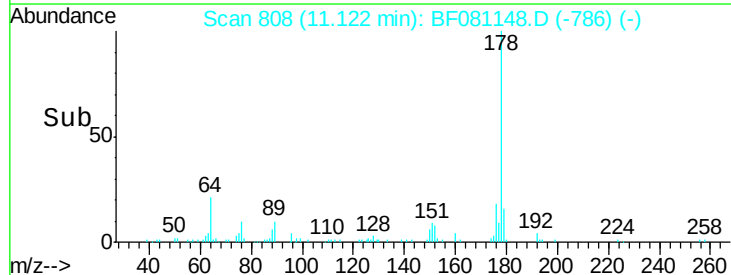
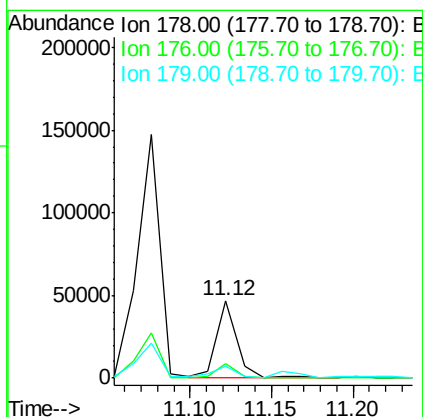
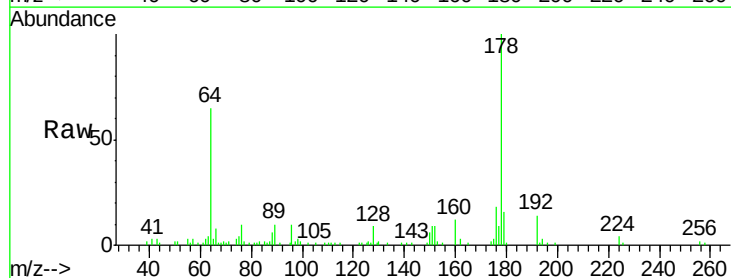
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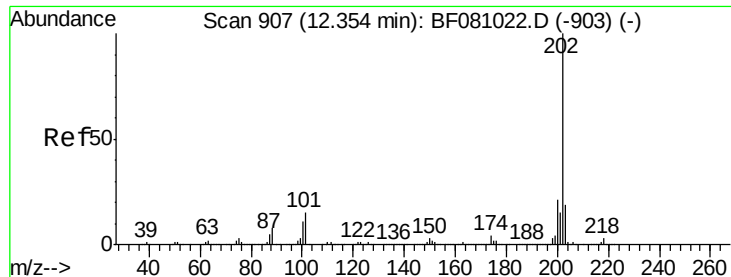
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#71
Anthracene
Concen: 3.03 ng
RT: 11.12 min Scan# 808
Delta R.T. -0.05 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	40241		
176	17.9	15.7	23.5	
179	15.7	12.7	19.1	





#74

Fluoranthene

Concen: 16.06 ng

RT: 12.27 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

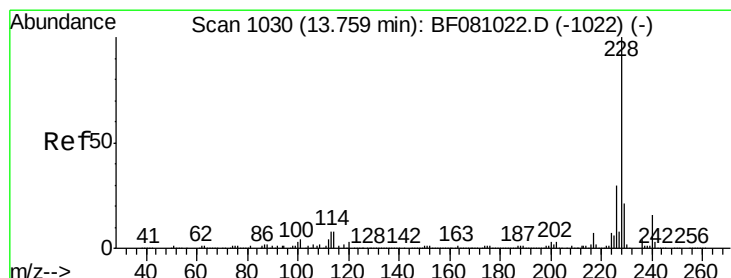
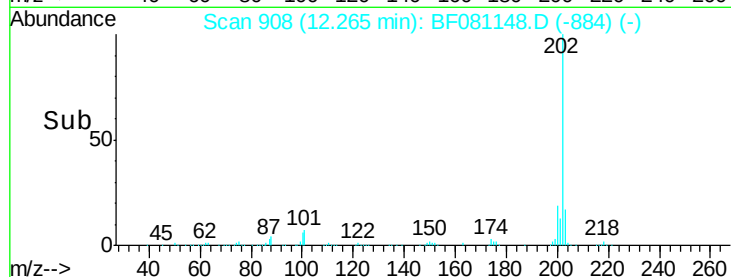
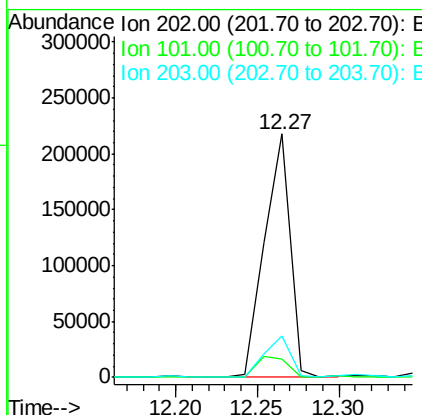
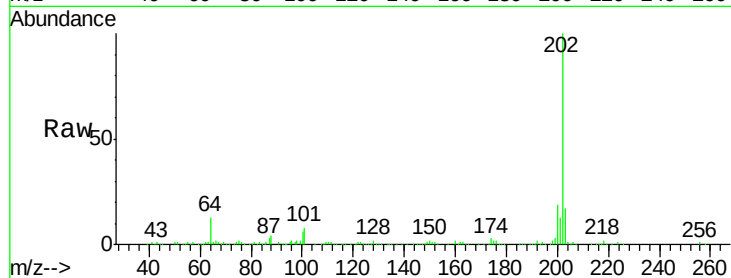
ClientSampleId :

NCB-015CS-3(12-25FTBGS)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		236832		
101	7.6	0.0	24.8		
203	16.9	0.0	36.9		

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#75

Chrysene-d12

Concen: 20.00 ng

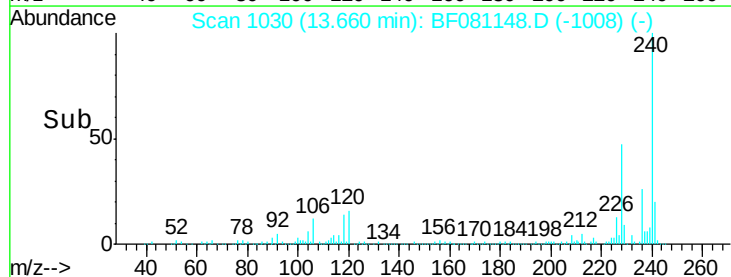
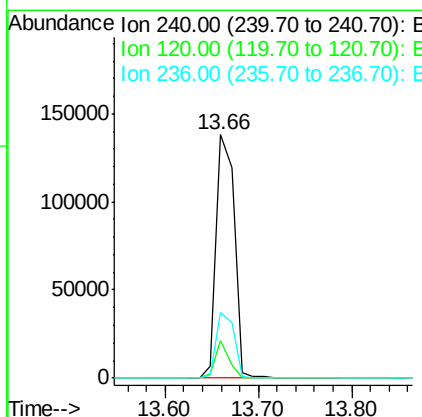
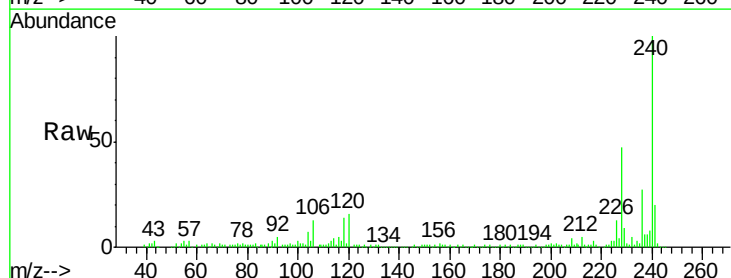
RT: 13.66 min Scan# 1030

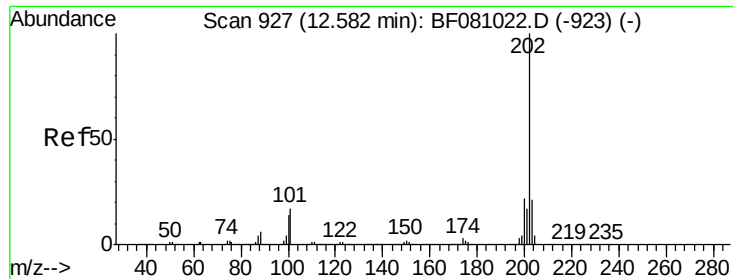
Delta R.T. -0.05 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		185957		
120	15.6	5.6	8.4#		
236	26.7	20.6	30.8		





#77

Pyrene

Concen: 13.90 ng m

RT: 12.47 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF081148.D

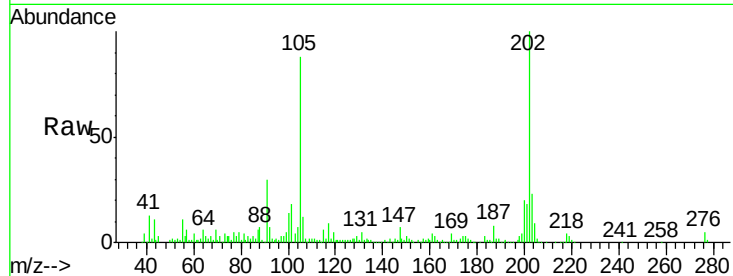
Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

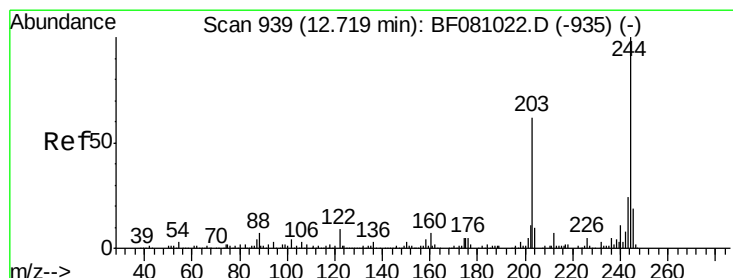
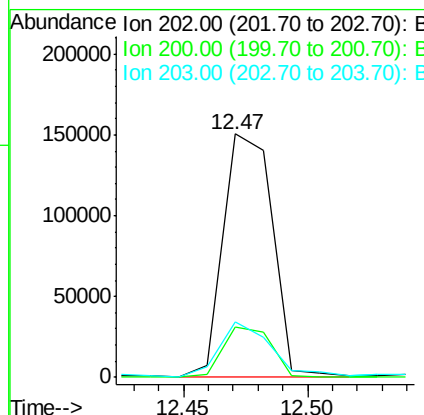
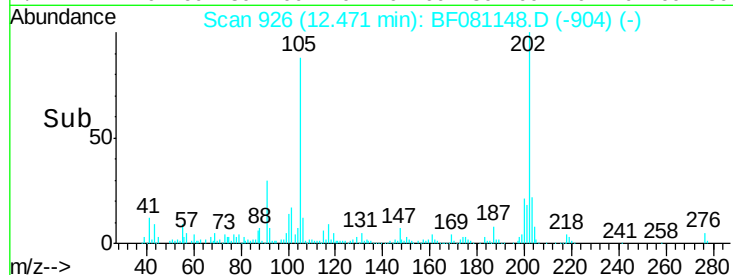
NCB-015CS-3(12-25FTBGS)



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	210191		
200	20.4	16.6	24.8	
203	22.6	14.1	21.1	

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#78

Terphenyl-d14

Concen: 50.39 ng

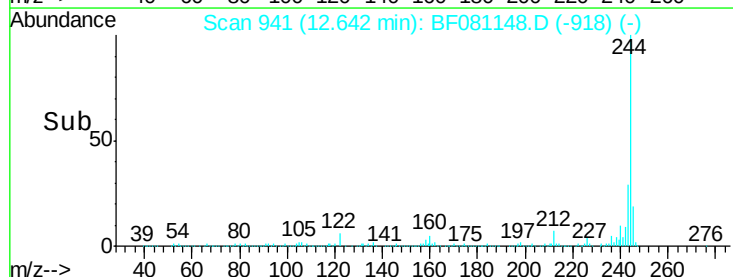
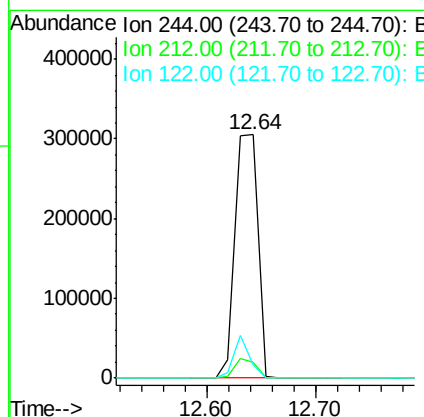
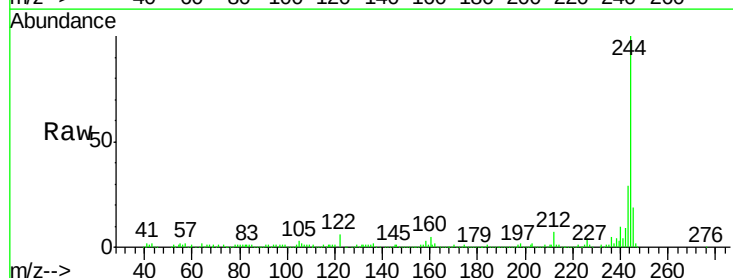
RT: 12.64 min Scan# 941

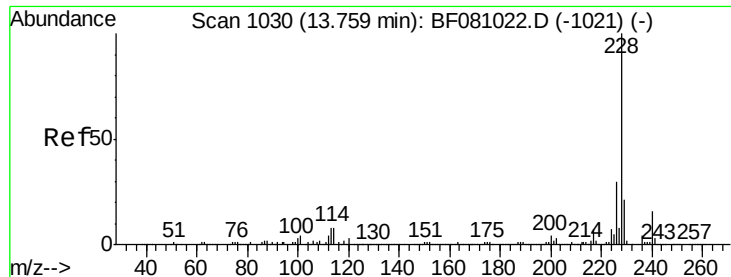
Delta R.T. -0.03 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	437118		
212	6.5	5.8	8.8	
122	5.7	8.2	12.4	





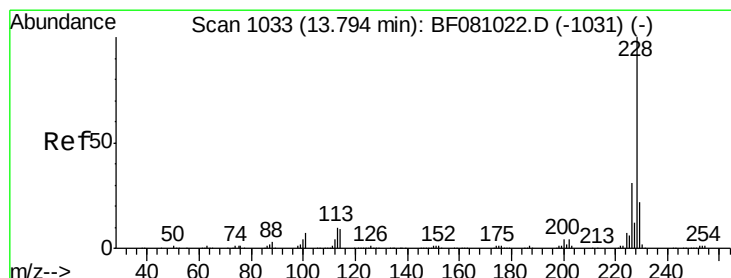
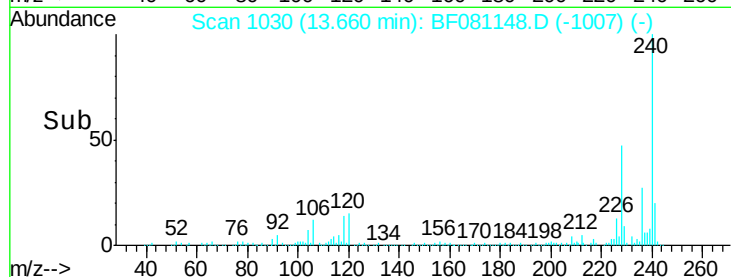
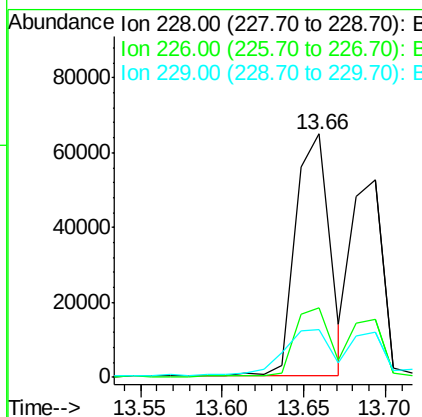
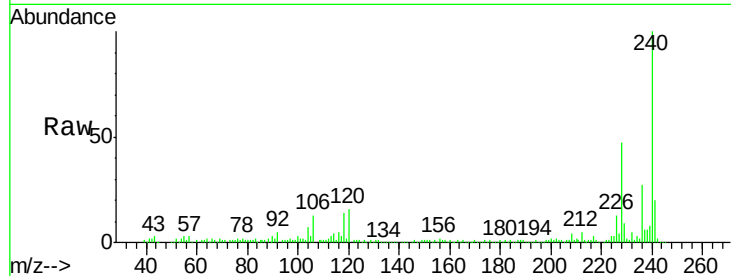
#80
Benzo(a)anthracene
Concen: 7.59 ng
RT: 13.66 min Scan# 1030
Delta R.T. -0.03 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	19.8	15.9	23.9

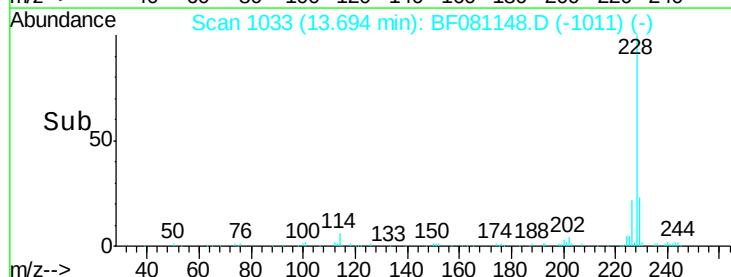
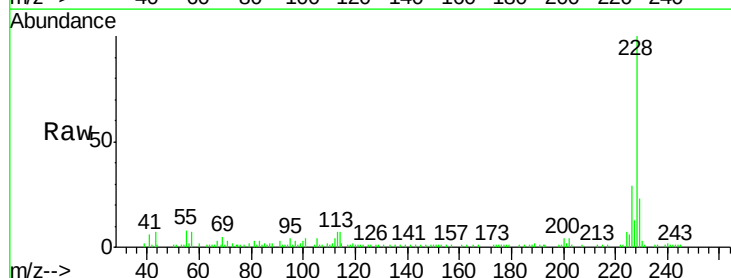
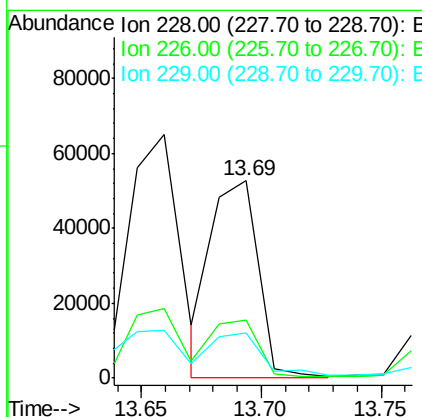
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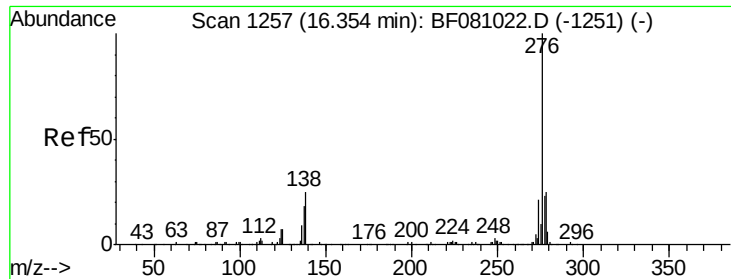
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#82
Chrysene
Concen: 6.43 ng m
RT: 13.69 min Scan# 1033
Delta R.T. -0.05 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	22.9	16.0	24.0





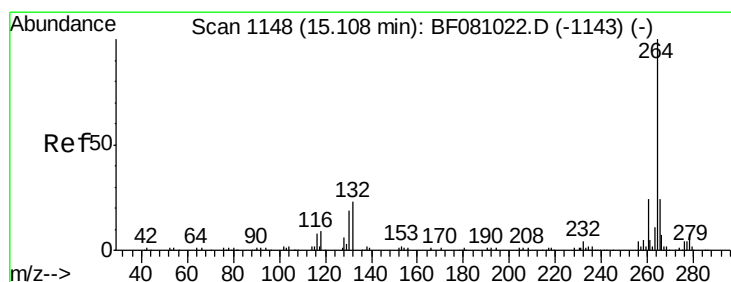
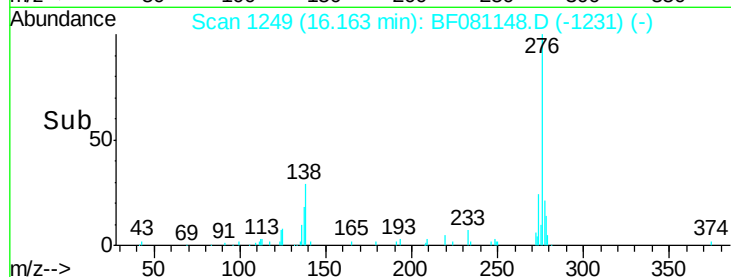
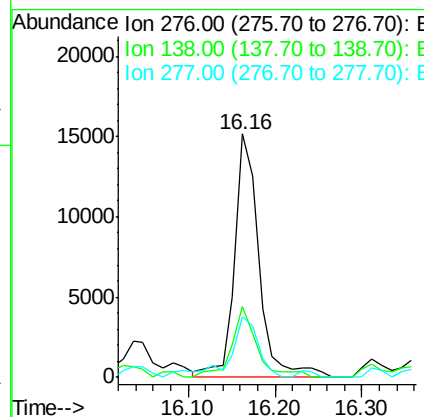
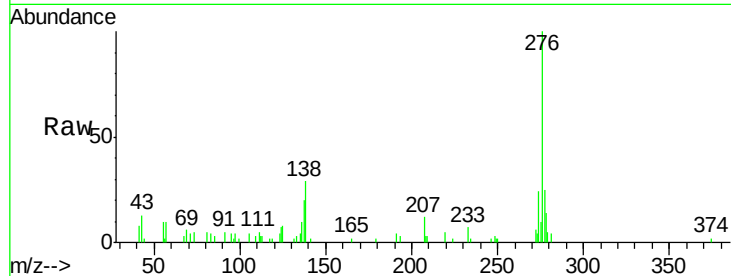
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.74 ng
 RT: 16.16 min Scan# 1249
 Delta R.T. -0.09 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-3(12-25FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	29489		
138	29.8	18.6	28.0#	
277	29.6	19.8	29.8	

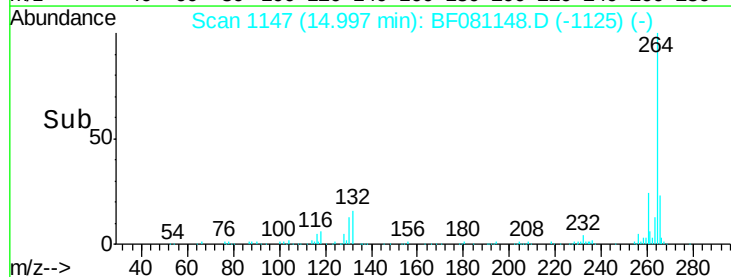
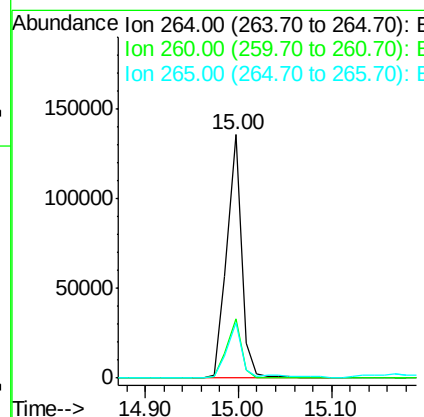
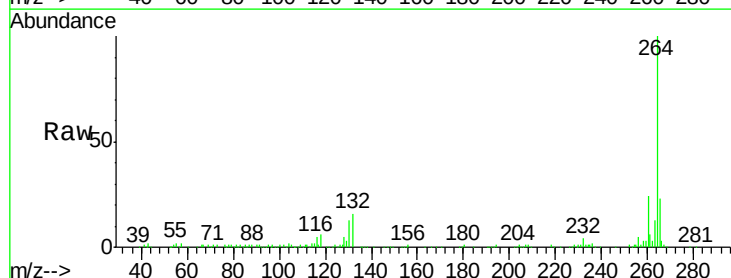
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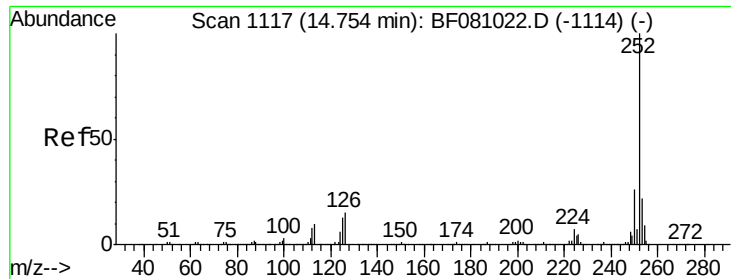
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.00 min Scan# 1147
 Delta R.T. -0.05 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	150824		
260	24.4	19.6	29.4	
265	22.6	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 7.12 ng m

RT: 14.64 min Scan# 1116

Delta R.T. -0.05 min

Lab File: BF081148.D

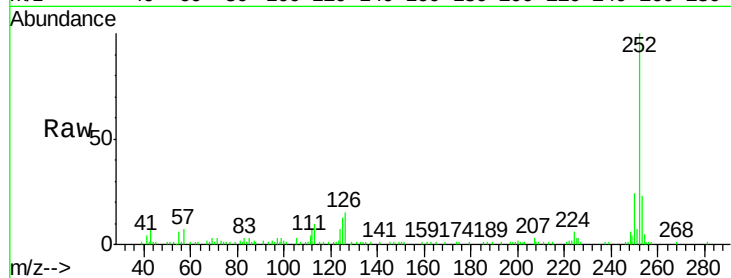
Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

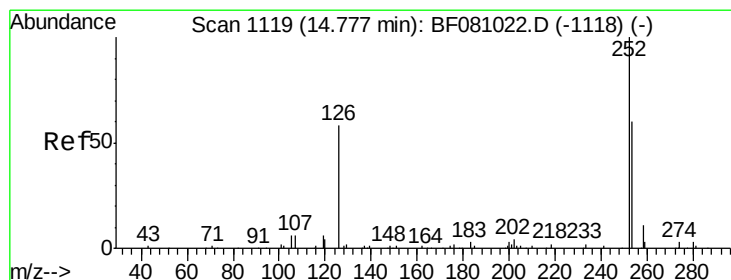
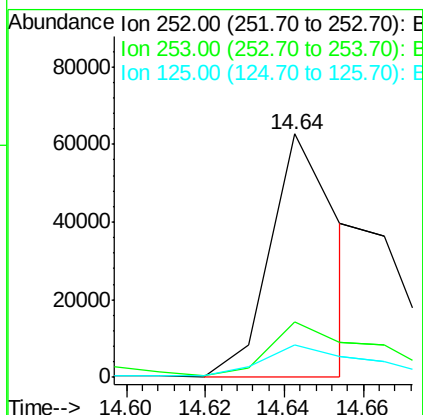
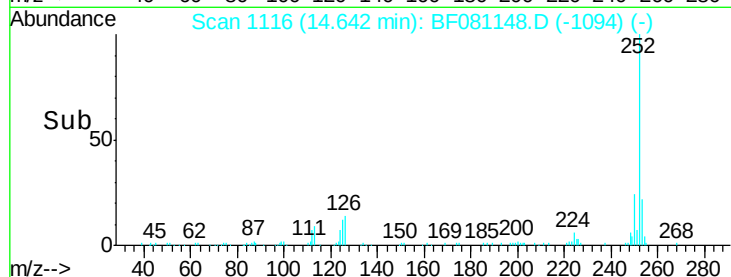
NCB-015CS-3(12-25FTBGS)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.3	8.0	12.0

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#88

Benzo(k)fluoranthene

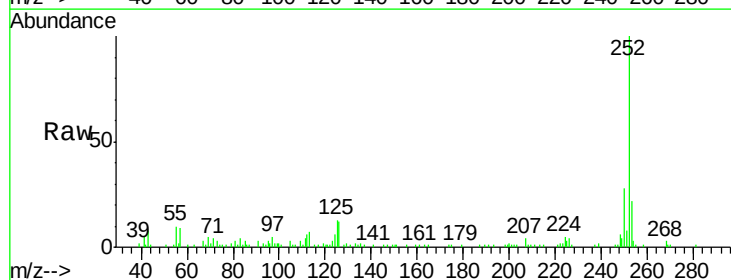
Concen: 3.13 ng m

RT: 14.65 min Scan# 1117

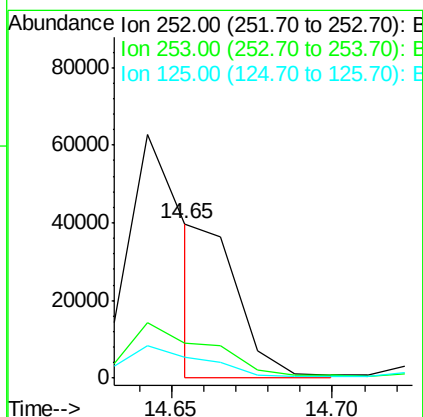
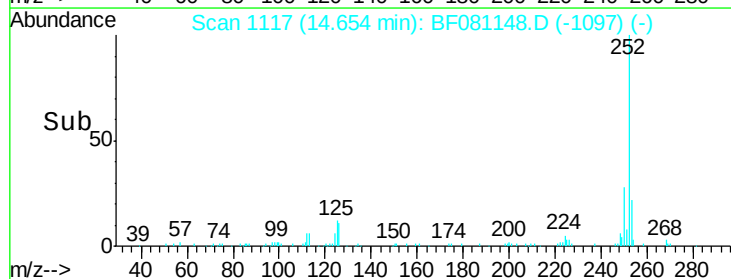
Delta R.T. -0.07 min

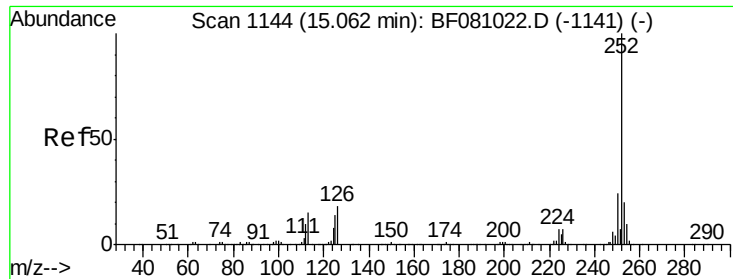
Lab File: BF081148.D

Acq: 21 Aug 2015 16:37



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	13.3	10.3	15.5





#89

Benzo(a)pyrene

Concen: 6.65 ng

RT: 14.94 min Scan# 1142

Delta R.T. -0.06 min

Lab File: BF081148.D

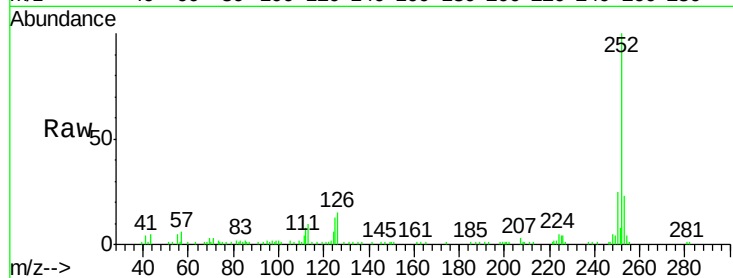
Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

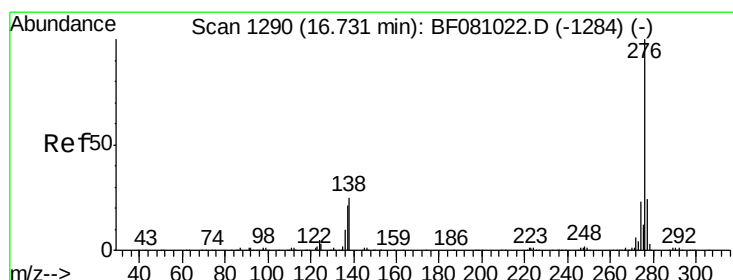
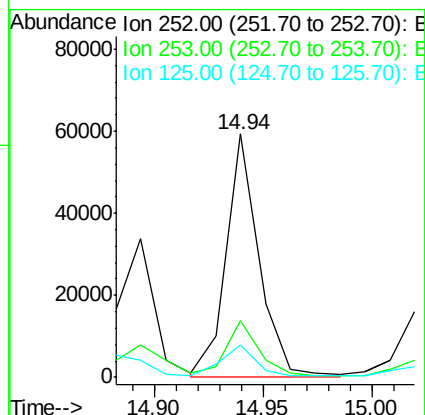
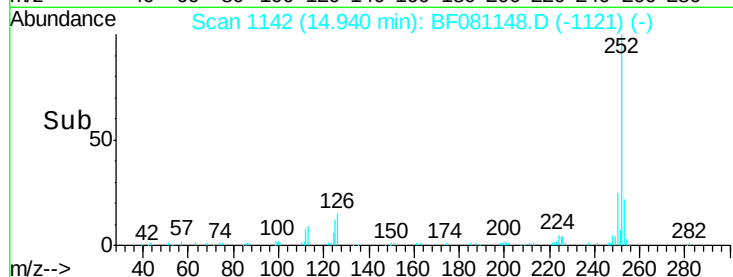
NCB-015CS-3(12-25FTBGS)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.6	25.0
125	13.1	7.8	11.8

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#91

Benzo(g,h,i)perylene

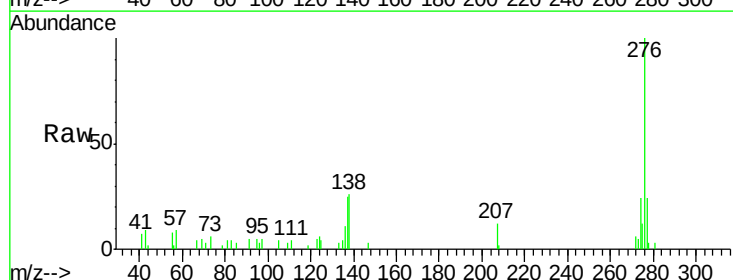
Concen: 3.76 ng m

RT: 16.52 min Scan# 1280

Delta R.T. -0.10 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.2	27.2
138	26.3	13.7	20.5

