

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081149.D
 Acq On : 21 Aug 2015 17:08
 Operator : UM/IZ
 Sample : G3319-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-2(0-12FTBGS)

Manual Integrations
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 8/24/2015 11:23:37 AM

Quant Time: Aug 22 05:09:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 21 23:26:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	58048	20.00	ng	-0.01
21) Naphthalene-d8	7.84	136	255640	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	109557	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	217391	20.00	ng	0.00
75) Chrysene-d12	13.67	240	147852	20.00	ng	0.00
86) Perylene-d12	15.00	264	124506	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	430835	111.64	ng	0.01
7) Phenol-d6	6.21	99	593218	117.81	ng	0.00
23) Nitrobenzene-d5	7.12	82	358265	64.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	102816	108.26	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	539653	64.54	ng	-0.01
78) Terphenyl-d14	12.64	244	514323	74.58	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	7.86	128	55662	3.91	ng	100
37) 2-Methylnaphthalene	8.55	142	18339	2.04	ng	93
49) Dimethylphthalate	9.32	163	92462	10.25	ng	99
51) Acenaphthene	9.61	154	49295	5.94	ng	98
54) Dibenzofuran	9.78	168	27299	2.45	ng	# 93
57) Fluorene	10.13	166	37263	4.35	ng	97
70) Phenanthrene	11.08	178	299246	23.23	ng	100
71) Anthracene	11.12	178	79796	6.36	ng	97
74) Fluoranthene	12.27	202	455803	32.79	ng	93
77) Pyrene	12.48	202	466913	38.85	ng	99
80) Benzo(a)anthracene	13.66	228	163869	16.53	ng	97
82) Chrysene	13.69	228	162660m	18.20	ng	
85) Indeno(1,2,3-cd)pyrene	16.19	276	61525	9.81	ng	100
87) Benzo(b)fluoranthene	14.65	252	163488m	18.56	ng	
88) Benzo(k)fluoranthene	14.67	252	38812m	4.73	ng	
89) Benzo(a)pyrene	14.95	252	127454	16.61	ng	96
90) Dibenzo(a,h)anthracene	16.19	278	15155m	2.53	ng	
91) Benzo(g,h,i)perylene	16.54	276	58961	9.72	ng	# 91

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

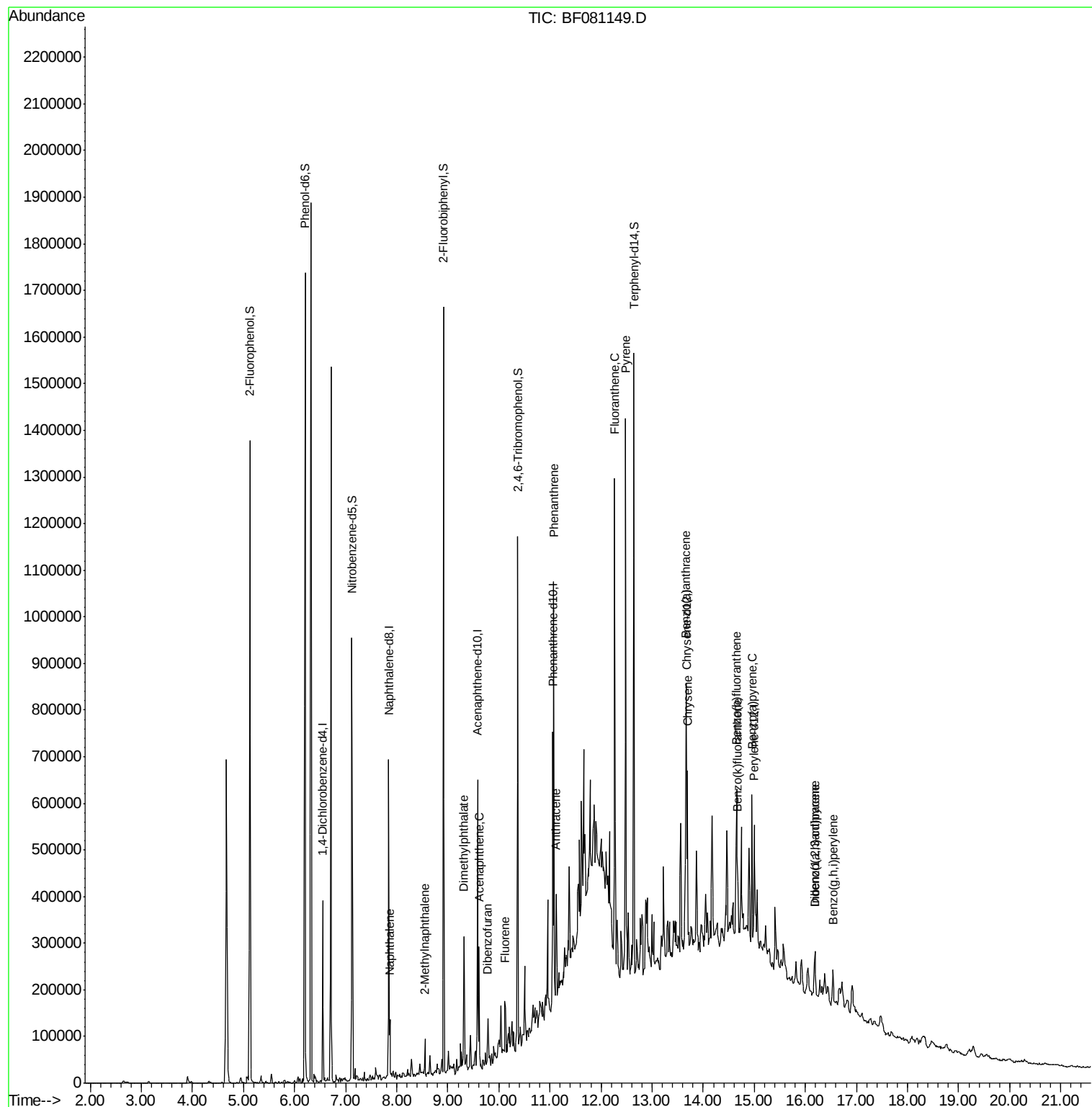
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
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QLast Update : Fri Aug 21 23:26:22 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

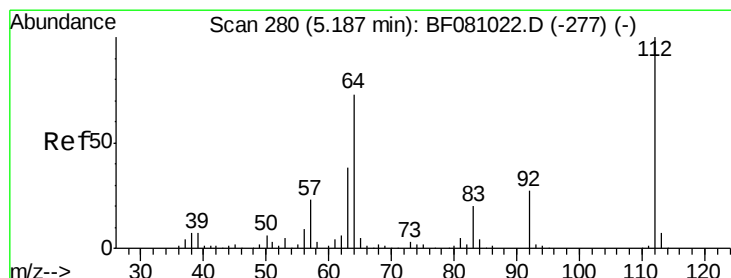
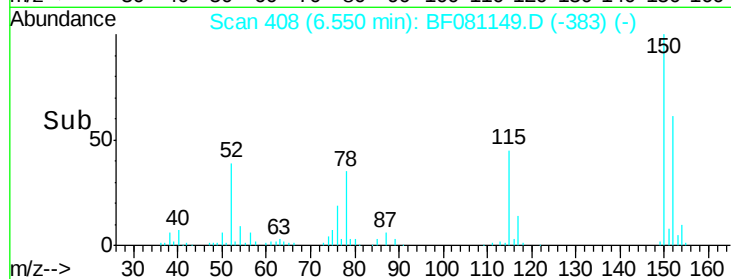
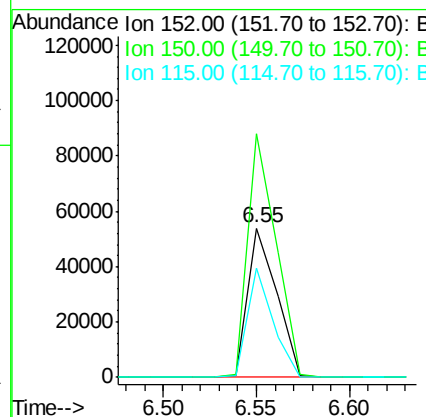
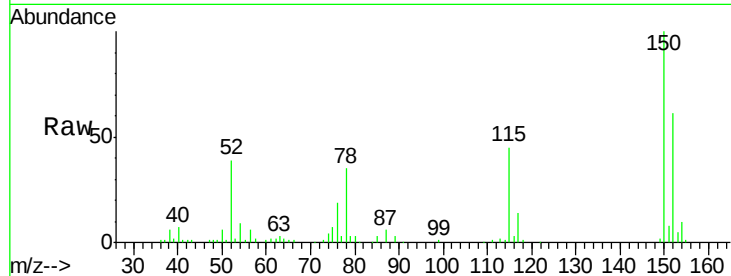
ClientSampleId :

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Tgt Ion:	152	Resp:	58048
Ion Ratio	Lower	Upper	
152	100		
150	163.0	123.8	185.6
115	73.3	52.1	78.1



#5

2-Fluorophenol

Concen: 111.64 ng

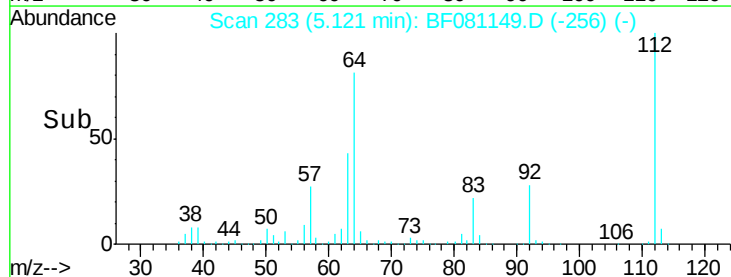
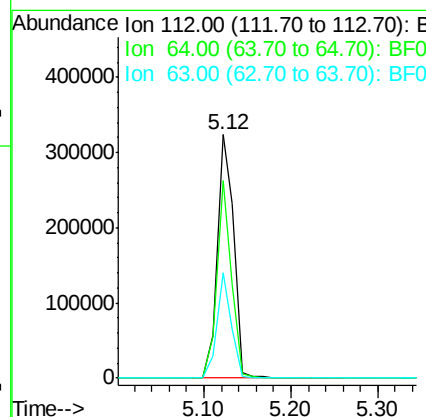
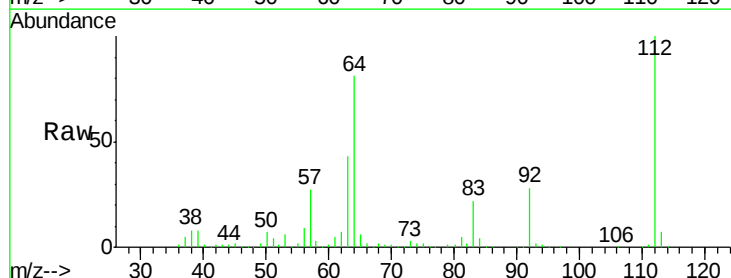
RT: 5.12 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Tgt Ion:	112	Resp:	430835
Ion Ratio	Lower	Upper	
112	100		
64	81.0	66.9	100.3
63	43.3	38.1	57.1





#7

Phenol-d6

Concen: 117.81 ng

RT: 6.21 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF081149.D

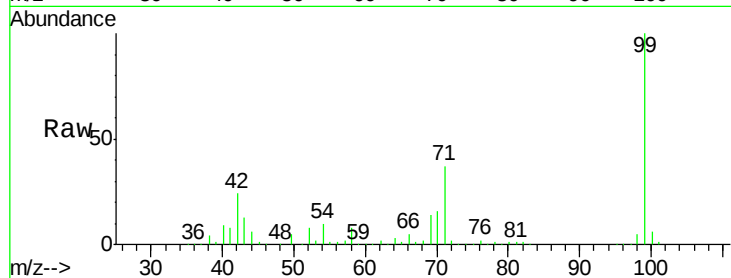
Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

ClientSampleId :

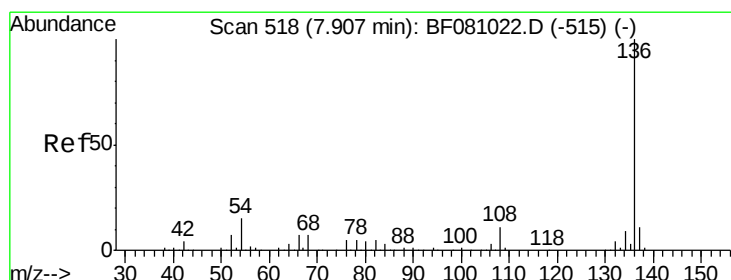
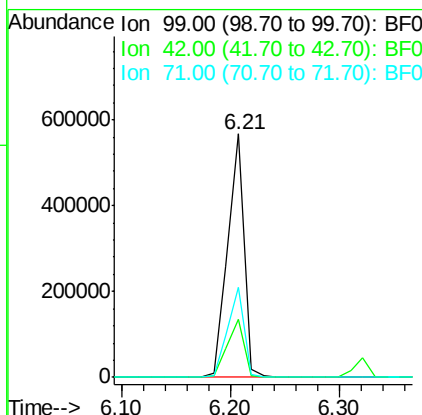
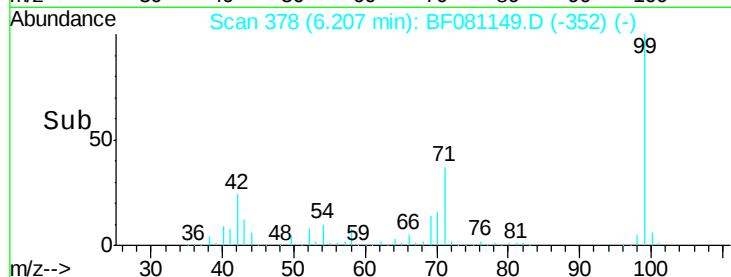
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Tgt Ion:	99	Resp:	593218
Ion Ratio	Lower	Upper	
99	100		
42	23.6	19.6	29.4
71	37.1	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

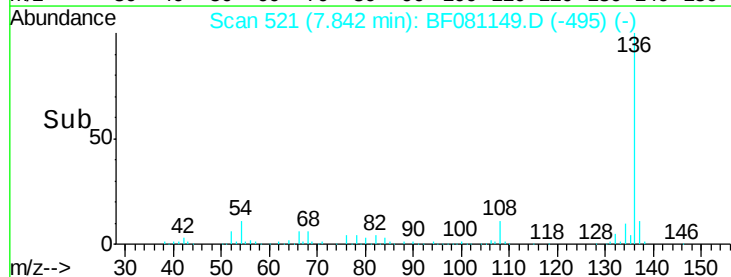
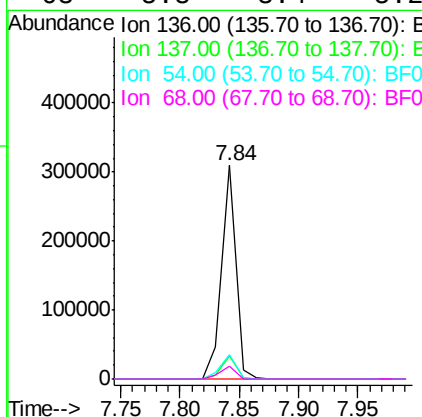
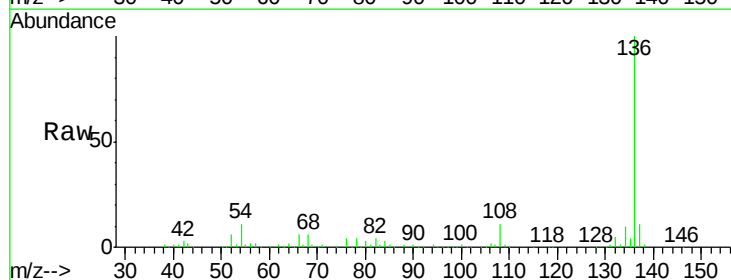
RT: 7.84 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Tgt Ion:	136	Resp:	255640
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.2	12.2
54	11.1	7.7	11.5
68	5.8	3.4	5.2#





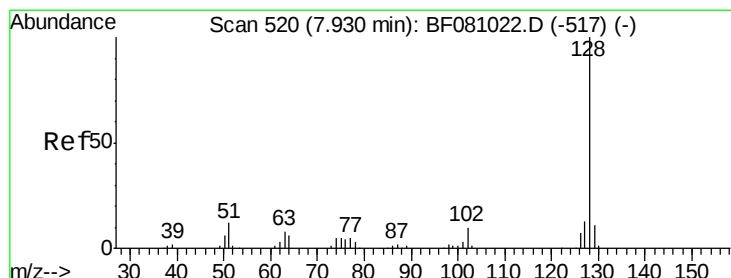
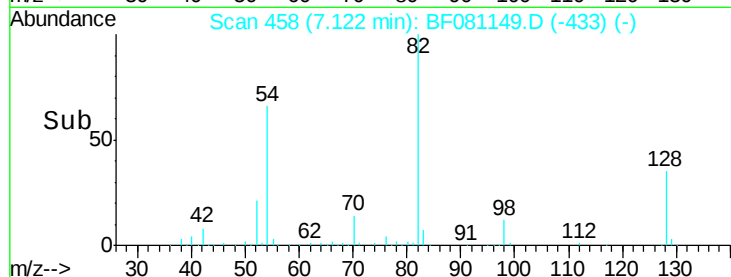
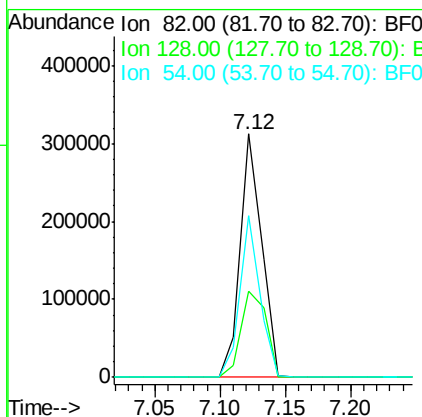
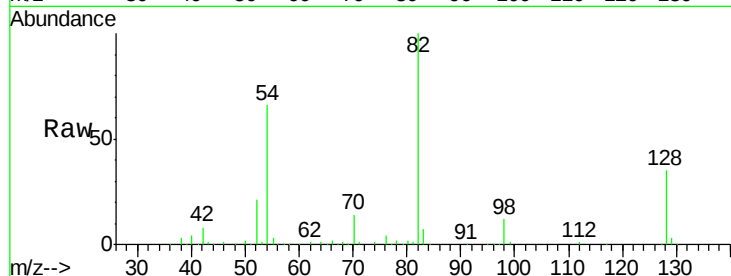
#23
Nitrobenzene-d5
Concen: 64.02 ng
RT: 7.12 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	35.4	28.6	42.8
54	66.4	55.1	82.7

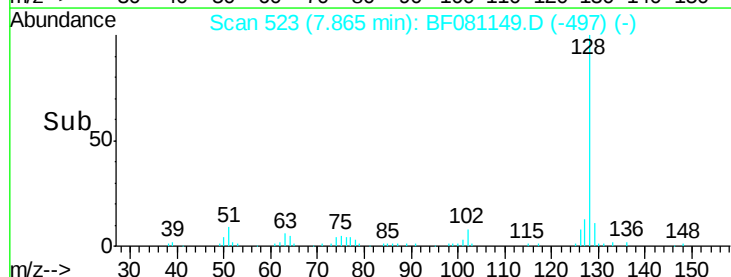
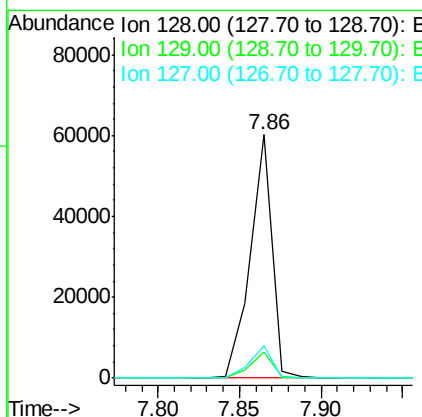
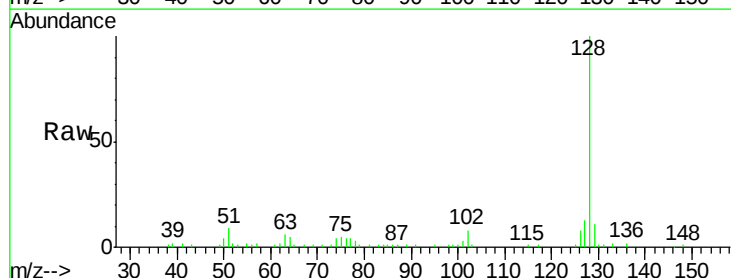
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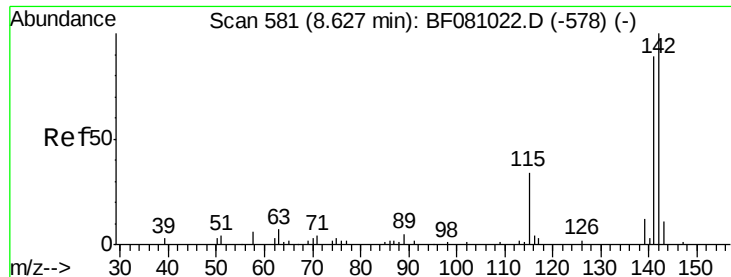
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#31
Naphthalene
Concen: 3.91 ng
RT: 7.86 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

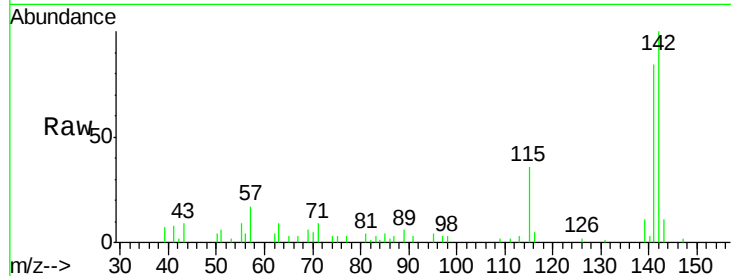
Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.6	8.4	12.6
127	13.5	10.6	16.0





#37
 2-Methylnaphthalene
 Concen: 2.04 ng
 RT: 8.55 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BF081149.D
 Acq: 21 Aug 2015 17:08

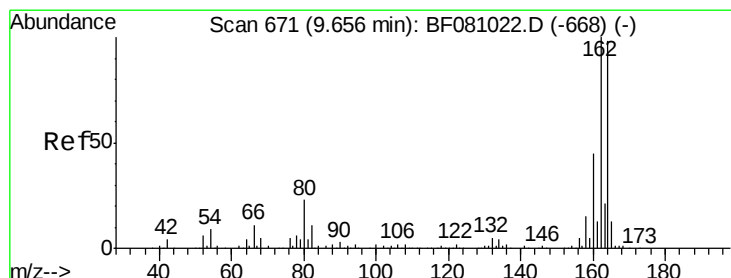
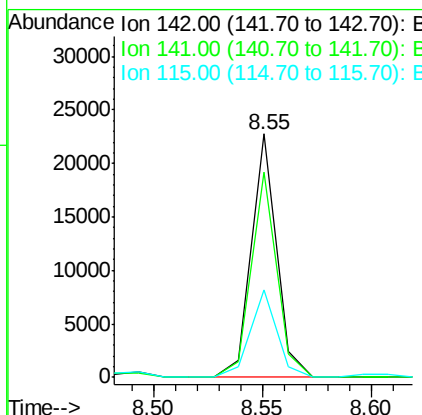
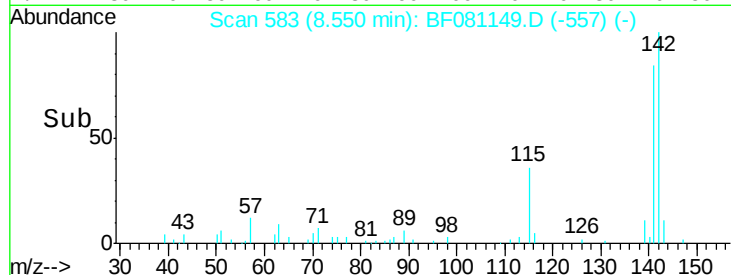
Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	71.4	107.2
115	36.0	33.4	50.0

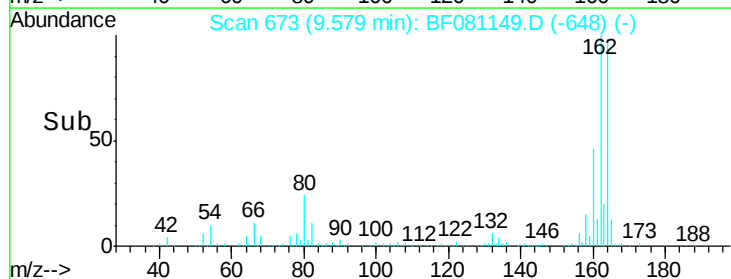
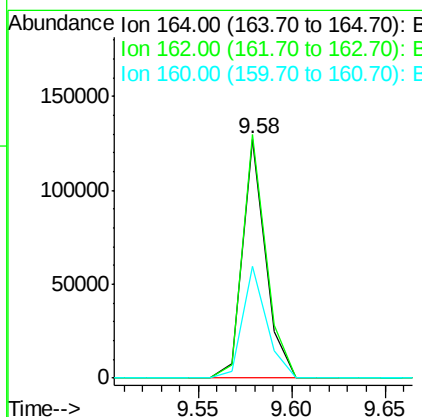
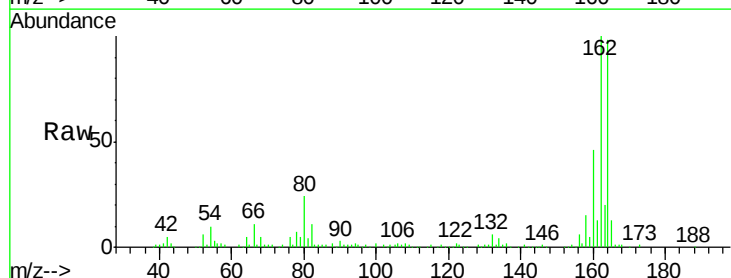
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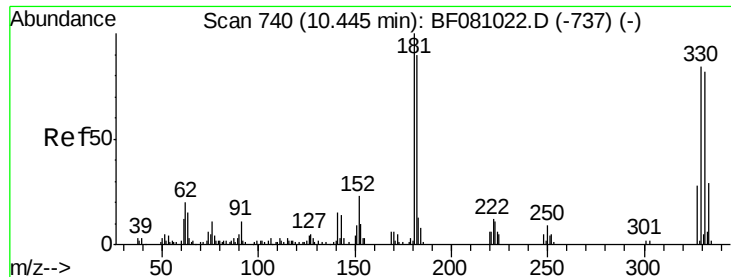
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF081149.D
 Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.8	125.8
160	46.8	39.8	59.8





#41

2,4,6-Tribromophenol

Concen: 108.26 ng

RT: 10.37 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF081149.D

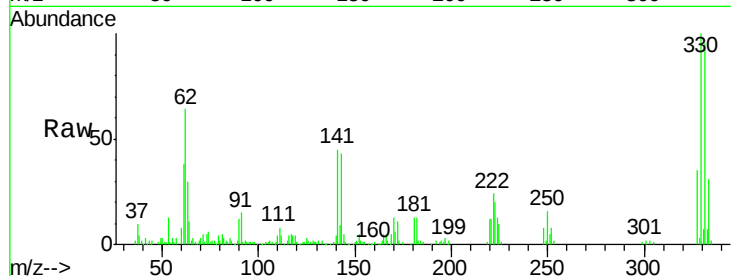
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Instrument :

BNA_F

ClientSampleId :

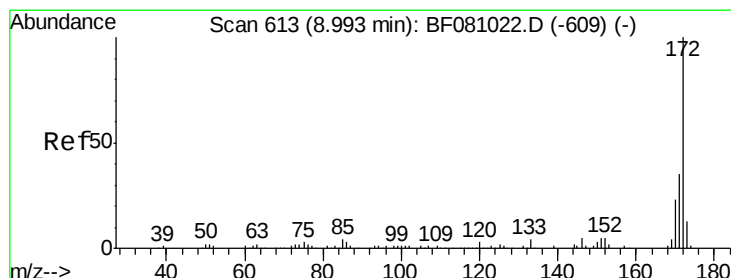
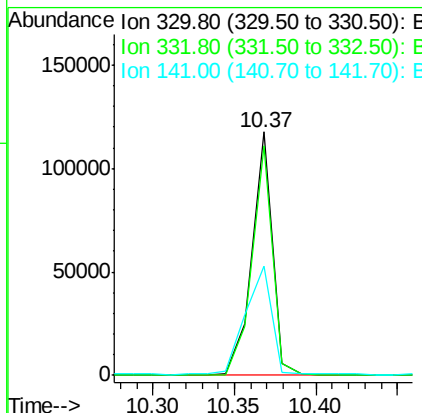
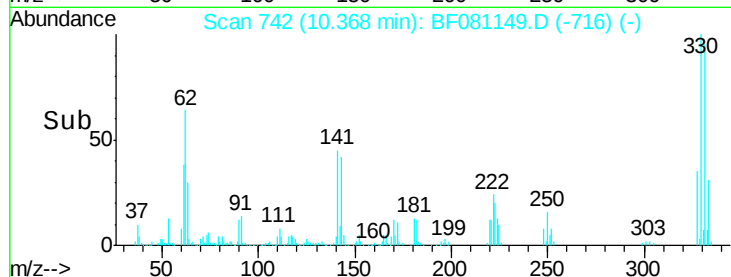
NCB-015CS-2(0-12FTBGS)



Tgt Ion:	330	Resp:	102816
Ion Ratio	Lower	Upper	
330	100		
332	94.8	77.3	115.9
141	56.7	44.9	67.3

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#44

2-Fluorobiphenyl

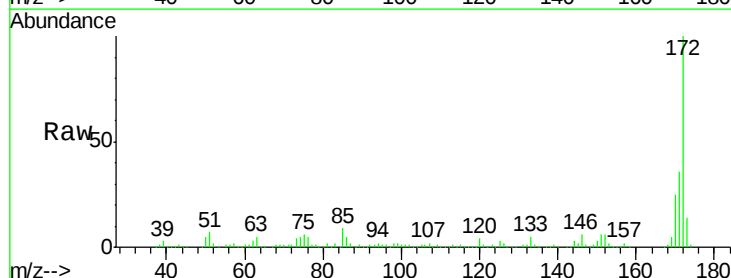
Concen: 64.54 ng

RT: 8.92 min Scan# 615

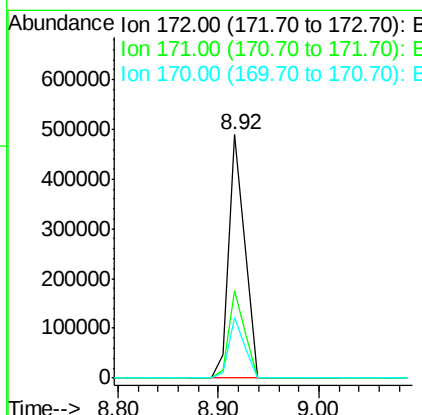
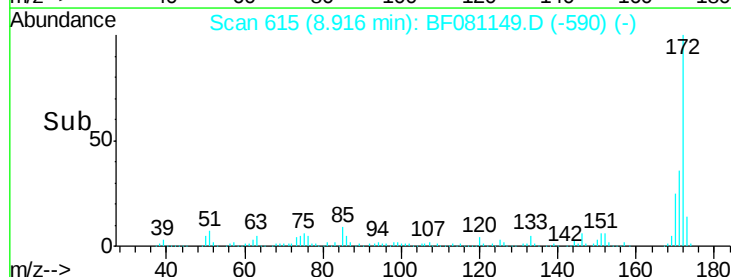
Delta R.T. -0.01 min

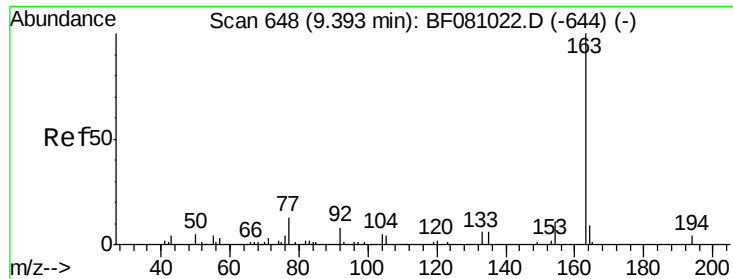
Lab File: BF081149.D

Acq: 21 Aug 2015 17:08



Tgt Ion:	172	Resp:	539653
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.9	43.3
170	24.7	19.4	29.2





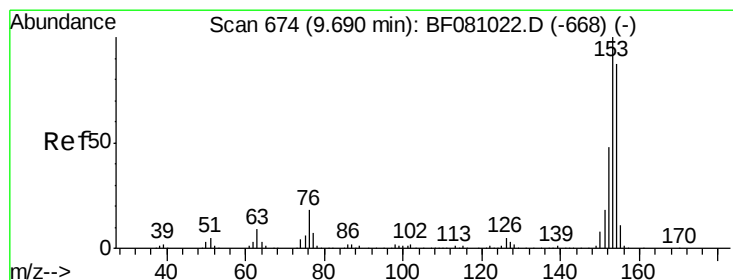
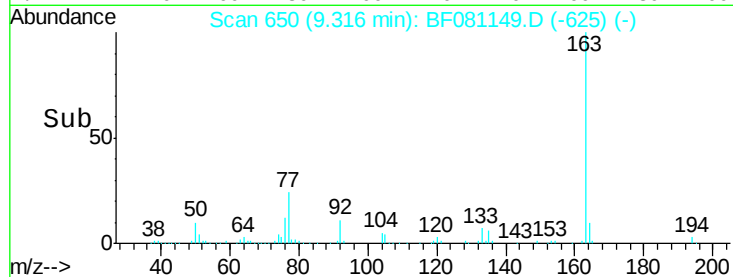
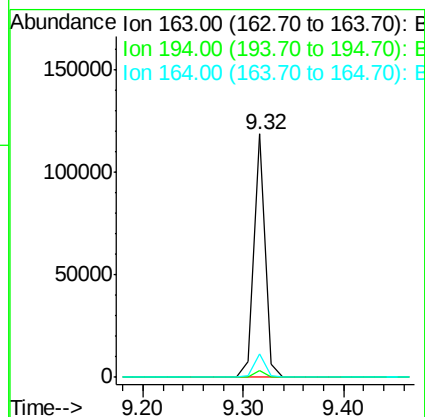
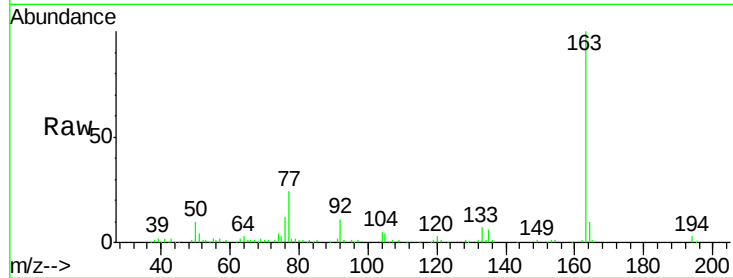
#49
Dimethylphthalate
Concen: 10.25 ng
RT: 9.32 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	92462		
194	2.8		2.5	3.7
164	9.9		8.1	12.1

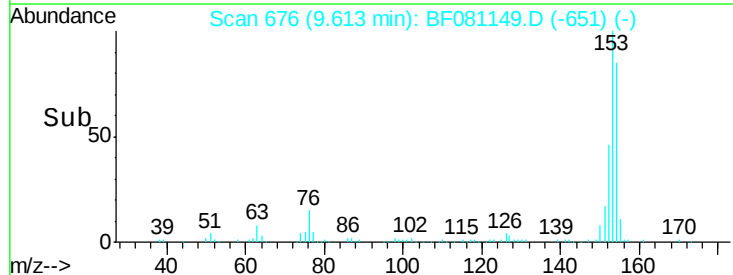
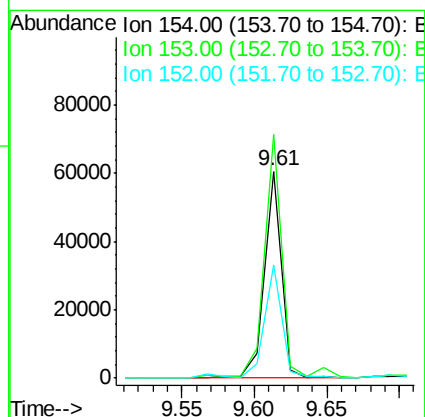
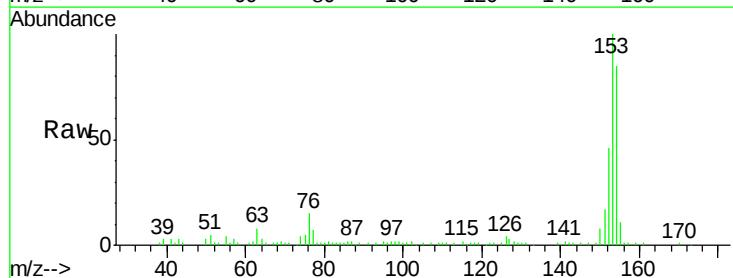
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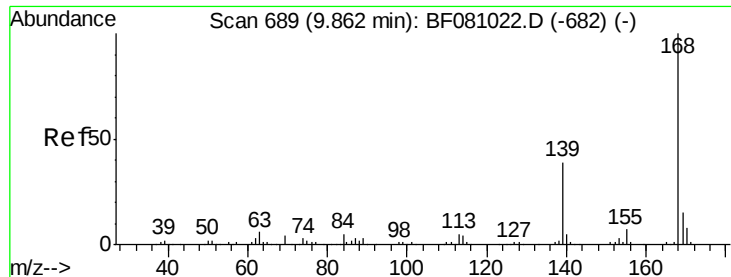
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#51
Acenaphthene
Concen: 5.94 ng
RT: 9.61 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	49295		
153	117.9		91.4	137.2
152	54.7		43.7	65.5





#54

Dibenzenofuran

Concen: 2.45 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF081149.D

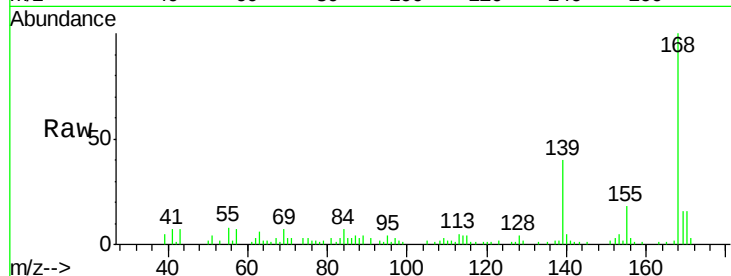
Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

ClientSampleId :

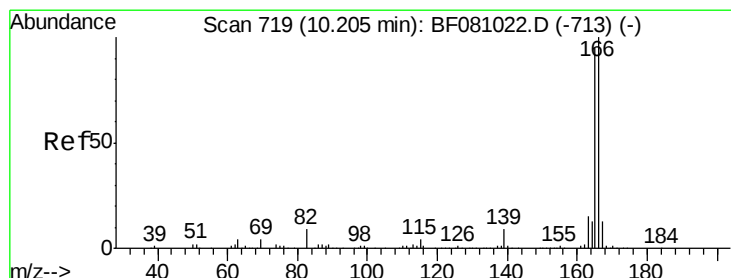
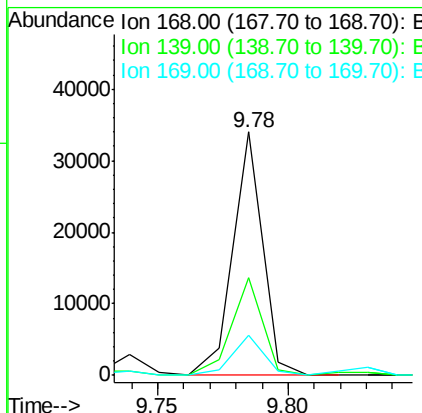
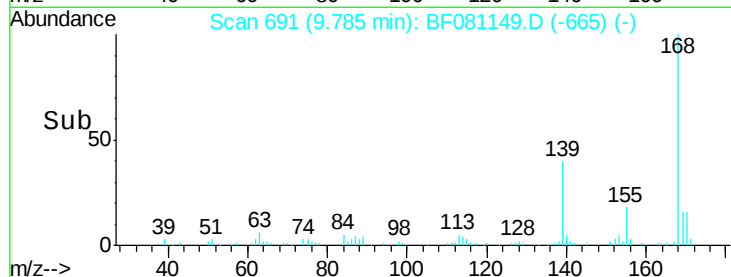
NCB-015CS-2(0-12FTBGS)



Tgt Ion:	168	Resp:	27299
Ion Ratio	Lower	Upper	
168	100		
139	40.4	29.3	43.9
169	16.3	10.3	15.5#

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#57

Fluorene

Concen: 4.35 ng

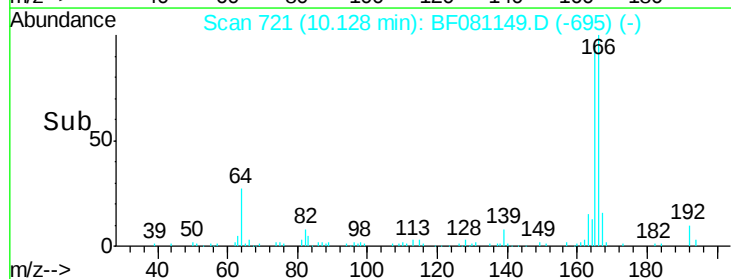
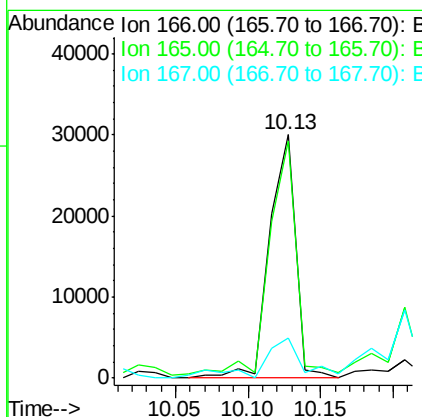
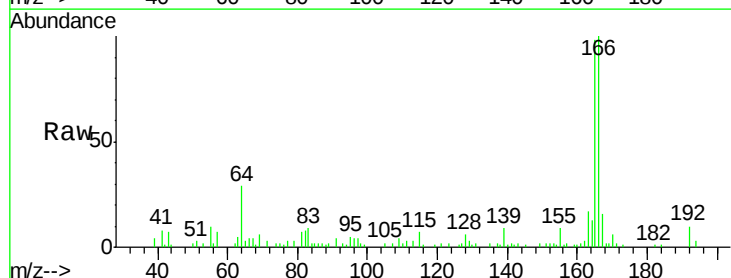
RT: 10.13 min Scan# 721

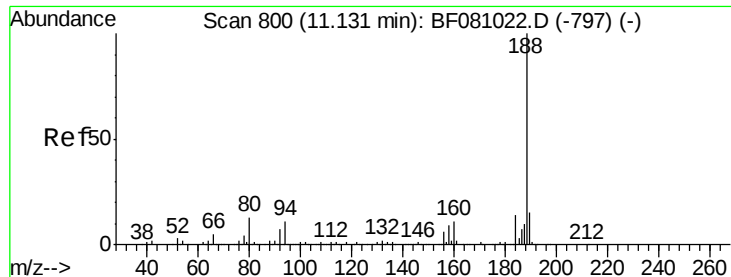
Delta R.T. -0.00 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Tgt Ion:	166	Resp:	37263
Ion Ratio	Lower	Upper	
166	100		
165	97.7	75.8	113.8
167	16.4	11.3	16.9





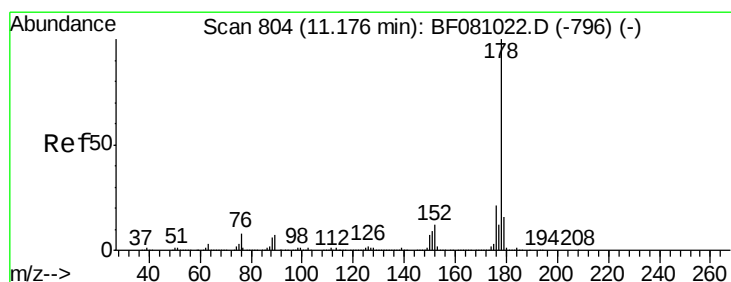
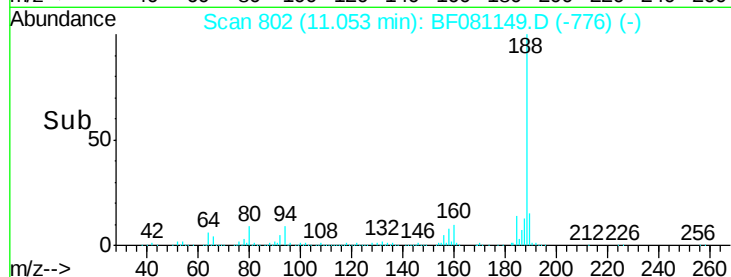
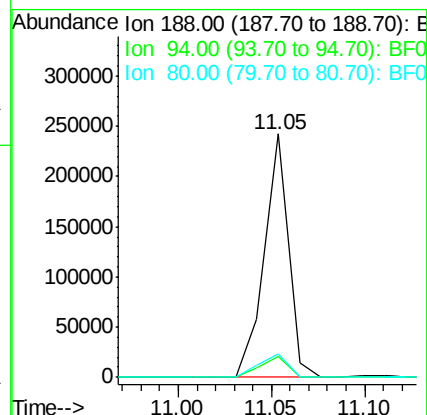
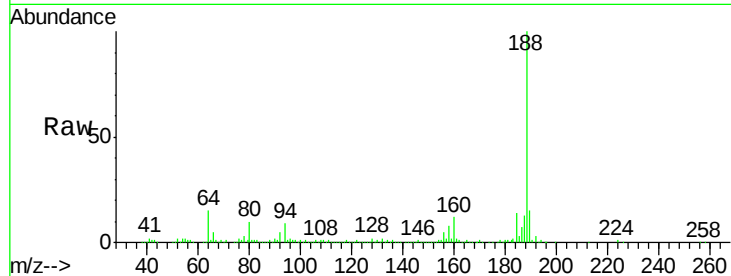
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	217391		
94	8.8	8.2	12.2	
80	9.6	9.5	14.3	

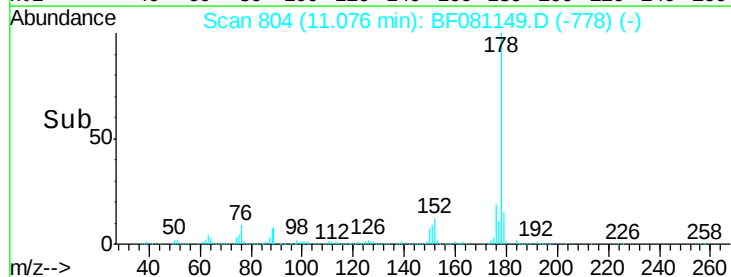
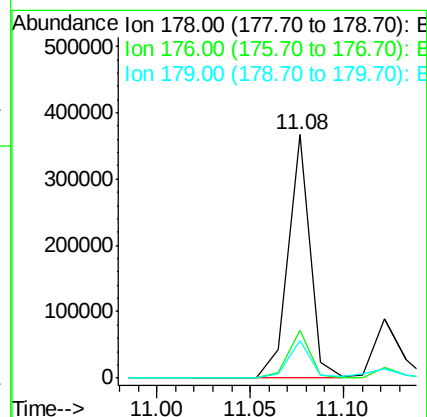
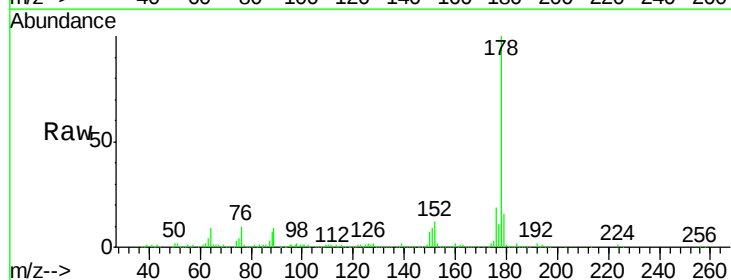
Manual Integrations
APPROVED

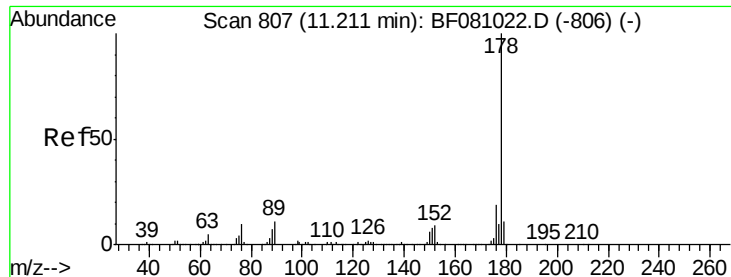
MMDadoda
8/24/2015 11:23:37 AM



#70
Phenanthrene
Concen: 23.23 ng
RT: 11.08 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	299246		
176	19.5	15.7	23.5	
179	15.5	12.2	18.2	





#71

Anthracene

Concen: 6.36 ng

RT: 11.12 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

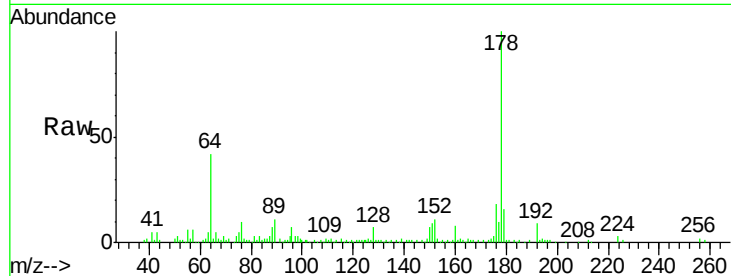
ClientSampleId :

NCB-015CS-2(0-12FTBGS)

Manual Integrations
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8/24/2015 11:23:37 AM

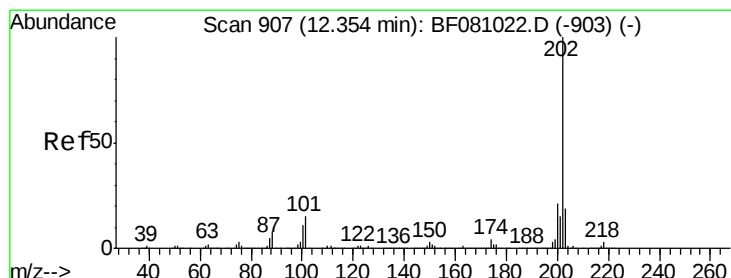
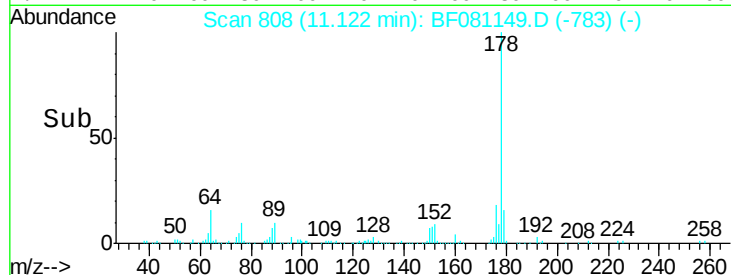
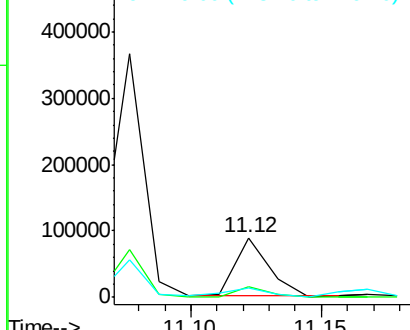
Tgt Ion:	178	Resp:	79796
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.7	23.5
179	16.5	12.7	19.1



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



#74

Fluoranthene

Concen: 32.79 ng

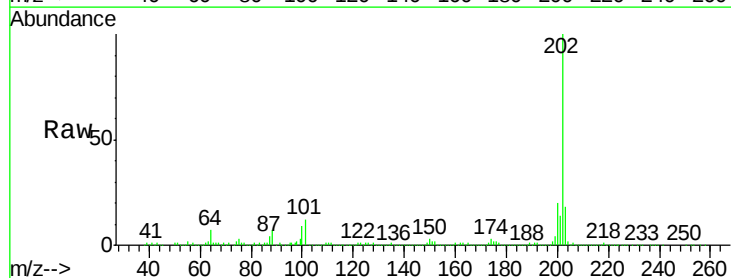
RT: 12.27 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

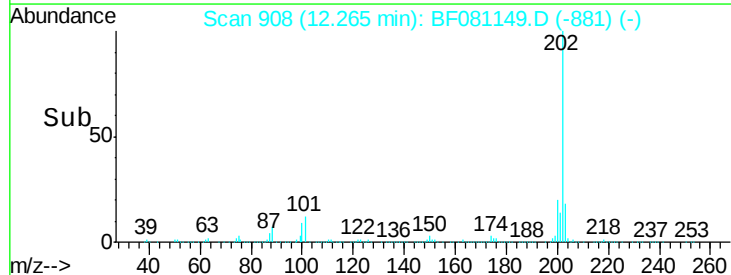
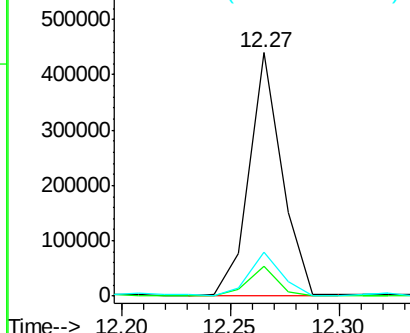
Tgt Ion:	202	Resp:	455803
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	24.8
203	17.9	0.0	36.9

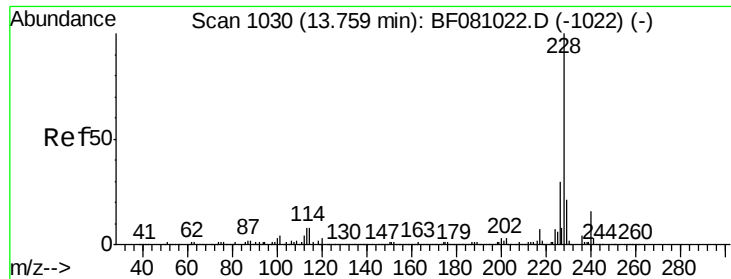


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF081149.D

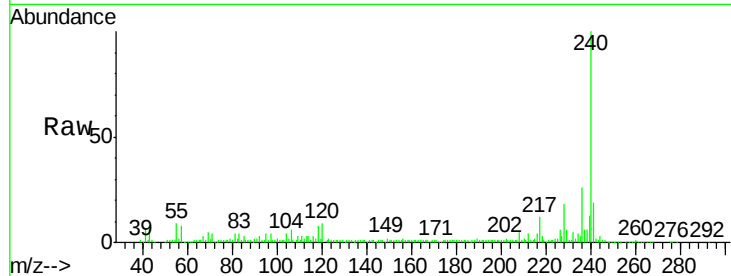
Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

ClientSampleId :

NCB-015CS-2(0-12FTBGS)



Tgt Ion:240 Resp: 147852

Ion Ratio Lower Upper

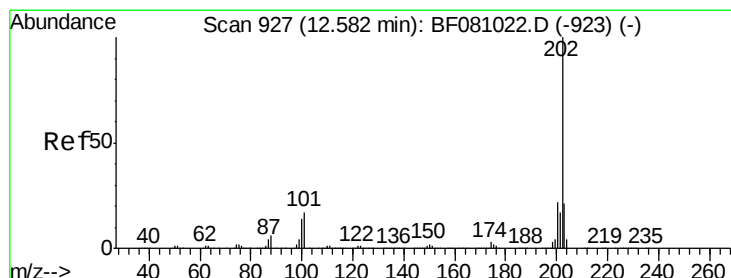
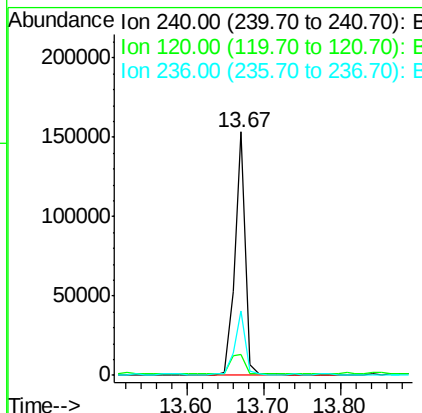
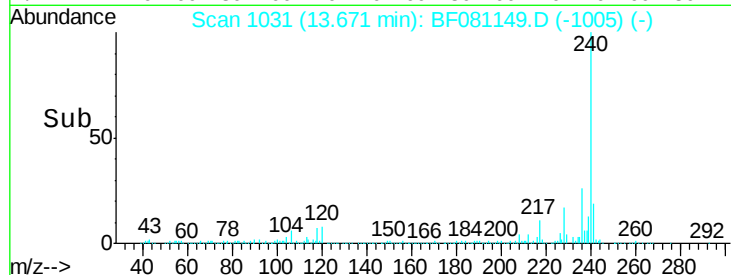
240 100

120 8.6 5.6 8.4#

236 26.3 20.6 30.8

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#77

Pyrene

Concen: 38.85 ng

RT: 12.48 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

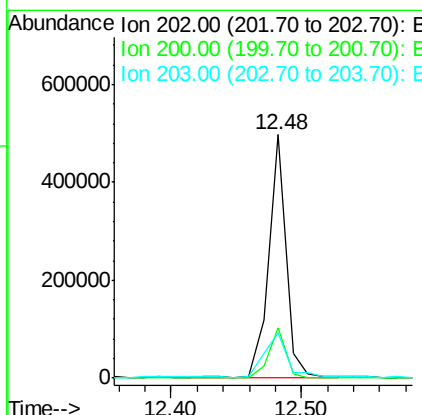
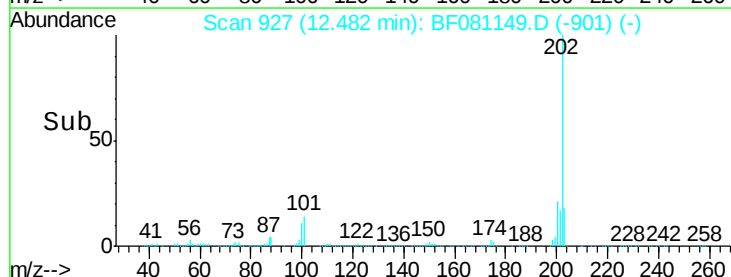
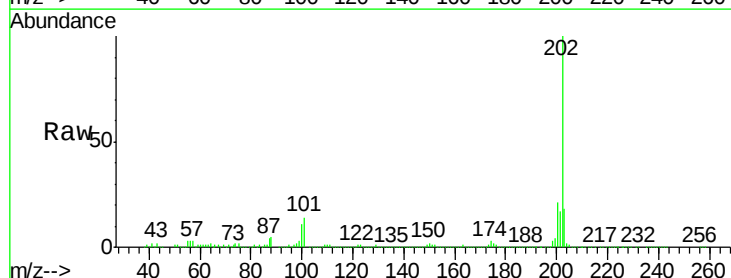
Tgt Ion:202 Resp: 466913

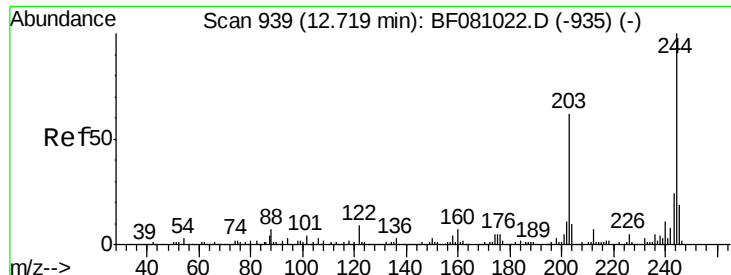
Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

203 18.5 14.1 21.1





#78

Terphenyl-d14

Concen: 74.58 ng

RT: 12.64 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

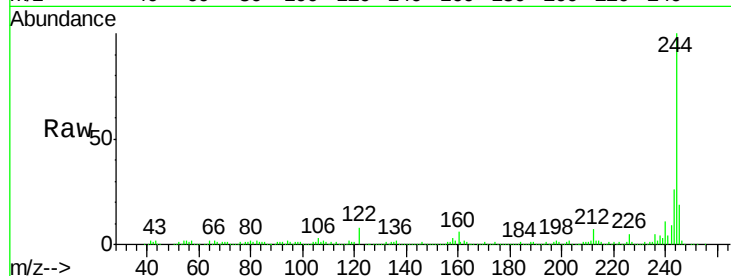
ClientSampleId :

NCB-015CS-2(0-12FTBGS)

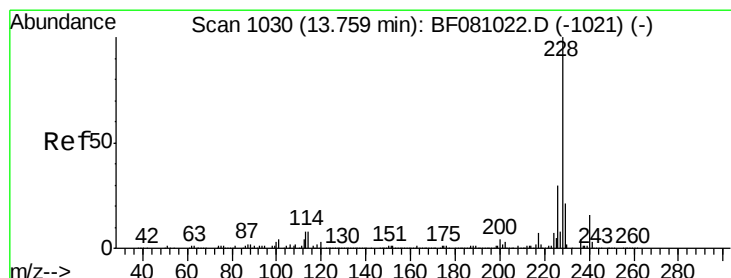
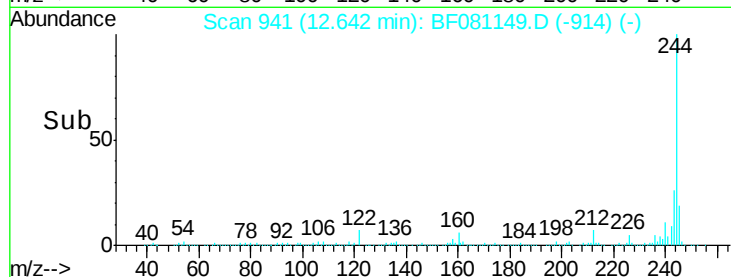
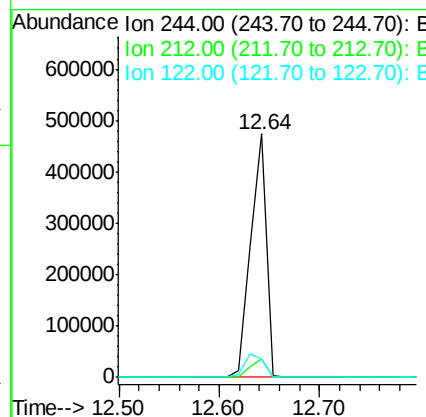
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Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	7.6	8.2	12.4



#80

Benzo(a)anthracene

Concen: 16.53 ng

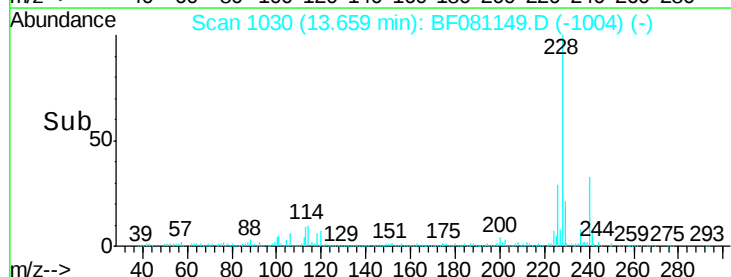
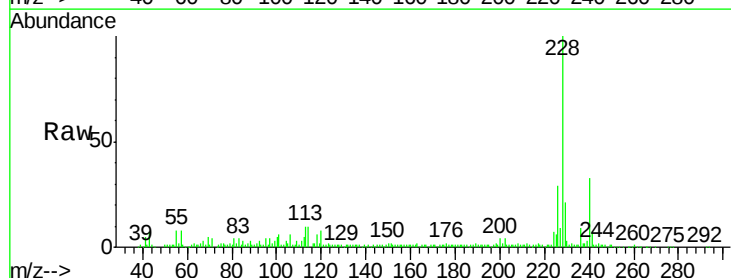
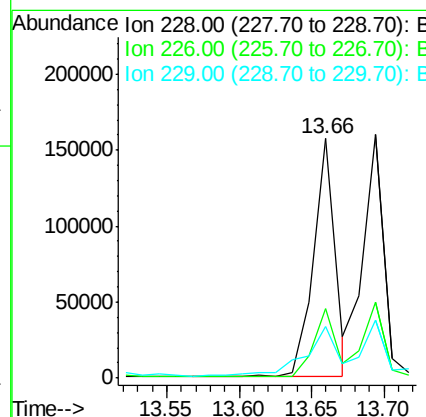
RT: 13.66 min Scan# 1030

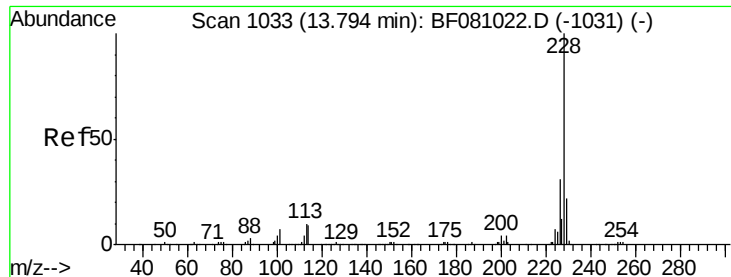
Delta R.T. -0.00 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.3	33.5
229	21.4	15.9	23.9





#82

Chrysene

Concen: 18.20 ng m

RT: 13.69 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Instrument :

BNA_F

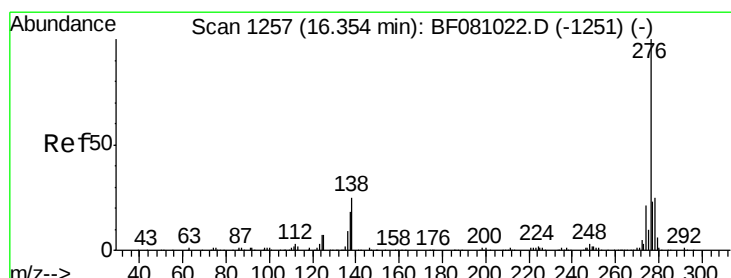
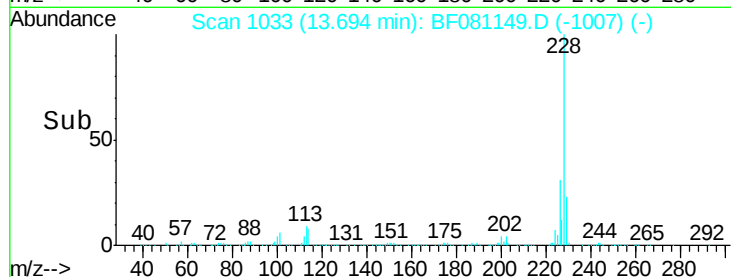
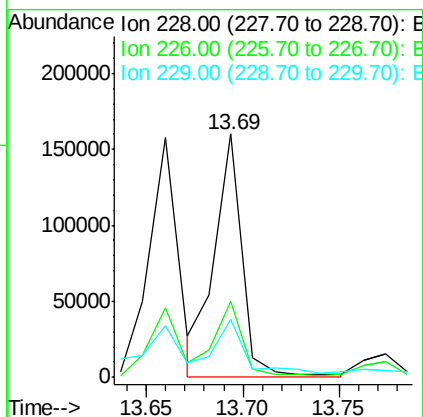
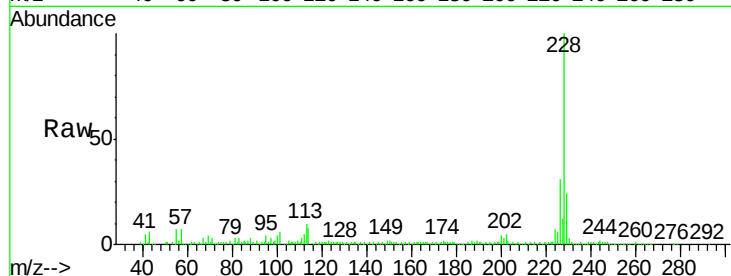
ClientSampleId :

NCB-015CS-2(0-12FTBGS)

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Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	23.8	16.0	24.0



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.81 ng

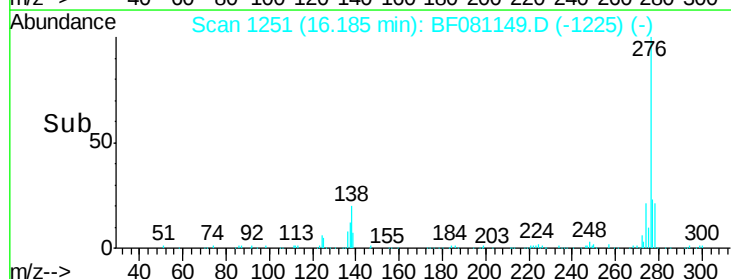
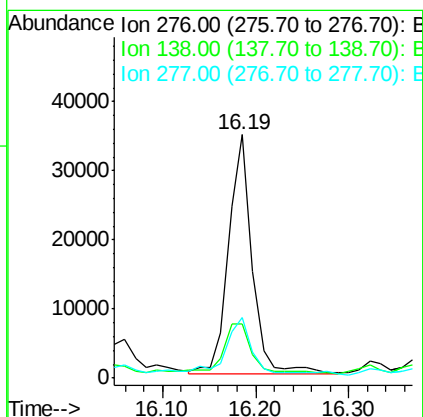
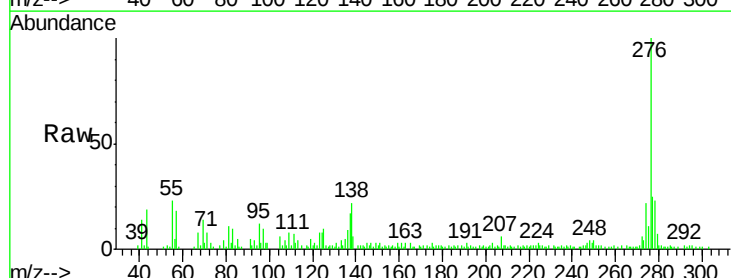
RT: 16.19 min Scan# 1251

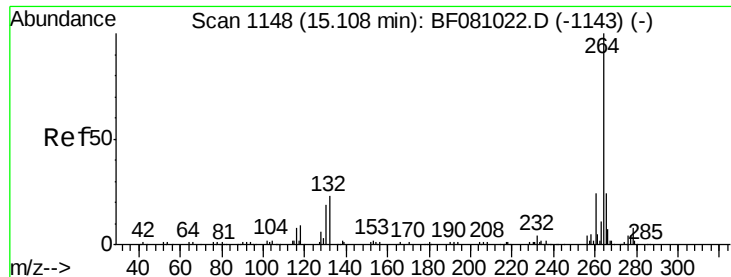
Delta R.T. -0.00 min

Lab File: BF081149.D

Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.6	28.0
277	24.7	19.8	29.8





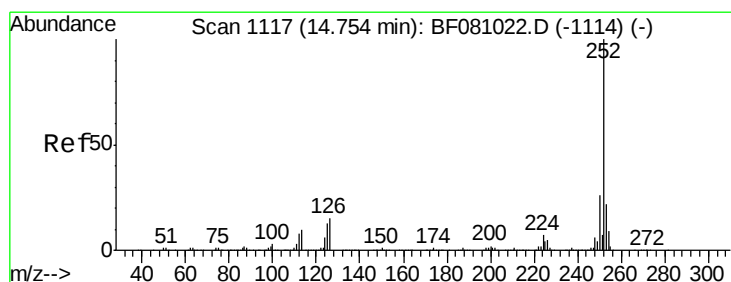
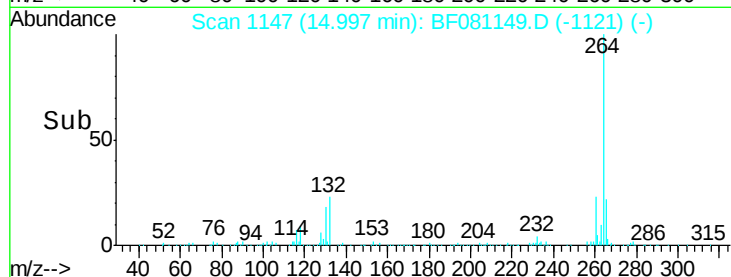
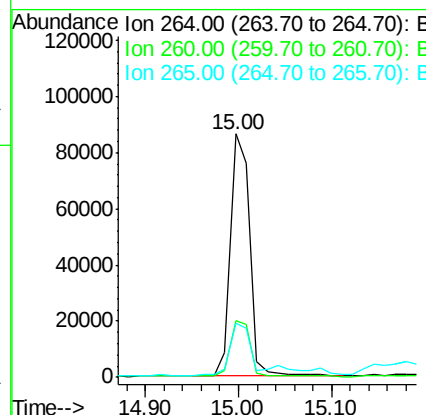
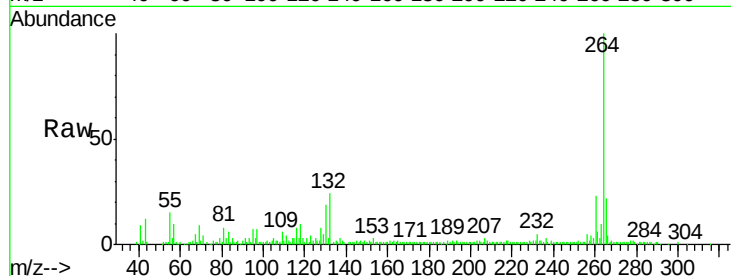
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	124506		
260	23.3	19.6	29.4	
265	22.2	17.5	26.3	

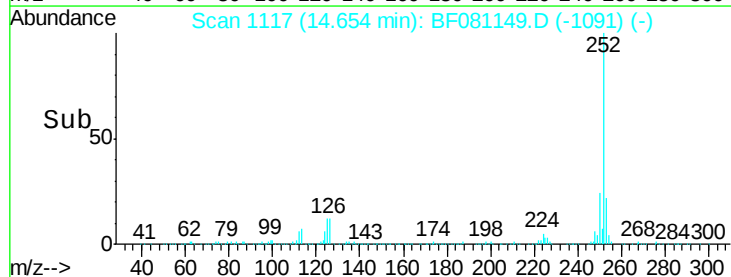
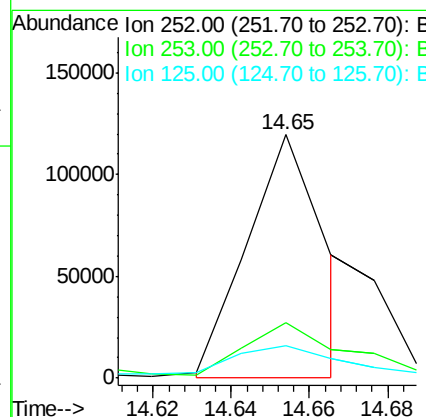
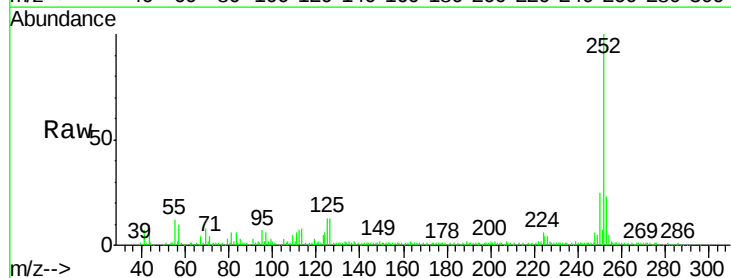
Manual Integrations
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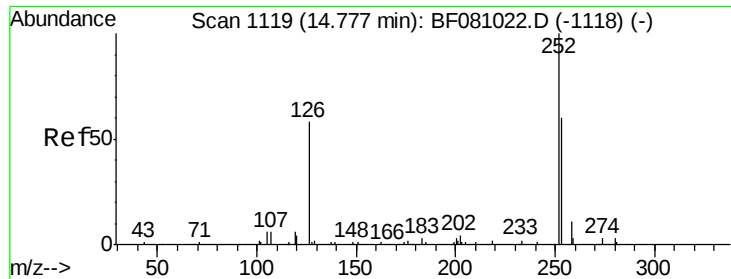
MMDadoda
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#87
Benzo(b)fluoranthene
Concen: 18.56 ng m
RT: 14.65 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	163488		
253	23.0	17.1	25.7	
125	13.5	8.0	12.0	





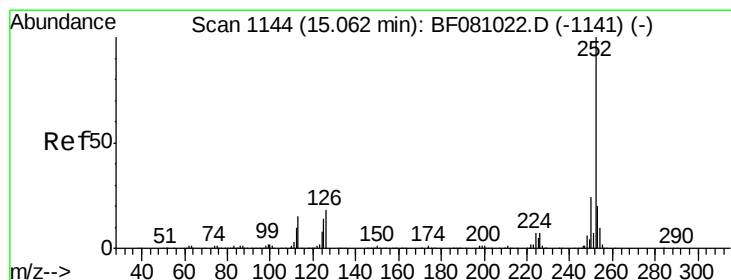
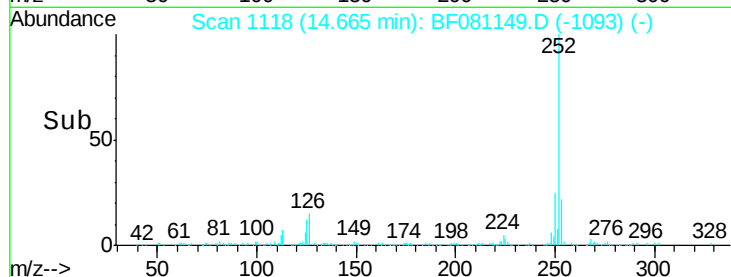
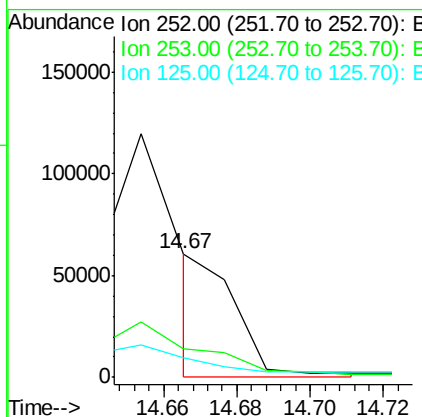
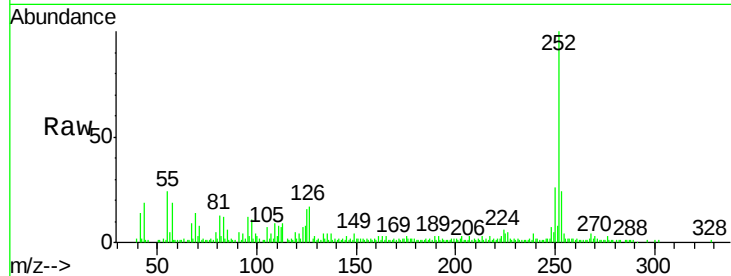
#88
Benzo(k)fluoranthene
Concen: 4.73 ng m
RT: 14.67 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	16.4	10.3	15.5

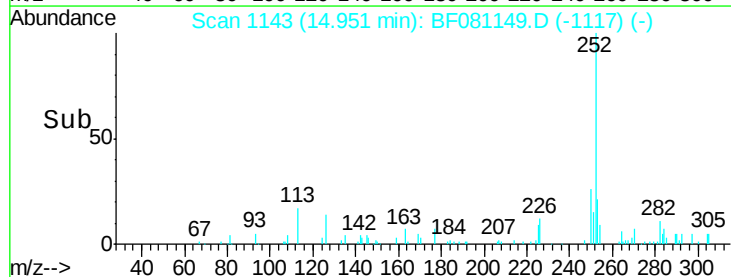
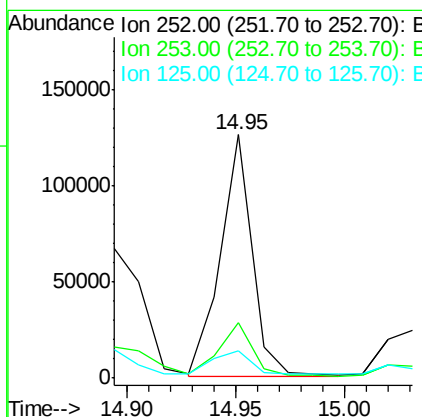
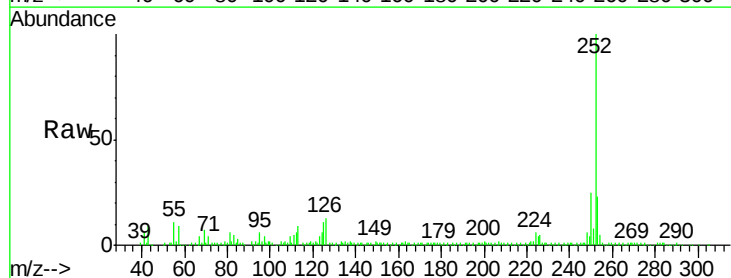
Manual Integrations
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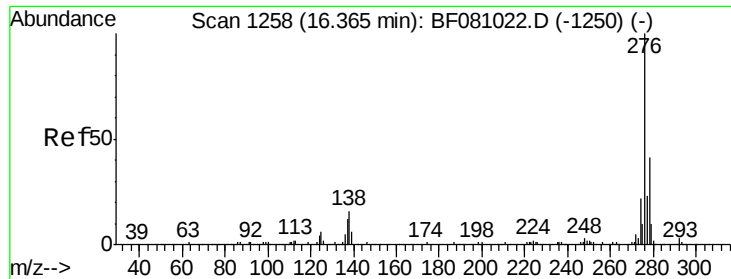
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#89
Benzo(a)pyrene
Concen: 16.61 ng
RT: 14.95 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.6	25.0
125	11.0	7.8	11.8





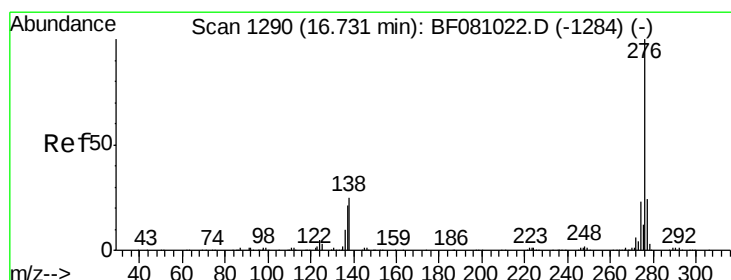
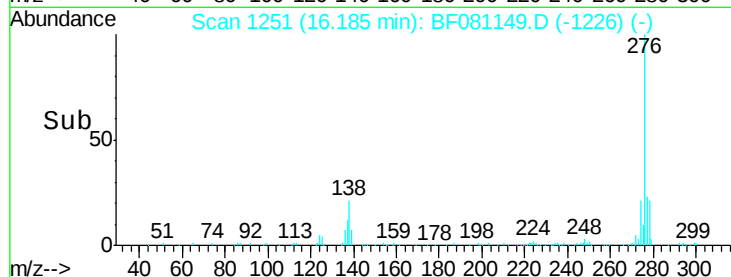
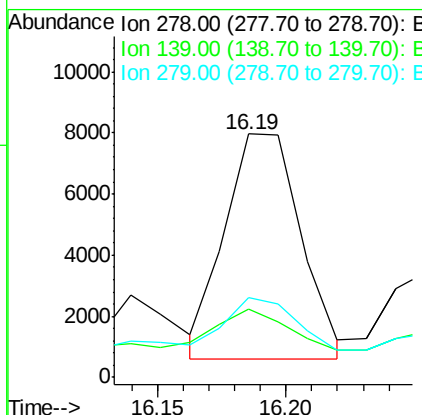
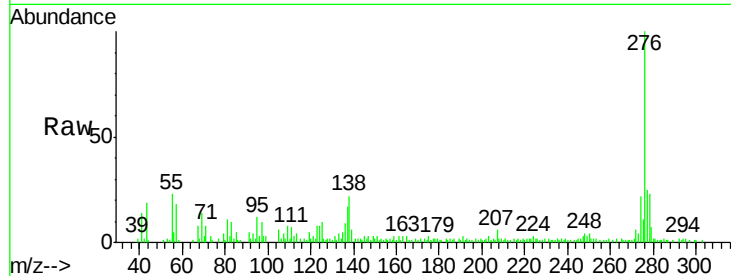
#90
Dibenzo(a,h)anthracene
Concen: 2.53 ng m
RT: 16.19 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.3	10.8	16.2#
279	32.7	19.0	28.6#

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#91
Benzo(g,h,i)perylene
Concen: 9.72 ng
RT: 16.54 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF081149.D
Acq: 21 Aug 2015 17:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.2	27.2
138	24.8	13.7	20.5#

