

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083137.D
 Acq On : 22 Nov 2015 4:32
 Operator : UM/IZ
 Sample : G4480-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC1

Manual Integrations
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 11/23/2015 7:01:46 PM

Quant Time: Nov 22 09:53:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	207977	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	755111	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	387072	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	726808	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	632259	20.00	ng	-0.02
86) Perylene-d12	15.15	264	557409	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	782938	56.91	ng	-0.02
7) Phenol-d6	6.31	99	643770	36.17	ng	-0.03
23) Nitrobenzene-d5	7.22	82	1400296	84.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	529727	133.77	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2280784	82.17	ng	-0.01
78) Terphenyl-d14	12.75	244	2190675	81.59	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.96	128	196987	4.83	ng	98
49) Dimethylphthalate	9.42	163	131937	4.43	ng	99
51) Acenaphthene	9.71	154	140250	5.75	ng	99
54) Dibenzofuran	9.90	168	178275	5.17	ng	93
57) Fluorene	10.23	166	186028	6.52	ng	99
70) Phenanthrene	11.19	178	563190	13.45	ng	98
72) Carbazole	11.40	167	118164	3.11	ng	96

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

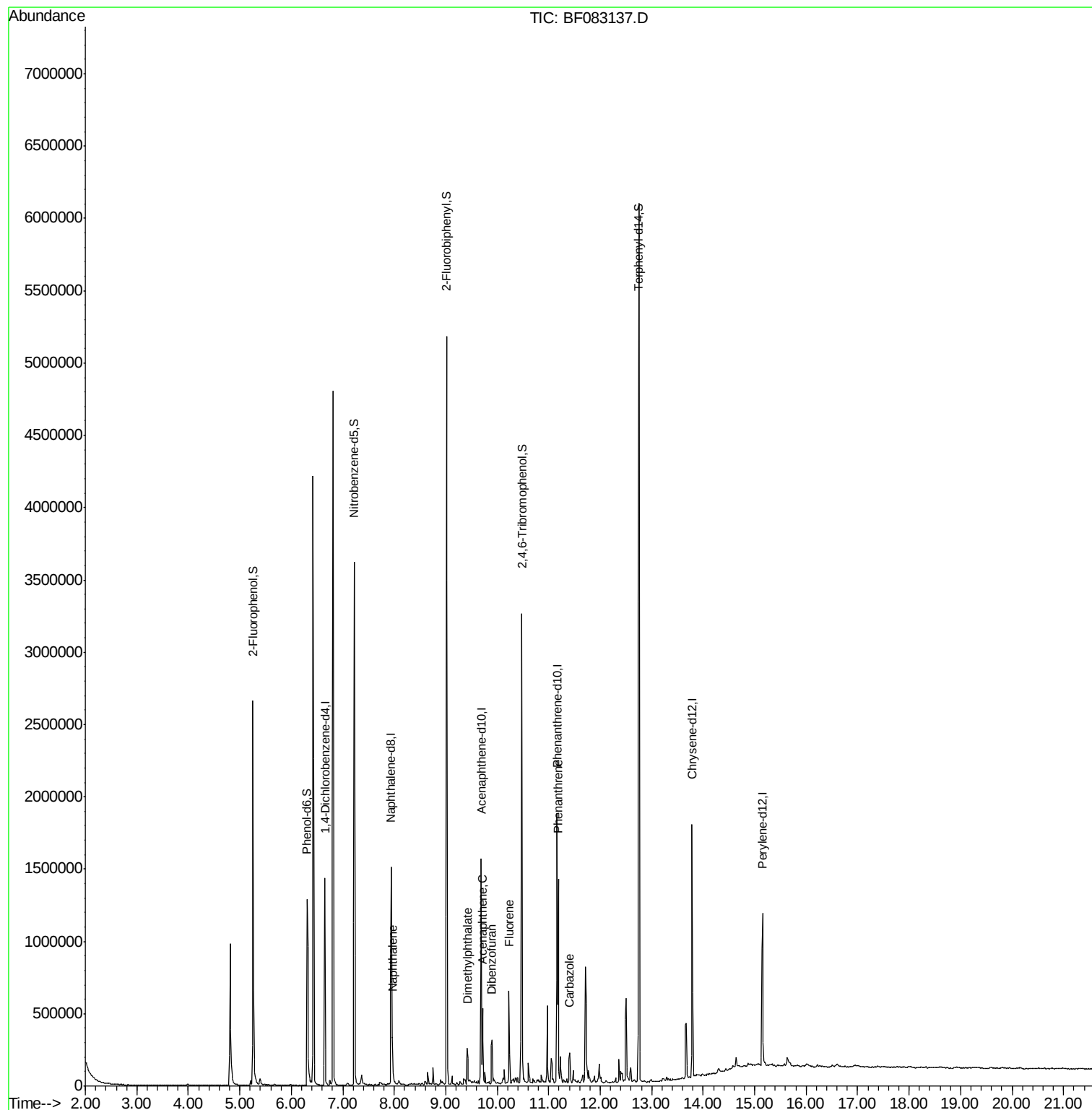
Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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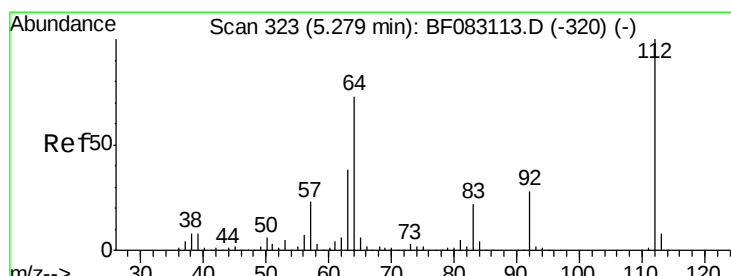
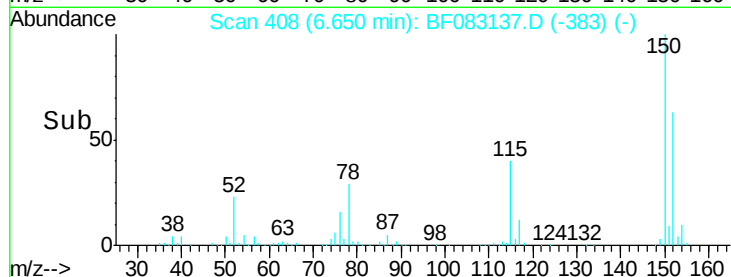
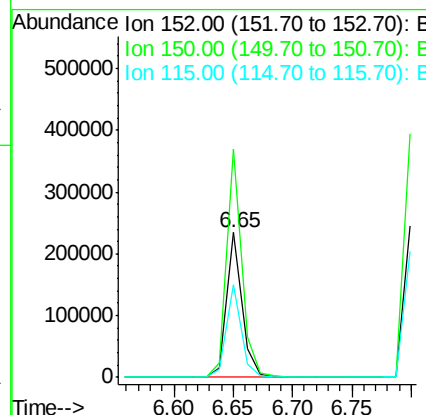
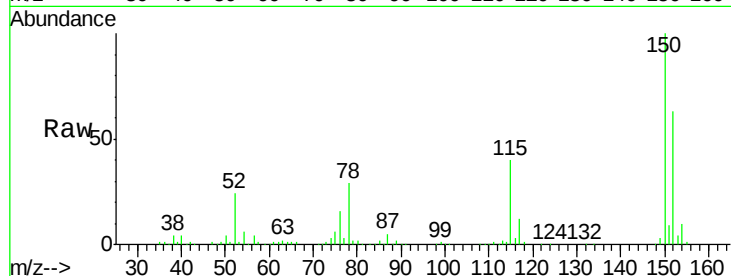
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF083137.D
 Acq: 22 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY_SF_002-SPLPSVOC1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.8	188.8
115	63.7	46.9	70.3

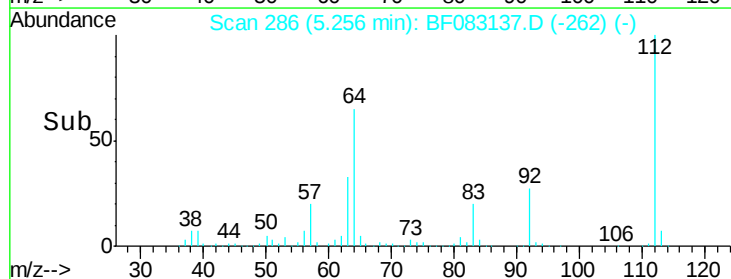
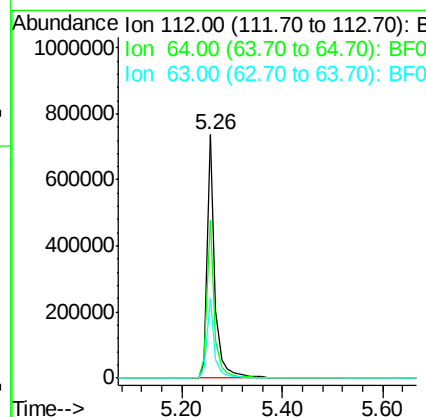
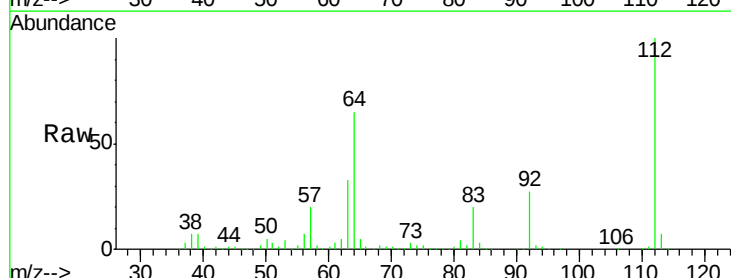
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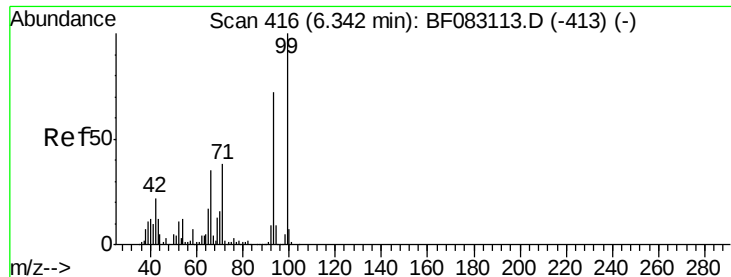
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#5
 2-Fluorophenol
 Concen: 56.91 ng
 RT: 5.26 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: BF083137.D
 Acq: 22 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	58.4	87.6
63	32.6	30.0	45.0





#7

Phenol-d6

Concen: 36.17 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

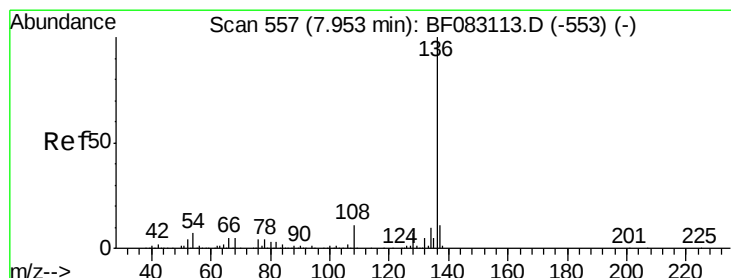
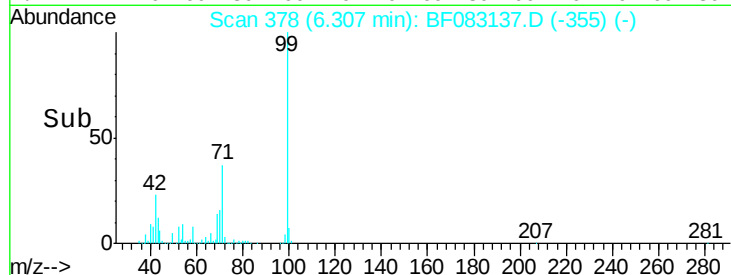
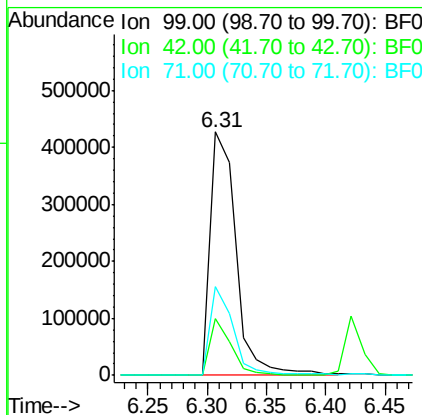
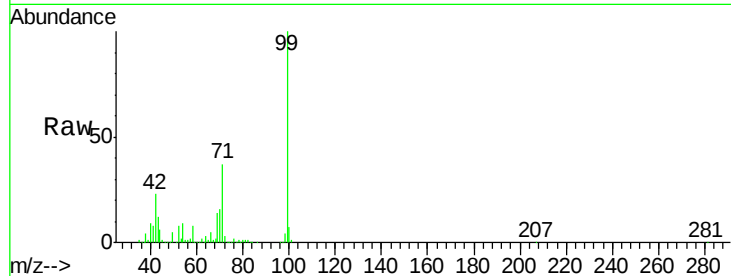
ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

Tot Ion:	99	Resp:	643770
Ion Ratio	Lower	Upper	
99	100		
42	23.3	17.7	26.5
71	36.5	30.2	45.4

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#21

Naphthalene-d8

Concen: 20.00 ng

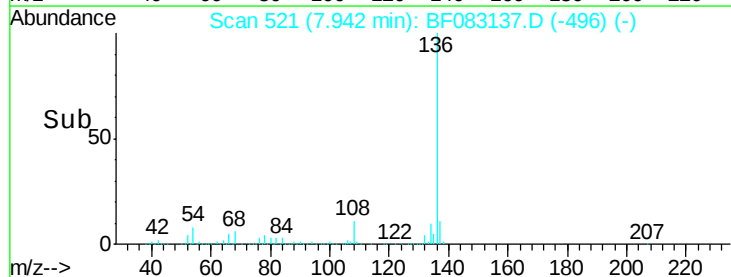
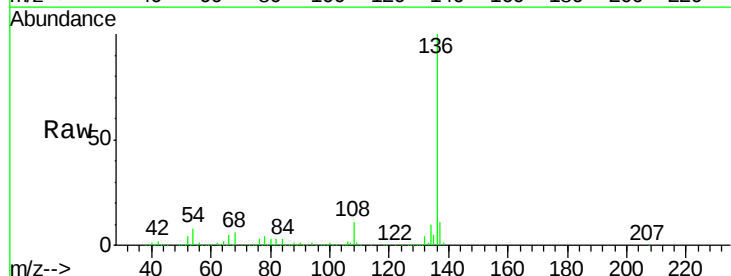
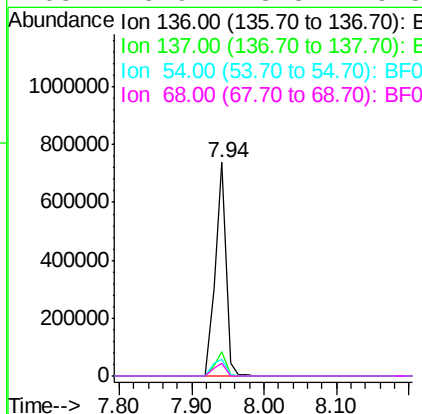
RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Tgt Ion:	136	Resp:	755111
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	8.1	5.8	8.6
68	5.9	3.8	5.8#





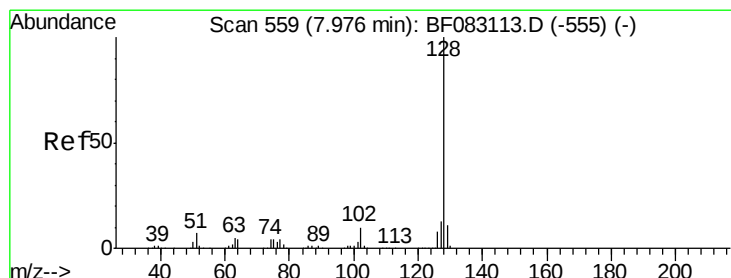
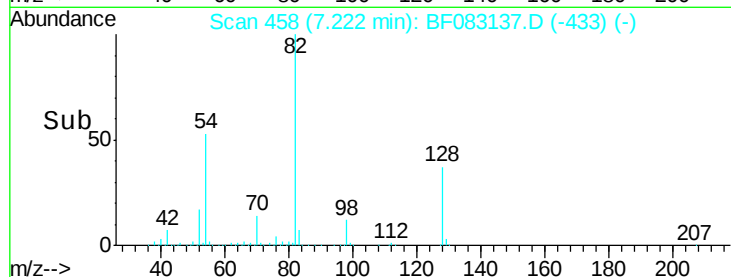
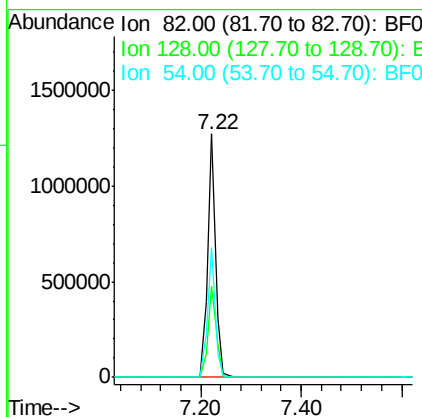
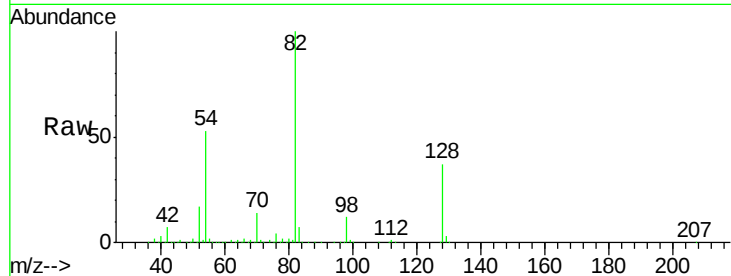
#23
Nitrobenzene-d5
Concen: 84.74 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
LIBERTY_SF_002-SPLPSVOC1

Tot Ion: 82 Resp: 1400296
Ion Ratio Lower Upper
82 100
128 37.4 28.5 42.7
54 53.4 44.6 67.0

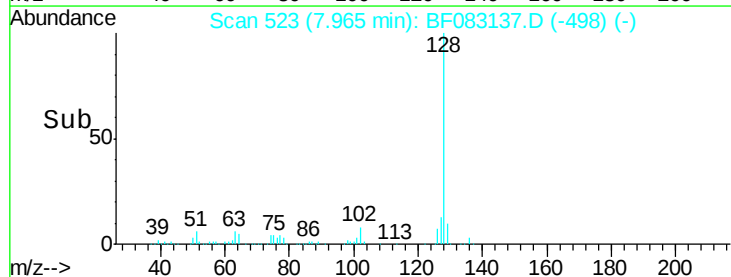
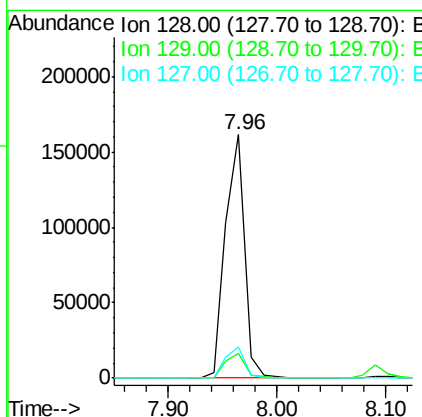
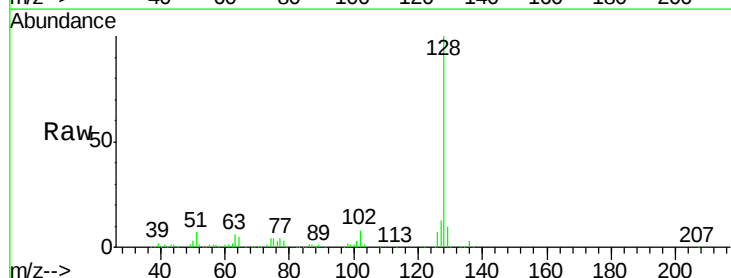
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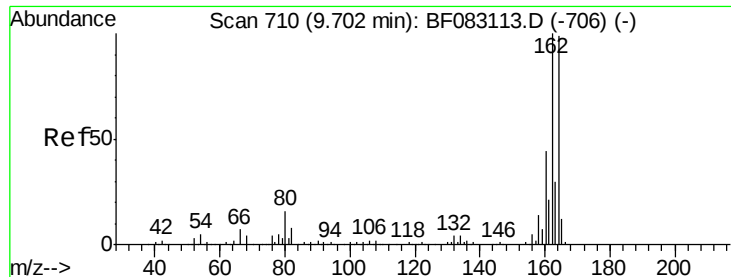
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#31
Naphthalene
Concen: 4.83 ng
RT: 7.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Tgt Ion: 128 Resp: 196987
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 12.9 10.6 15.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

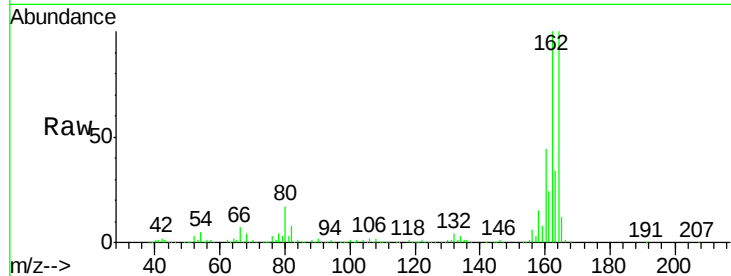
ClientSampleId :

LIBERTY_SF_002-SPLPSVOC1

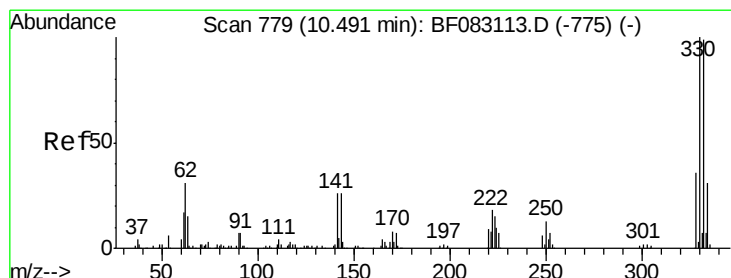
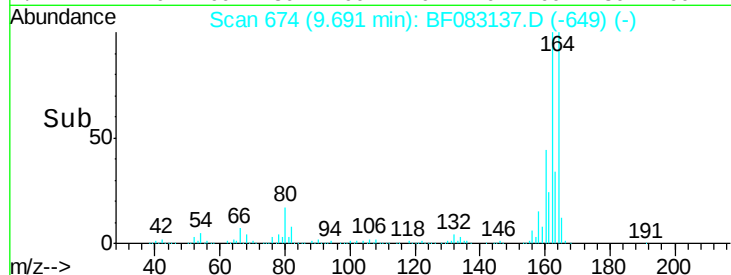
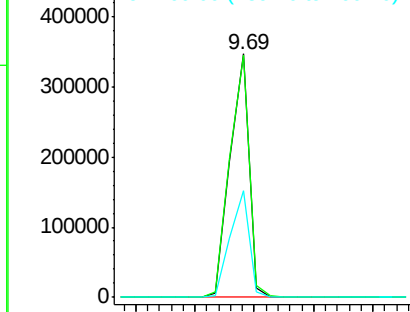
Tot Ion:	164	Resp:	387072
Ion Ratio	Lower	Upper	
164	100		
162	99.7	81.2	121.8
160	43.6	35.6	53.4

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 133.77 ng

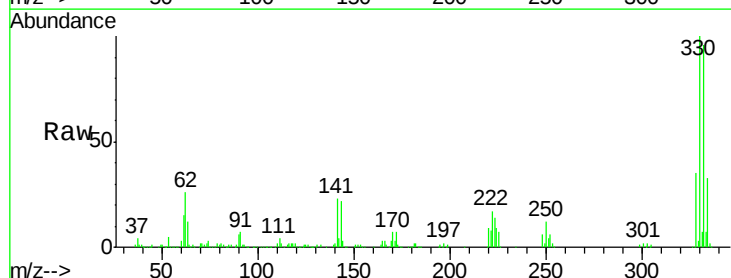
RT: 10.48 min Scan# 743

Delta R.T. -0.01 min

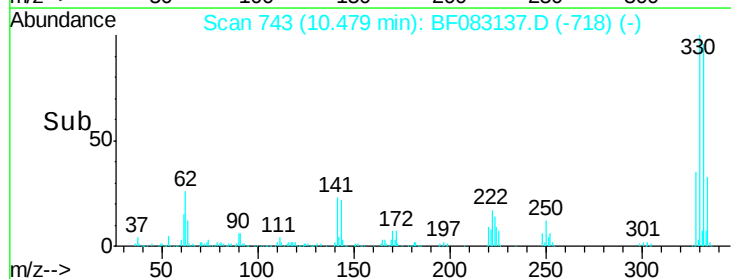
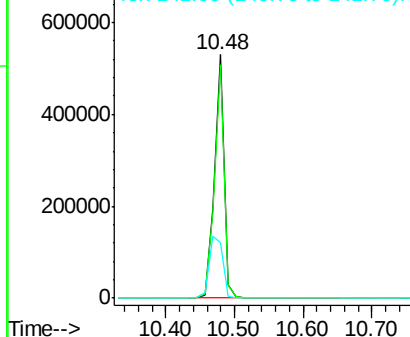
Lab File: BF083137.D

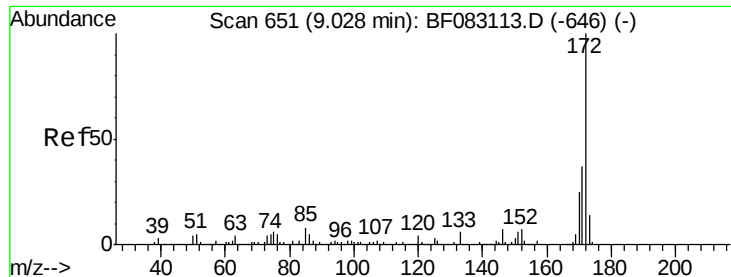
Acq: 22 Nov 2015 4:32

Tgt Ion:	330	Resp:	529727
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.7	116.5
141	35.8	29.7	44.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





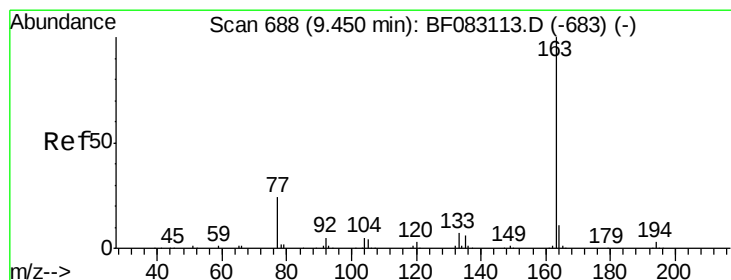
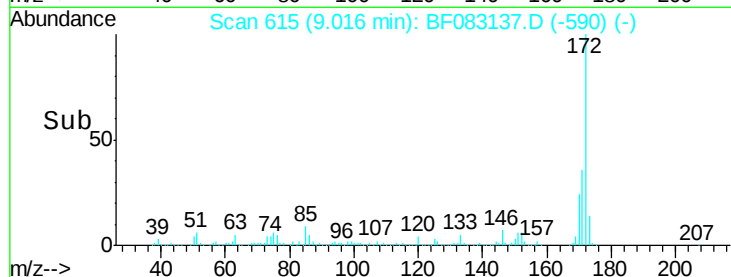
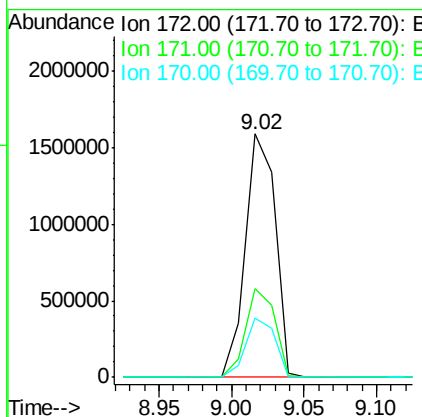
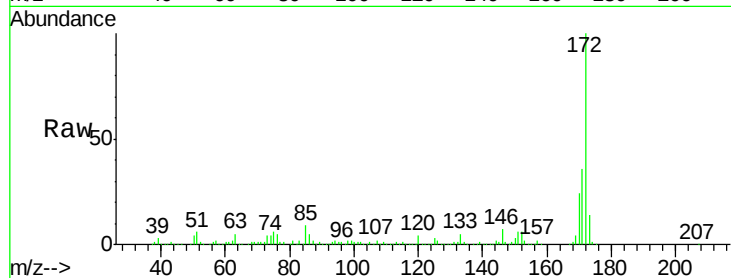
#44
2-Fluorobiphenyl
Concen: 82.17 ng
RT: 9.02 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002-SPLPSVOC1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.5	44.3
170	24.2	19.9	29.9

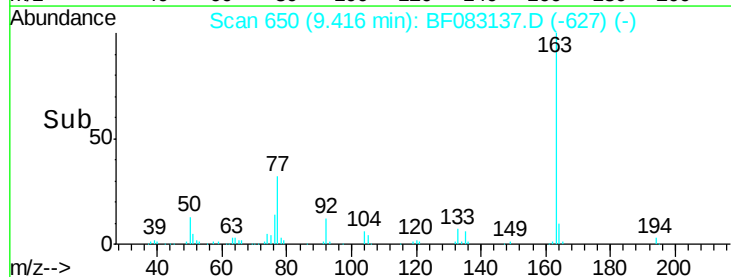
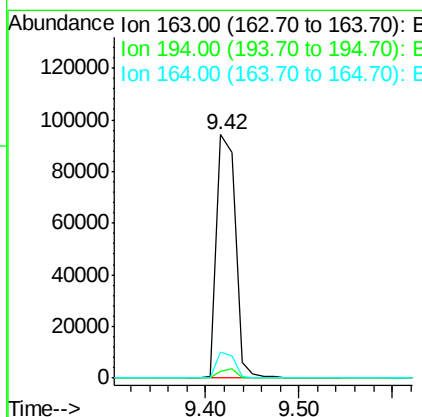
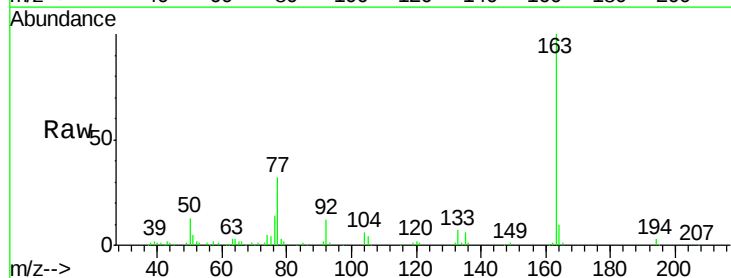
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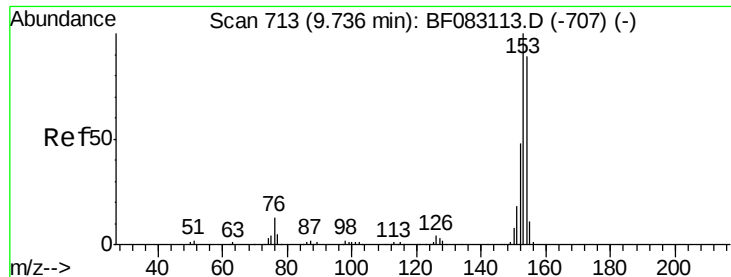
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#49
Dimethylphthalate
Concen: 4.43 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	4.0
164	10.5	8.6	12.8





#51

Acenaphthene

Concen: 5.75 ng

RT: 9.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

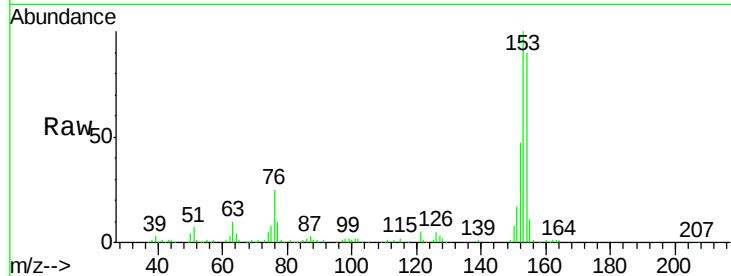
ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

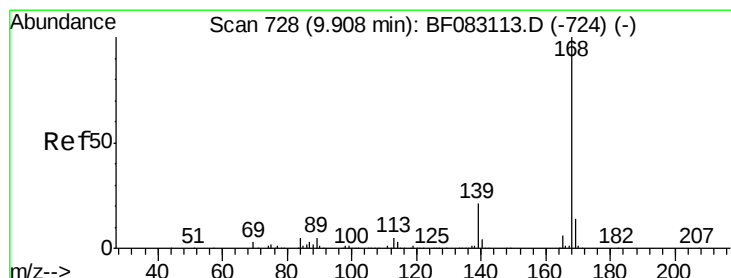
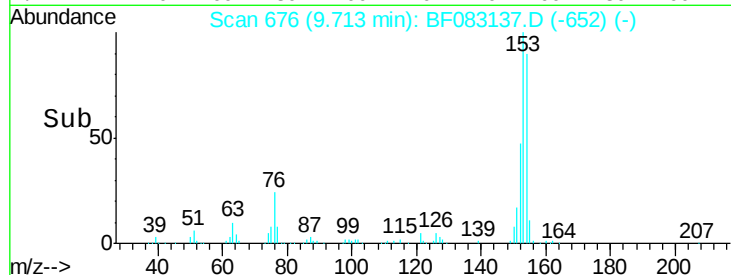
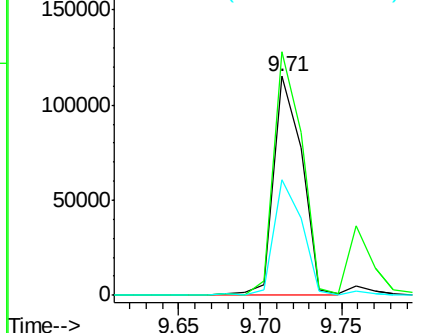
Tot Ion:	154	Resp:	140250
Ion Ratio	Lower	Upper	
154	100		
153	111.2	89.6	134.4
152	52.8	43.3	64.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.17 ng

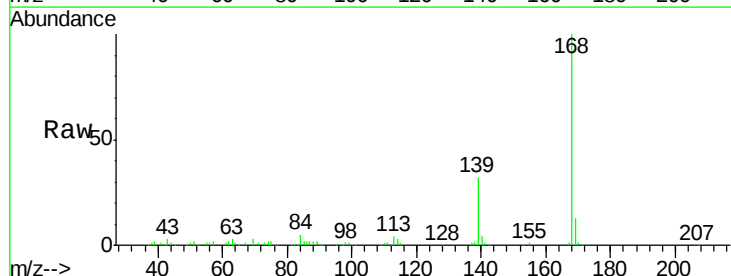
RT: 9.90 min Scan# 692

Delta R.T. -0.01 min

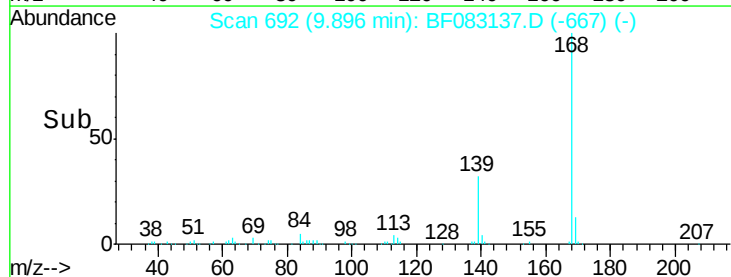
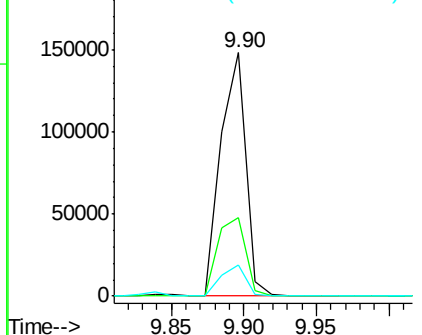
Lab File: BF083137.D

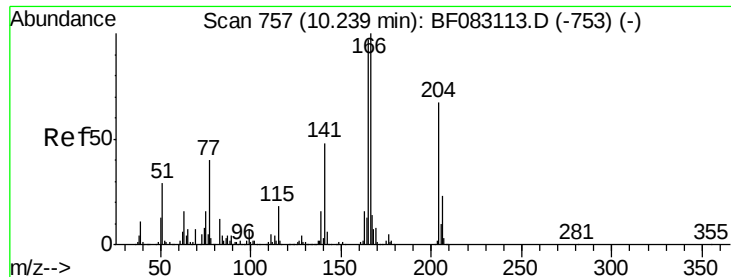
Acq: 22 Nov 2015 4:32

Tgt Ion:	168	Resp:	178275
Ion Ratio	Lower	Upper	
168	100		
139	32.5	30.2	45.2
169	12.8	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 6.52 ng

RT: 10.23 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

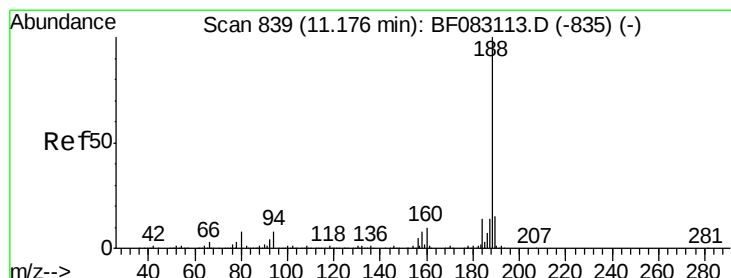
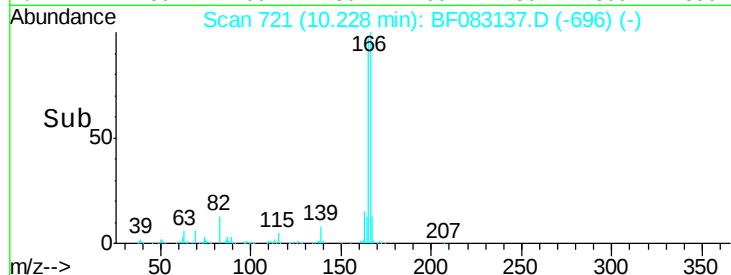
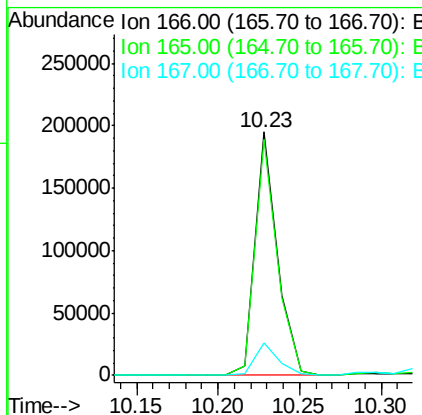
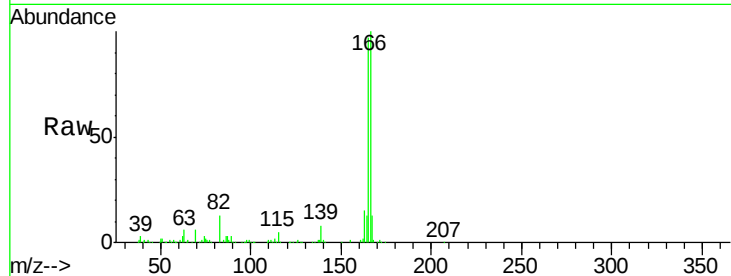
ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	186028		
165	96.9	78.0	117.0	
167	13.4	11.3	16.9	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

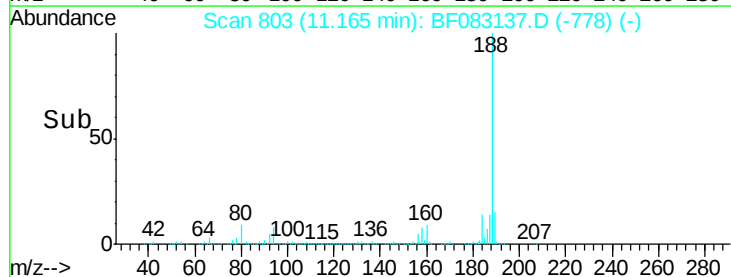
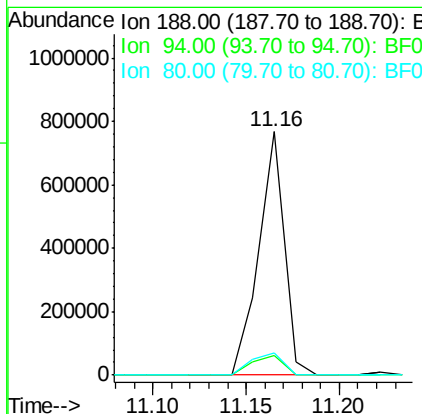
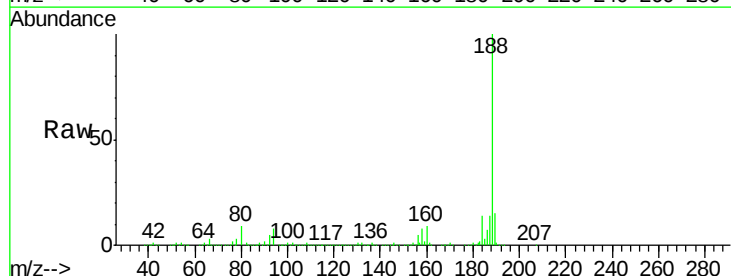
RT: 11.16 min Scan# 803

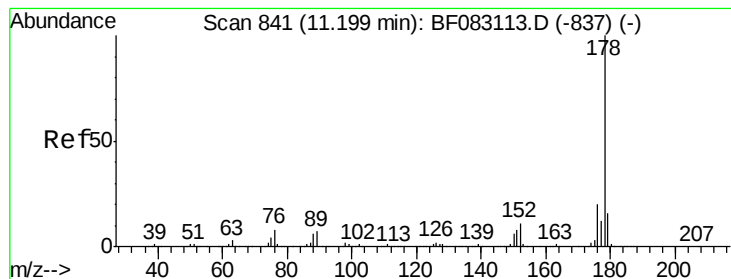
Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	726808		
94	8.2	6.0	9.0	
80	9.3	6.7	10.1	





#70

Phenanthrene

Concen: 13.45 ng

RT: 11.19 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

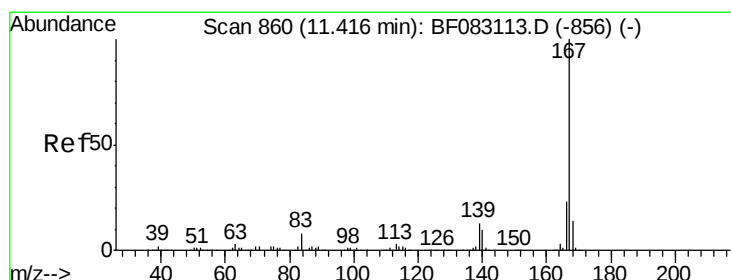
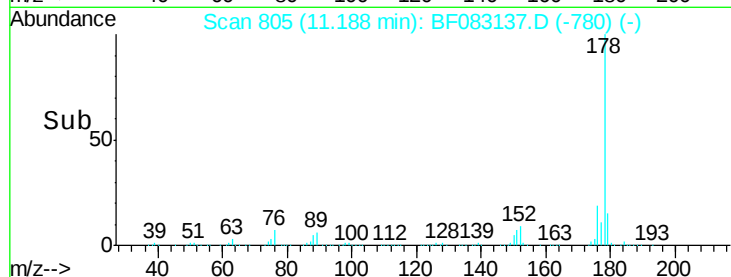
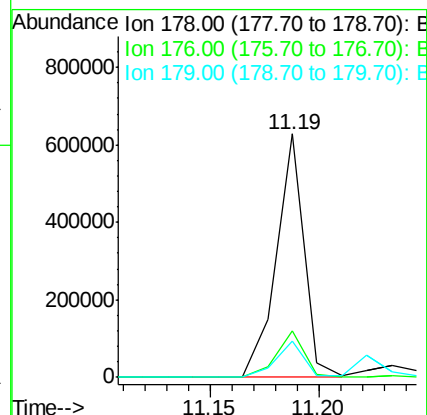
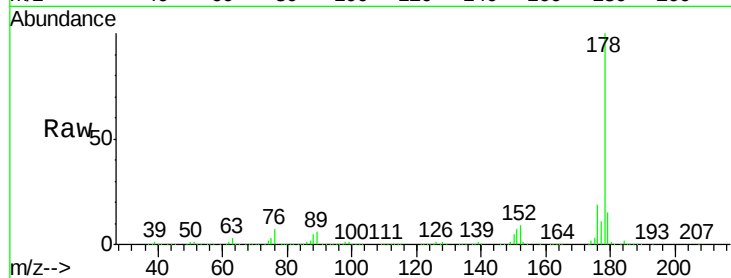
ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

Tot Ion:	178	Resp:	563190
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.2
179	15.1	12.8	19.2

Manual Integrations
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#72

Carbazole

Concen: 3.11 ng

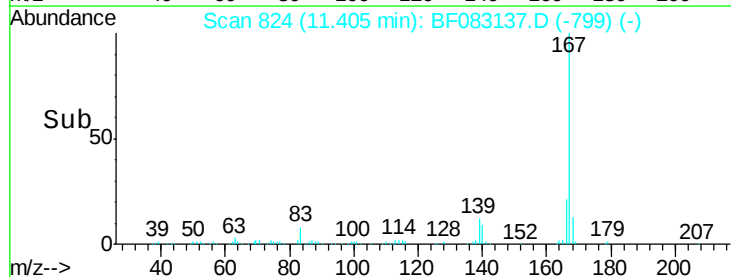
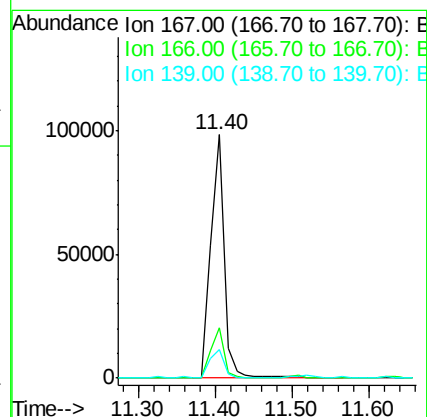
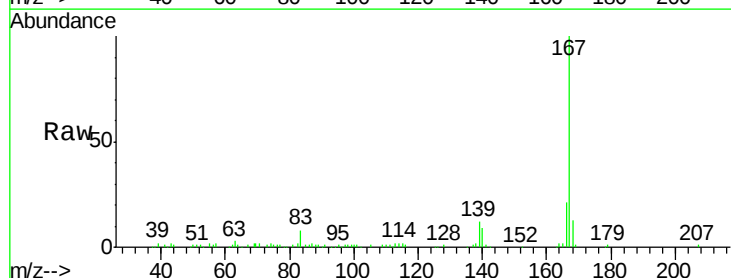
RT: 11.40 min Scan# 824

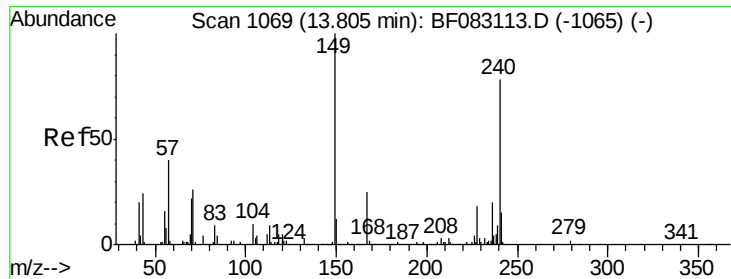
Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Tgt Ion:	167	Resp:	118164
Ion Ratio	Lower	Upper	
167	100		
166	20.5	18.0	27.0
139	11.5	10.5	15.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

Tot Ion:240 Resp: 632259

Ion Ratio Lower Upper

240 100

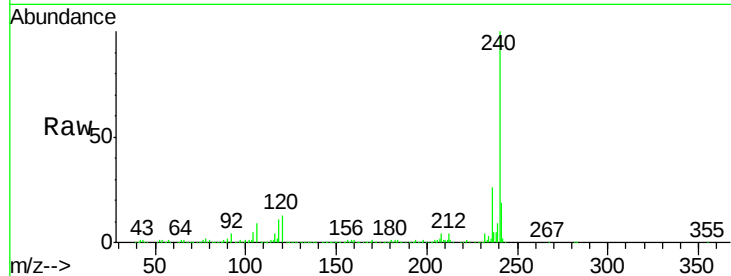
120 12.6 5.4 8.2#

236 25.8 20.6 31.0

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

800000

600000

400000

200000

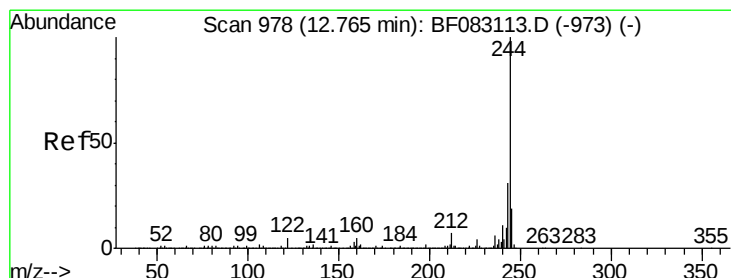
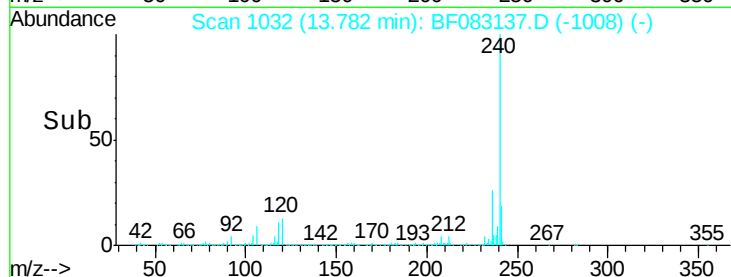
0

13.78

13.80

14.00

Time-->



#78

Terphenyl-d14

Concen: 81.59 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

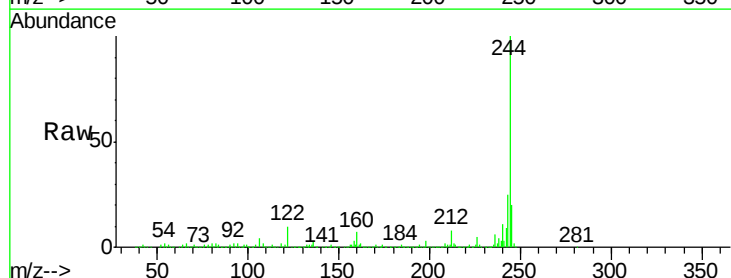
Tgt Ion:244 Resp: 2190675

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

122 10.3 4.3 6.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

2500000

2000000

1500000

1000000

500000

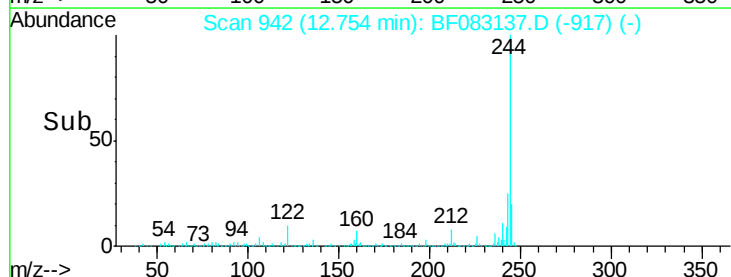
0

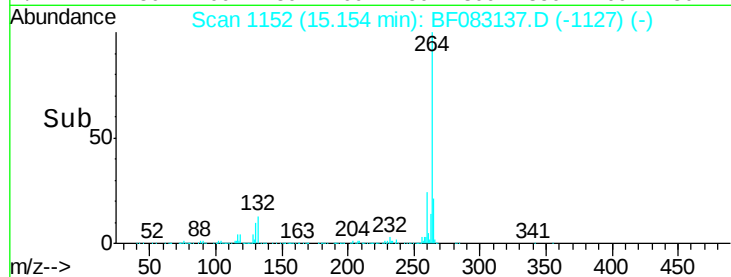
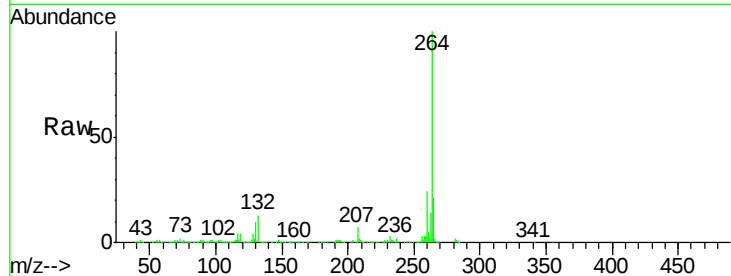
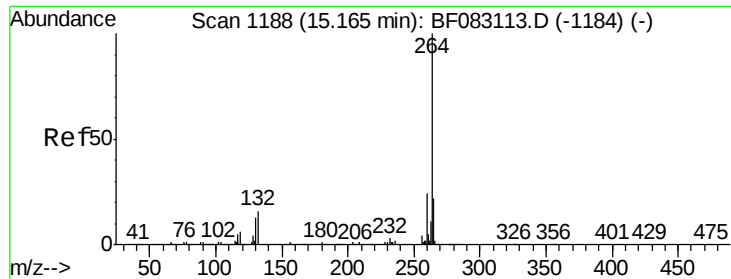
12.75

12.80

12.90

Time-->





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF083137.D
 Acq: 22 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY_SF_002-SPLPSVOC1

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.2	19.1	28.7
265	21.5	18.2	27.4

Manual Integrations
 APPROVED

Mmdadoda
 11/23/2015 7:01:46 PM

