

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
 Data File : BF083384.D
 Acq On : 1 Dec 2015 20:57
 Operator : UM/IZ
 Sample : G4593-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-14.5

Manual Integrations
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 12/2/2015 6:12:52 PM

Quant Time: Dec 02 03:47:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	150935	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	610173	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	304123	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	553738	20.00	ng	0.00
75) Chrysene-d12	14.75	240	417773	20.00	ng	-0.01
86) Perylene-d12	16.82	264	336260	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	944035	93.85	ng	0.01
7) Phenol-d6	6.21	99	1253870	91.07	ng	-0.01
23) Nitrobenzene-d5	7.12	82	816873	58.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	267484	87.62	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1313309	61.54	ng	0.00
78) Terphenyl-d14	13.22	244	1179678	67.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.86	128	95754	2.89	ng	97
49) Dimethylphthalate	9.32	163	317377	12.84	ng	98
51) Acenaphthene	9.62	154	68304	3.58	ng	97
54) Dibenzofuran	9.79	168	91552	3.28	ng	93
57) Fluorene	10.13	166	70680	3.20	ng	98
70) Phenanthrene	11.15	178	1271317	38.80	ng	98
71) Anthracene	11.21	178	248755	7.54	ng	97
72) Carbazole	11.41	167	112103	3.78	ng	97
74) Fluoranthene	12.66	202	1697325	49.97	ng	99
77) Pyrene	12.97	202	1502730	51.51	ng	# 95
80) Benzo(a)anthracene	14.74	228	698188	27.28	ng	100
82) Chrysene	14.79	228	597496	24.16	ng	98
85) Indeno(1,2,3-cd)pyrene	18.20	276	275417	15.29	ng	95
87) Benzo(b)fluoranthene	16.31	252	607067m	28.14	ng	
88) Benzo(k)fluoranthene	16.34	252	196266m	9.63	ng	
89) Benzo(a)pyrene	16.74	252	428344	23.11	ng	# 96
90) Dibenzo(a,h)anthracene	18.23	278	62803m	3.89	ng	
91) Benzo(g,h,i)perylene	18.57	276	267787	16.90	ng	99

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

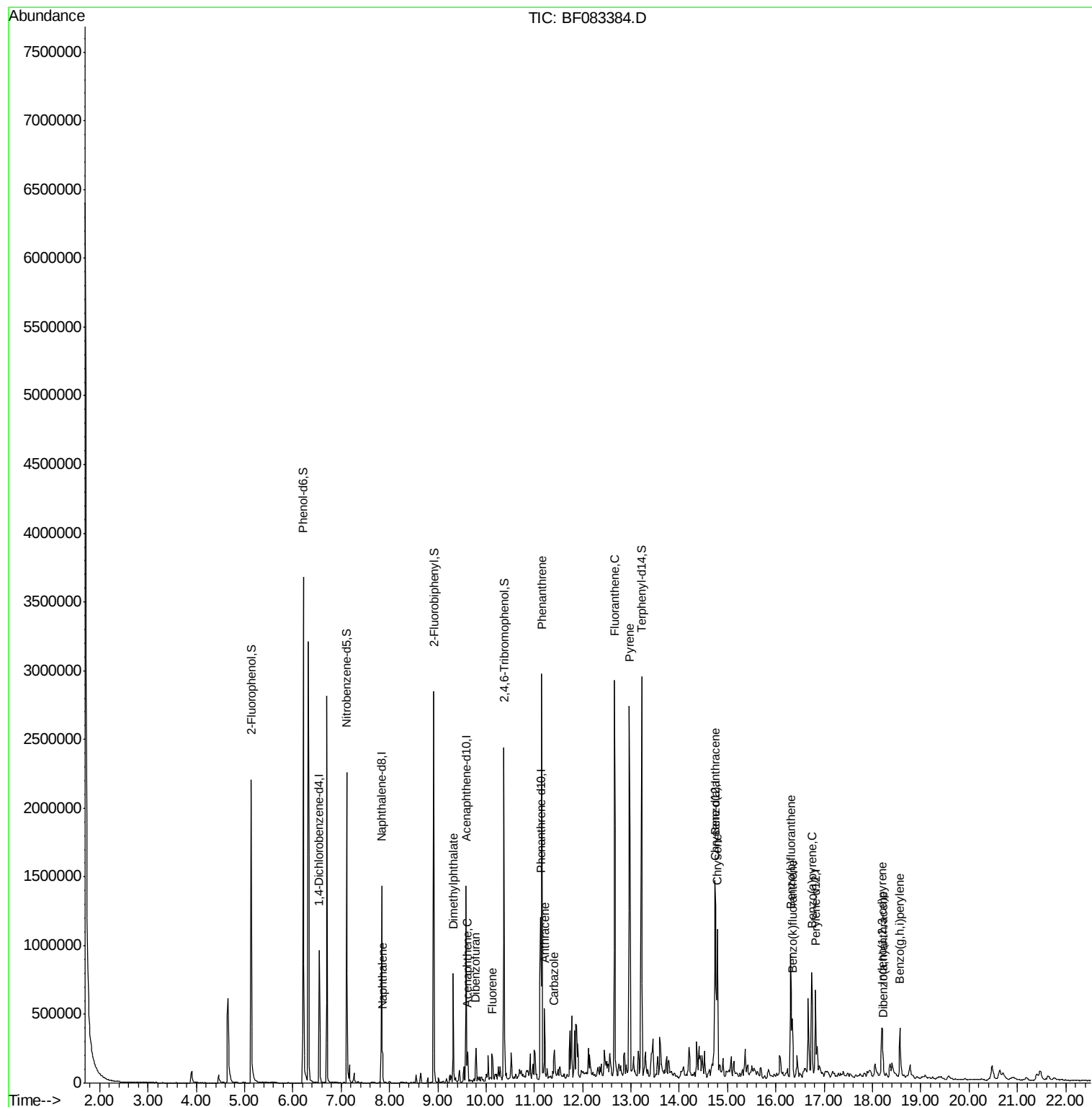
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083384.D
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Operator : UM/IZ
Sample : G4593-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

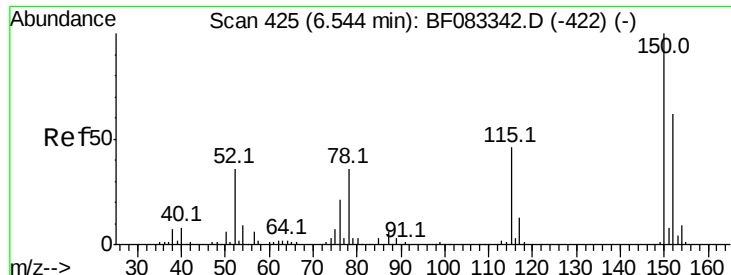
Instrument :
BNA_F
ClientSampleId :
S2-14.5

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Quant Time: Dec 02 03:47:33 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

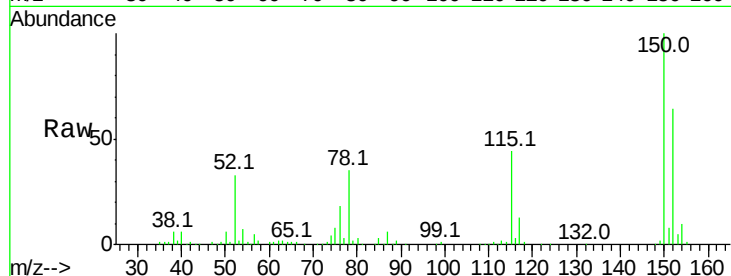
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Instrument :
BNA_F
ClientSampled :
S2-14.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	129.8	194.8
115	69.4	59.2	88.8

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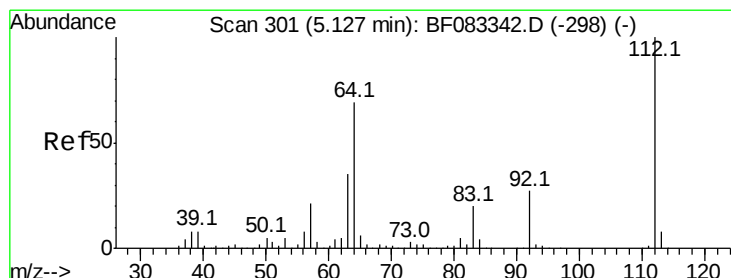
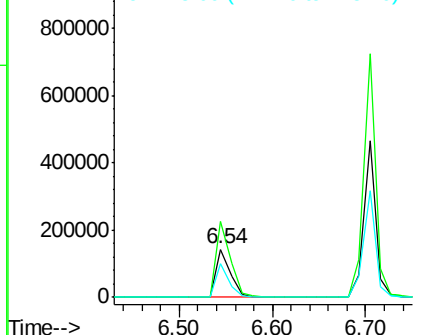
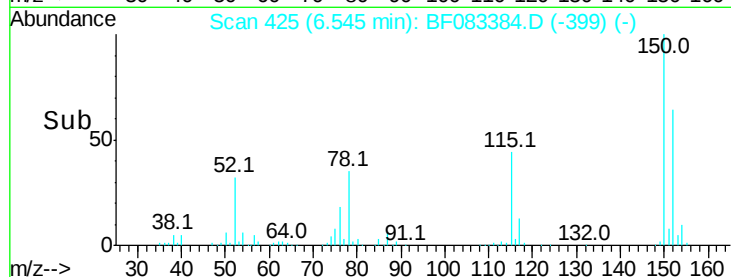


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

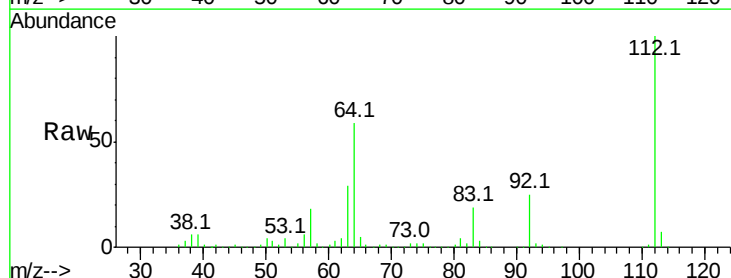
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.85 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	55.6	83.4
63	29.2	28.2	42.2

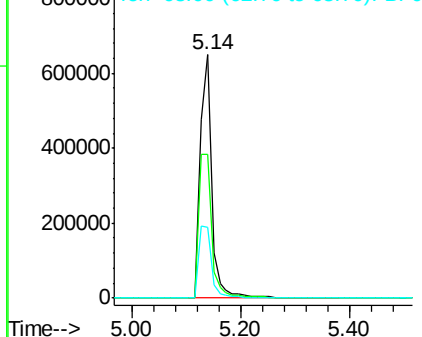
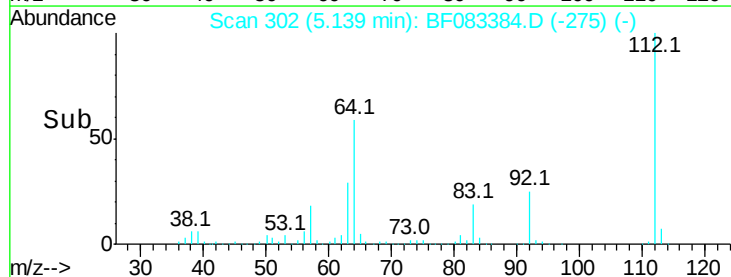


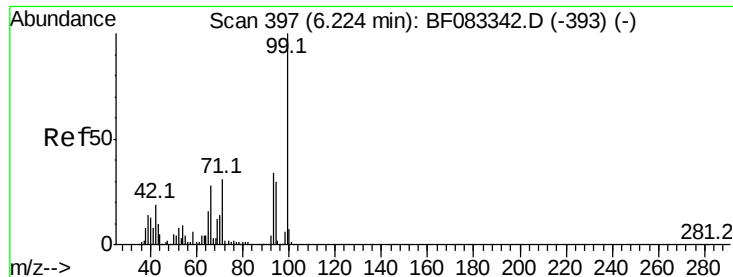
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.07 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Instrument :

BNA_F

ClientSampleId :

S2-14.5

Tot Ion: 99 Resp: 1253870

Ion Ratio Lower Upper

99 100

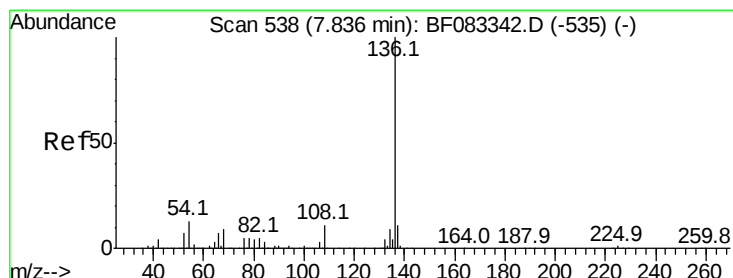
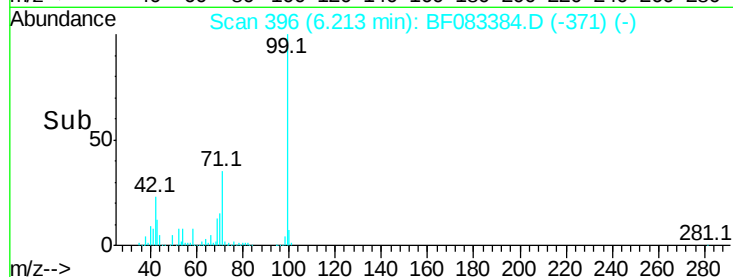
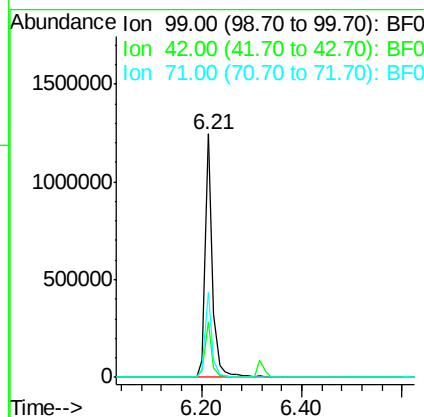
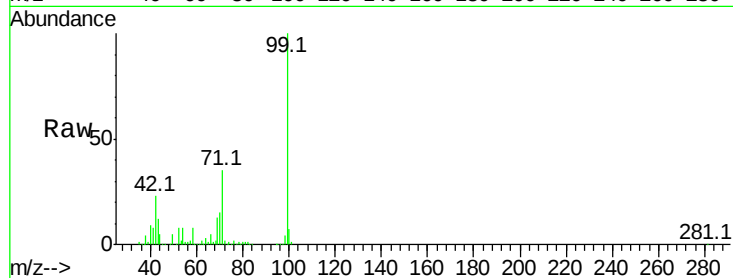
42 22.6 14.9 22.3#

71 34.6 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Tgt Ion: 136 Resp: 610173

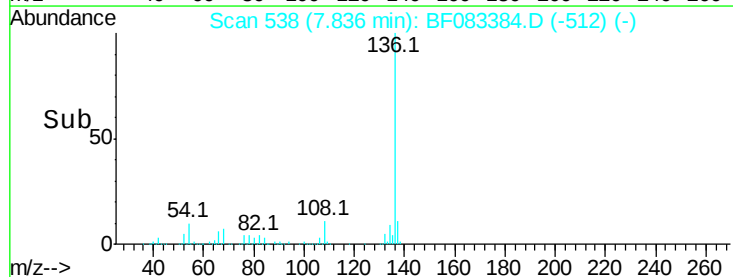
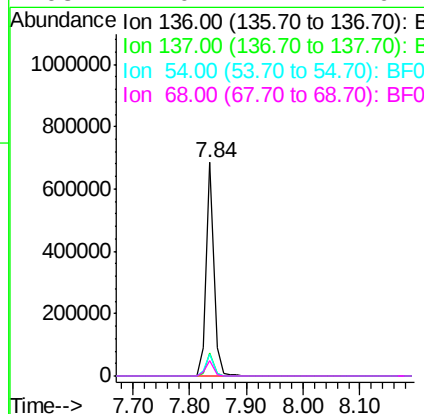
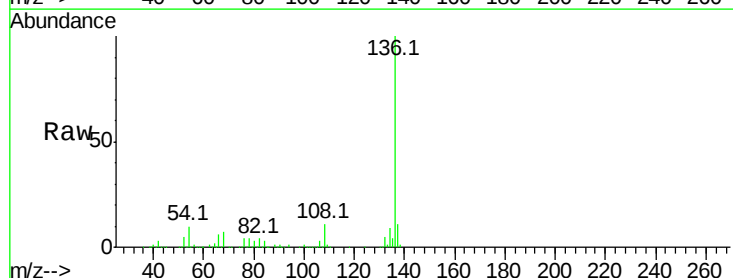
Ion Ratio Lower Upper

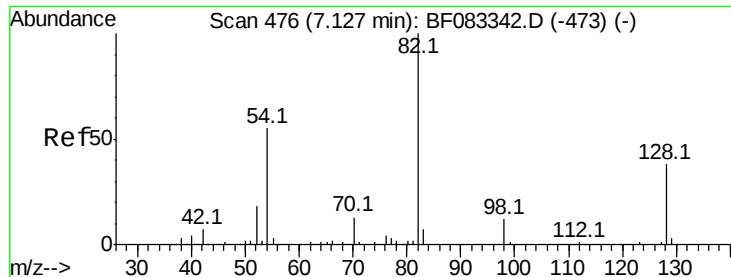
136 100

137 11.0 9.0 13.4

54 9.9 10.1 15.1#

68 7.0 7.1 10.7#





#23

Nitrobenzene-d5

Concen: 58.85 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Instrument :

BNA_F

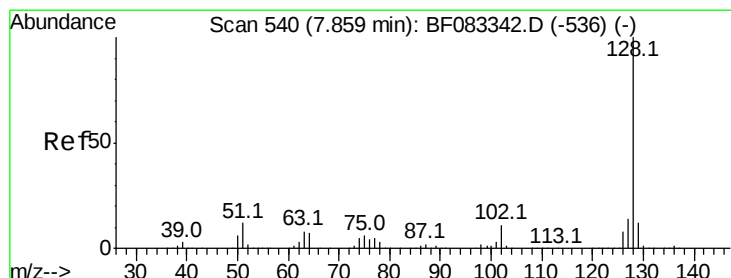
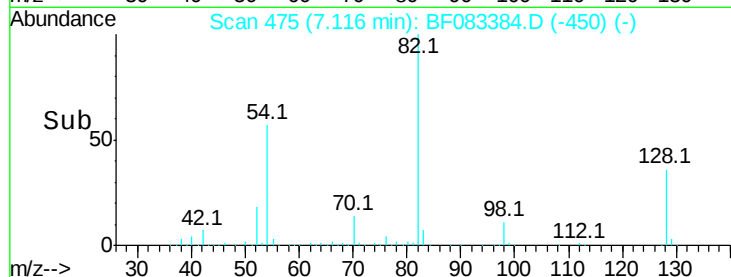
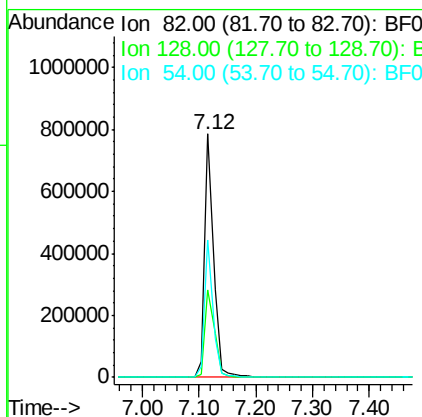
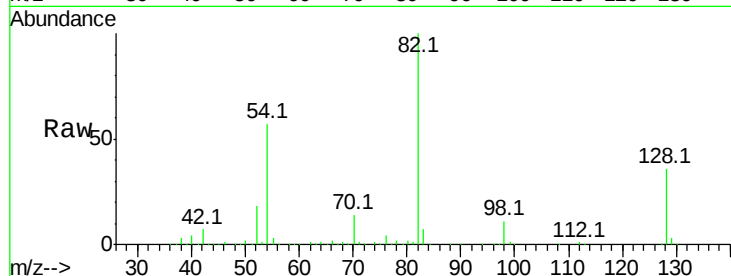
ClientSampleId :

S2-14.5

Tot Ion:	82	Resp:	816873
Ion Ratio	Lower	Upper	
82	100		
128	35.7	30.6	46.0
54	56.5	43.8	65.6

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#31

Naphthalene

Concen: 2.89 ng

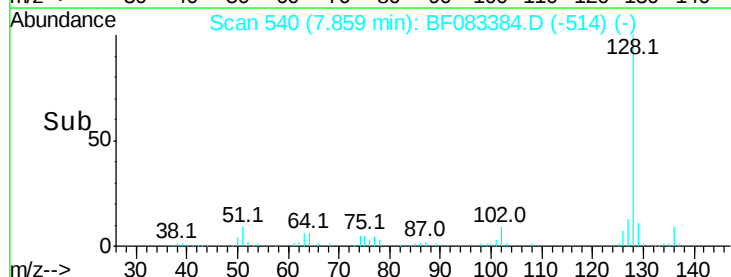
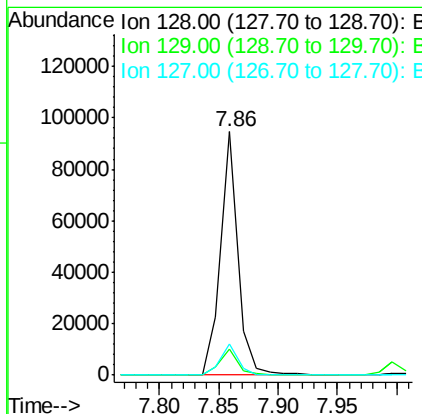
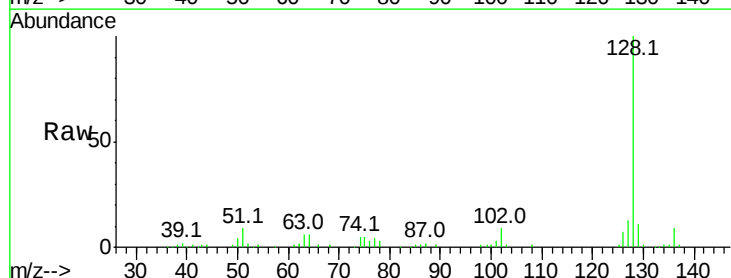
RT: 7.86 min Scan# 540

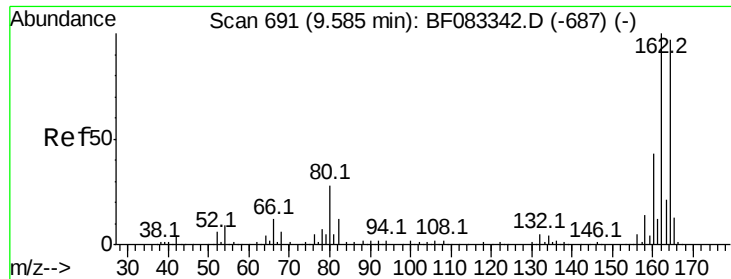
Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Tgt Ion:	128	Resp:	95754
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.7	14.5
127	12.5	11.0	16.4





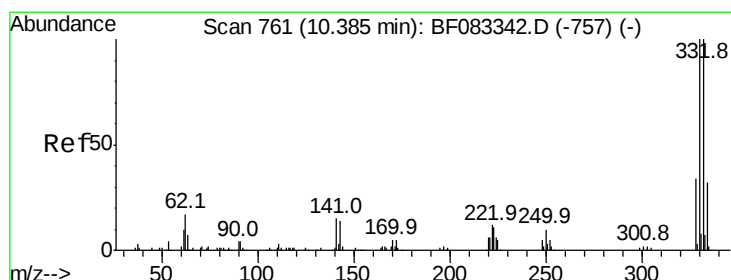
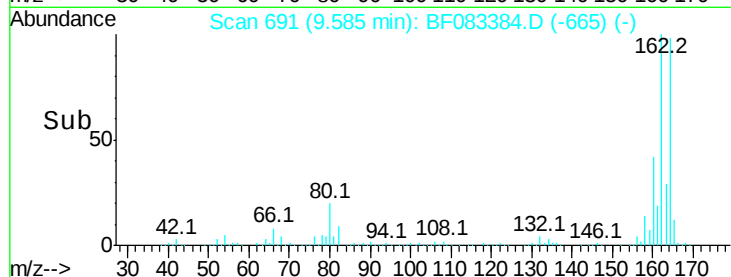
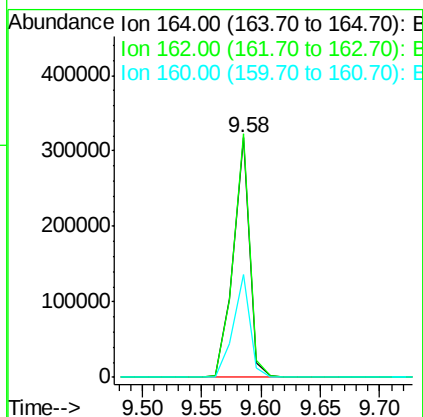
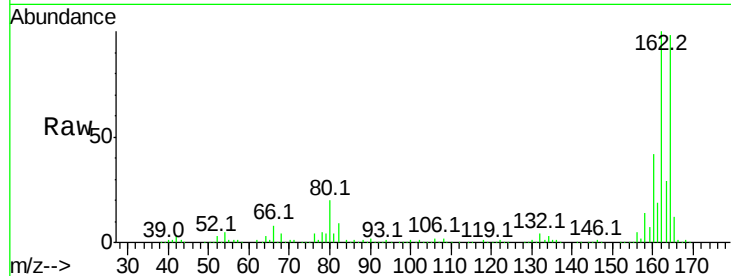
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Instrument :
BNA_F
ClientSampleId :
S2-14.5

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	42.9	35.3	52.9

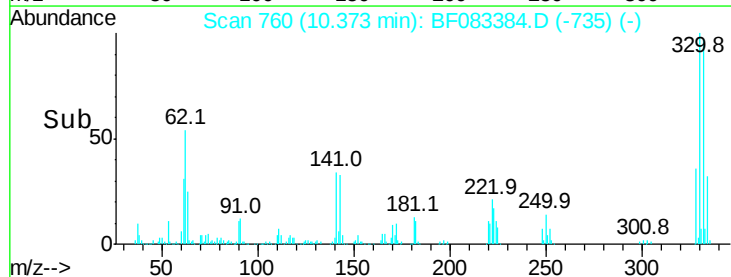
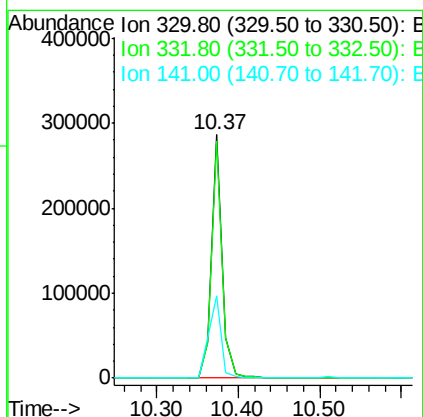
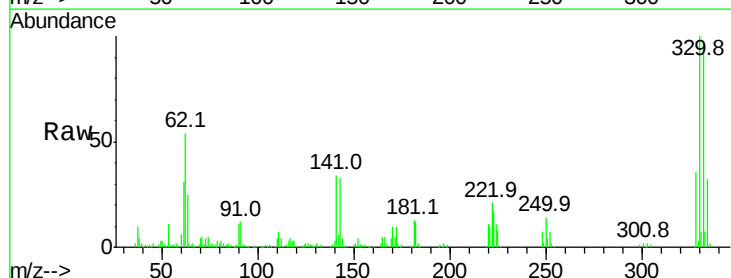
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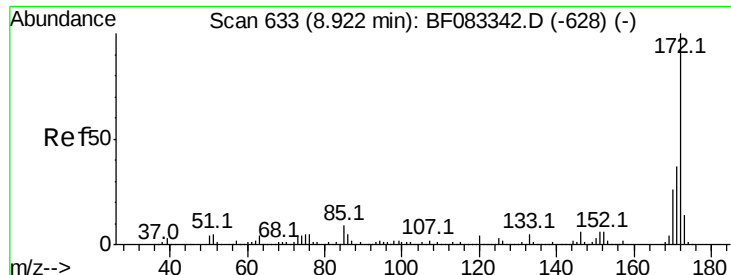
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#41
2,4,6-Tribromophenol
Concen: 87.62 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.8	116.6
141	39.4	29.4	44.0





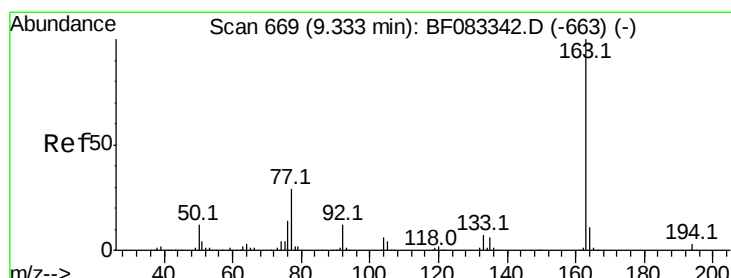
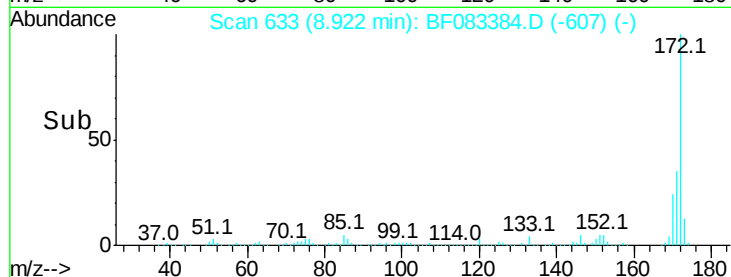
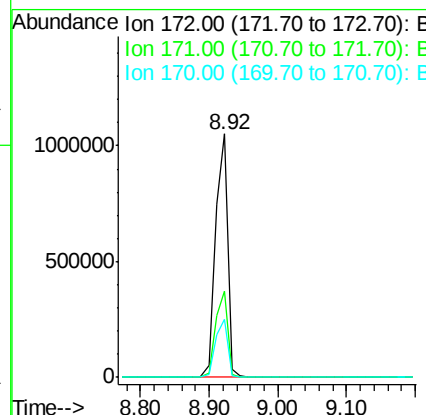
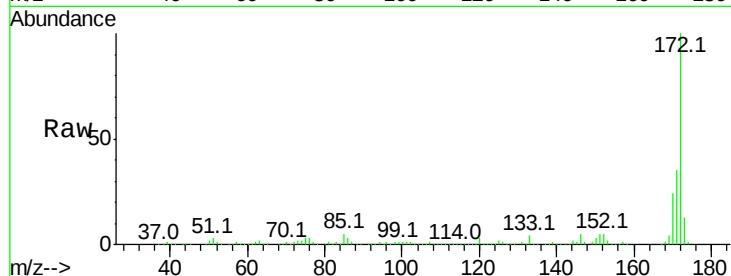
#44
2-Fluorobiphenyl
Concen: 61.54 ng
RT: 8.92 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Instrument :
BNA_F
ClientSampled :
S2-14.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	24.0	20.4	30.6

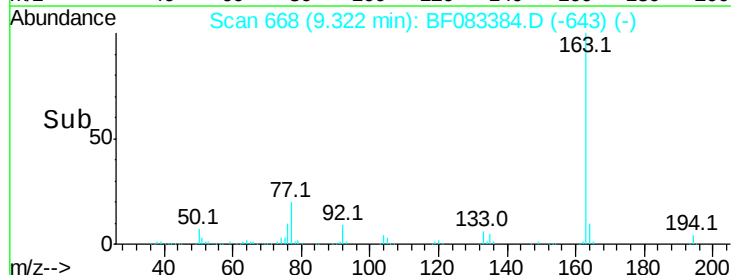
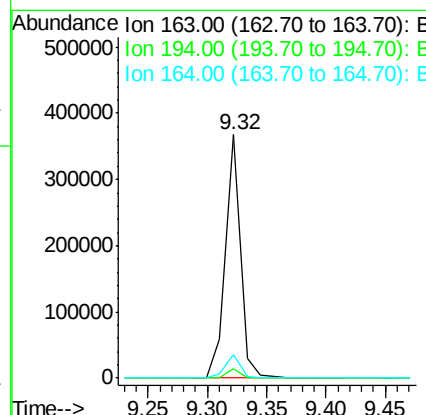
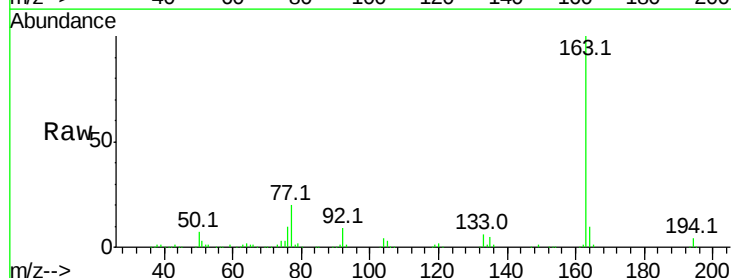
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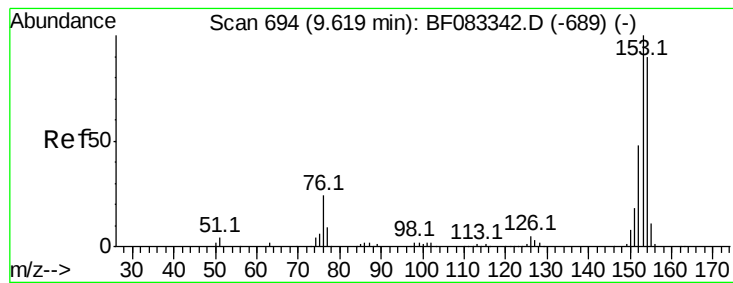
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#49
Dimethylphthalate
Concen: 12.84 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.9	8.8	13.2





#51

Acenaphthene

Concen: 3.58 ng

RT: 9.62 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Instrument :

BNA_F

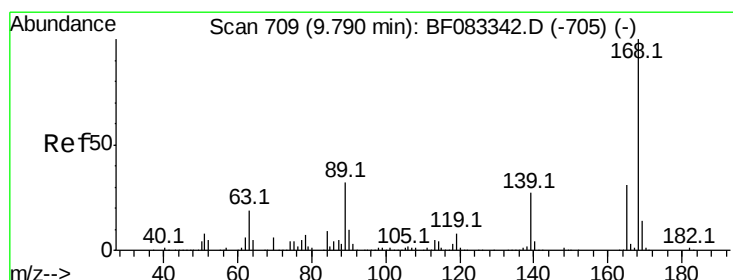
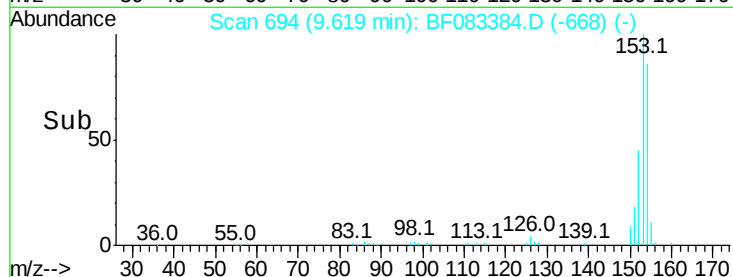
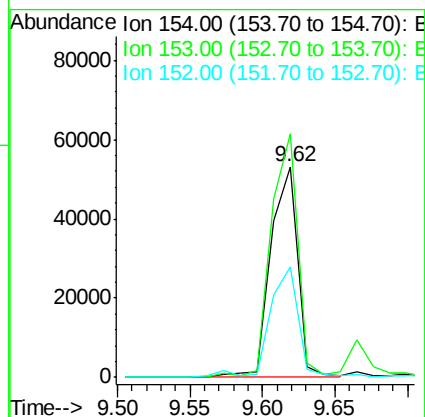
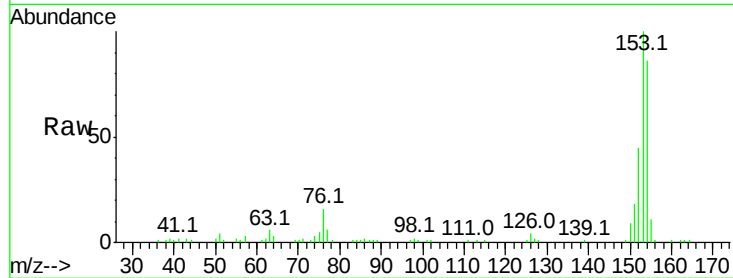
ClientSampleId :

S2-14.5

Tot Ion:	154	Resp:	68304
Ion Ratio	Lower	Upper	
154	100		
153	115.7	89.3	133.9
152	52.5	42.5	63.7

Manual Integrations
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#54

Dibenzofuran

Concen: 3.28 ng

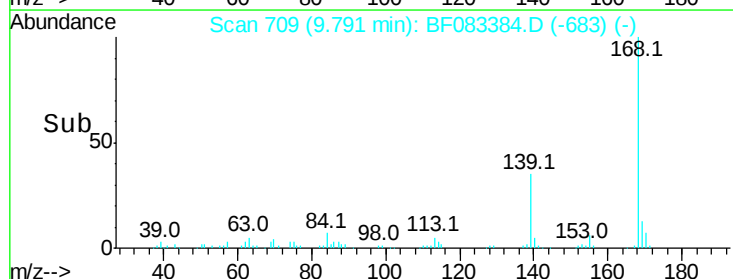
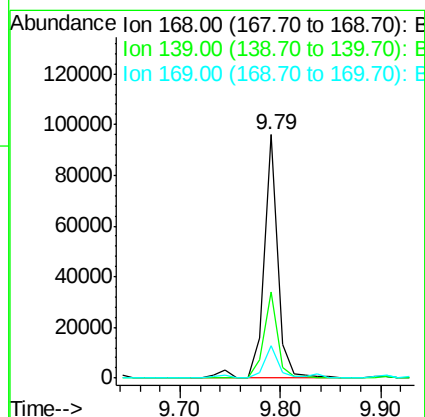
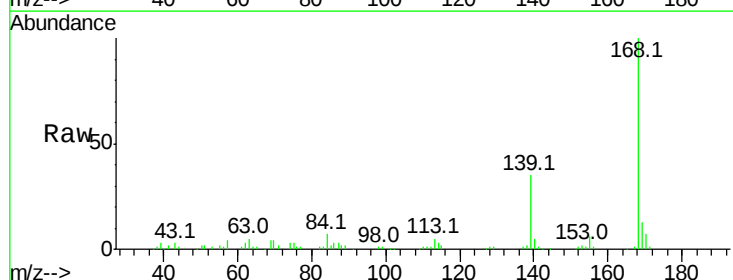
RT: 9.79 min Scan# 709

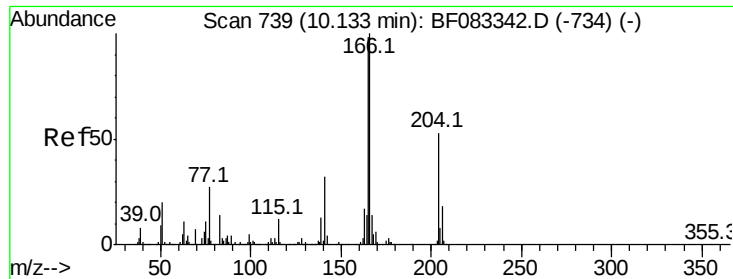
Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Tgt Ion:	168	Resp:	91552
Ion Ratio	Lower	Upper	
168	100		
139	35.2	32.7	49.1
169	13.4	11.1	16.7





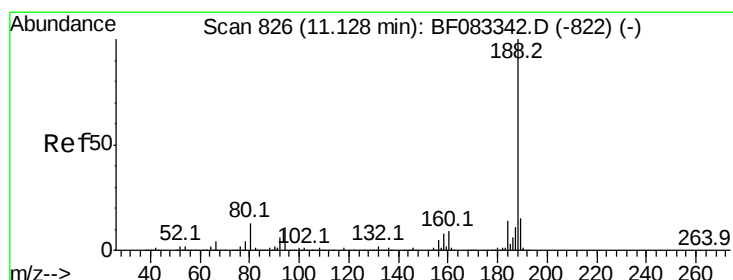
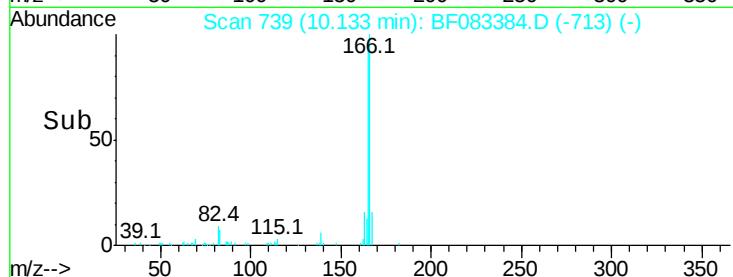
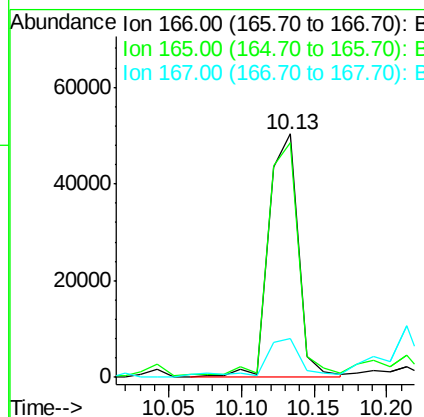
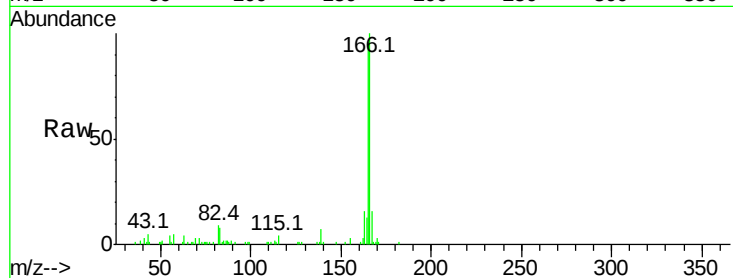
#57
Fluorene
 Concen: 3.20 ng
 RT: 10.13 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083384.D
 Acq: 1 Dec 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 S2-14.5

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.3	78.3	117.5	
167	15.9	11.1	16.7	

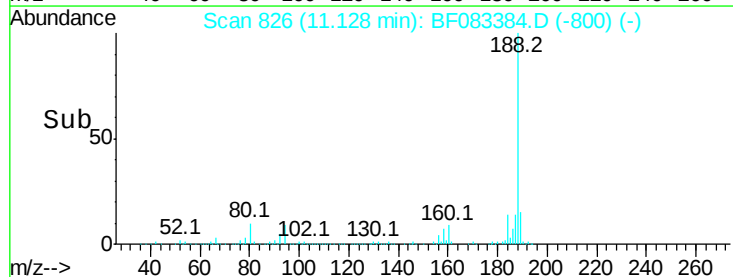
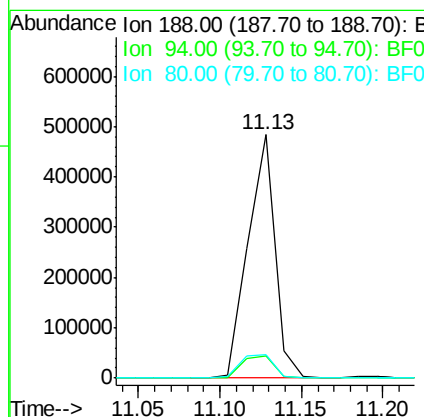
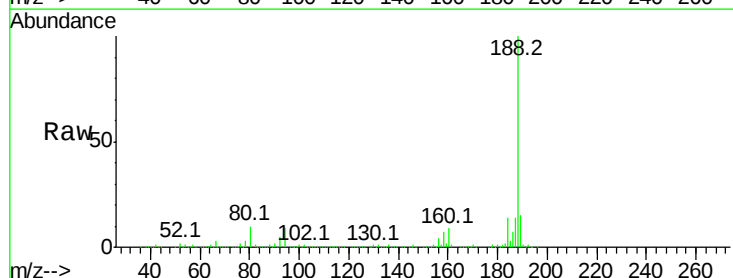
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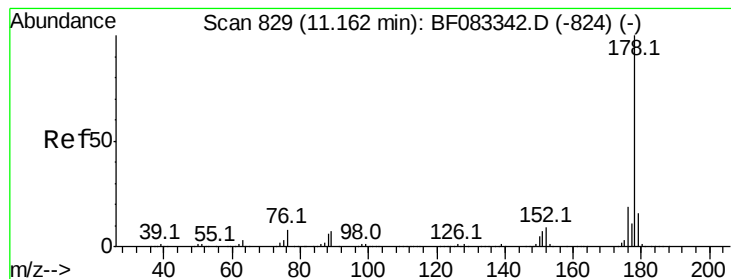
Mmdadoda
 12/2/2015 6:12:52 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF083384.D
 Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.0	8.7	13.1	
80	9.6	10.3	15.5	





#70

Phenanthrene

Concen: 38.80 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Instrument :

BNA_F

ClientSampleId :

S2-14.5

Tot Ion:178 Resp: 1271317

Ion Ratio Lower Upper

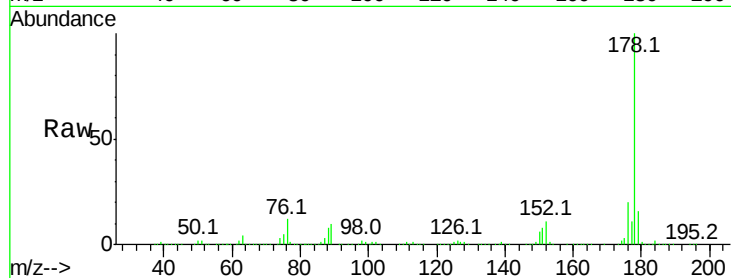
178 100

176 20.1 15.3 22.9

179 16.0 12.4 18.6

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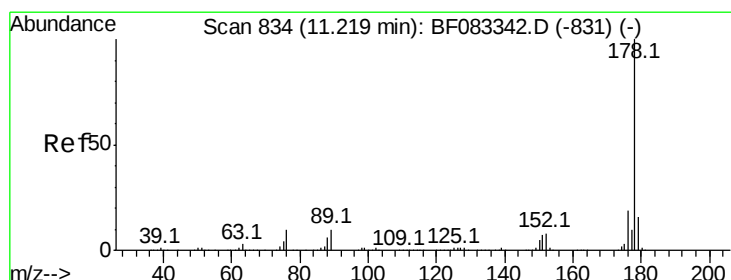
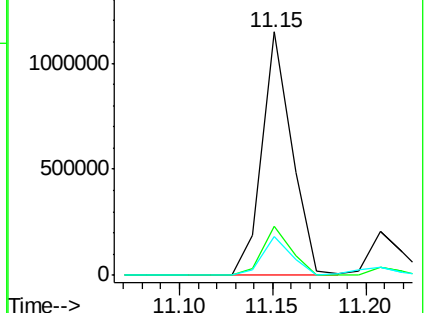
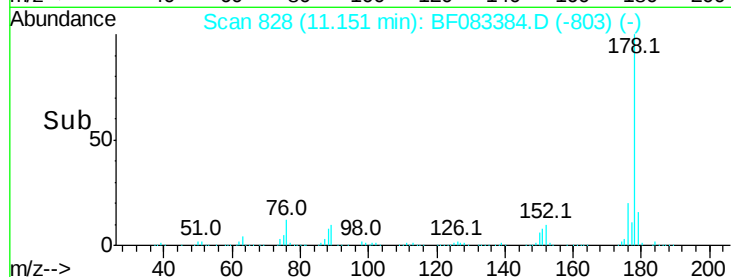
Mmdadoda
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.54 ng

RT: 11.21 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

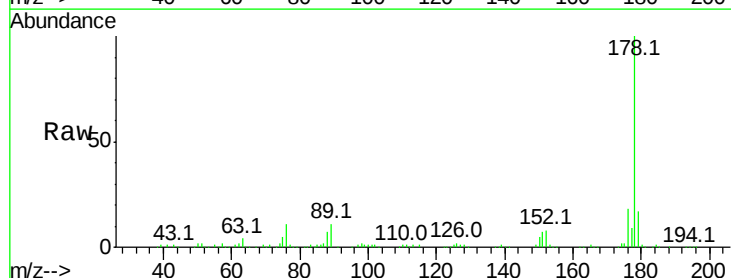
Tgt Ion:178 Resp: 248755

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

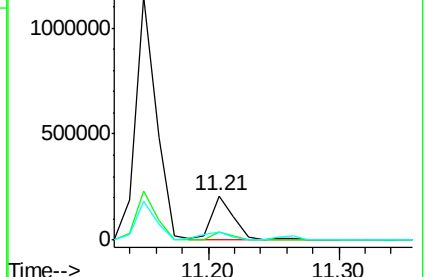
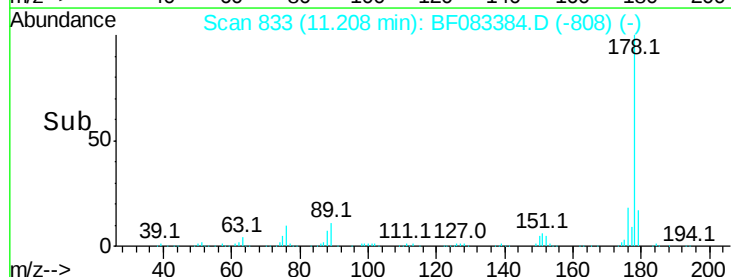
179 17.0 12.8 19.2

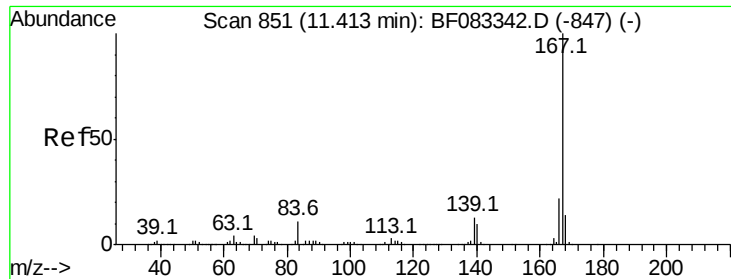


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.78 ng

RT: 11.41 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Instrument :

BNA_F

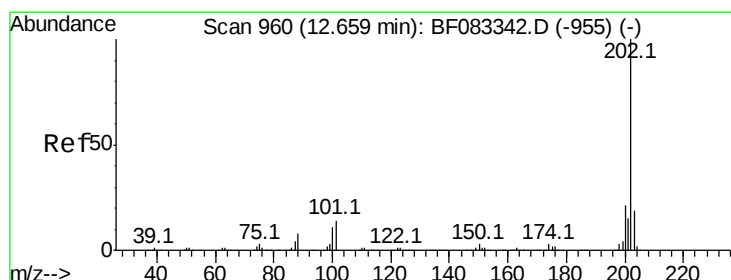
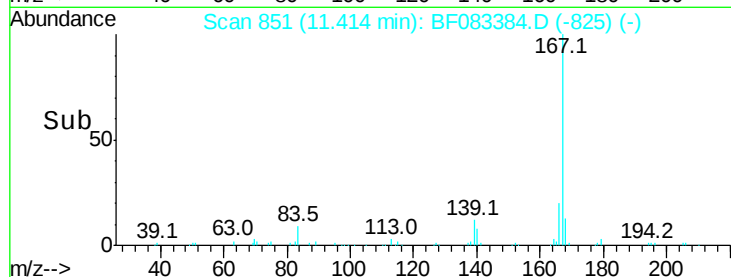
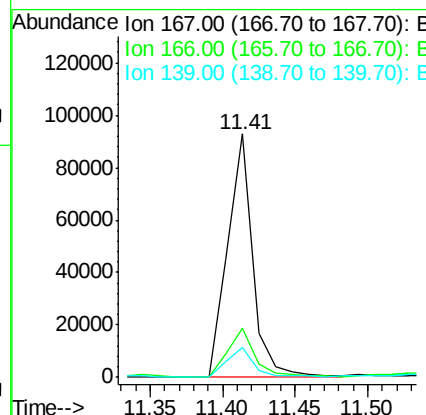
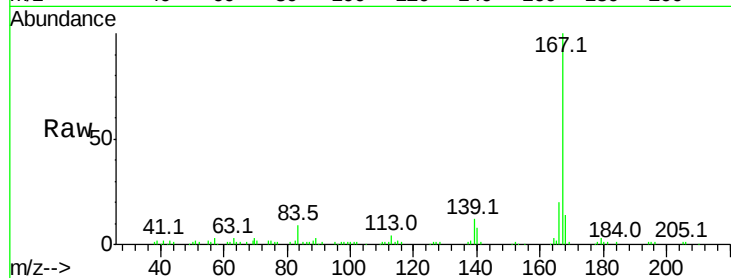
ClientSampleId :

S2-14.5

Tot Ion:	167	Resp:	112103
Ion Ratio	Lower	Upper	
167	100		
166	20.4	17.4	26.0
139	12.3	10.5	15.7

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#74

Fluoranthene

Concen: 49.97 ng

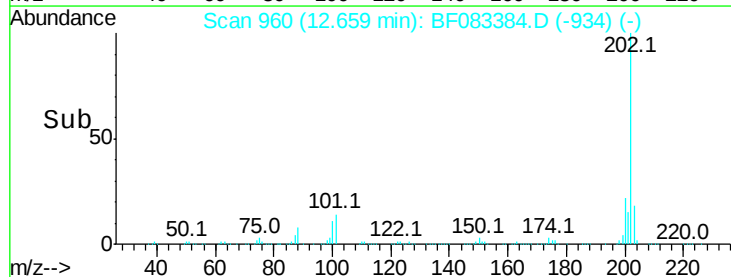
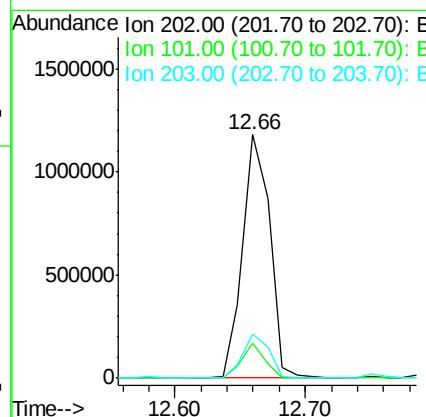
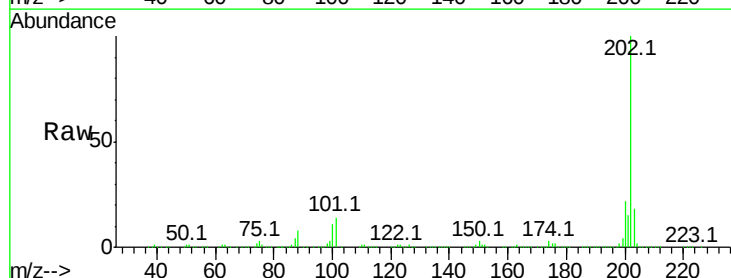
RT: 12.66 min Scan# 960

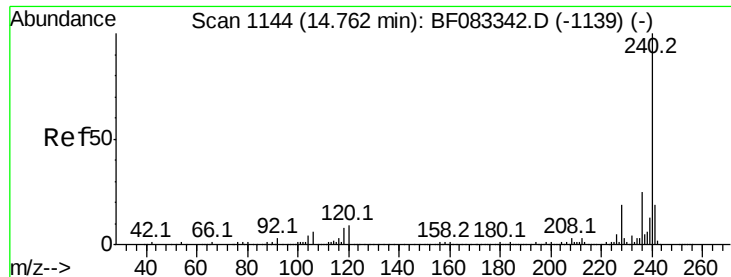
Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Tgt Ion:	202	Resp:	1697325
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	34.5
203	18.2	0.0	38.7





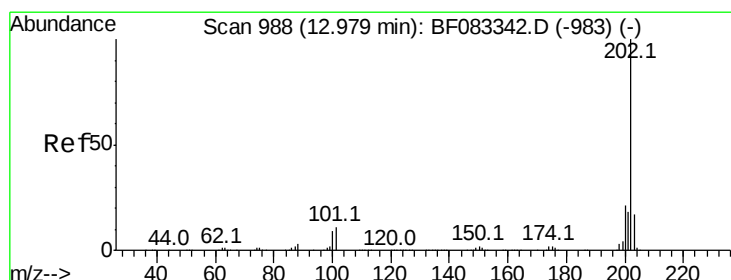
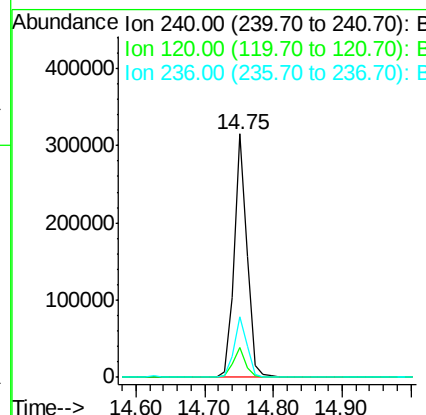
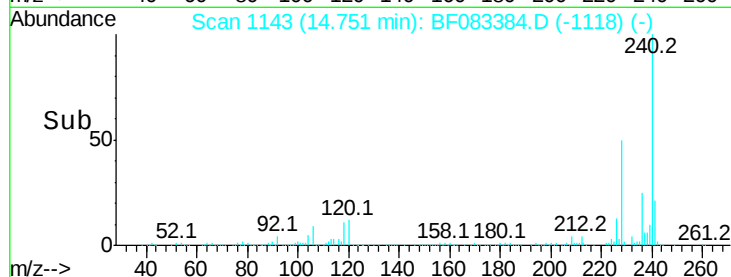
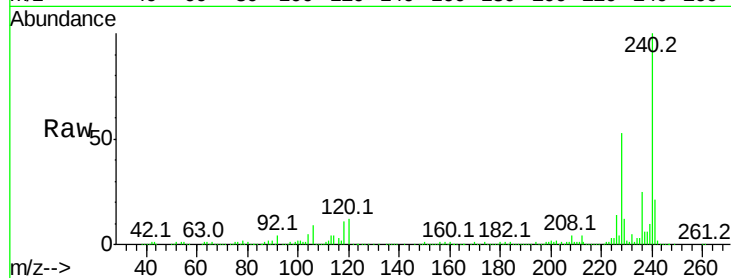
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.75 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF083384.D
 Acq: 1 Dec 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 S2-14.5

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	6.9	10.3#
236	25.1	19.8	29.6

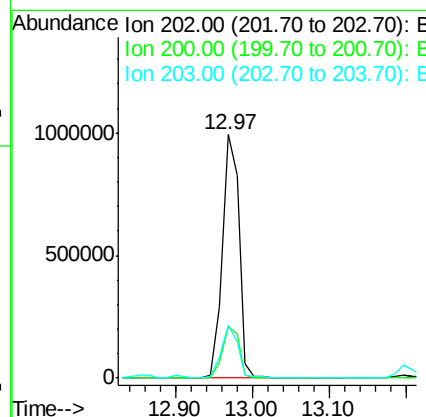
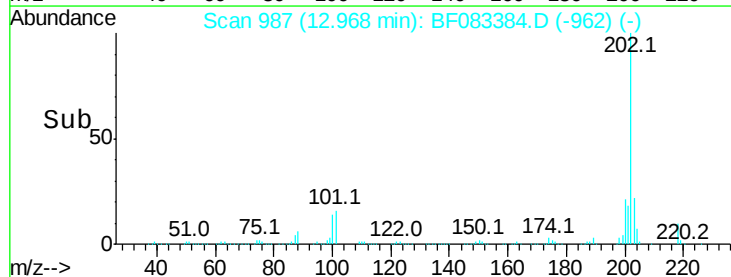
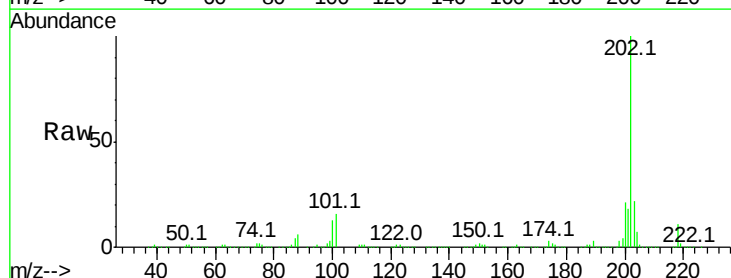
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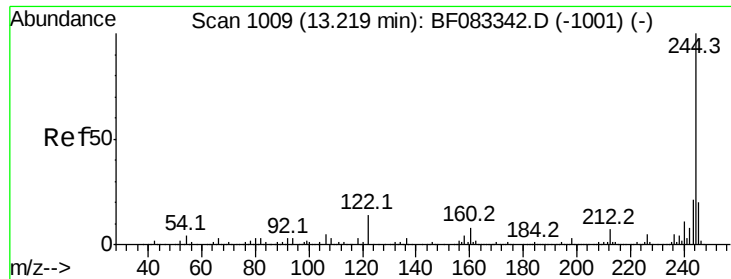
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#77
 Pyrene
 Concen: 51.51 ng
 RT: 12.97 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BF083384.D
 Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	21.9	13.9	20.9#





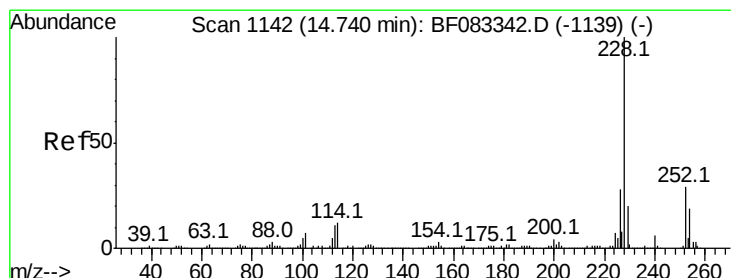
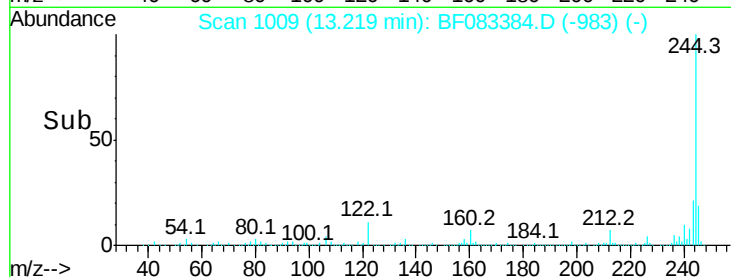
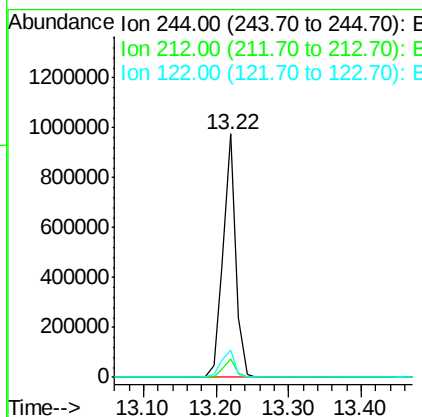
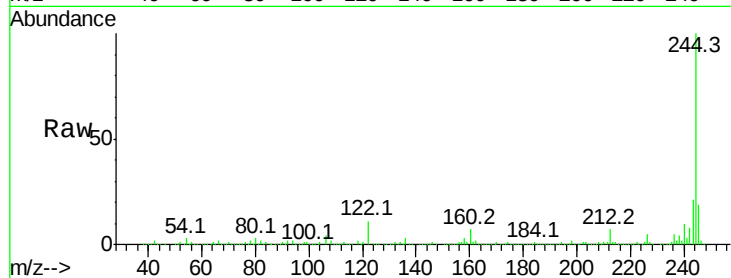
#78
 Terphenyl-d14
 Concen: 67.34 ng
 RT: 13.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF083384.D
 Acq: 1 Dec 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 S2-14.5

Tot Ion:244 Resp: 1179678
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 11.4 11.0 16.4

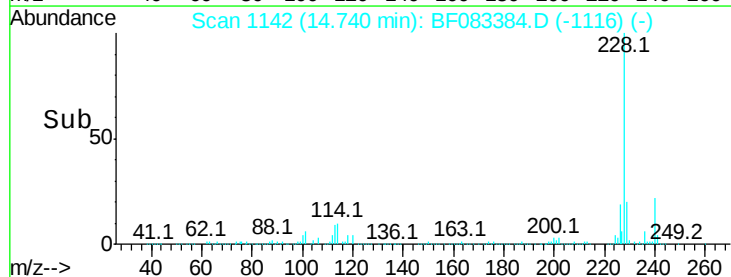
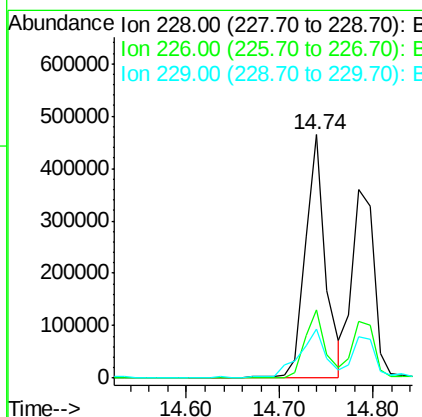
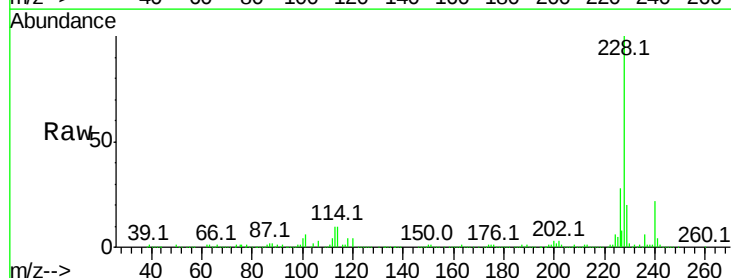
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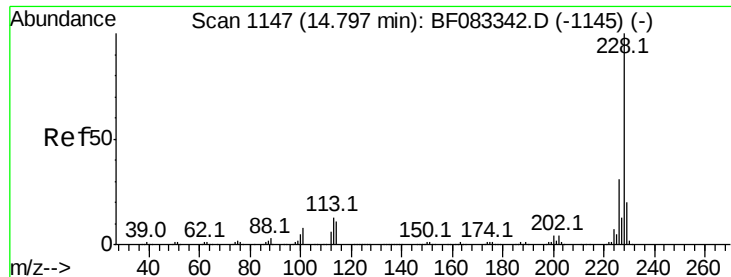
Mmdadoda
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#80
 Benzo(a)anthracene
 Concen: 27.28 ng
 RT: 14.74 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: BF083384.D
 Acq: 1 Dec 2015 20:57

Tgt Ion:228 Resp: 698188
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.2 33.4
 229 19.9 16.1 24.1





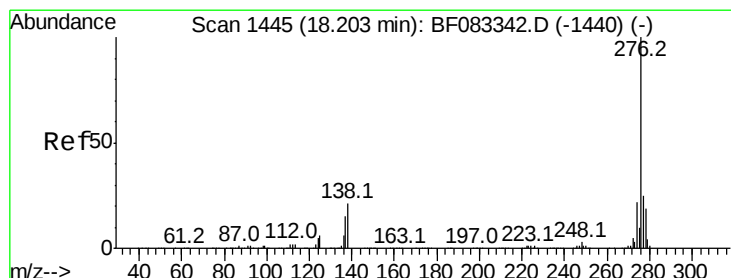
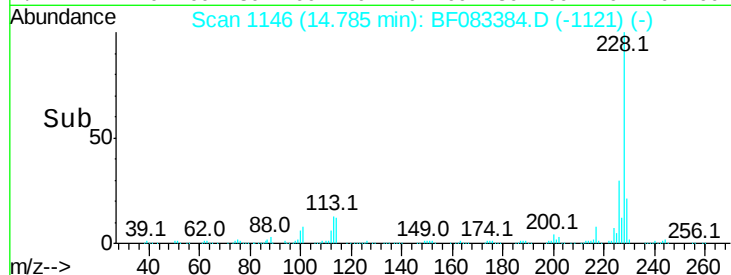
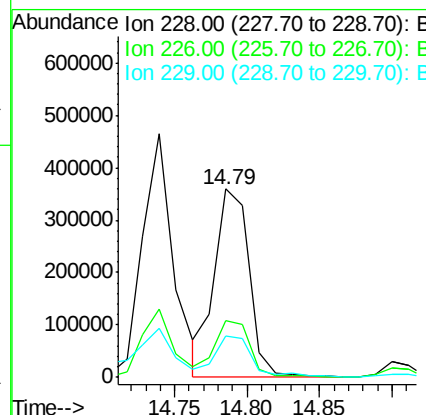
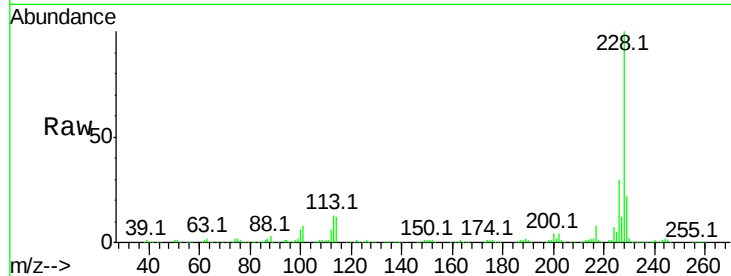
#82
Chrysene
Concen: 24.16 ng
RT: 14.79 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Instrument :
BNA_F
ClientSampleId :
S2-14.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	21.9	16.2	24.2

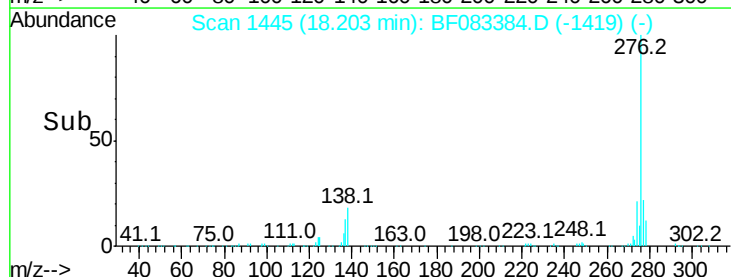
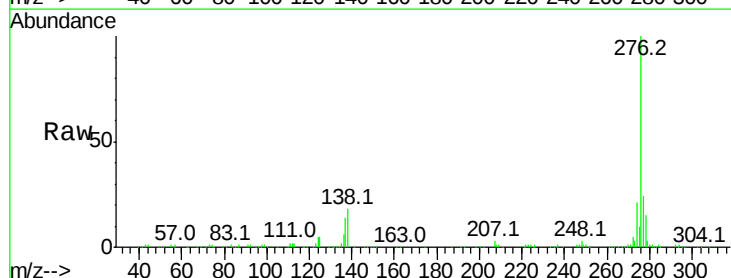
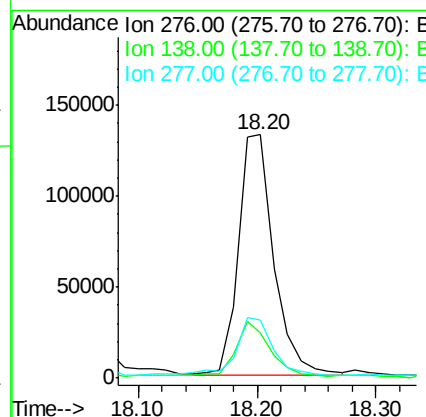
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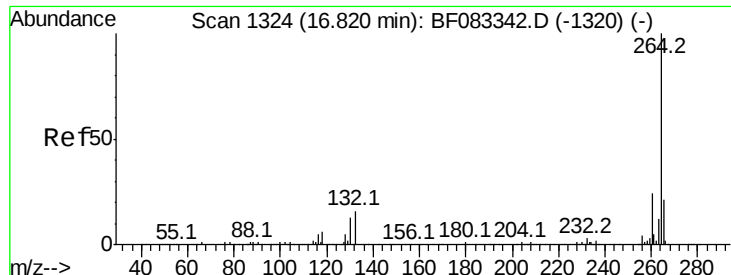
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.29 ng
RT: 18.20 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	21.2	31.8
277	26.0	20.0	30.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.82 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Instrument :

BNA_F

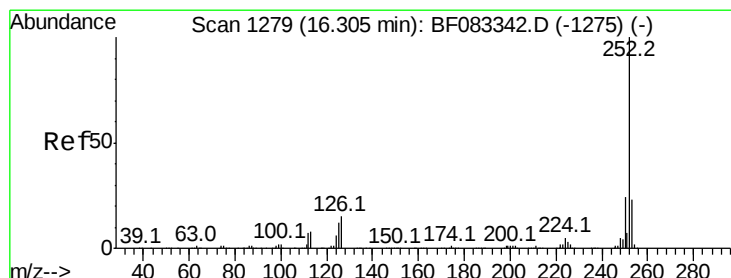
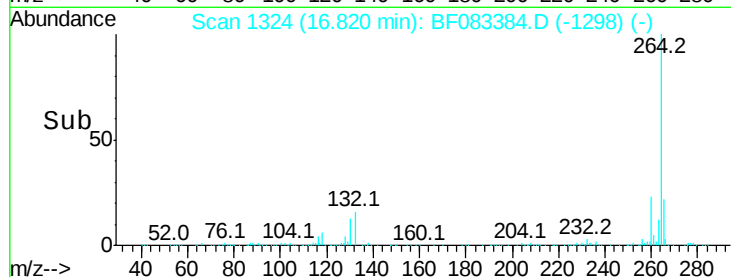
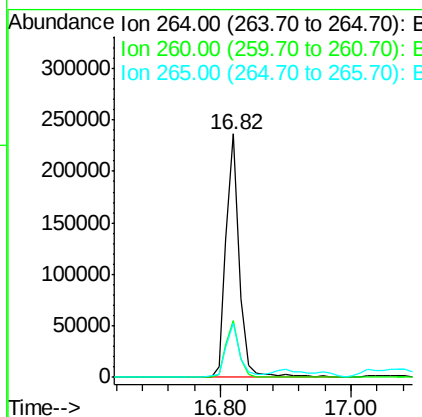
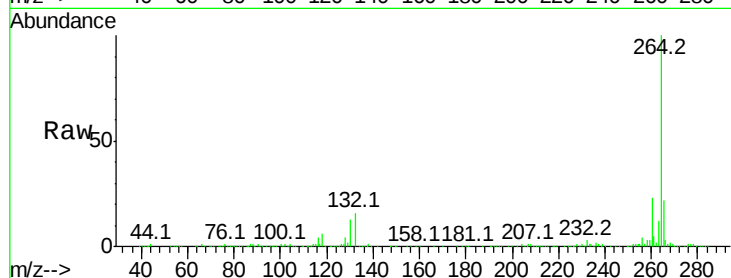
ClientSampleId :

S2-14.5

Tot Ion:	264	Resp:	336260
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.4
265	22.5	16.8	25.2

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#87

Benzo(b)fluoranthene

Concen: 28.14 ng m

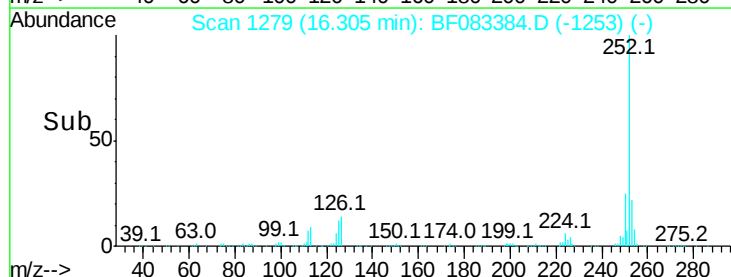
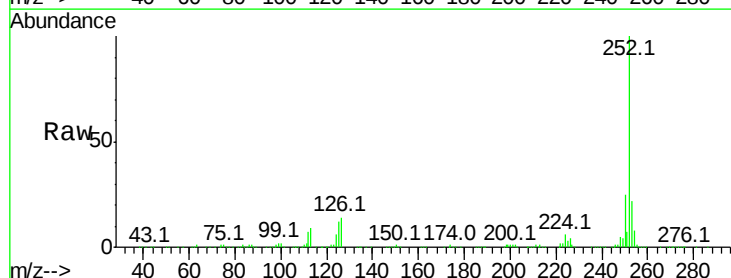
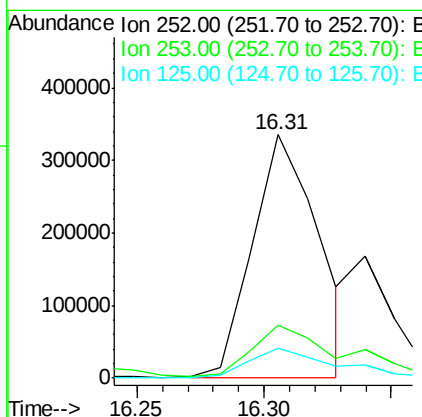
RT: 16.31 min Scan# 1279

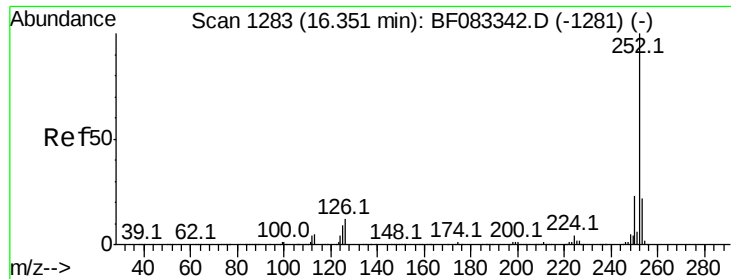
Delta R.T. 0.00 min

Lab File: BF083384.D

Acq: 1 Dec 2015 20:57

Tgt Ion:	252	Resp:	607067
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	12.1	9.6	14.4





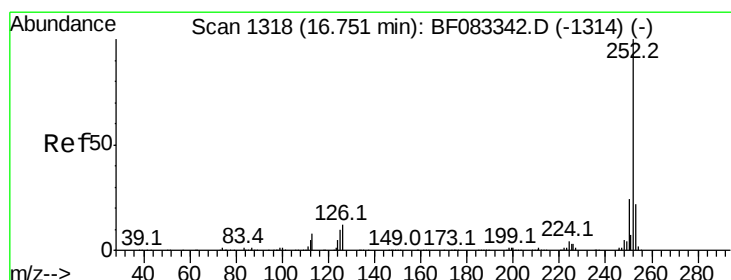
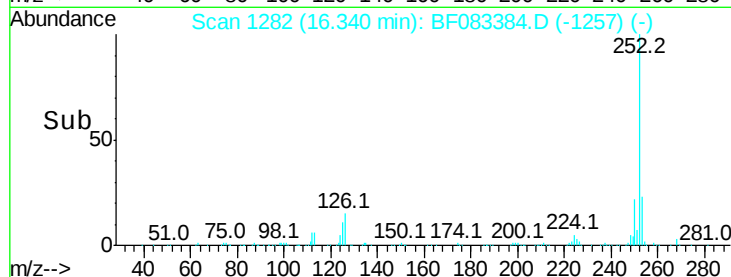
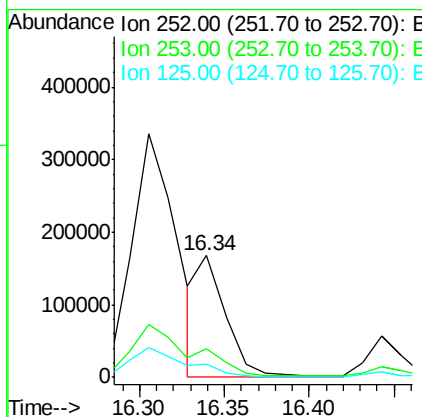
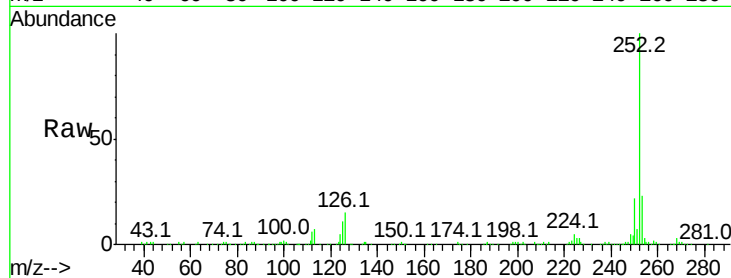
#88
Benzo(k)fluoranthene
Concen: 9.63 ng m
RT: 16.34 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Instrument :
BNA_F
ClientSampleId :
S2-14.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	11.1	7.5	11.3

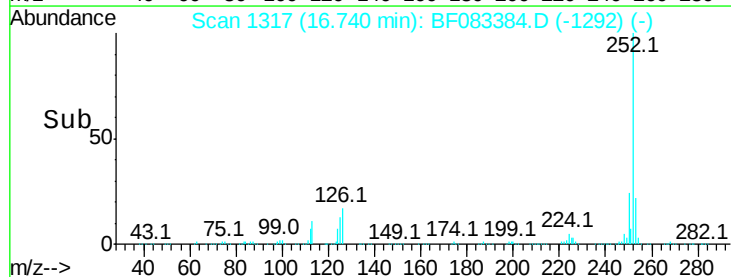
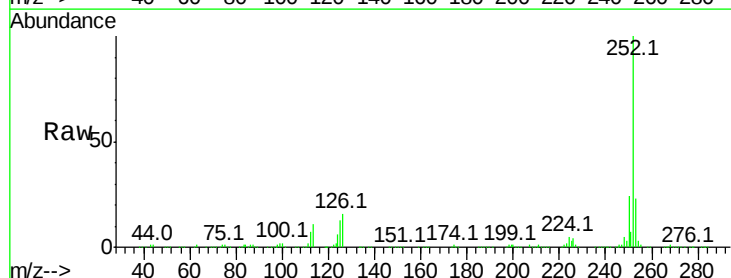
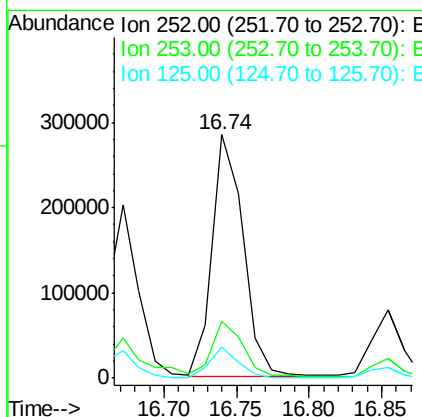
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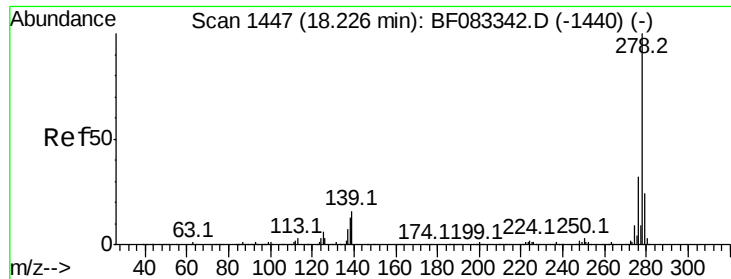
Mmdadoda
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#89
Benzo(a)pyrene
Concen: 23.11 ng
RT: 16.74 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.8	7.8	11.8#





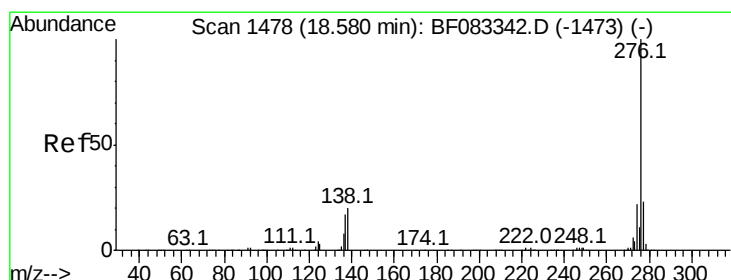
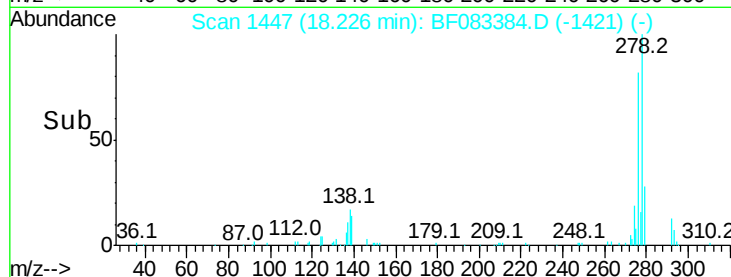
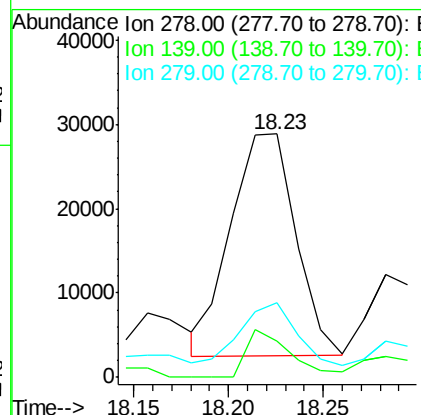
#90
Dibenzo(a,h)anthracene
Concen: 3.89 ng m
RT: 18.23 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Instrument :
BNA_F
ClientSampleId :
S2-14.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.1	19.7
279	30.6	19.2	28.8#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 16.90 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083384.D
Acq: 1 Dec 2015 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	21.0	16.1	24.1

