

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
 Data File : BF083388.D
 Acq On : 1 Dec 2015 22:58
 Operator : UM/IZ
 Sample : G4593-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S24-15.5

Manual Integrations
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Mmdadoda
 12/2/2015 6:13:01 PM

Quant Time: Dec 02 04:10:05 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	155313	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	596706	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	296909	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	538766	20.00	ng	0.00
75) Chrysene-d12	14.74	240	377824	20.00	ng	-0.02
86) Perylene-d12	16.81	264	333104	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1355422	130.95	ng	0.01
7) Phenol-d6	6.22	99	1932494	136.41	ng	0.00
23) Nitrobenzene-d5	7.12	82	1151359	84.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	364638	122.34	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1848446	88.72	ng	0.00
78) Terphenyl-d14	13.22	244	1550797	97.89	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.32	163	474313	19.66	ng	98
70) Phenanthrene	11.15	178	276927	8.69	ng	98
74) Fluoranthene	12.66	202	301279	9.12	ng	92
77) Pyrene	12.97	202	273566	10.37	ng	98
80) Benzo(a)anthracene	14.73	228	101039	4.37	ng	100
82) Chrysene	14.79	228	93493	4.18	ng	98
85) Indeno(1,2,3-cd)pyrene	18.19	276	43895	2.69	ng	# 91
87) Benzo(b)fluoranthene	16.29	252	101490m	4.75	ng	
89) Benzo(a)pyrene	16.74	252	69880	3.81	ng	98
91) Benzo(g,h,i)perylene	18.57	276	45942	2.93	ng	97

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

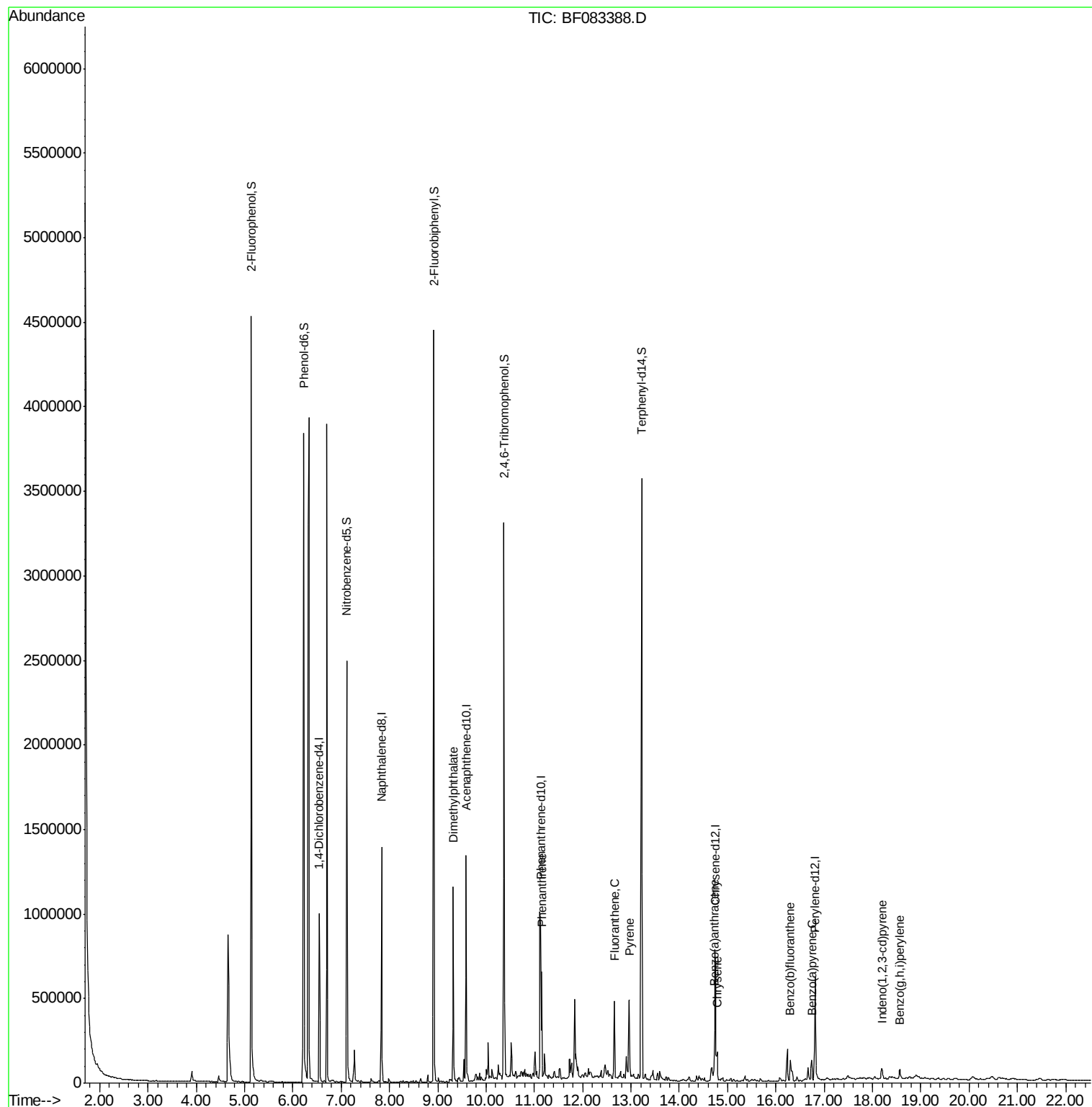
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083388.D
Acq On : 1 Dec 2015 22:58
Operator : UM/IZ
Sample : G4593-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

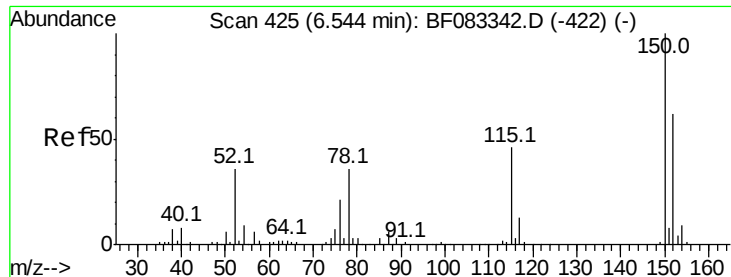
Instrument :
BNA_F
ClientSampleId :
S24-15.5

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Quant Time: Dec 02 04:10:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
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Response via : Initial Calibration





#1

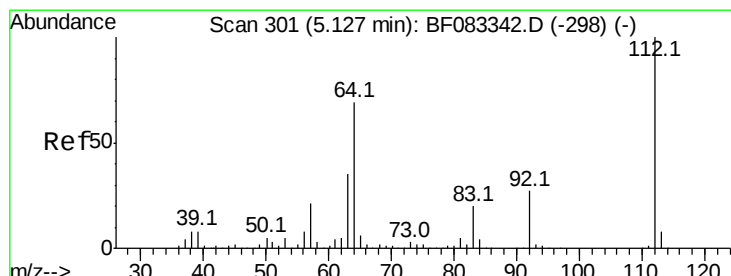
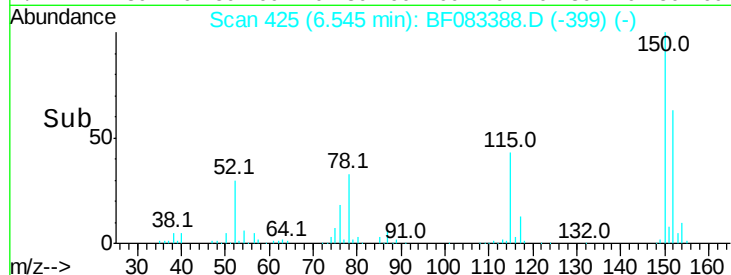
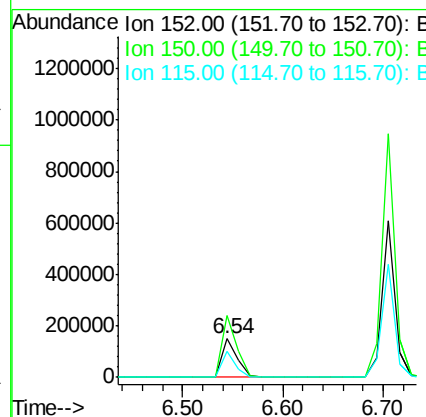
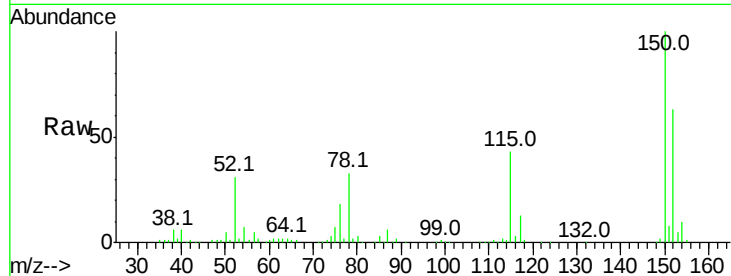
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
S24-15.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	129.8	194.8
115	67.6	59.2	88.8

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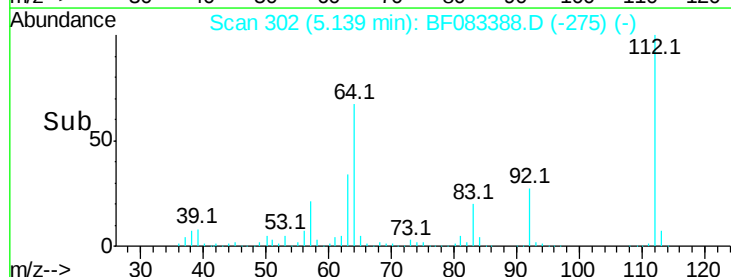
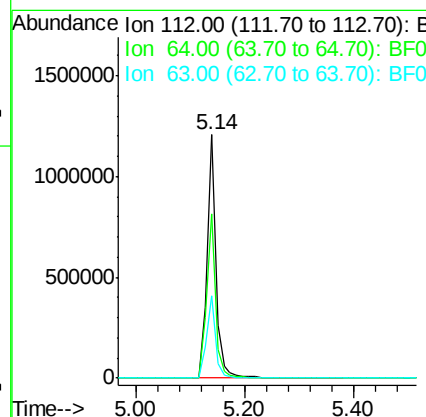
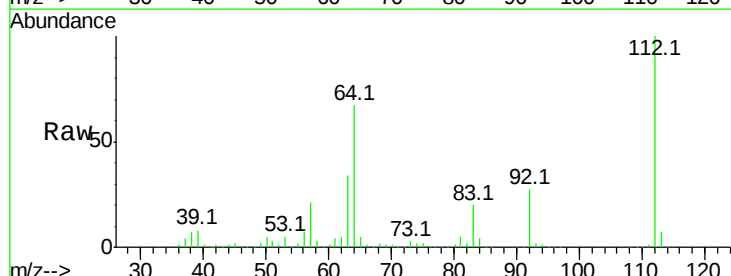
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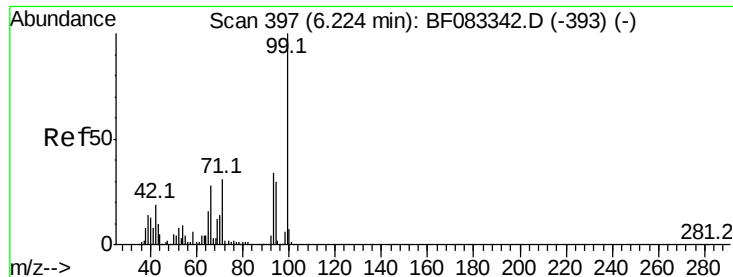


#5

2-Fluorophenol
Concen: 130.95 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	55.6	83.4
63	34.1	28.2	42.2





#7

Phenol-d6

Concen: 136.41 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

Tot Ion: 99 Resp: 1932494

Ion Ratio Lower Upper

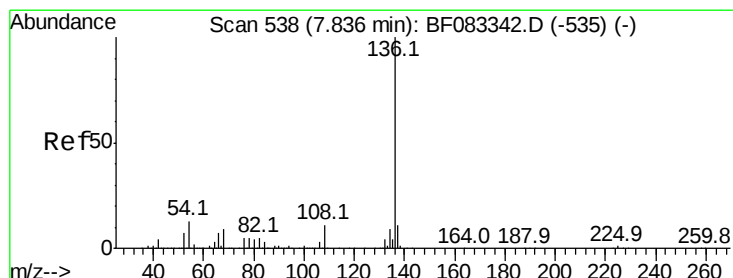
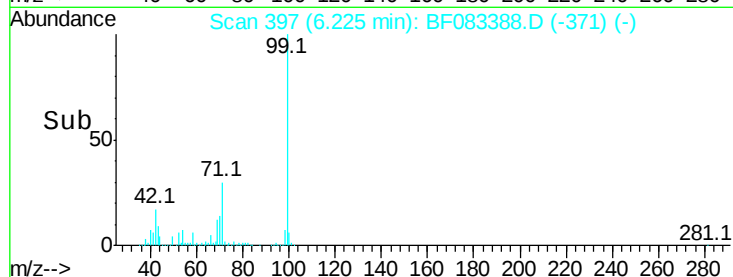
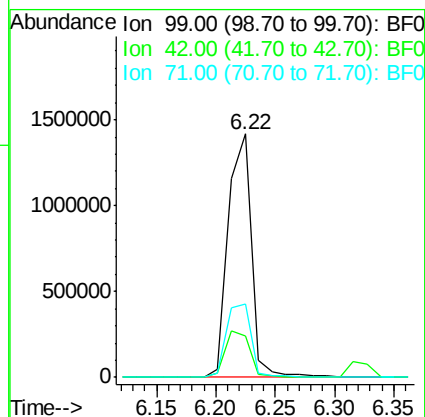
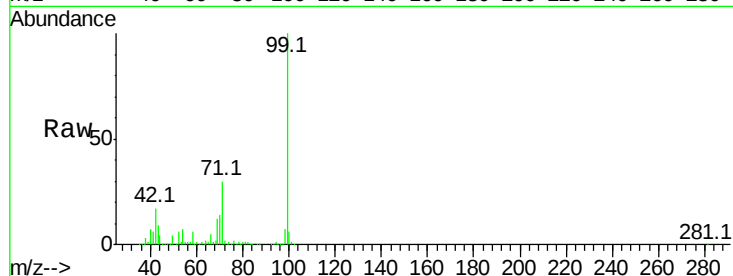
99 100

42 17.0 14.9 22.3

71 30.4 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: BF083388.D

Acq: 1 Dec 2015 22:58

Tgt Ion: 136 Resp: 596706

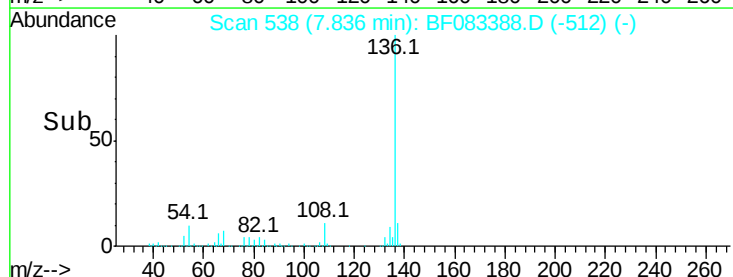
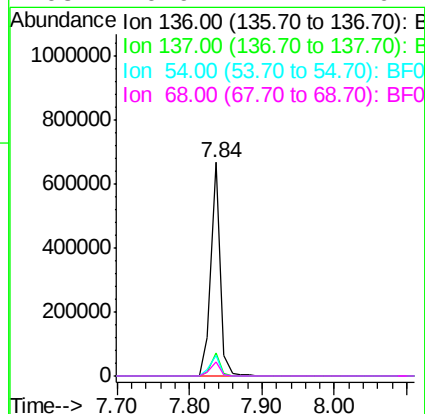
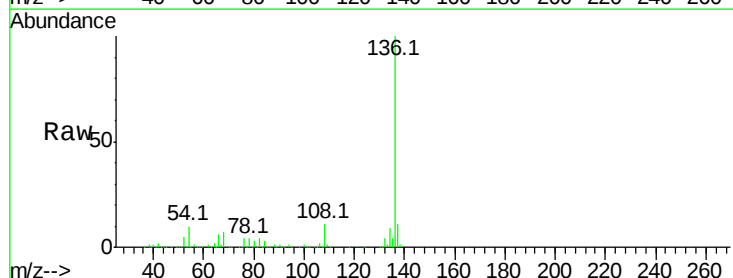
Ion Ratio Lower Upper

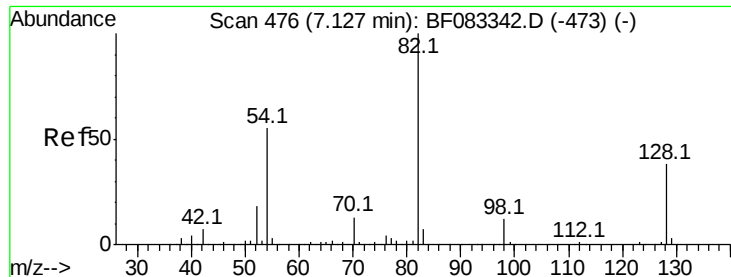
136 100

137 11.1 9.0 13.4

54 9.7 10.1 15.1#

68 6.9 7.1 10.7#





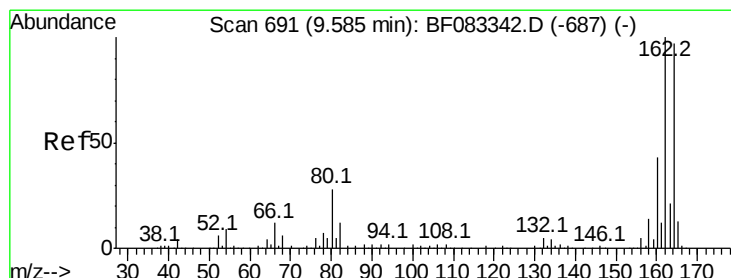
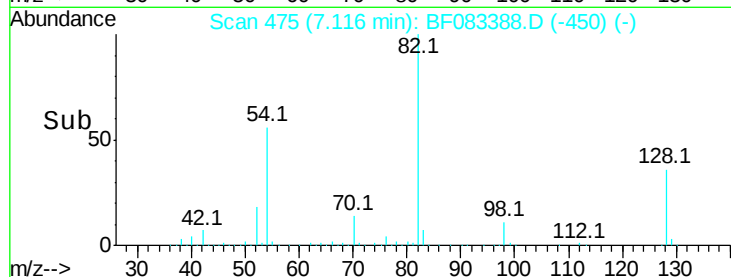
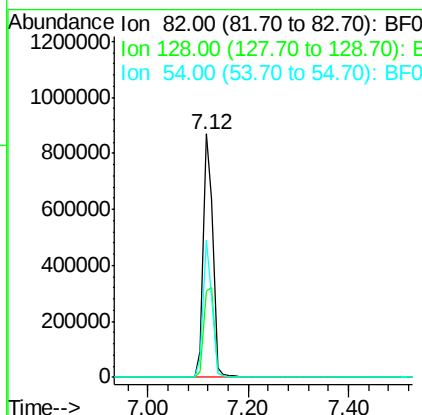
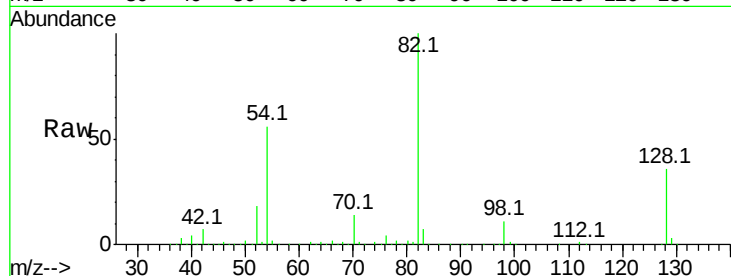
#23
 Nitrobenzene-d5
 Concen: 84.82 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 S24-15.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.6	30.6	46.0
54	56.4	43.8	65.6

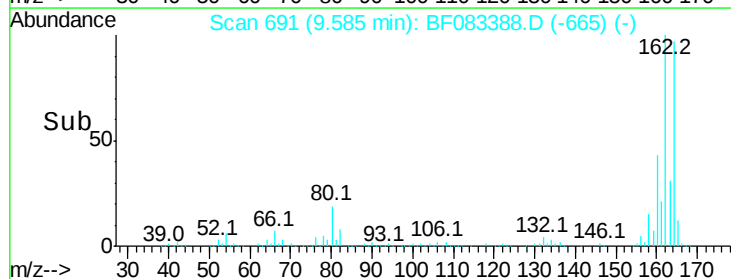
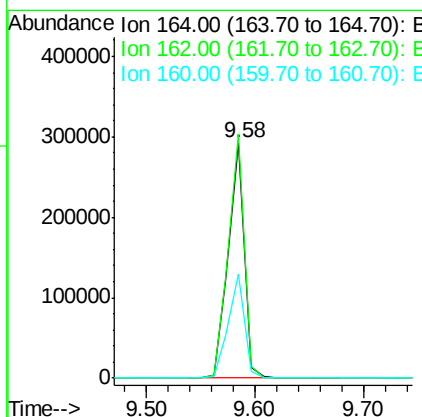
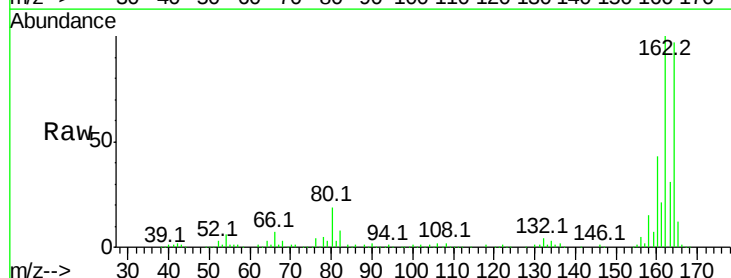
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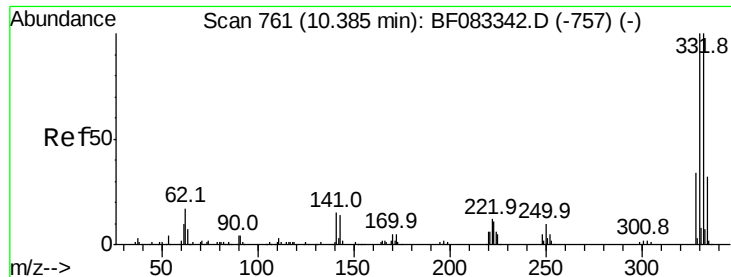
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	44.3	35.3	52.9





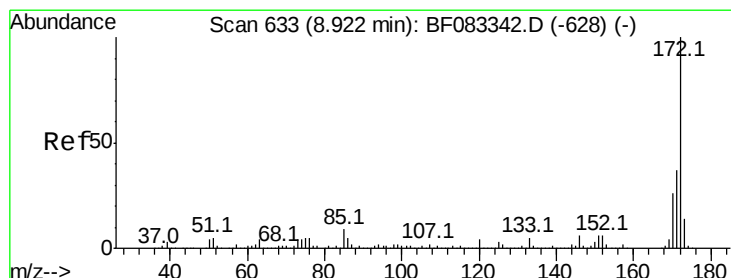
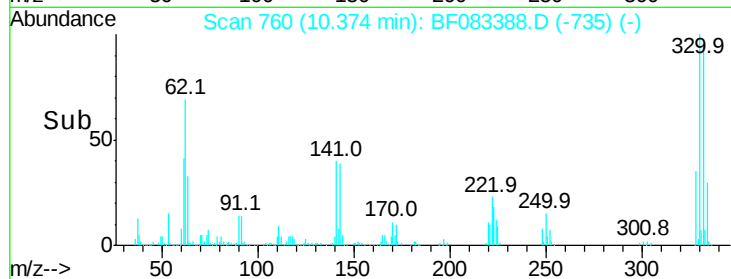
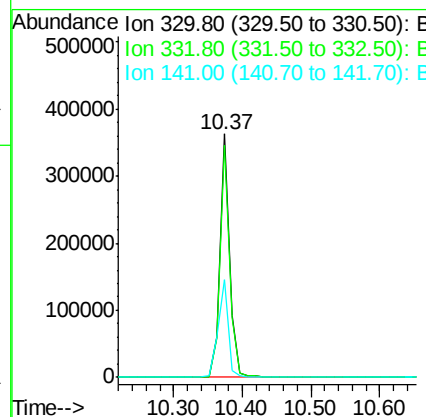
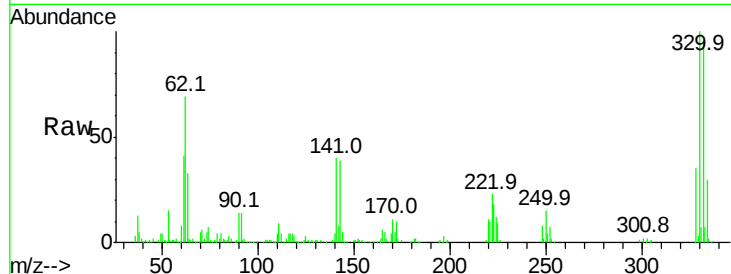
#41
 2,4,6-Tribromophenol
 Concen: 122.34 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

Instrument :
 BNA_F
 ClientSampled :
 S24-15.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	77.8	116.6	
141	42.0	29.4	44.0	

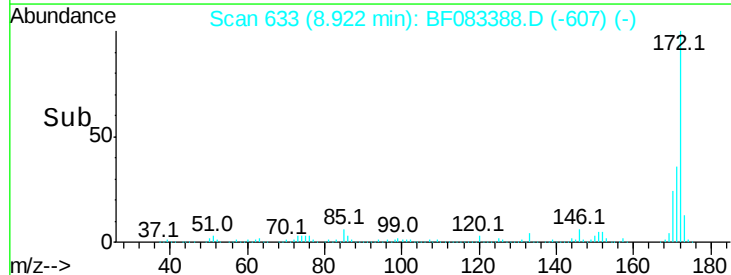
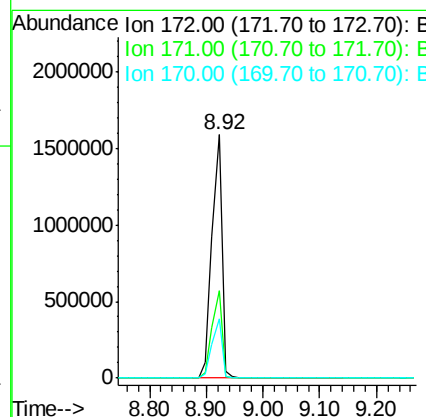
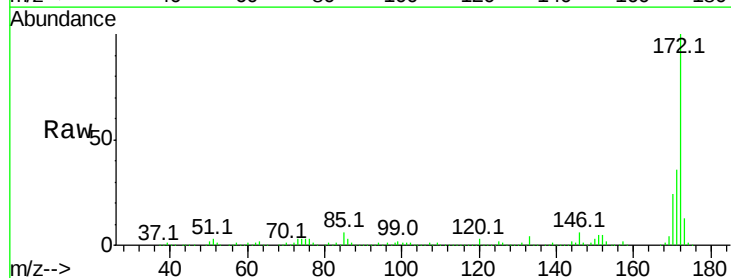
Manual Integrations
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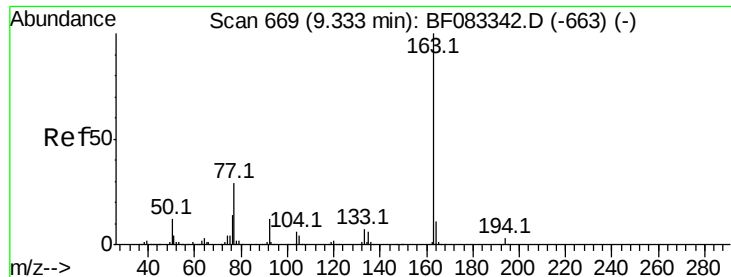
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 12/2/2015 6:13:01 PM



#44
 2-Fluorobiphenyl
 Concen: 88.72 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083388.D
 Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.4	44.0	
170	24.4	20.4	30.6	





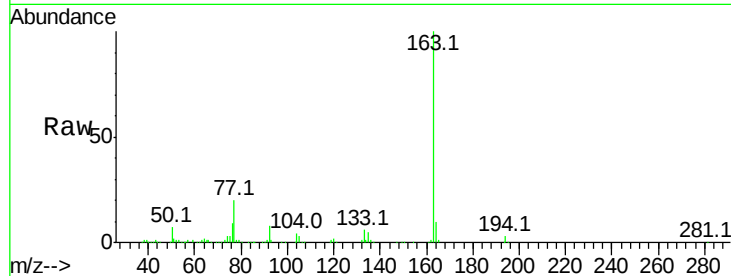
#49
Dimethylphthalate
Concen: 19.66 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
S24-15.5

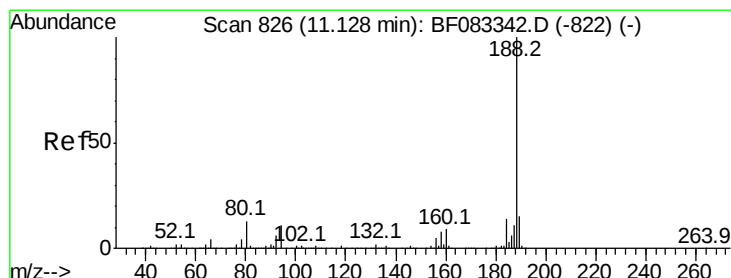
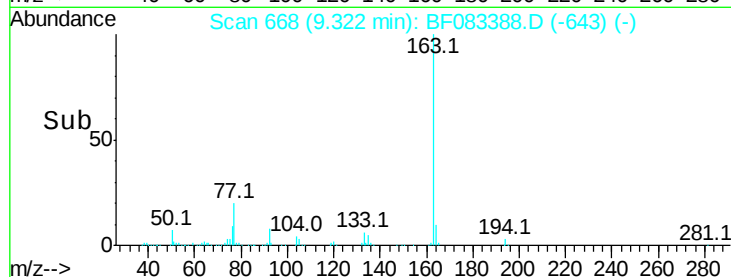
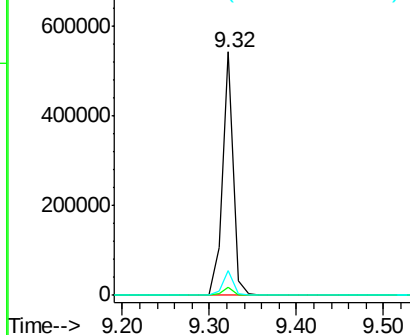
Tot Ion	Ratio	Resp	Lower	Upper
163	100	474313		
194	3.4		2.7	4.1
164	10.0		8.8	13.2

Manual Integrations
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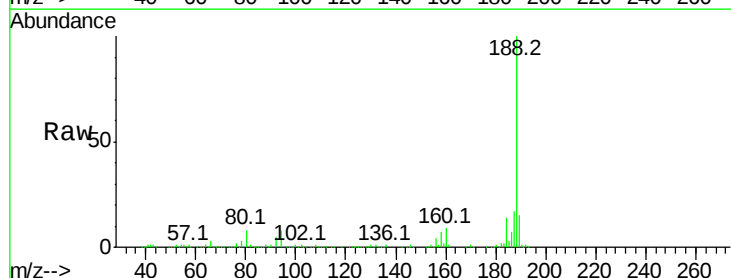


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

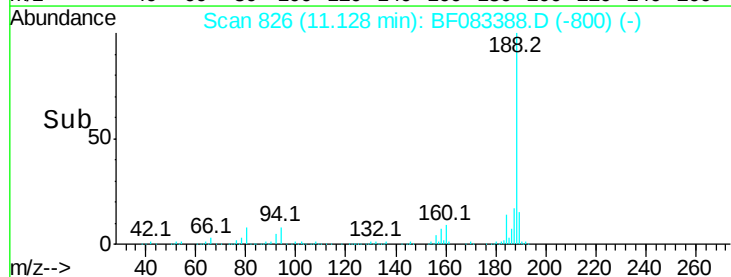
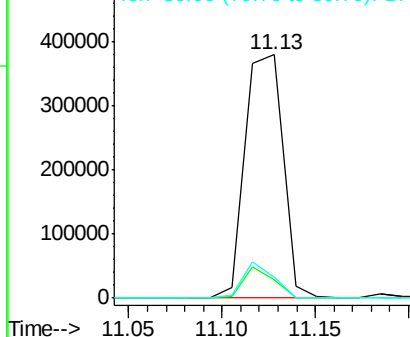


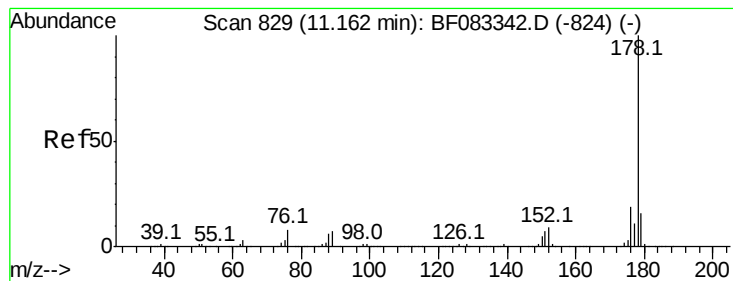
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	538766		
94	7.6		8.7	13.1#
80	8.5		10.3	15.5#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.69 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

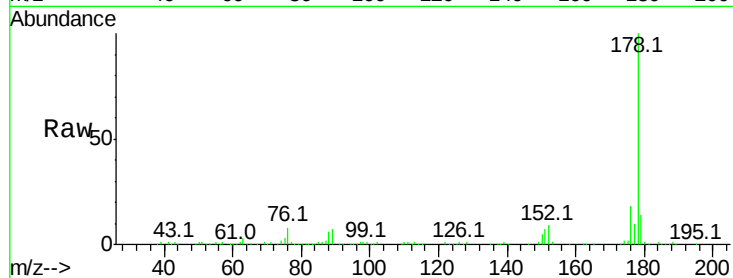
ClientSampleId :

S24-15.5

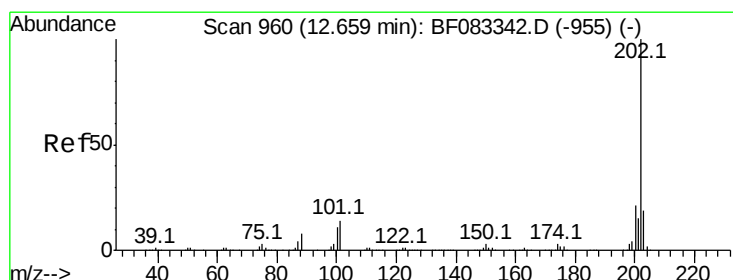
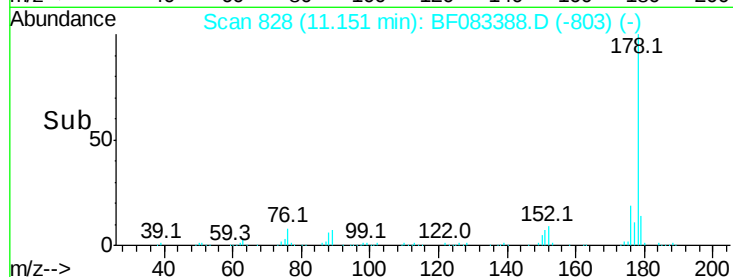
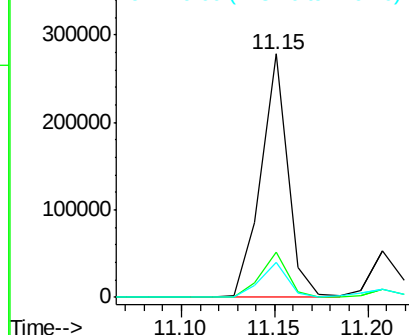
Tot Ion:	178	Resp:	276927
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.3	22.9
179	14.5	12.4	18.6

Manual Integrations
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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



#74

Fluoranthene

Concen: 9.12 ng

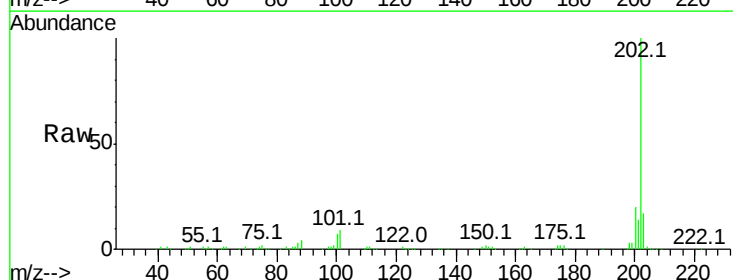
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Delta R.T. 0.00 min

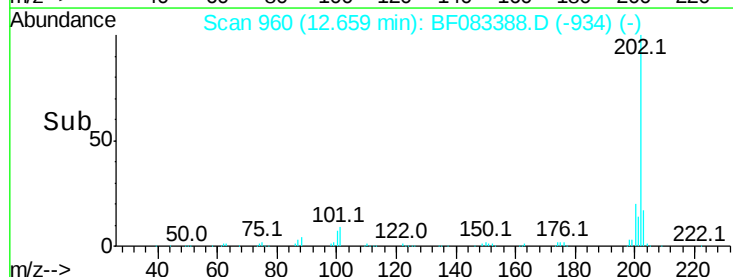
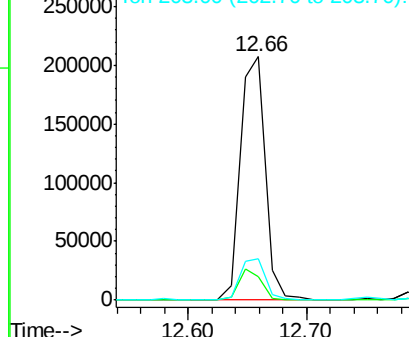
Lab File: BF083388.D

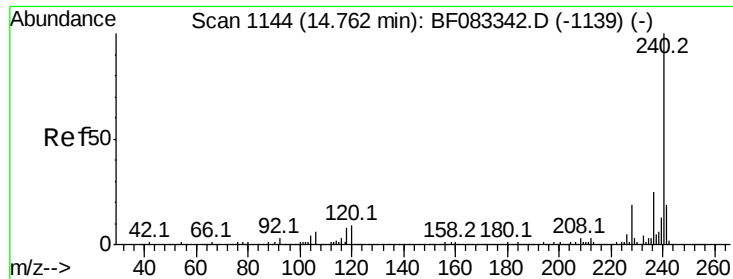
Acq: 1 Dec 2015 22:58

Tgt Ion:	202	Resp:	301279
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.5
203	16.9	0.0	38.7



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





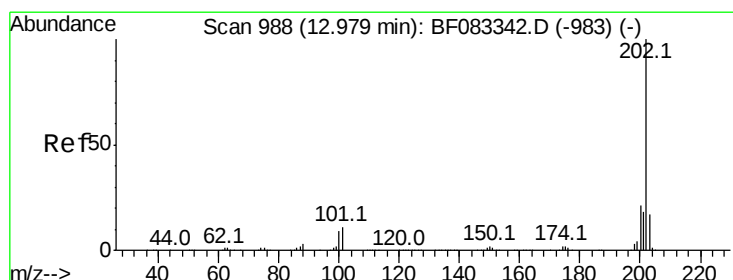
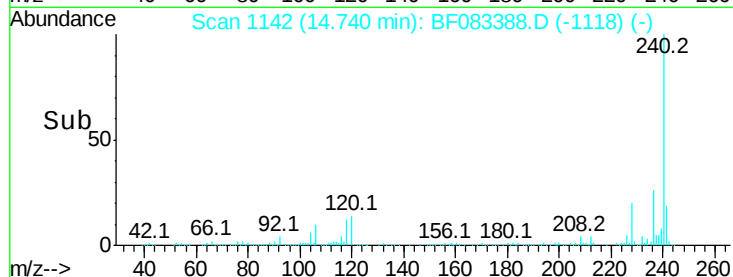
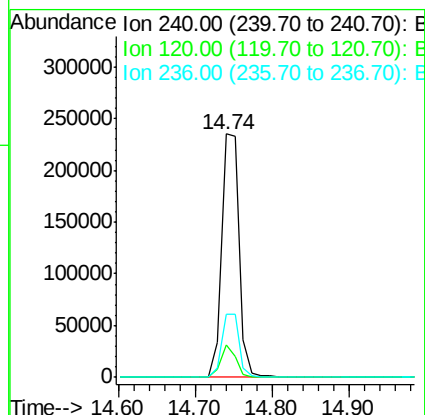
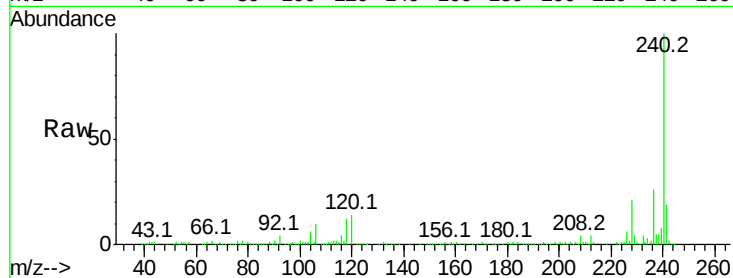
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.74 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
S24-15.5

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	6.9	10.3#
236	25.9	19.8	29.6

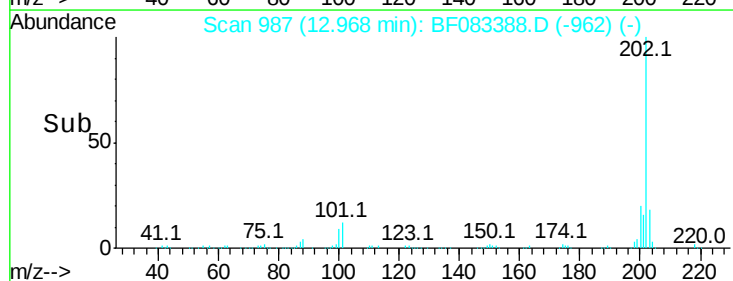
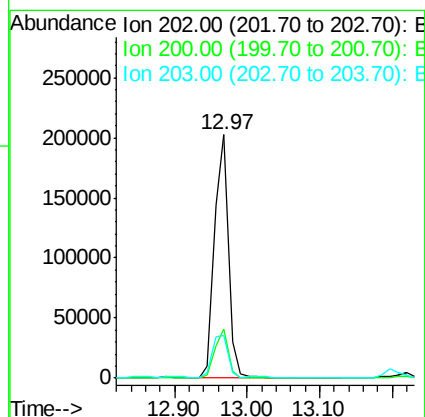
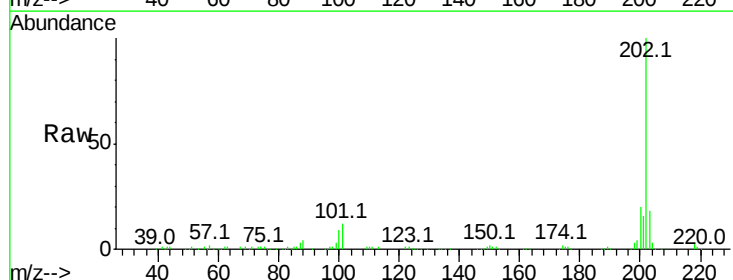
Manual Integrations
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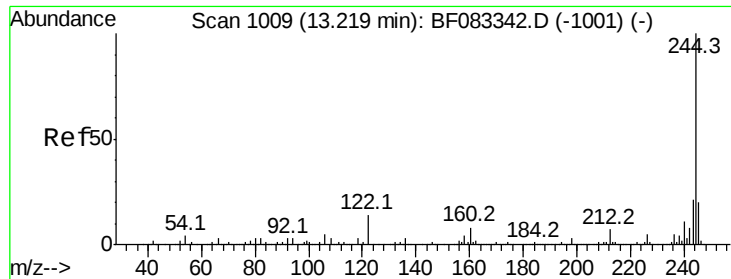
Mmdadoda
12/2/2015 6:13:01 PM



#77
Pyrene
Concen: 10.37 ng
RT: 12.97 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.9	25.3
203	17.7	13.9	20.9





#78

Terphenyl-d14

Concen: 97.89 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

S24-15.5

Tot Ion:244 Resp: 1550797

Ion Ratio Lower Upper

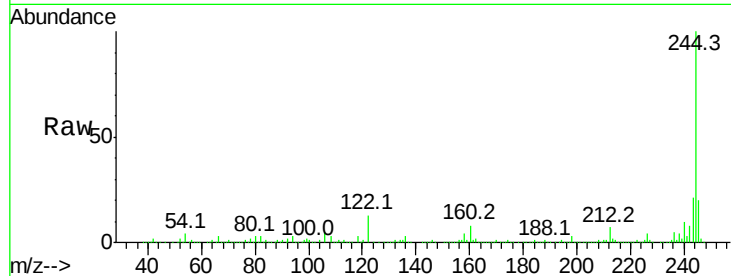
244 100

212 7.5 5.8 8.8

122 13.0 11.0 16.4

Manual Integrations
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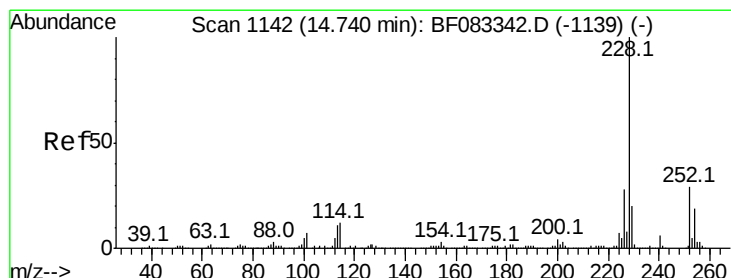
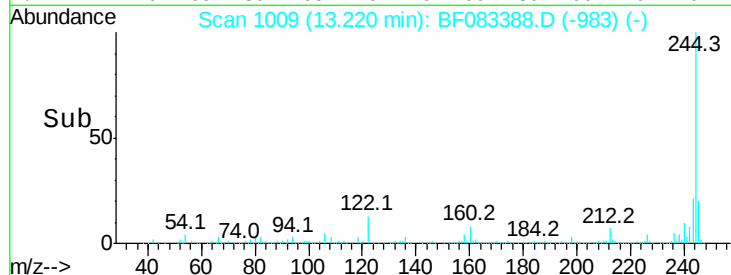
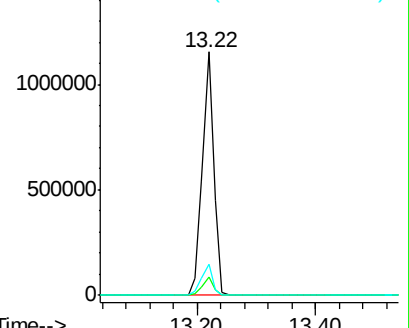
Mmdadoda
12/2/2015 6:13:01 PM



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



#80

Benzo(a)anthracene

Concen: 4.37 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

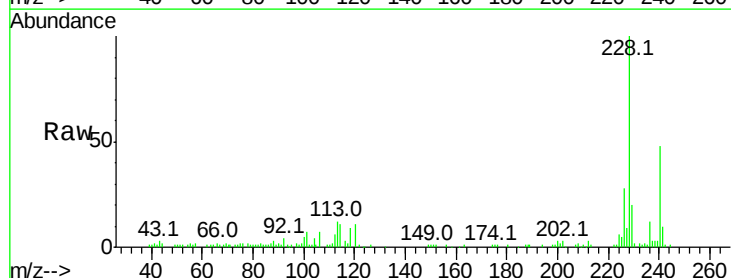
Tgt Ion:228 Resp: 101039

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.4

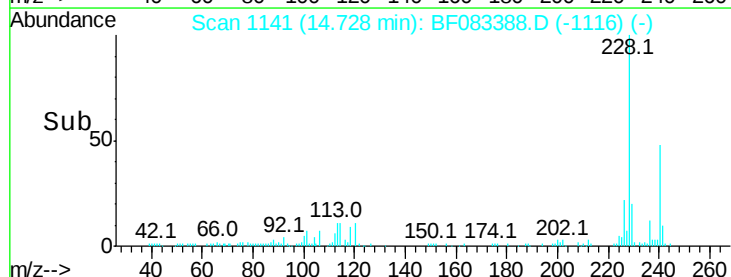
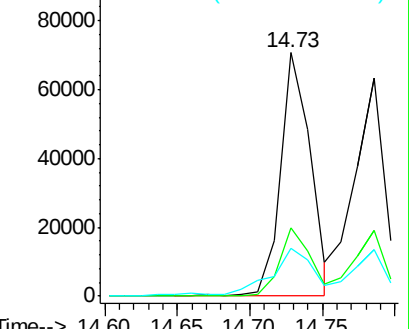
229 19.9 16.1 24.1

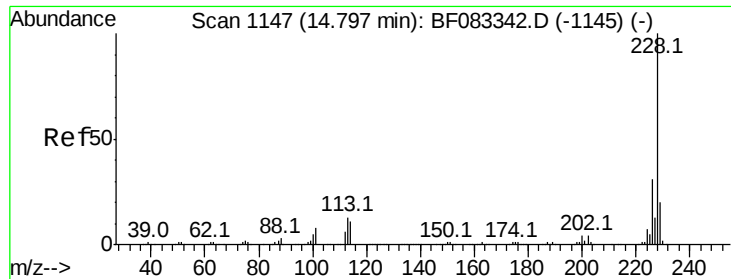


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.18 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

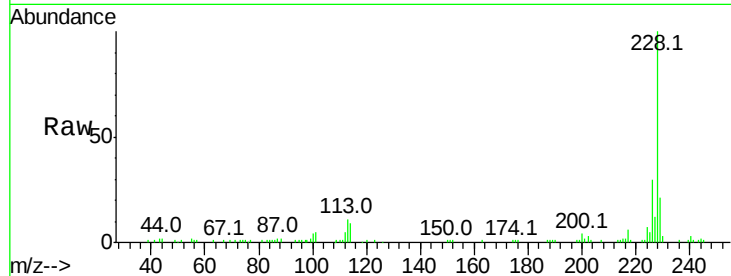
ClientSampleId :

S24-15.5

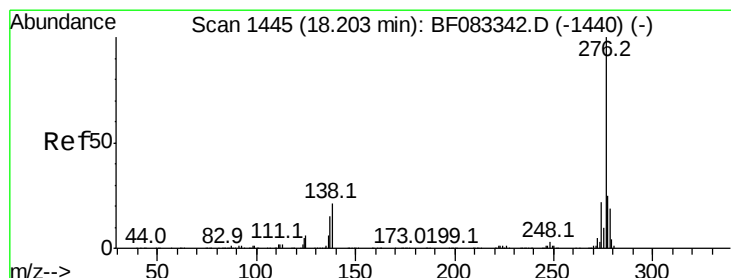
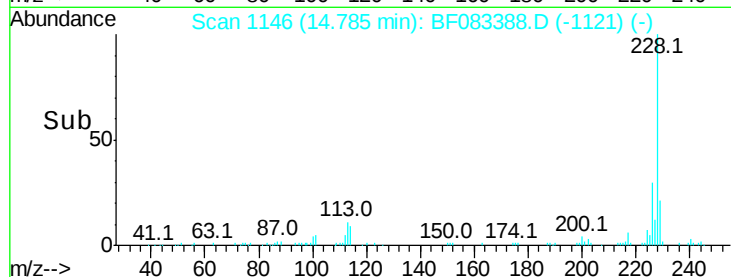
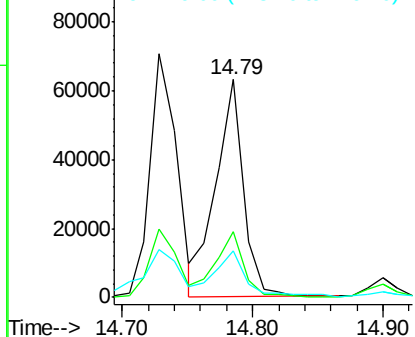
Tot Ion:	228	Resp:	93493
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.6	37.0
229	21.4	16.2	24.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.69 ng

RT: 18.19 min Scan# 1444

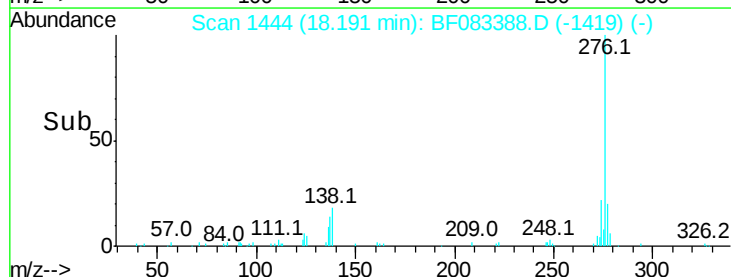
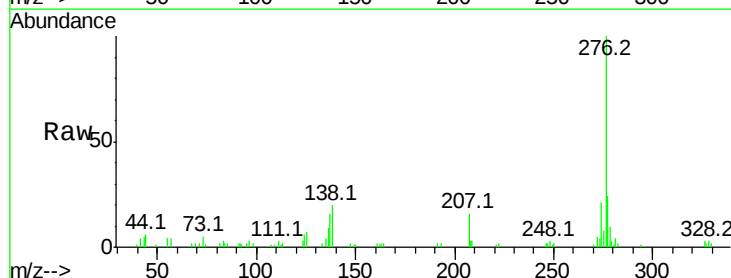
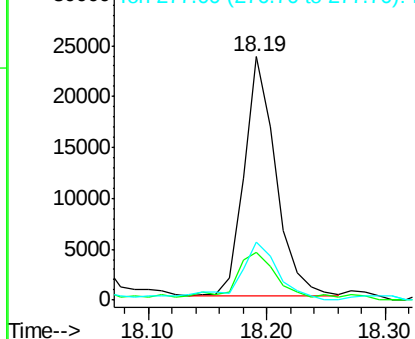
Delta R.T. -0.01 min

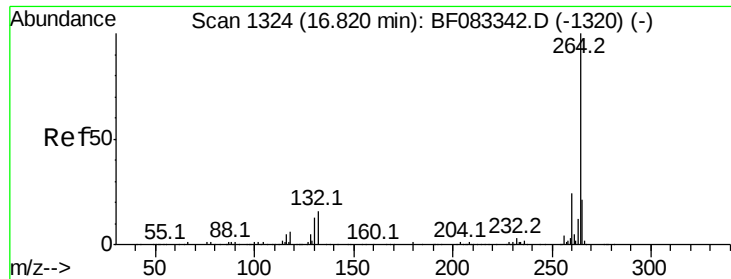
Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Tgt Ion:	276	Resp:	43895
Ion Ratio	Lower	Upper	
276	100		
138	29.1	21.2	31.8
277	31.7	20.0	30.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.81 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Instrument :

BNA_F

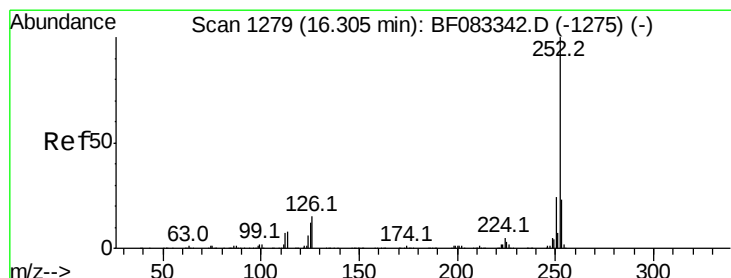
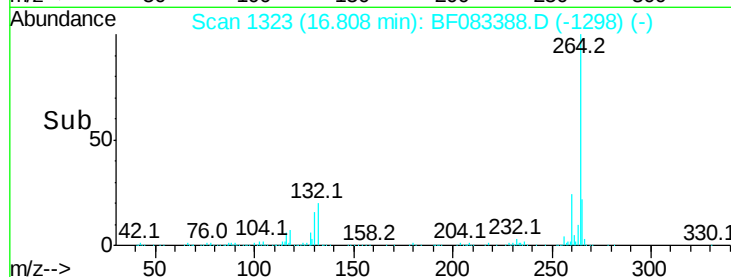
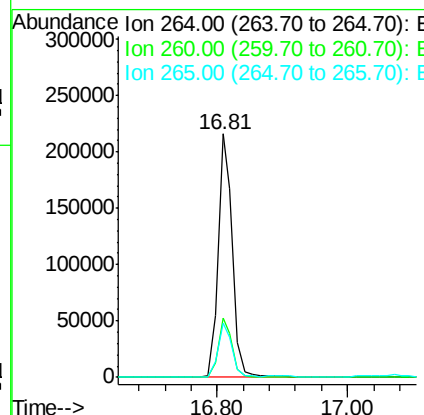
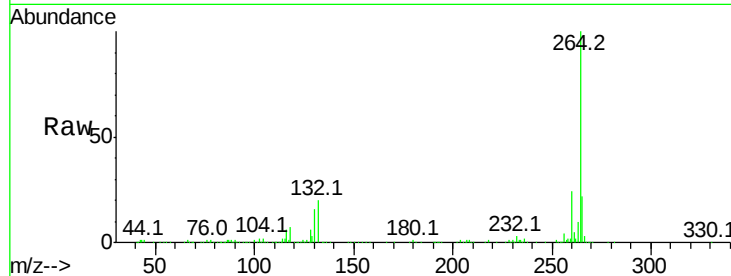
ClientSampleId :

S24-15.5

Tot Ion:	264	Resp:	333104
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.0	28.4
265	22.2	16.8	25.2

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 4.75 ng m

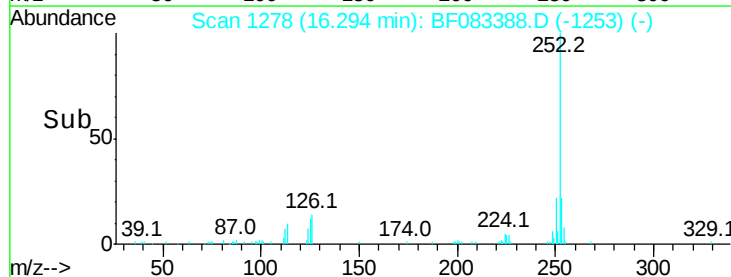
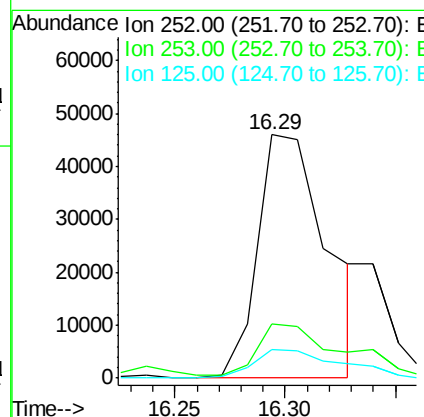
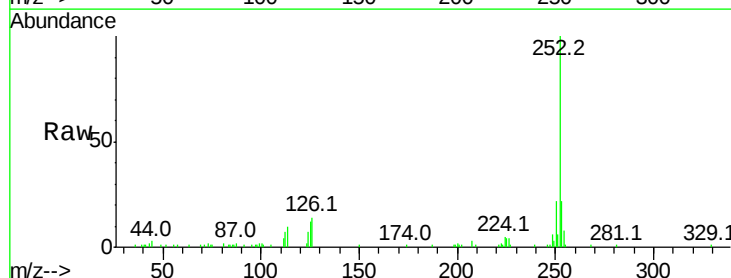
RT: 16.29 min Scan# 1278

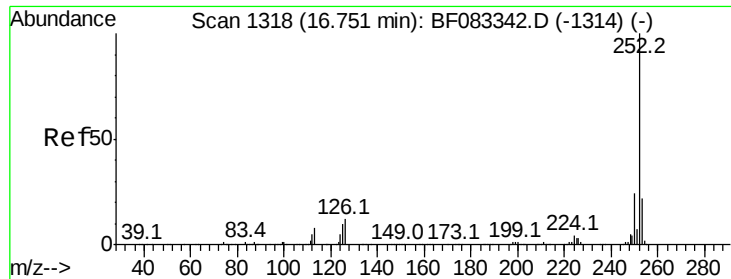
Delta R.T. -0.01 min

Lab File: BF083388.D

Acq: 1 Dec 2015 22:58

Tgt Ion:	252	Resp:	101490
Ion Ratio		Lower	Upper
252	100		
253	22.0	18.4	27.6
125	11.9	9.6	14.4





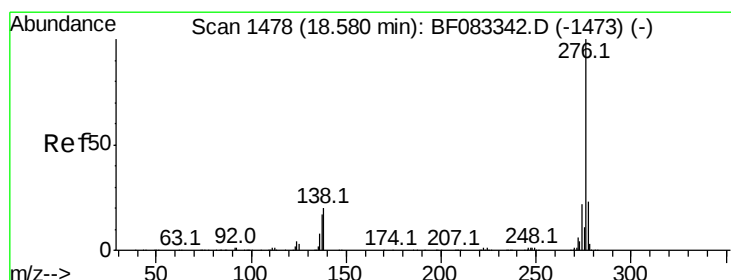
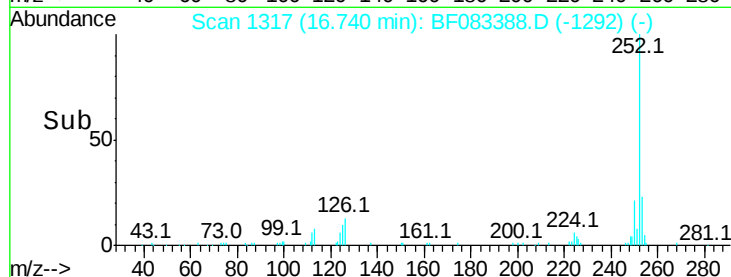
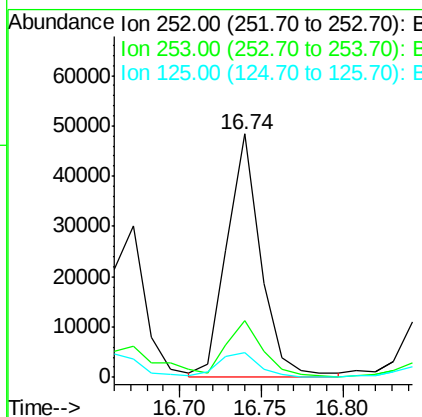
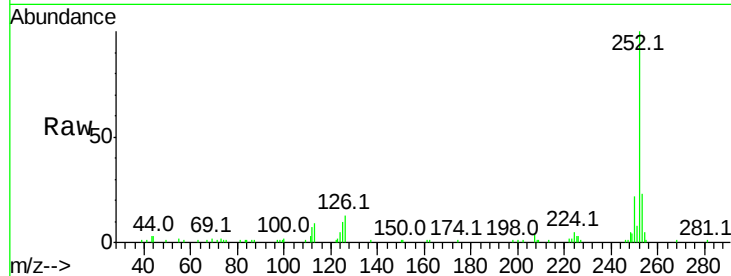
#89
Benzo(a)pyrene
Concen: 3.81 ng
RT: 16.74 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
S24-15.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.2	7.8	11.8

Manual Integrations
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12/2/2015 6:13:01 PM



#91
Benzo(g,h,i)perylene
Concen: 2.93 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083388.D
Acq: 1 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	17.5	16.1	24.1

