

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083030.D
 Acq On : 19 Nov 2015 1:50
 Operator : UM/IZ
 Sample : G4426-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Manual Integrations
 APPROVED

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 11/19/2015 6:44:59 PM

Quant Time: Nov 19 13:01:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109783	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	343584	20.00	ng	0.06
38) Acenaphthene-d10	9.87	164	154838	20.00	ng	0.09
63) Phenanthrene-d10	11.33	188	170504	20.00	ng	0.08
75) Chrysene-d12	13.89	240	264597	20.00	ng	0.00
86) Perylene-d12	15.28	264	214207	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	790673	112.06	ng	0.00
7) Phenol-d6	6.40	99	1294435	138.00	ng	0.00
23) Nitrobenzene-d5	7.31	82	973501	123.29	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	81902	46.13	ng	0.09
44) 2-Fluorobiphenyl	9.17	172	850726	78.75	ng	0.07
78) Terphenyl-d14	12.88	244	797067	71.45	ng	0.03
Target Compounds						
31) Naphthalene	8.11	128	6966215	367.48	ng	# 89
37) 2-Methylnaphthalene	8.85	142	12066565	983.98	ng	98
57) Fluorene	10.42	166	1331951	118.50	ng	# 85
70) Phenanthrene	11.37	178	4048690m	408.89	ng	

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

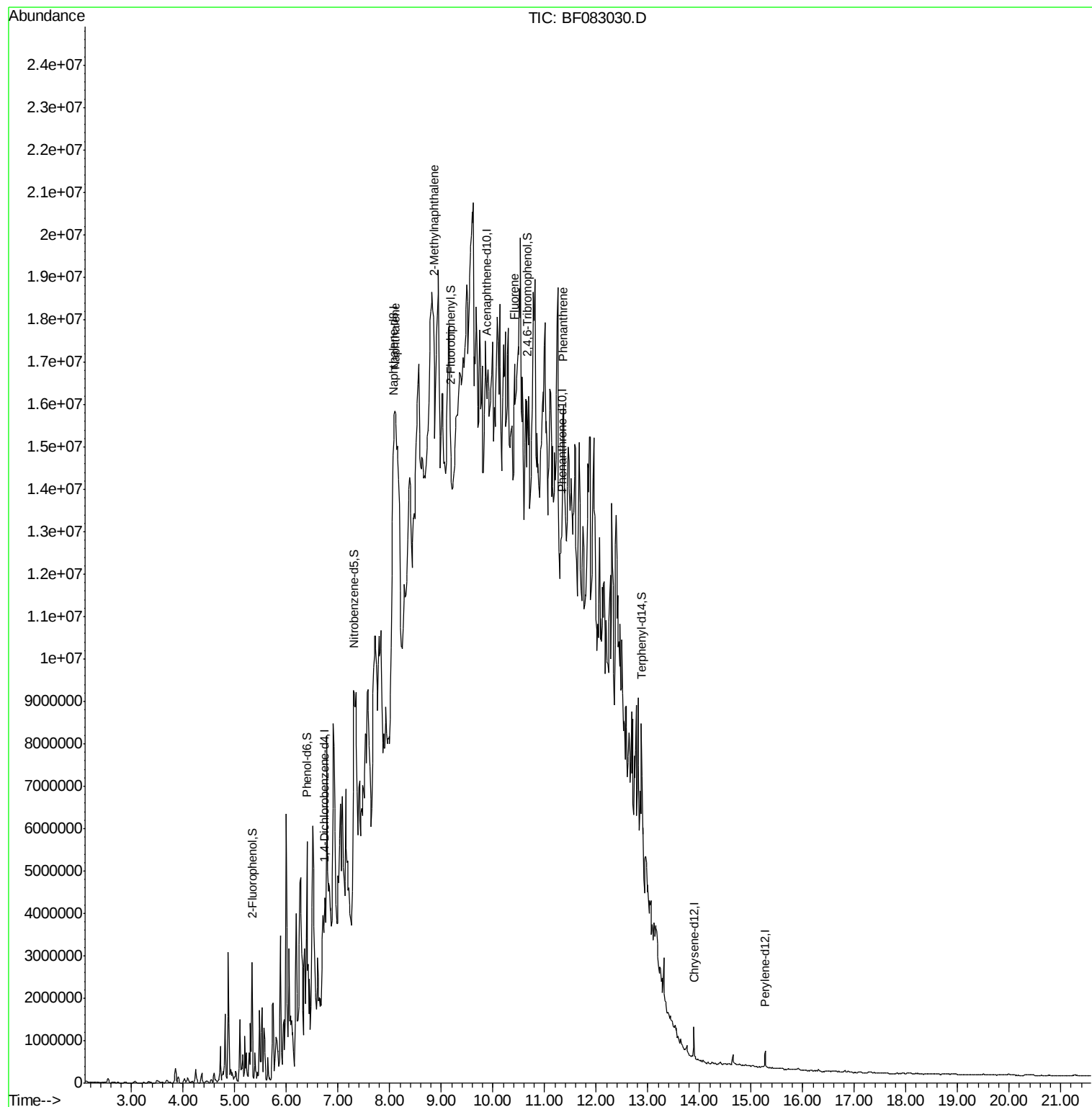
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083030.D
Acq On : 19 Nov 2015 1:50
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ALS Vial : 24 Sample Multiplier: 1

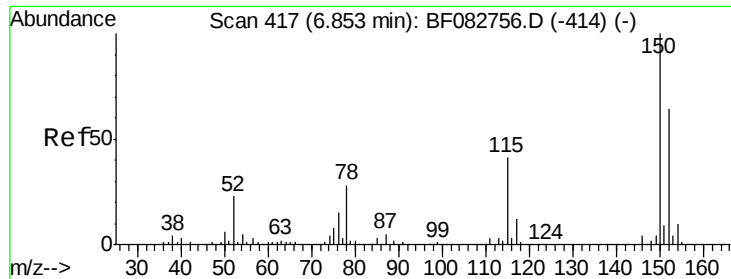
Instrument :
BNA_F
ClientSampleId :
SB-5

Quant Time: Nov 19 13:01:06 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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Response via : Initial Calibration

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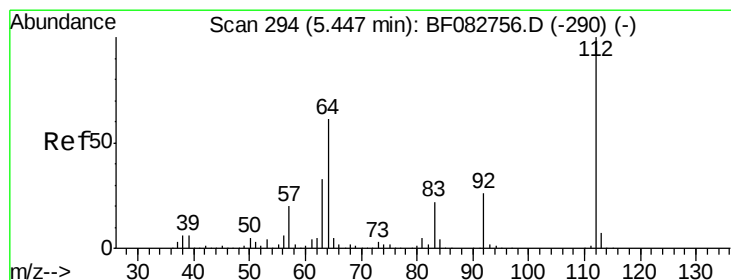
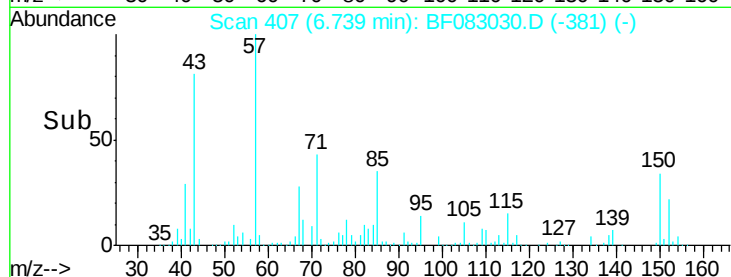
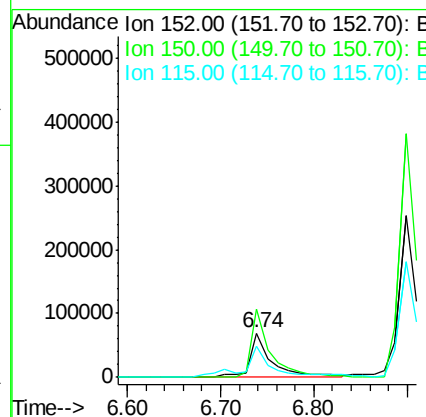
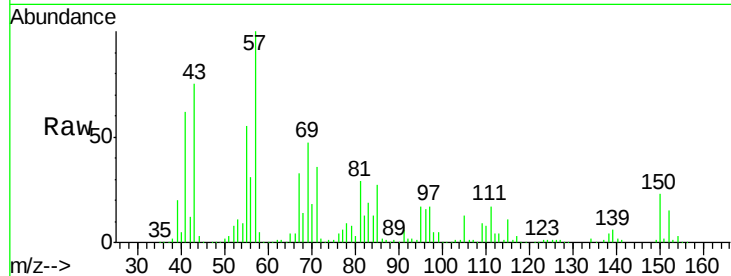
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BF083030.D
 Acq: 19 Nov 2015 1:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.0	190.4
115	69.9	47.0	70.6

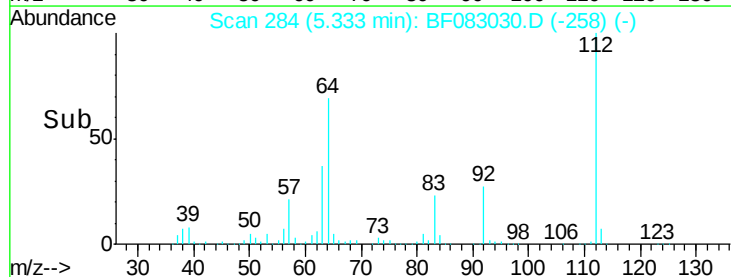
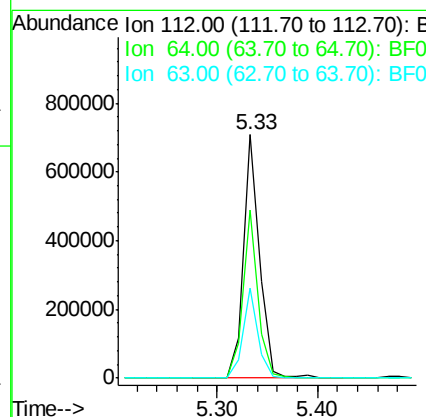
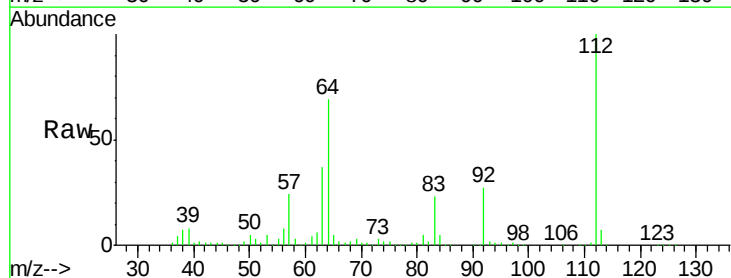
Manual Integrations
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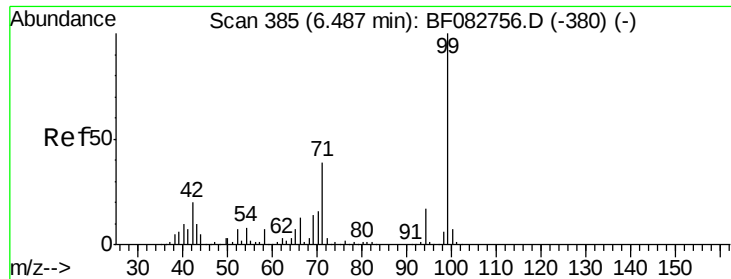
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#5
 2-Fluorophenol
 Concen: 112.06 ng
 RT: 5.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: BF083030.D
 Acq: 19 Nov 2015 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	48.9	73.3
63	36.7	28.1	42.1





#7

Phenol-d6

Concen: 138.00 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF083030.D

Acq: 19 Nov 2015 1:50

Instrument :

BNA_F

ClientSampleId :

SB-5

Tgt Ion: 99 Resp: 1294435

Ion Ratio Lower Upper

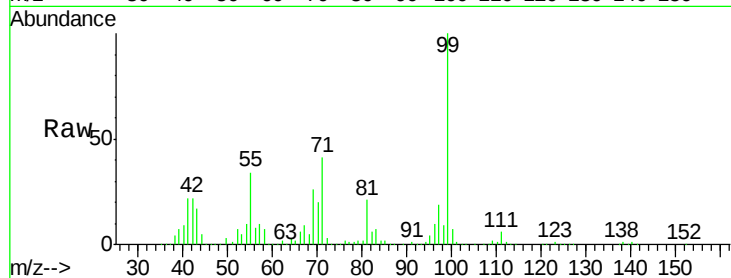
99 100

42 22.0 19.2 28.8

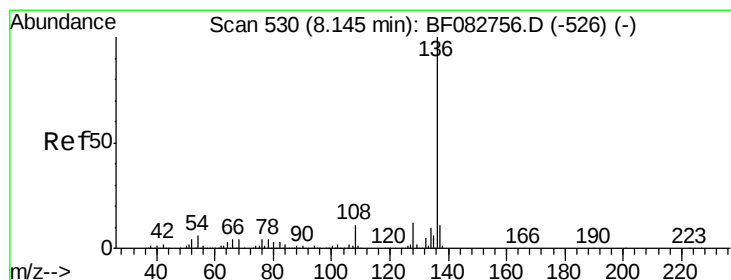
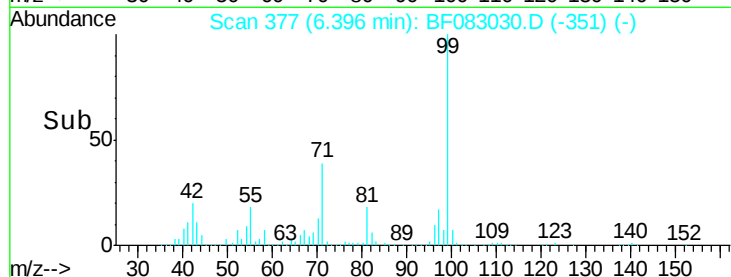
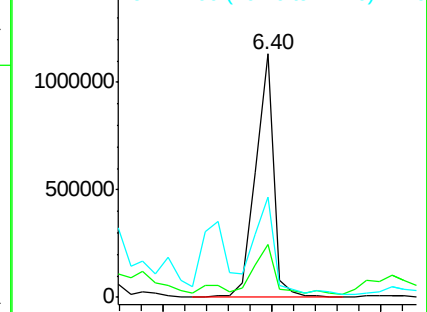
71 41.0 35.0 52.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.06 min

Lab File: BF083030.D

Acq: 19 Nov 2015 1:50

Tgt Ion: 136 Resp: 343584

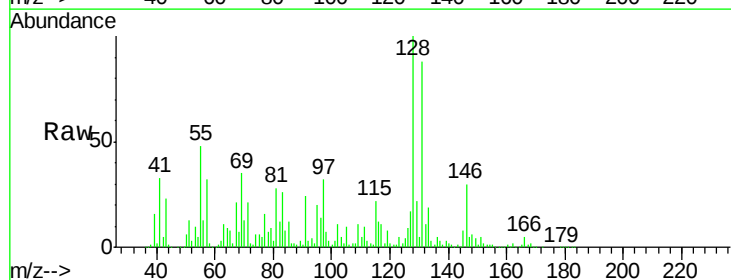
Ion Ratio Lower Upper

136 100

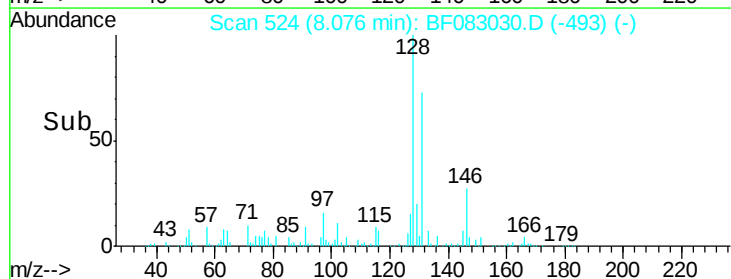
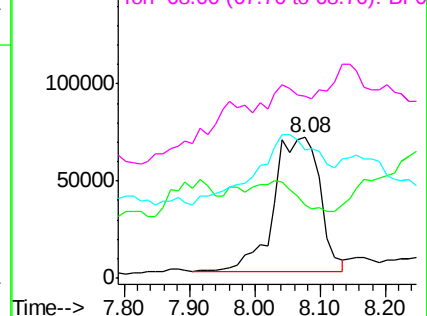
137 52.1 9.1 13.7#

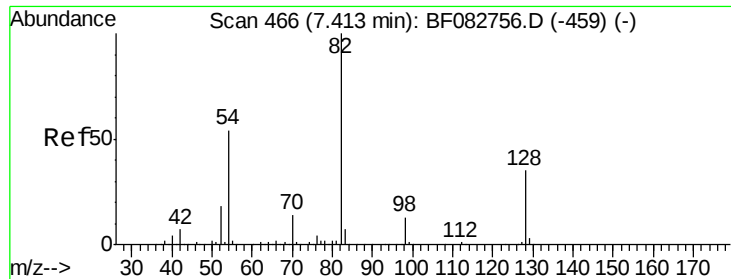
54 91.3 9.1 13.7#

68 129.5 4.8 7.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





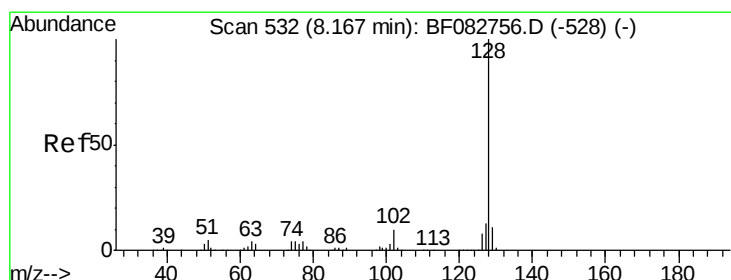
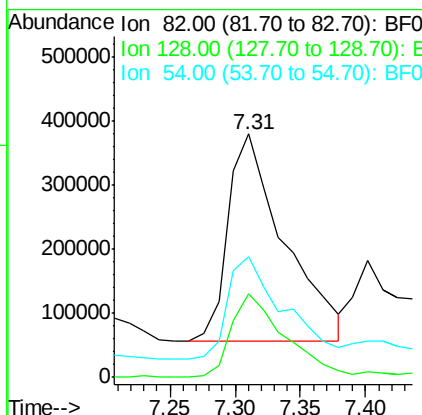
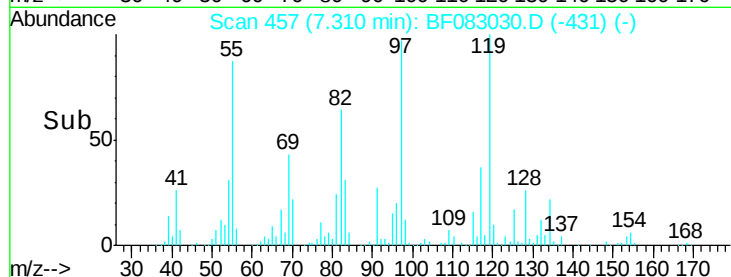
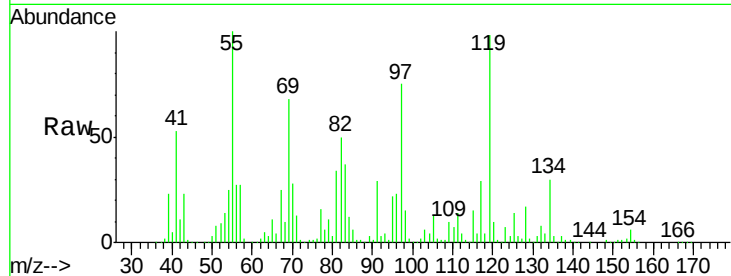
#23
Nitrobenzene-d5
Concen: 123.29 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF083030.D
Acq: 19 Nov 2015 1:50

Instrument :
BNA_F
ClientSampleId :
SB-5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.3	26.8	40.2
54	49.7	45.7	68.5

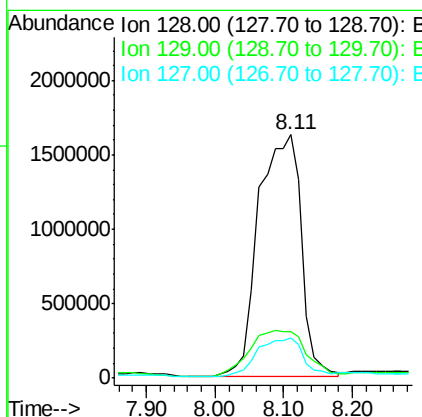
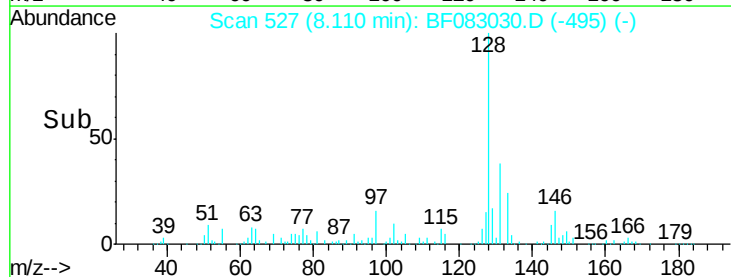
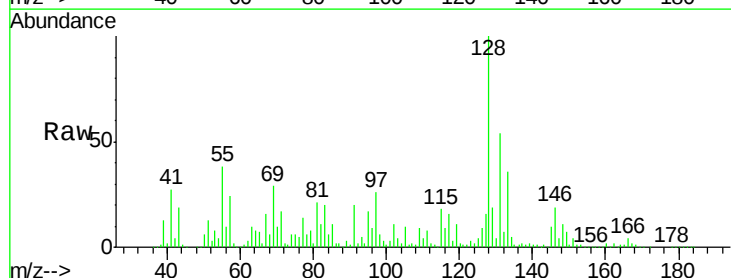
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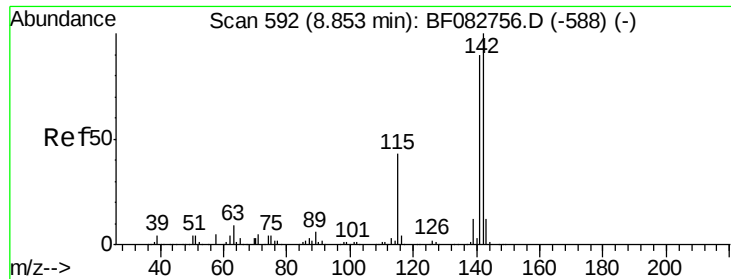
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#31
Naphthalene
Concen: 367.48 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.07 min
Lab File: BF083030.D
Acq: 19 Nov 2015 1:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	19.2	9.5	14.3#
127	16.2	11.4	17.0





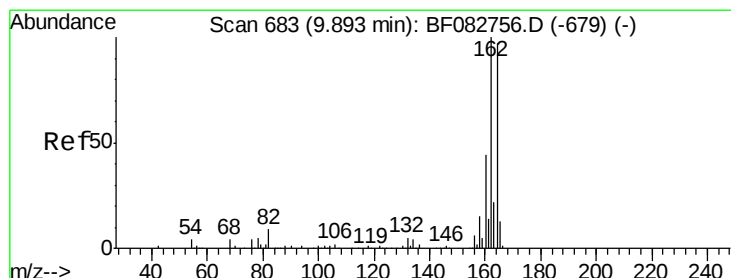
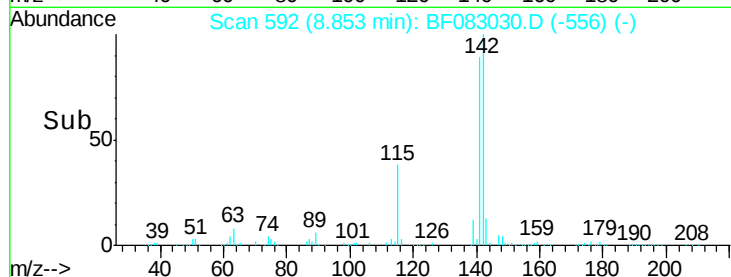
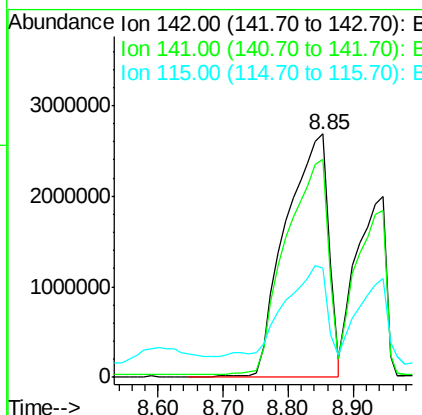
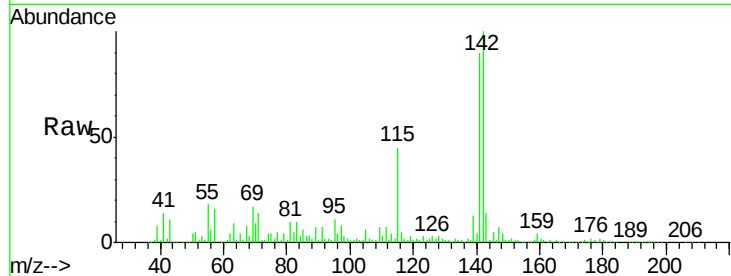
#37
2-Methylnaphthalene
Concen: 983.98 ng
RT: 8.85 min Scan# 592
Delta R.T. 0.11 min
Lab File: BF083030.D
Acq: 19 Nov 2015 1:50

Instrument :
BNA_F
ClientSampleId :
SB-5

Tgt Ion:142 Resp:12066565
Ion Ratio Lower Upper
142 100
141 89.8 72.3 108.5
115 45.1 38.1 57.1

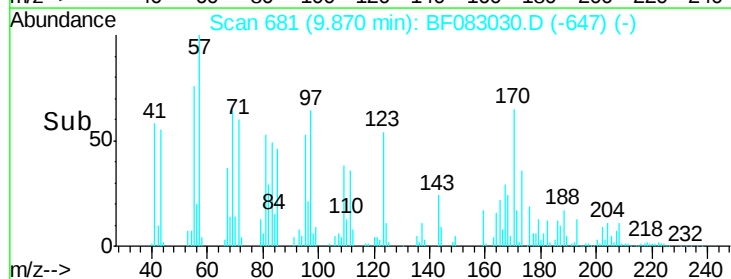
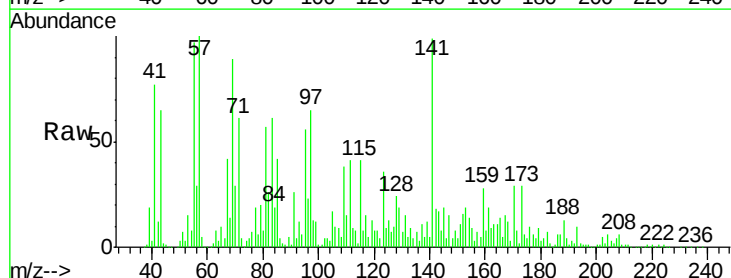
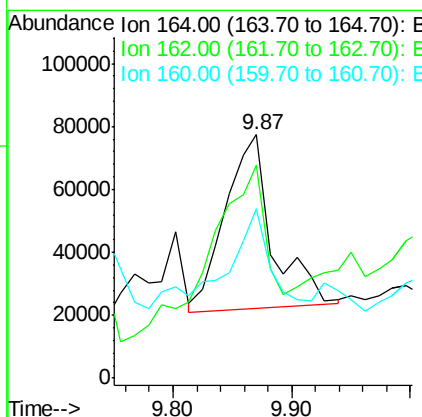
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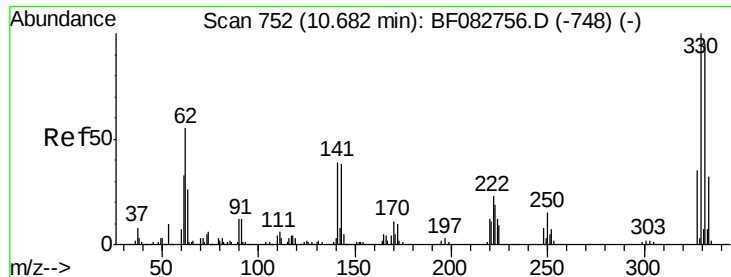
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.09 min
Lab File: BF083030.D
Acq: 19 Nov 2015 1:50

Tgt Ion:164 Resp: 154838
Ion Ratio Lower Upper
164 100
162 87.4 84.9 127.3
160 69.6 37.5 56.3#





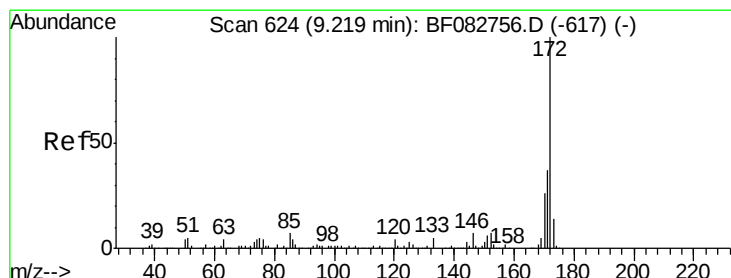
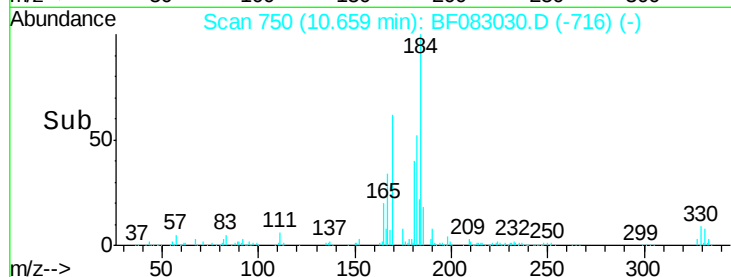
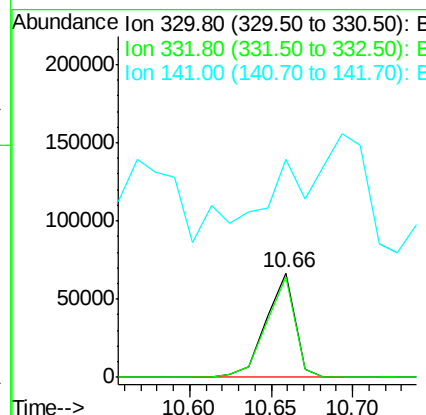
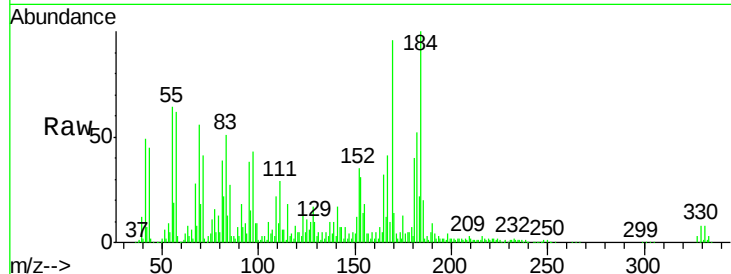
#41
 2,4,6-Tribromophenol
 Concen: 46.13 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.09 min
 Lab File: BF083030.D
 Acq: 19 Nov 2015 1:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	81902		
332	95.9	76.6	114.8	
141	0.0	41.2	61.8#	

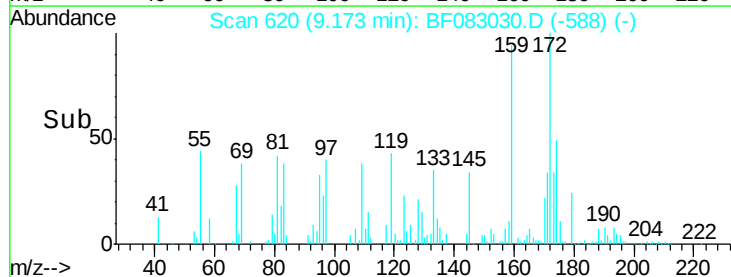
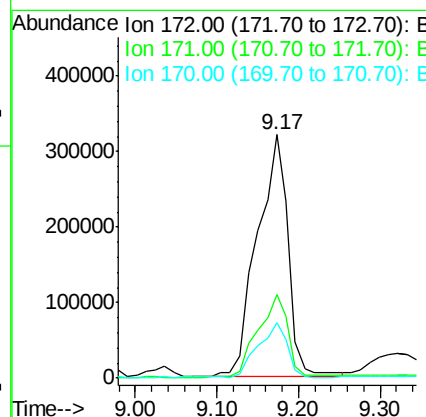
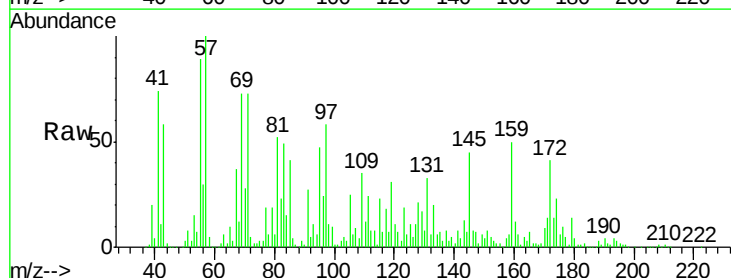
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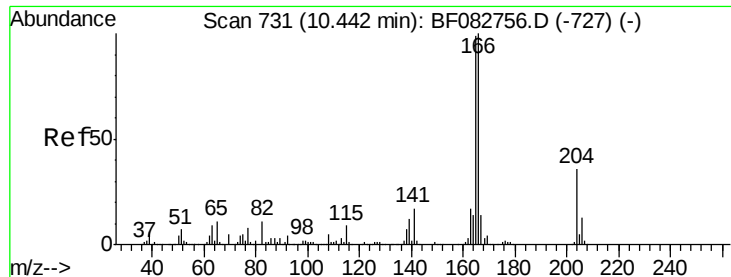
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#44
 2-Fluorobiphenyl
 Concen: 78.75 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.07 min
 Lab File: BF083030.D
 Acq: 19 Nov 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	850726		
171	34.2	30.8	46.2	
170	22.7	21.2	31.8	





#57

Fluorene

Concen: 118.50 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.09 min

Lab File: BF083030.D

Acq: 19 Nov 2015 1:50

Instrument :

BNA_F

ClientSampleId :

SB-5

Tgt Ion:166 Resp: 1331951

Ion Ratio Lower Upper

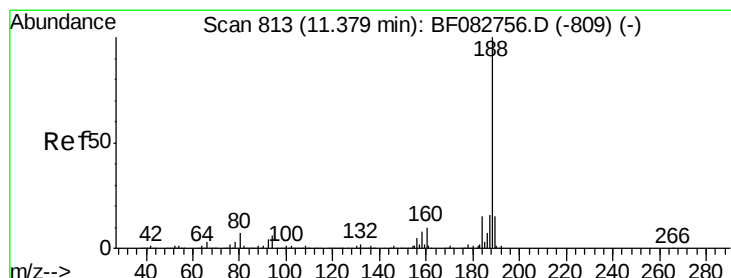
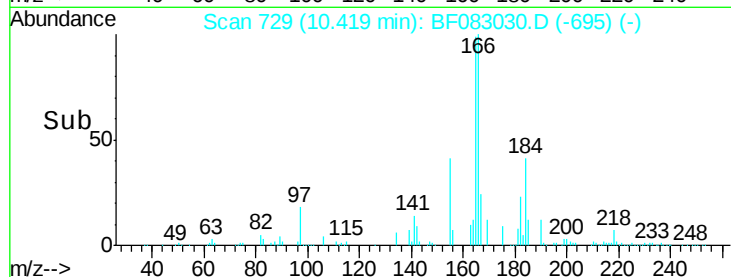
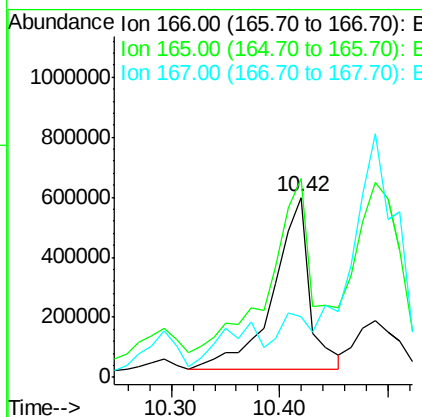
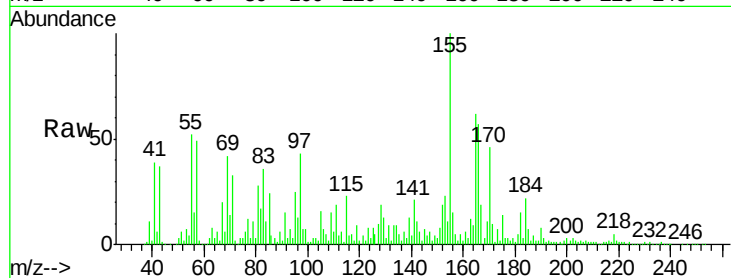
166 100

165 110.3 80.2 120.4

167 33.8 11.2 16.8#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.08 min

Lab File: BF083030.D

Acq: 19 Nov 2015 1:50

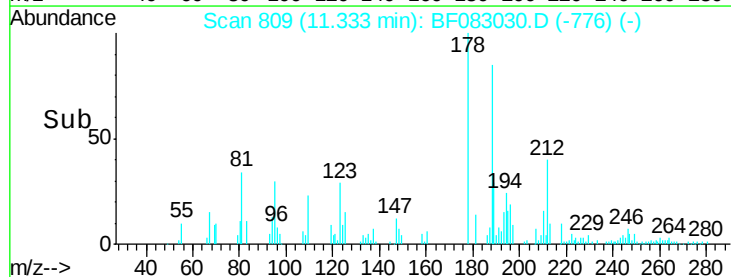
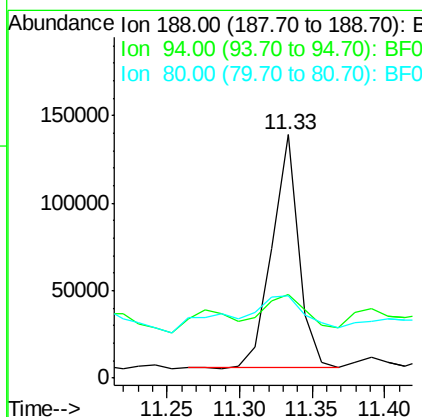
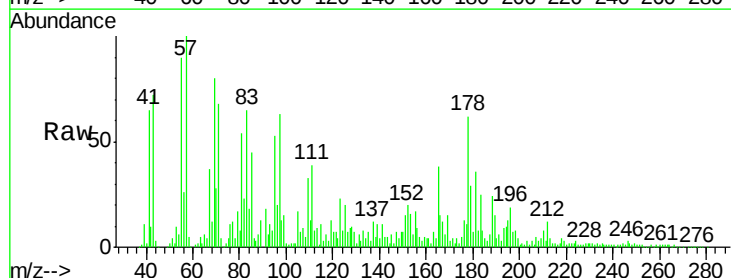
Tgt Ion:188 Resp: 170504

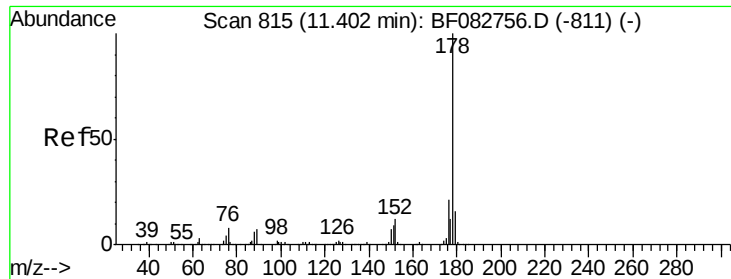
Ion Ratio Lower Upper

188 100

94 34.6 6.1 9.1#

80 33.9 7.0 10.6#





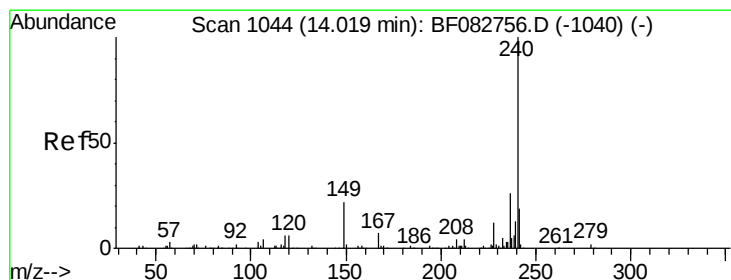
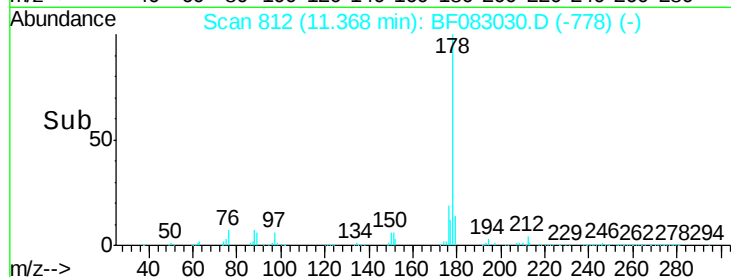
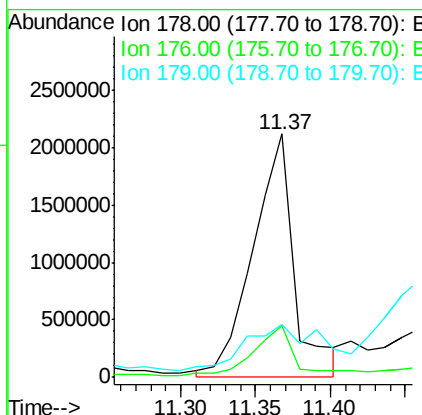
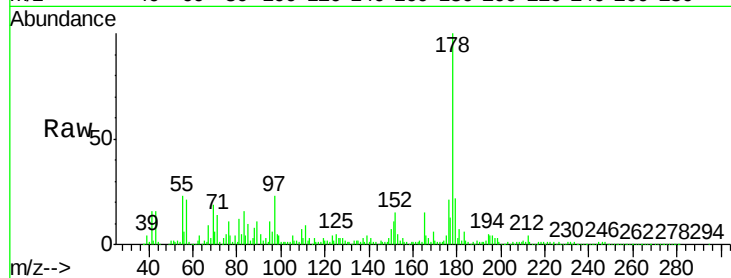
#70
Phenanthrene
Concen: 408.89 ng m
RT: 11.37 min Scan# 812
Delta R.T. 0.09 min
Lab File: BF083030.D
Acq: 19 Nov 2015 1:50

Instrument :
BNA_F
ClientSampleId :
SB-5

Tgt Ion:178 Resp: 4048690
Ion Ratio Lower Upper
178 100
176 21.0 17.0 25.4
179 22.0 13.4 20.0#

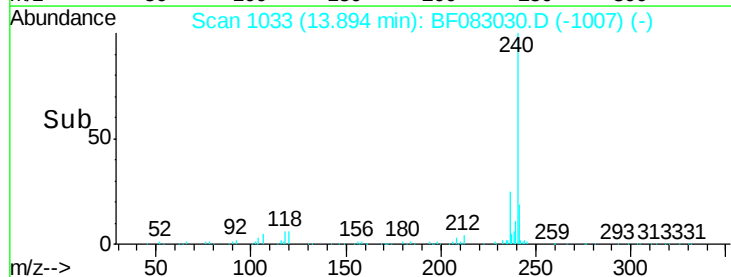
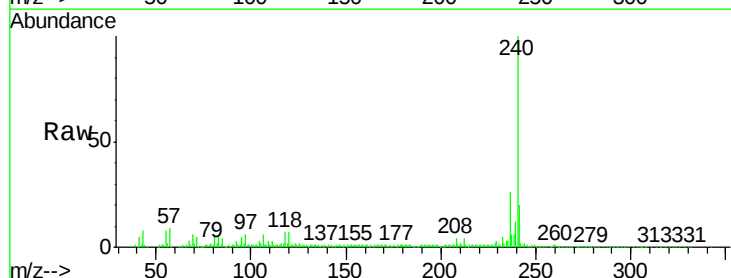
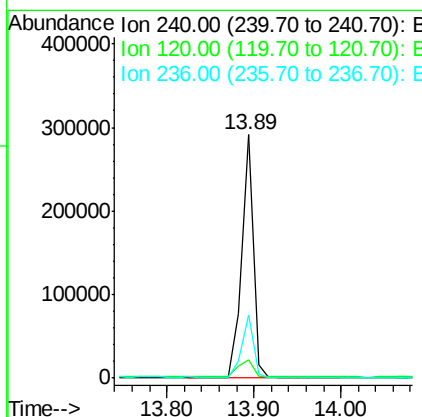
Manual Integrations
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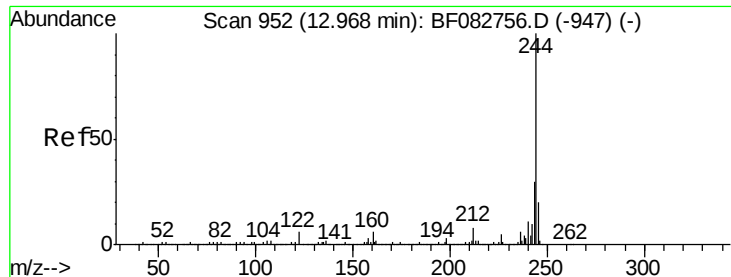
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF083030.D
Acq: 19 Nov 2015 1:50

Tgt Ion:240 Resp: 264597
Ion Ratio Lower Upper
240 100
120 7.4 10.9 16.3#
236 25.7 21.6 32.4





#78

Terphenyl-d14

Concen: 71.45 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.03 min

Lab File: BF083030.D

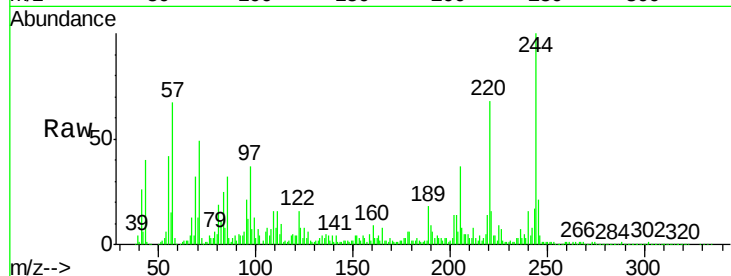
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Instrument :

BNA_F

ClientSampleId :

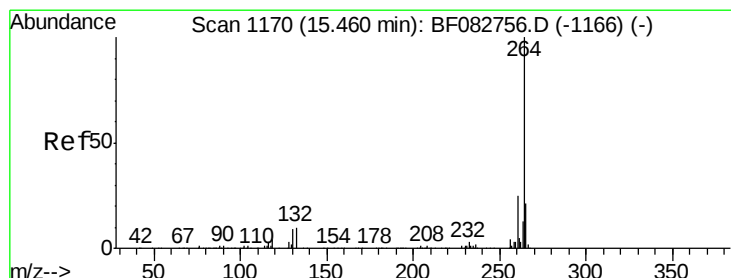
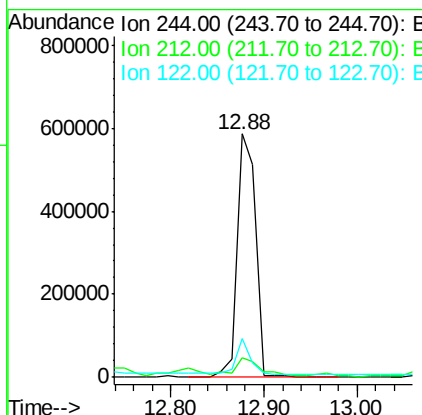
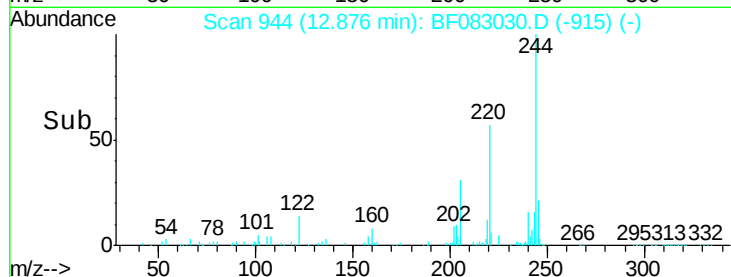
SB-5



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	797067		
212	8.2	7.6	11.4	
122	15.9	11.3	16.9	

Manual Integrations
APPROVED

Mmdadoda
11/19/2015 6:44:59 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF083030.D

Acq: 19 Nov 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	214207		
260	23.1	19.8	29.6	
265	21.2	17.4	26.0	

