

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083424.D
 Acq On : 2 Dec 2015 18:15
 Operator : UM/IZ
 Sample : G4582-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)

Manual Integrations
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Quant Time: Dec 03 04:02:33 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	146269m	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	537555	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	283530	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	519415	20.00	ng	-0.01
75) Chrysene-d12	14.73	240	397511	20.00	ng	-0.03
86) Perylene-d12	16.80	264	317666	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1489301	152.79	ng	0.01
7) Phenol-d6	6.21	99	1812224	135.83	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1289279	105.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	372851	131.00	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1737168	87.31	ng	-0.01
78) Terphenyl-d14	13.21	244	1662704	99.75	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.87	128	8553866	293.28	ng	# 88
37) 2-Methylnaphthalene	8.54	142	2008017m	103.01	ng	
45) 1,1'-Biphenyl	9.00	154	474082	19.07	ng	95
48) Acenaphthylene	9.44	152	208090	6.89	ng	# 91
49) Dimethylphthalate	9.31	163	408229	17.72	ng	99
51) Acenaphthene	9.61	154	1236919	69.58	ng	99
54) Dibenzofuran	9.78	168	140039	5.38	ng	# 89
57) Fluorene	10.12	166	777622m	37.80	ng	
70) Phenanthrene	11.15	178	2977011	96.85	ng	96
71) Anthracene	11.21	178	981229	31.71	ng	99
74) Fluoranthene	12.65	202	1149372	36.07	ng	97
77) Pyrene	12.96	202	1626698	58.60	ng	97
80) Benzo(a)anthracene	14.72	228	479581m	19.69	ng	
82) Chrysene	14.76	228	376103	15.98	ng	98
83) Bis(2-ethylhexyl)phthalate	14.84	149	54203	3.43	ng	# 98
85) Indeno(1,2,3-cd)pyrene	18.17	276	101427	5.92	ng	95
87) Benzo(b)fluoranthene	16.28	252	231580m	11.36	ng	
88) Benzo(k)fluoranthene	16.32	252	67247m	3.49	ng	
89) Benzo(a)pyrene	16.72	252	274140	15.66	ng	98
91) Benzo(a,h,i)perylene	18.53	276	123047	8.22	ng	97

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

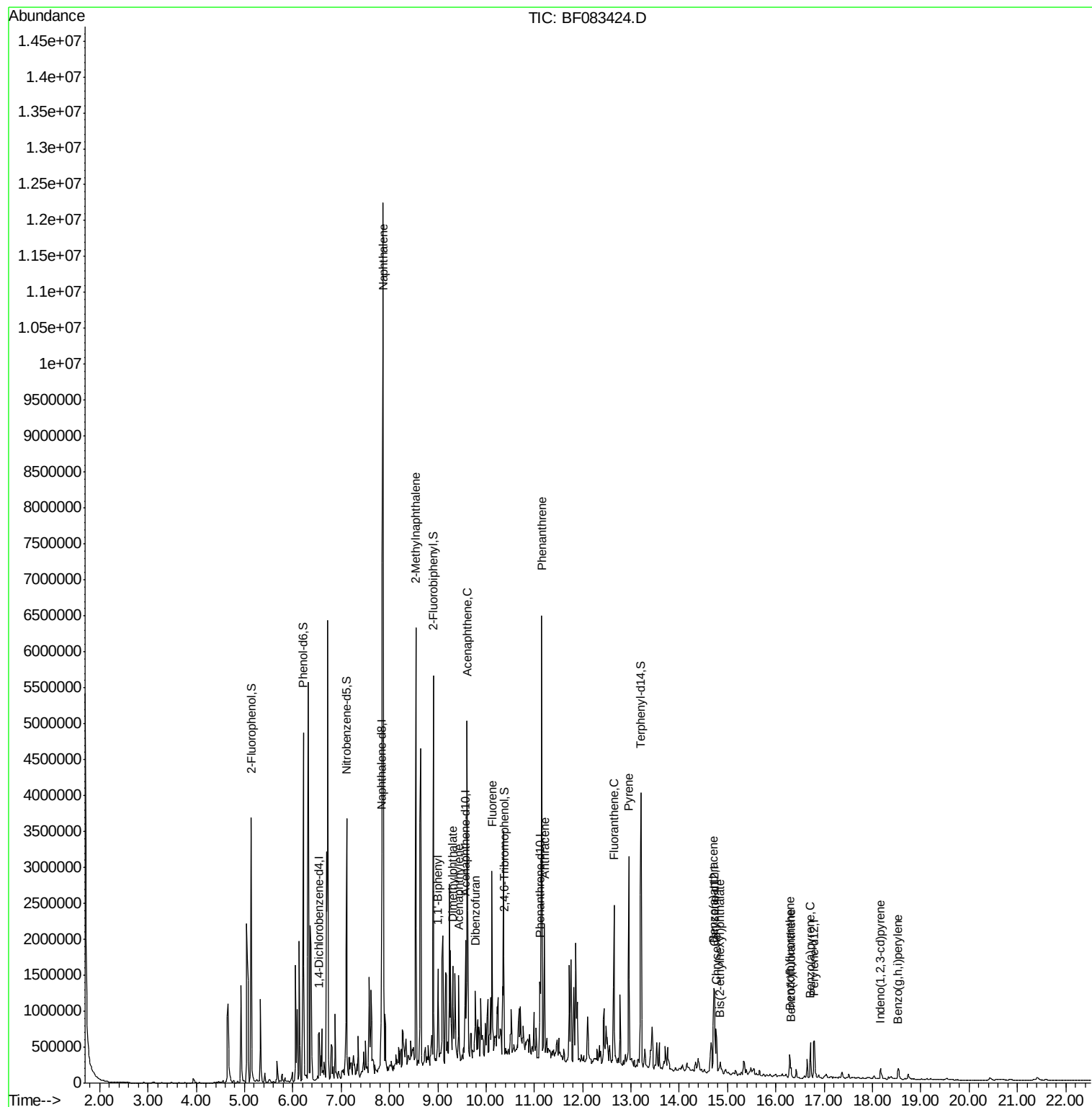
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083424.D
Acq On : 2 Dec 2015 18:15
Operator : UM/IZ
Sample : G4582-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

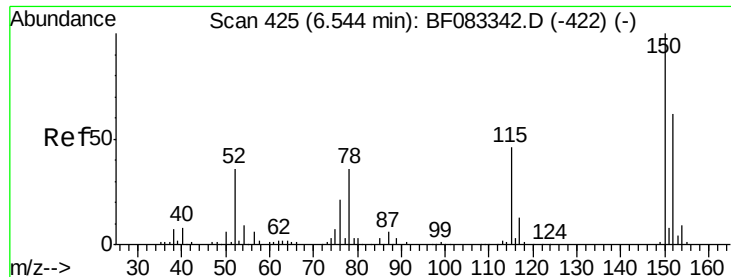
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Manual Integrations
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Quant Time: Dec 03 04:02:33 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





#1

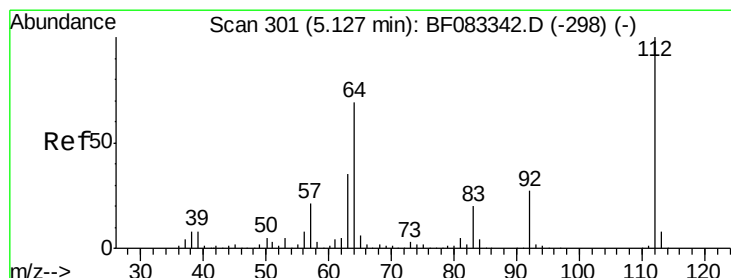
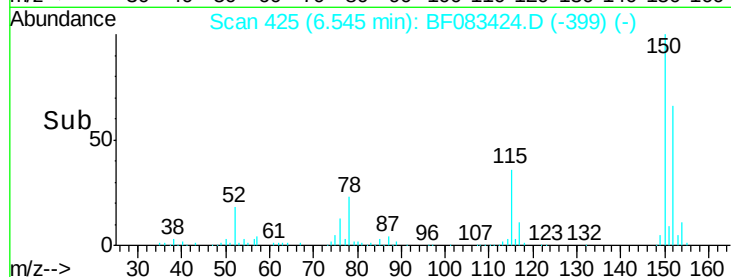
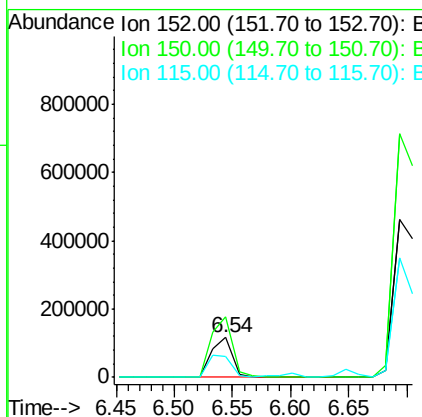
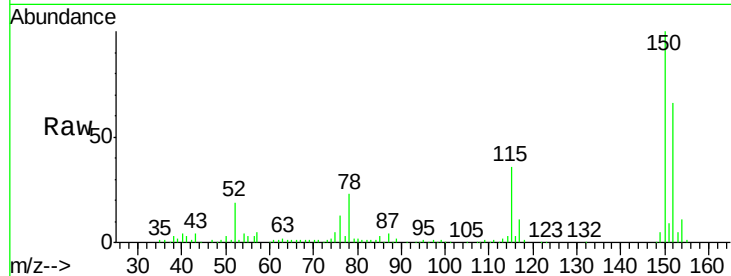
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	129.8	194.8
115	53.6	59.2	88.8

Manual Integrations
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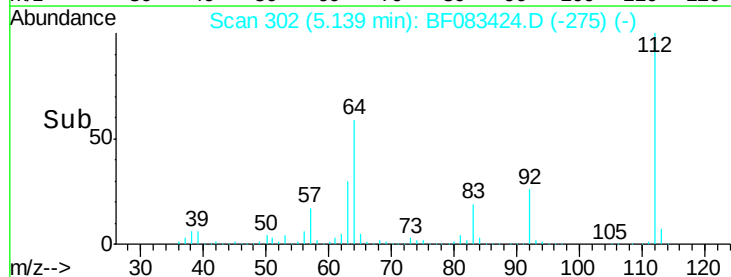
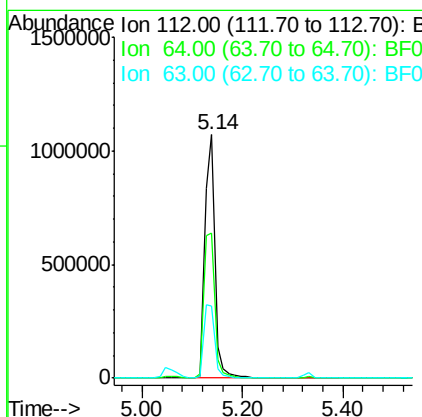
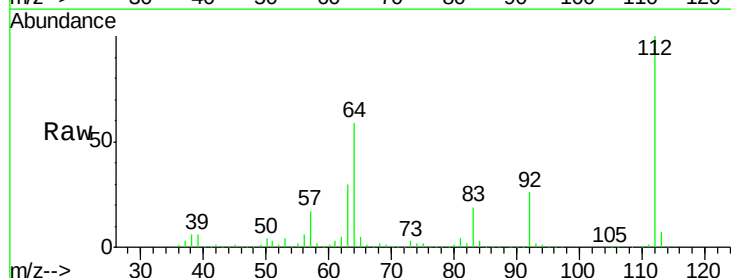
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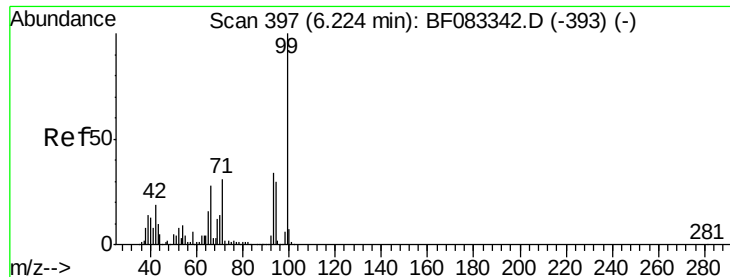


#5

2-Fluorophenol
Concen: 152.79 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	55.6	83.4
63	29.9	28.2	42.2





#7

Phenol-d6

Concen: 135.83 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)

Tot Ion: 99 Resp: 1812224

Ion Ratio Lower Upper

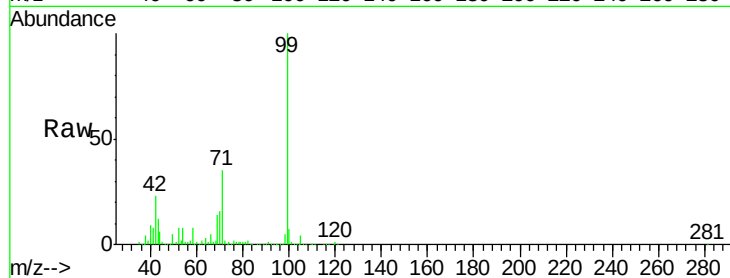
99 100

42 22.7 14.9 22.3#

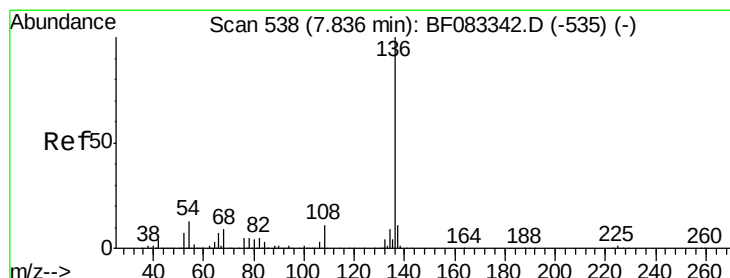
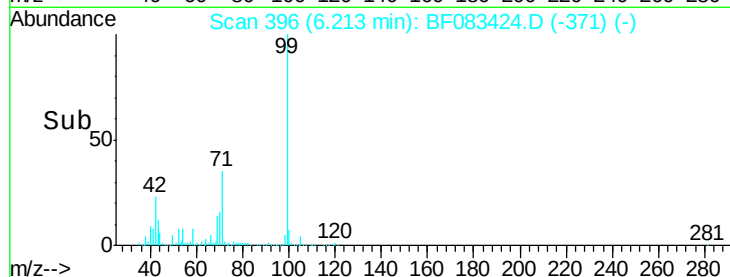
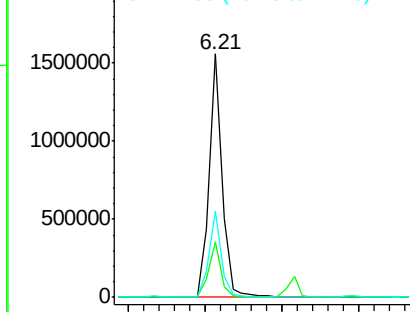
71 35.3 24.7 37.1

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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: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Tgt Ion: 136 Resp: 537555

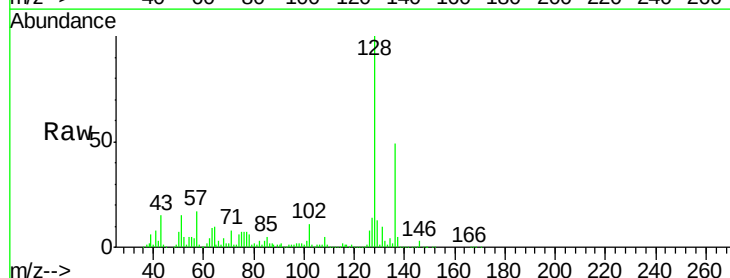
Ion Ratio Lower Upper

136 100

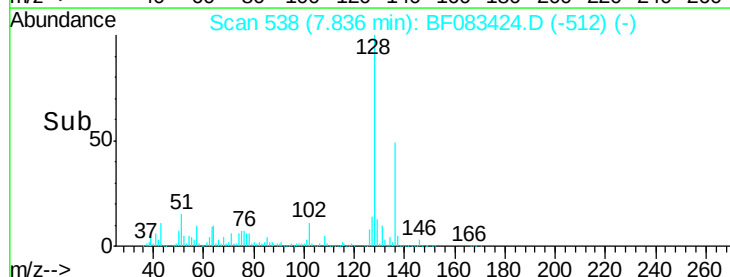
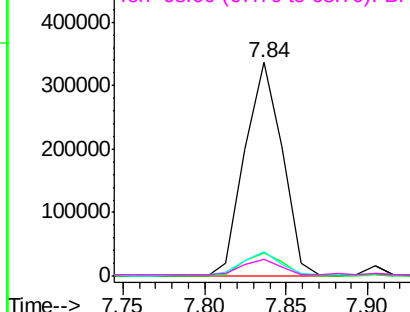
137 10.9 9.0 13.4

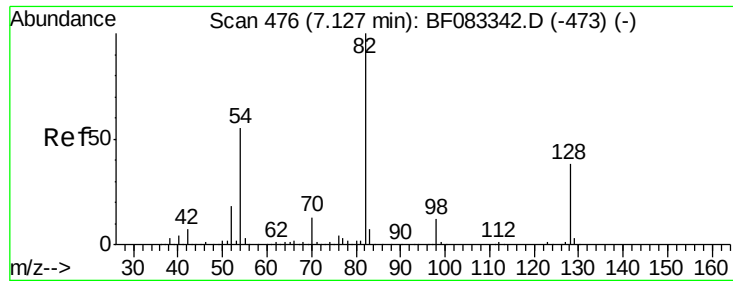
54 11.2 10.1 15.1

68 7.8 7.1 10.7



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





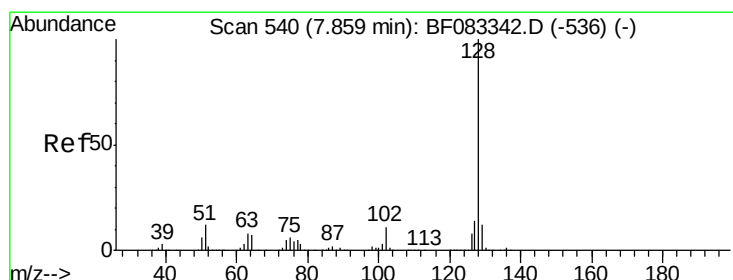
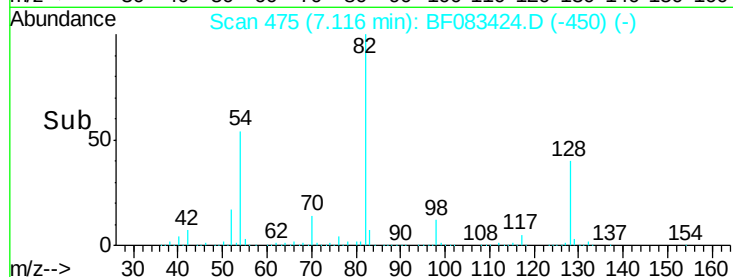
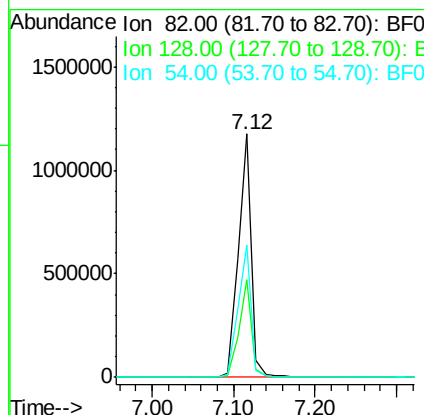
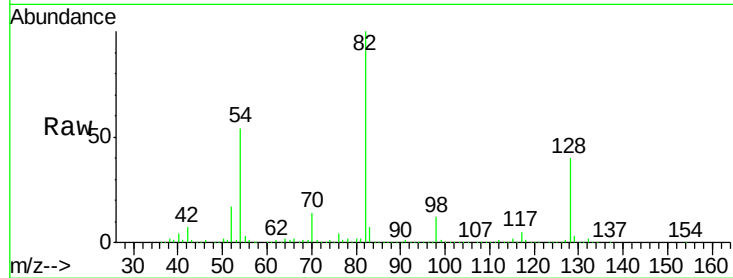
#23
 Nitrobenzene-d5
 Concen: 105.43 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083424.D
 Acq: 2 Dec 2015 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)

Tot Ion	82	Resp	128	Ratio	Lower	Upper
82	100					
128	40.2	30.6	46.0			
54	54.2	43.8	65.6			

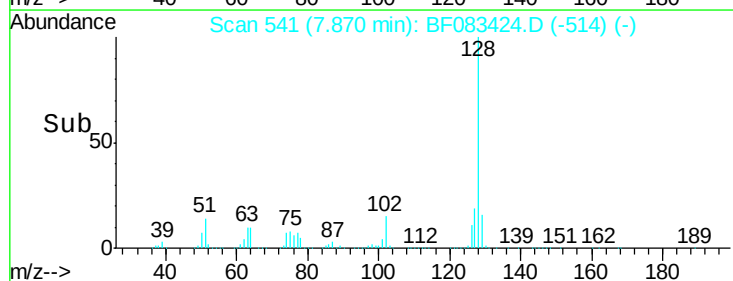
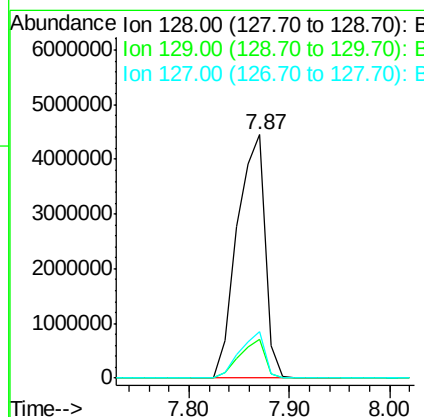
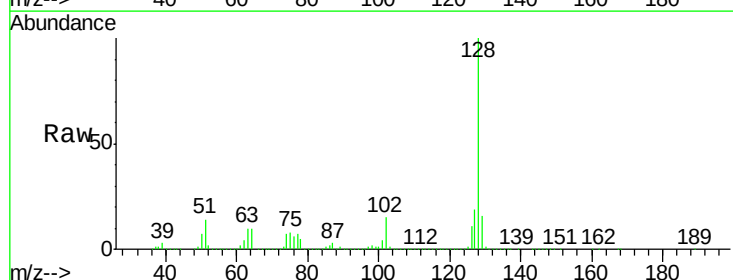
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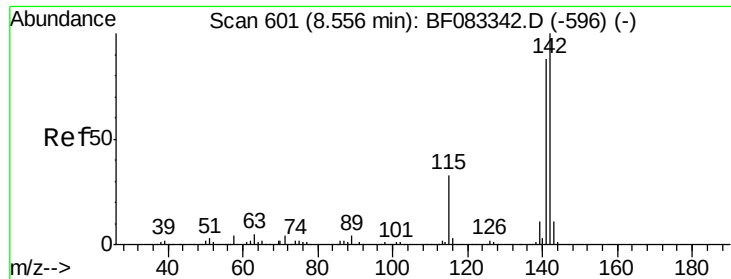
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#31
 Naphthalene
 Concen: 293.28 ng
 RT: 7.87 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: BF083424.D
 Acq: 2 Dec 2015 18:15

Tgt Ion	128	Resp	129	Ratio	Lower	Upper
128	100					
129	16.0	9.7	14.5#			
127	19.0	11.0	16.4#			





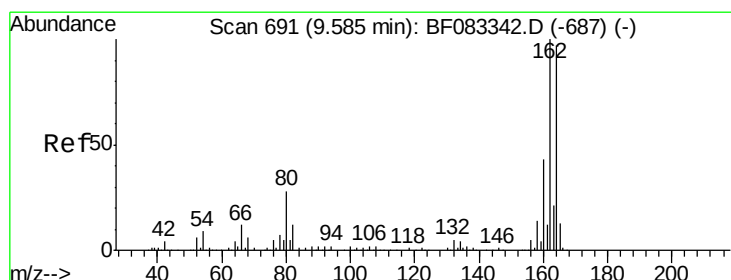
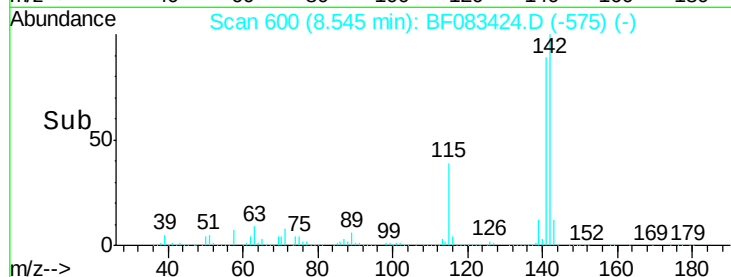
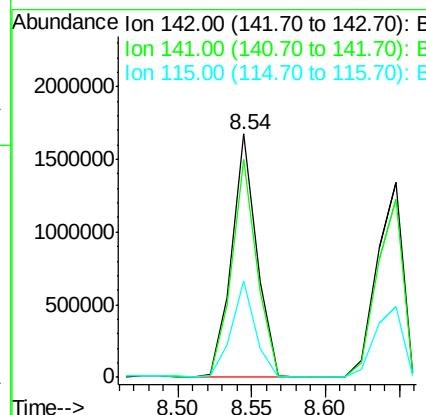
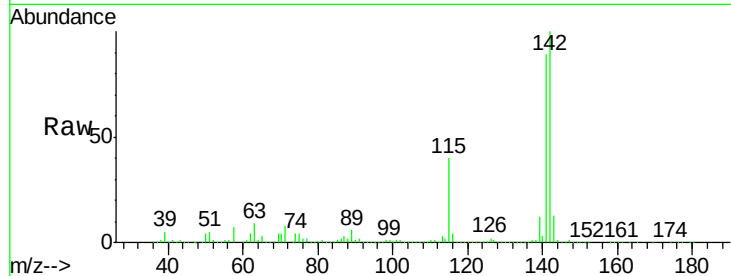
#37
2-Methylnaphthalene
Concen: 103.01 ng/mL
RT: 8.54 min Scan# 600
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.6	105.8
115	39.6	26.2	39.2

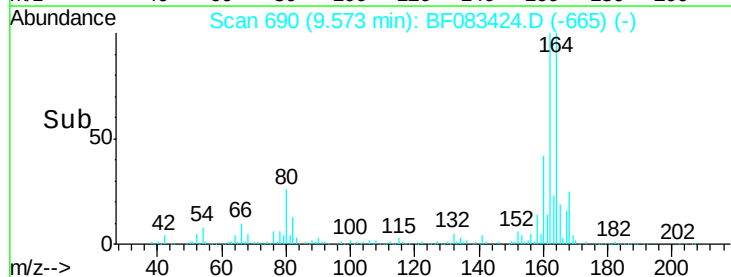
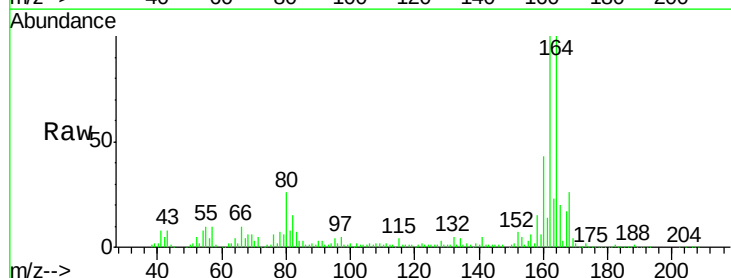
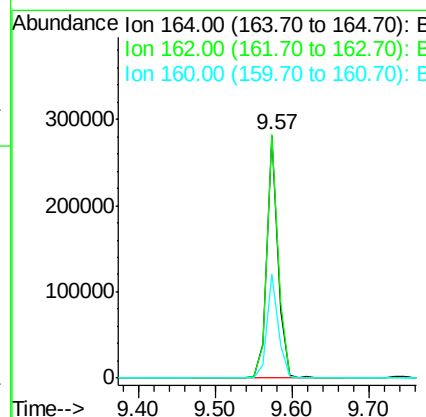
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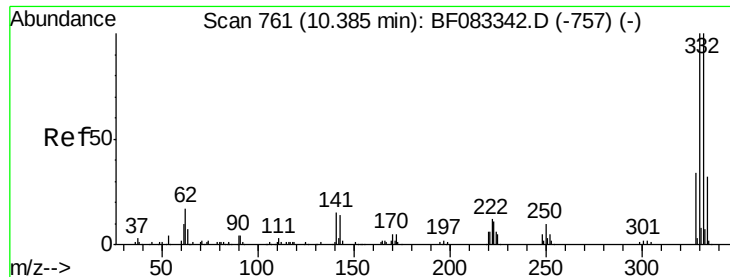
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#38
Acenaphthene-d10
Concen: 20.00 ng/mL
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.6	123.8
160	42.6	35.3	52.9





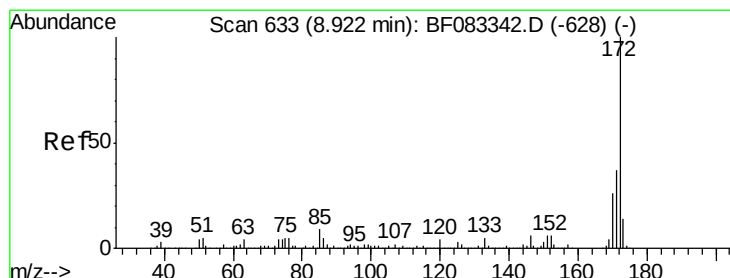
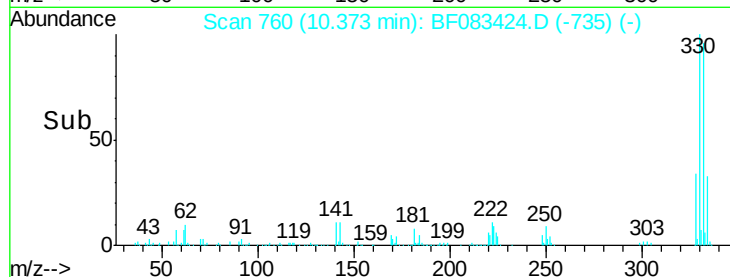
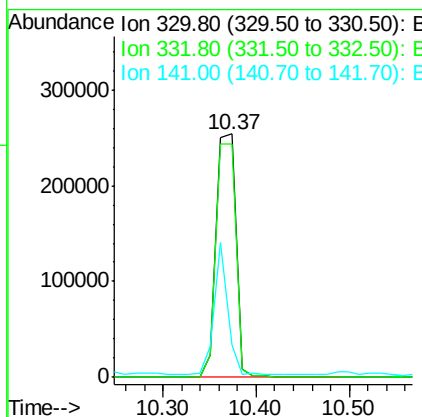
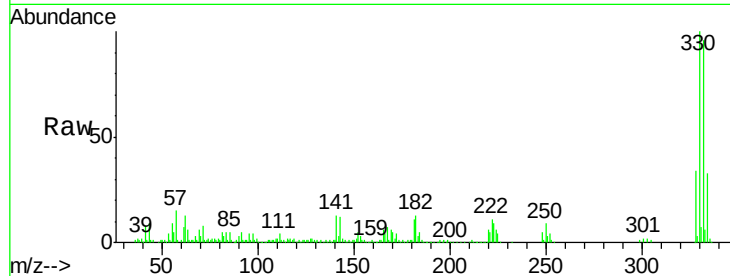
#41
 2,4,6-Tribromophenol
 Concen: 131.00 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083424.D
 Acq: 2 Dec 2015 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.8	116.6	
141	38.2	29.4	44.0	

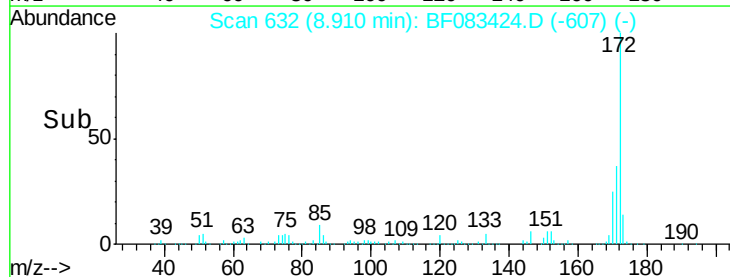
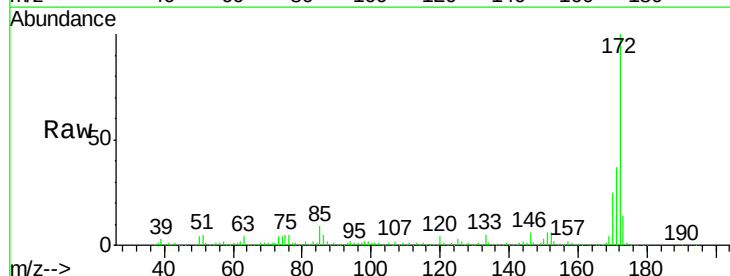
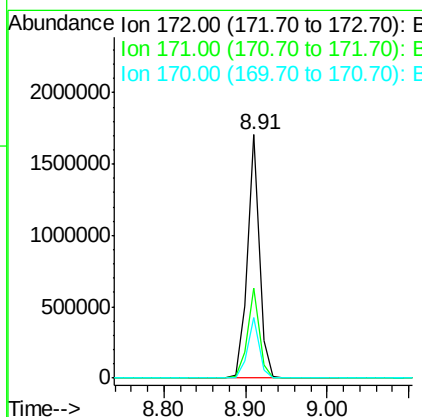
Manual Integrations
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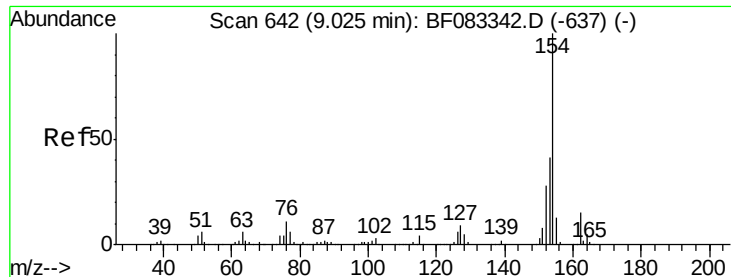
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#44
 2-Fluorobiphenyl
 Concen: 87.31 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083424.D
 Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.0	29.4	44.0	
170	24.8	20.4	30.6	





#45

1,1'-Biphenyl

Concen: 19.07 ng

RT: 9.00 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Instrument :

BNA_F

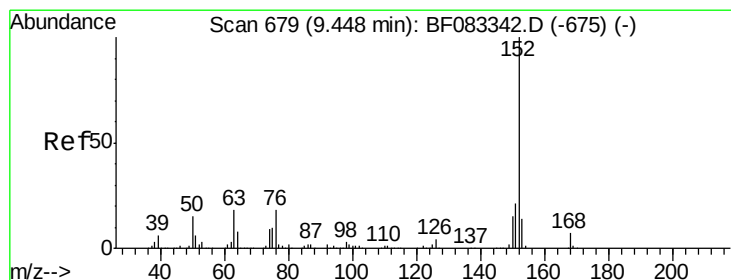
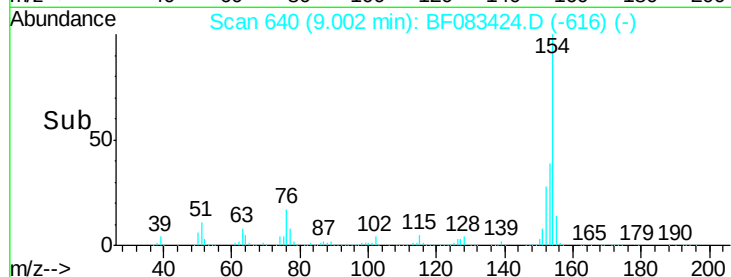
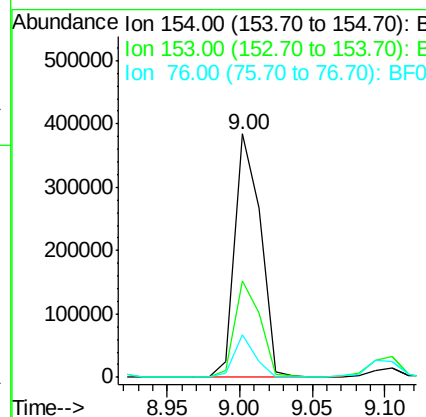
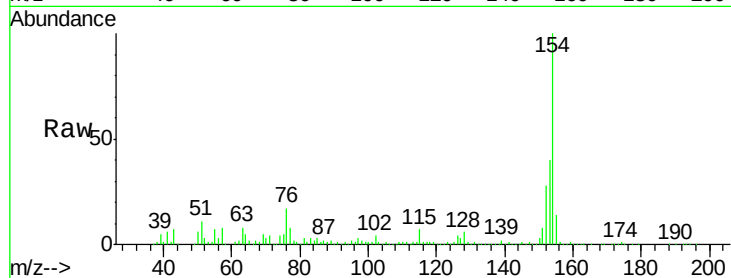
ClientSampleId :

SB-P3WC-05(8-14)

Tot Ion:	154	Resp:	474082
Ion Ratio	Lower	Upper	
154	100		
153	39.6	20.6	60.6
76	17.4	0.0	30.5

Manual Integrations
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#48

Acenaphthylene

Concen: 6.89 ng

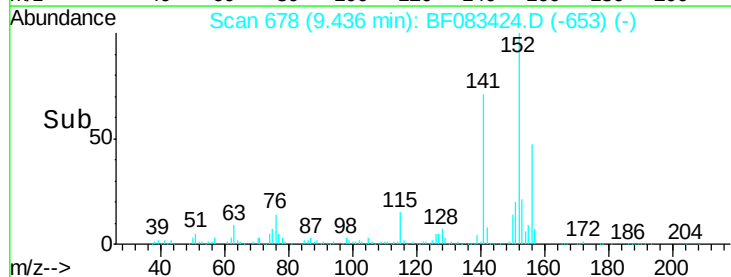
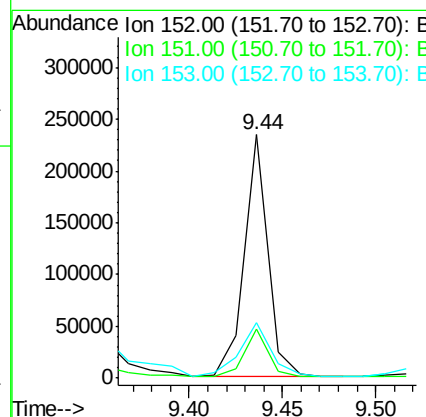
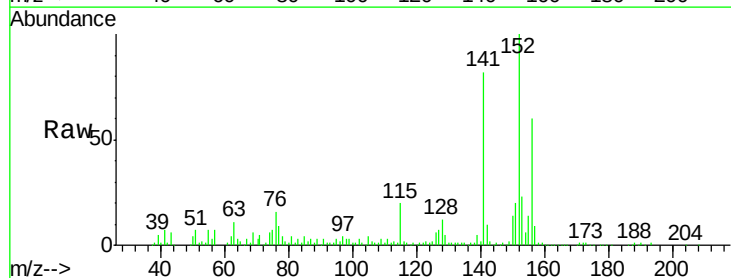
RT: 9.44 min Scan# 678

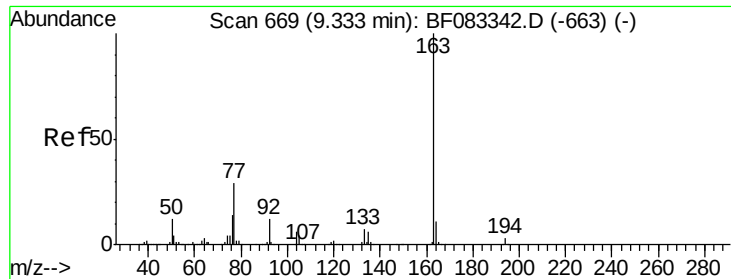
Delta R.T. -0.01 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Tgt Ion:	152	Resp:	208090
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.7	25.1
153	22.8	11.2	16.8#





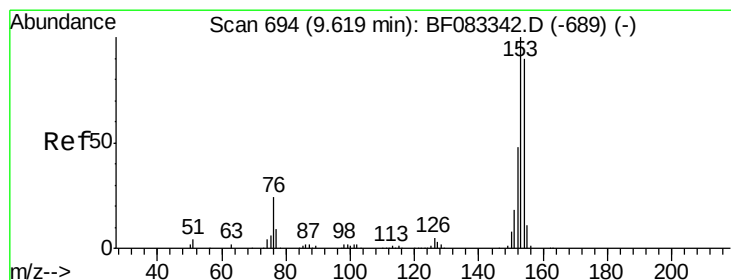
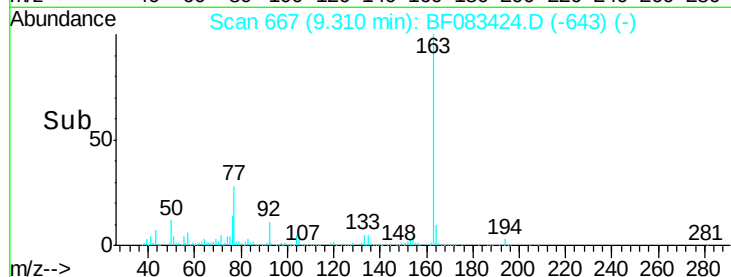
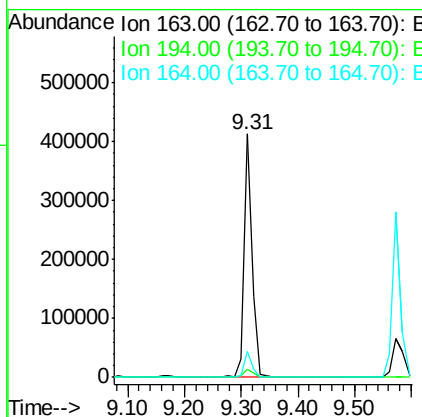
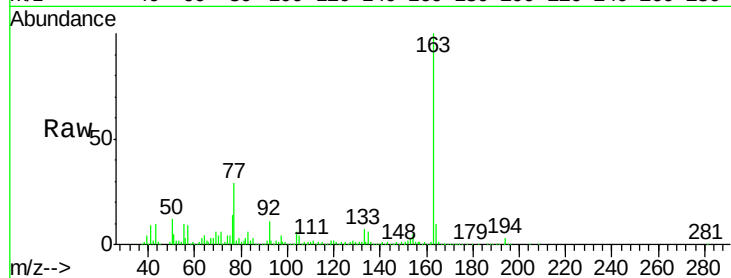
#49
Dimethylphthalate
Concen: 17.72 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	408229		
194	3.3		2.7	4.1
164	10.5		8.8	13.2

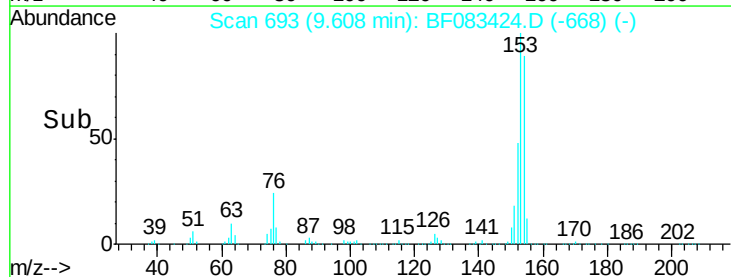
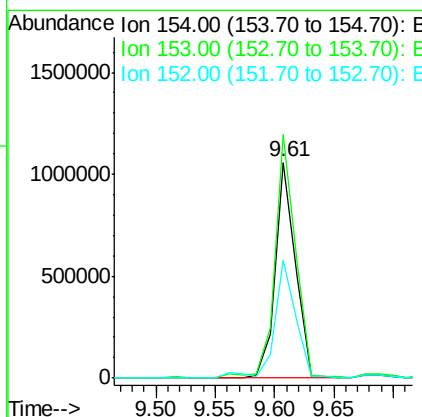
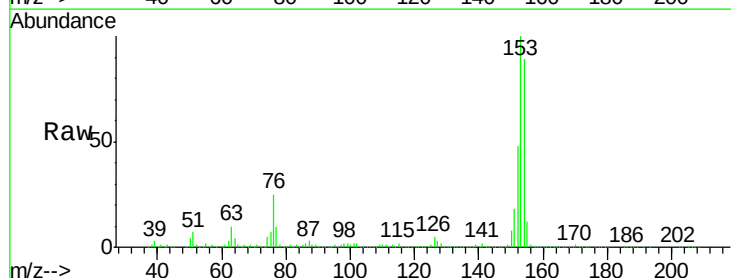
Manual Integrations
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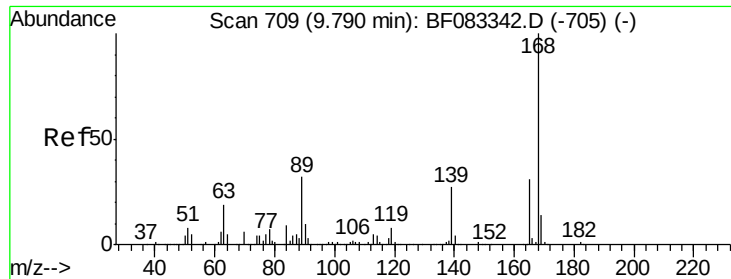
Mmdadoda
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#51
Acenaphthene
Concen: 69.58 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1236919		
153	112.7		89.3	133.9
152	54.5		42.5	63.7





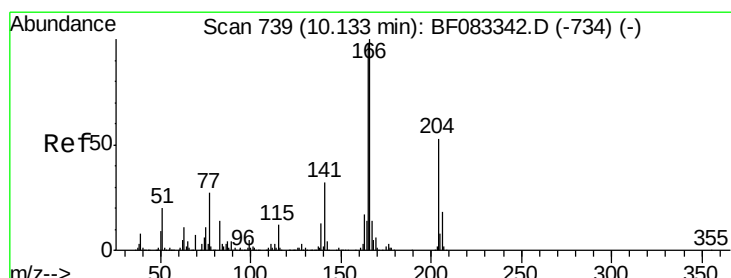
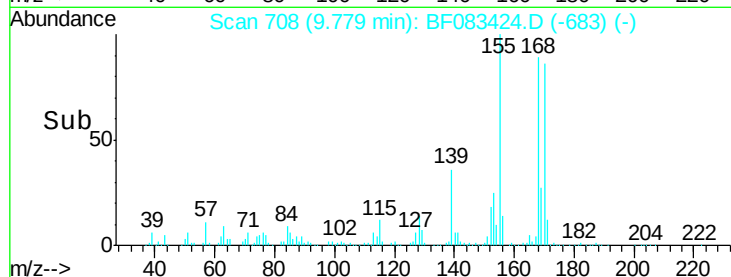
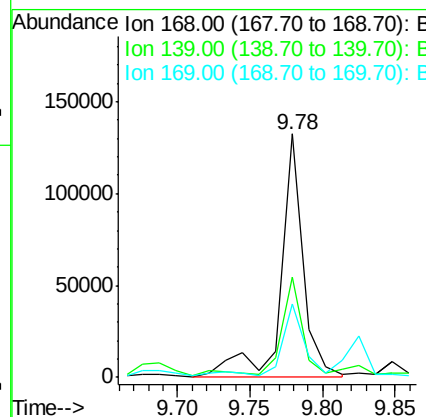
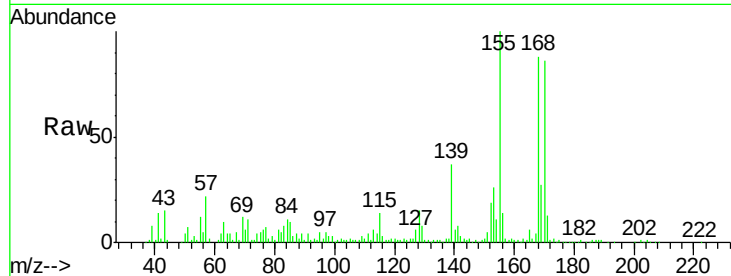
#54
Dibenzofuran
Concen: 5.38 ng
RT: 9.78 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.4	32.7	49.1	
169	30.1	11.1	16.7	

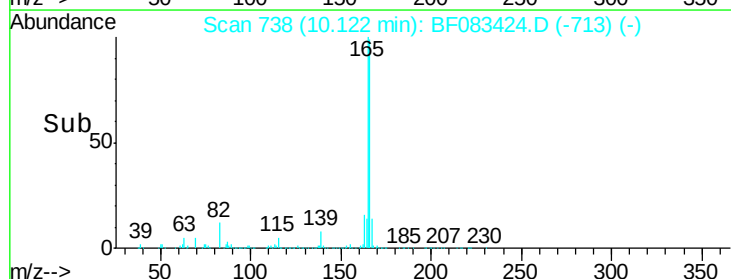
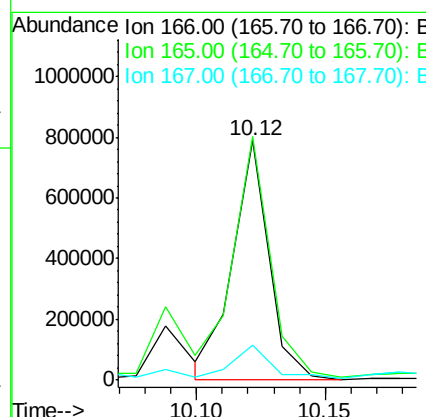
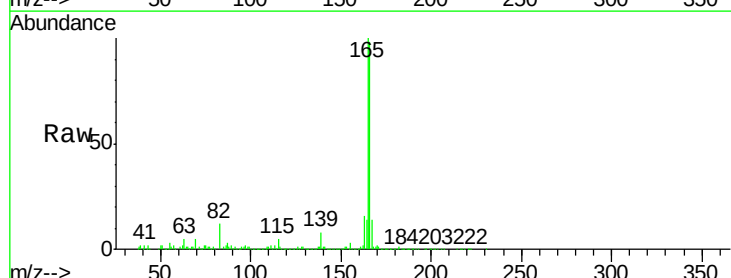
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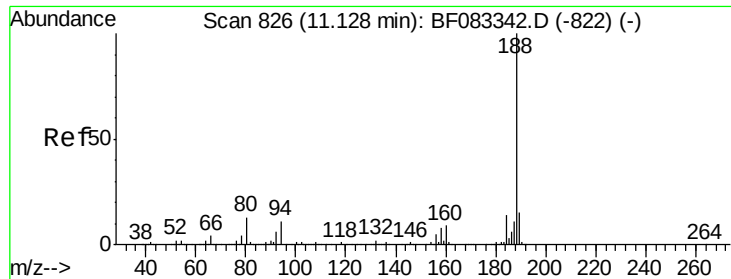
Mmdadoda
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#57
Fluorene
Concen: 37.80 ng m
RT: 10.12 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.6	78.3	117.5	
167	14.6	11.1	16.7	





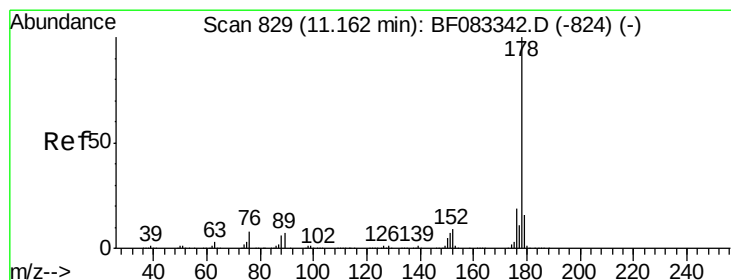
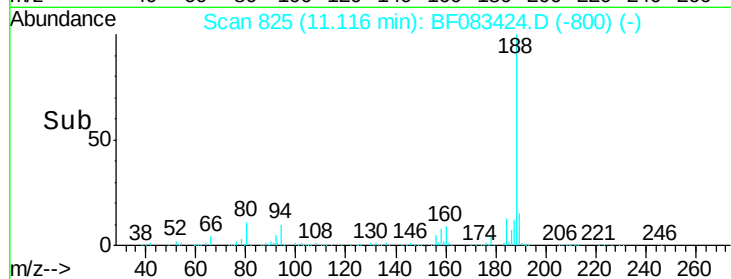
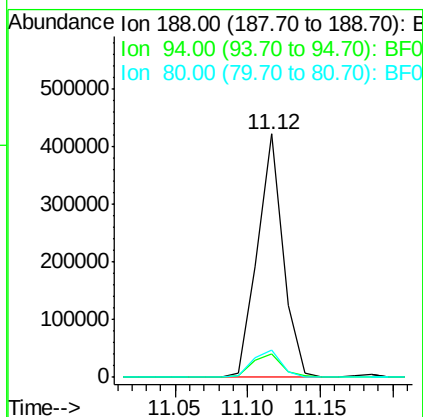
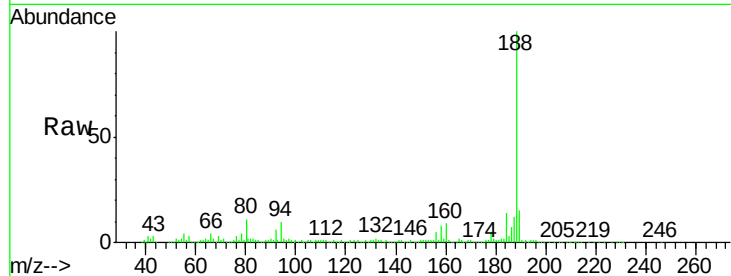
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	519415		
94	9.9	8.7	13.1	
80	11.4	10.3	15.5	

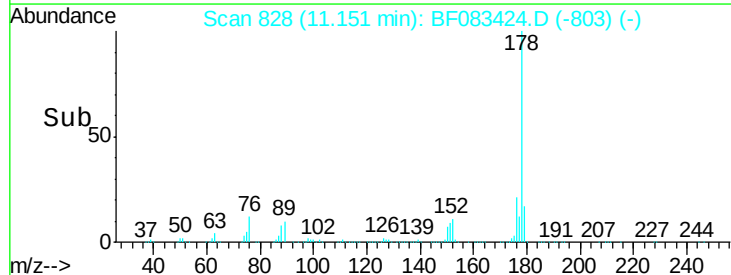
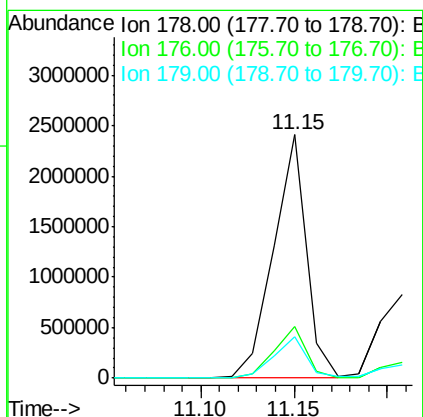
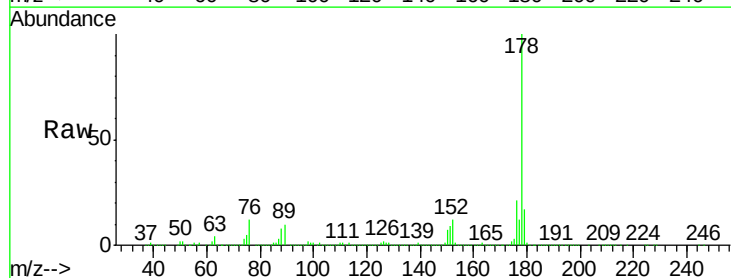
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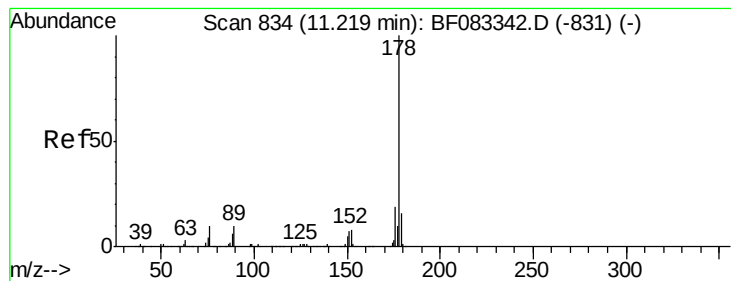
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#70
Phenanthrene
Concen: 96.85 ng
RT: 11.15 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2977011		
176	21.1	15.3	22.9	
179	17.1	12.4	18.6	





#71

Anthracene

Concen: 31.71 ng

RT: 11.21 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF083424.D

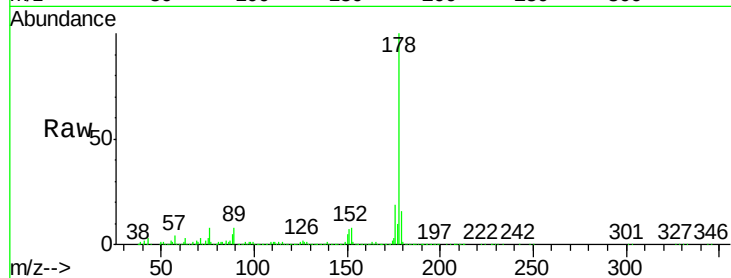
Acq: 2 Dec 2015 18:15

Instrument :

BNA_F

ClientSampleId :

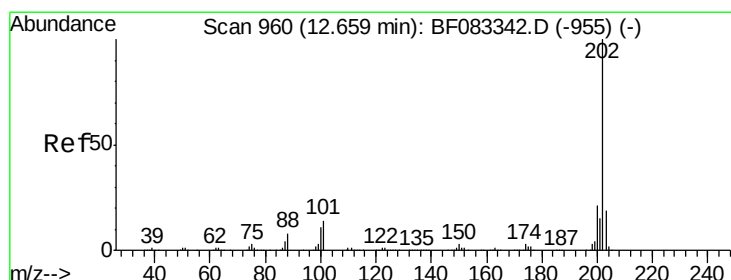
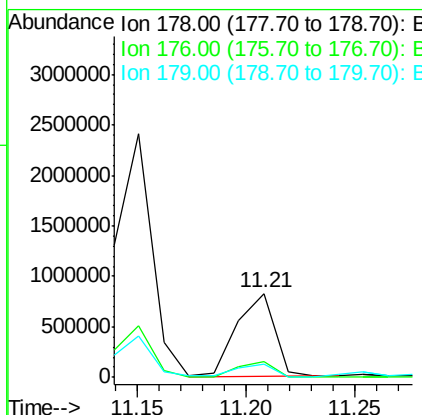
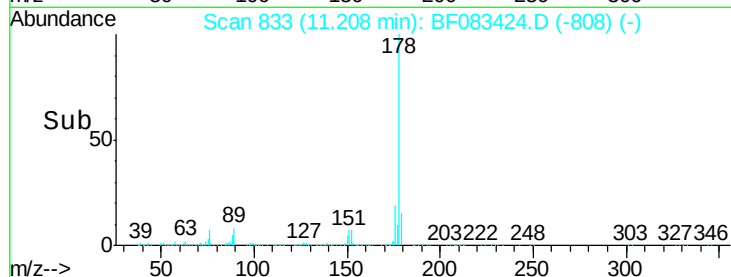
SB-P3WC-05(8-14)



Tot Ion:	178	Resp:	981229
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.6	23.4
179	15.7	12.8	19.2

Manual Integrations
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#74

Fluoranthene

Concen: 36.07 ng

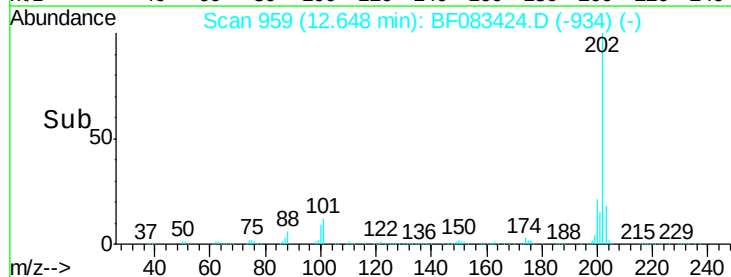
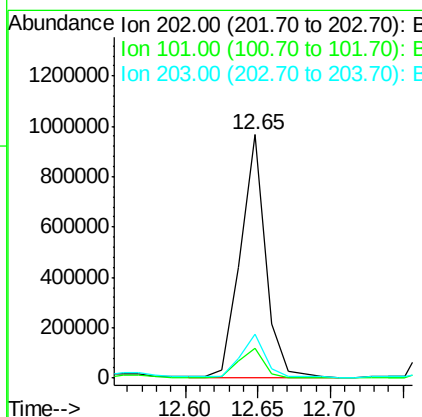
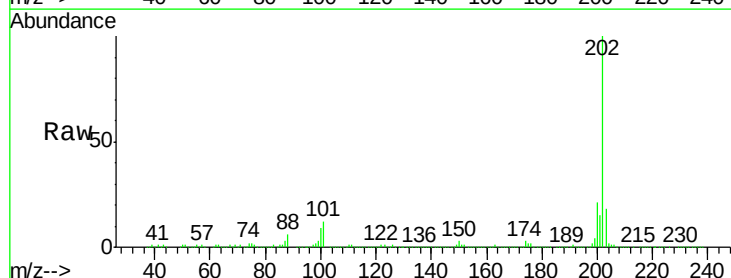
RT: 12.65 min Scan# 959

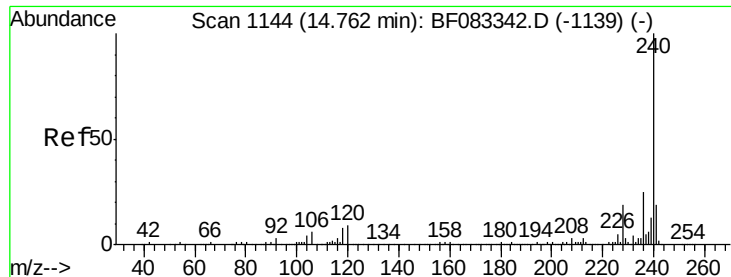
Delta R.T. -0.01 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Tgt Ion:	202	Resp:	1149372
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	34.5
203	18.1	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Instrument :

BNA_F

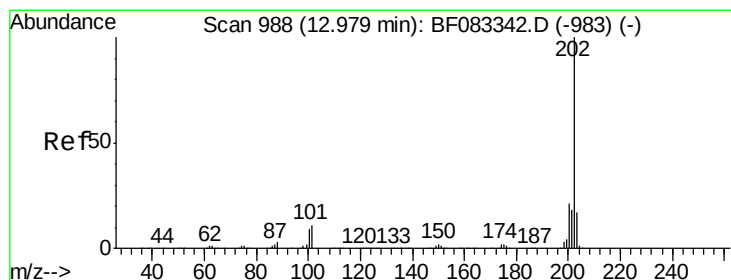
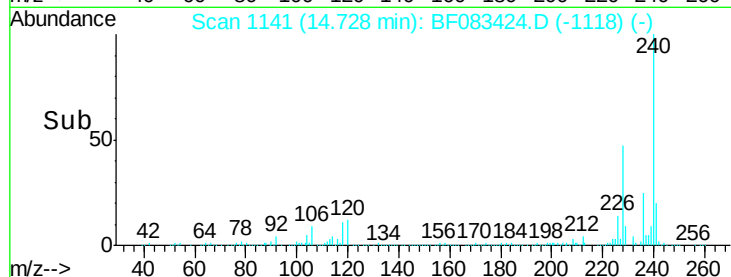
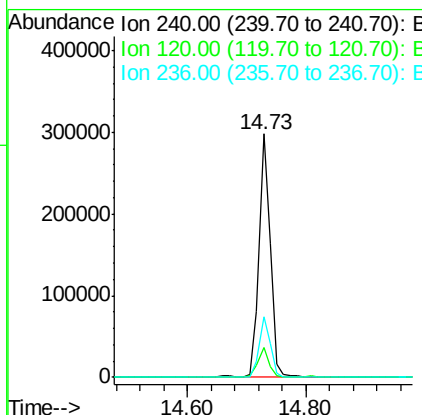
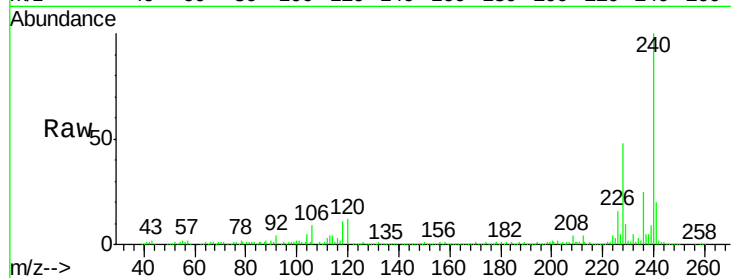
ClientSampleId :

SB-P3WC-05(8-14)

Tot Ion:	240	Resp:	397511
Ion Ratio		Lower	Upper
240	100		
120	12.4	6.9	10.3#
236	24.8	19.8	29.6

Manual Integrations
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#77

Pyrene

Concen: 58.60 ng

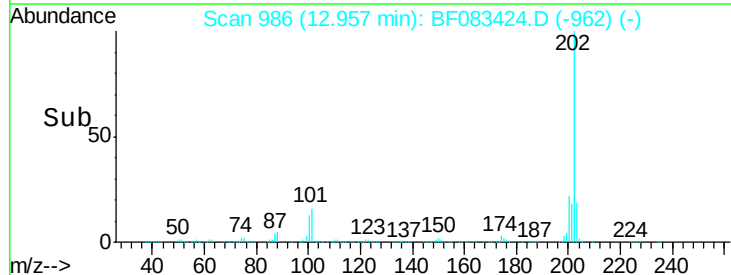
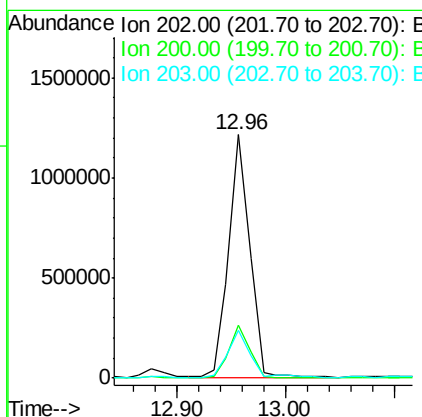
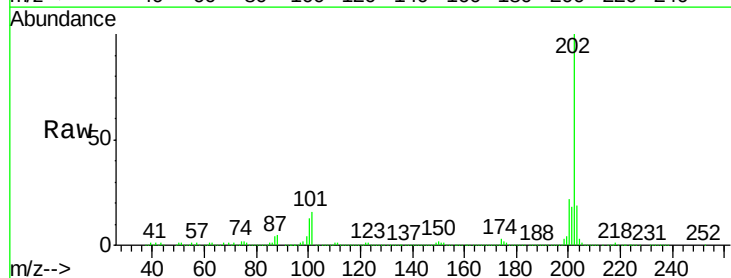
RT: 12.96 min Scan# 986

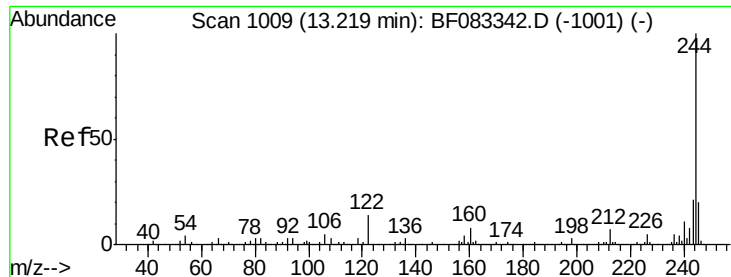
Delta R.T. -0.02 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Tgt Ion:	202	Resp:	1626698
Ion Ratio		Lower	Upper
202	100		
200	21.8	16.9	25.3
203	19.5	13.9	20.9





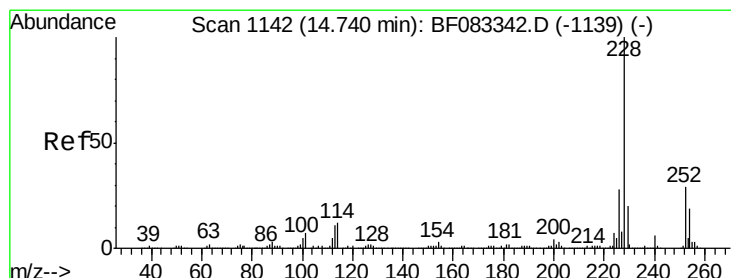
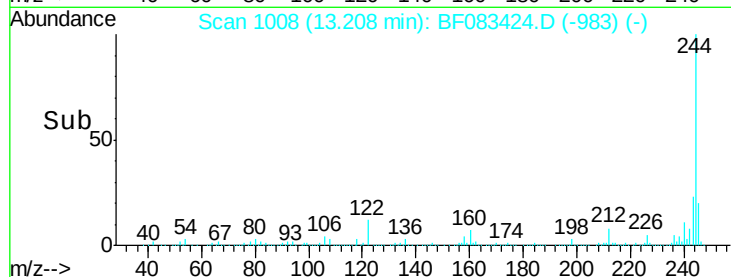
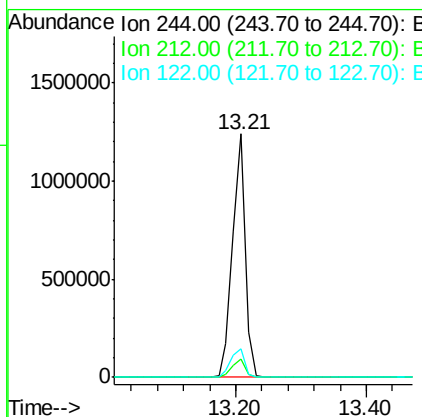
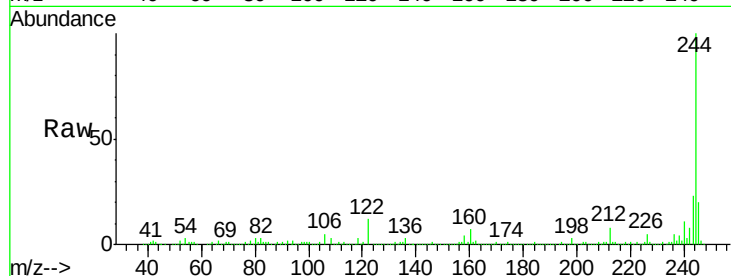
#78
 Terphenyl-d14
 Concen: 99.75 ng
 RT: 13.21 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BF083424.D
 Acq: 2 Dec 2015 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)

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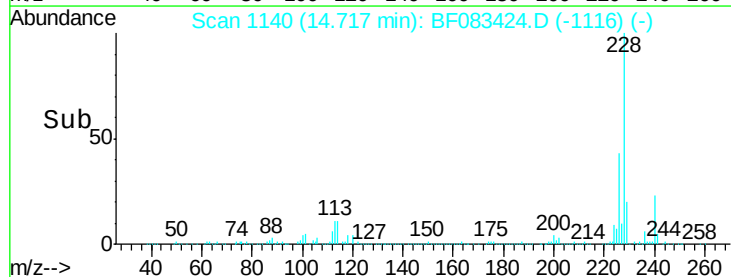
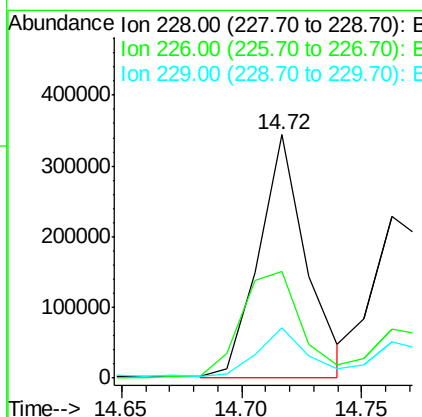
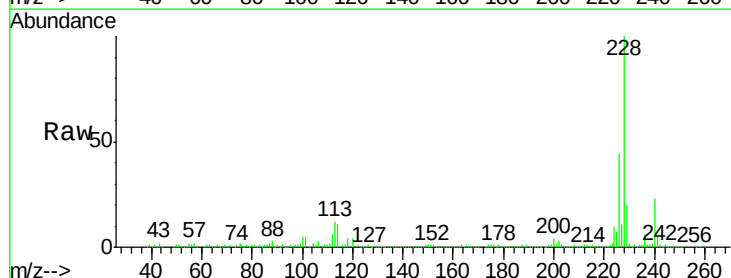
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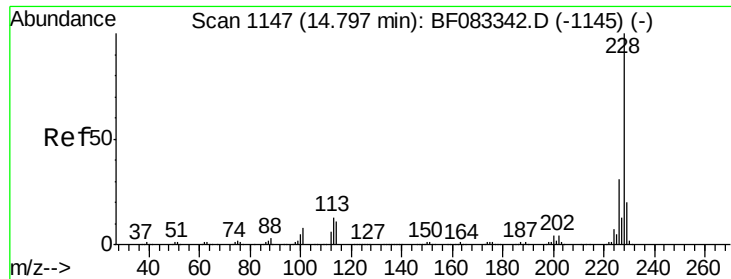
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	11.7	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 19.69 ng m
 RT: 14.72 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BF083424.D
 Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.7	22.2	33.4#
229	20.5	16.1	24.1





#82

Chrysene

Concen: 15.98 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

Instrument :

BNA_F

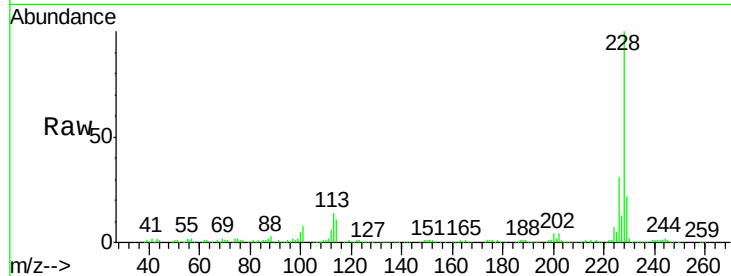
ClientSampleId :

SB-P3WC-05(8-14)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	376103		
226	30.5	24.6	37.0	
229	22.1	16.2	24.2	

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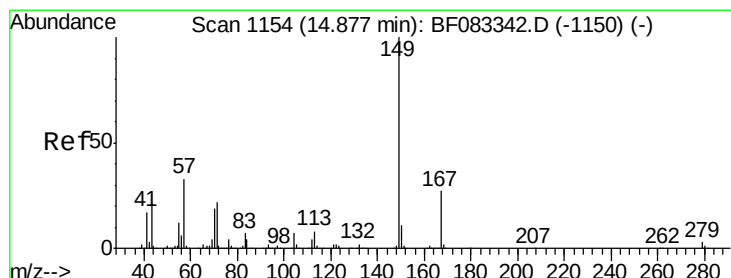
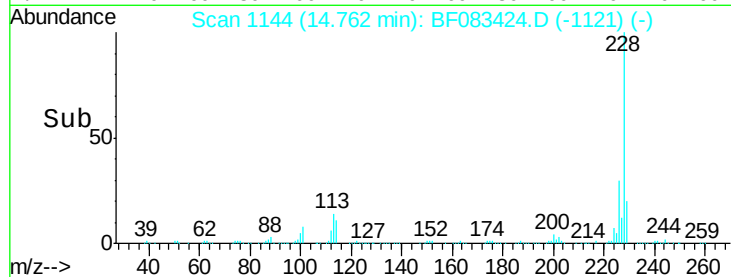
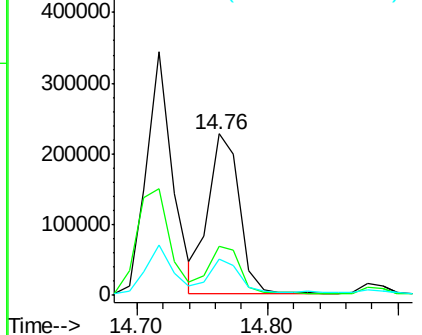
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.43 ng

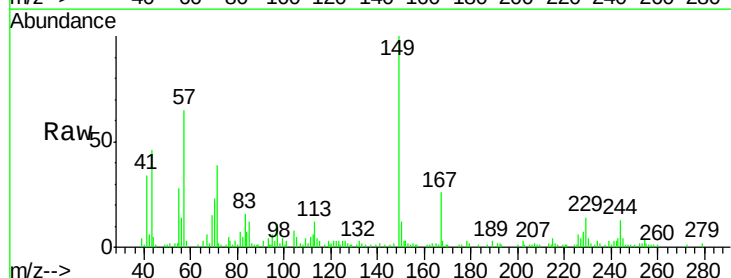
RT: 14.84 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF083424.D

Acq: 2 Dec 2015 18:15

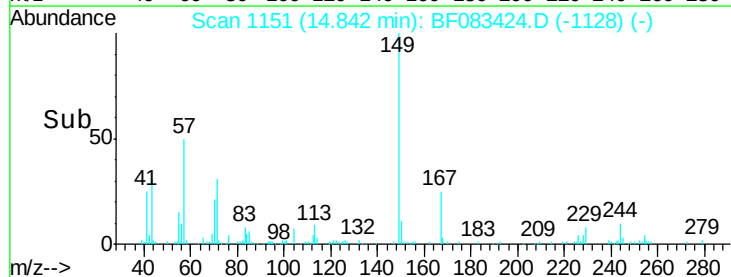
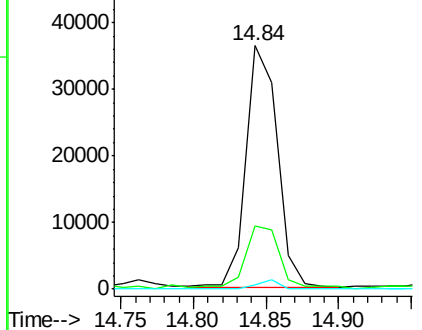
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	54203		
167	25.7	21.5	32.3	
279	2.0	2.6	3.8#	

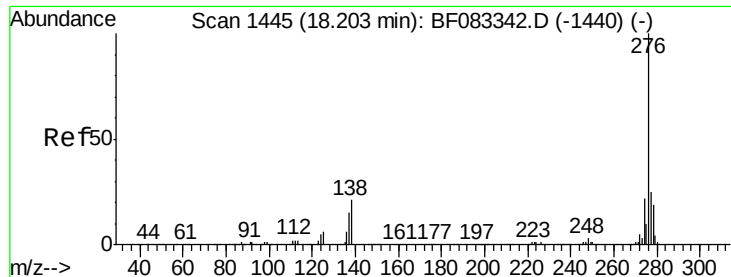


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





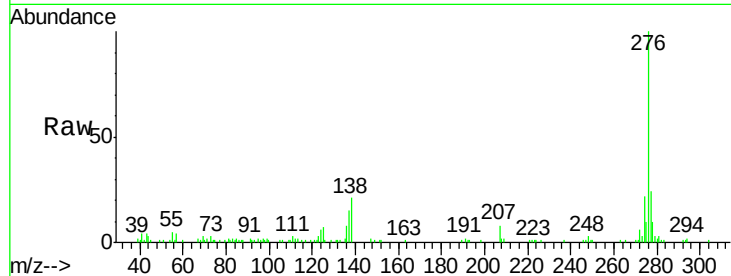
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.92 ng
RT: 18.17 min Scan# 1442
Delta R.T. -0.03 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

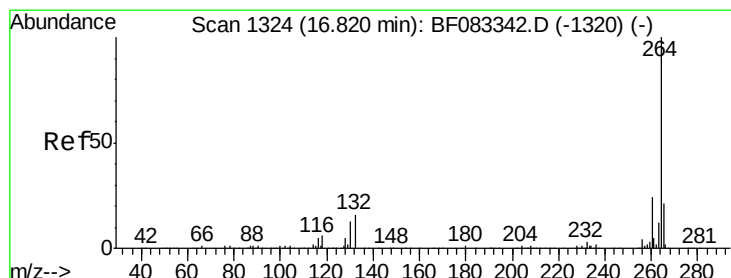
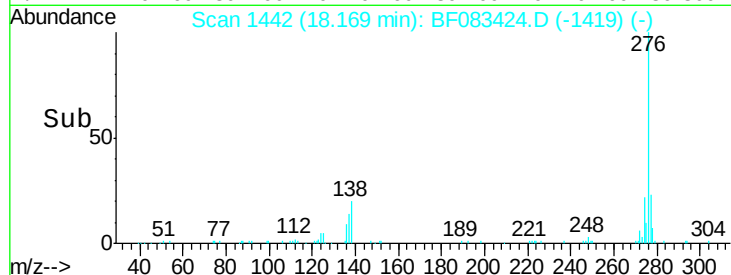
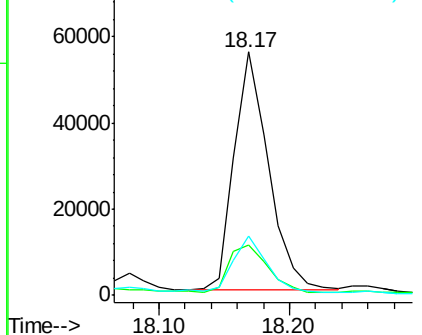
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	21.2	31.8
277	23.7	20.0	30.0

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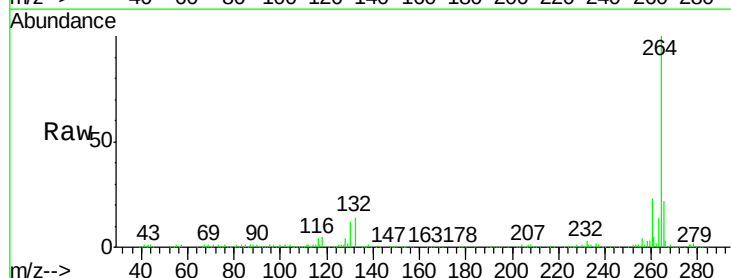


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

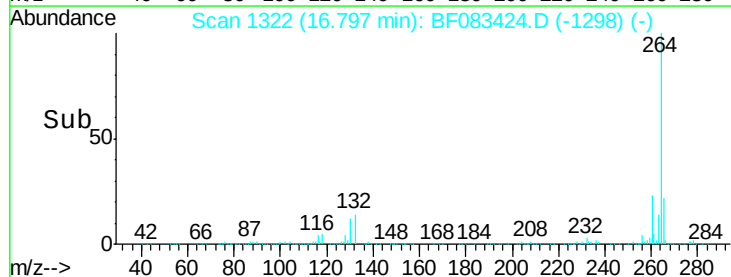
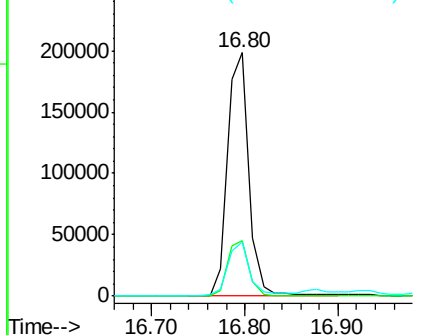


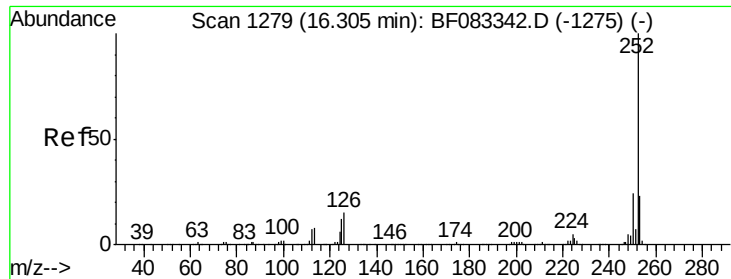
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.80 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.4
265	22.1	16.8	25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





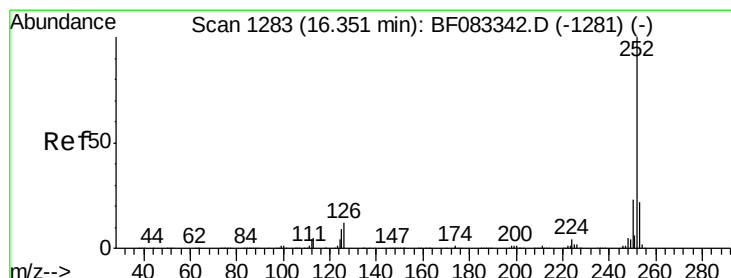
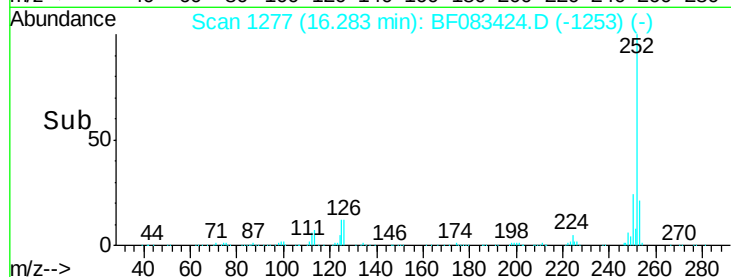
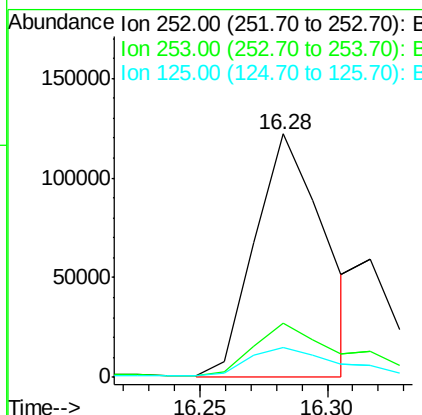
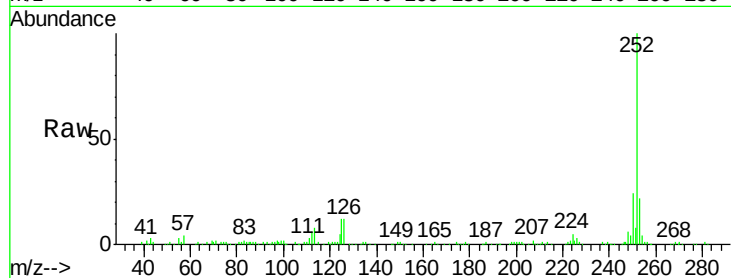
#87
Benzo(b)fluoranthene
Concen: 11.36 ng m
RT: 16.28 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	12.4	9.6	14.4

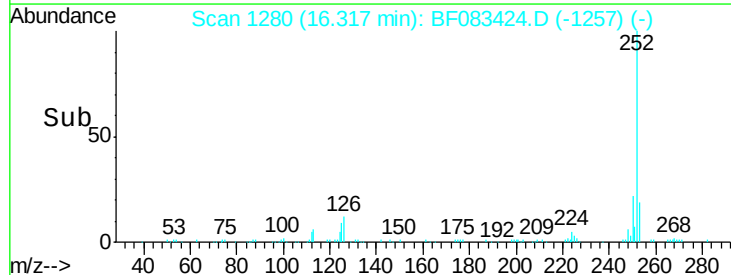
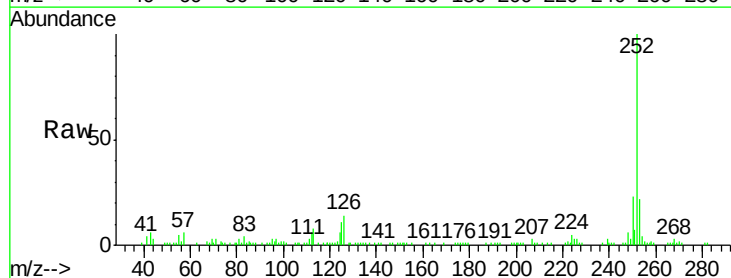
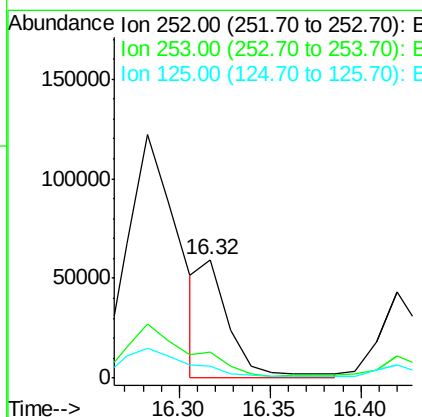
Manual Integrations
APPROVED

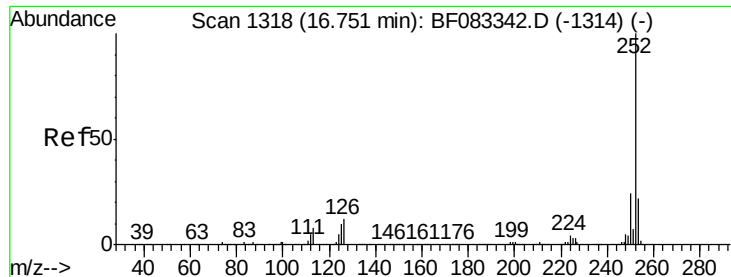
Mmdadoda
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#88
Benzo(k)fluoranthene
Concen: 3.49 ng m
RT: 16.32 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.5	7.5	11.3





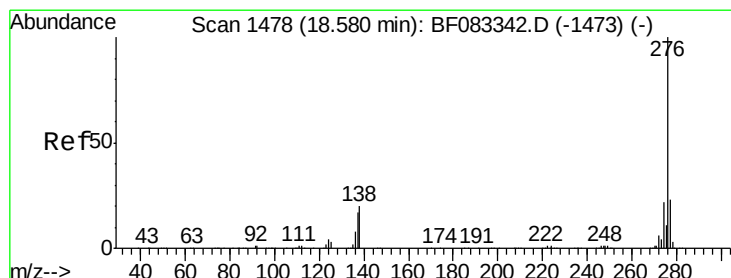
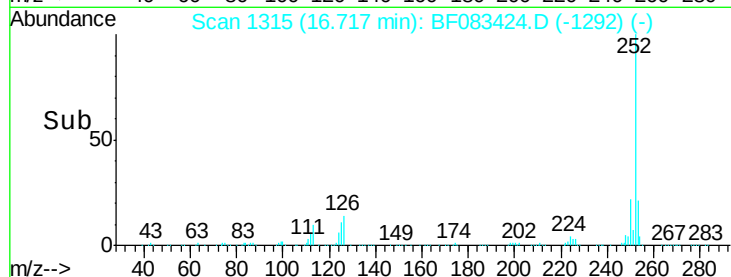
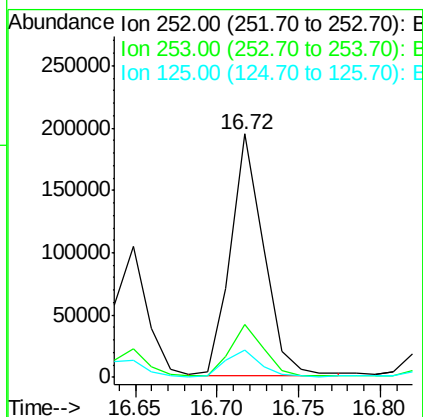
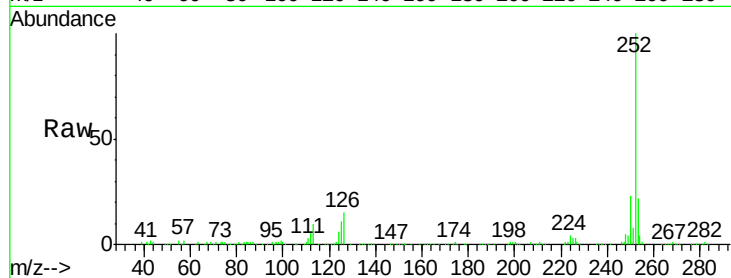
#89
Benzo(a)pyrene
Concen: 15.66 ng
RT: 16.72 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.3	7.8	11.8

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 8.22 ng
RT: 18.53 min Scan# 1474
Delta R.T. -0.05 min
Lab File: BF083424.D
Acq: 2 Dec 2015 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	22.3	16.1	24.1

