

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083444.D
 Acq On : 3 Dec 2015 5:21
 Operator : UM/IZ
 Sample : G4583-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Manual Integrations
 APPROVED

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 12/3/2015 7:10:04 PM

Quant Time: Dec 03 07:49:59 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	6.53	152	150961	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	563333	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	275292	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	458388	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	329425	20.00	ng	-0.03
86) Perylene-d12	16.80	264	339192	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1360008	135.18	ng	0.00
7) Phenol-d6	6.21	99	1893540	137.51	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1321751	103.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	342303	123.87	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1808448	93.61	ng	-0.01
78) Terphenyl-d14	13.20	244	1411004	102.15	ng	-0.02
Target Compounds						
31) Naphthalene	7.85	128	135909	4.45	ng	96
49) Dimethylphthalate	9.31	163	313217	14.00	ng	98
70) Phenanthrene	11.14	178	239770	8.84	ng	99
71) Anthracene	11.20	178	63690	2.33	ng	97
74) Fluoranthene	12.64	202	459352	16.34	ng	96
77) Pyrene	12.95	202	496076	21.56	ng	97
80) Benzo(a)anthracene	14.72	228	222917	11.05	ng	97
82) Chrysene	14.76	228	201545	10.34	ng	97
85) Indeno(1,2,3-cd)pyrene	18.17	276	105800	7.45	ng	# 92
87) Benzo(b)fluoranthene	16.28	252	253387m	11.64	ng	
88) Benzo(k)fluoranthene	16.32	252	71281m	3.47	ng	
89) Benzo(a)pyrene	16.72	252	168155	9.00	ng	# 97
91) Benzo(a,h,i)perylene	18.55	276	106284	6.65	ng	100

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

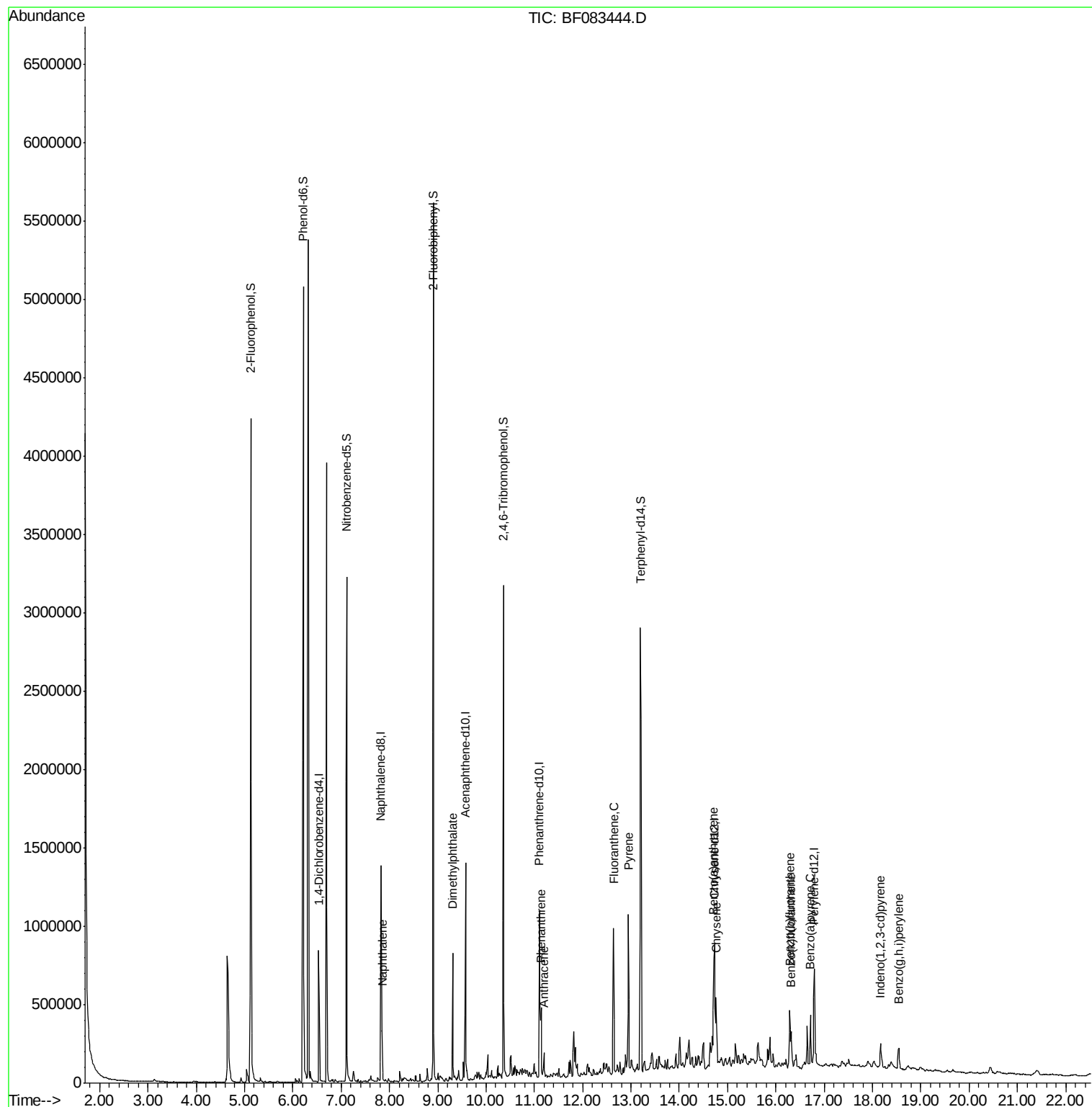
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083444.D
Acq On : 3 Dec 2015 5:21
Operator : UM/IZ
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BNA_F
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SB-P3WC-05(0-6)

Manual Integrations
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12/3/2015 7:10:04 PM

Quant Time: Dec 03 07:49:59 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

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

Tot Ion:152 Resp: 150961

Ion Ratio Lower Upper

152 100

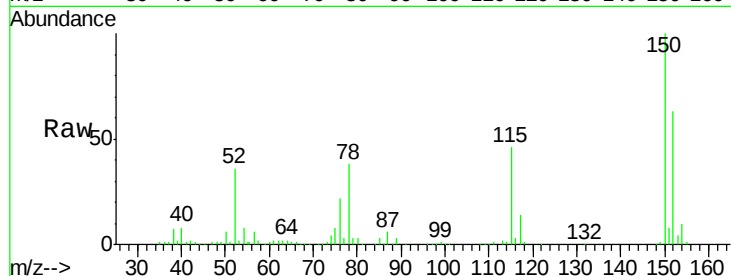
150 159.3 129.8 194.8

115 72.5 59.2 88.8

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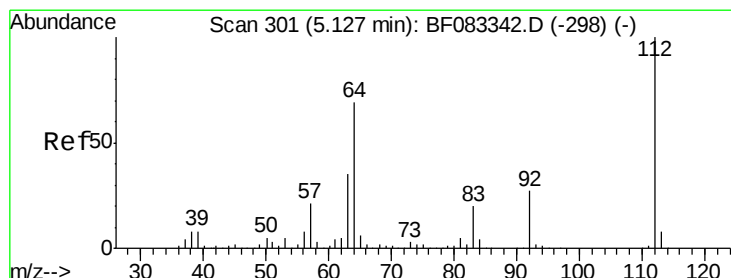
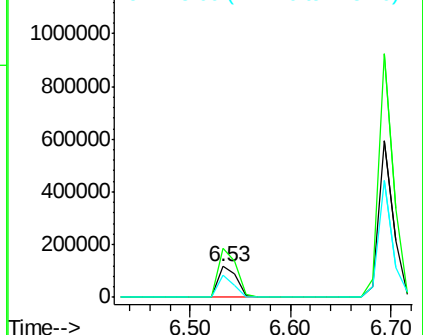
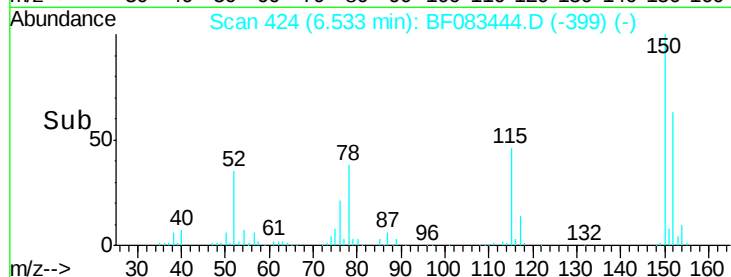
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 135.18 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

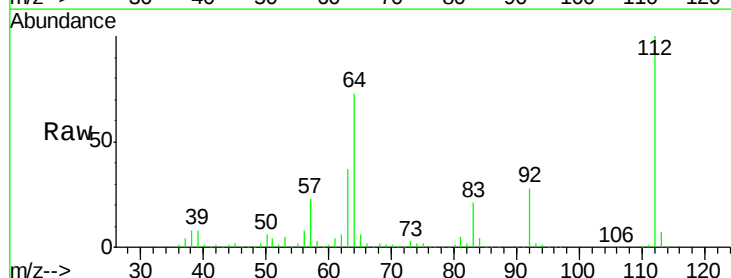
Tgt Ion:112 Resp: 1360008

Ion Ratio Lower Upper

112 100

64 72.7 55.6 83.4

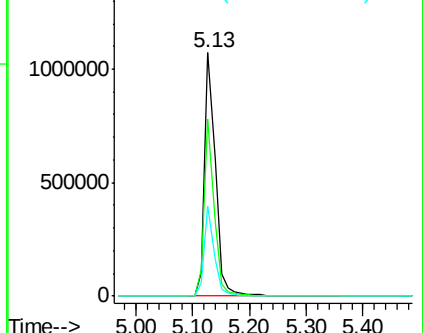
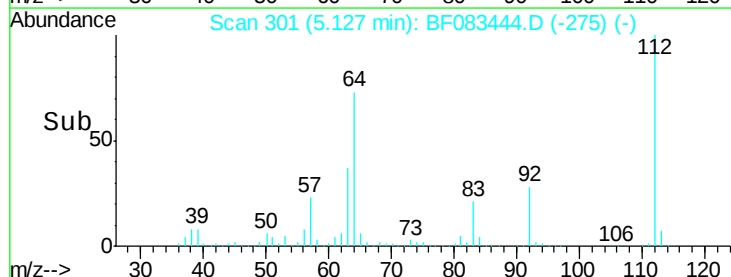
63 37.0 28.2 42.2



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: 137.51 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

Tot Ion: 99 Resp: 1893540

Ion Ratio Lower Upper

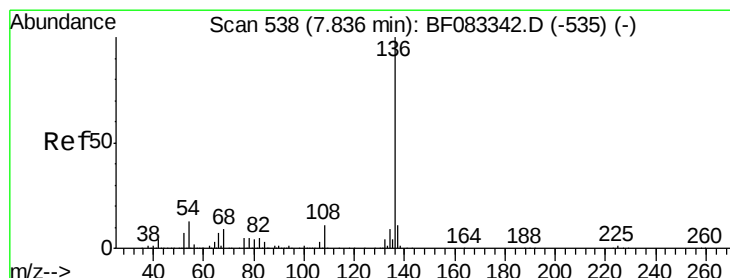
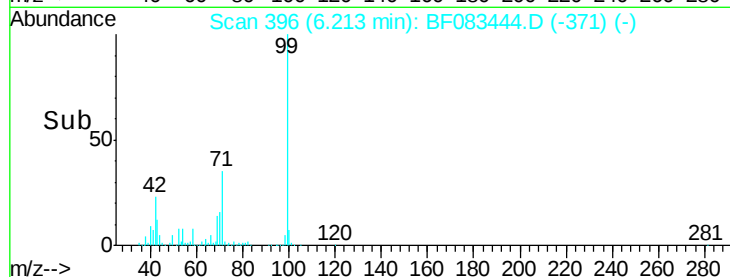
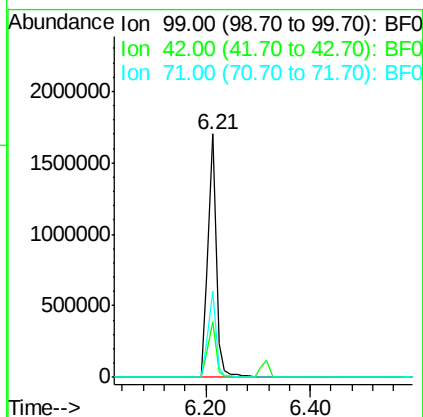
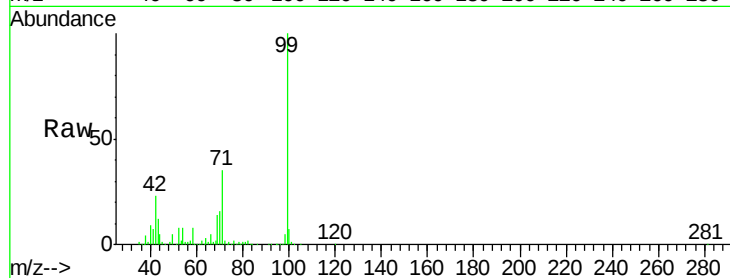
99 100

42 22.6 14.9 22.3#

71 35.3 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Tgt Ion: 136 Resp: 563333

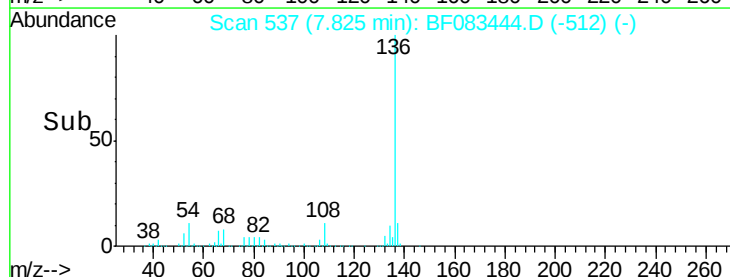
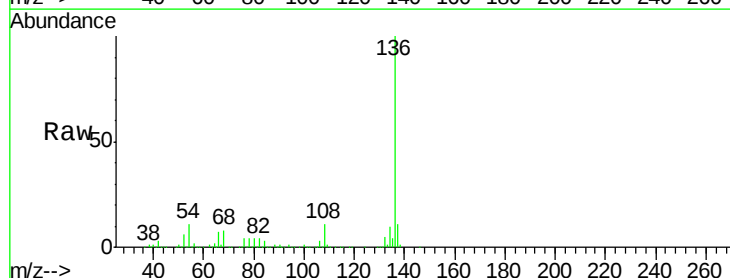
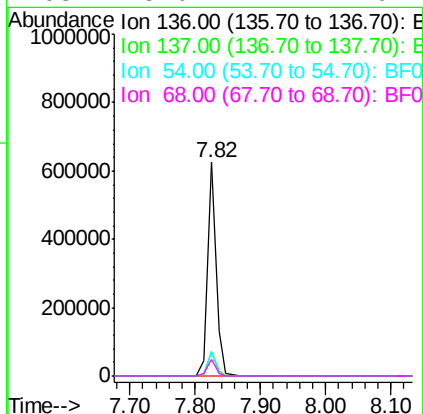
Ion Ratio Lower Upper

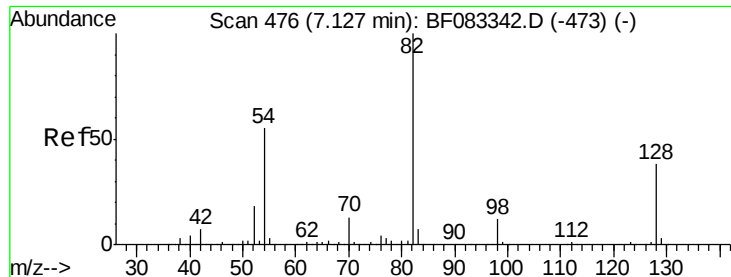
136 100

137 11.5 9.0 13.4

54 11.2 10.1 15.1

68 8.0 7.1 10.7





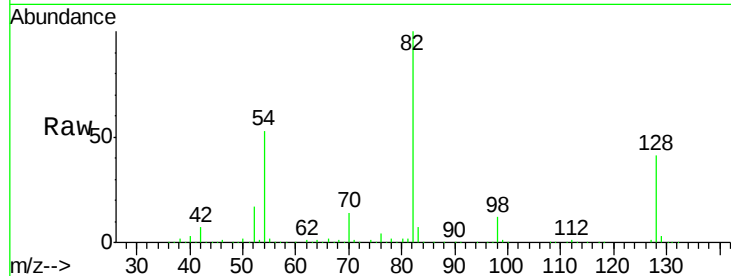
#23
 Nitrobenzene-d5
 Concen: 103.14 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Instrument :
 BNA_F
 ClientSampleId :
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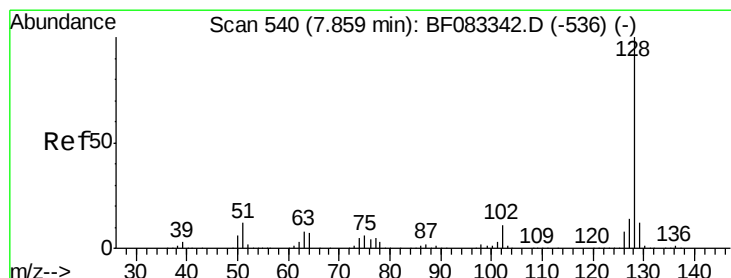
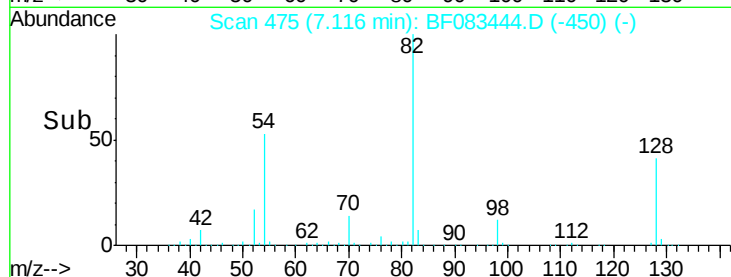
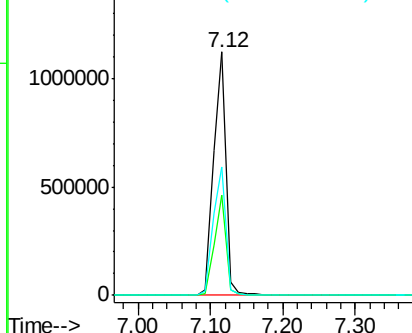
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	30.6	46.0
54	52.6	43.8	65.6

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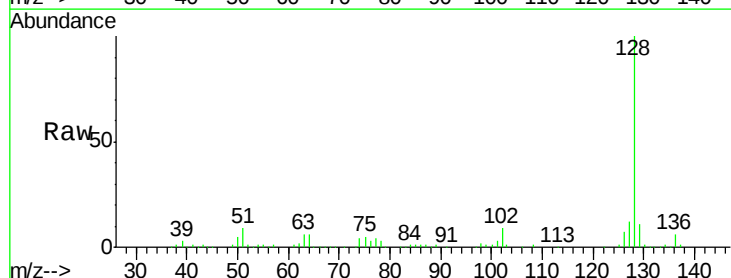


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

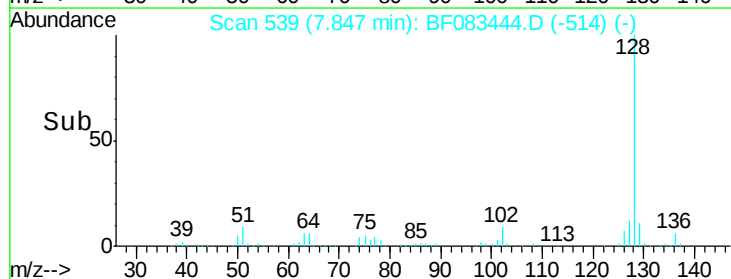
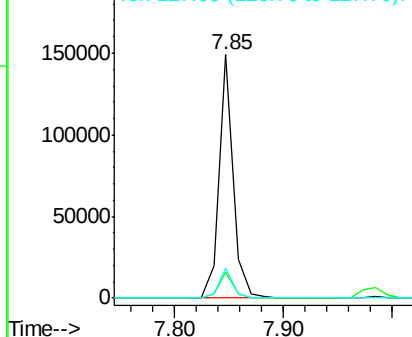


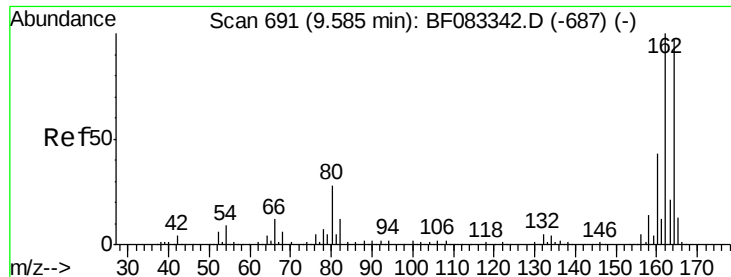
#31
 Naphthalene
 Concen: 4.45 ng
 RT: 7.85 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.7	14.5
127	12.2	11.0	16.4



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083444.D

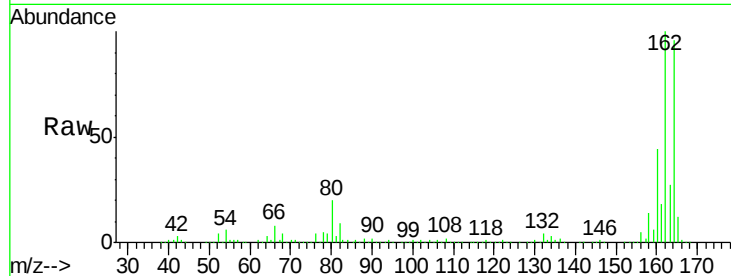
Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

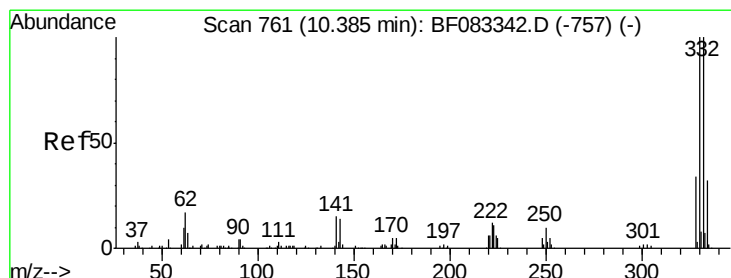
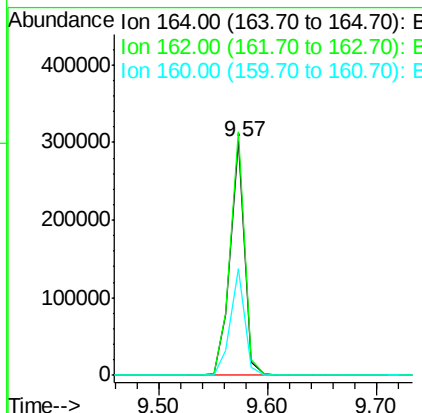
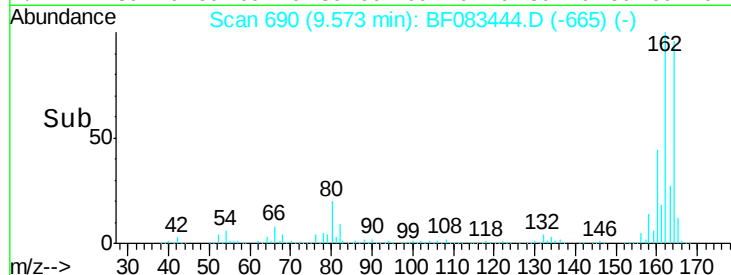
SB-P3WC-05(0-6)



Tot Ion	164	Resp	275292
Ion Ratio	Lower	Upper	
164	100		
162	104.0	82.6	123.8
160	45.4	35.3	52.9

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#41

2,4,6-Tribromophenol

Concen: 123.87 ng

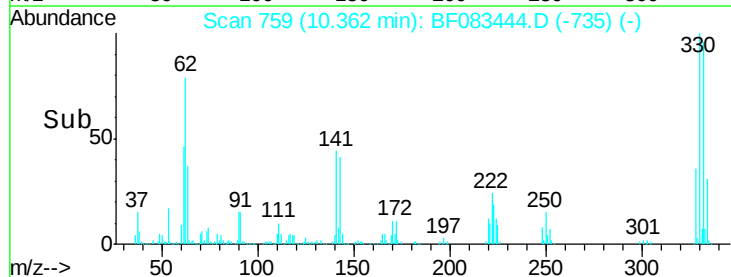
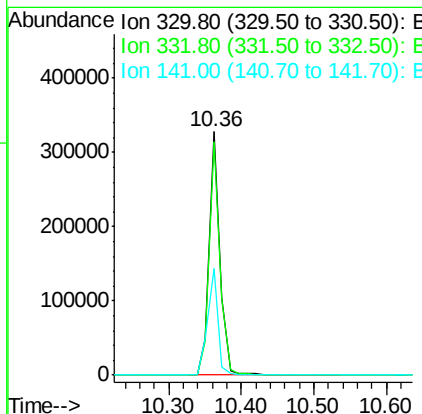
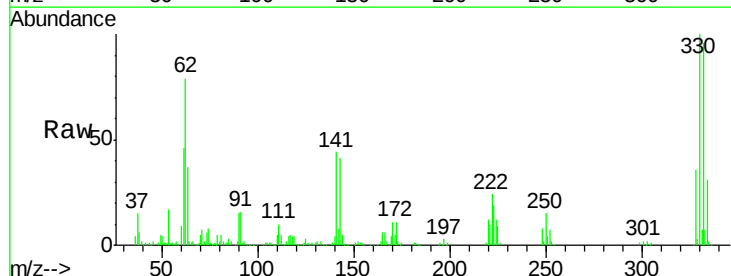
RT: 10.36 min Scan# 759

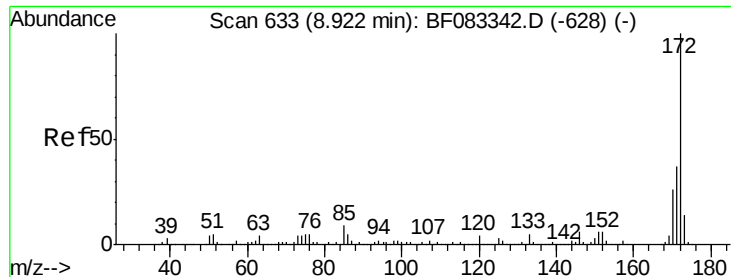
Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Tgt Ion	330	Resp	342303
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.8	116.6
141	41.2	29.4	44.0





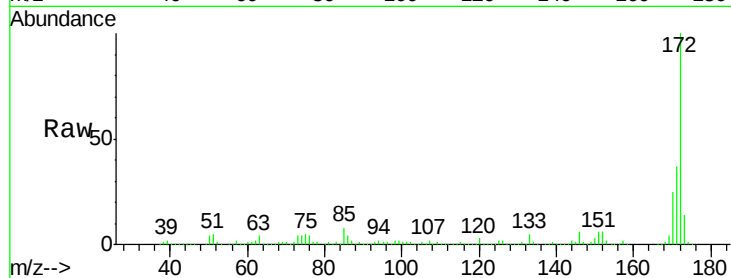
#44
2-Fluorobiphenyl
Concen: 93.61 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

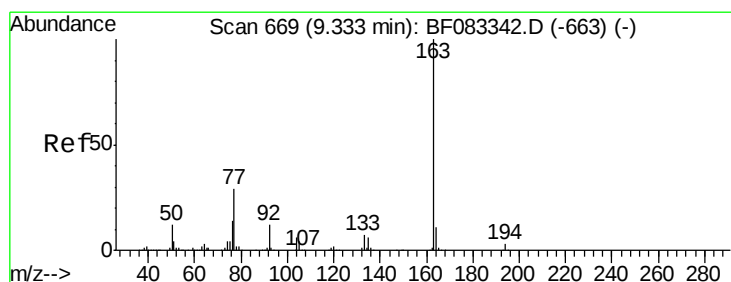
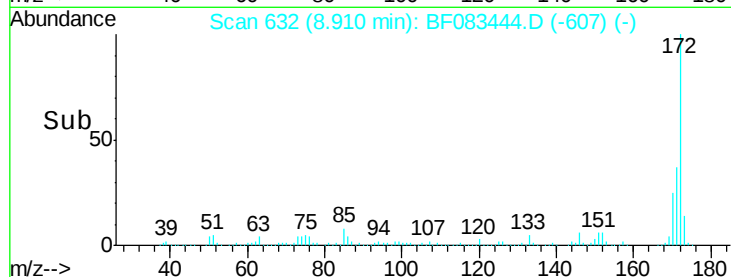
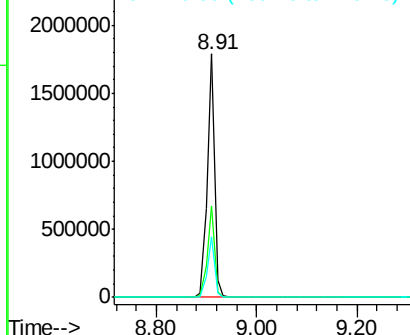
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.4	29.4	44.0	
170	25.1	20.4	30.6	

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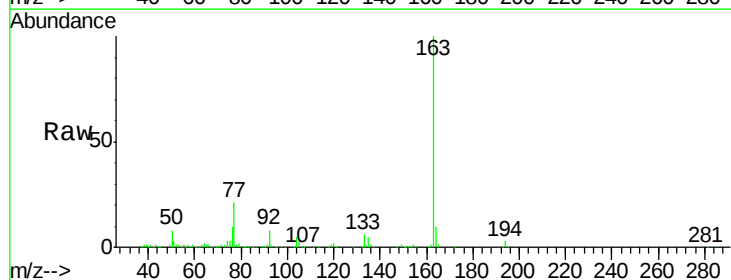


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

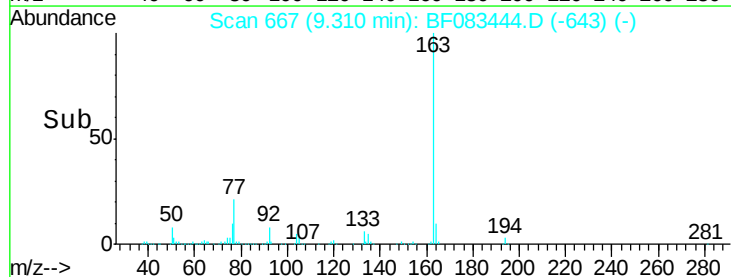
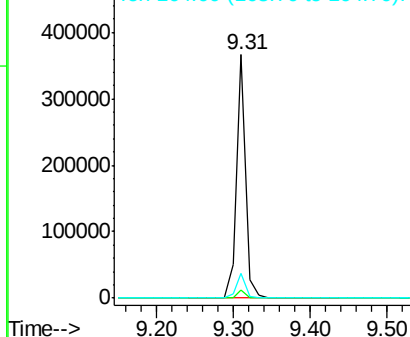


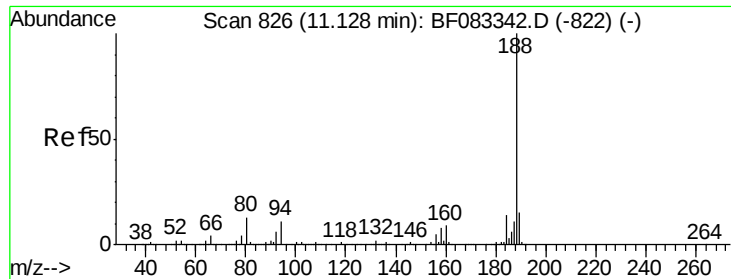
#49
Dimethylphthalate
Concen: 14.00 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.3	2.7	4.1	
164	9.9	8.8	13.2	



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: 11.10 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

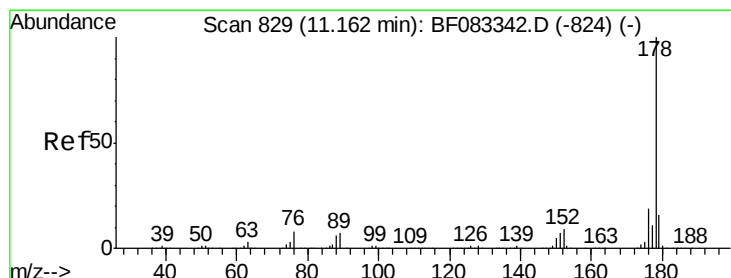
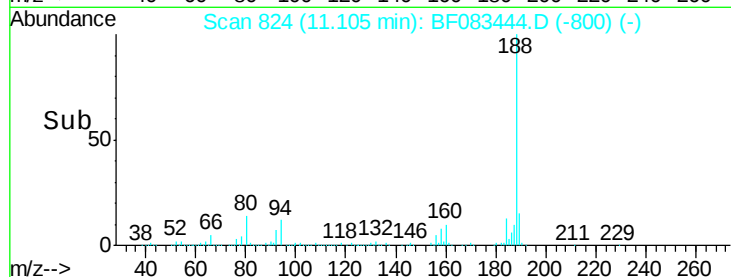
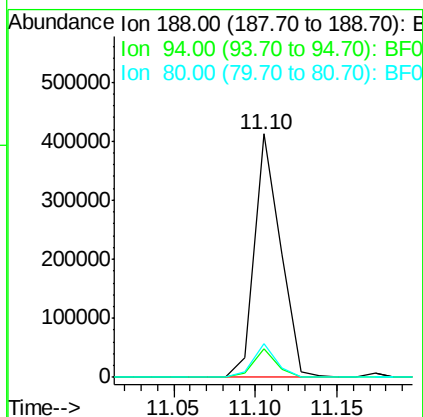
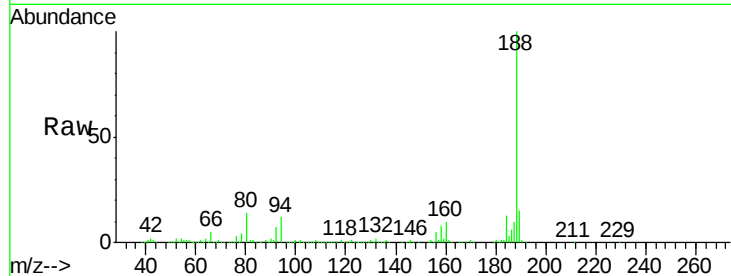
ClientSampleId :

SB-P3WC-05(0-6)

Tot Ion:	188	Resp:	458388
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.7	13.1
80	13.7	10.3	15.5

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#70

Phenanthrene

Concen: 8.84 ng

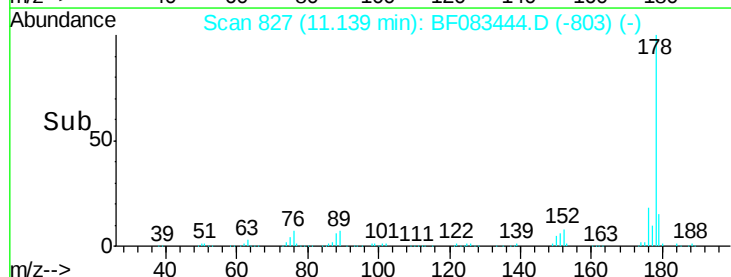
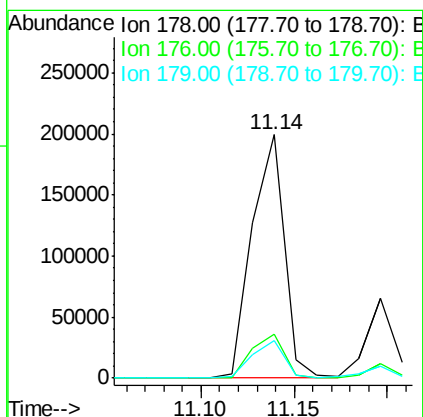
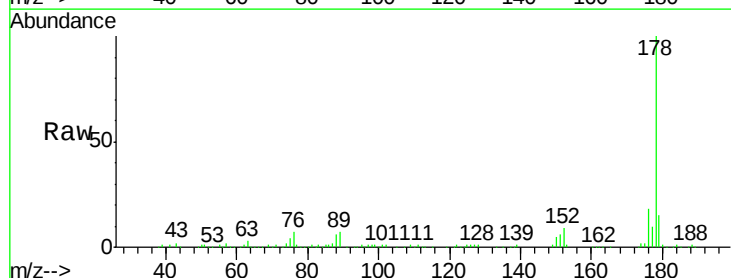
RT: 11.14 min Scan# 827

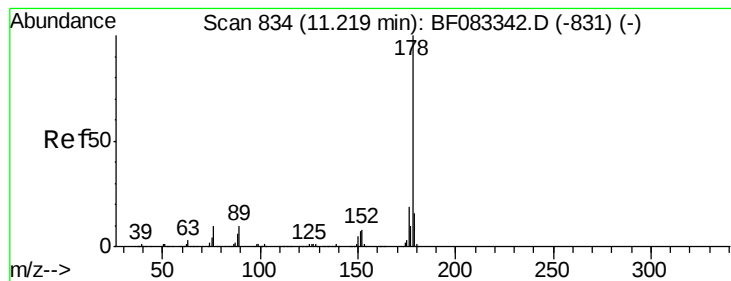
Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Tgt Ion:	178	Resp:	239770
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.3	22.9
179	15.2	12.4	18.6





#71

Anthracene

Concen: 2.33 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

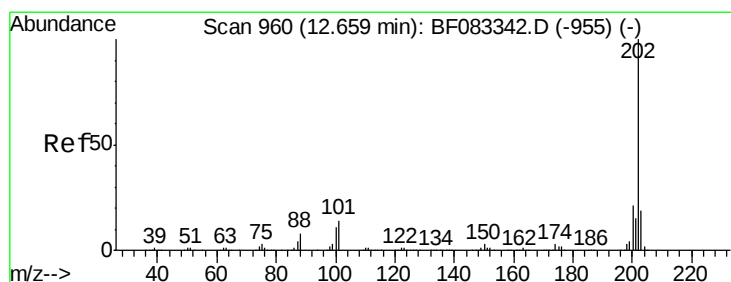
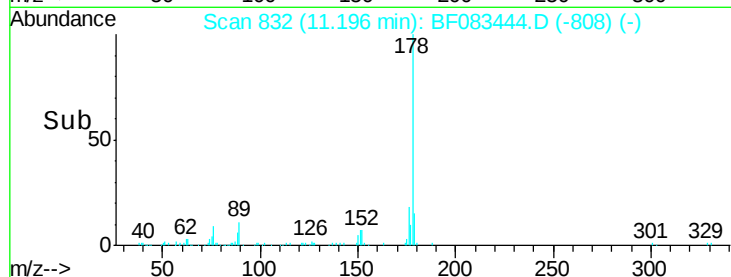
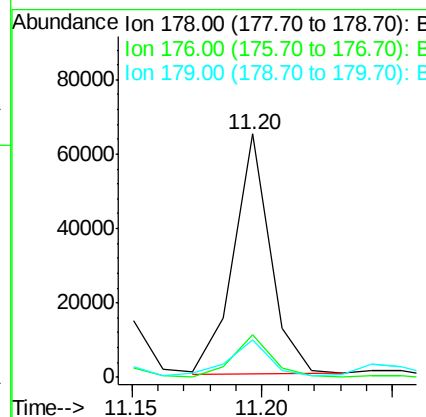
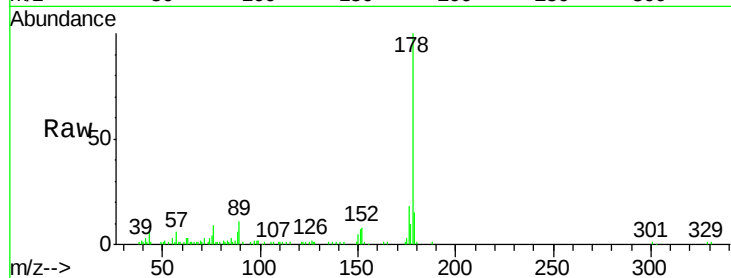
ClientSampleId :

SB-P3WC-05(0-6)

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Tot Ion:	178	Resp:	63690
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.6	23.4
179	15.5	12.8	19.2



#74

Fluoranthene

Concen: 16.34 ng

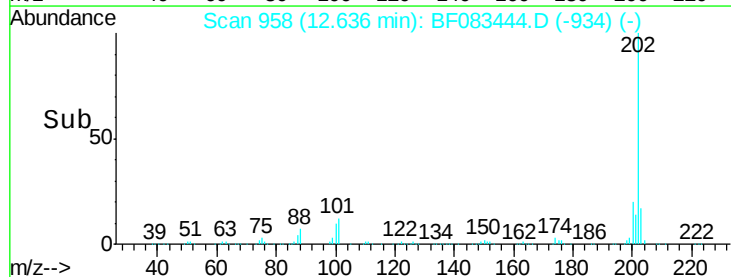
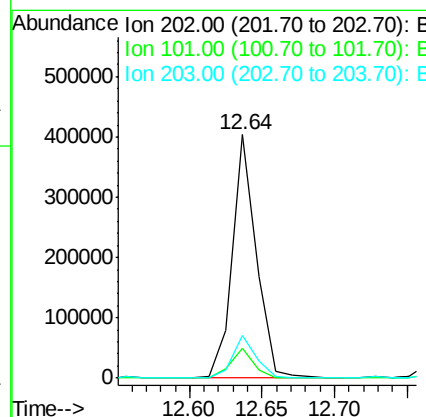
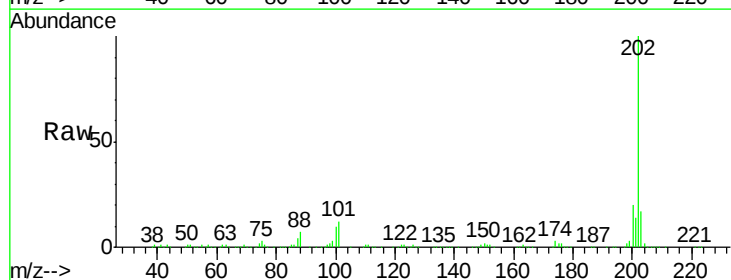
RT: 12.64 min Scan# 958

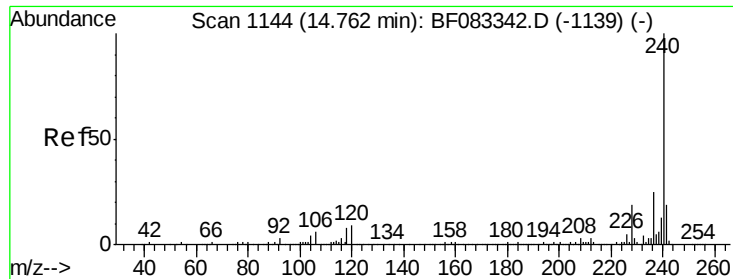
Delta R.T. -0.02 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Tgt Ion:	202	Resp:	459352
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.5
203	17.4	0.0	38.7





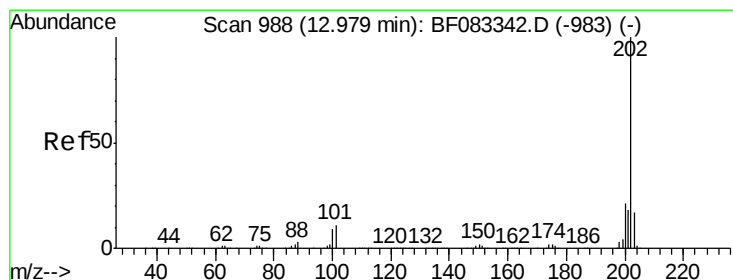
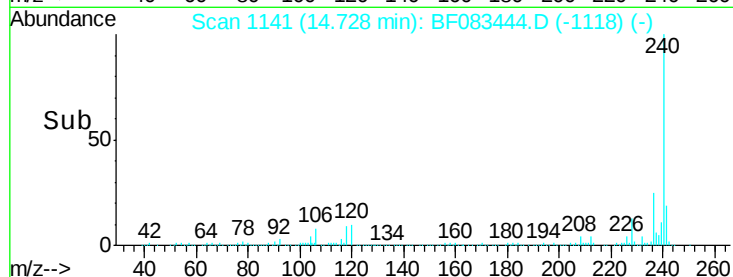
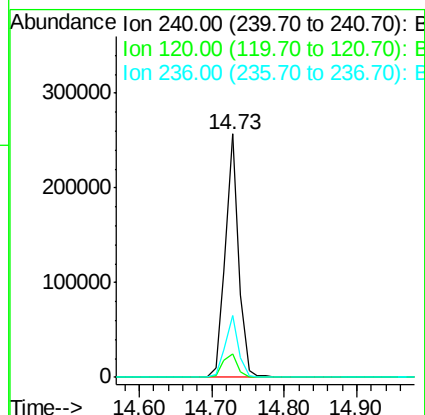
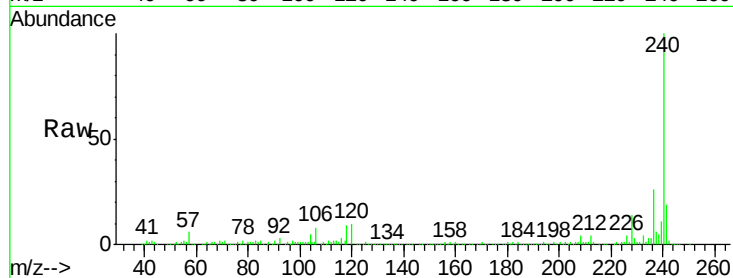
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	6.9	10.3
236	25.6	19.8	29.6

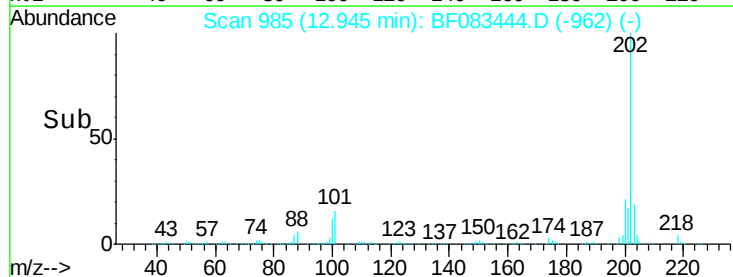
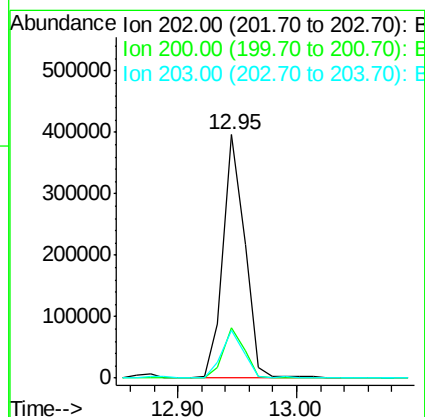
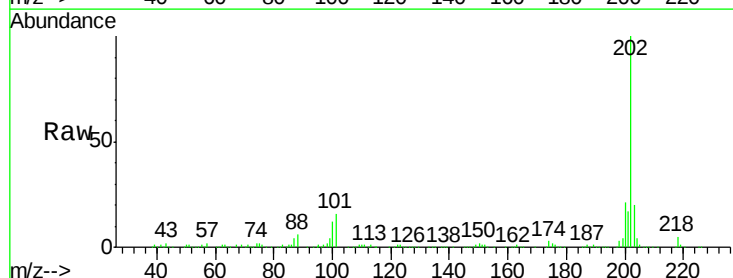
Manual Integrations
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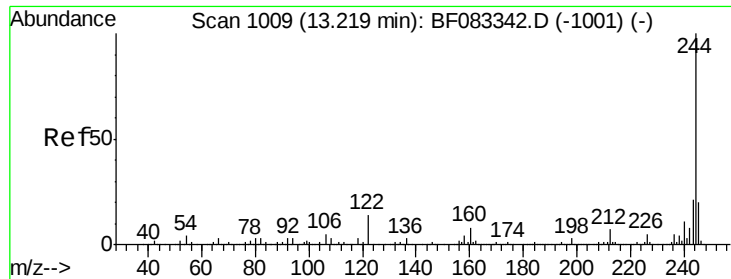
Mmdadoda
12/3/2015 7:10:04 PM



#77
Pyrene
Concen: 21.56 ng
RT: 12.95 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.9	25.3
203	19.6	13.9	20.9





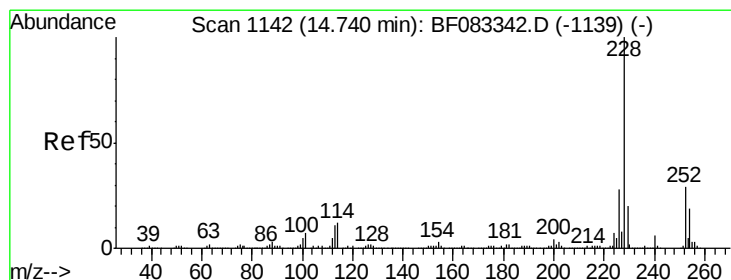
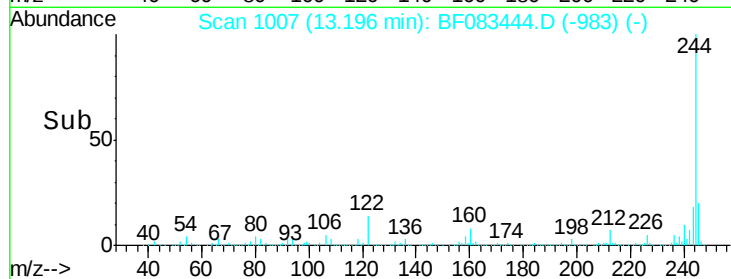
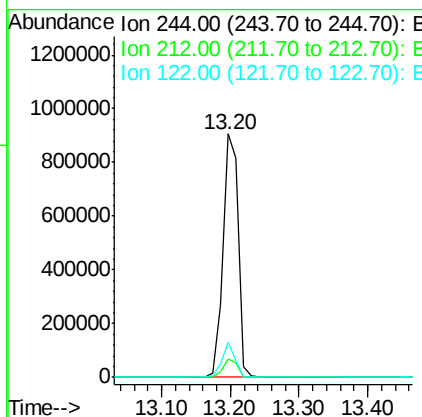
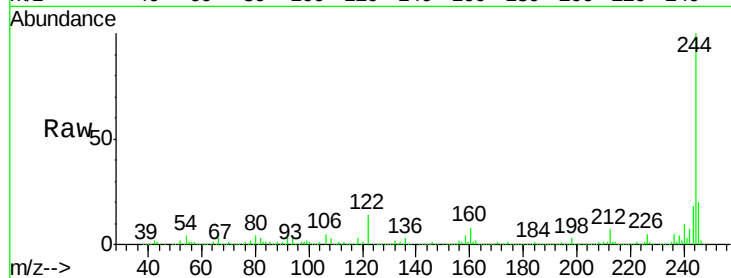
#78
 Terphenyl-d14
 Concen: 102.15 ng
 RT: 13.20 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Manual Integrations
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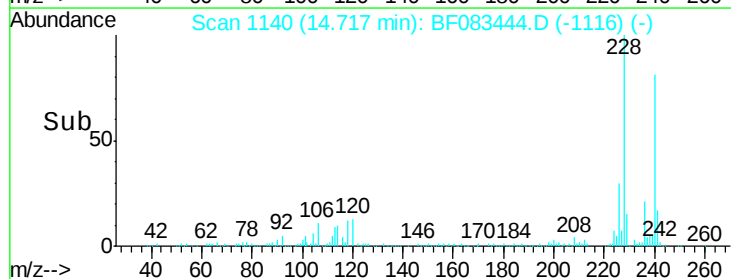
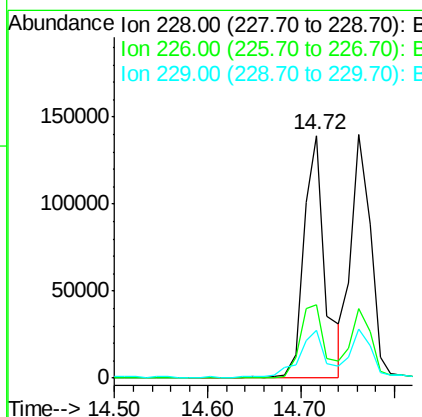
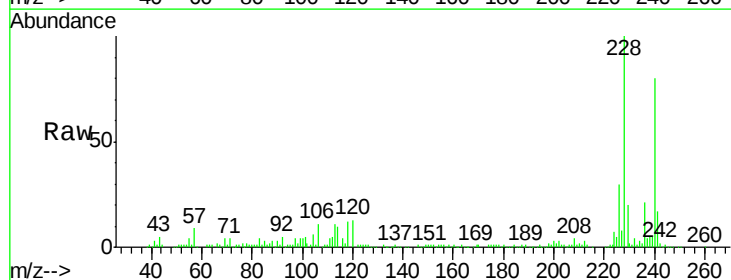
Mmdadoda
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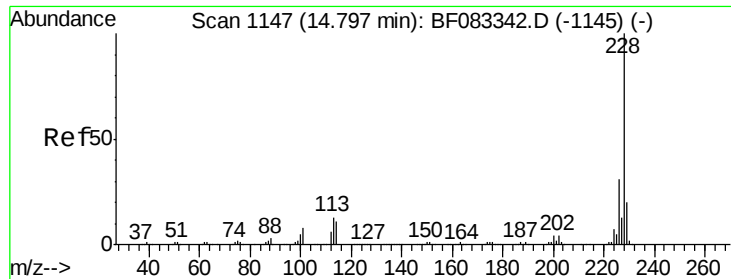
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	14.3	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 11.05 ng
 RT: 14.72 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BF083444.D
 Acq: 3 Dec 2015 5:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.2	33.4
229	19.8	16.1	24.1





#82

Chrysene

Concen: 10.34 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

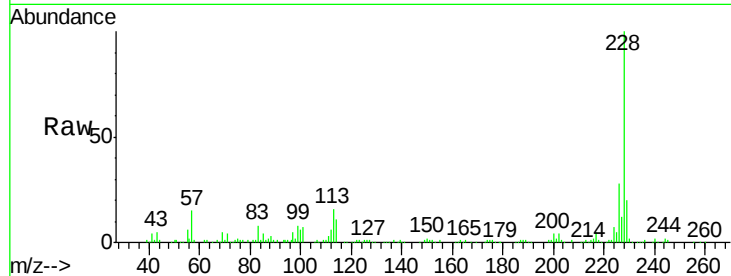
ClientSampleId :

SB-P3WC-05(0-6)

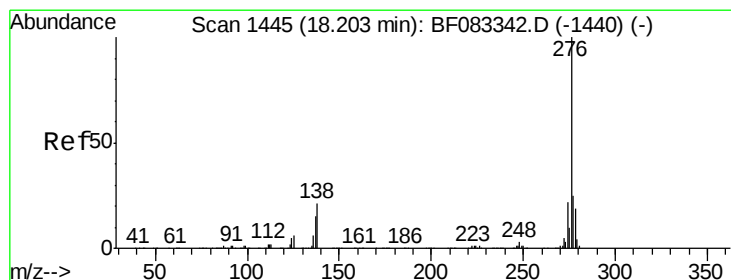
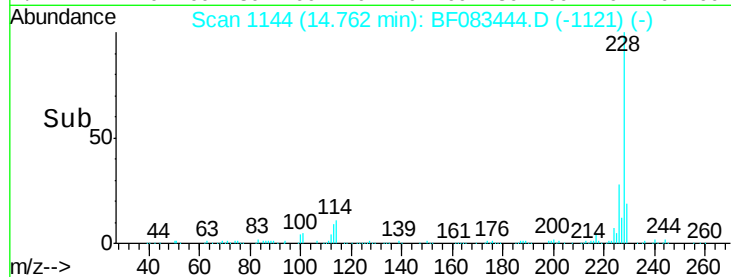
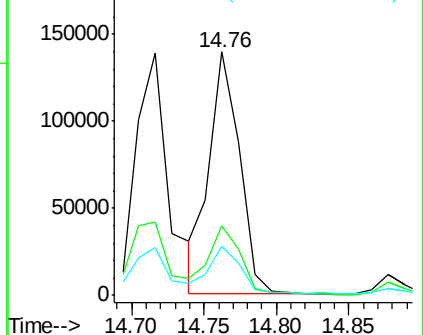
Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		201545		
226	28.4	24.6	37.0		
229	20.2	16.2	24.2		

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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: 7.45 ng

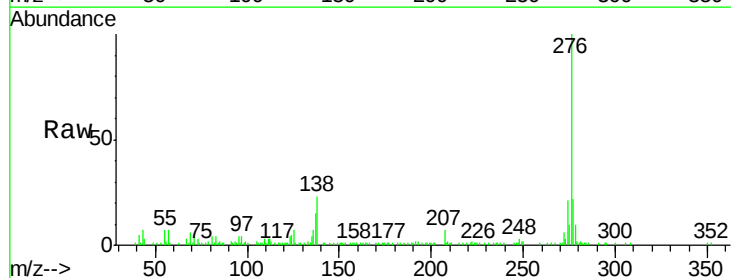
RT: 18.17 min Scan# 1442

Delta R.T. -0.03 min

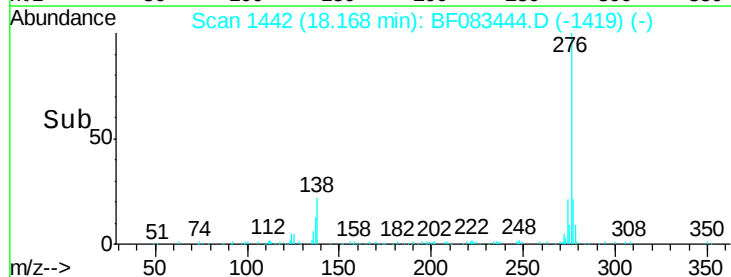
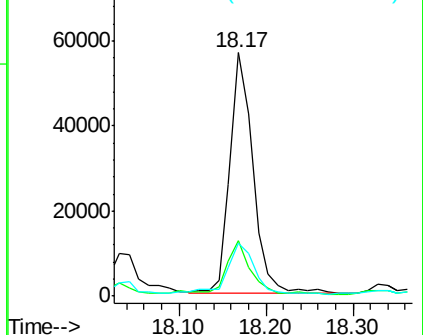
Lab File: BF083444.D

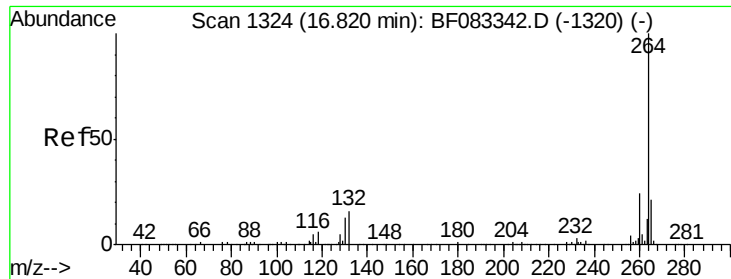
Acq: 3 Dec 2015 5:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		105800		
138	20.4	21.2	31.8#		
277	23.6	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





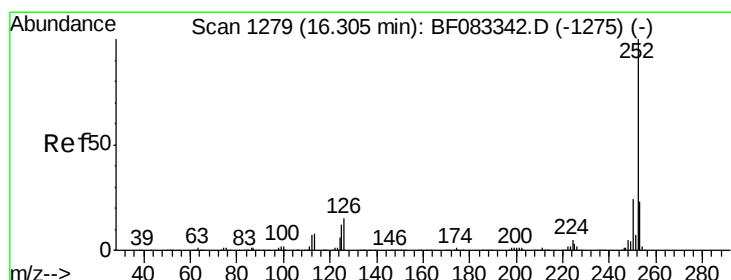
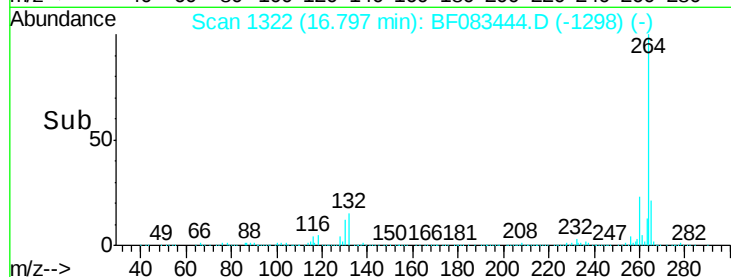
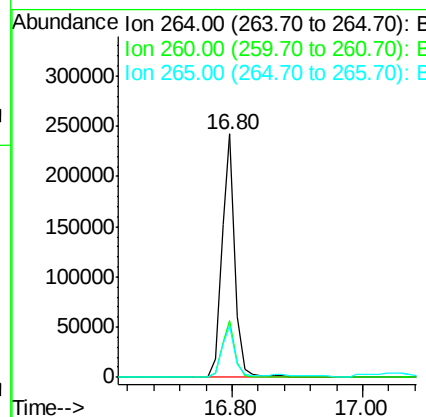
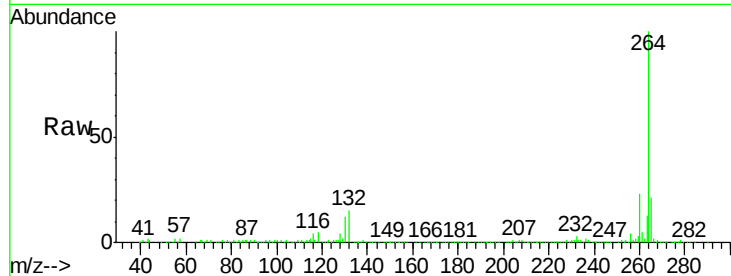
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.80 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.3	16.8	25.2

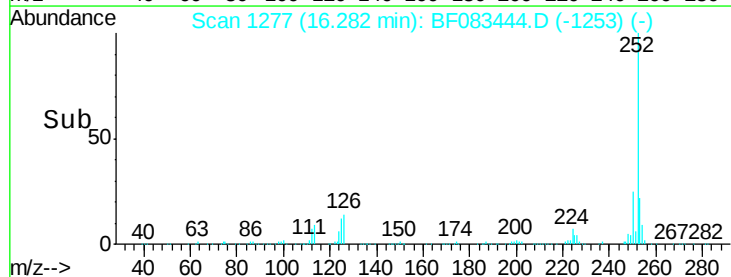
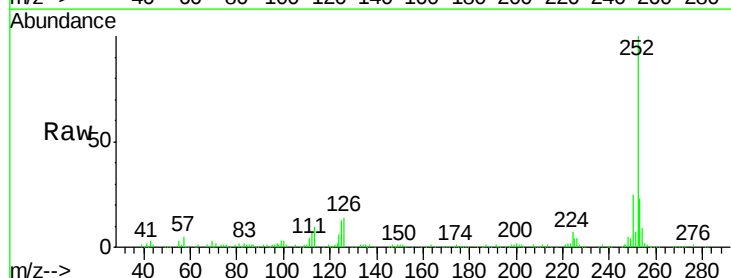
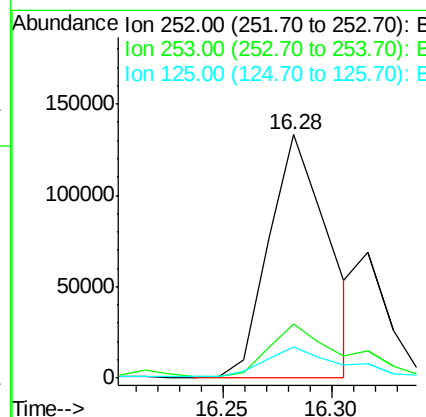
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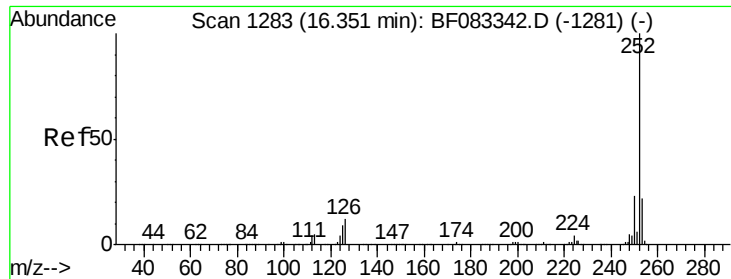
Mmdadoda
12/3/2015 7:10:04 PM



#87
Benzo(b)fluoranthene
Concen: 11.64 ng m
RT: 16.28 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	12.5	9.6	14.4





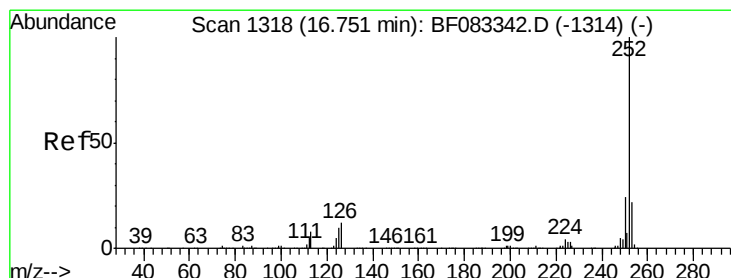
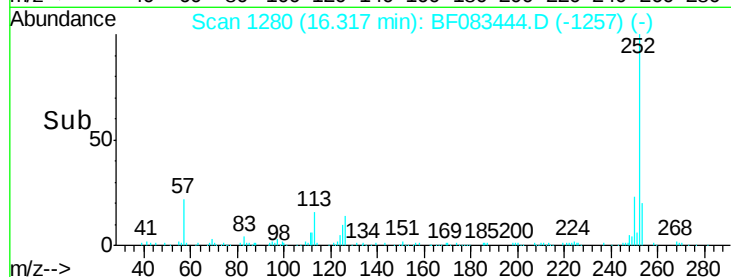
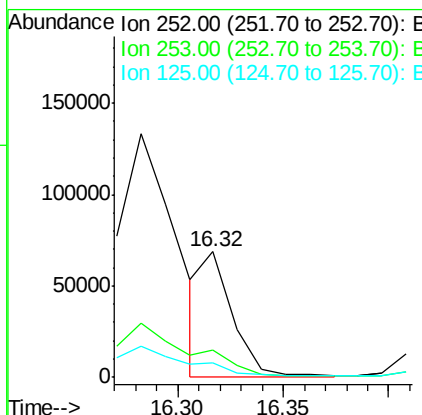
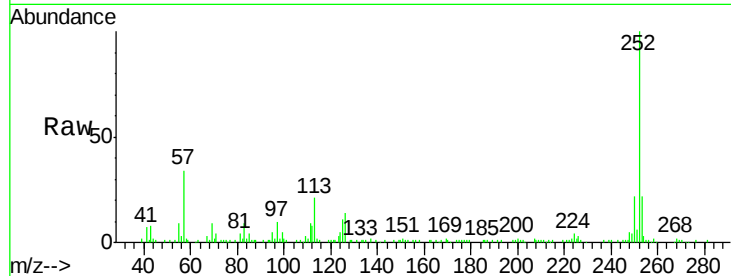
#88
Benzo(k)fluoranthene
Concen: 3.47 ng m
RT: 16.32 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	11.2	7.5	11.3

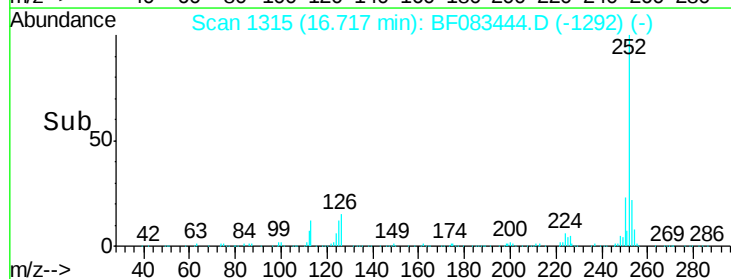
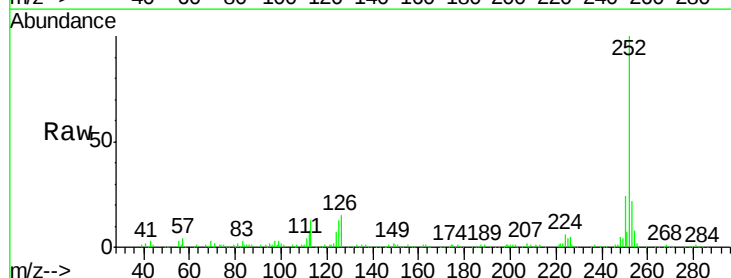
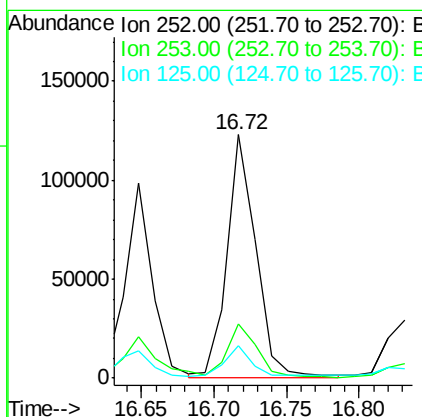
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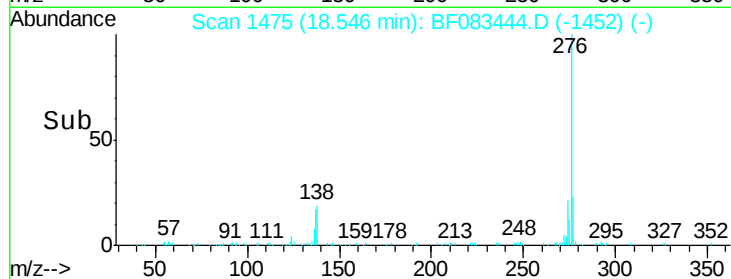
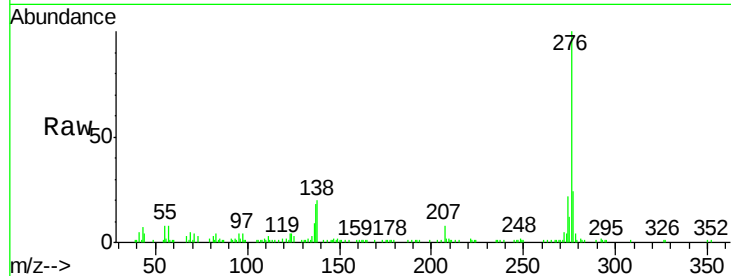
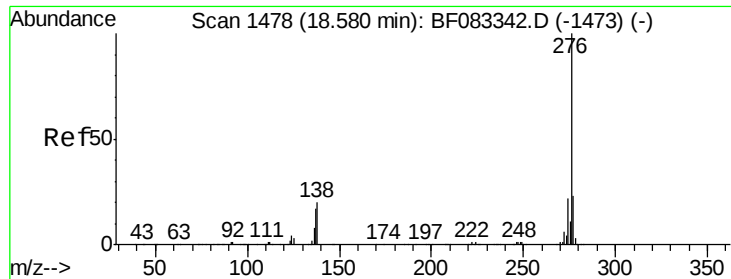
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12/3/2015 7:10:04 PM



#89
Benzo(a)pyrene
Concen: 9.00 ng
RT: 16.72 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF083444.D
Acq: 3 Dec 2015 5:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.1	7.8	11.8





#91

Benzo(a,h,i)perylene

Concen: 6.65 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083444.D

Acq: 3 Dec 2015 5:21

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

Tot Ion:	276	Resp:	106284
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	28.0
138	20.2	16.1	24.1

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