

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083665.D
 Acq On : 10 Dec 2015 4:45
 Operator : UM/IZ
 Sample : G4583-06DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-06(0-5)DL

Manual Integrations
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 12/10/2015 5:50:30 PM

Quant Time: Dec 10 06:29:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	130323	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	505960	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	232476	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	364853	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	298156	20.00	ng	-0.01
86) Perylene-d12	18.63	264	244885	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	423765	49.32	ng	-0.01
7) Phenol-d6	5.25	99	657036	57.23	ng	-0.02
23) Nitrobenzene-d5	6.51	82	422094	38.93	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	63557	30.69	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	691711	41.88	ng	-0.02
78) Terphenyl-d14	15.38	244	483167	38.13	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.61	128	1521880	56.79	ng	99
37) 2-Methylnaphthalene	8.72	142	300509	17.85	ng	99
45) 1,1'-Biphenyl	9.48	154	62017	3.07	ng	96
49) Dimethylphthalate	10.01	163	80457	4.35	ng	99
51) Acenaphthene	10.42	154	189440	13.15	ng	98
57) Fluorene	11.25	166	93802	5.38	ng	99
70) Phenanthrene	12.80	178	455036	21.71	ng	98
71) Anthracene	12.90	178	111917	5.15	ng	97
74) Fluoranthene	14.73	202	155566	7.25	ng	98
77) Pyrene	15.08	202	212769	9.91	ng	98
80) Benzo(a)anthracene	16.97	228	70576	4.04	ng	# 70
82) Chrysene	17.01	228	59517	3.40	ng	95
87) Benzo(b)fluoranthene	18.26	252	38588m	2.77	ng	
89) Benzo(a)pyrene	18.58	252	39724	2.92	ng	98

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

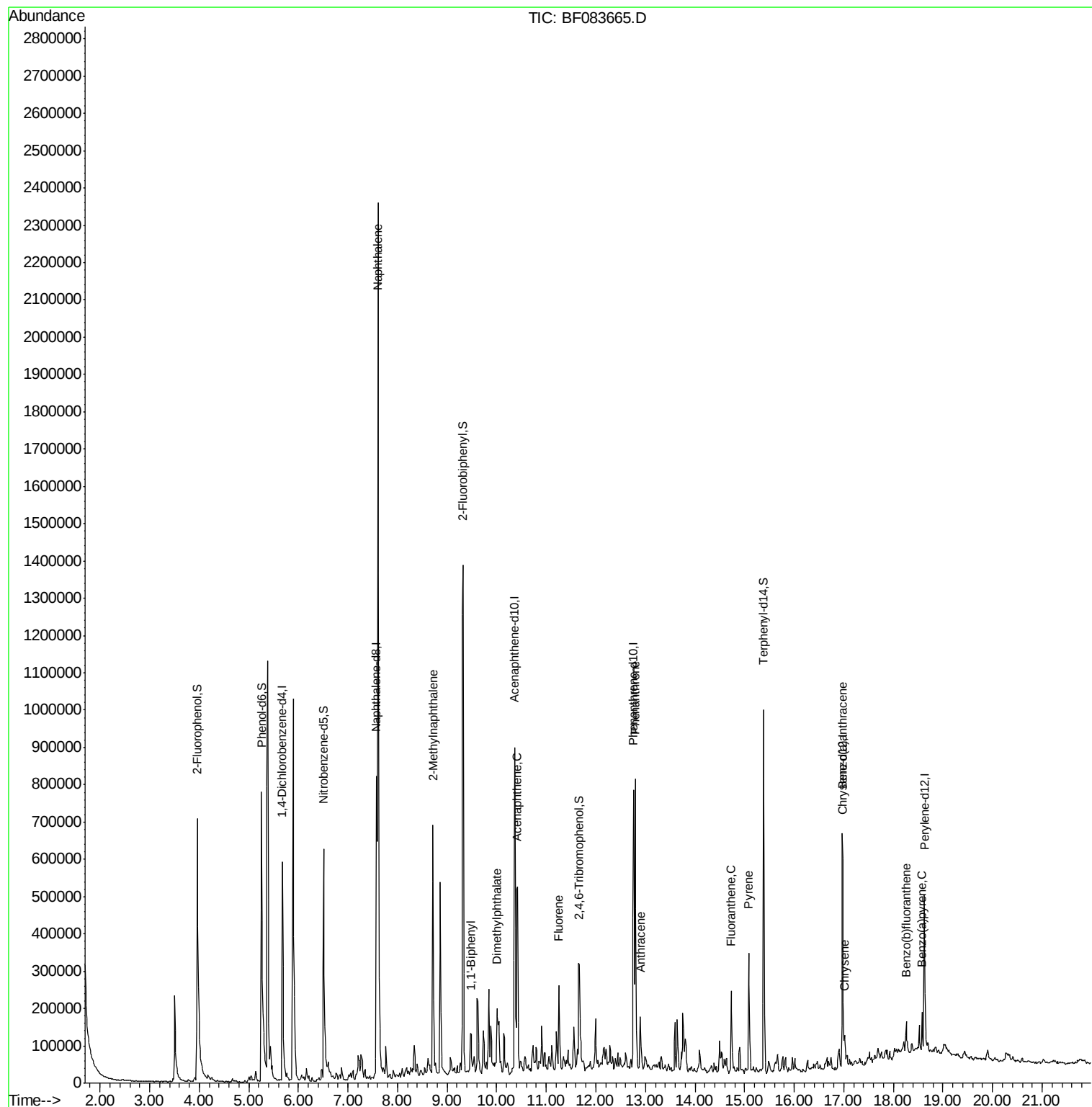
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083665.D
Acq On : 10 Dec 2015 4:45
Operator : UM/IZ
Sample : G4583-06DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

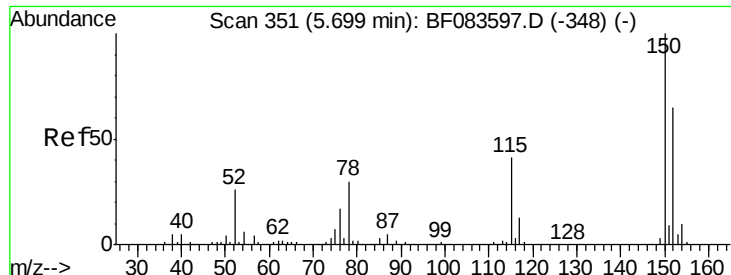
Instrument :
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SB-P3WC-06(0-5)DL

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#1

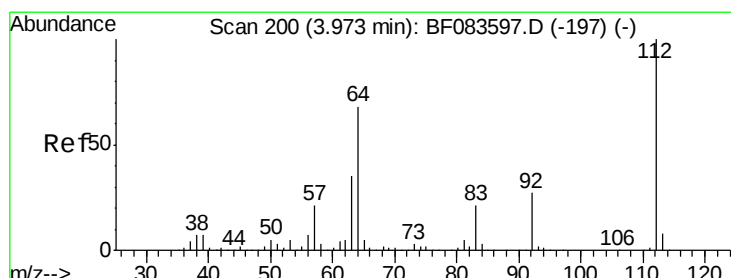
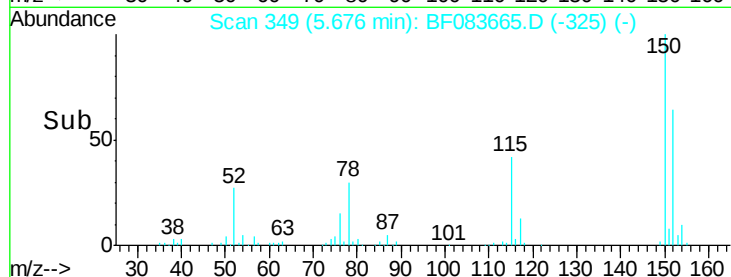
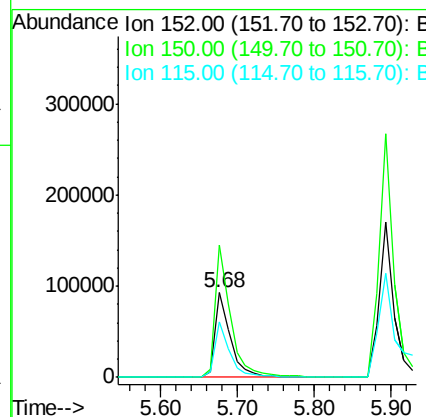
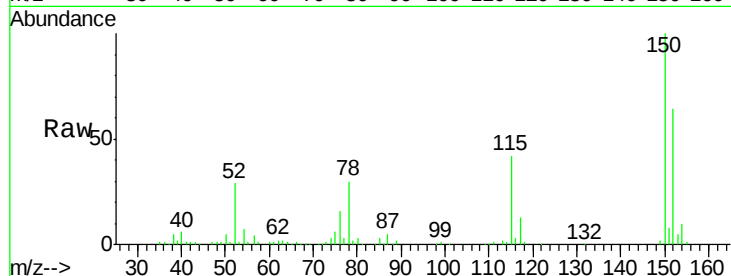
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(0-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.5	189.7
115	65.3	52.3	78.5

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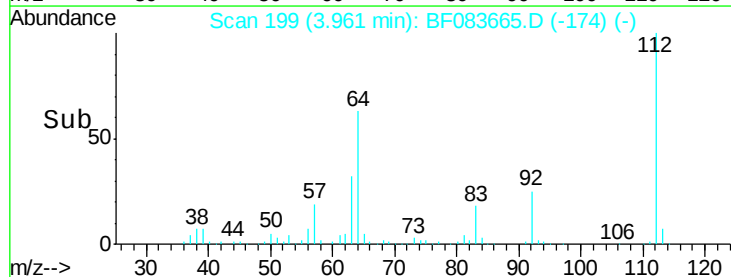
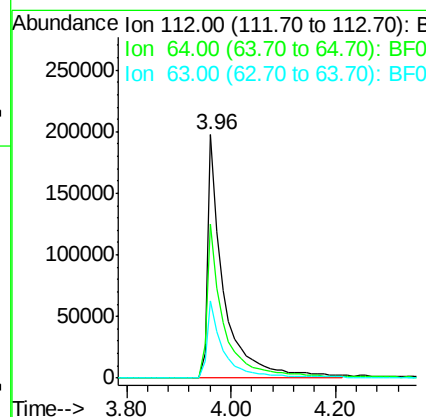
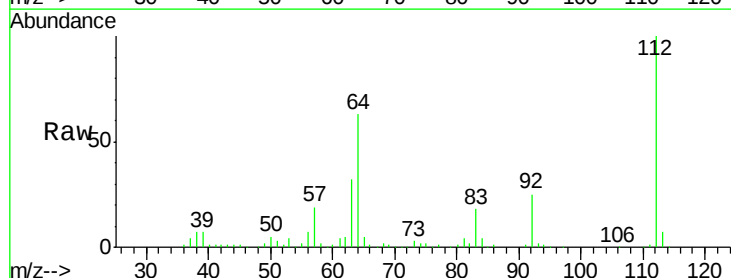
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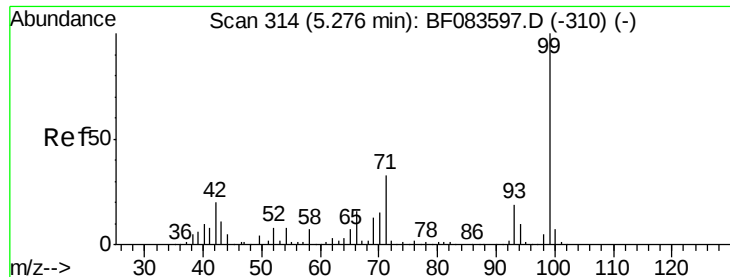


#5

2-Fluorophenol
Concen: 49.32 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	50.5	75.7
63	31.6	25.8	38.6





#7

Phenol-d6

Concen: 57.23 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Instrument :

BNA_F

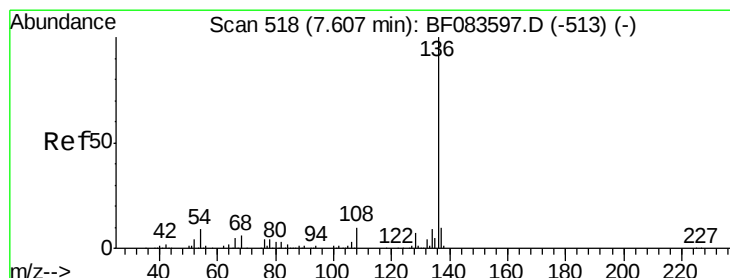
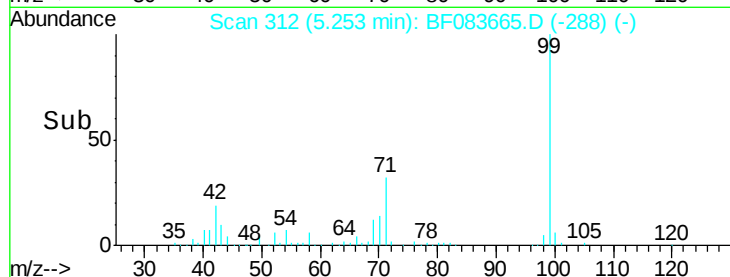
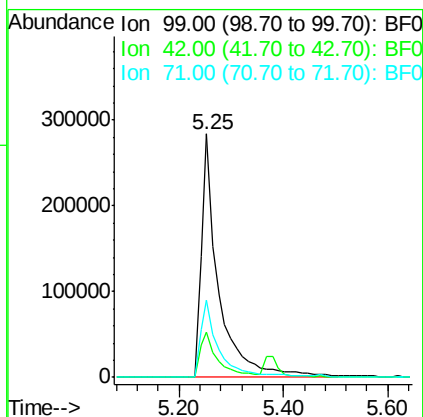
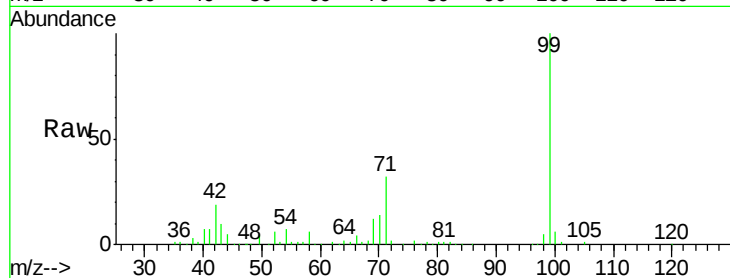
ClientSampleId :

SB-P3WC-06(0-5)DL

Tot Ion:	99	Resp:	657036
Ion Ratio	Lower	Upper	
99	100		
42	18.7	17.3	25.9
71	31.7	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

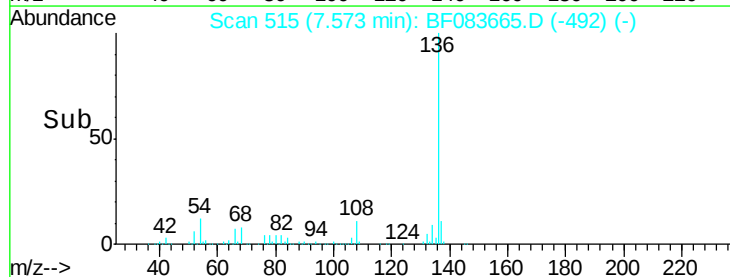
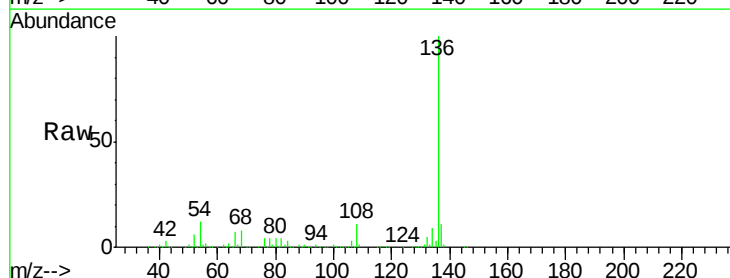
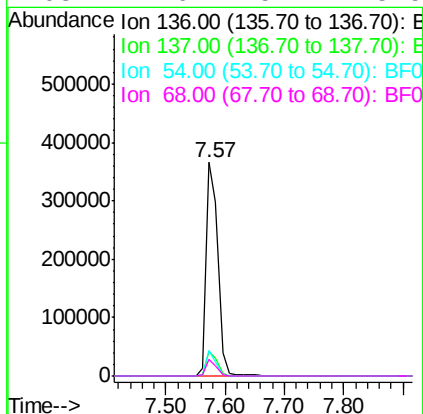
RT: 7.57 min Scan# 515

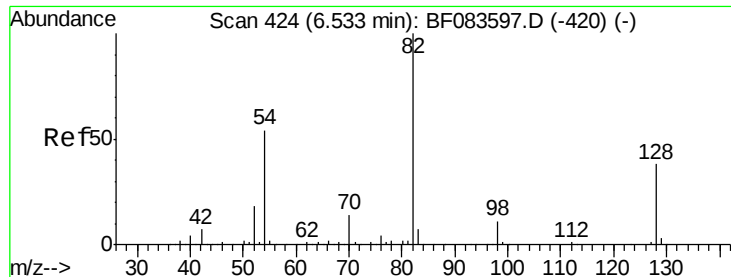
Delta R.T. -0.03 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Tgt Ion:	136	Resp:	505960
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	11.7	7.8	11.6#
68	7.6	5.7	8.5





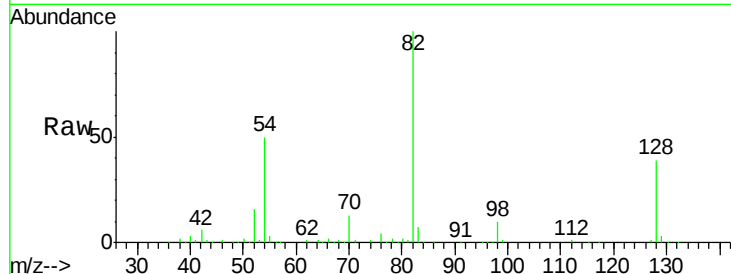
#23
Nitrobenzene-d5
Concen: 38.93 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(0-5)DL

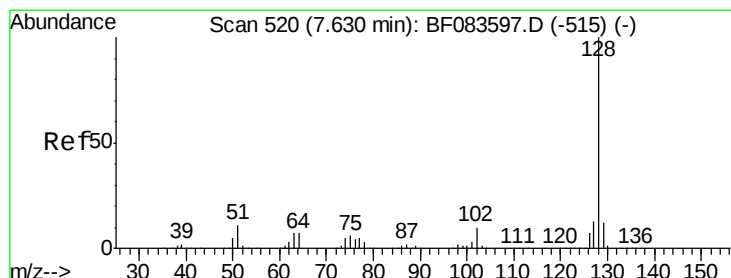
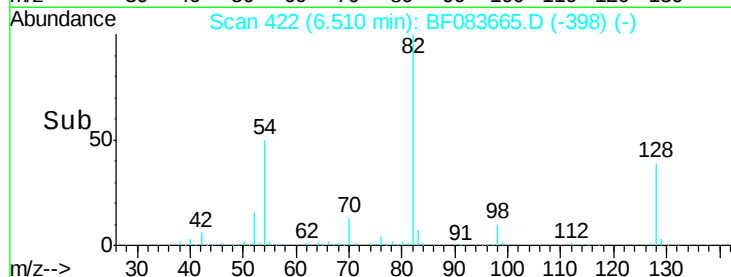
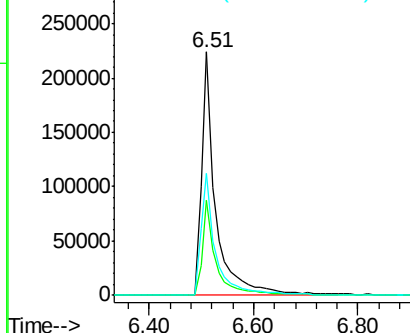
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	30.7	46.1
54	50.3	42.5	63.7

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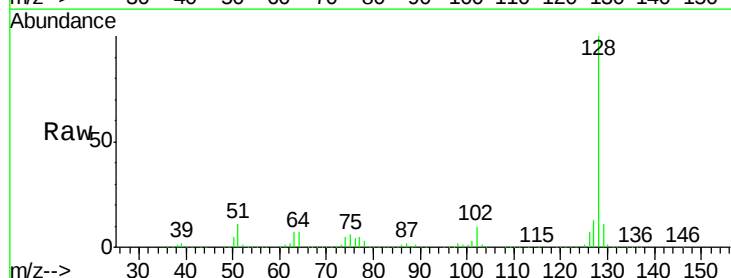


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

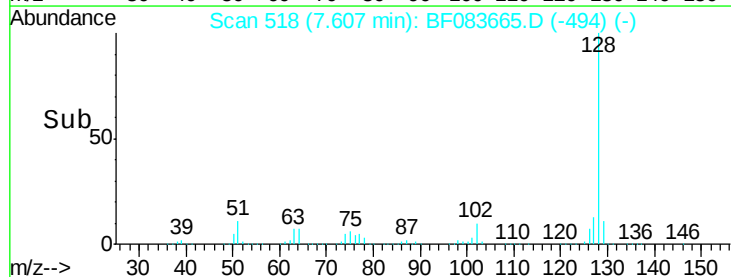
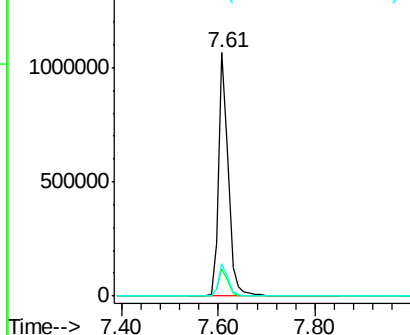


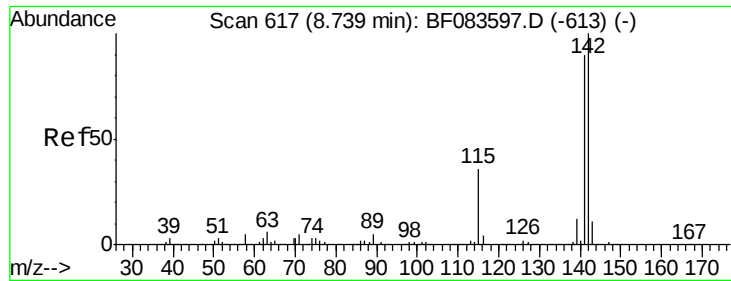
#31
Naphthalene
Concen: 56.79 ng
RT: 7.61 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0
127	13.2	10.6	16.0



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





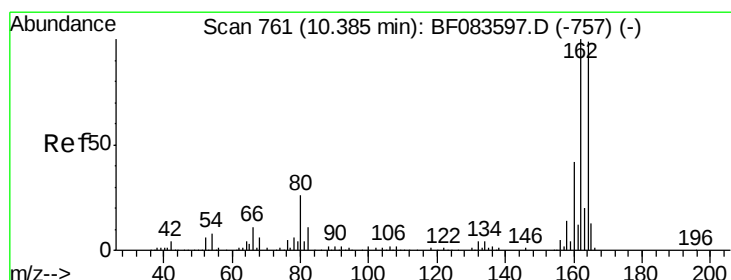
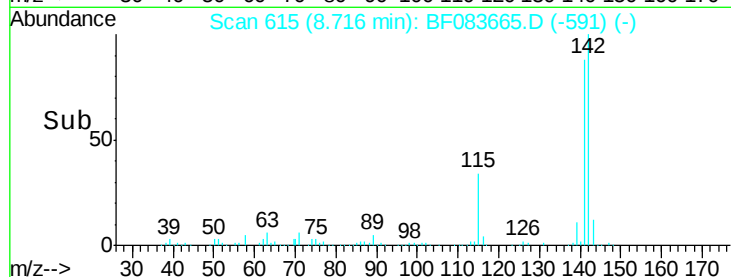
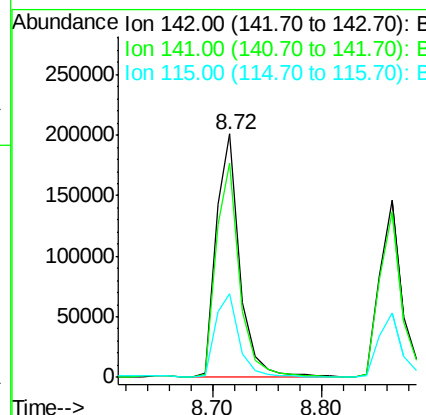
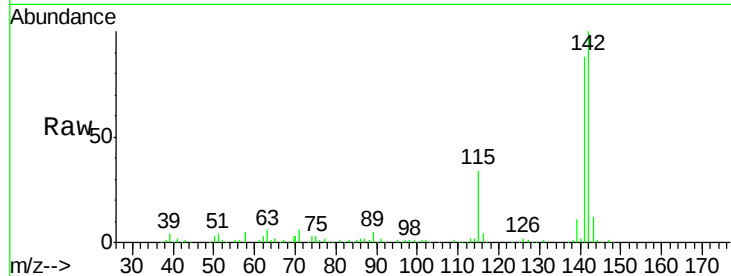
#37
2-Methylnaphthalene
Concen: 17.85 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(0-5)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5
115	34.4	29.2	43.8

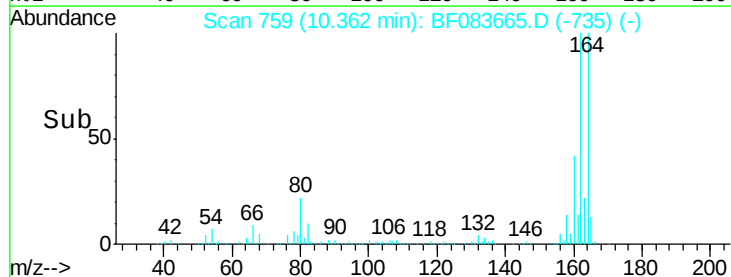
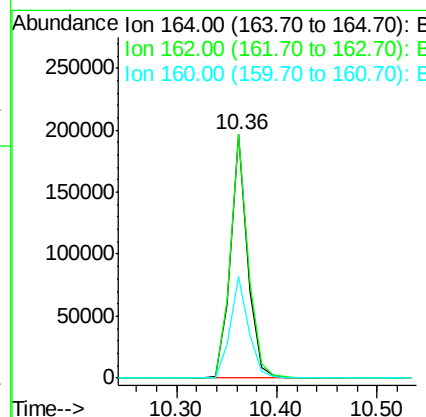
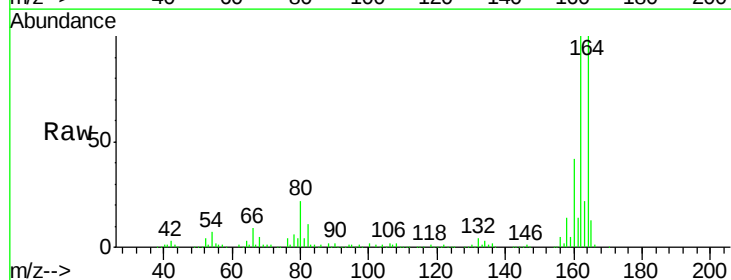
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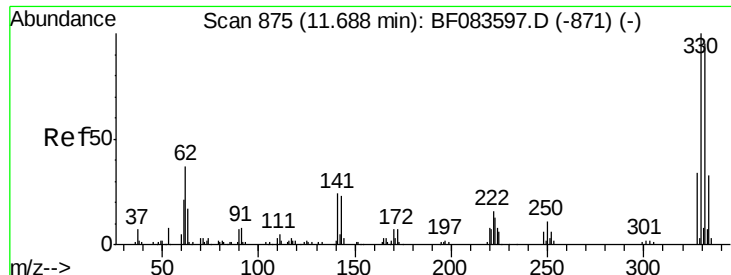
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	78.8	118.2
160	41.9	33.4	50.2





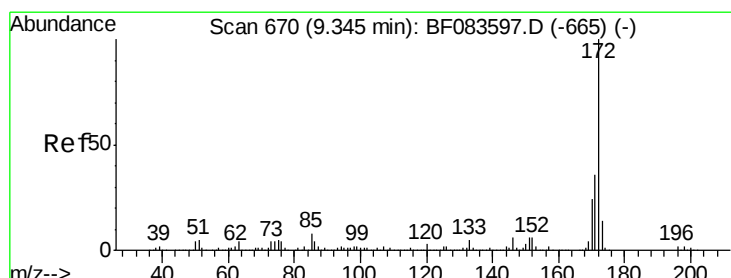
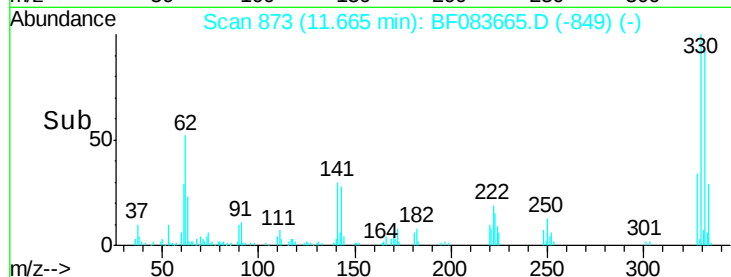
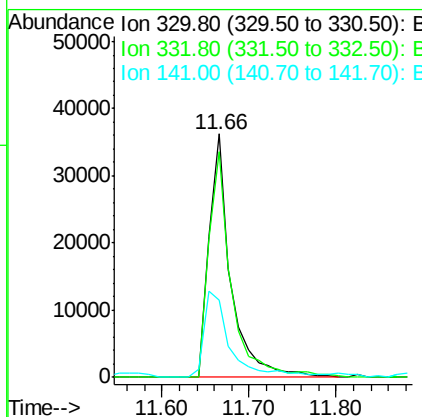
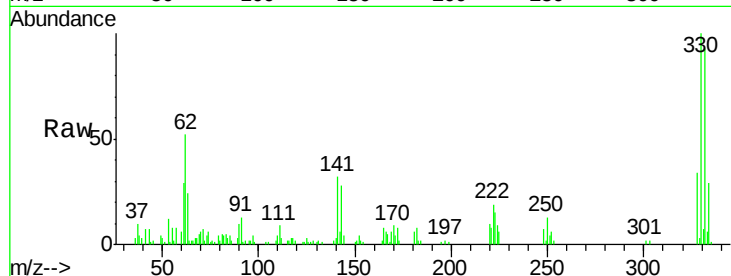
#41
 2,4,6-Tribromophenol
 Concen: 30.69 ng
 RT: 11.66 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF083665.D
 Acq: 10 Dec 2015 4:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-06(0-5)DL

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	43.1	0.0	0.0#

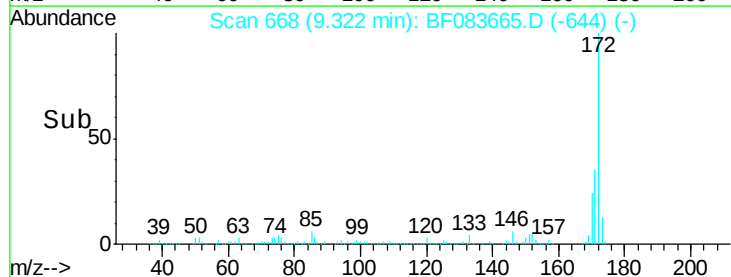
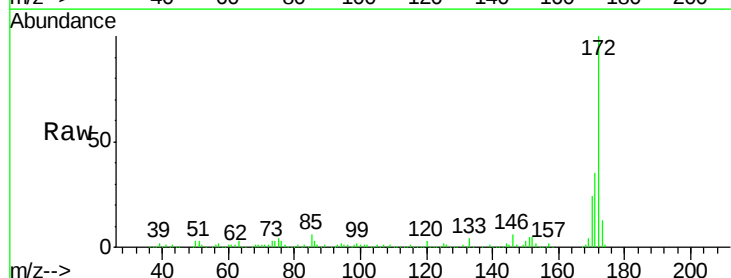
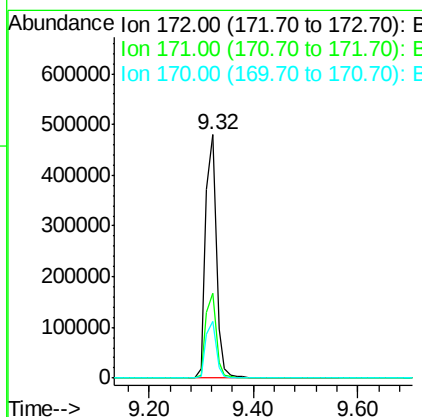
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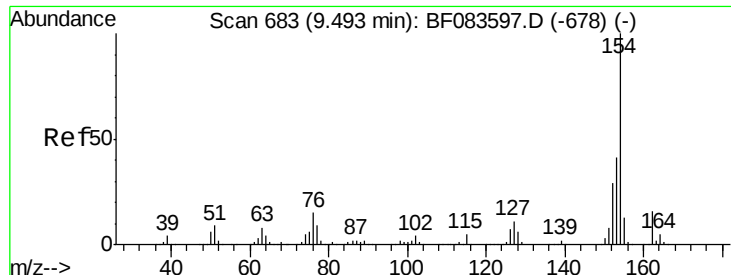
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#44
 2-Fluorobiphenyl
 Concen: 41.88 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083665.D
 Acq: 10 Dec 2015 4:45

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.6	19.4	29.0





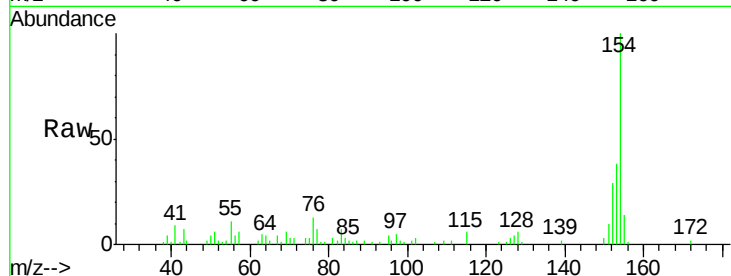
#45
1,1'-Biphenyl
Concen: 3.07 ng
RT: 9.48 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(0-5)DL

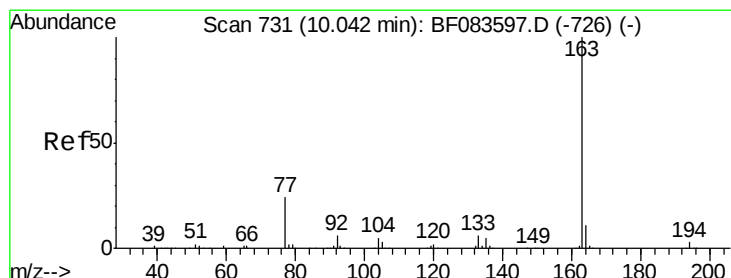
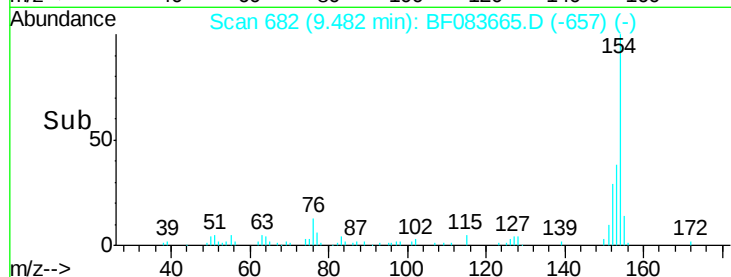
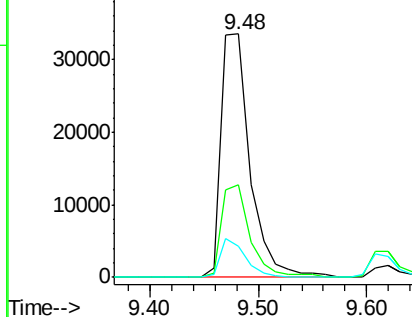
Tot Ion:	154	Resp:	62017
Ion Ratio	Lower	Upper	
154	100		
153	37.8	20.2	60.2
76	12.6	0.0	34.8

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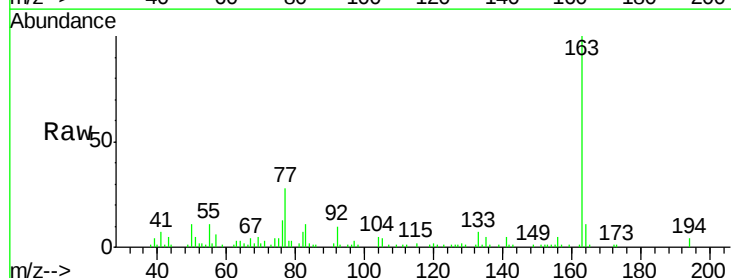


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

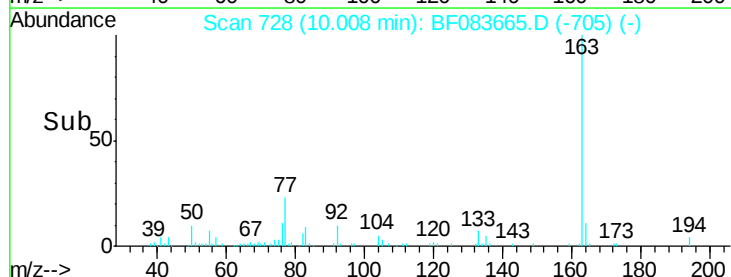
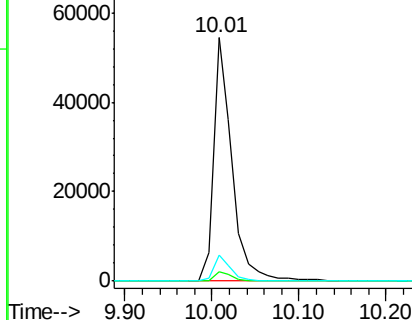


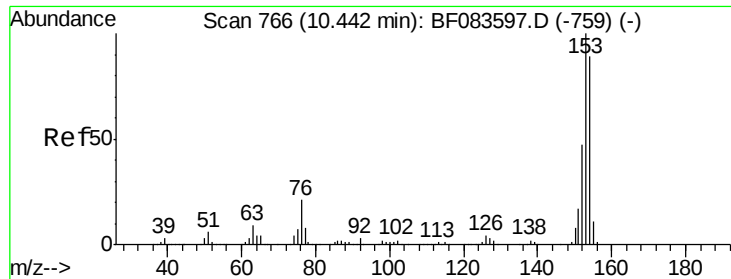
#49
Dimethylphthalate
Concen: 4.35 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Tgt Ion:	163	Resp:	80457
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.8	4.2
164	10.5	8.6	13.0



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





#51

Acenaphthene

Concen: 13.15 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Instrument :

BNA_F

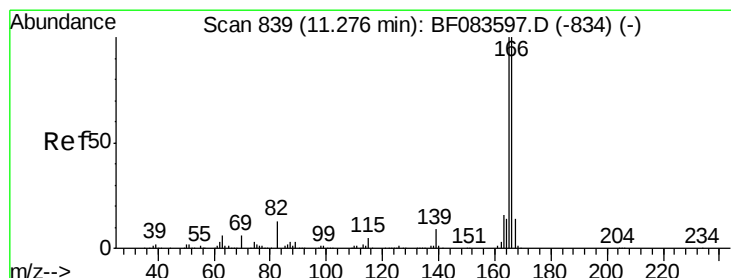
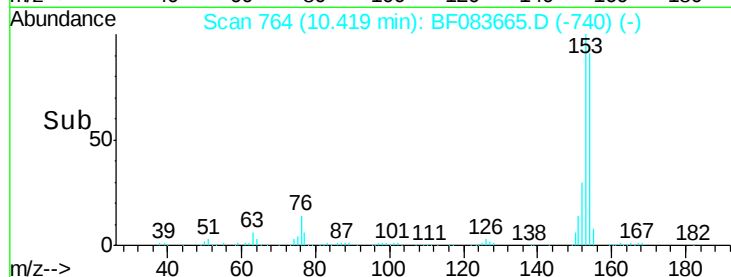
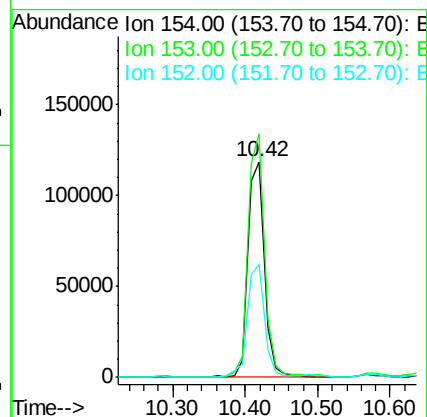
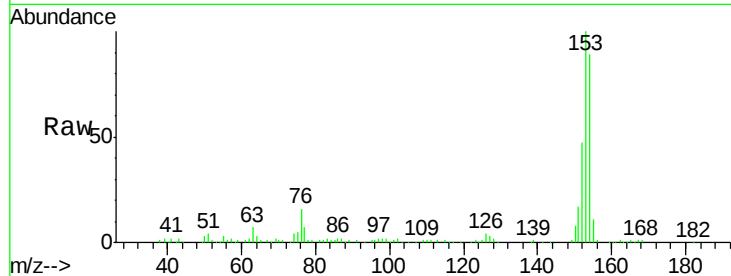
ClientSampleId :

SB-P3WC-06(0-5)DL

Tot Ion:	154	Resp:	189440
Ion Ratio	Lower	Upper	
154	100		
153	112.9	91.4	137.0
152	52.5	43.4	65.2

Manual Integrations
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#57

Fluorene

Concen: 5.38 ng

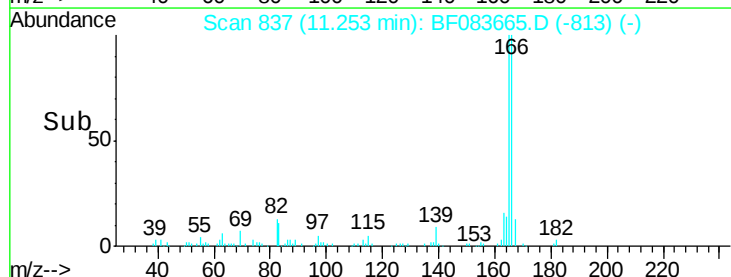
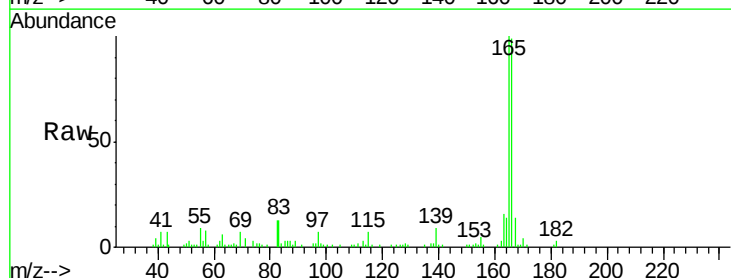
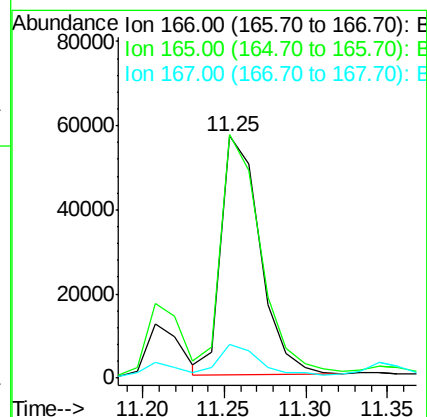
RT: 11.25 min Scan# 837

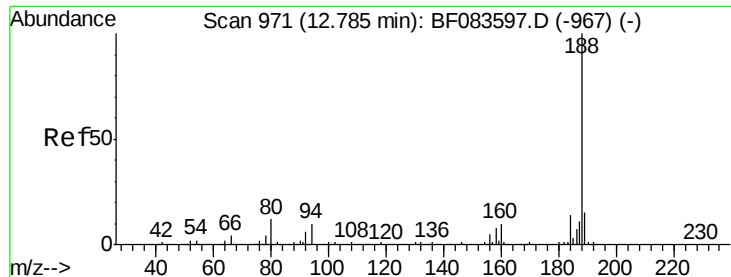
Delta R.T. -0.02 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Tgt Ion:	166	Resp:	93802
Ion Ratio	Lower	Upper	
166	100		
165	100.6	80.0	120.0
167	13.8	10.6	16.0





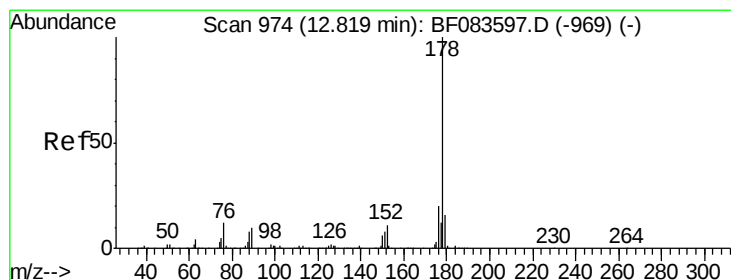
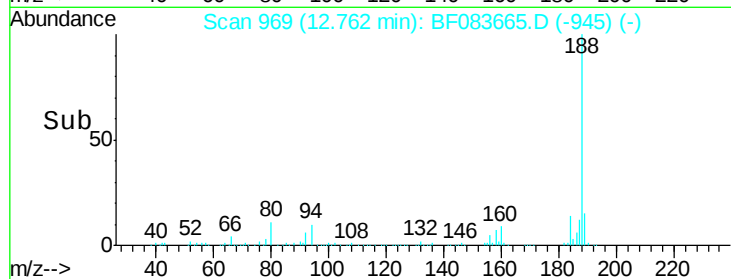
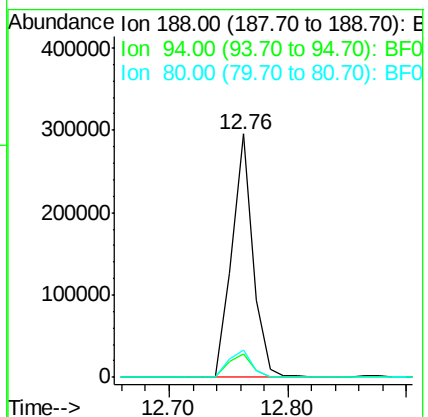
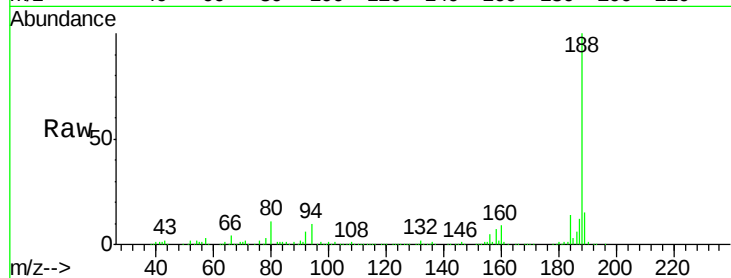
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(0-5)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	9.4	14.2
80	11.1	10.6	16.0

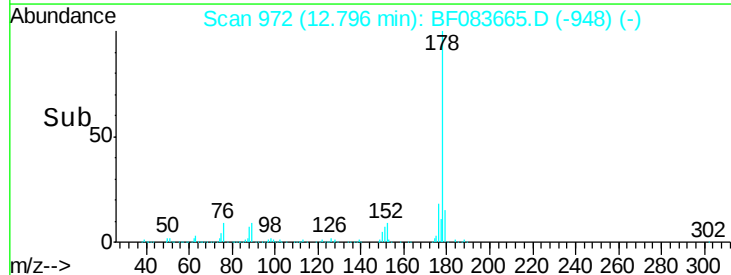
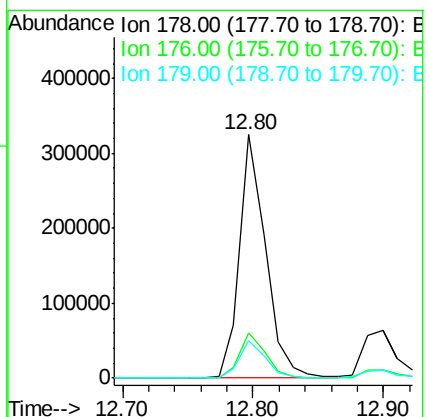
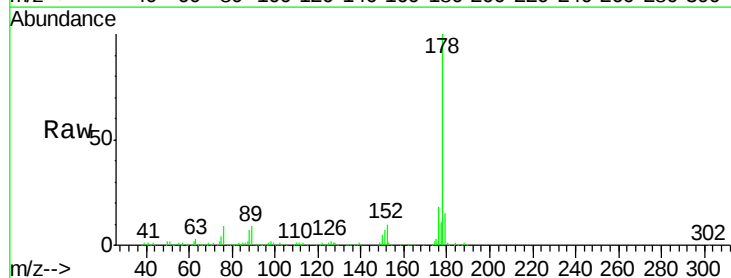
Manual Integrations
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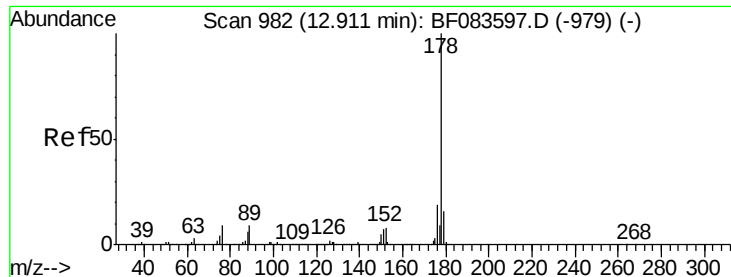
MMdadoda
12/10/2015 5:50:30 PM



#70
Phenanthrene
Concen: 21.71 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.4	12.2	18.4





#71

Anthracene

Concen: 5.15 ng

RT: 12.90 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Instrument :

BNA_F

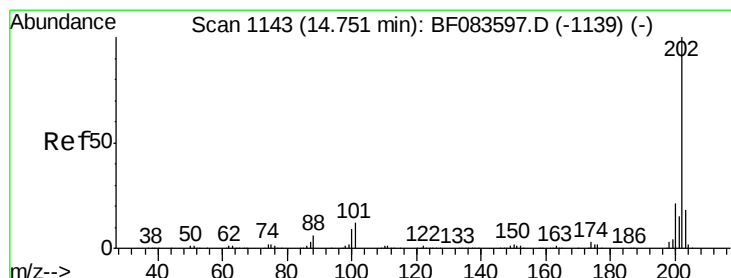
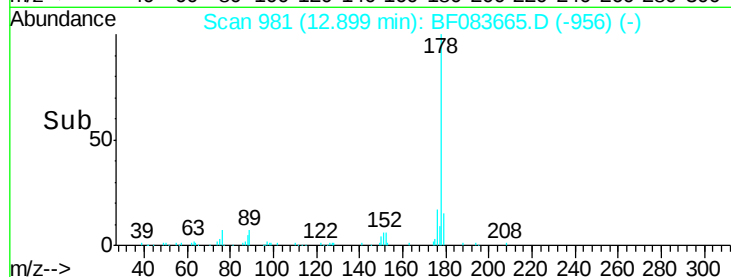
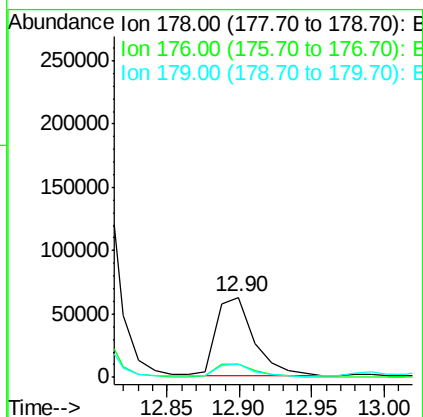
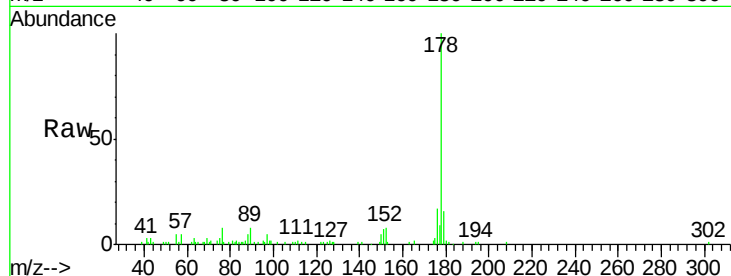
ClientSampleId :

SB-P3WC-06(0-5)DL

Tot Ion:	178	Resp:	111917
Ion Ratio	Lower	Upper	
178	100		
176	17.2	15.2	22.8
179	16.1	12.6	18.8

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#74

Fluoranthene

Concen: 7.25 ng

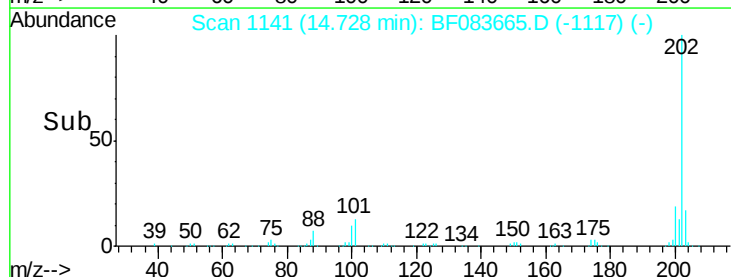
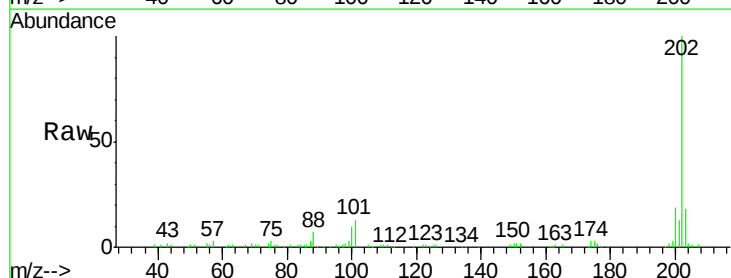
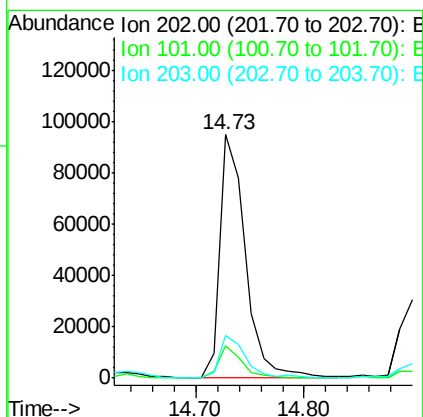
RT: 14.73 min Scan# 1141

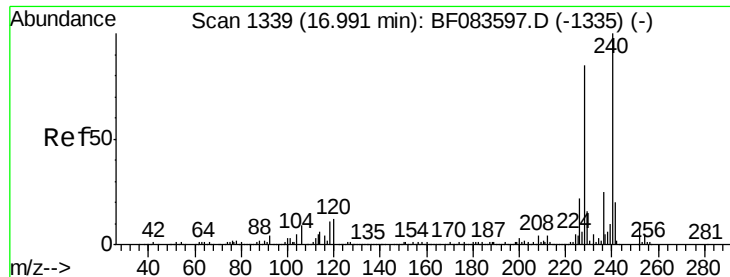
Delta R.T. -0.02 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Tgt Ion:	202	Resp:	155566
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	31.5
203	17.5	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Instrument :

BNA_F

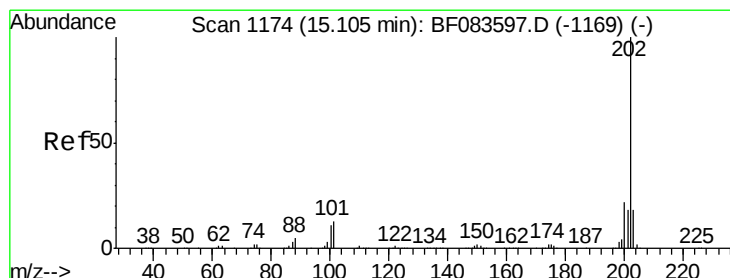
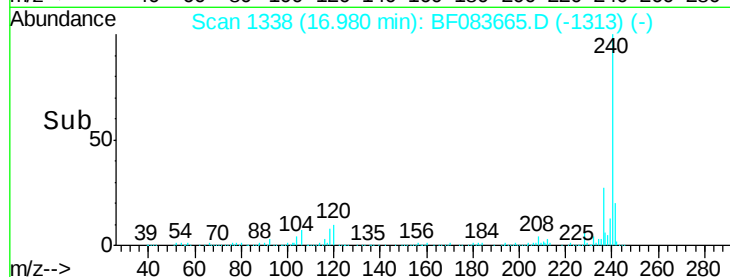
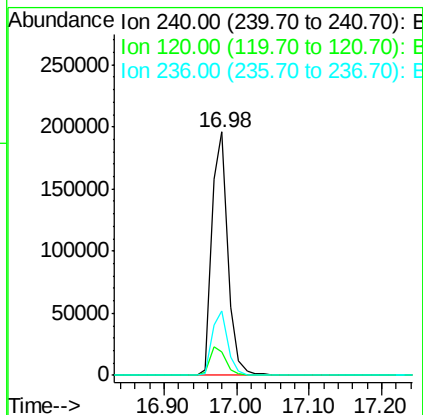
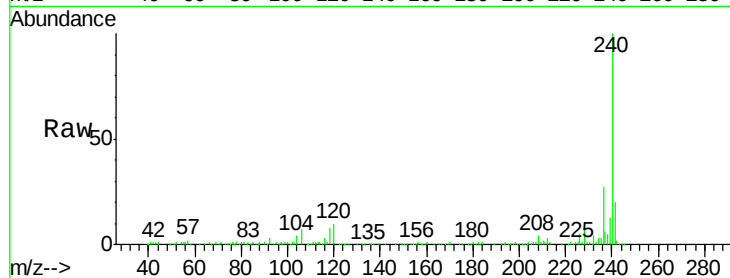
ClientSampleId :

SB-P3WC-06(0-5)DL

Tot Ion:	240	Resp:	298156
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.1	12.1
236	26.7	20.8	31.2

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#77

Pyrene

Concen: 9.91 ng

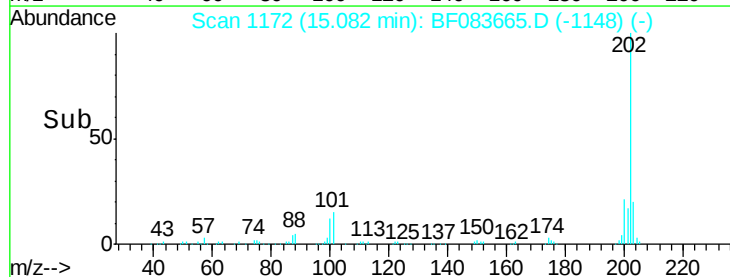
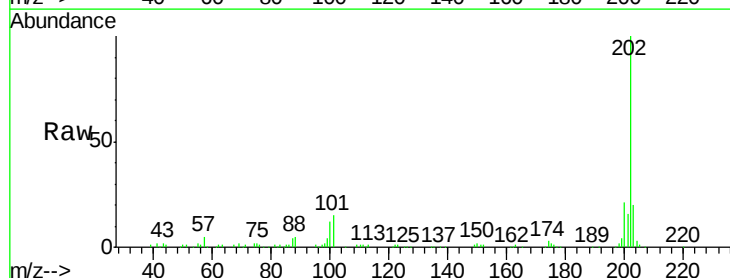
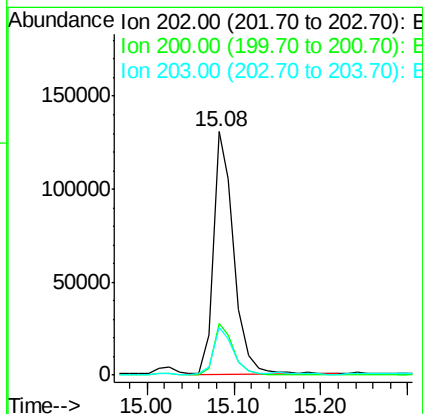
RT: 15.08 min Scan# 1172

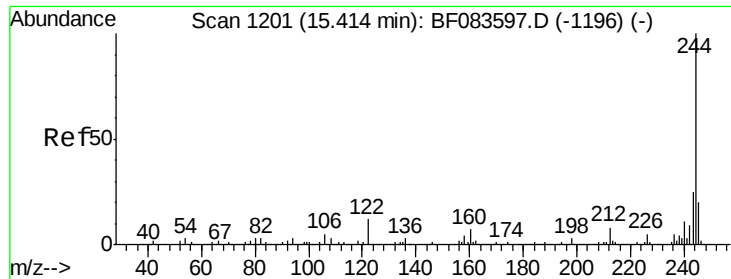
Delta R.T. -0.02 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Tgt Ion:	202	Resp:	212769
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	19.7	14.3	21.5





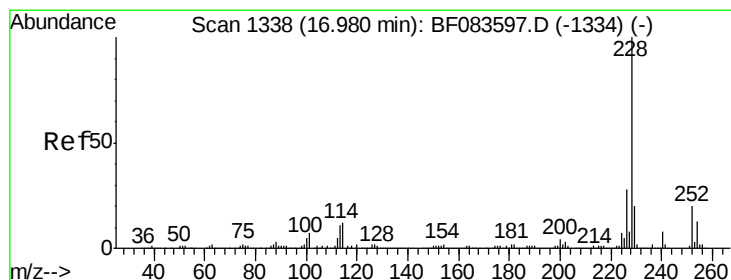
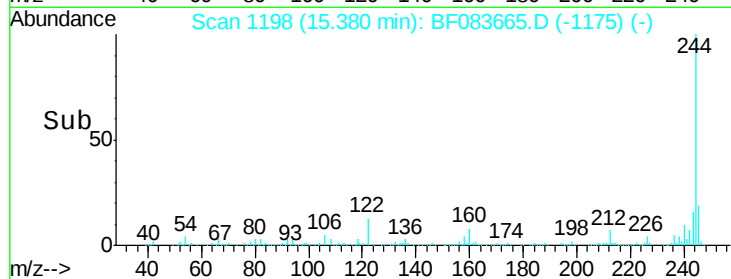
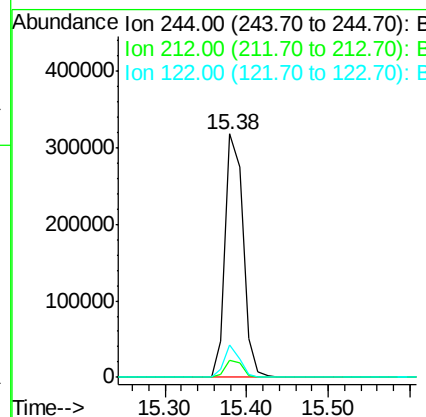
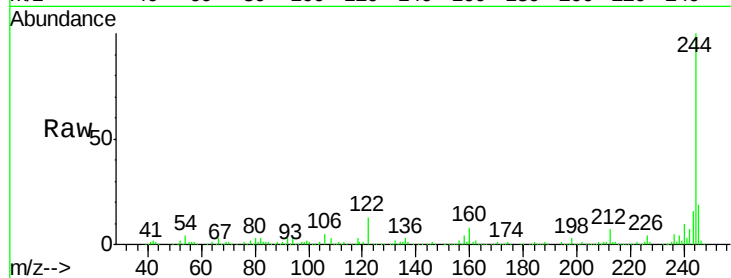
#78
 Terphenyl-d14
 Concen: 38.13 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083665.D
 Acq: 10 Dec 2015 4:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-06(0-5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	13.4	11.0	16.6

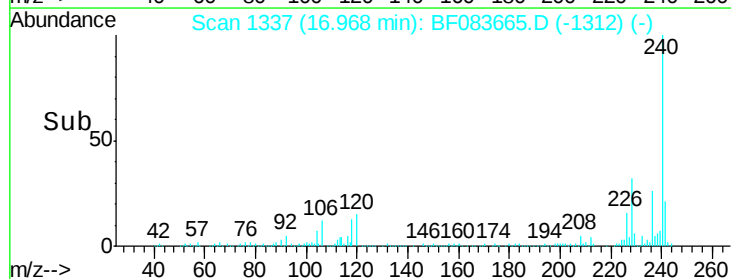
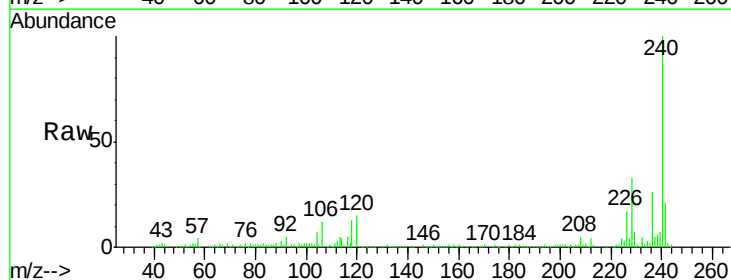
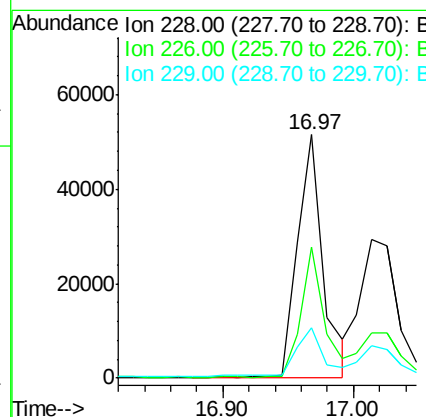
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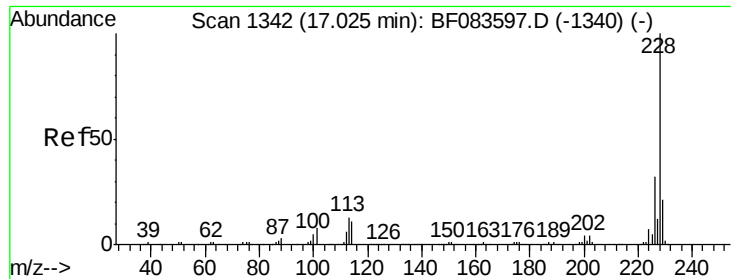
MMdadoda
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#80
 Benzo(a)anthracene
 Concen: 4.04 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF083665.D
 Acq: 10 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	53.7	22.3	33.5#
229	20.8	15.7	23.5





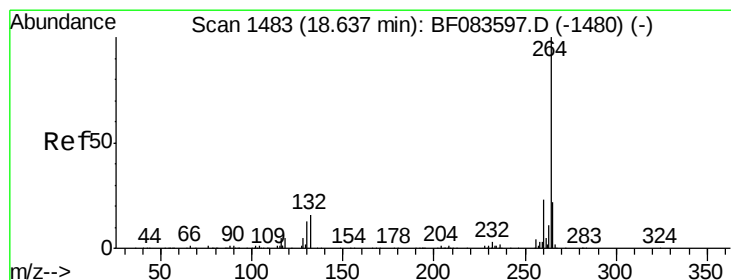
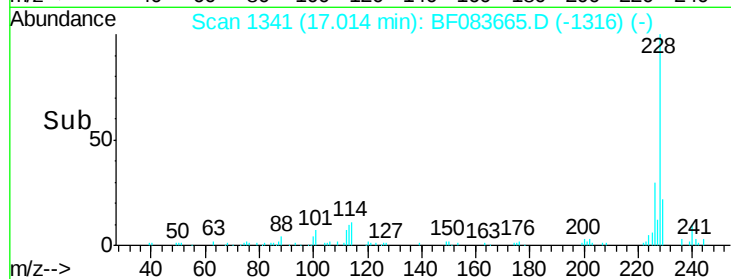
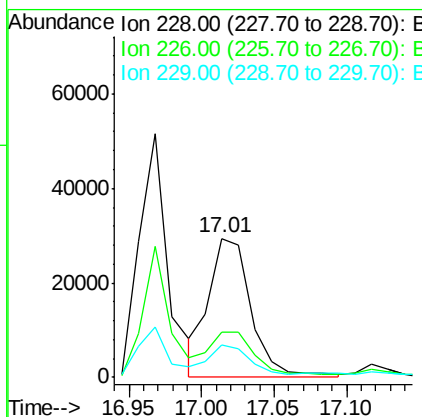
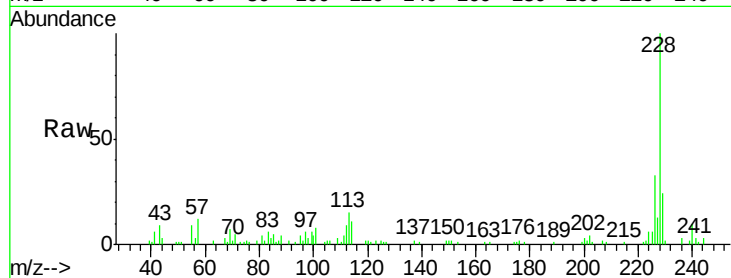
#82
Chrysene
Concen: 3.40 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(0-5)DL

Tot Ion:	228	Resp:	59517
Ion Ratio	Lower	Upper	
228	100		
226	32.6	24.7	37.1
229	23.6	16.3	24.5

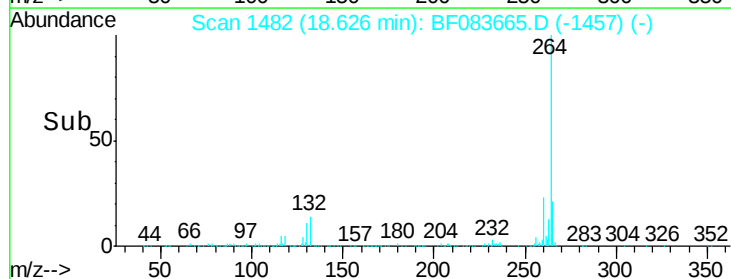
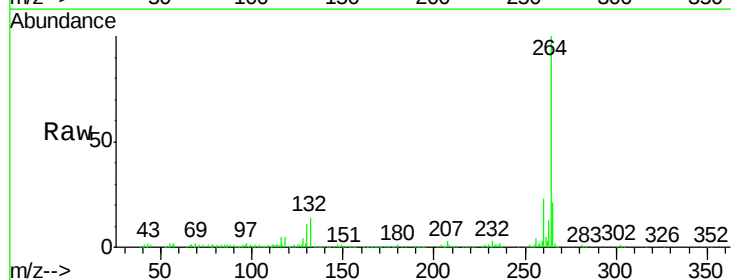
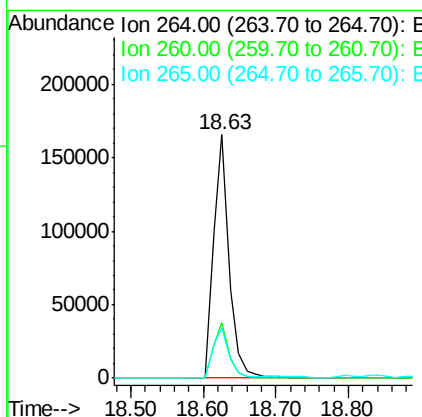
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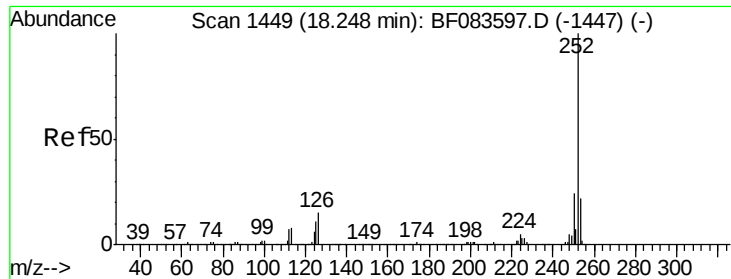
MMdadoda
12/10/2015 5:50:30 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083665.D
Acq: 10 Dec 2015 4:45

Tgt Ion:	264	Resp:	244885
Ion Ratio	Lower	Upper	
264	100		
260	22.8	19.4	29.0
265	20.8	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 2.77 ng

RT: 18.26 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Instrument :

BNA_F

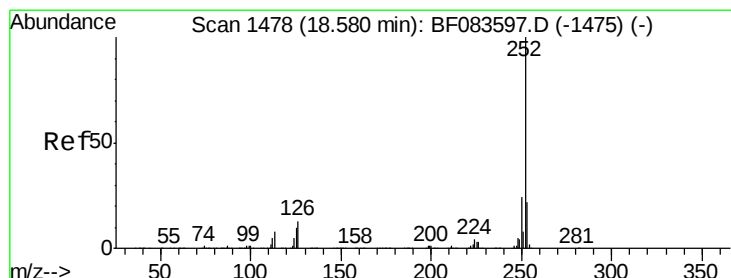
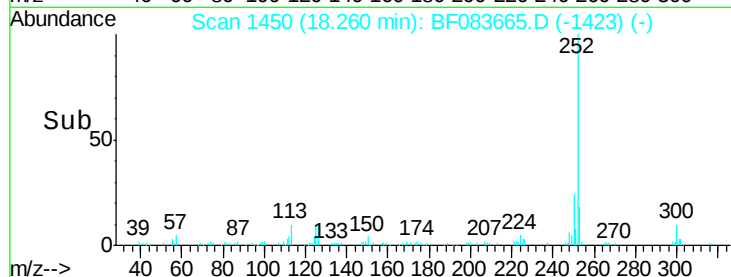
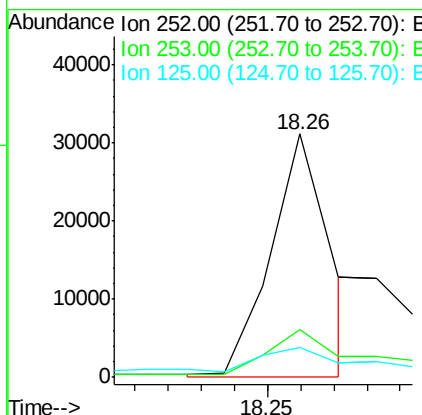
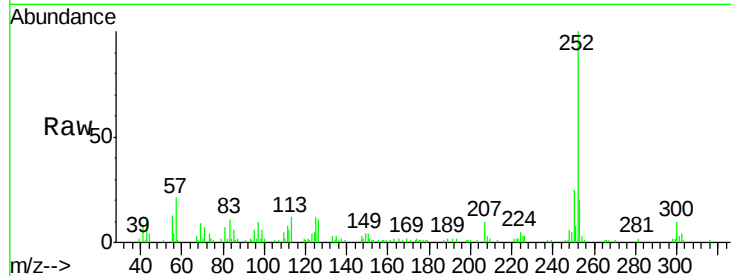
ClientSampleId :

SB-P3WC-06(0-5)DL

Tot Ion:	252	Resp:	38588
Ion Ratio	Lower	Upper	
252	100		
253	19.7	18.2	27.4
125	12.5	8.2	12.4

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.92 ng

RT: 18.58 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF083665.D

Acq: 10 Dec 2015 4:45

Tgt Ion:	252	Resp:	39724
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	14.6	11.0	16.6

