

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
 Data File : BF083685.D
 Acq On : 10 Dec 2015 19:31
 Operator : UM/IZ
 Sample : G4582-15DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(8-14)DL

Manual Integrations
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Quant Time: Dec 11 01:29:53 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	5.62	152	118252	20.00	ng	-0.08
21) Naphthalene-d8	7.50	136	477868	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	237869	20.00	ng	-0.09
63) Phenanthrene-d10	12.69	188	432503	20.00	ng	-0.09
75) Chrysene-d12	16.91	240	411229	20.00	ng	-0.08
86) Perylene-d12	18.58	264	306266	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	101599	13.03	ng	-0.02
7) Phenol-d6	5.23	99	162381	15.59	ng	-0.05
23) Nitrobenzene-d5	6.49	82	96406	9.41	ng	-0.05
41) 2,4,6-Tribromophenol	11.61	330	28400	13.40	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	188112	11.13	ng	-0.09
78) Terphenyl-d14	15.31	244	181964	10.41	ng	-0.10
Target Compounds						Qvalue
31) Naphthalene	7.54	128	1682494	66.48	ng	99
37) 2-Methylnaphthalene	8.65	142	214140	13.47	ng	99
45) 1,1'-Biphenyl	9.41	154	70638	3.42	ng	99
51) Acenaphthene	10.34	154	253926	17.23	ng	99
57) Fluorene	11.20	166	127360	7.14	ng	99
70) Phenanthrene	12.73	178	697996	28.09	ng	98
71) Anthracene	12.84	178	195221	7.58	ng	99
74) Fluoranthene	14.67	202	331990	13.06	ng	98
77) Pyrene	15.01	202	482069	16.28	ng	99
80) Benzo(a)anthracene	16.91	228	140732m	5.85	ng	
82) Chrysene	16.97	228	138868	5.76	ng	98
85) Indeno(1,2,3-cd)pyrene	19.89	276	40664m	2.50	ng	
87) Benzo(b)fluoranthene	18.23	252	92124m	5.28	ng	
88) Benzo(k)fluoranthene	18.25	252	48097m	2.50	ng	
89) Benzo(a)pyrene	18.55	252	117985m	6.93	ng	
91) Benzo(g,h,i)perylene	20.25	276	47413	3.74	ng	94

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

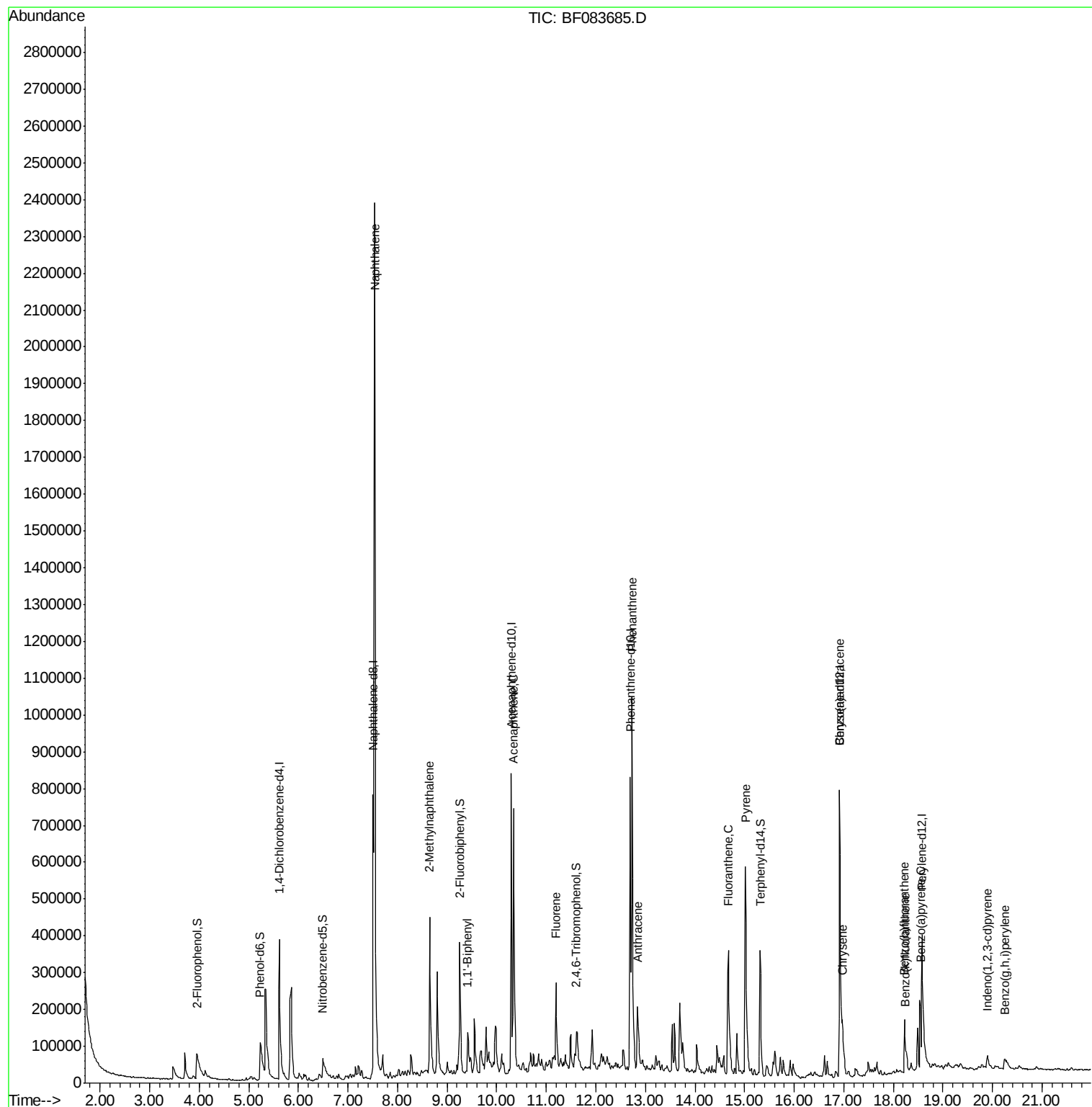
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
Data File : BF083685.D
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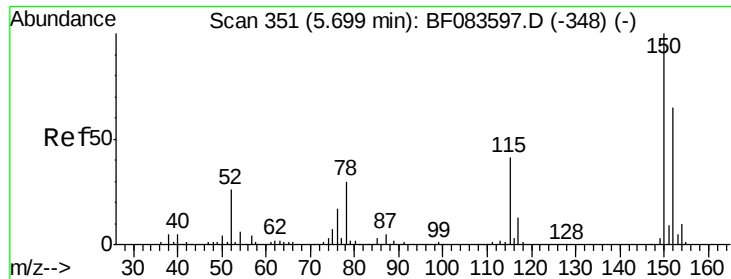
Instrument :
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ClientSampleId :
SB-P3WC-08(8-14)DL

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Quant Time: Dec 11 01:29:53 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
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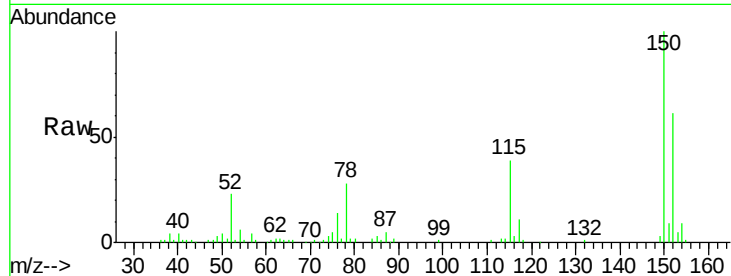




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.62 min Scan# 344
Delta R.T. -0.08 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

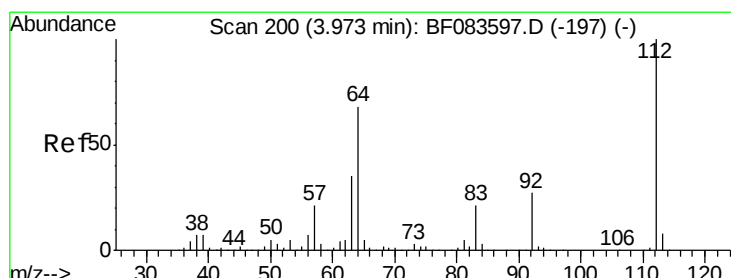
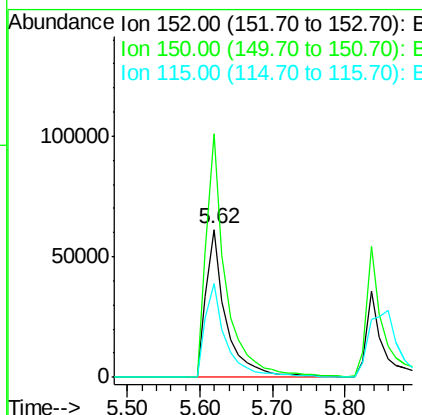
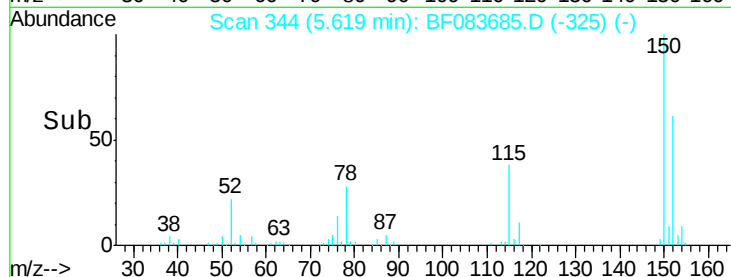
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL



Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	126.5	189.7
115	63.4	52.3	78.5

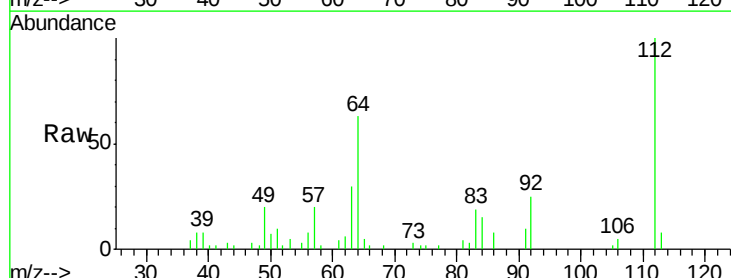
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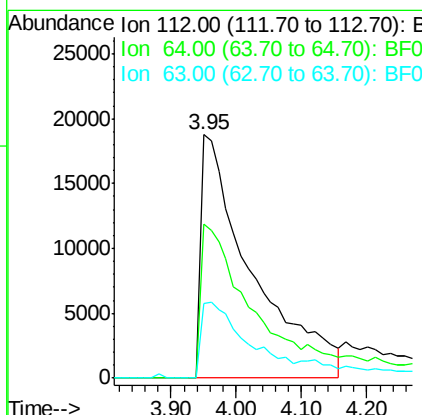
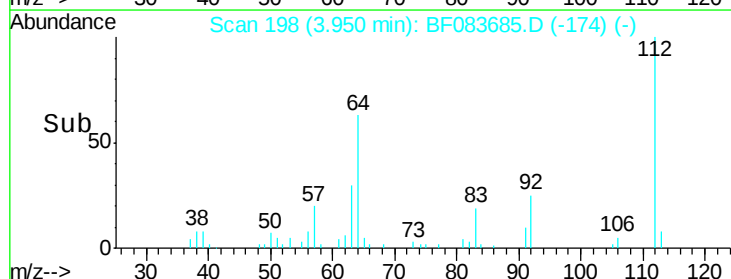


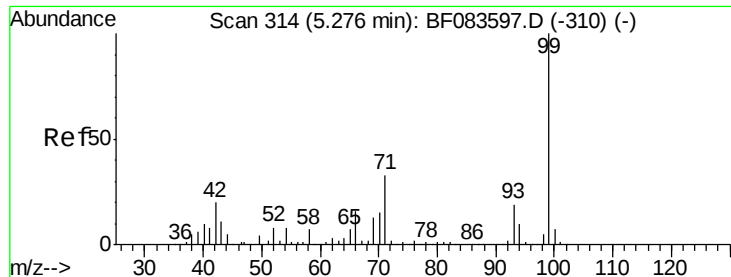
#5

2-Fluorophenol
Concen: 13.03 ng
RT: 3.95 min Scan# 198
Delta R.T. -0.02 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31



Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	50.5	75.7
63	30.5	25.8	38.6





#7

Phenol-d6

Concen: 15.59 ng

RT: 5.23 min Scan# 310

Delta R.T. -0.05 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Instrument :

BNA_F

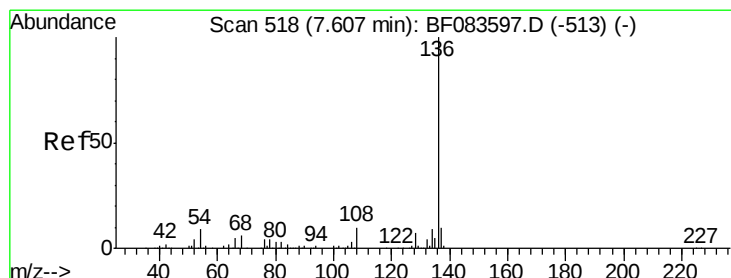
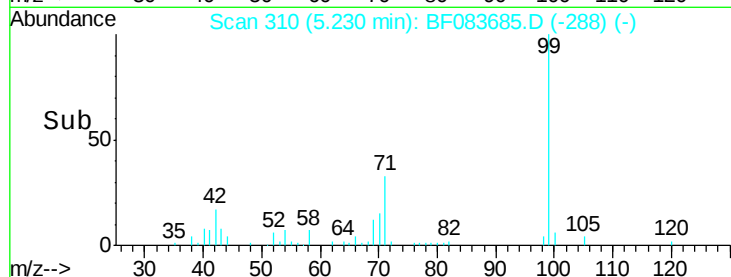
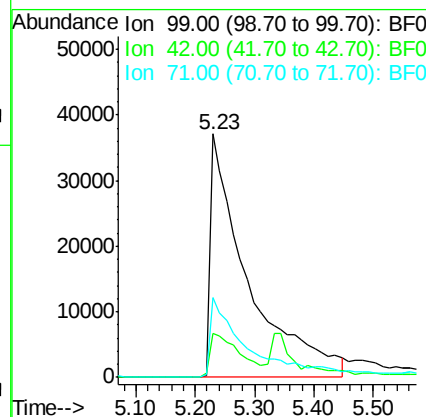
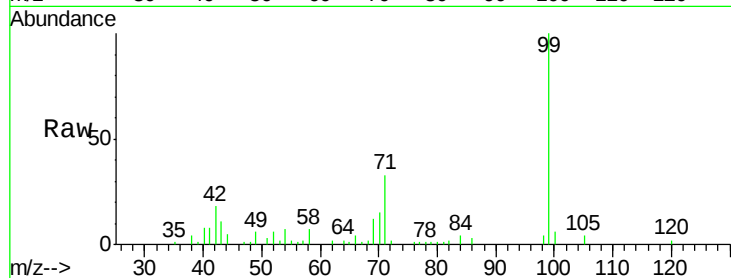
ClientSampleId :

SB-P3WC-08(8-14)DL

Tot Ion:	99	Resp:	162381
Ion Ratio	Lower	Upper	
99	100		
42	18.0	17.3	25.9
71	32.7	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

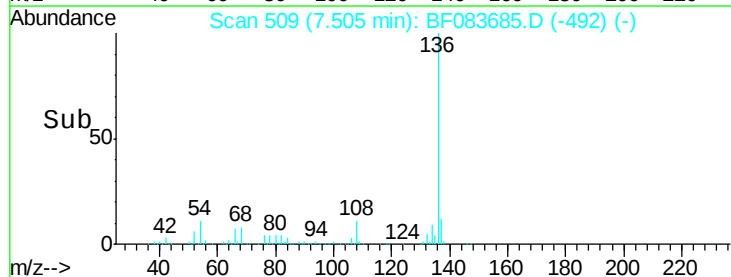
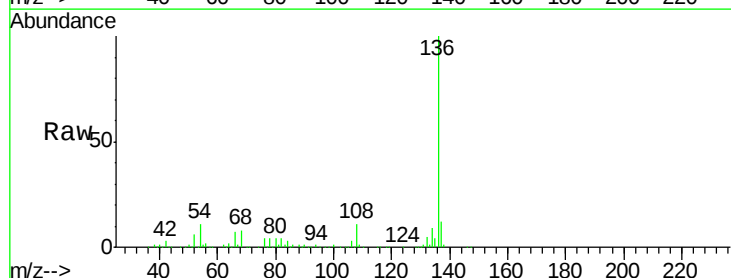
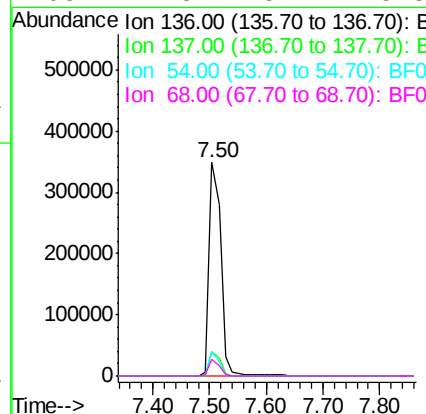
RT: 7.50 min Scan# 509

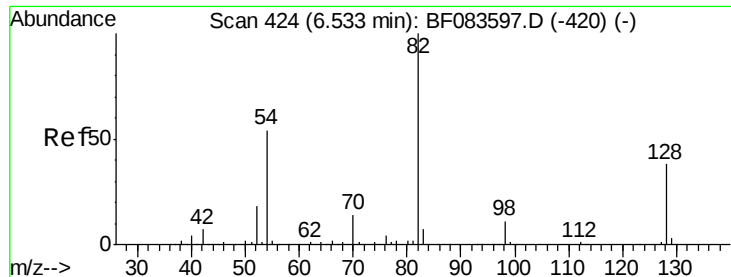
Delta R.T. -0.10 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Tgt Ion:	136	Resp:	477868
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.7	13.1
54	11.5	7.8	11.6
68	7.8	5.7	8.5





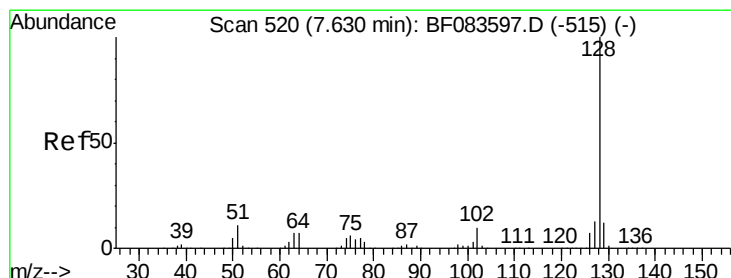
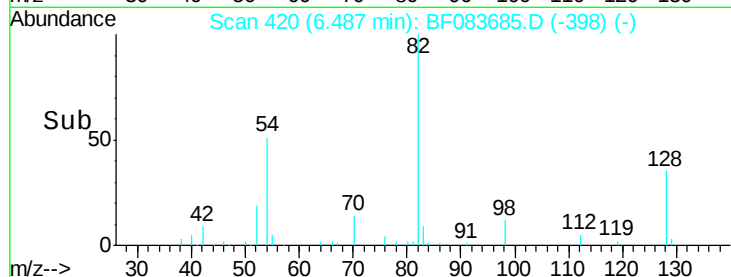
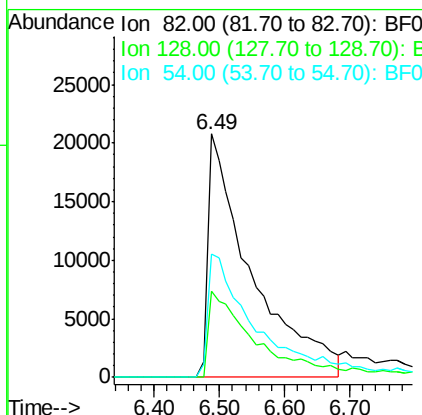
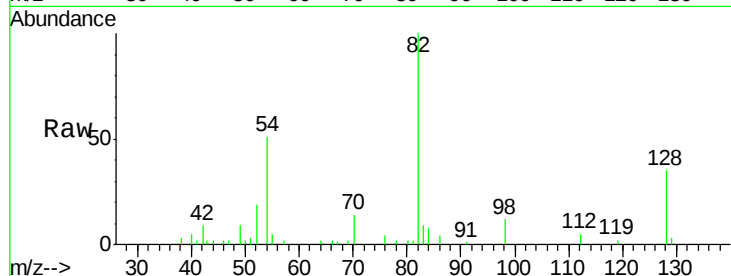
#23
 Nitrobenzene-d5
 Concen: 9.41 ng
 RT: 6.49 min Scan# 420
 Delta R.T. -0.05 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 19:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.5	30.7	46.1
54	50.6	42.5	63.7

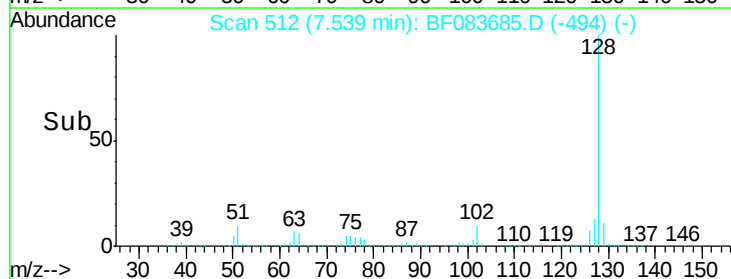
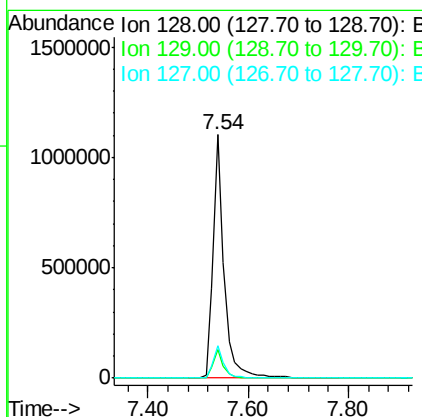
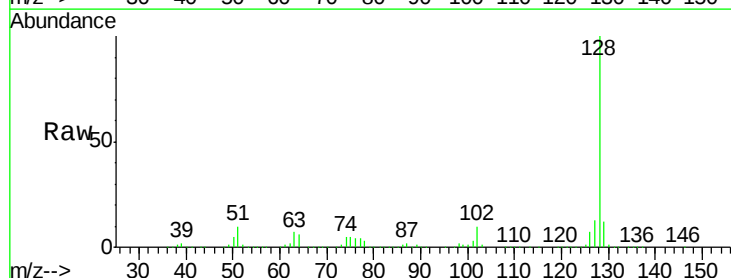
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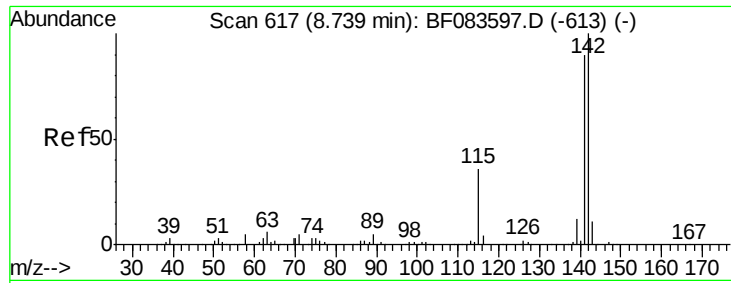
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#31
 Naphthalene
 Concen: 66.48 ng
 RT: 7.54 min Scan# 512
 Delta R.T. -0.09 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.3	10.6	16.0





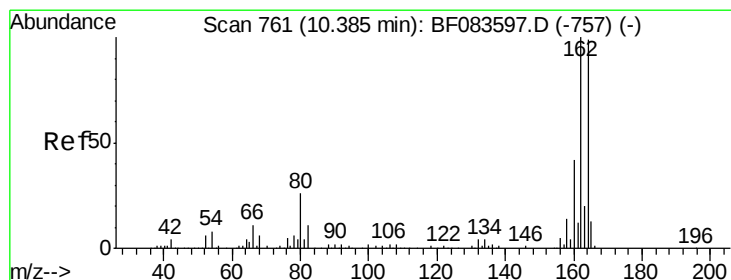
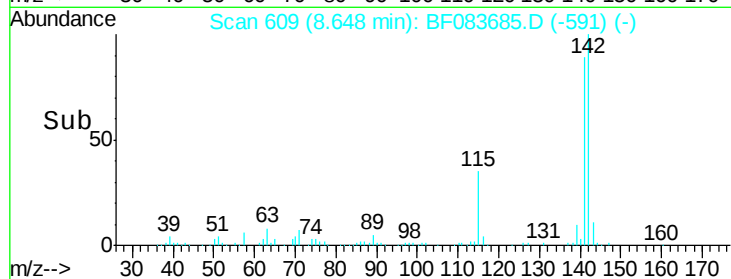
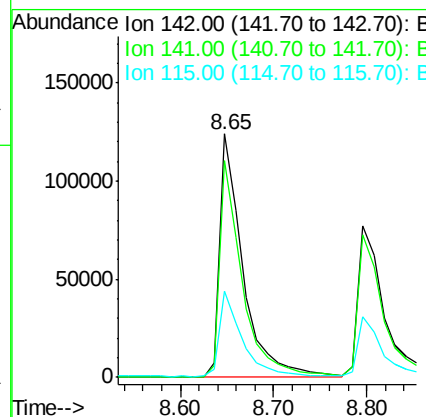
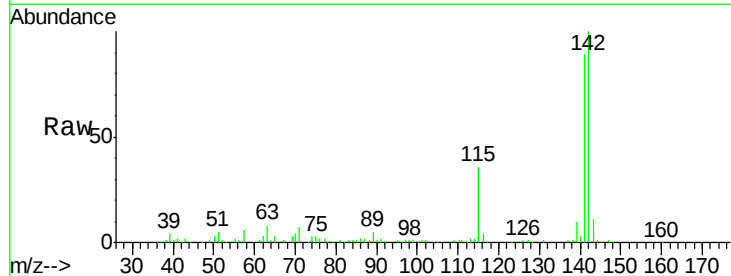
#37
2-Methylnaphthalene
Concen: 13.47 ng
RT: 8.65 min Scan# 609
Delta R.T. -0.09 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	35.6	29.2	43.8

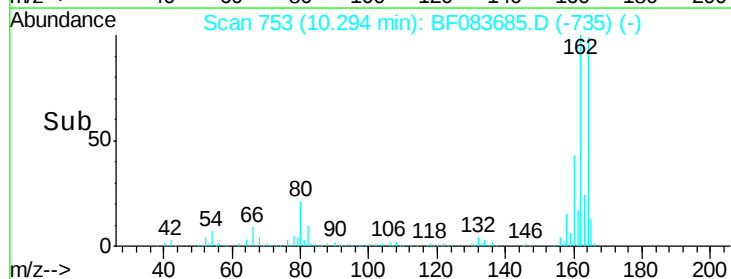
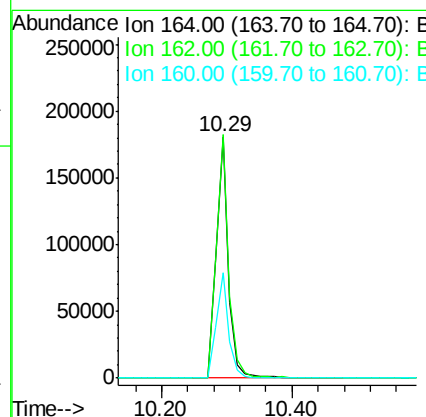
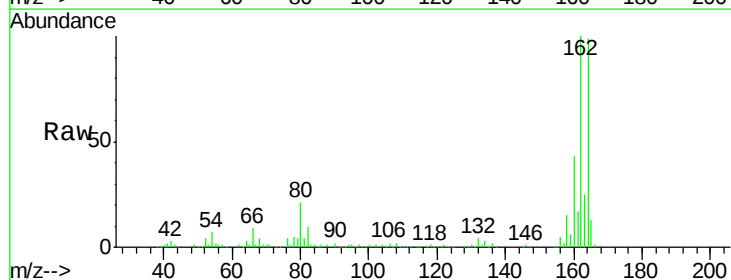
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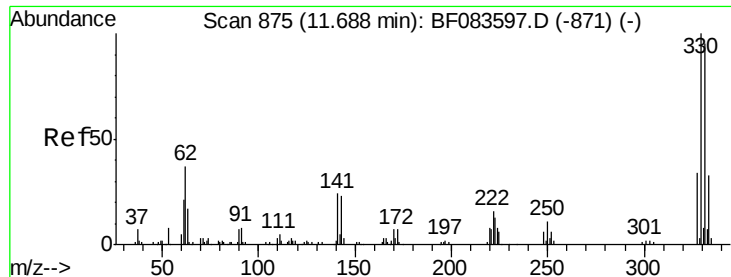
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.09 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	78.8	118.2
160	43.6	33.4	50.2





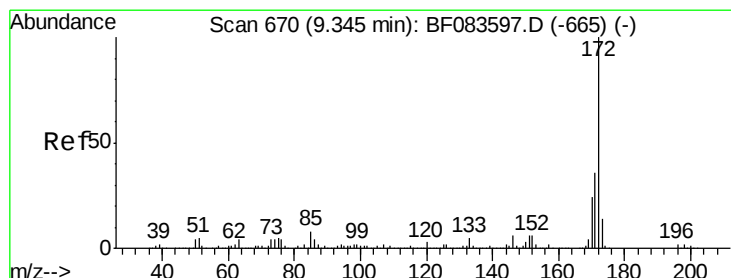
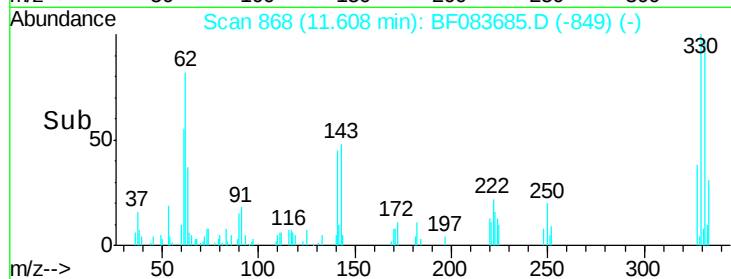
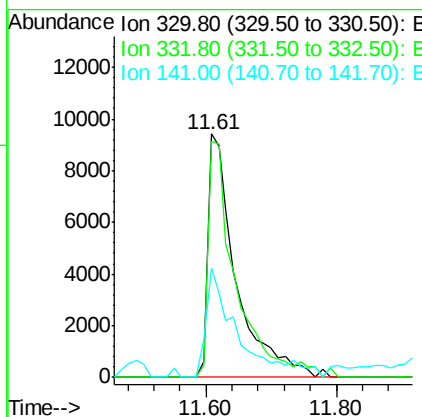
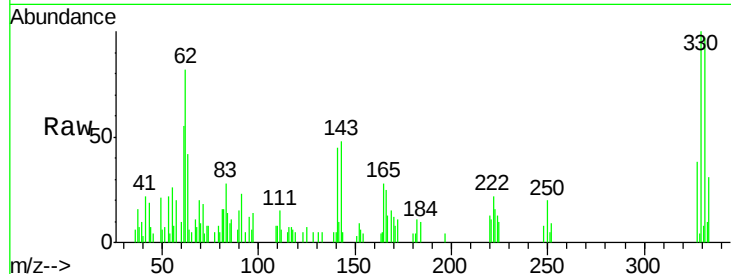
#41
 2,4,6-Tribromophenol
 Concen: 13.40 ng
 RT: 11.61 min Scan# 868
 Delta R.T. -0.08 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 19:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	28400		
332	91.9	0.0	0.0	0.0
141	50.4	0.0	0.0	0.0

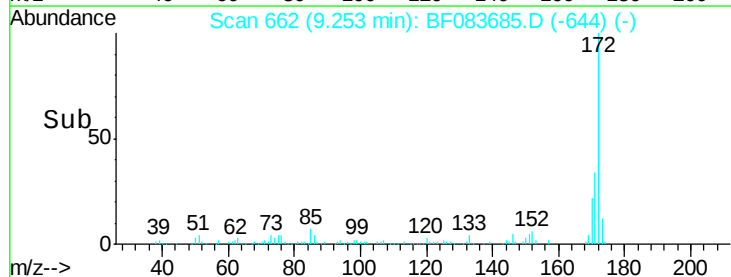
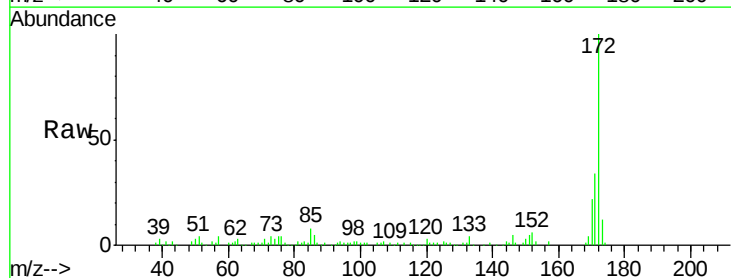
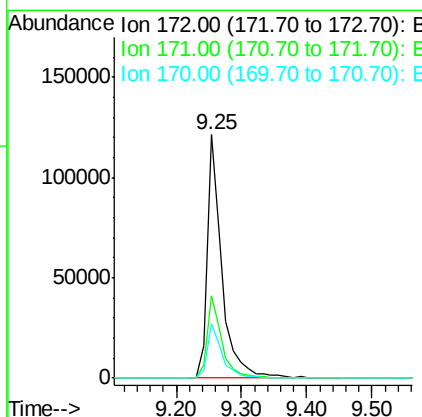
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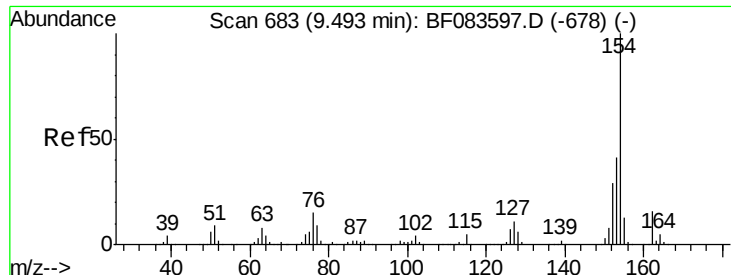
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#44
 2-Fluorobiphenyl
 Concen: 11.13 ng
 RT: 9.25 min Scan# 662
 Delta R.T. -0.09 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	188112		
171	34.1	28.6	42.8	
170	22.3	19.4	29.0	





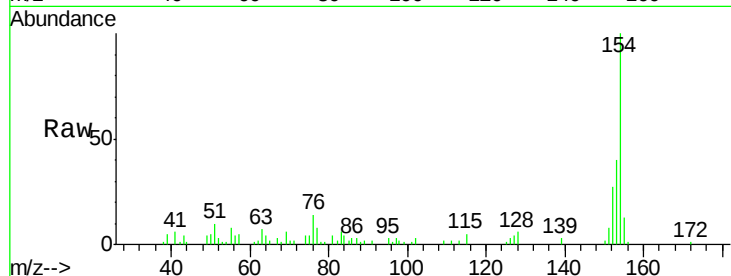
#45
1,1'-Biphenyl
Concen: 3.42 ng
RT: 9.41 min Scan# 676
Delta R.T. -0.08 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	14.5	0.0	34.8

Manual Integrations
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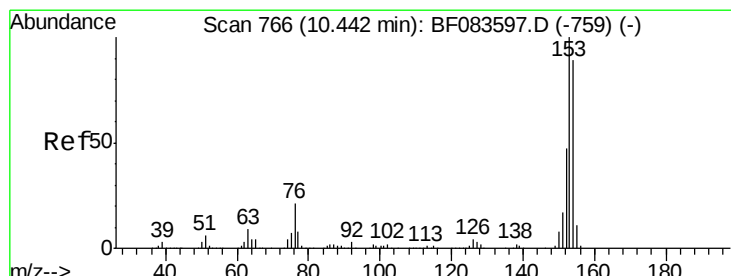
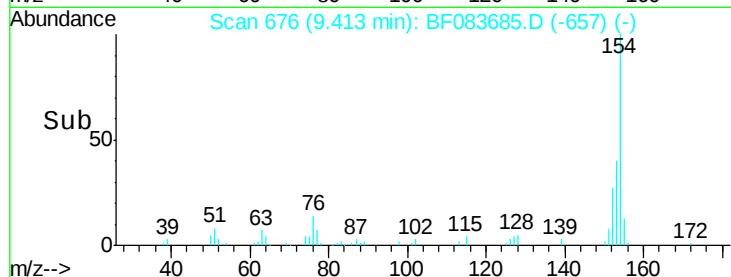
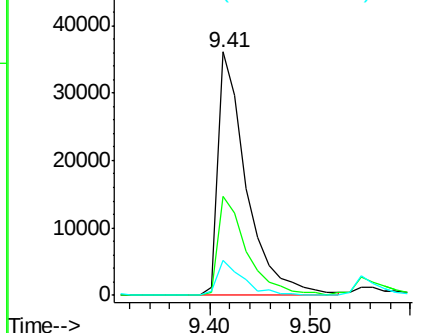


Abundance

Ion 154.00 (153.70 to 154.70): E

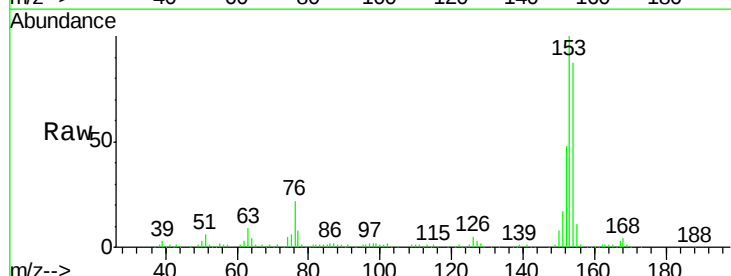
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51
Acenaphthene
Concen: 17.23 ng
RT: 10.34 min Scan# 757
Delta R.T. -0.10 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.4	137.0
152	55.4	43.4	65.2

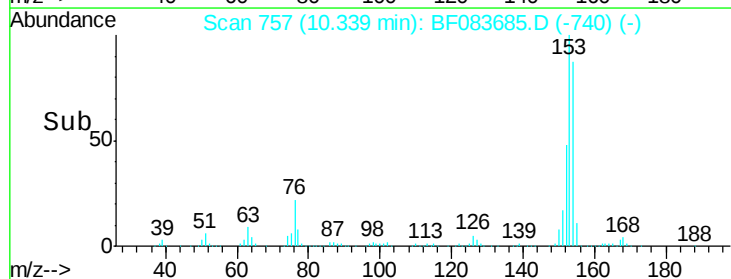
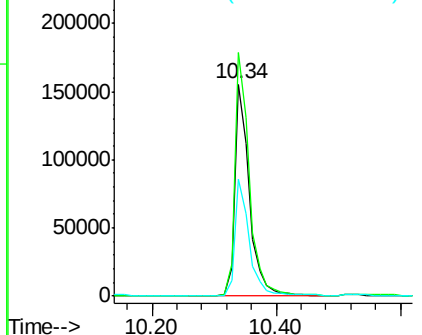


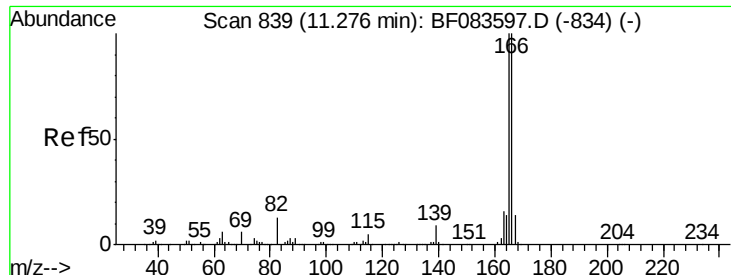
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 7.14 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.08 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Instrument :

BNA_F

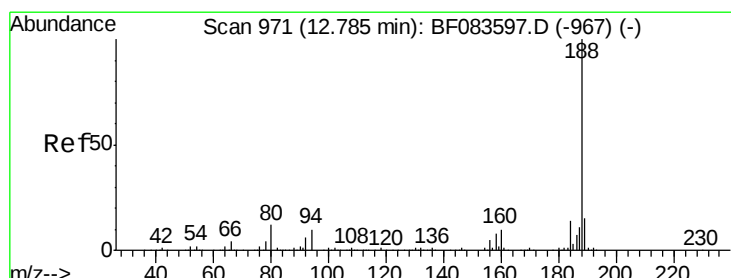
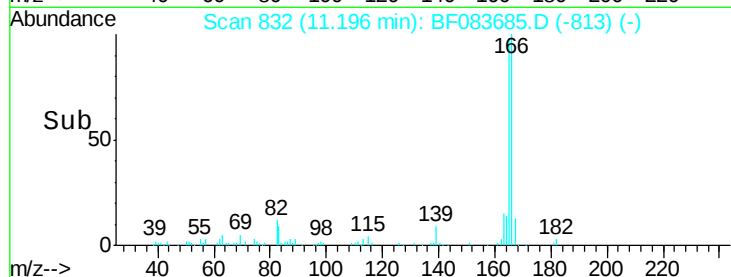
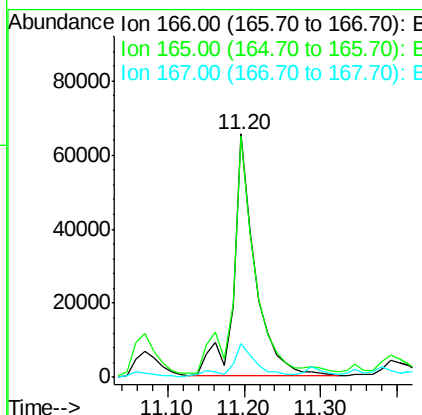
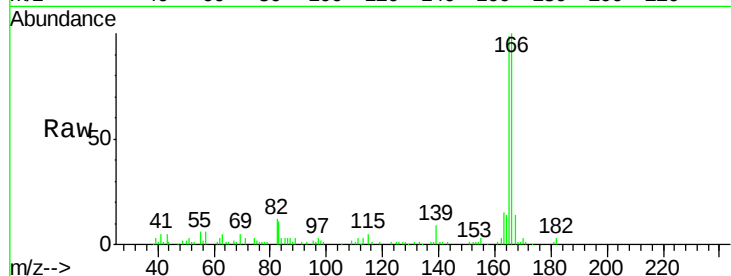
ClientSampleId :

SB-P3WC-08(8-14)DL

Tot Ion:	166	Resp:	127360
Ion Ratio		Lower	Upper
166	100		
165	99.2	80.0	120.0
167	13.8	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

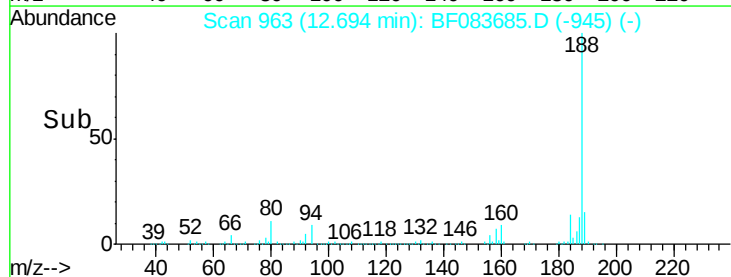
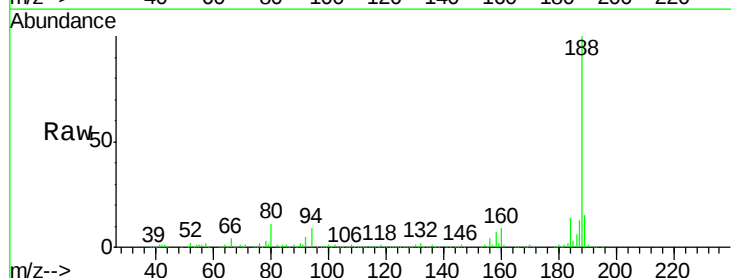
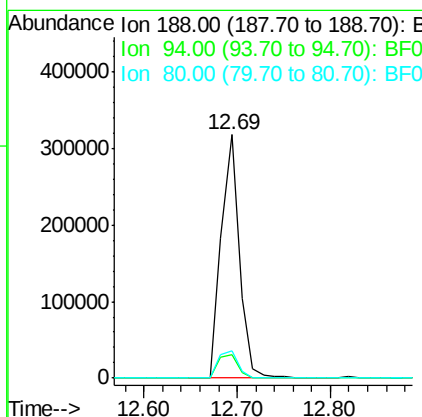
RT: 12.69 min Scan# 963

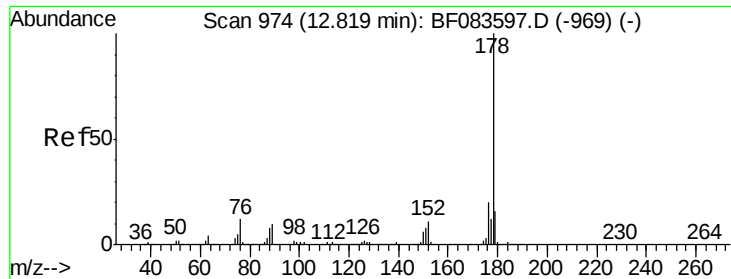
Delta R.T. -0.09 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Tgt Ion:	188	Resp:	432503
Ion Ratio		Lower	Upper
188	100		
94	9.4	9.4	14.2#
80	11.3	10.6	16.0





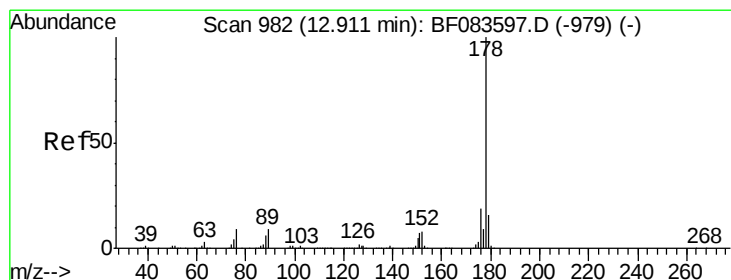
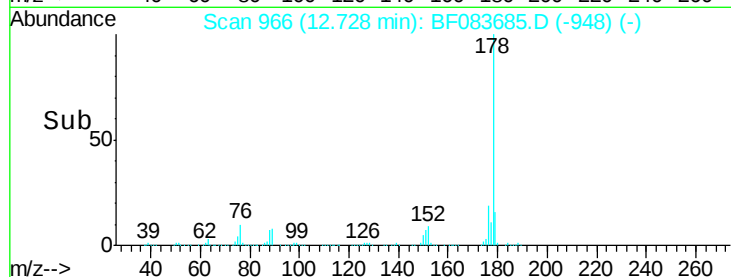
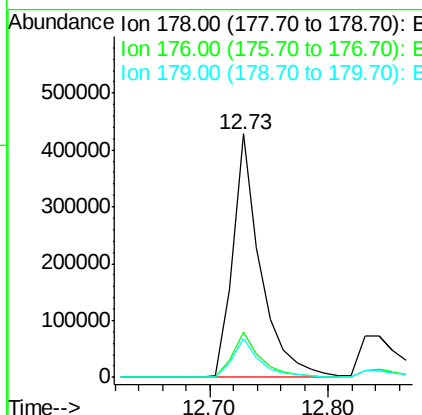
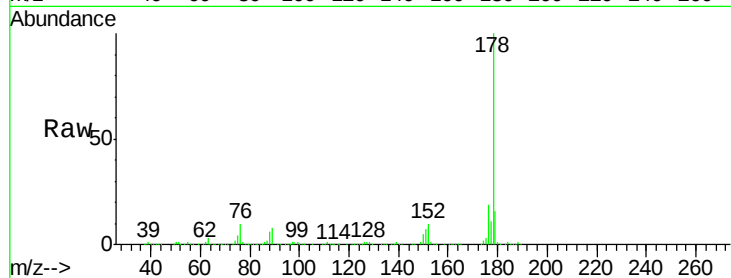
#70
Phenanthrene
Concen: 28.09 ng
RT: 12.73 min Scan# 966
Delta R.T. -0.09 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.9	12.2	18.4

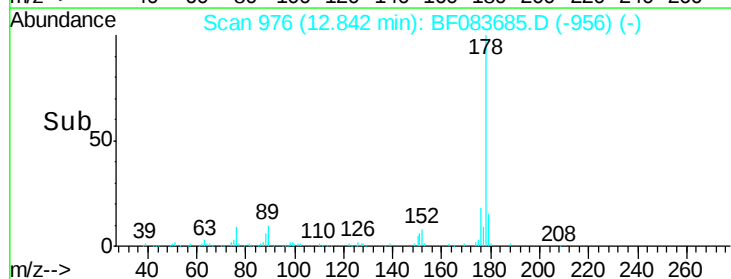
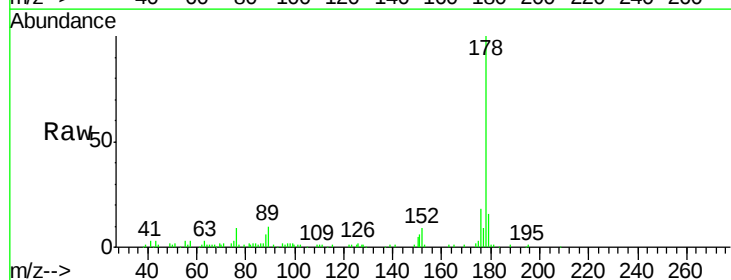
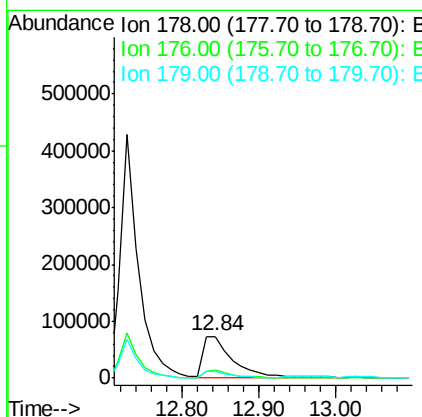
Manual Integrations
APPROVED

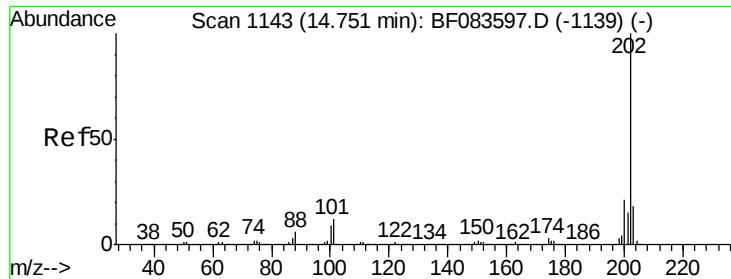
MMdadoda
12/11/2015 6:01:34 PM



#71
Anthracene
Concen: 7.58 ng
RT: 12.84 min Scan# 976
Delta R.T. -0.07 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.2	22.8
179	16.1	12.6	18.8





#74

Fluoranthene

Concen: 13.06 ng

RT: 14.67 min Scan# 1136

Delta R.T. -0.08 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Instrument :

BNA_F

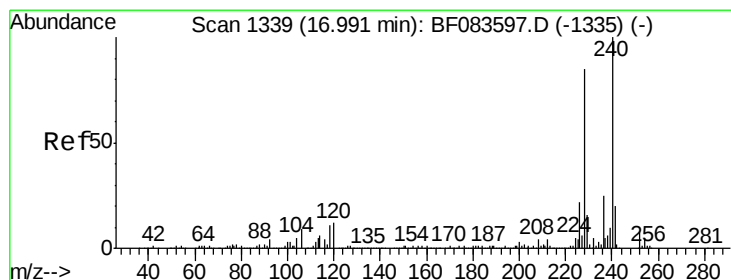
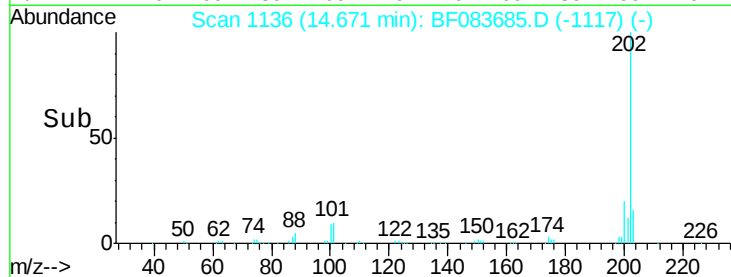
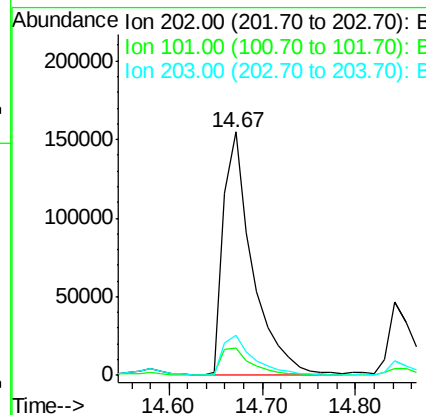
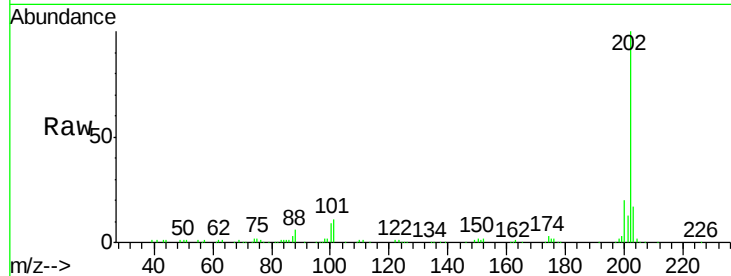
ClientSampleId :

SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	331990		
101	11.1	0.0	31.5	
203	16.6	0.0	37.6	

Manual Integrations
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MMdadoda
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#75

Chrysene-d12

Concen: 20.00 ng

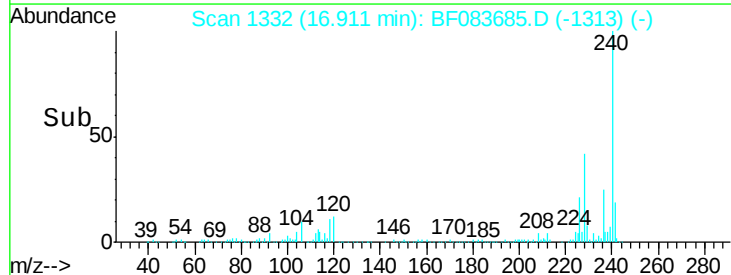
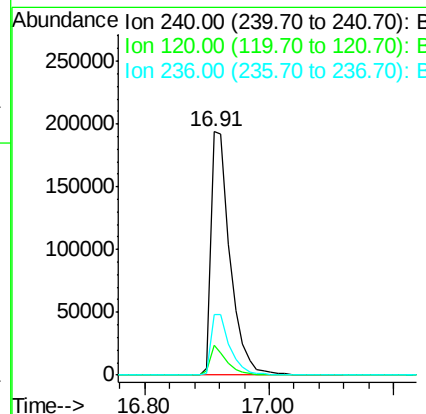
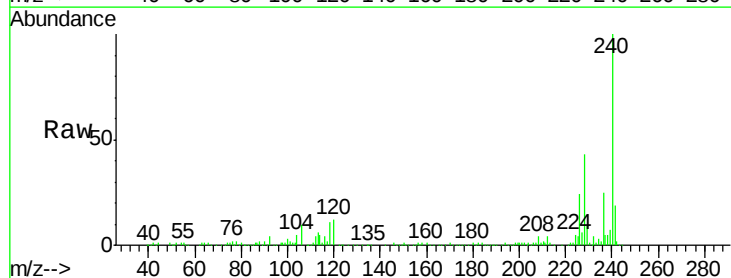
RT: 16.91 min Scan# 1332

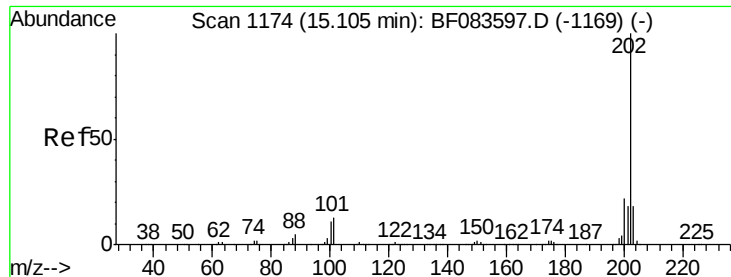
Delta R.T. -0.08 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	411229		
120	12.4	8.1	12.1#	
236	24.7	20.8	31.2	





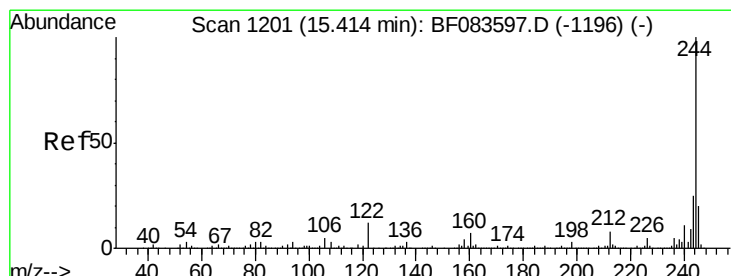
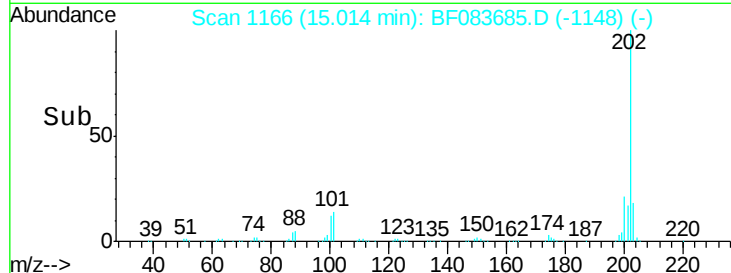
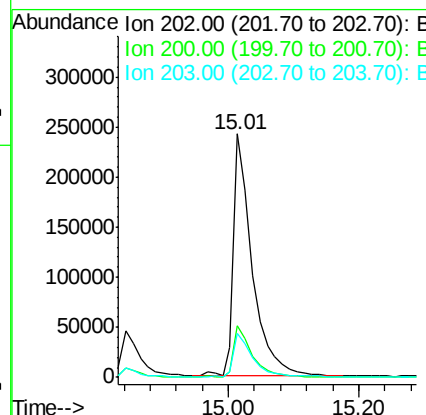
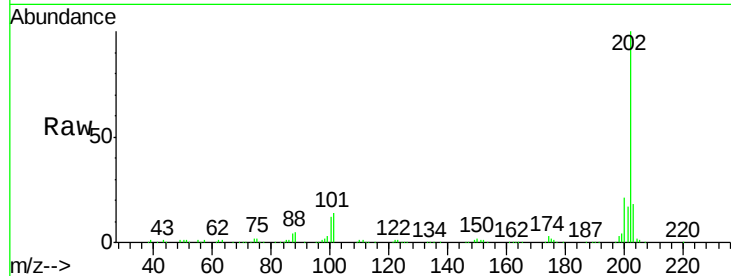
#77
Pvrene
Concen: 16.28 ng
RT: 15.01 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	18.1	14.3	21.5

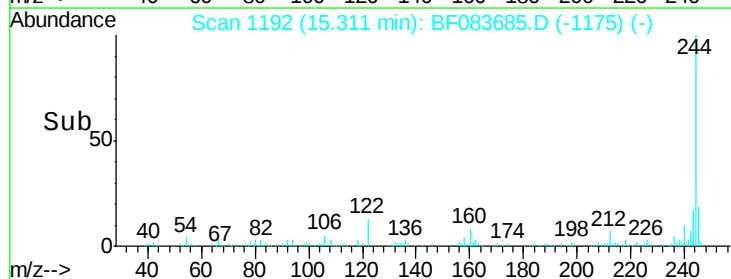
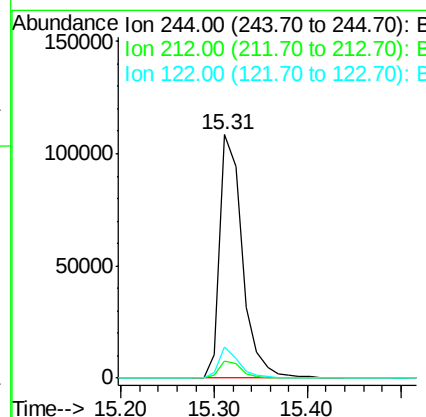
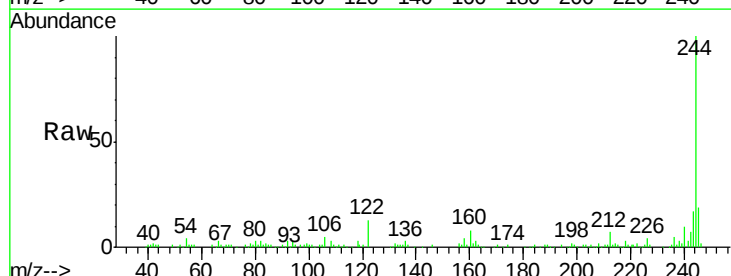
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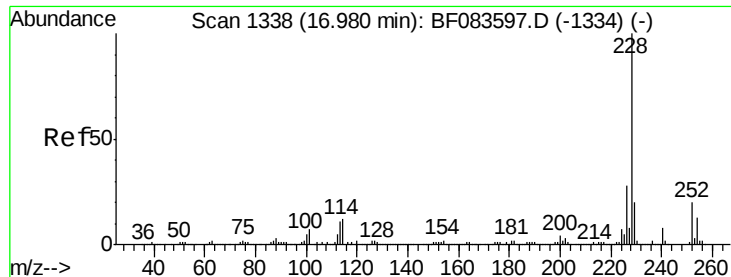
MMdadoda
12/11/2015 6:01:34 PM



#78
Terphenyl-d14
Concen: 10.41 ng
RT: 15.31 min Scan# 1192
Delta R.T. -0.10 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.8	11.0	16.6





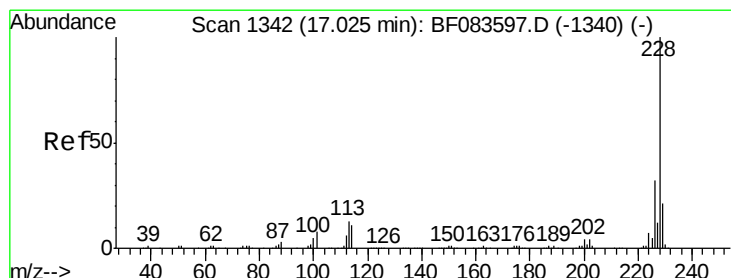
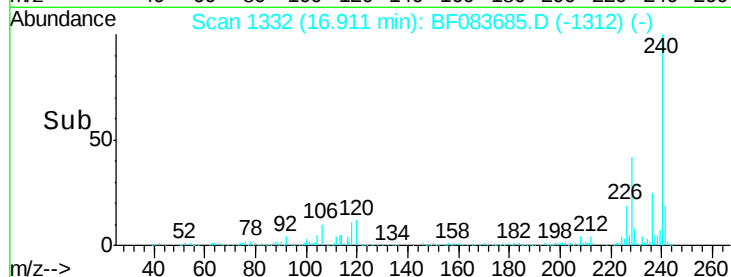
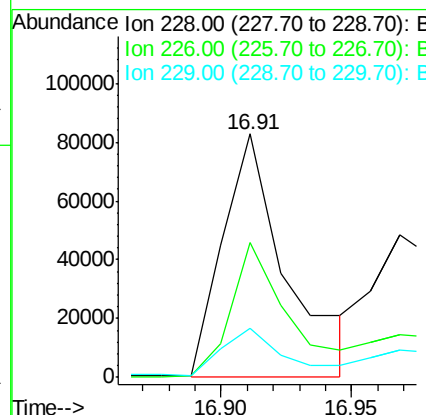
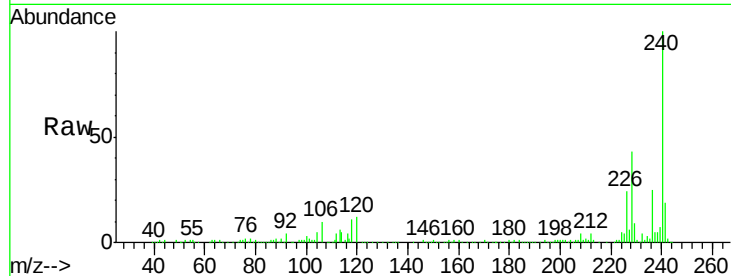
#80
Benzo(a)anthracene
Concen: 5.85 ng m
RT: 16.91 min Scan# 1332
Delta R.T. -0.07 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	55.3	22.3	33.5#
229	20.3	15.7	23.5

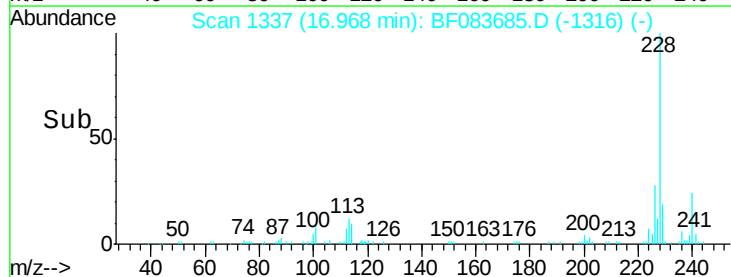
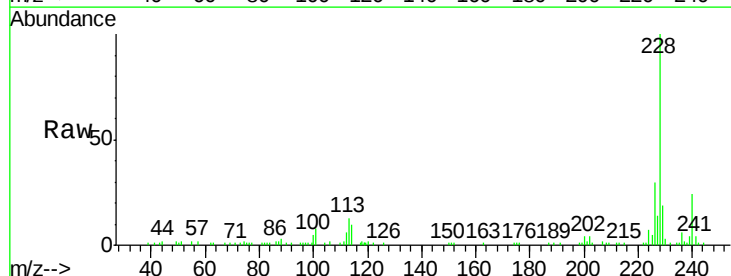
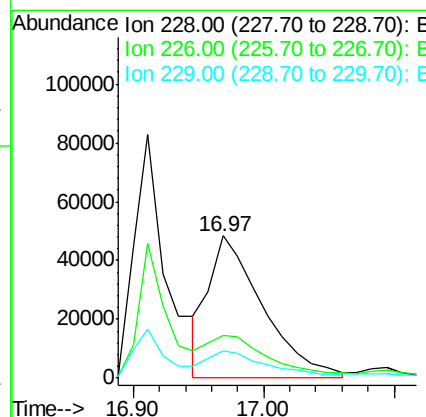
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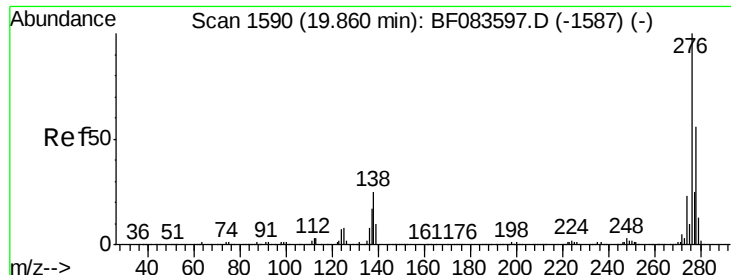
MMdadoda
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#82
Chrysene
Concen: 5.76 ng
RT: 16.97 min Scan# 1337
Delta R.T. -0.06 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	19.1	16.3	24.5





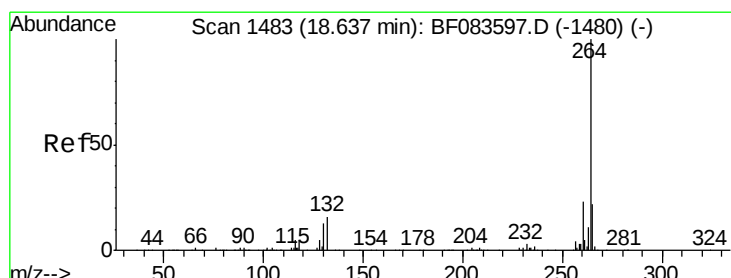
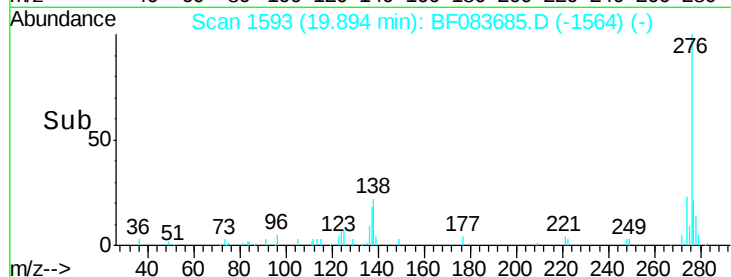
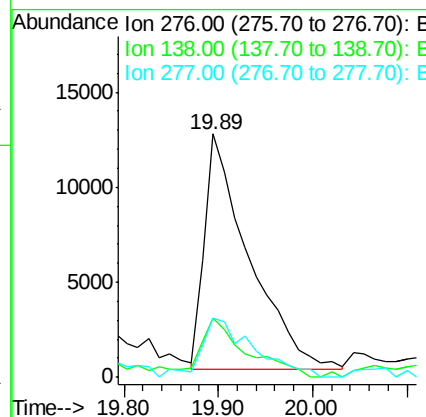
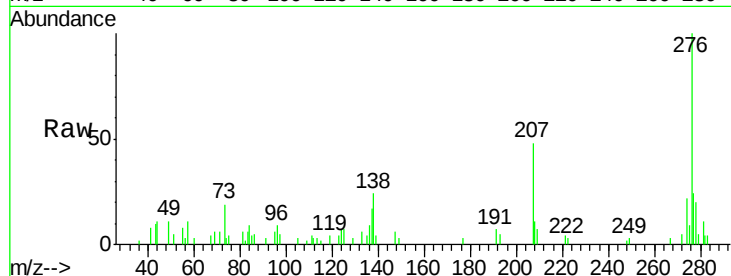
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.50 ng/mL
RT: 19.89 min Scan# 1593
Delta R.T. 0.03 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	40664		
138	8.3	0.0	0.0	0.0
277	0.0	0.0	0.0	0.0

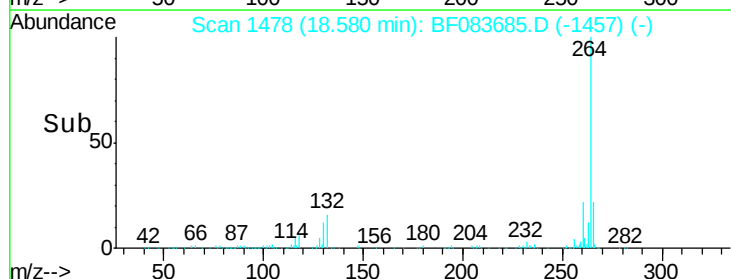
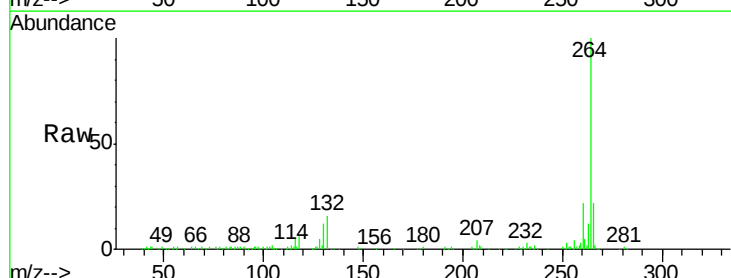
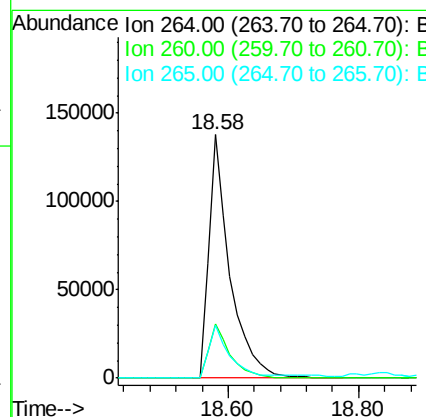
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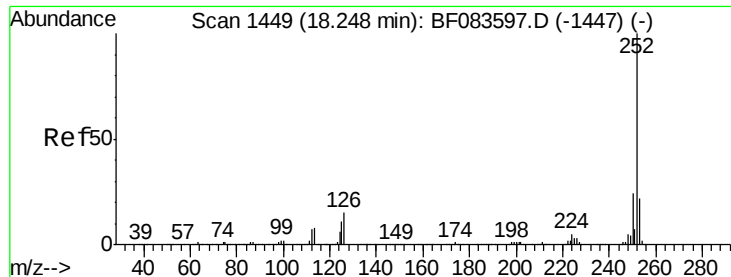
MMdadoda
12/11/2015 6:01:34 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.58 min Scan# 1478
Delta R.T. -0.06 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	306266		
260	22.5	19.4	29.0	
265	21.9	17.8	26.6	





#87

Benzo(b)fluoranthene

Concen: 5.28 ng m

RT: 18.23 min Scan# 1447

Delta R.T. -0.02 min

Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Instrument :

BNA_F

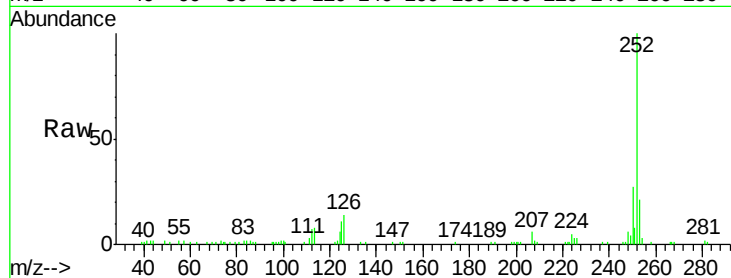
ClientSampleId :

SB-P3WC-08(8-14)DL

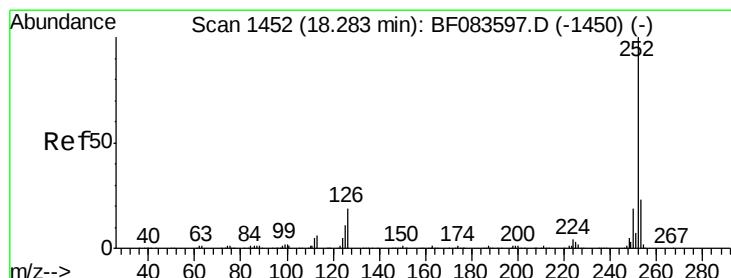
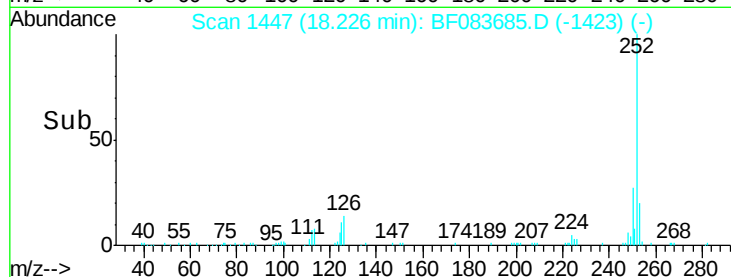
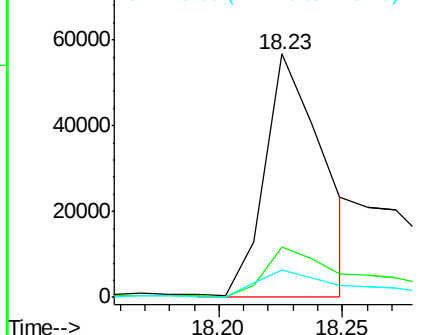
Tot Ion:	252	Resp:	92124
Ion Ratio	Lower	Upper	
252	100		
253	20.7	18.2	27.4
125	11.4	8.2	12.4

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.50 ng m

RT: 18.25 min Scan# 1449

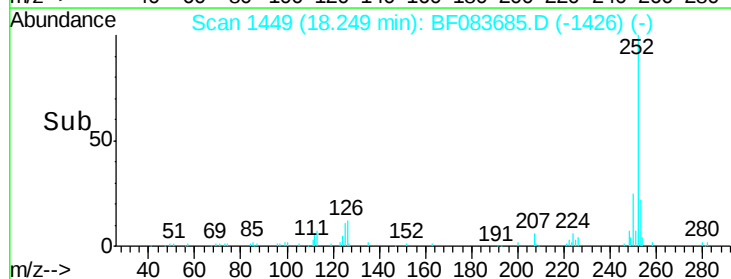
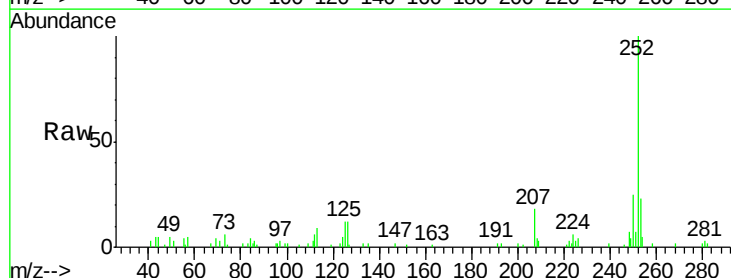
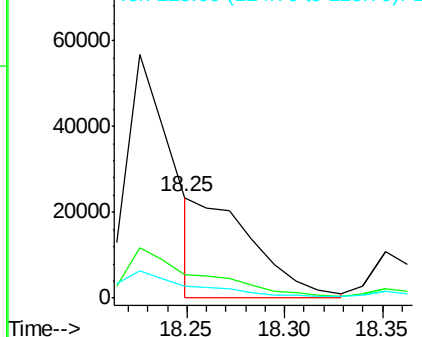
Delta R.T. -0.03 min

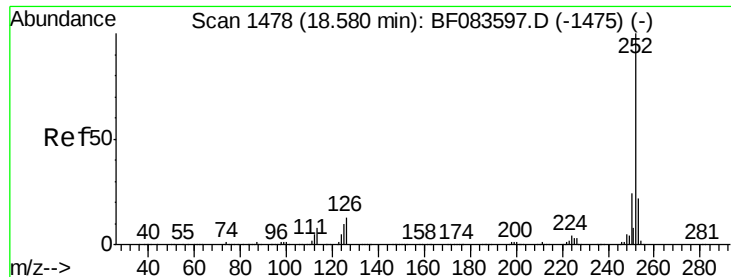
Lab File: BF083685.D

Acq: 10 Dec 2015 19:31

Tgt Ion:	252	Resp:	48097
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.6	27.8
125	12.0	11.5	17.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





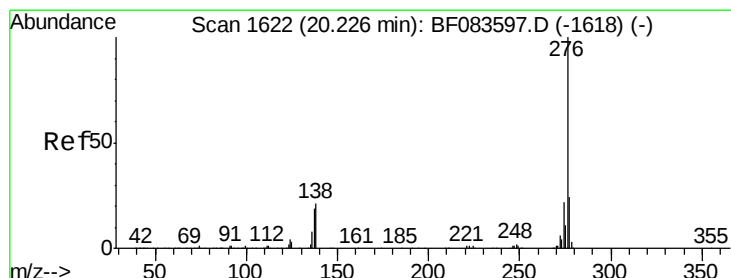
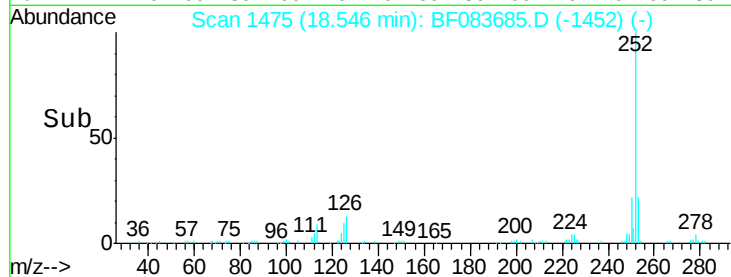
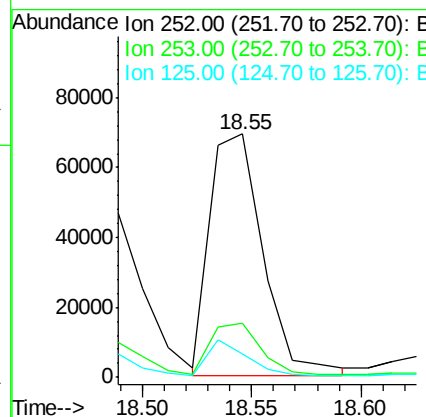
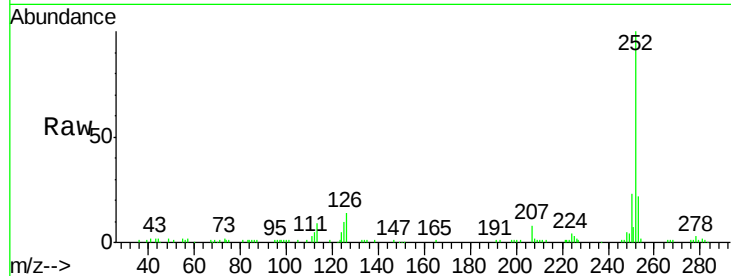
#89
Benzo(a)pyrene
Concen: 6.93 ng/ml
RT: 18.55 min Scan# 1475
Delta R.T. -0.03 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.8	11.0	16.6

Manual Integrations
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12/11/2015 6:01:34 PM



#91
Benzo(g,h,i)perylene
Concen: 3.74 ng/ml
RT: 20.25 min Scan# 1624
Delta R.T. 0.02 min
Lab File: BF083685.D
Acq: 10 Dec 2015 19:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.2	28.8
138	21.4	19.5	29.3

