

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083655.D
 Acq On : 9 Dec 2015 23:01
 Operator : UM/IZ
 Sample : G4585-05DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)DL

Manual Integrations
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 12/10/2015 5:50:19 PM

Quant Time: Dec 10 04:31:10 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	174681	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	657594	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	308799	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	474828	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	388577	20.00	ng	-0.02
86) Perylene-d12	18.61	264	320584	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	274450	23.83	ng	-0.01
7) Phenol-d6	5.25	99	399740	25.98	ng	-0.02
23) Nitrobenzene-d5	6.51	82	255470	18.13	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	48080	17.48	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	423115	19.28	ng	-0.03
78) Terphenyl-d14	15.38	244	285965	17.32	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.61	128	1195310	34.32	ng	99
37) 2-Methylnaphthalene	8.72	142	179461	8.20	ng	95
45) 1,1'-Biphenyl	9.47	154	115263	4.29	ng	97
48) Acenaphthylene	10.13	152	108229	3.24	ng	100
51) Acenaphthene	10.41	154	325710	17.03	ng	98
57) Fluorene	11.25	166	205300	8.87	ng	100
70) Phenanthrene	12.80	178	1042835	38.23	ng	99
71) Anthracene	12.89	178	267291	9.46	ng	98
74) Fluoranthene	14.73	202	512256	18.35	ng	98
77) Pyrene	15.08	202	693239	24.78	ng	99
80) Benzo(a)anthracene	16.96	228	204364m	8.99	ng	
82) Chrysene	17.01	228	175798	7.71	ng	98
85) Indeno(1,2,3-cd)pyrene	19.87	276	67158	4.36	ng	# 100
87) Benzo(b)fluoranthene	18.24	252	159880m	8.76	ng	
88) Benzo(k)fluoranthene	18.27	252	52006m	2.59	ng	
89) Benzo(a)pyrene	18.57	252	175266m	9.84	ng	
91) Benzo(a,h,i)perylene	20.23	276	74573	5.62	ng	98

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

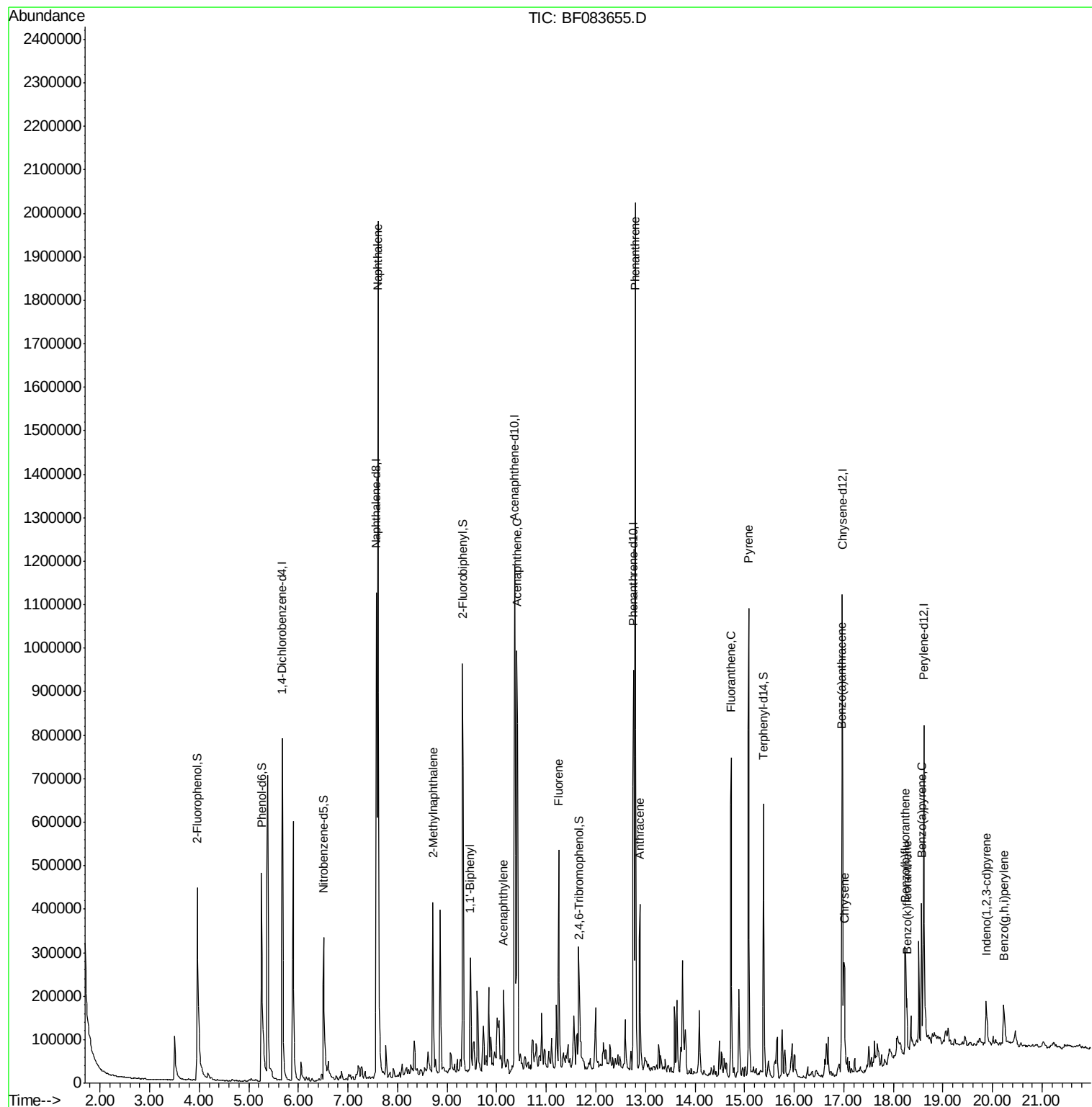
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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ALS Vial : 21 Sample Multiplier: 1

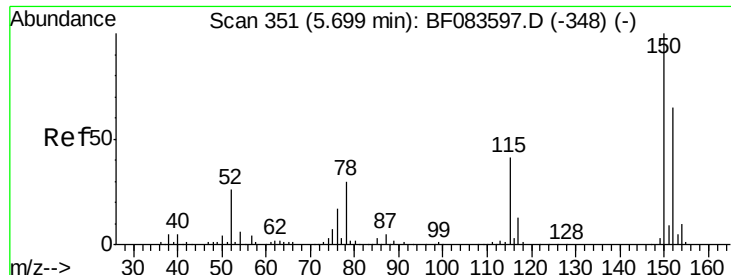
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)DL

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Quant Time: Dec 10 04:31:10 2015
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#1

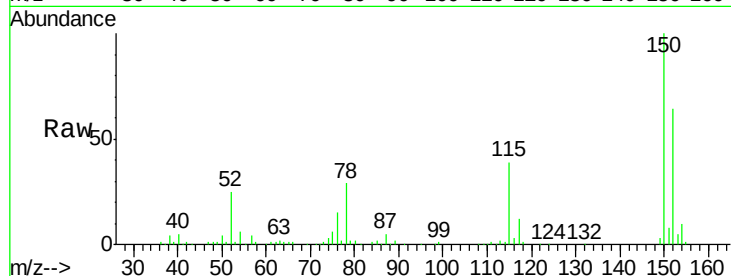
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.5	189.7
115	60.7	52.3	78.5

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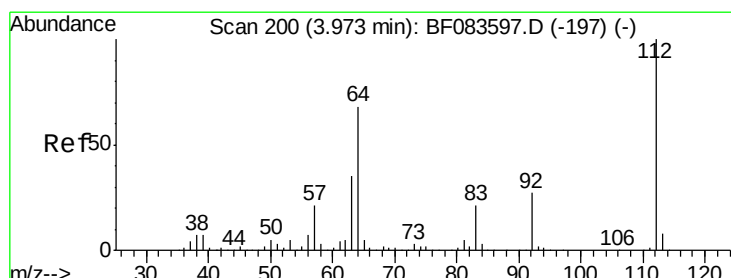
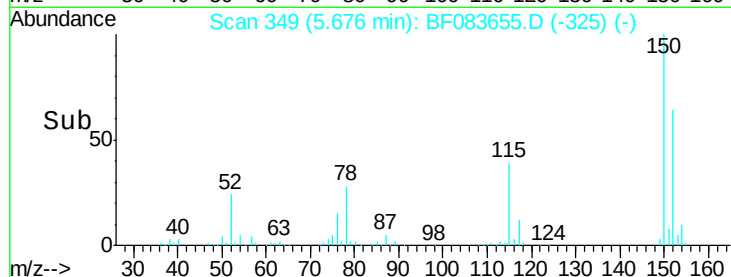
Abundance

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

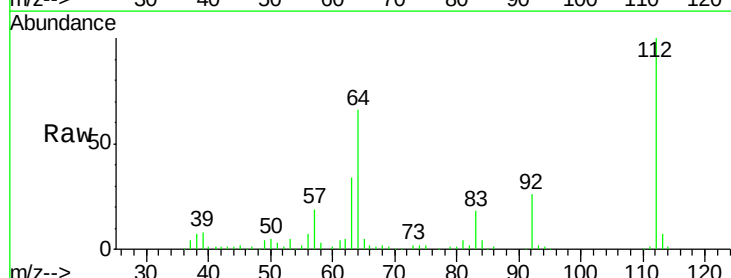
Time-->



#5

2-Fluorophenol
Concen: 23.83 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	50.5	75.7
63	33.9	25.8	38.6



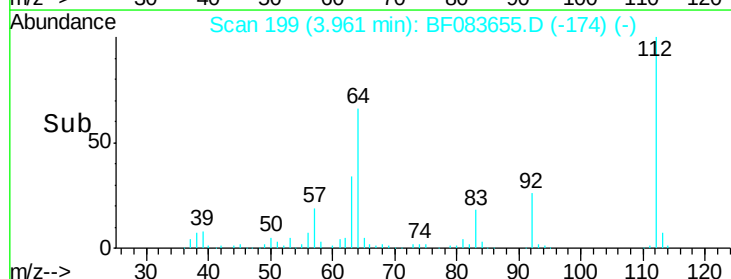
Abundance

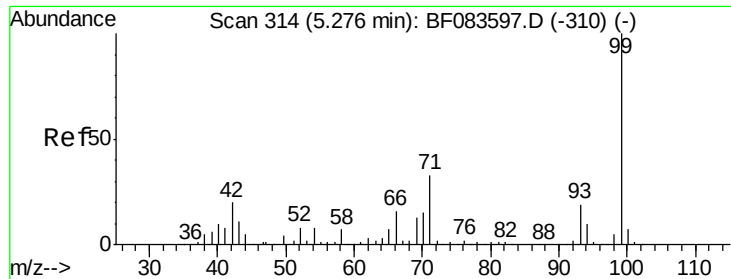
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 25.98 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Instrument :

BNA_F

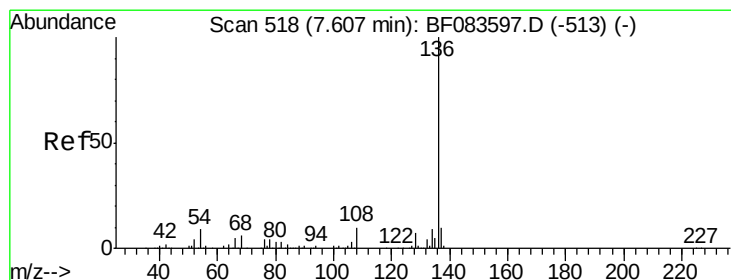
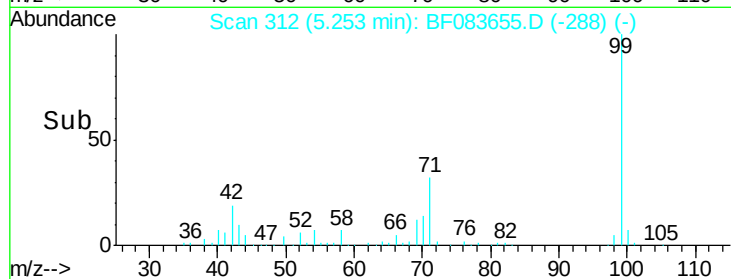
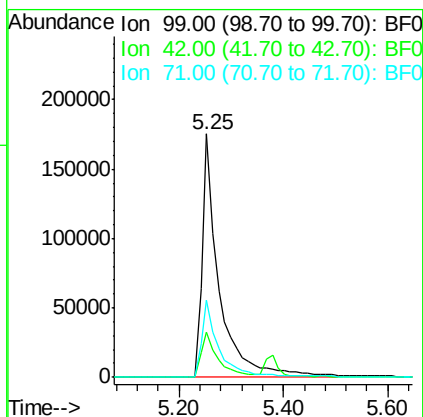
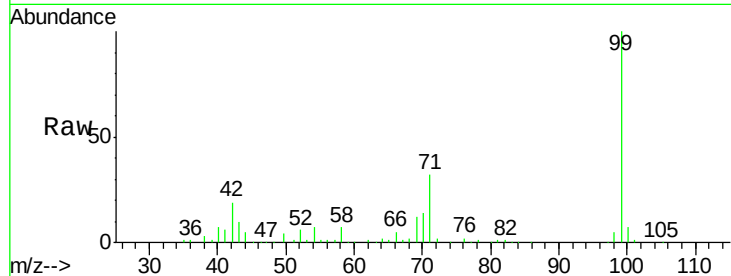
ClientSampleId :

SB-P3WC-15(0-8)DL

Tot Ion:	99	Resp:	399740
Ion Ratio	Lower	Upper	
99	100		
42	18.8	17.3	25.9
71	31.7	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

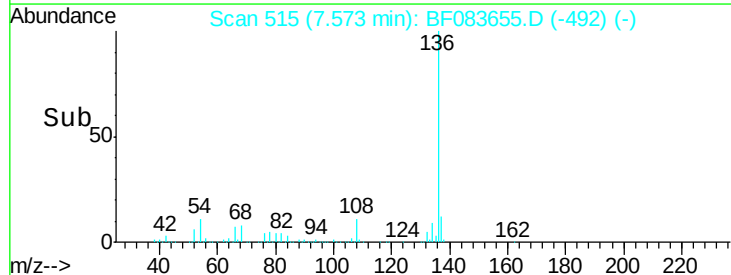
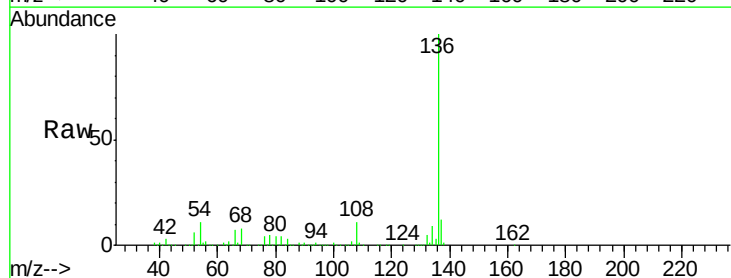
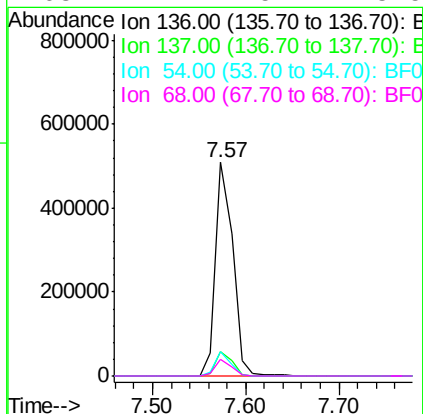
RT: 7.57 min Scan# 515

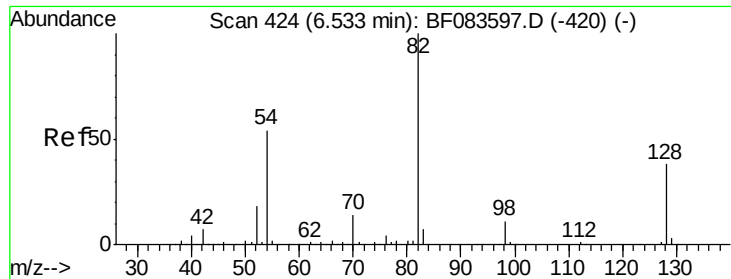
Delta R.T. -0.03 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Tgt Ion:	136	Resp:	657594
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.7	13.1
54	11.4	7.8	11.6
68	7.7	5.7	8.5





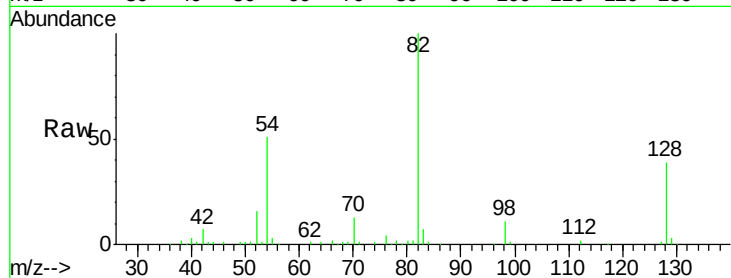
#23
 Nitrobenzene-d5
 Concen: 18.13 ng
 RT: 6.51 min Scan# 422
 Delta R.T. -0.02 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)DL

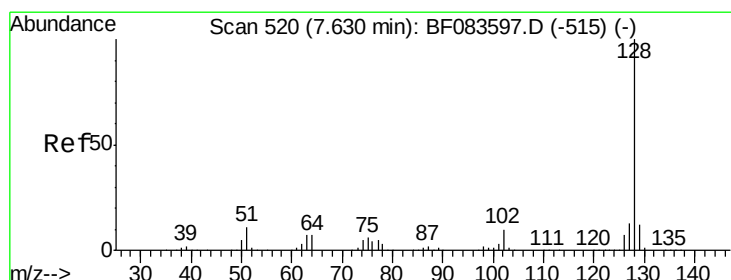
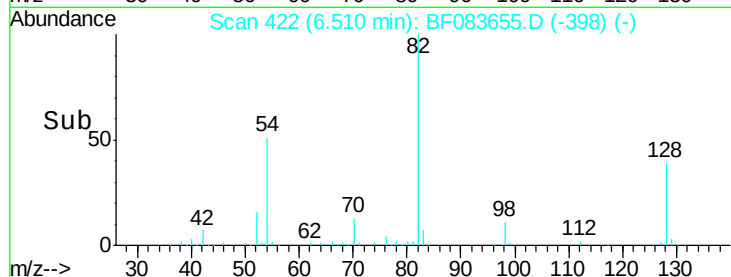
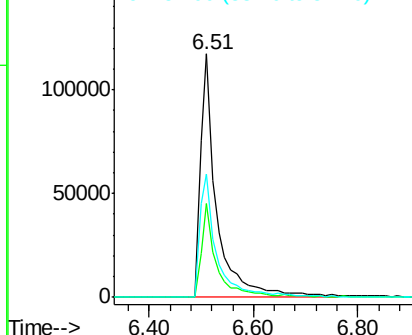
Tot Ion	Ratio	Resp	Lower	Upper
82	100	255470		
128	38.6	30.7	46.1	
54	50.8	42.5	63.7	

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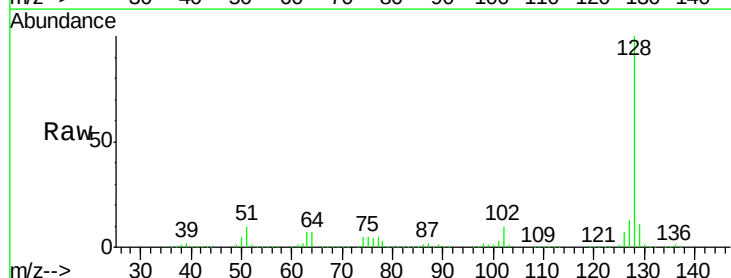


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

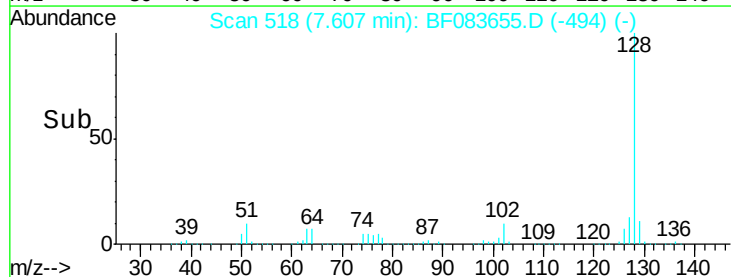
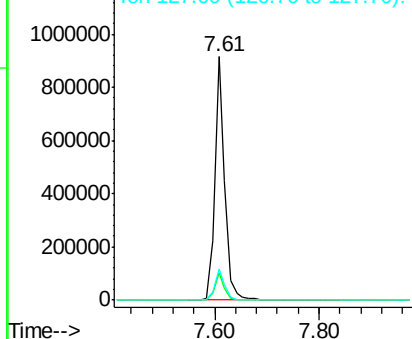


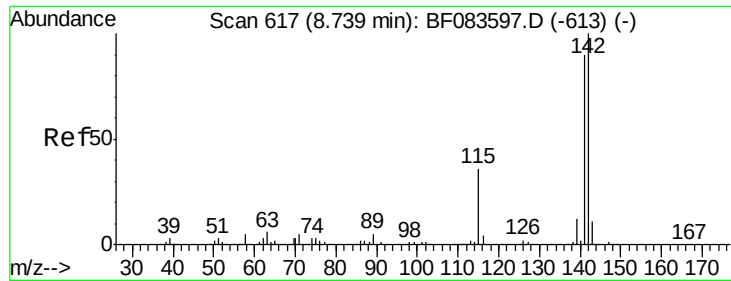
#31
 Naphthalene
 Concen: 34.32 ng
 RT: 7.61 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1195310		
129	11.2	8.6	13.0	
127	13.0	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





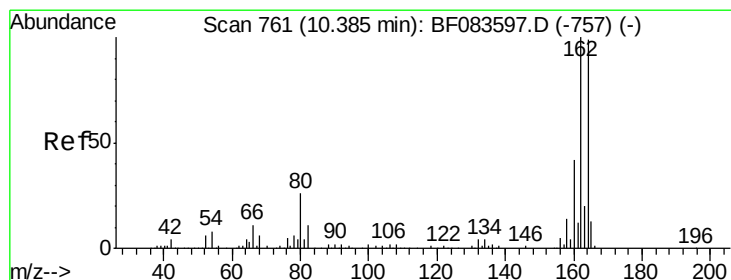
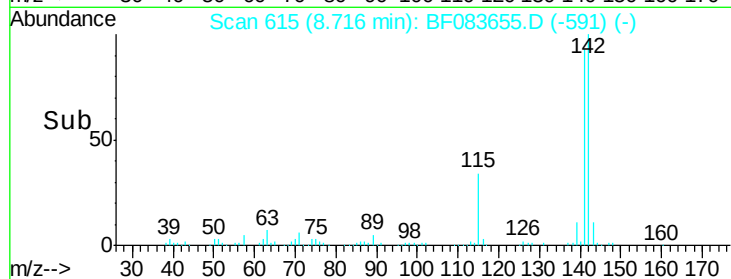
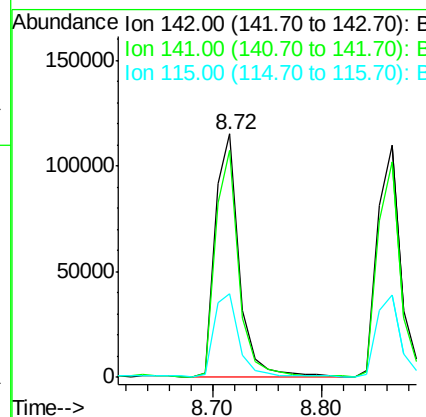
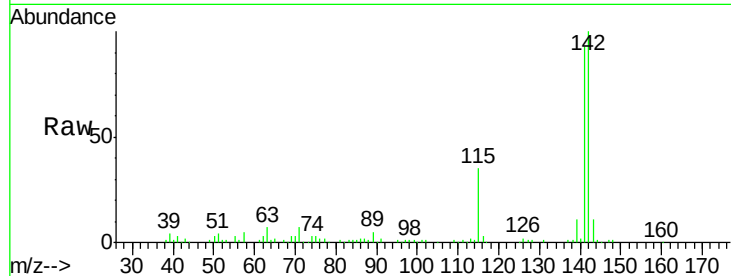
#37
2-Methylnaphthalene
Concen: 8.20 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.3	70.3	105.5
115	34.6	29.2	43.8

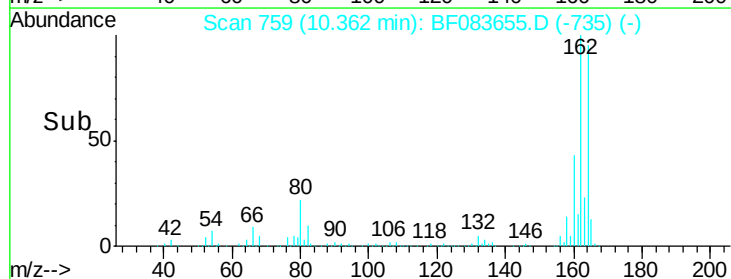
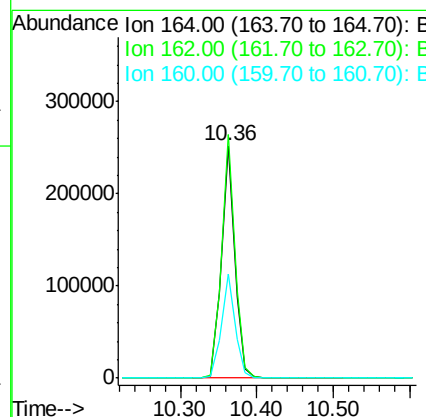
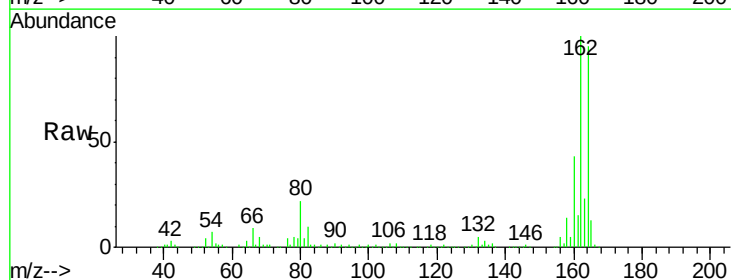
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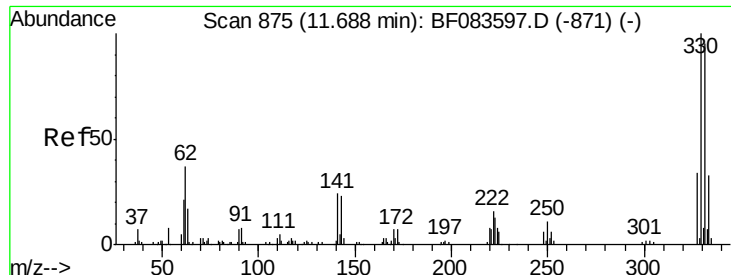
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	78.8	118.2
160	44.6	33.4	50.2





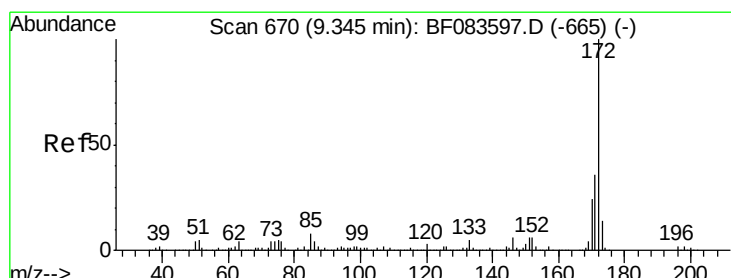
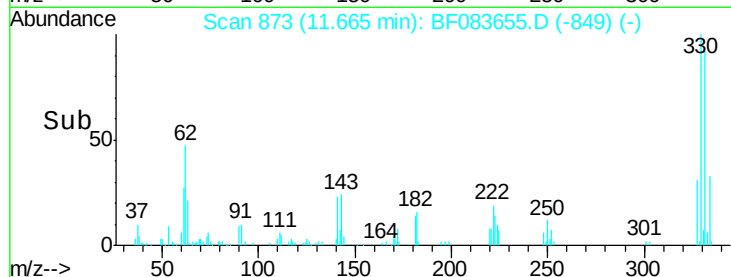
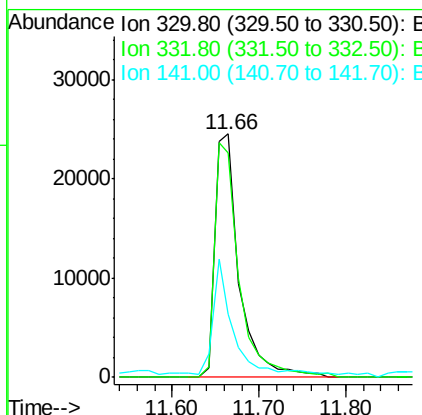
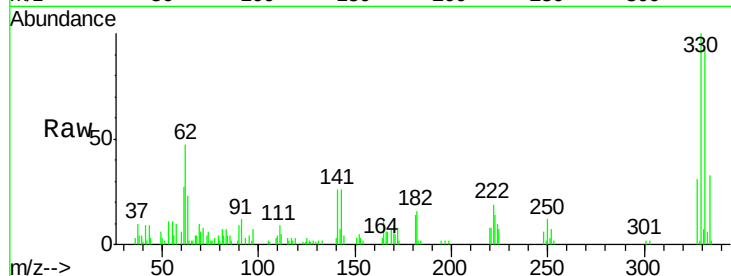
#41
 2,4,6-Tribromophenol
 Concen: 17.48 ng
 RT: 11.66 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	48080		
332	97.9	0.0	0.0	0.0
141	41.4	0.0	0.0	0.0

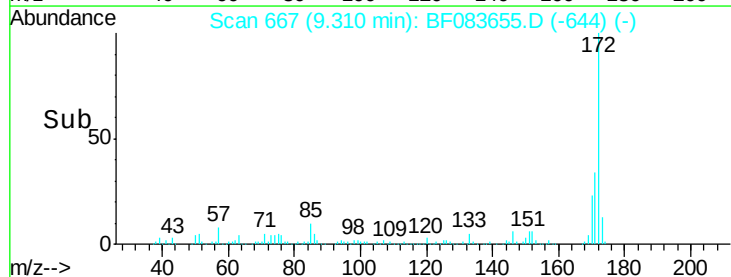
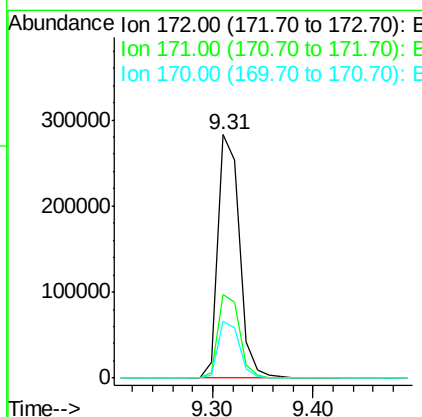
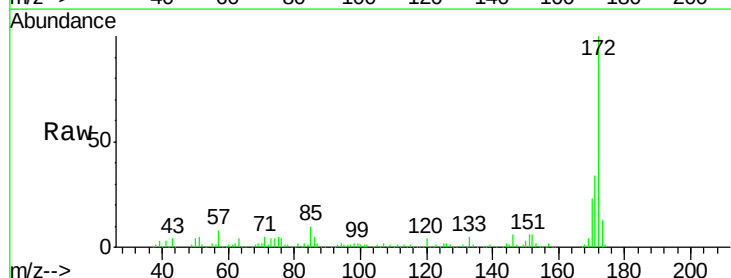
Manual Integrations
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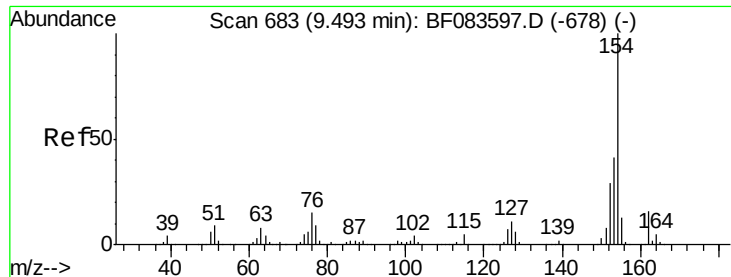
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#44
 2-Fluorobiphenyl
 Concen: 19.28 ng
 RT: 9.31 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	423115		
171	34.1	28.6	42.8	
170	23.2	19.4	29.0	





#45

1,1'-Biphenyl

Concen: 4.29 ng

RT: 9.47 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Instrument :

BNA_F

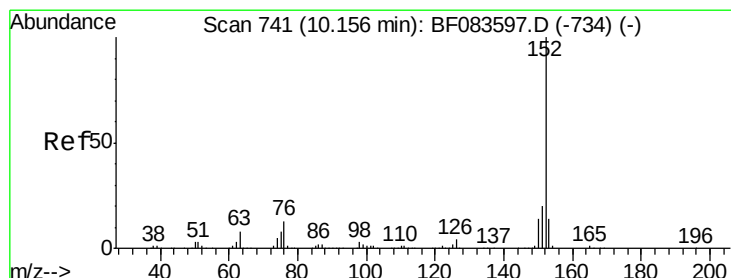
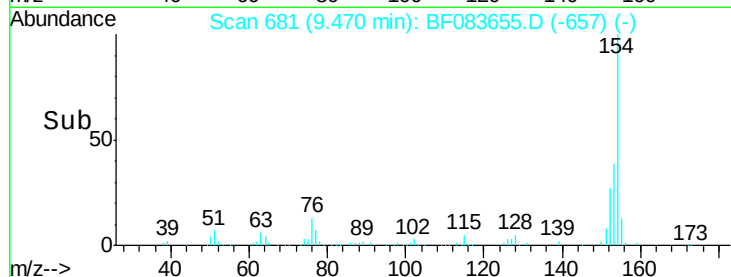
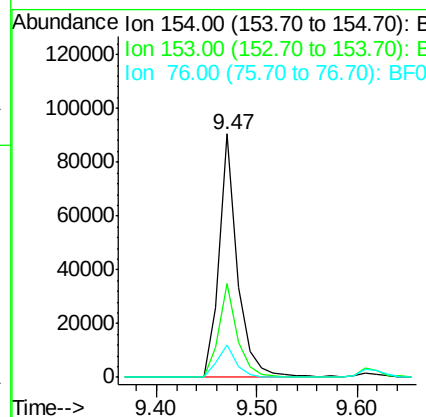
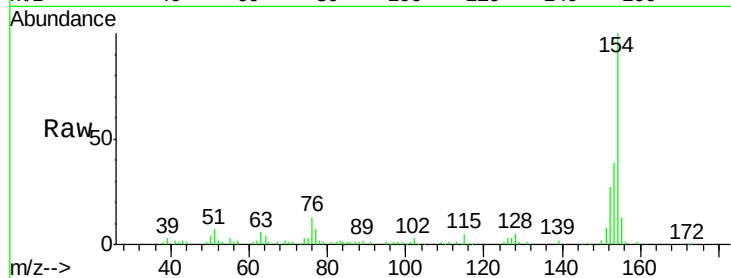
ClientSampleId :

SB-P3WC-15(0-8)DL

Tot Ion:	154	Resp:	115263
Ion Ratio	Lower	Upper	
154	100		
153	38.6	20.2	60.2
76	13.1	0.0	34.8

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#48

Acenaphthylene

Concen: 3.24 ng

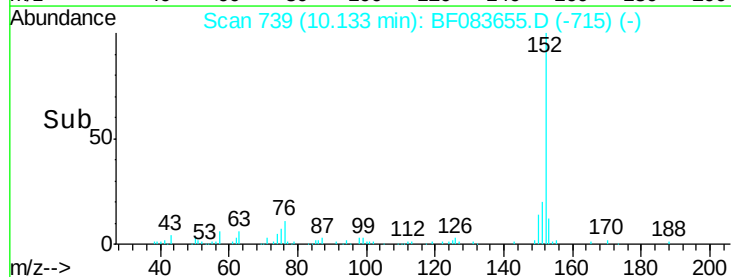
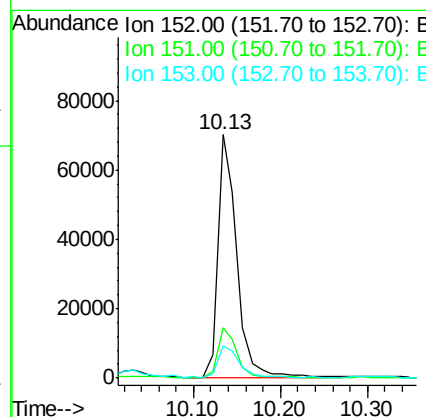
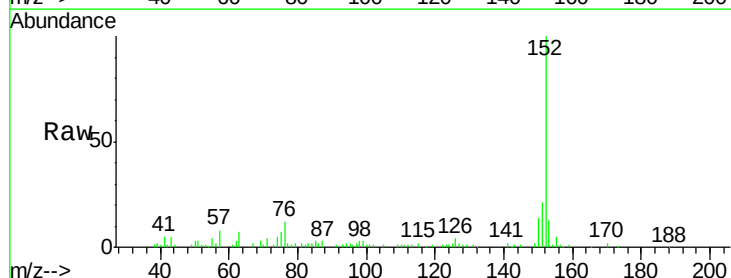
RT: 10.13 min Scan# 739

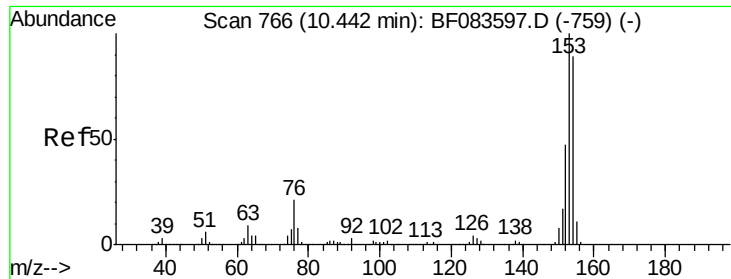
Delta R.T. -0.02 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Tgt Ion:	152	Resp:	108229
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	13.4	10.8	16.2





#51

Acenaphthene

Concen: 17.03 ng

RT: 10.41 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Instrument :

BNA_F

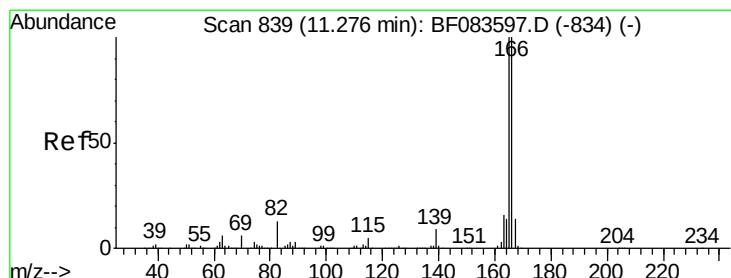
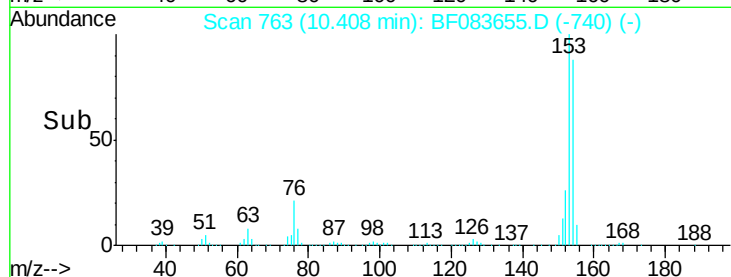
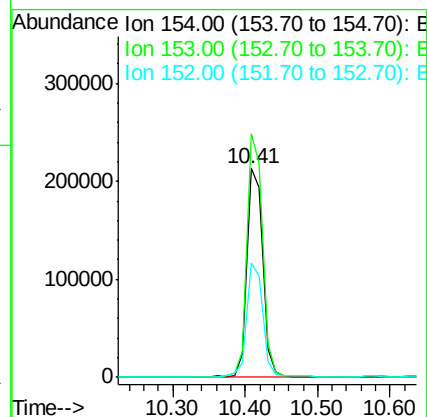
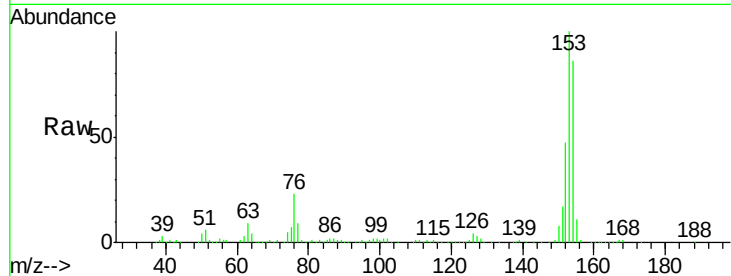
ClientSampleId :

SB-P3WC-15(0-8)DL

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Tot Ion:	154	Resp:	325710
Ion Ratio	Lower	Upper	
154	100		
153	116.6	91.4	137.0
152	54.9	43.4	65.2



#57

Fluorene

Concen: 8.87 ng

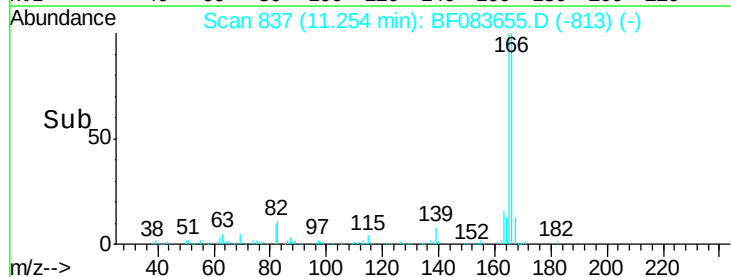
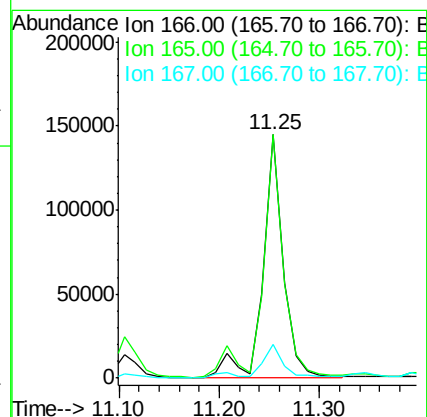
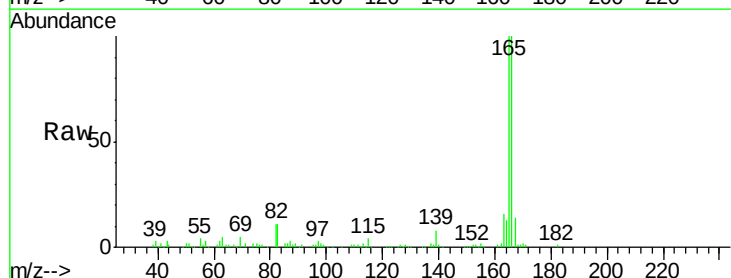
RT: 11.25 min Scan# 837

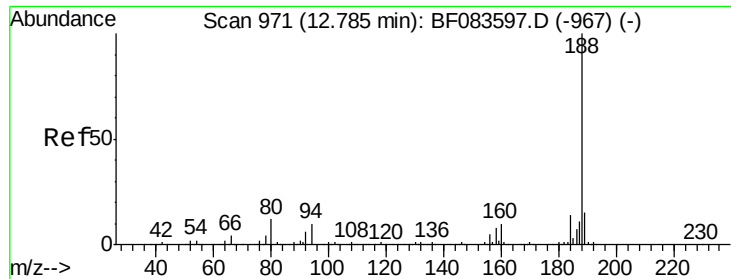
Delta R.T. -0.02 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Tgt Ion:	166	Resp:	205300
Ion Ratio	Lower	Upper	
166	100		
165	100.0	80.0	120.0
167	13.7	10.6	16.0





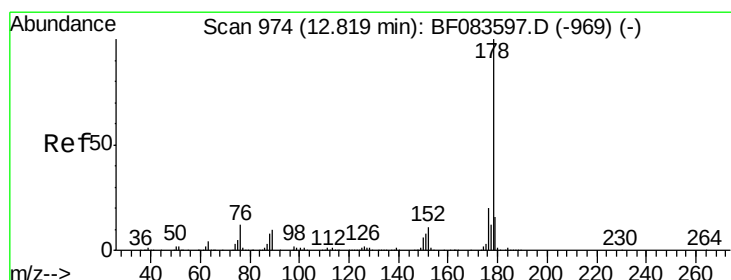
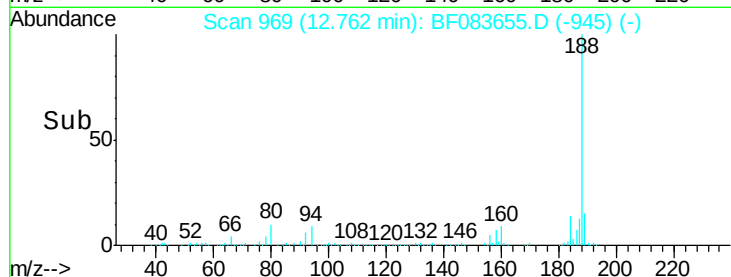
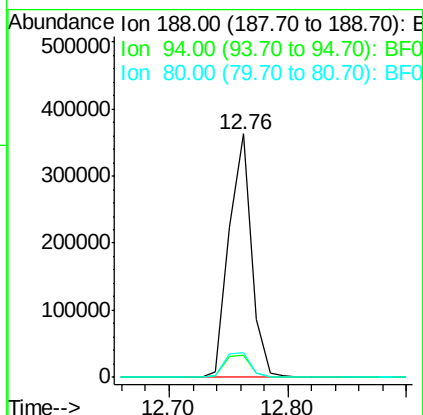
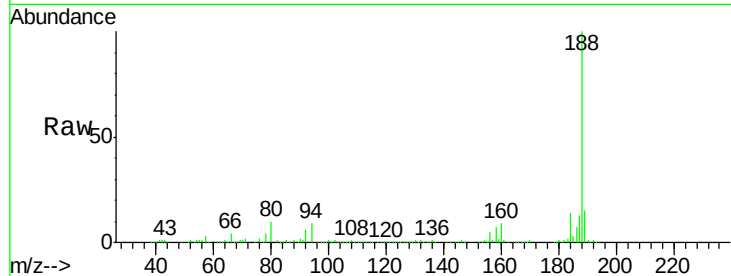
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	474828		
94	9.3		9.4	14.2#
80	10.0		10.6	16.0#

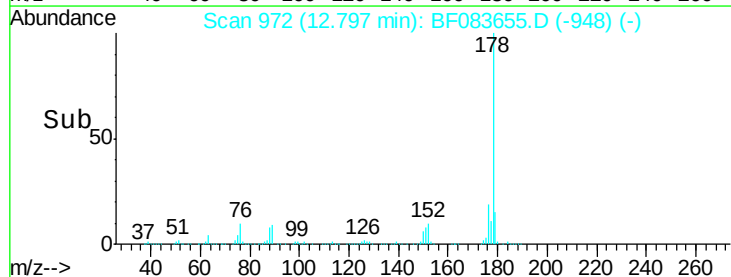
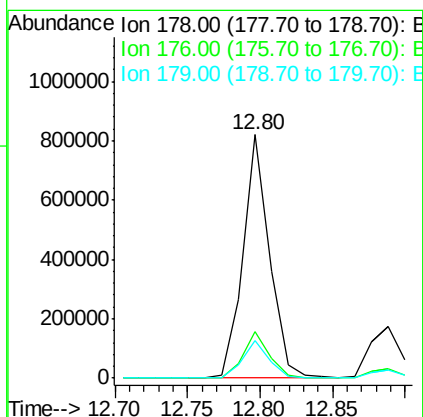
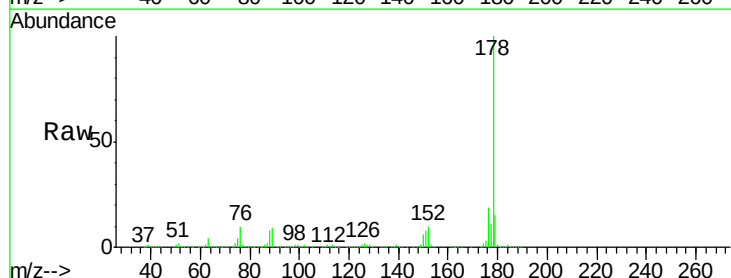
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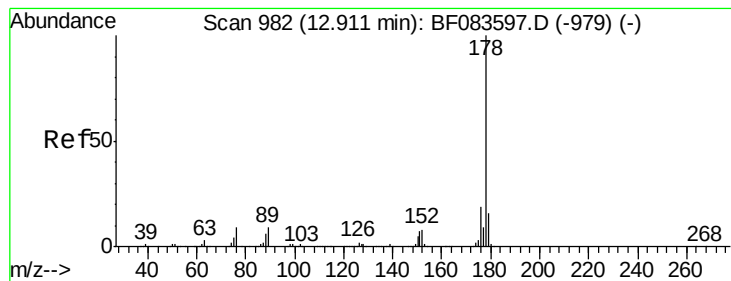
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#70
Phenanthrene
Concen: 38.23 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1042835		
176	18.9		15.7	23.5
179	15.5		12.2	18.4





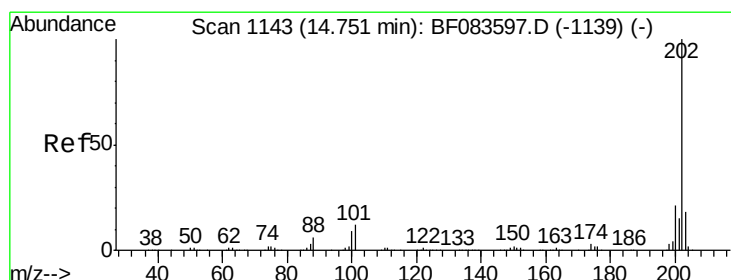
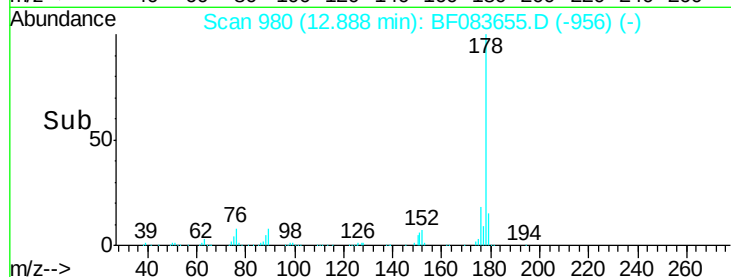
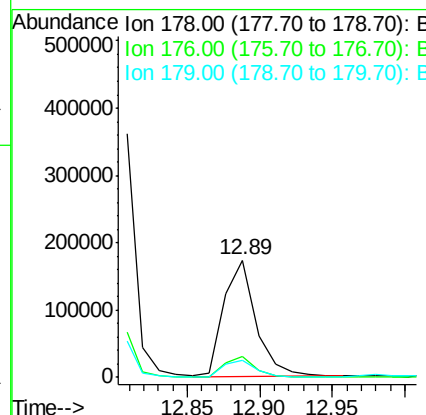
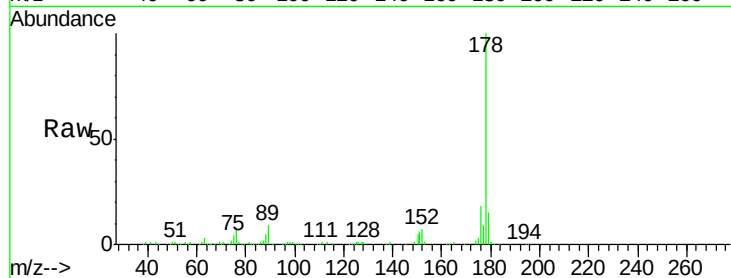
#71
 Anthracene
 Concen: 9.46 ng
 RT: 12.89 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.2	22.8
179	15.1	12.6	18.8

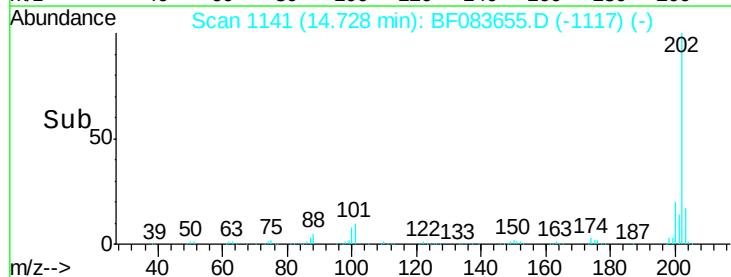
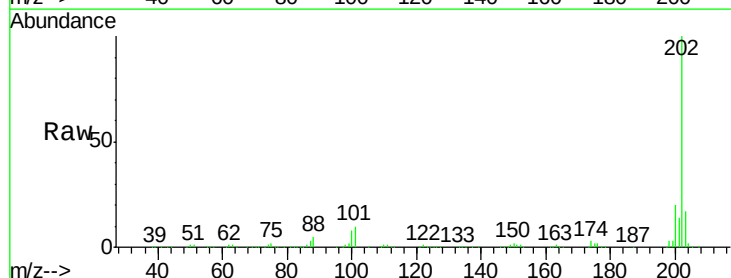
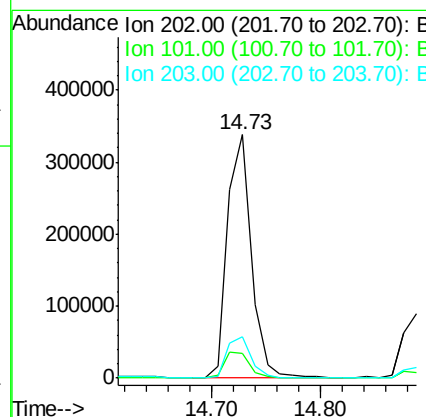
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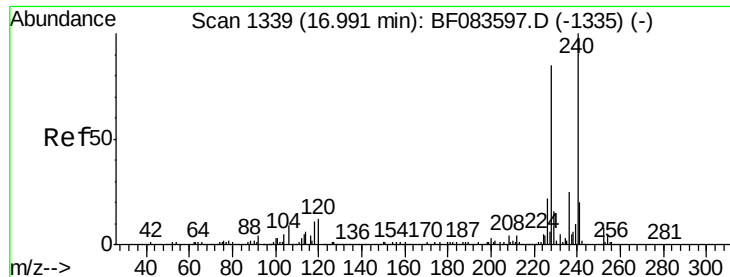
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#74
 Fluoranthene
 Concen: 18.35 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.5
203	17.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Instrument :

BNA_F

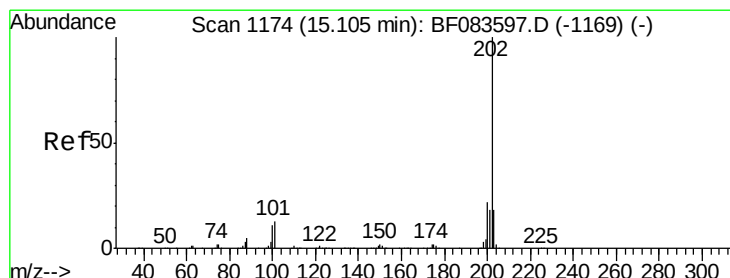
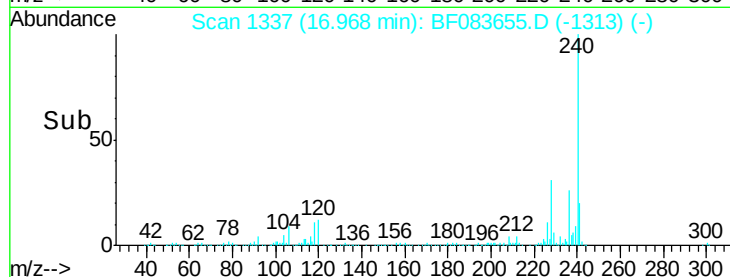
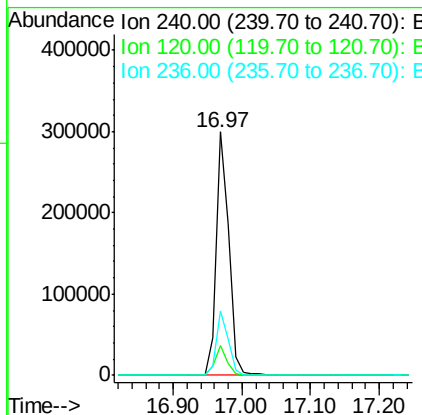
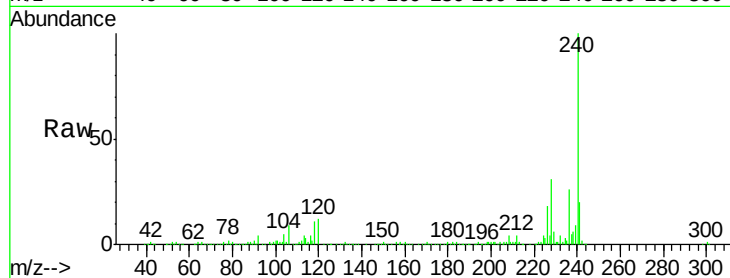
ClientSampleId :

SB-P3WC-15(0-8)DL

Tot Ion:	240	Resp:	388577
Ion Ratio	Lower	Upper	
240	100		
120	12.1	8.1	12.1
236	26.4	20.8	31.2

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#77

Pyrene

Concen: 24.78 ng

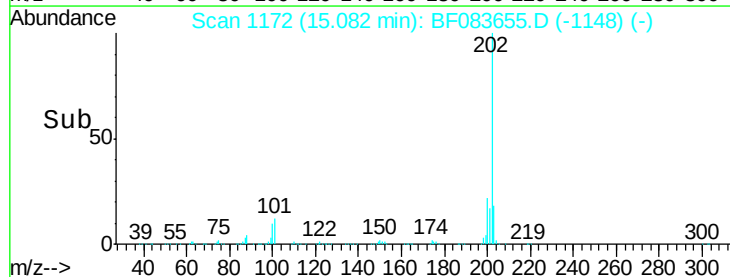
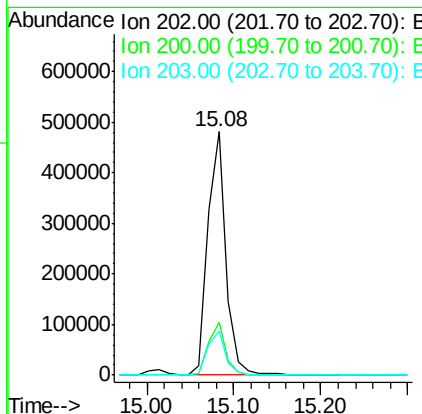
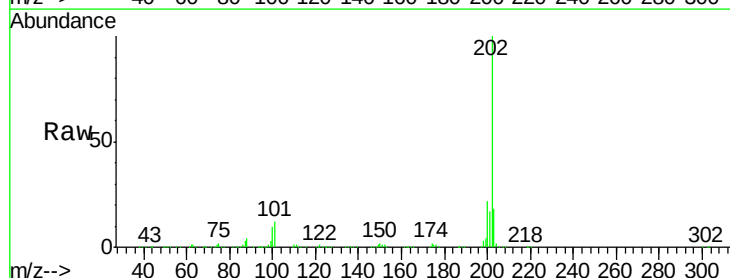
RT: 15.08 min Scan# 1172

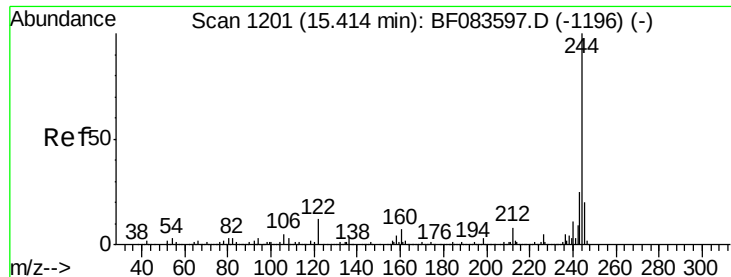
Delta R.T. -0.02 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Tgt Ion:	202	Resp:	693239
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.7	25.1
203	17.9	14.3	21.5





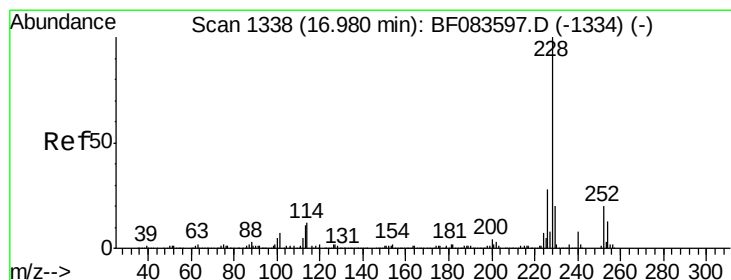
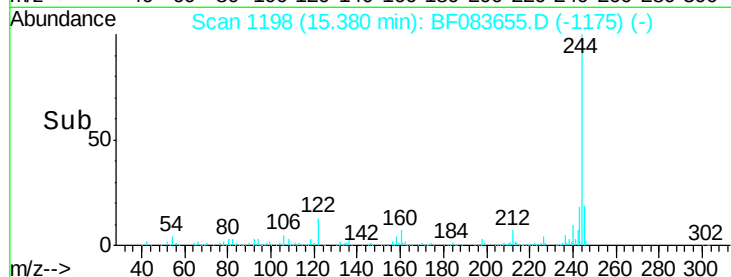
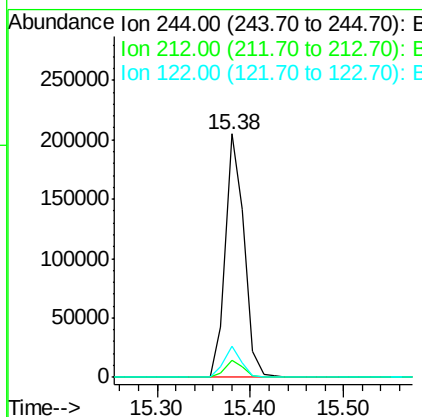
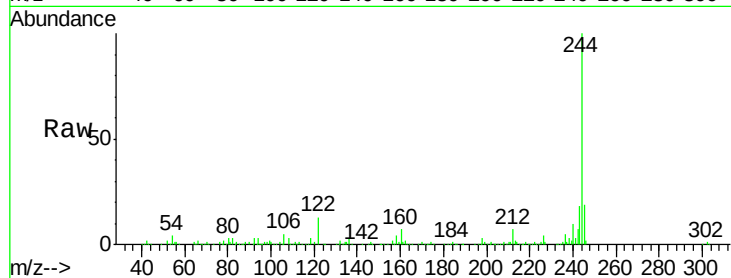
#78
 Terphenyl-d14
 Concen: 17.32 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)DL

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

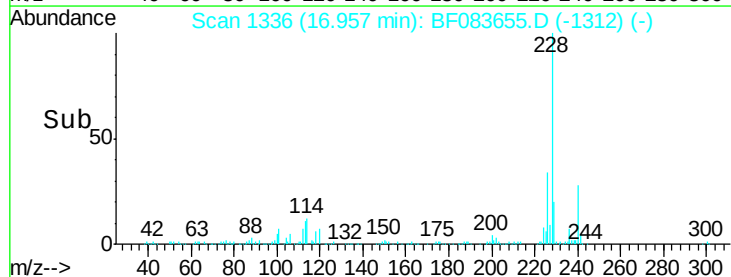
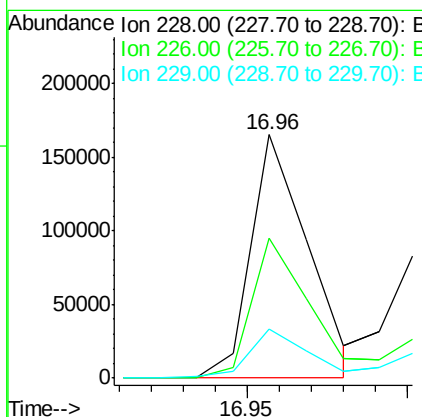
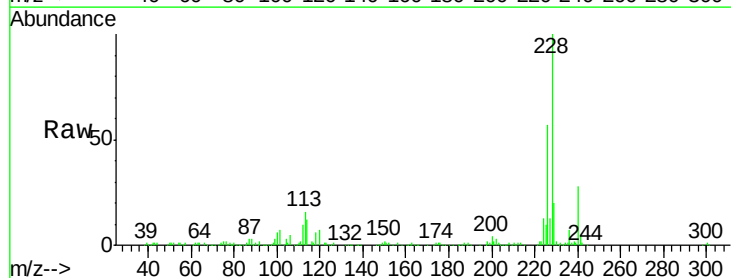
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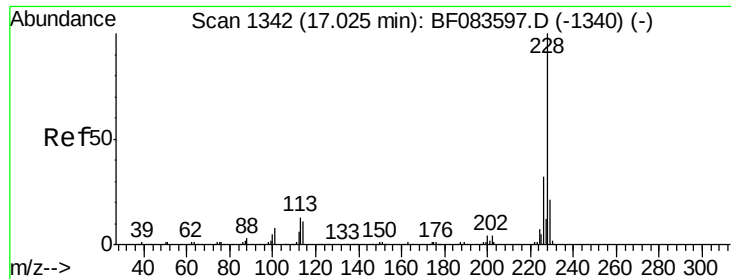
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#80
 Benzo(a)anthracene
 Concen: 8.99 ng m
 RT: 16.96 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	57.4	22.3	33.5#	
229	20.3	15.7	23.5	





#82

Chrysene

Concen: 7.71 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Instrument :

BNA_F

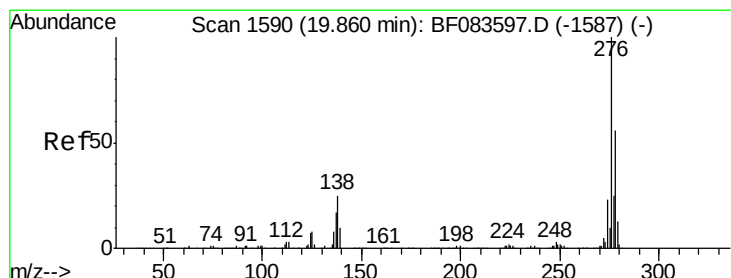
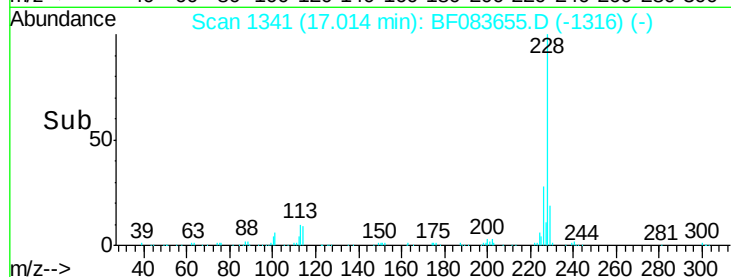
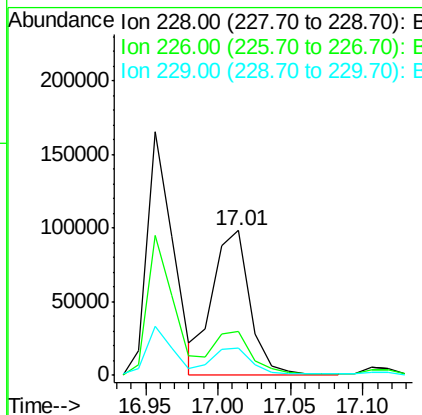
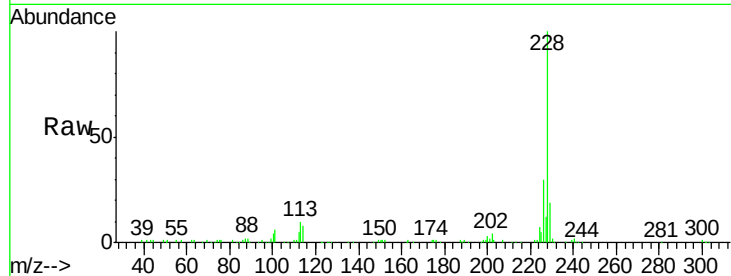
ClientSampleId :

SB-P3WC-15(0-8)DL

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Tot Ion:	228	Resp:	175798
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.7	37.1
229	19.3	16.3	24.5



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.36 ng

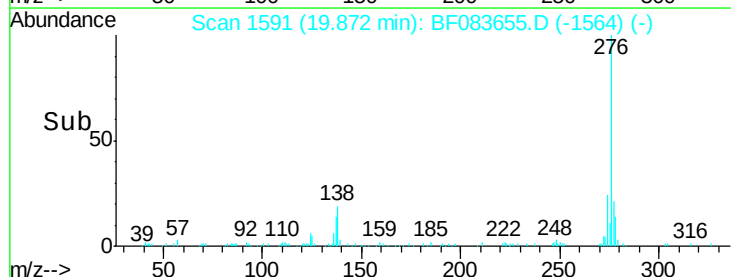
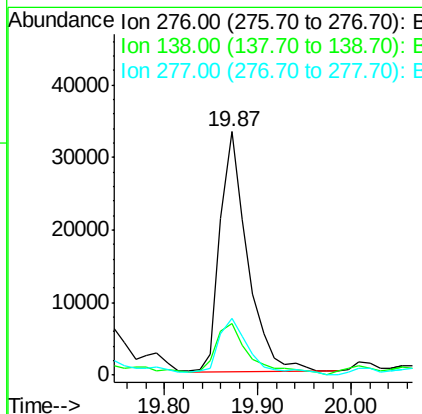
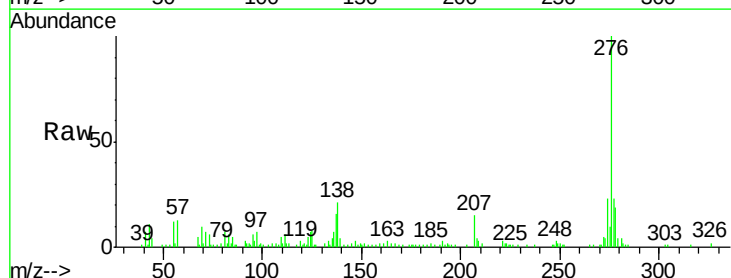
RT: 19.87 min Scan# 1591

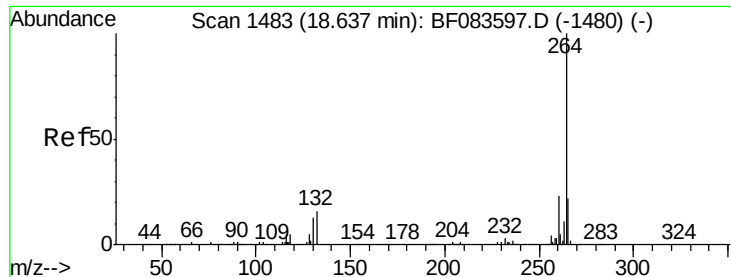
Delta R.T. 0.01 min

Lab File: BF083655.D

Acq: 9 Dec 2015 23:01

Tgt Ion:	276	Resp:	67158
Ion Ratio	Lower	Upper	
276	100		
138	27.4	0.0	0.0#
277	27.7	0.0	0.0#





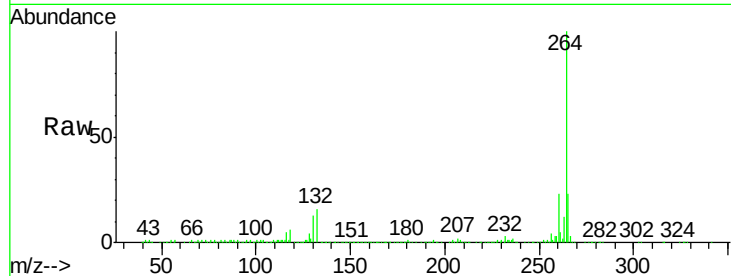
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)DL

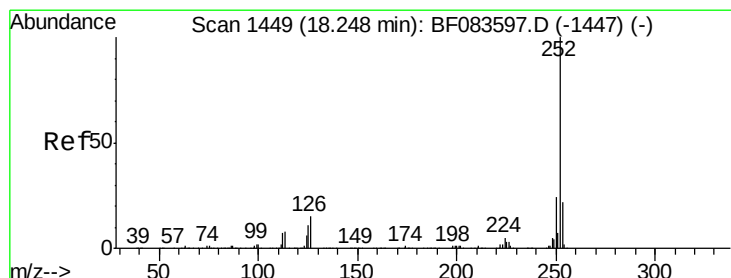
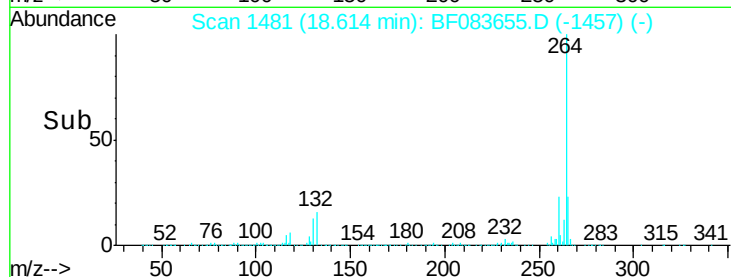
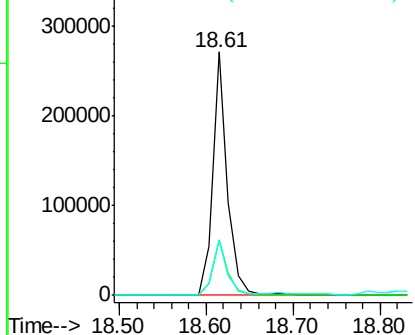
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.0
265	22.8	17.8	26.6

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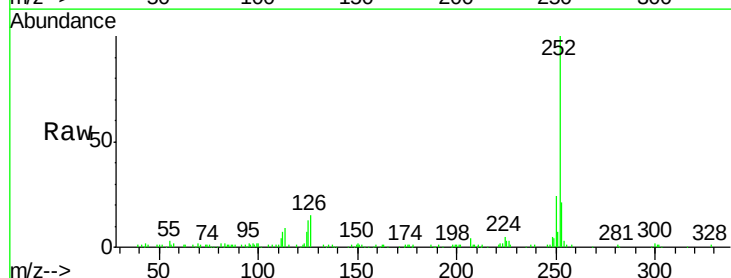


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

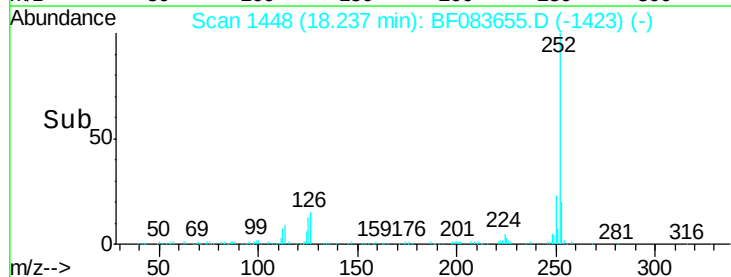
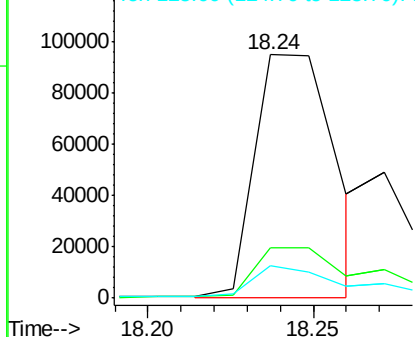


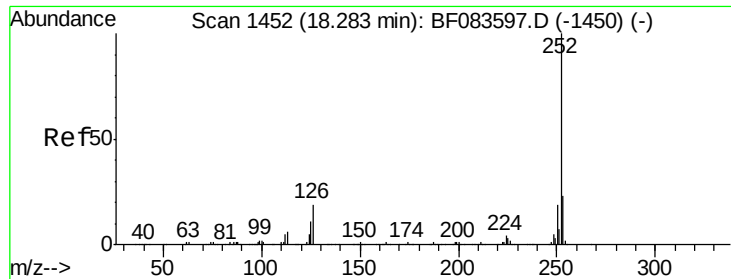
#87
Benzo(b)fluoranthene
Concen: 8.76 ng m
RT: 18.24 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.2	27.4
125	13.4	8.2	12.4#



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





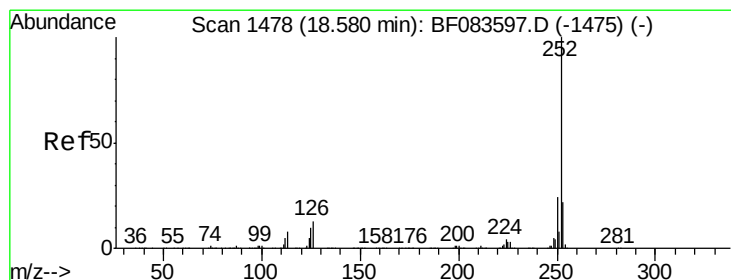
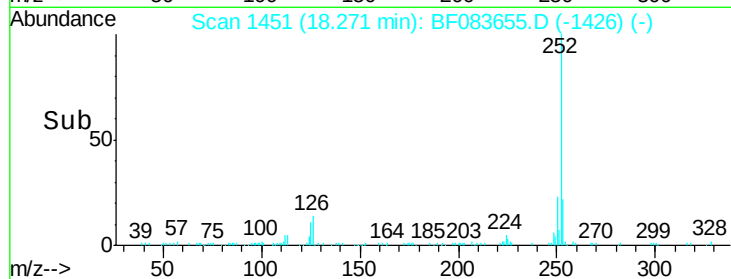
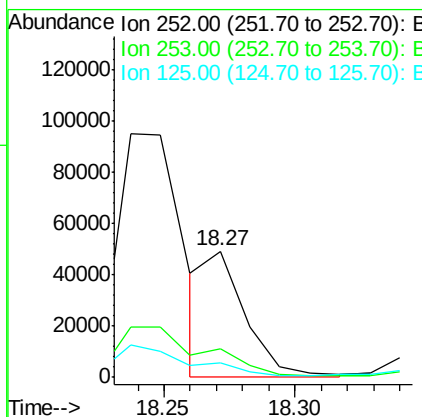
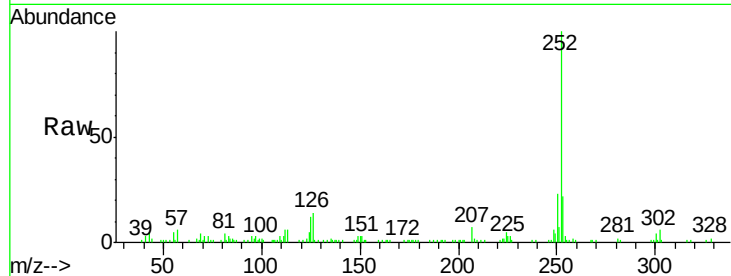
#88
Benzo(k)fluoranthene
Concen: 2.59 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	11.9	11.5	17.3

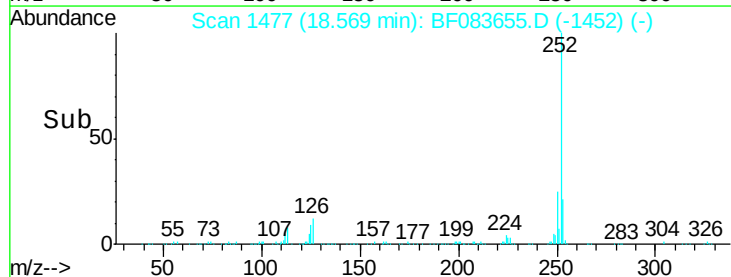
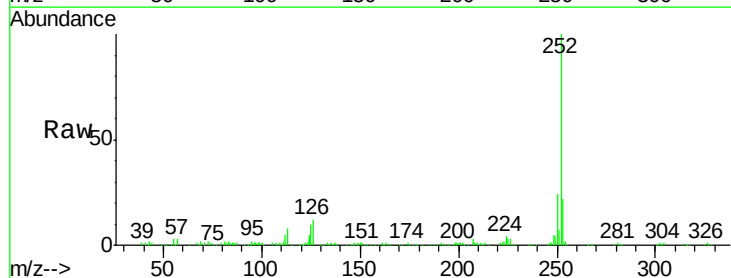
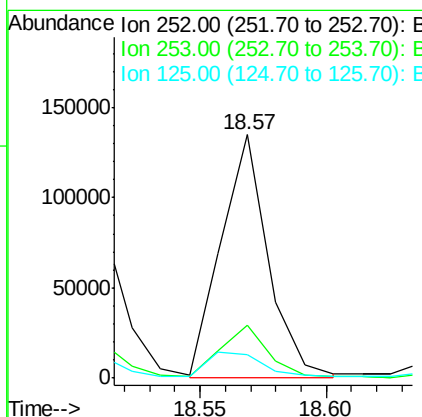
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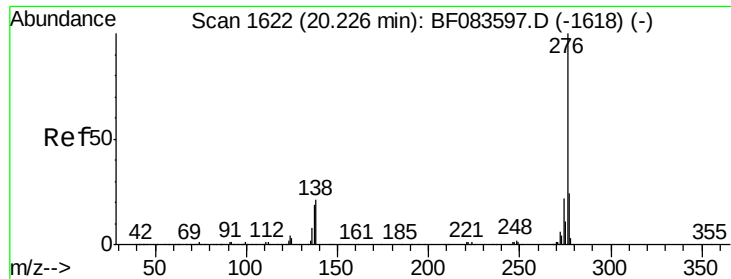
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#89
Benzo(a)pyrene
Concen: 9.84 ng m
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083655.D
Acq: 9 Dec 2015 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.7	11.0	16.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.62 ng
 RT: 20.23 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BF083655.D
 Acq: 9 Dec 2015 23:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(0-8)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	22.5	19.5	29.3

Manual Integrations
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