

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083652.D
 Acq On : 9 Dec 2015 21:31
 Operator : UM/IZ
 Sample : G4585-01DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

Manual Integrations
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Quant Time: Dec 10 03:27:10 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	145139	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	573890	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	257467	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	396151	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	323764	20.00	ng	-0.02
86) Perylene-d12	18.61	264	278611	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	65938	6.89	ng	0.02
7) Phenol-d6	5.29	99	99348	7.77	ng	0.01
23) Nitrobenzene-d5	6.53	82	62587	5.09	ng	0.00
41) 2,4,6-Tribromophenol	11.68	330	11284	4.92	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	115790	6.33	ng	-0.02
78) Terphenyl-d14	15.39	244	76882	5.59	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.61	128	158771	5.22	ng	100
37) 2-Methylnaphthalene	8.72	142	46293	2.42	ng	96
48) Acenaphthylene	10.13	152	169306	6.08	ng	98
57) Fluorene	11.25	166	74301	3.85	ng	98
70) Phenanthrene	12.80	178	551048	24.21	ng	98
71) Anthracene	12.89	178	134423	5.70	ng	97
74) Fluoranthene	14.73	202	396290	17.02	ng	99
77) Pyrene	15.08	202	546391	23.44	ng	99
80) Benzo(a)anthracene	16.96	228	182229m	9.62	ng	
82) Chrysene	17.01	228	184242m	9.70	ng	
85) Indeno(1,2,3-cd)pyrene	19.87	276	86741	6.76	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	171192m	10.79	ng	
88) Benzo(k)fluoranthene	18.27	252	68931m	3.94	ng	
89) Benzo(a)pyrene	18.57	252	197325m	12.75	ng	
91) Benzo(a,h,i)perylene	20.23	276	101224	8.77	ng	97

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

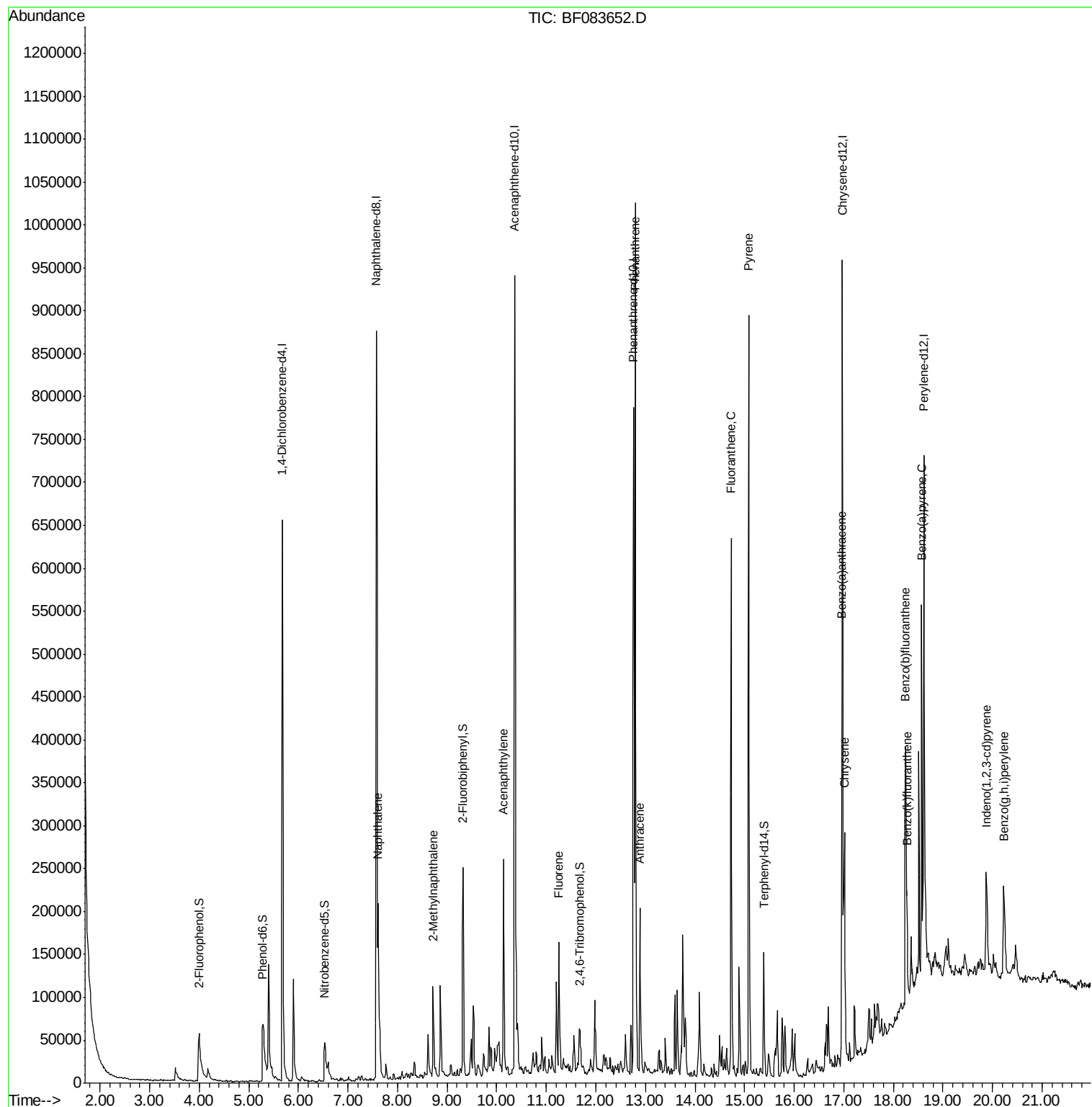
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083652.D
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ALS Vial : 18 Sample Multiplier: 1

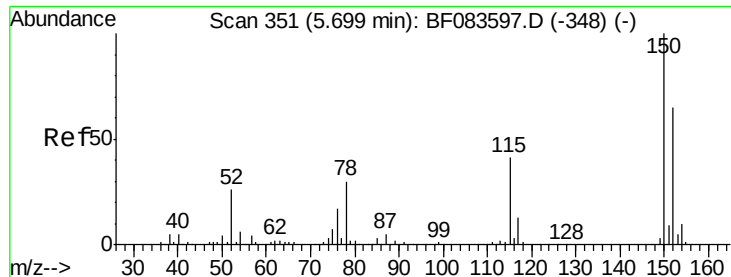
Instrument :
BNA_F
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SB-P3WC-10(0-6)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
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#1

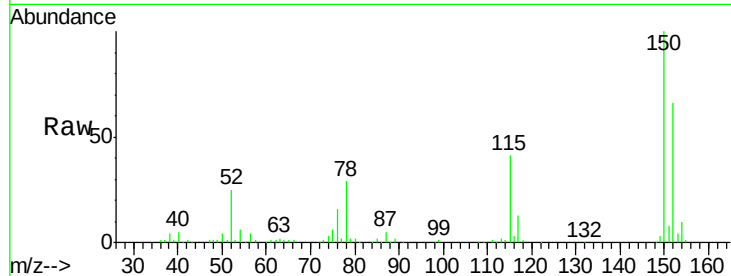
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	126.5	189.7
115	62.7	52.3	78.5

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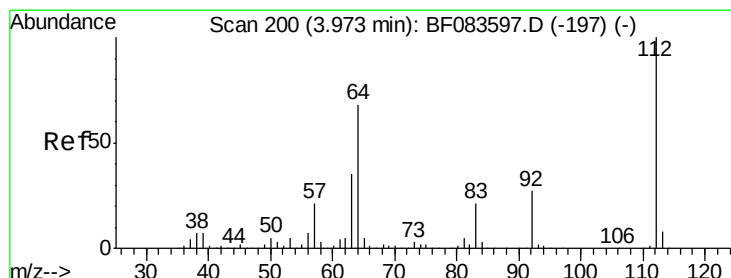
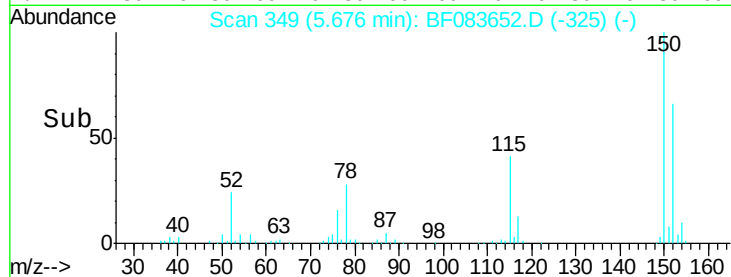
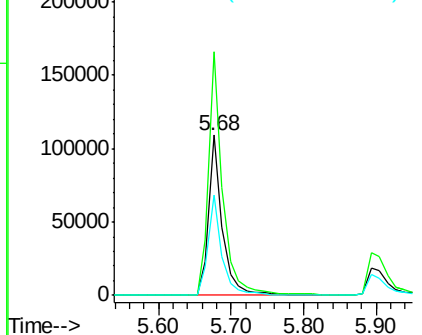


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

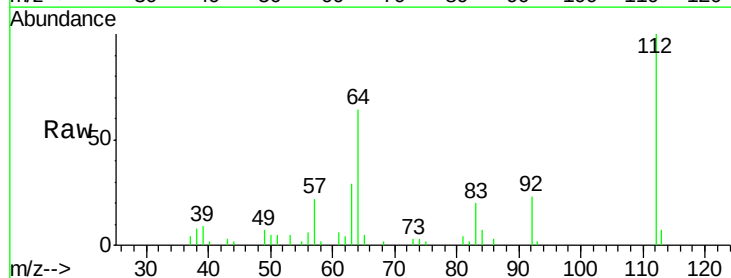
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.89 ng
RT: 4.00 min Scan# 202
Delta R.T. 0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	50.5	75.7
63	29.0	25.8	38.6

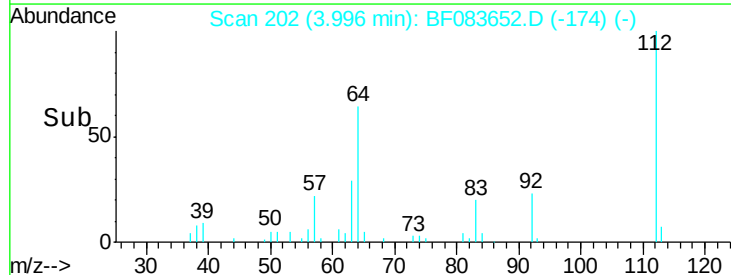
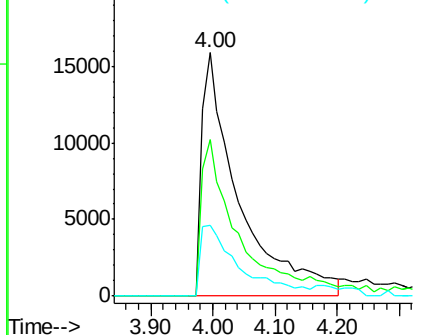


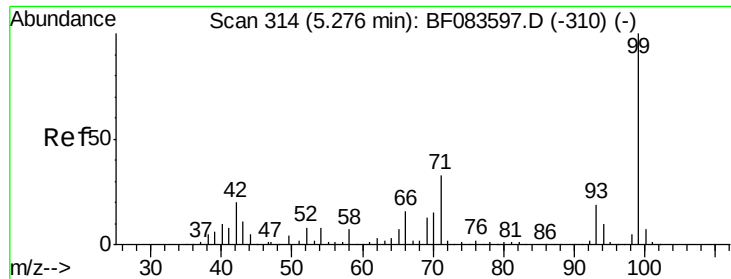
Abundance

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





#7

Phenol-d6

Concen: 7.77 ng

RT: 5.29 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

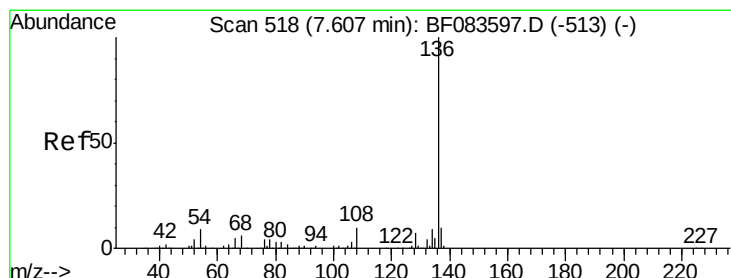
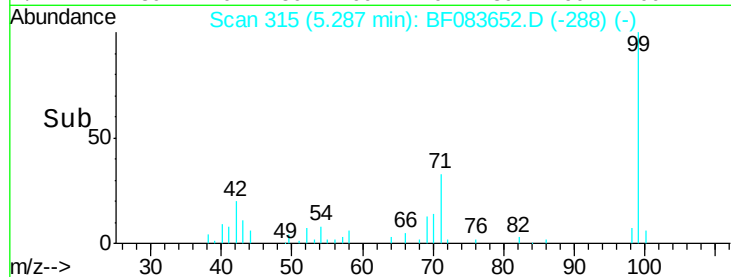
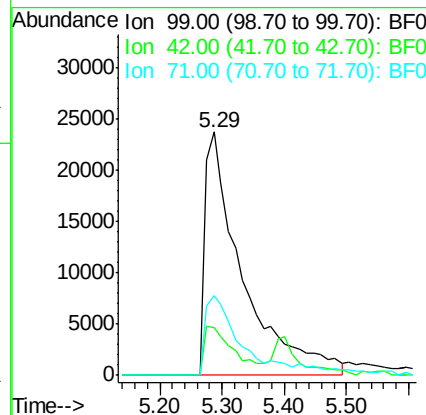
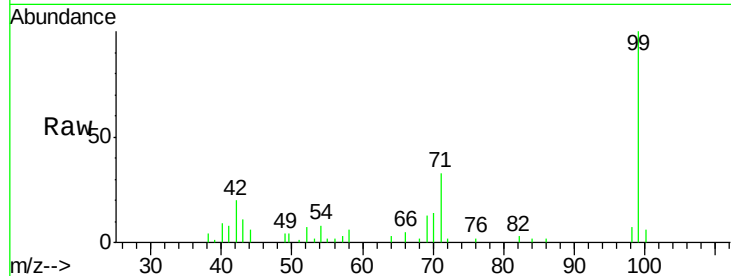
ClientSampleId :

SB-P3WC-10(0-6)DL

Tot Ion:	99	Resp:	99348
Ion Ratio	Lower	Upper	
99	100		
42	19.5	17.3	25.9
71	32.9	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

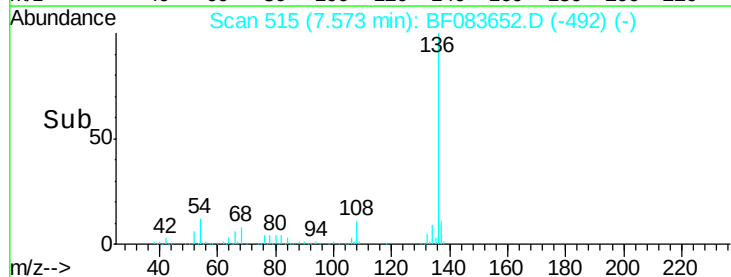
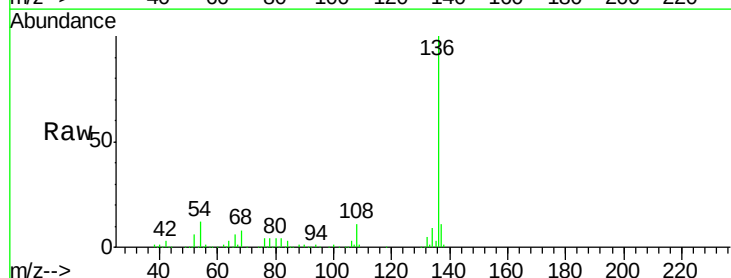
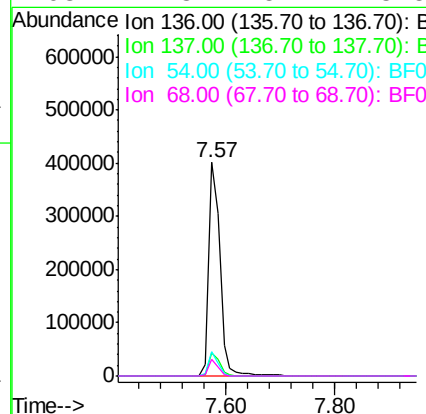
RT: 7.57 min Scan# 515

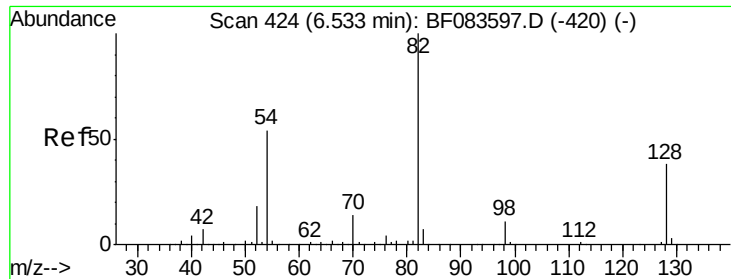
Delta R.T. -0.03 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Tgt Ion:	136	Resp:	573890
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	11.7	7.8	11.6
68	7.8	5.7	8.5





#23

Nitrobenzene-d5

Concen: 5.09 ng

RT: 6.53 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

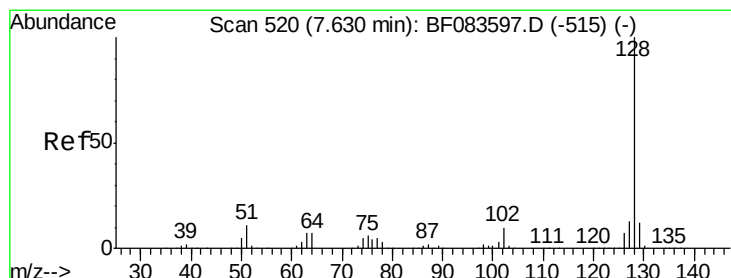
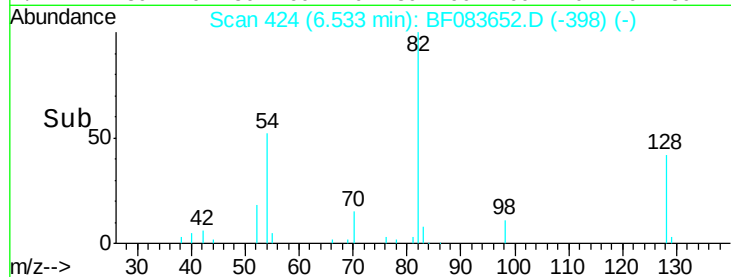
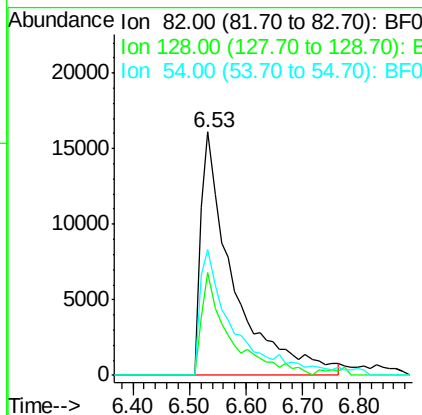
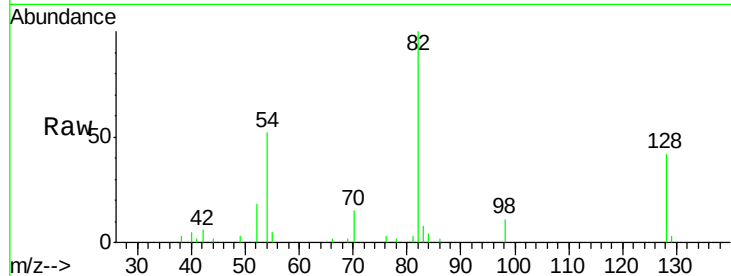
ClientSampleId :

SB-P3WC-10(0-6)DL

Tot Ion:	82	Resp:	62587
Ion Ratio	Lower	Upper	
82	100		
128	42.3	30.7	46.1
54	51.8	42.5	63.7

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#31

Naphthalene

Concen: 5.22 ng

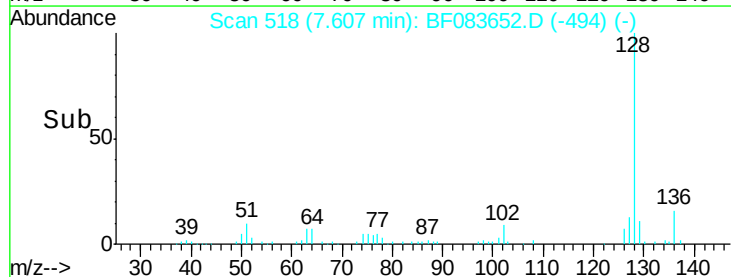
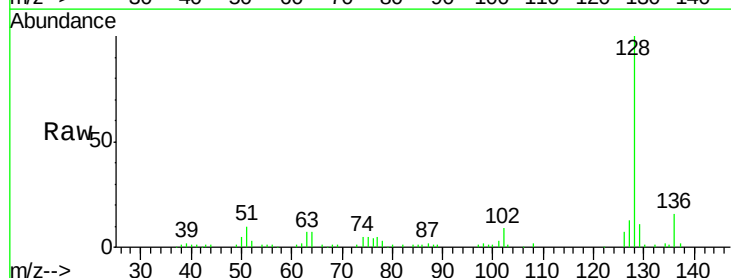
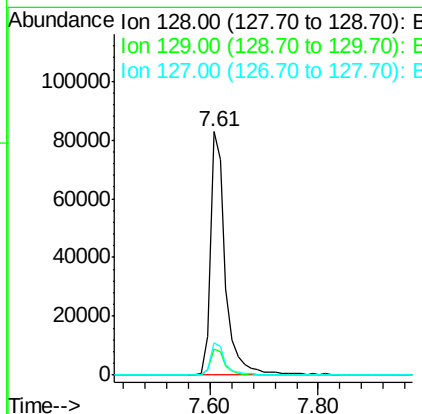
RT: 7.61 min Scan# 518

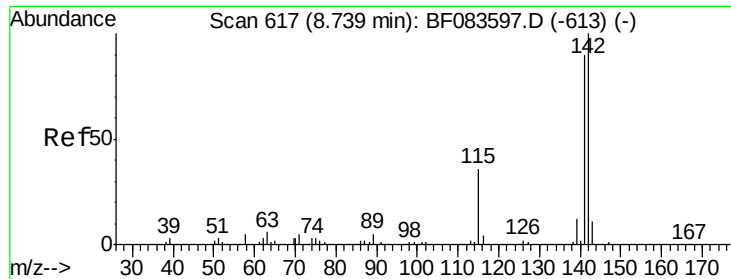
Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Tgt Ion:	128	Resp:	158771
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.6	13.0
127	13.4	10.6	16.0





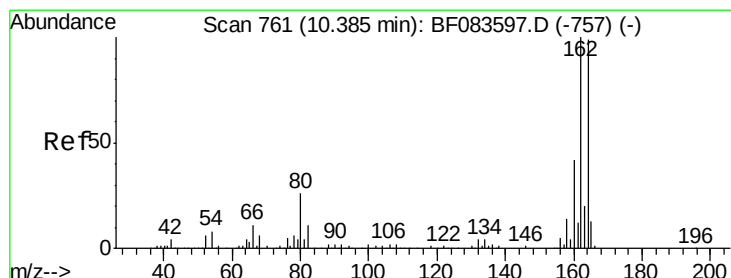
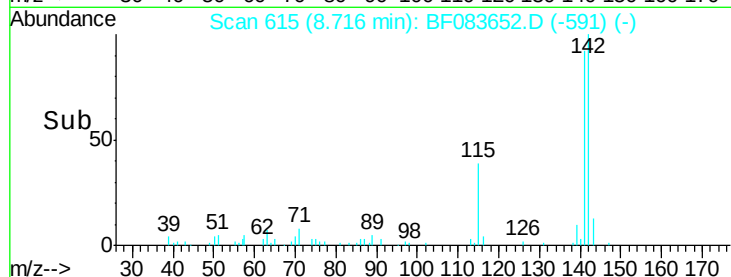
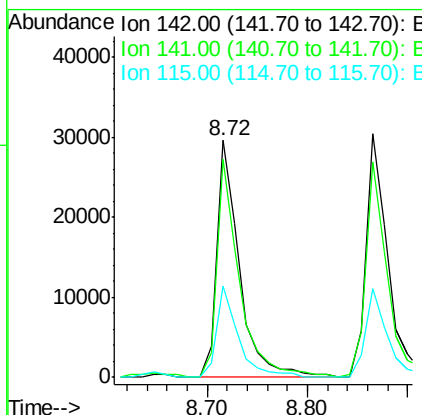
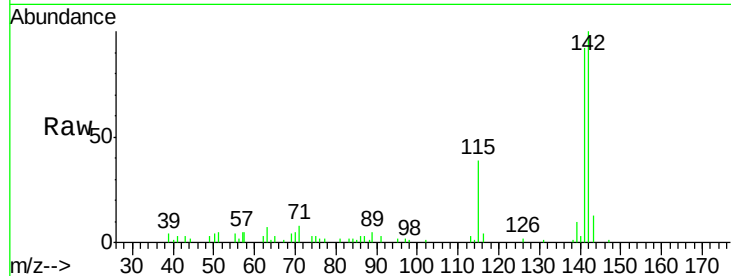
#37
2-Methylnaphthalene
Concen: 2.42 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.2	70.3	105.5
115	38.7	29.2	43.8

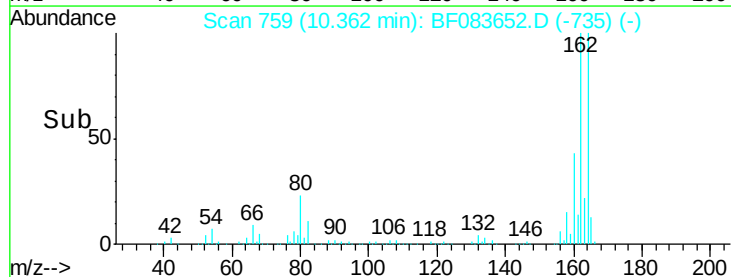
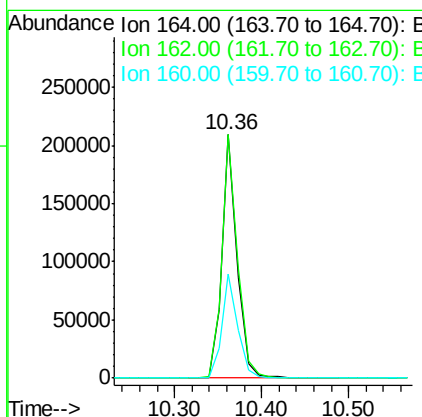
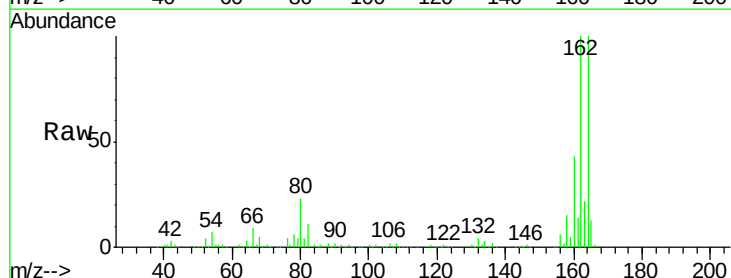
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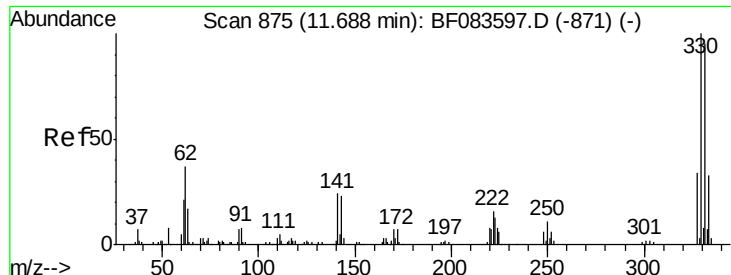
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.8	118.2
160	42.5	33.4	50.2





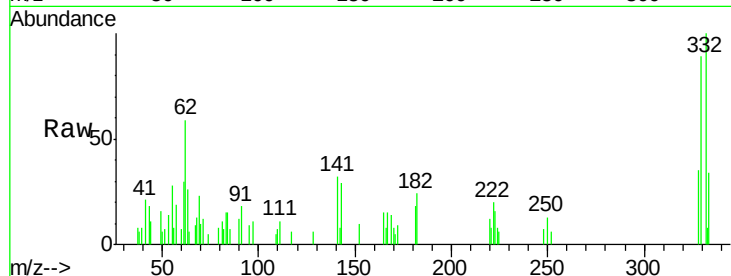
#41
 2,4,6-Tribromophenol
 Concen: 4.92 ng
 RT: 11.68 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

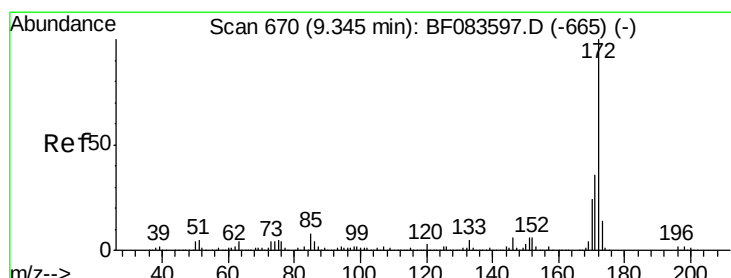
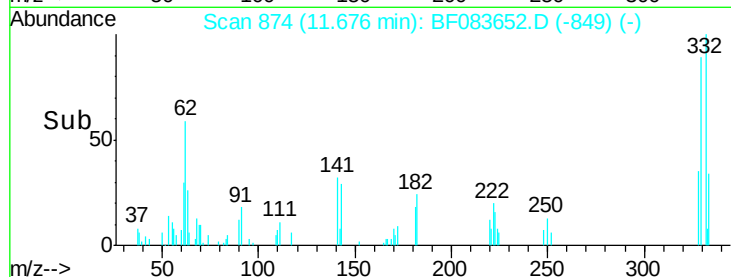
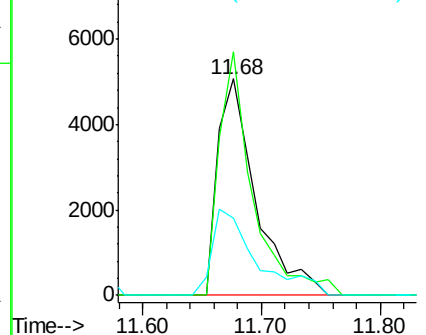
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.1	0.0	0.0	0.0
141	46.5	0.0	0.0	0.0

Manual Integrations
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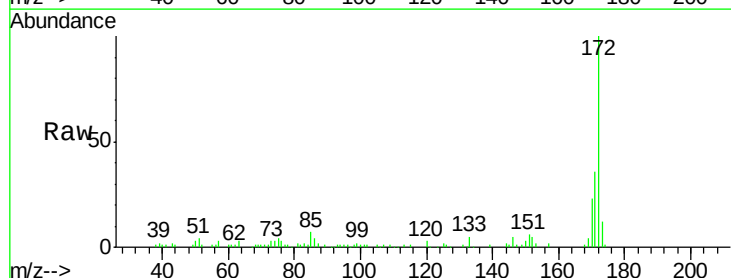


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

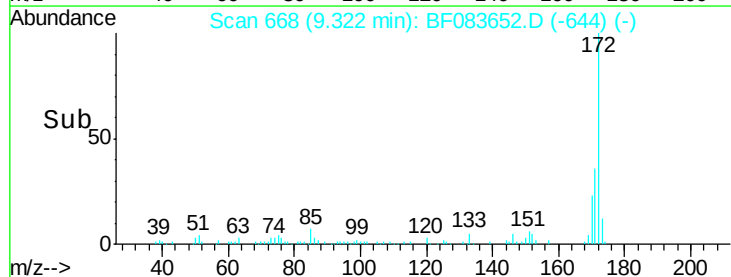
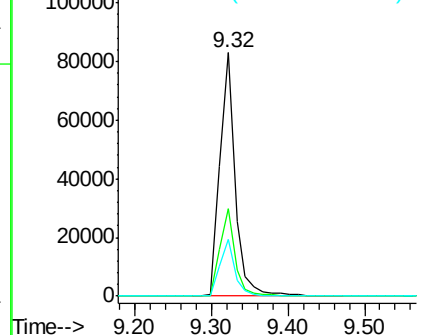


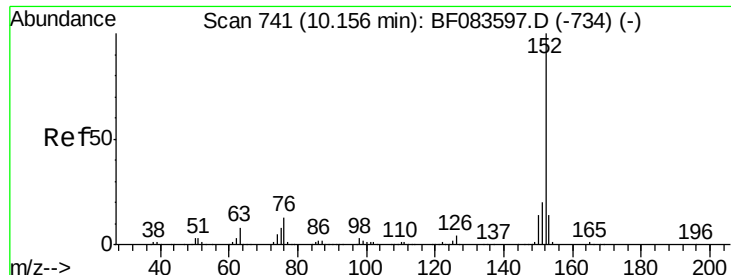
#44
 2-Fluorobiphenyl
 Concen: 6.33 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	28.6	42.8	
170	23.4	19.4	29.0	



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





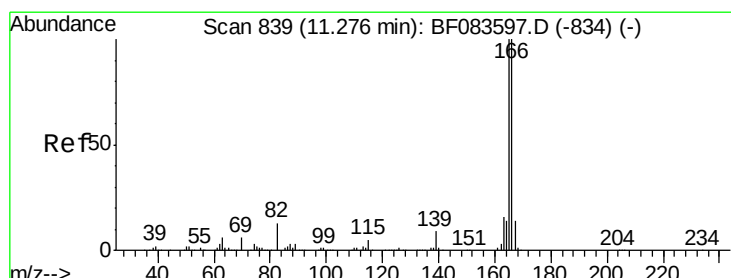
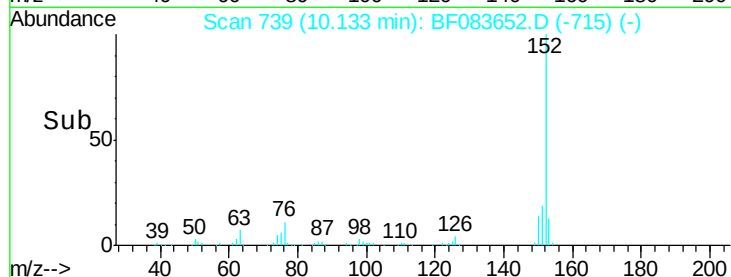
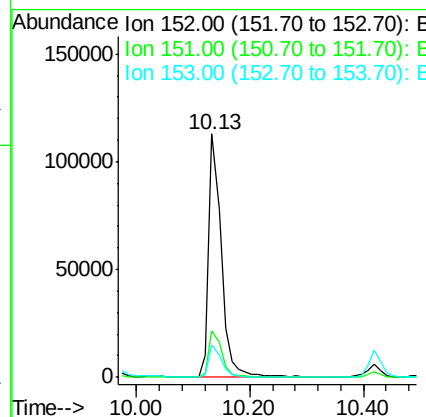
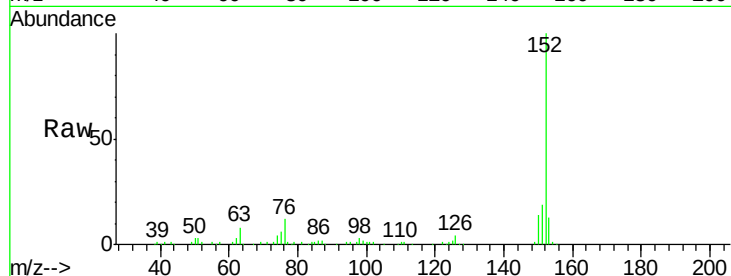
#48
Acenaphthylene
Concen: 6.08 ng
RT: 10.13 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	13.2	10.8	16.2

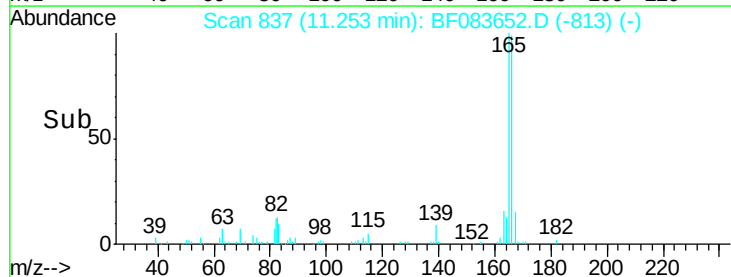
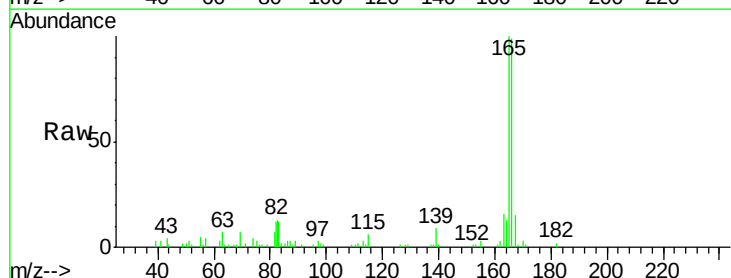
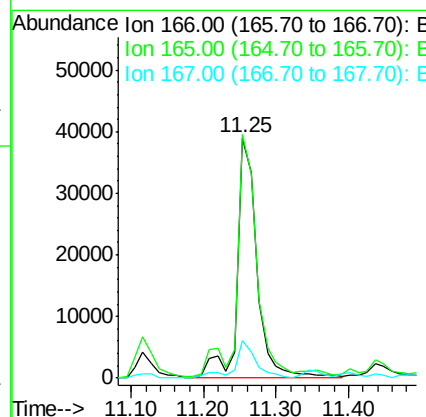
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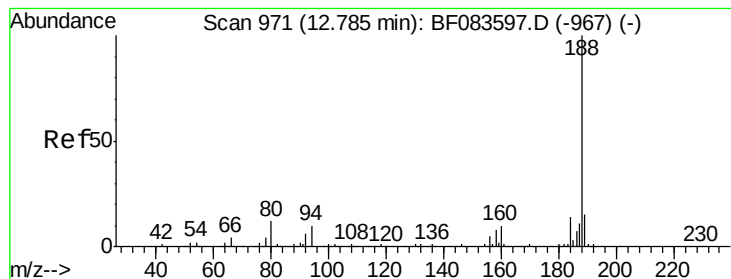
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#57
Fluorene
Concen: 3.85 ng
RT: 11.25 min Scan# 837
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	80.0	120.0
167	15.4	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: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

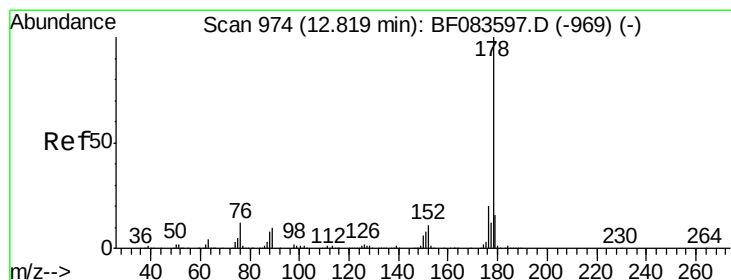
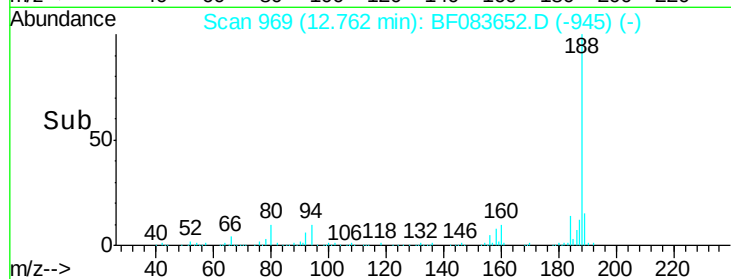
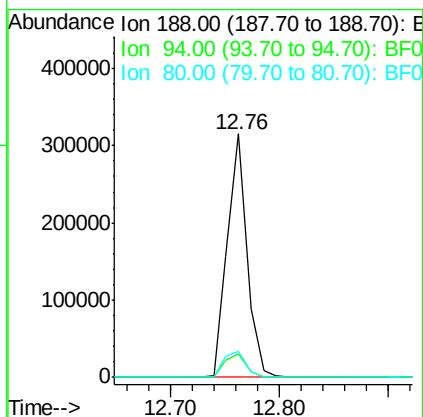
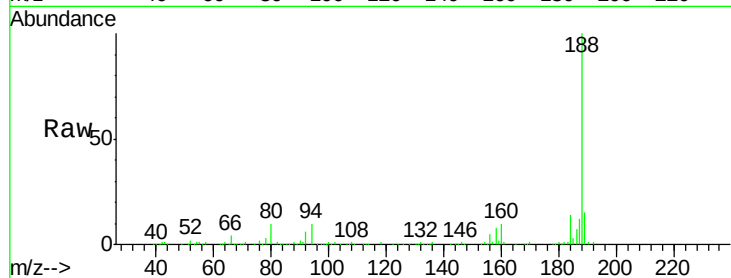
ClientSampleId :

SB-P3WC-10(0-6)DL

Tot Ion:	188	Resp:	396151
Ion Ratio	Lower	Upper	
188	100		
94	9.6	9.4	14.2
80	10.5	10.6	16.0#

Manual Integrations
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#70

Phenanthrene

Concen: 24.21 ng

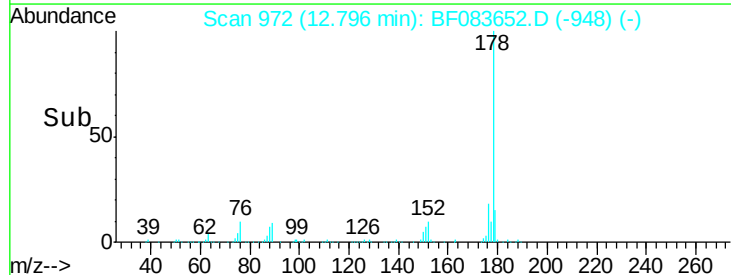
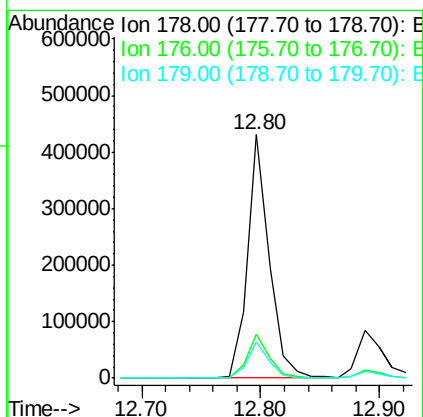
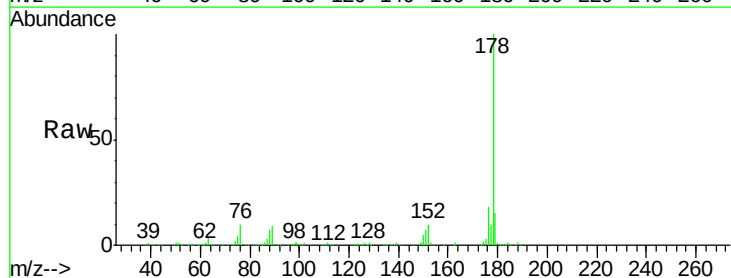
RT: 12.80 min Scan# 972

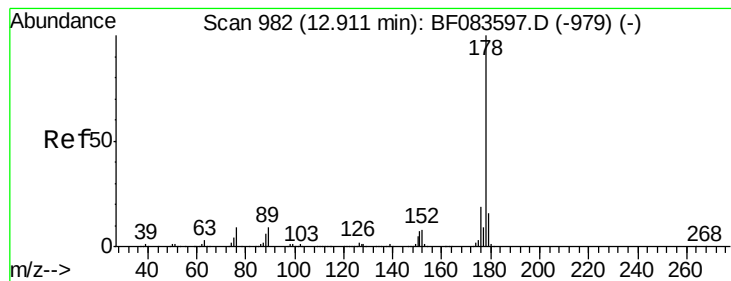
Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Tgt Ion:	178	Resp:	551048
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.7	23.5
179	14.9	12.2	18.4





#71

Anthracene

Concen: 5.70 ng

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

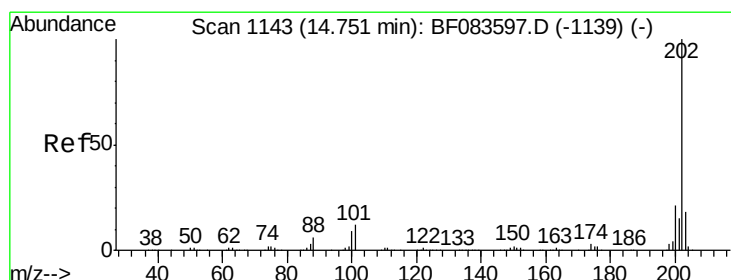
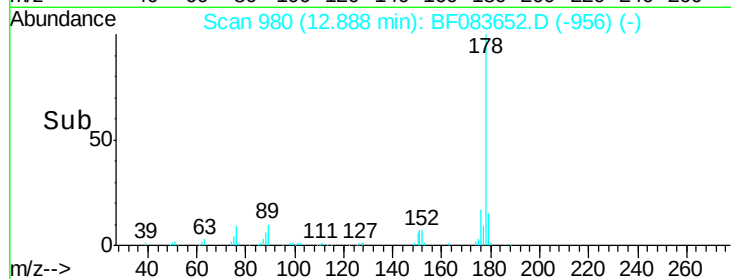
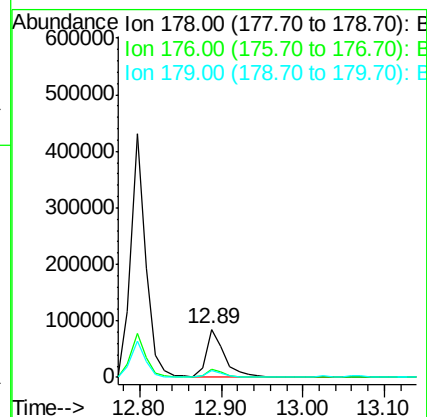
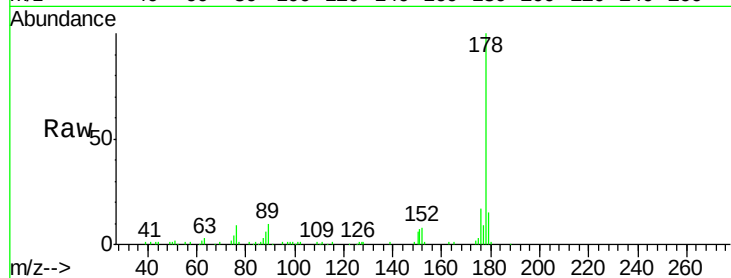
ClientSampleId :

SB-P3WC-10(0-6)DL

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Tot Ion:178	Resp:	134423
Ion Ratio	Lower	Upper
178 100		
176 17.3	15.2	22.8
179 14.7	12.6	18.8



#74

Fluoranthene

Concen: 17.02 ng

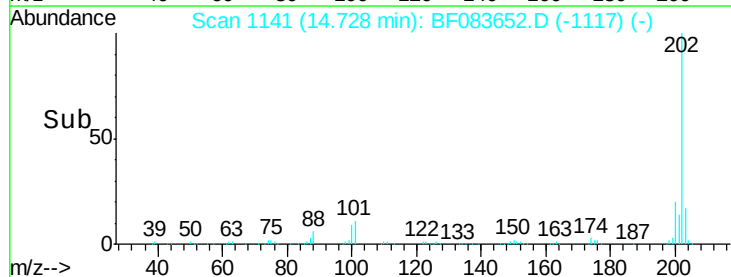
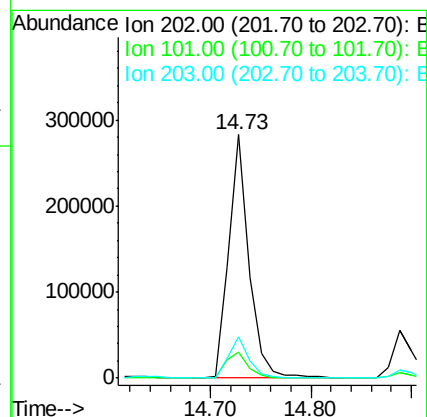
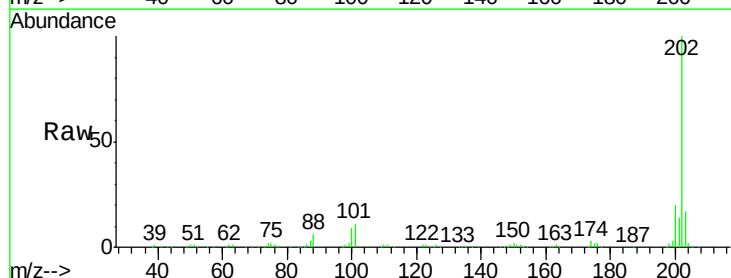
RT: 14.73 min Scan# 1141

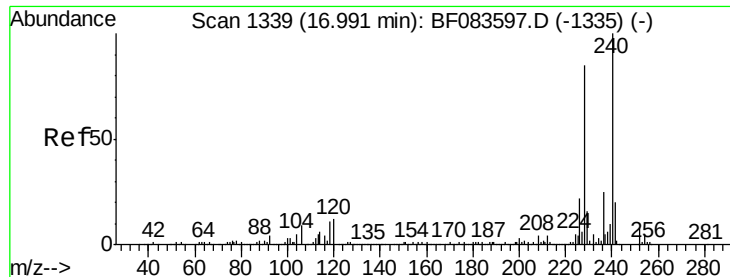
Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Tgt Ion:202	Resp:	396290
Ion Ratio	Lower	Upper
202 100		
101 10.7	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: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

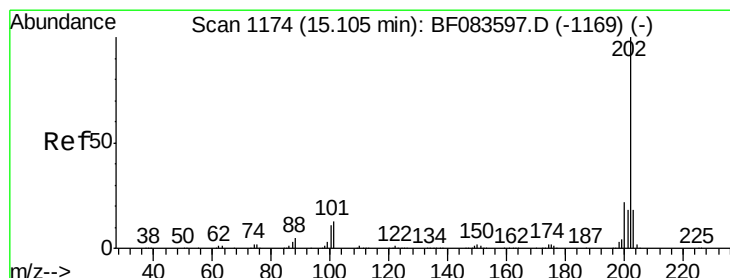
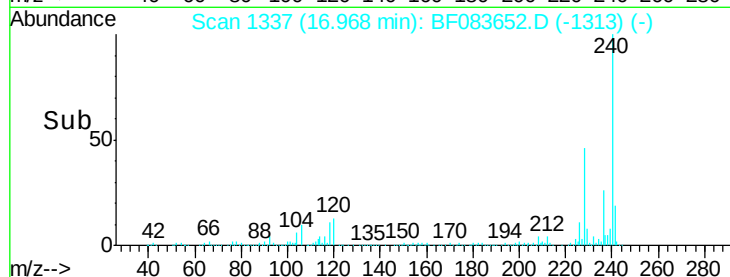
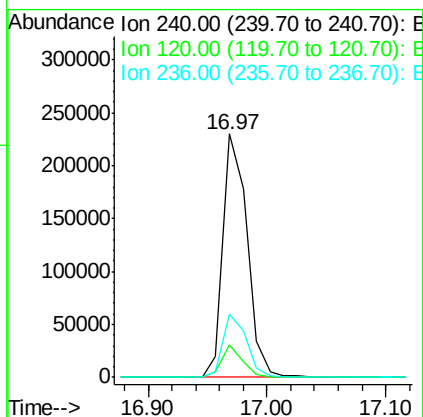
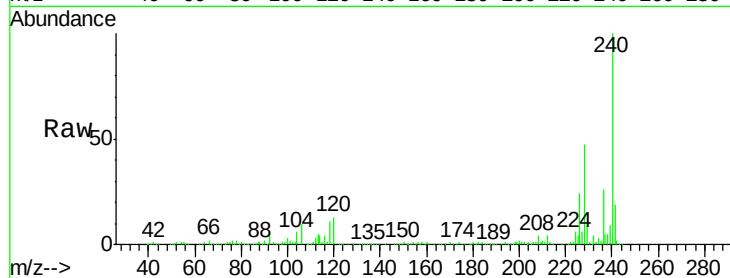
ClientSampleId :

SB-P3WC-10(0-6)DL

Tot Ion:	240	Resp:	323764
Ion Ratio	Lower	Upper	
240	100		
120	13.3	8.1	12.1#
236	25.7	20.8	31.2

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12/10/2015 5:50:11 PM



#77

Pyrene

Concen: 23.44 ng

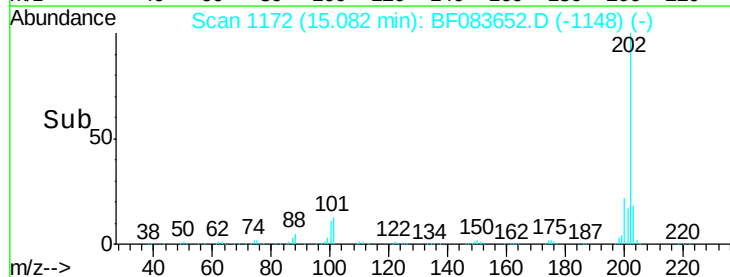
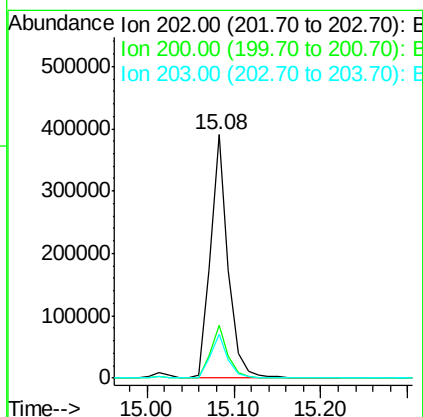
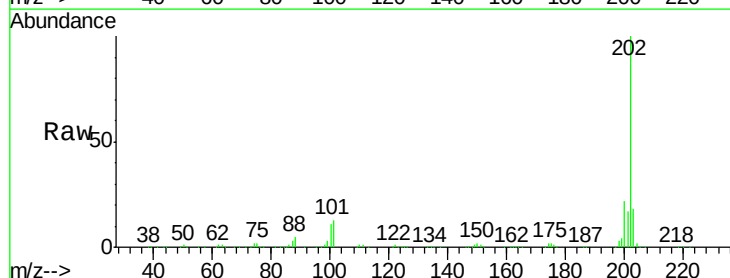
RT: 15.08 min Scan# 1172

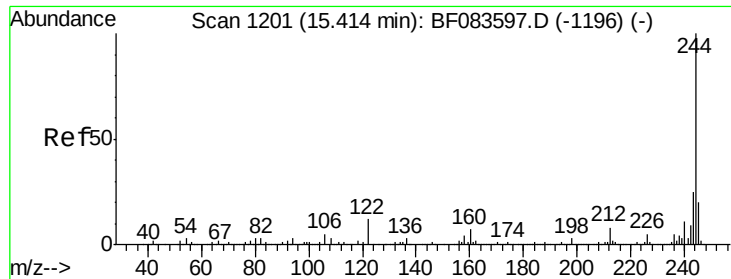
Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Tgt Ion:	202	Resp:	546391
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.7	25.1
203	18.3	14.3	21.5





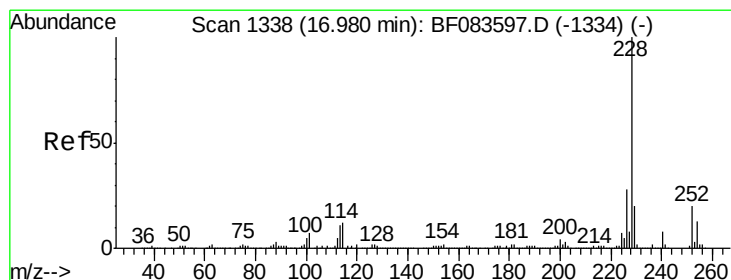
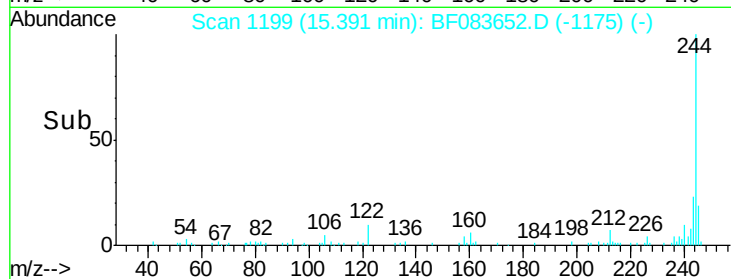
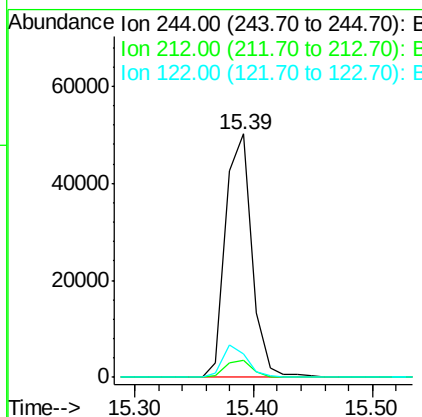
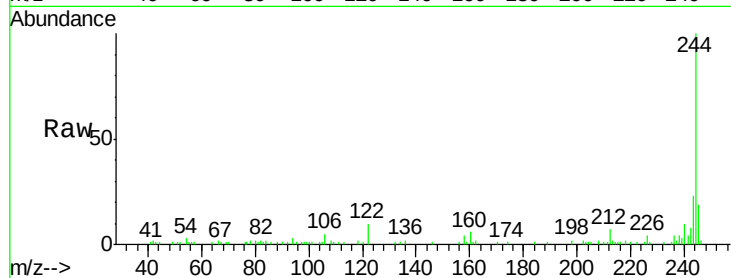
#78
 Terphenyl-d14
 Concen: 5.59 ng
 RT: 15.39 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	9.7	11.0	16.6#

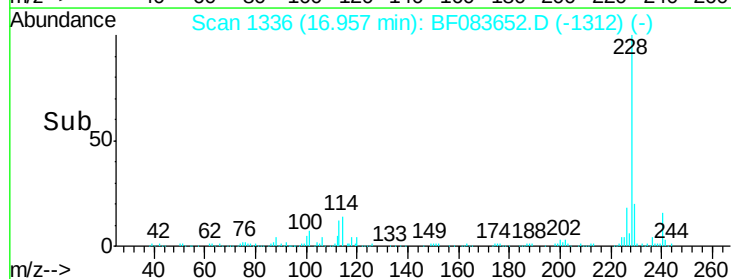
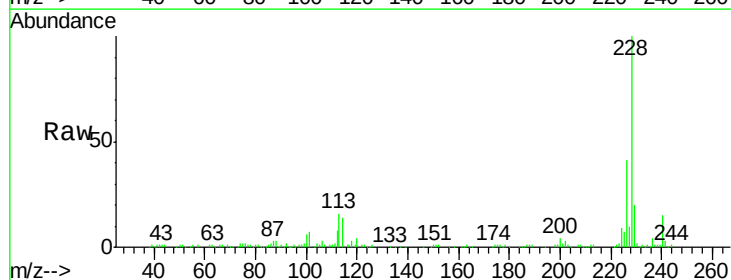
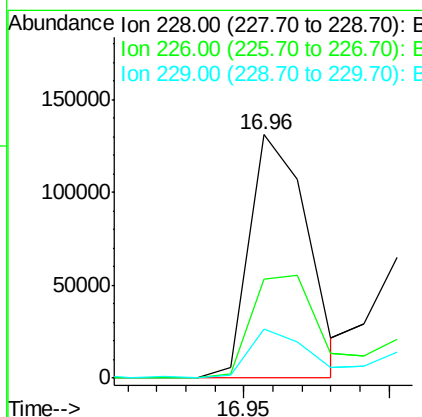
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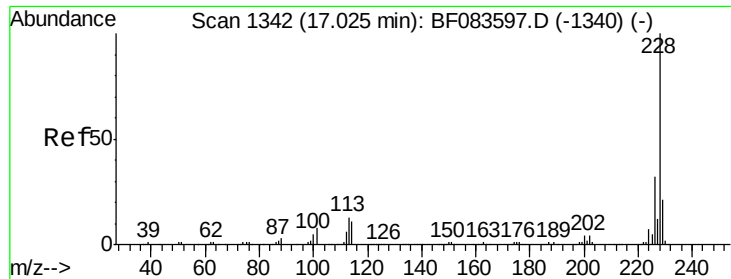
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#80
 Benzo(a)anthracene
 Concen: 9.62 ng m
 RT: 16.96 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.7	22.3	33.5#
229	20.4	15.7	23.5





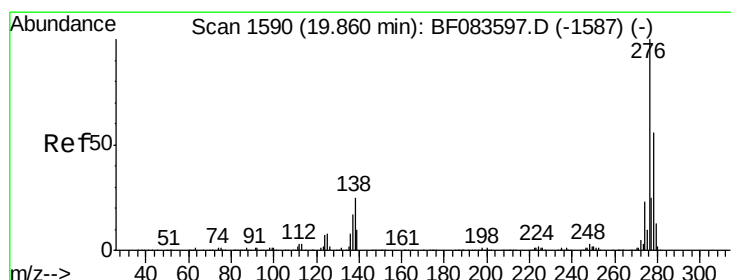
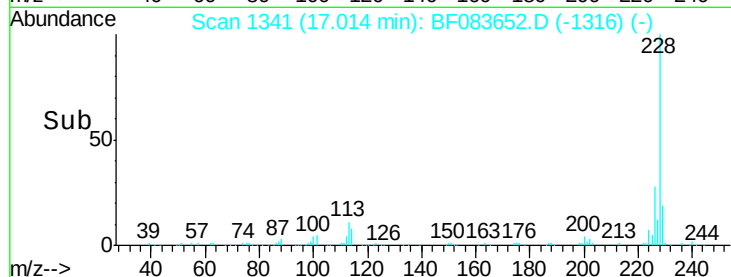
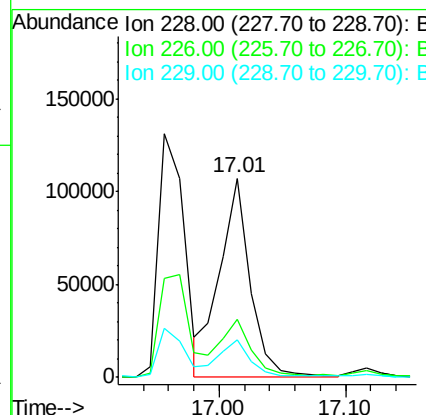
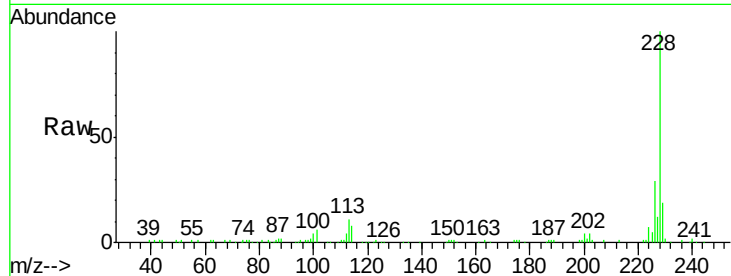
#82
Chrysene
Concen: 9.70 ng/mL
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.7	37.1
229	19.1	16.3	24.5

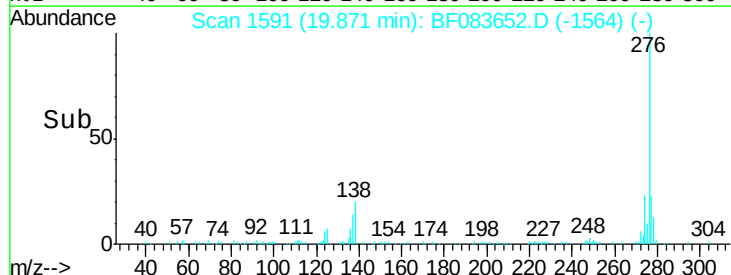
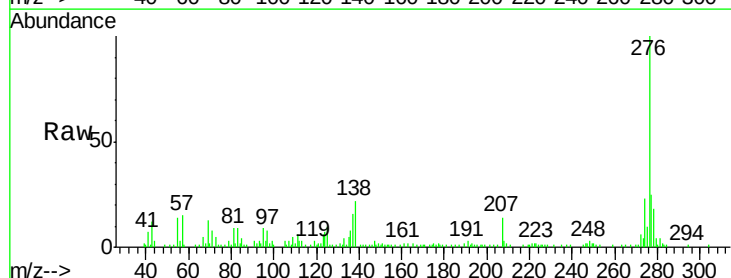
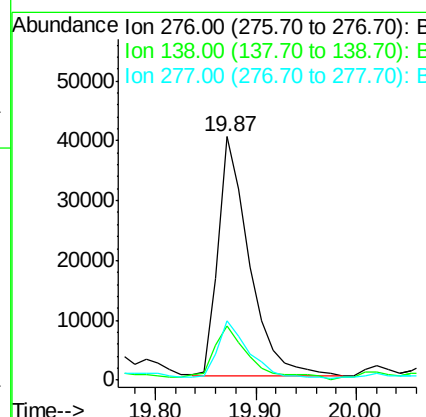
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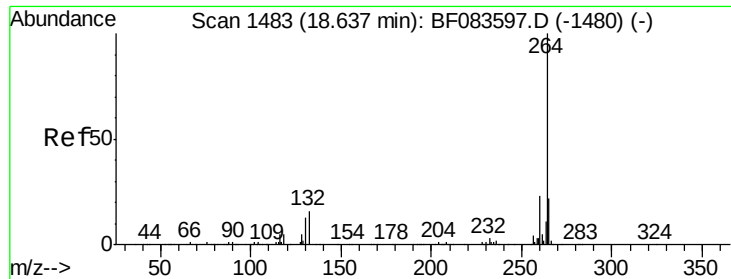
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.76 ng/mL
RT: 19.87 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	0.0	0.0#
277	23.4	0.0	0.0#





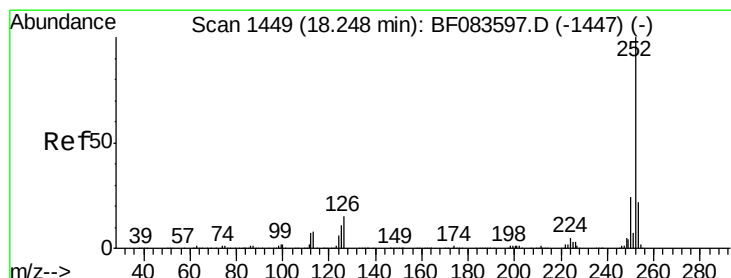
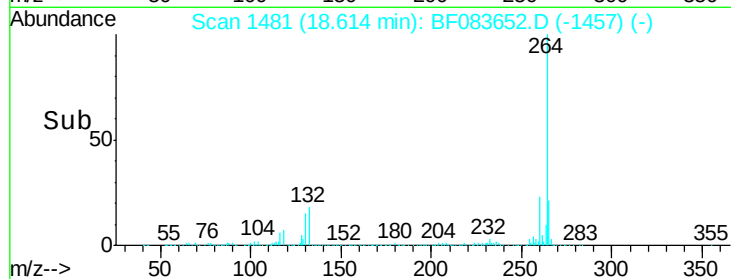
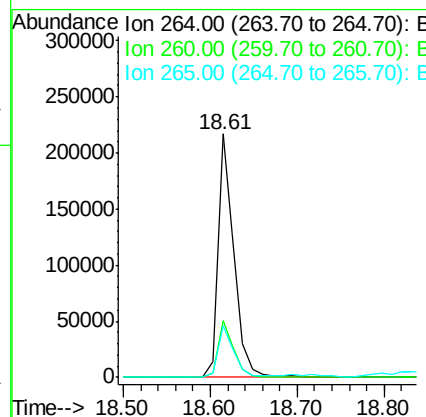
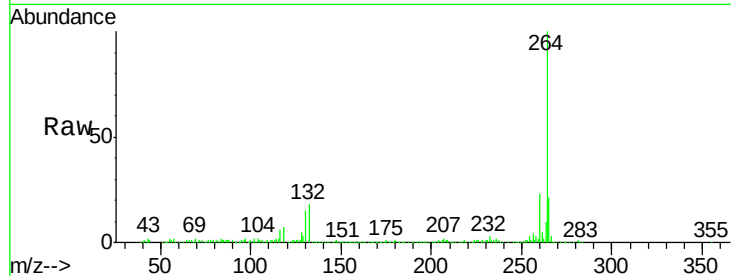
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	21.1	17.8	26.6

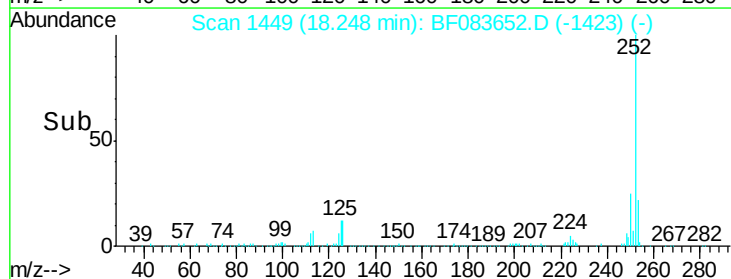
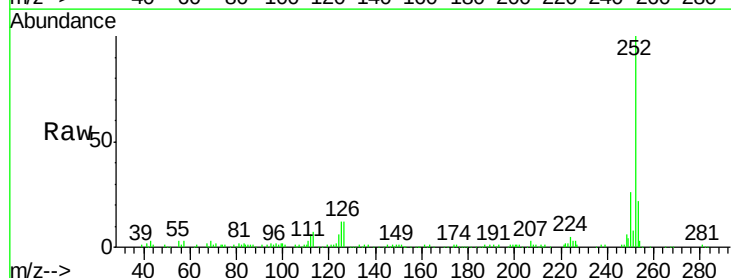
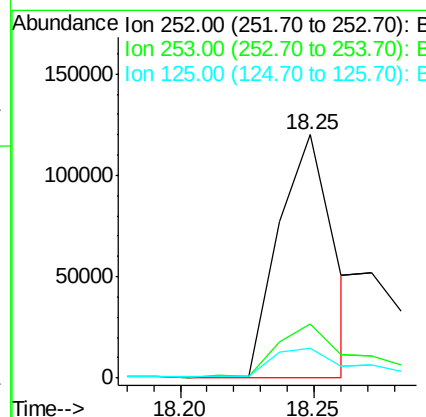
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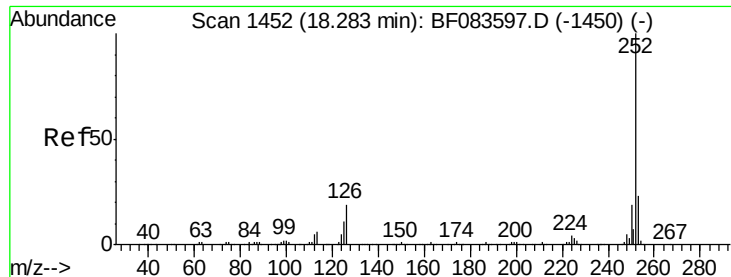
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#87
Benzo(b)fluoranthene
Concen: 10.79 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	12.3	8.2	12.4





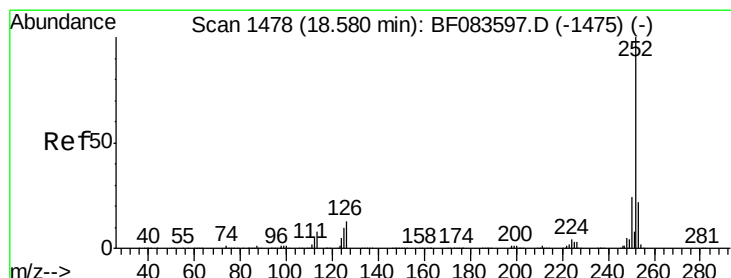
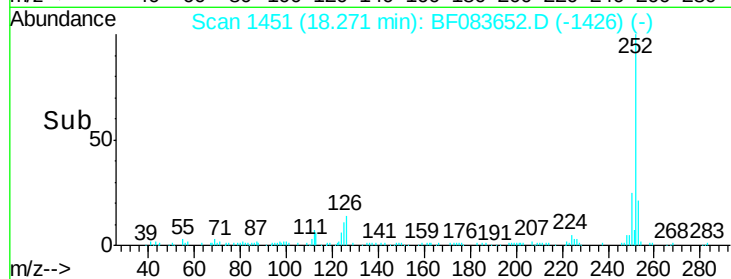
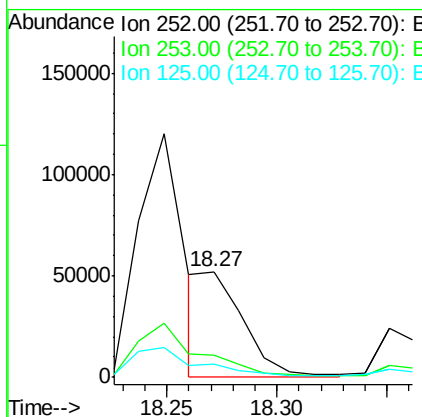
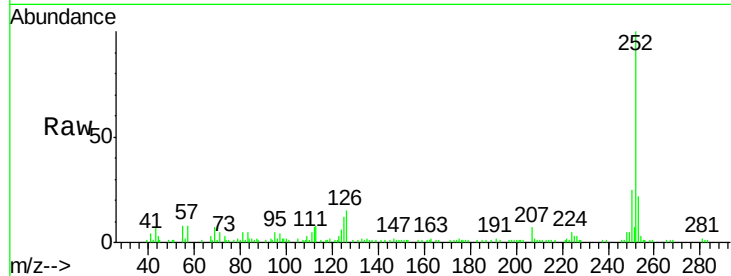
#88
Benzo(k)fluoranthene
Concen: 3.94 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	27.8
125	12.2	11.5	17.3

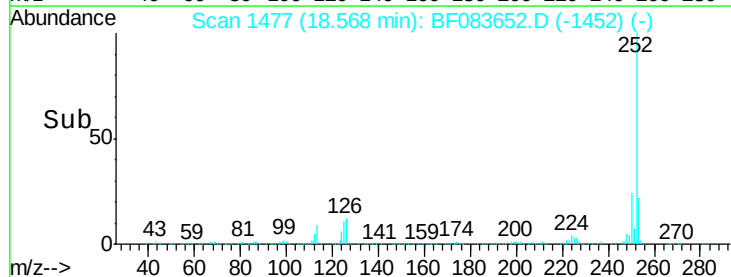
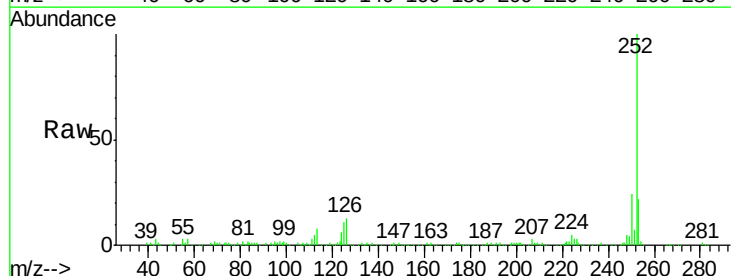
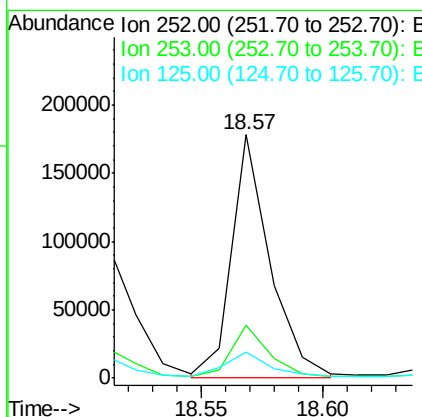
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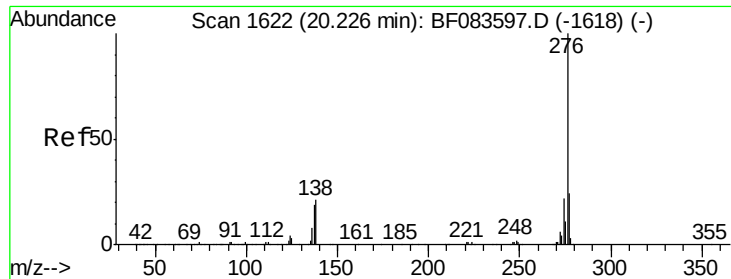
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#89
Benzo(a)pyrene
Concen: 12.75 ng m
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.8	11.0	16.6#





#91
 Benzo(a,h,i)perylene
 Concen: 8.77 ng
 RT: 20.23 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

Tot Ion:	276	Resp:	101224
Ion Ratio		Lower	Upper
276	100		
277	23.8	19.2	28.8
138	21.7	19.5	29.3

Manual Integrations
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MMdadoda
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