

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097058.D
 Acq On : 26 Jul 2017 5:39
 Operator : SJ/JU
 Sample : I4305-05 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-WSW

Manual Integrations
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Quant Time: Jul 26 06:16:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	133881	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	541869	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	200205	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	294849	20.00	ng	0.00
75) Chrysene-d12	13.62	240	226274	20.00	ng	0.00
86) Perylene-d12	14.97	264	181446	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	141471	15.93	ng	0.00
7) Phenol-d6	6.16	99	171264	16.89	ng	-0.01
23) Nitrobenzene-d5	7.06	82	99508	10.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.32	330	21609	13.66	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	159388	13.51	ng	-0.01
78) Terphenyl-d14	12.58	244	92078	8.30	ng	0.00
Target Compounds						
31) Naphthalene	7.80	128	106225	4.159	ng	98
70) Phenanthrene	11.02	178	228151	14.442	ng	99
71) Anthracene	11.07	178	56606	3.498	ng	99
74) Fluoranthene	12.20	202	223585	14.447	ng	98
77) Pyrene	12.43	202	196010	10.581	ng	99
80) Benzo(a)anthracene	13.62	228	99150	6.772	ng	100
82) Chrysene	13.65	228	92161	6.446	ng	95
85) Indeno(1,2,3-cd)pyrene	16.20	276	30247	2.467	ng	96
87) Benzo(b)fluoranthene	14.62	252	88374m	8.102	ng	
88) Benzo(k)fluoranthene	14.63	252	31771m	3.057	ng	
89) Benzo(a)pyrene	14.92	252	63785	6.390	ng	99
91) Benzo(a,h,i)perylene	16.56	276	27322	3.183	ng	95

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

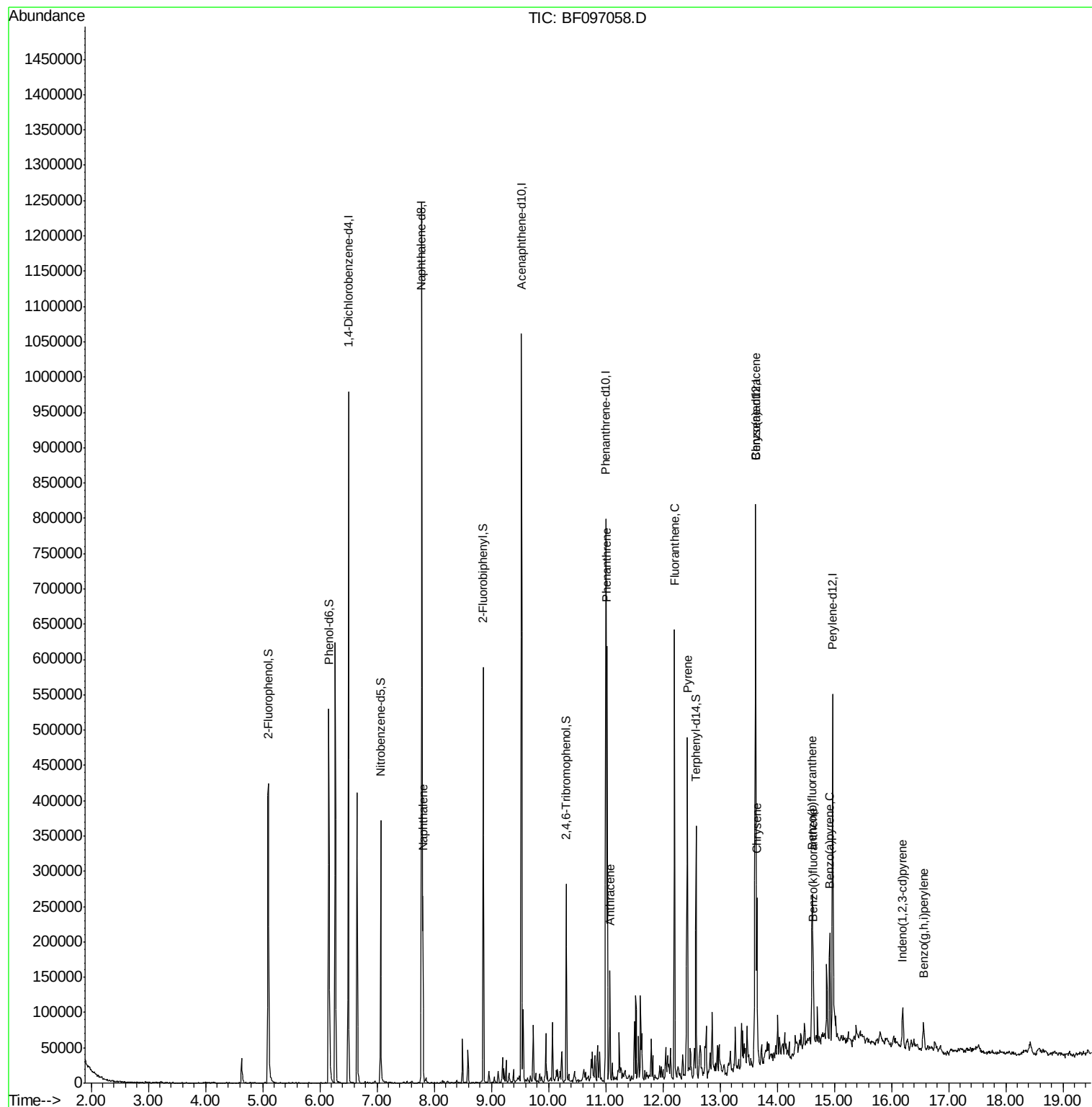
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097058.D
Acq On : 26 Jul 2017 5:39
Operator : SJ/JU
Sample : I4305-05 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

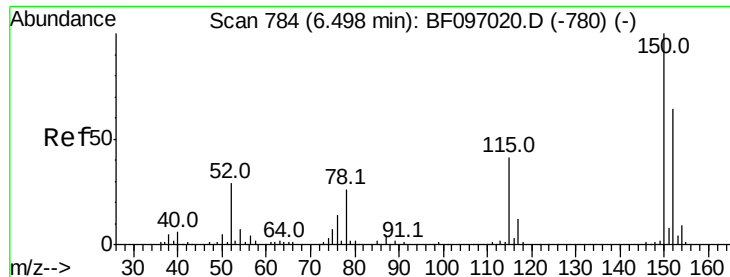
Instrument :
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E2-M5-WSW

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#1

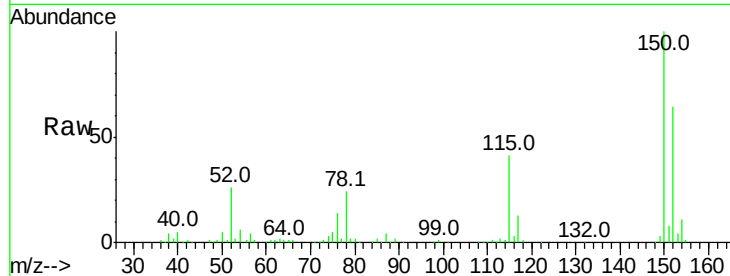
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
E2-M5-WSW

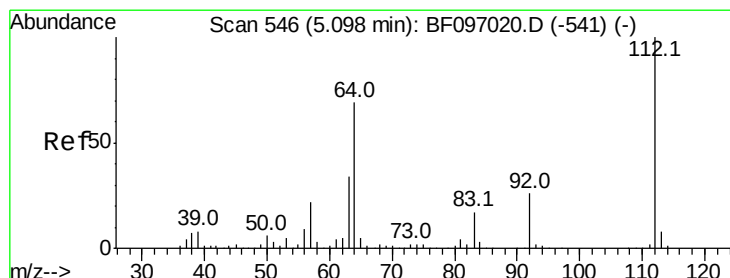
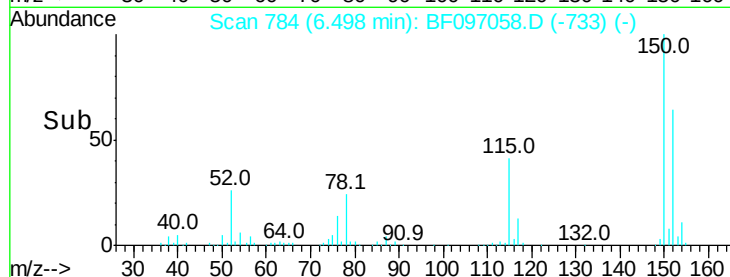
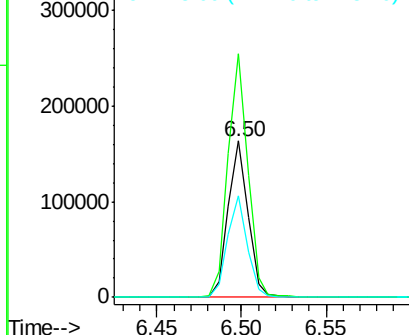
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	64.6	52.2	78.2

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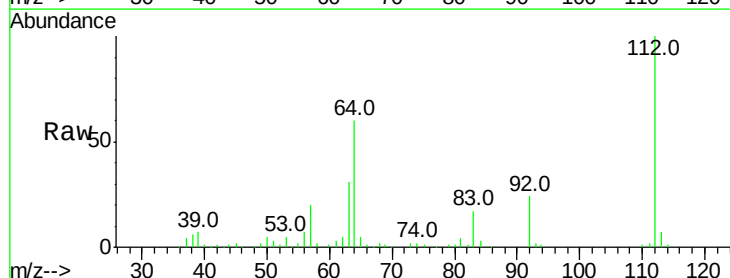
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



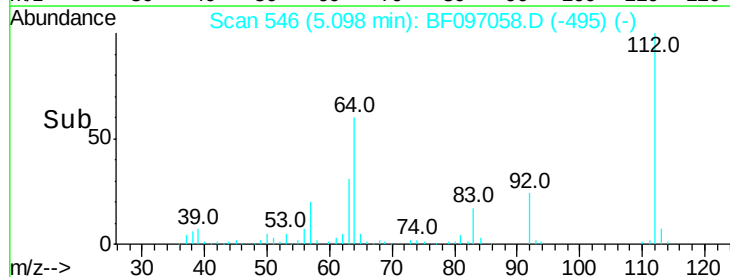
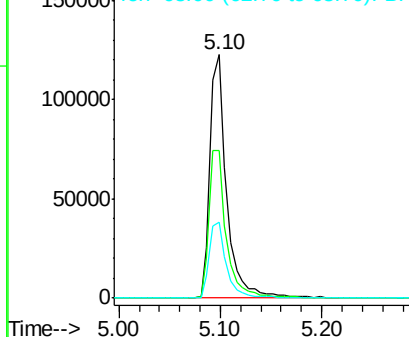
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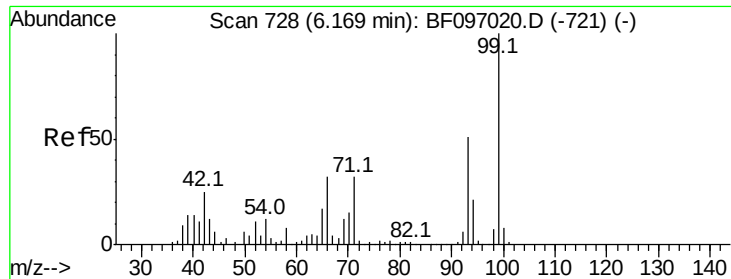
2-Fluorophenol
Concen: 15.930 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.0	69.0
63	31.0	23.4	35.0



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: 16.892 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Instrument :

BNA_F

ClientSampleId :

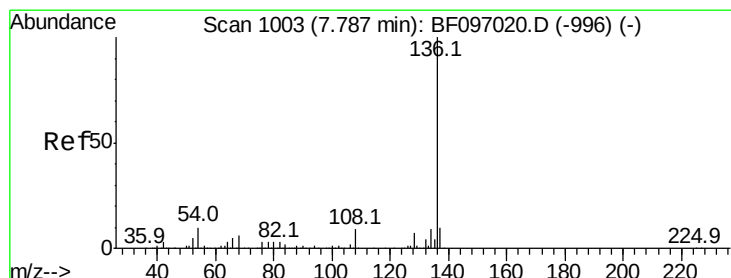
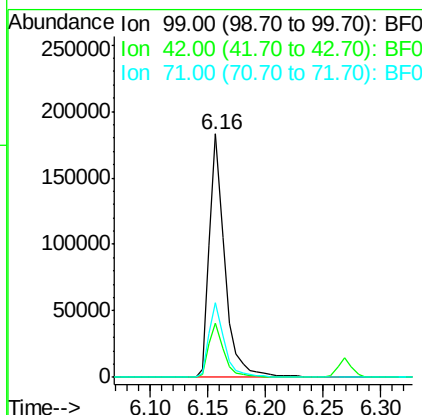
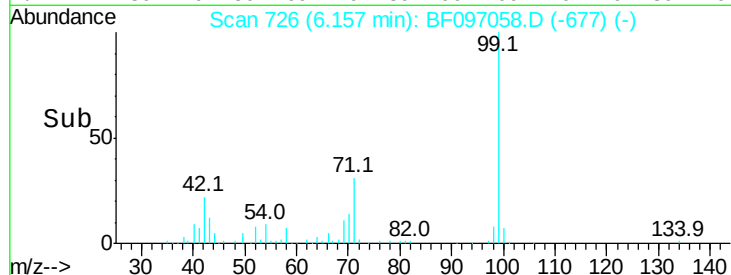
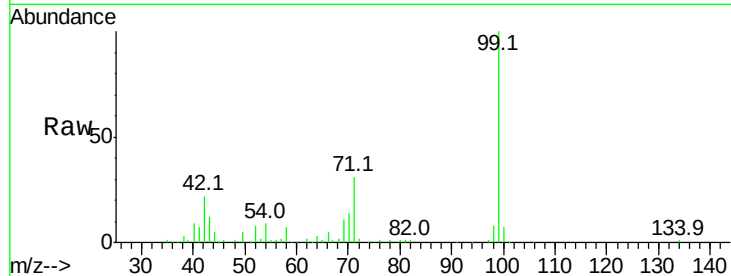
E2-M5-WSW

Tot Ion:	99	Resp:	171264
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	30.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

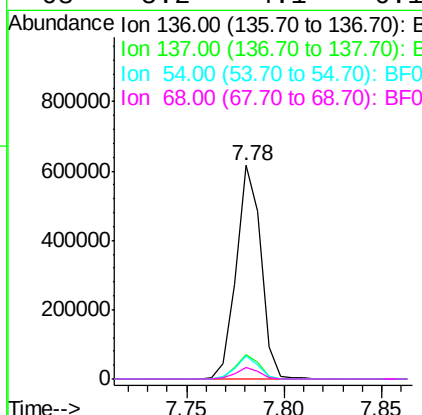
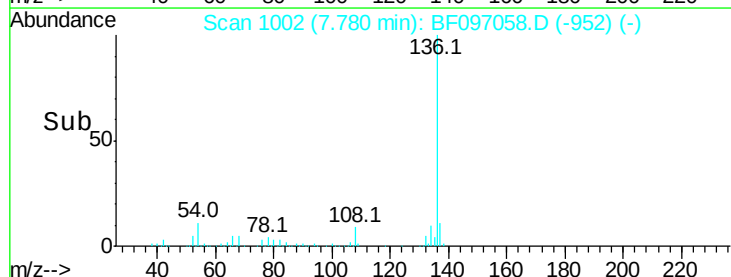
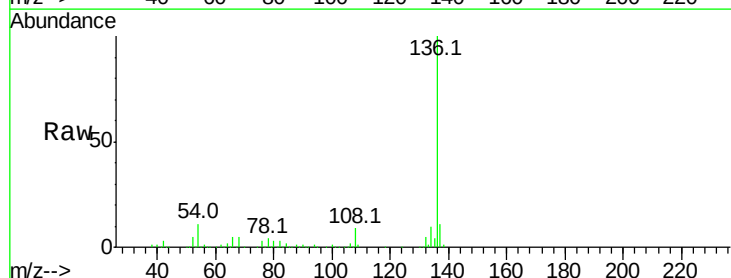
RT: 7.78 min Scan# 1002

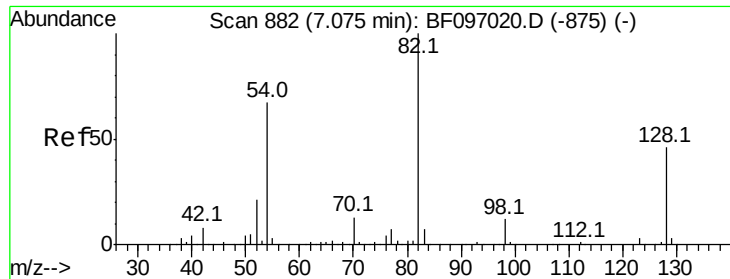
Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Tgt Ion:	136	Resp:	541869
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	10.6	4.9	7.3#
68	5.2	4.1	6.1





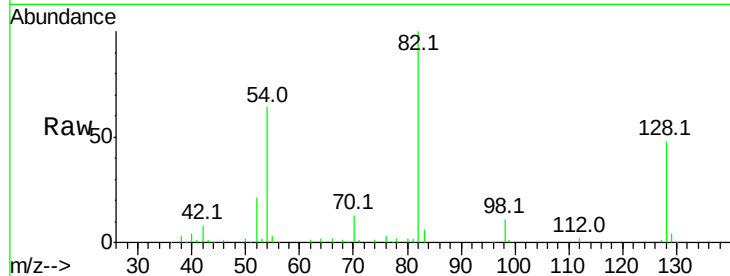
#23
Nitrobenzene-d5
Concen: 10.773 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
E2-M5-WSW

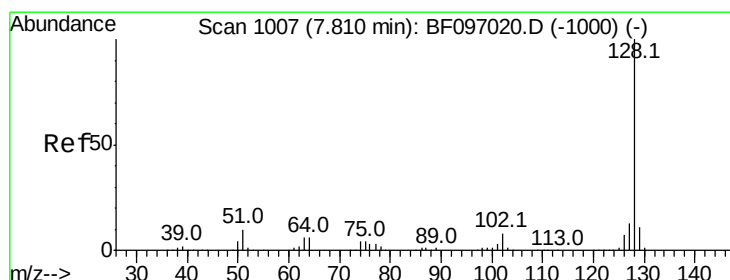
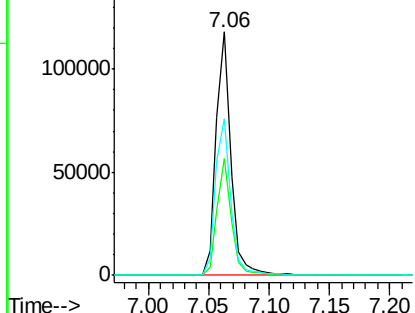
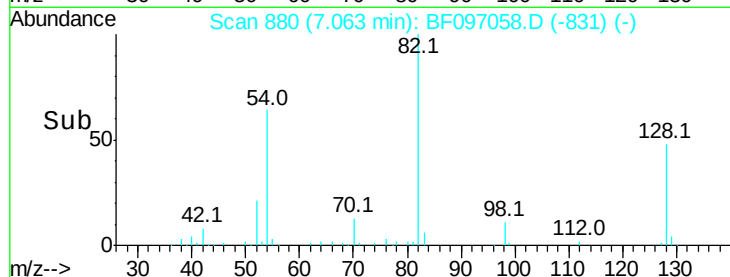
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	64.2	42.2	63.2#

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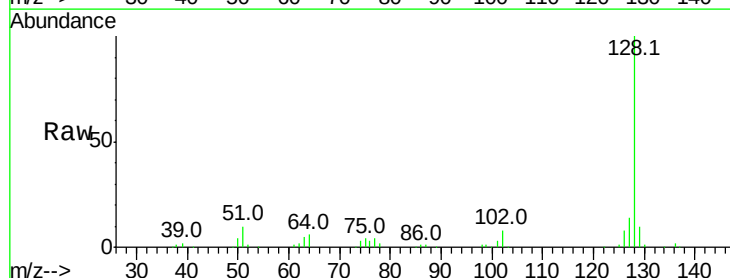


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

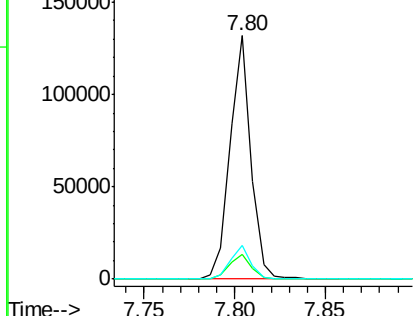
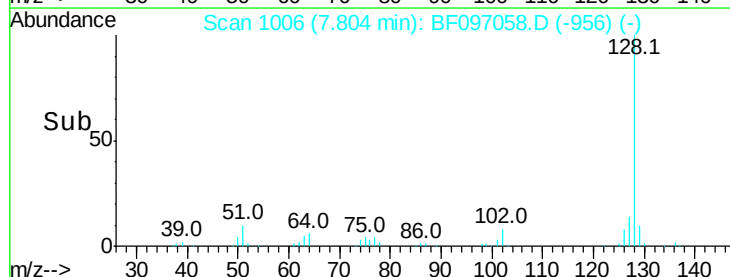


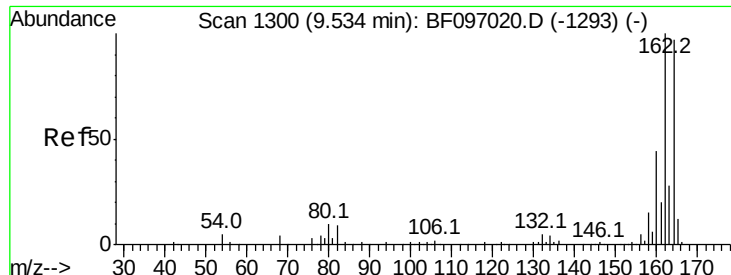
#31
Naphthalene
Concen: 4.159 ng
RT: 7.80 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.0	13.6
127	13.9	10.8	16.2



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





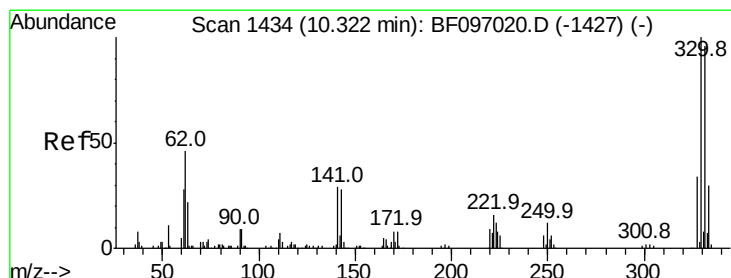
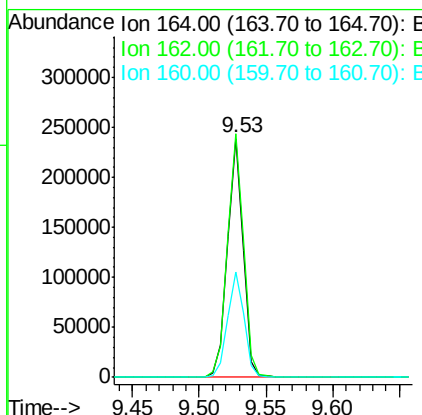
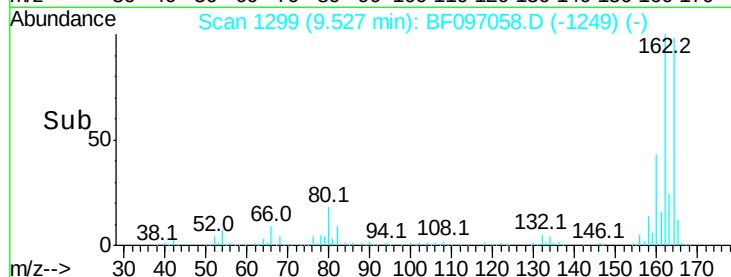
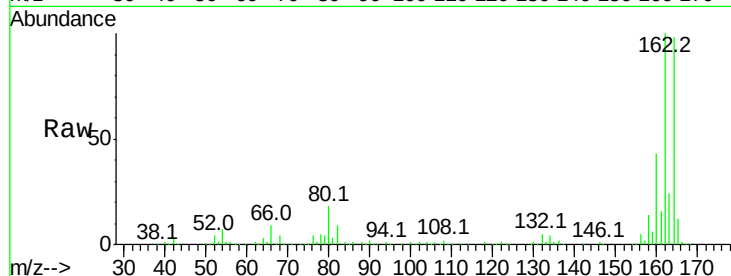
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097058.D
 Acq: 26 Jul 2017 5:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	200205		
162	102.1	82.6	123.8	
160	44.3	36.2	54.2	

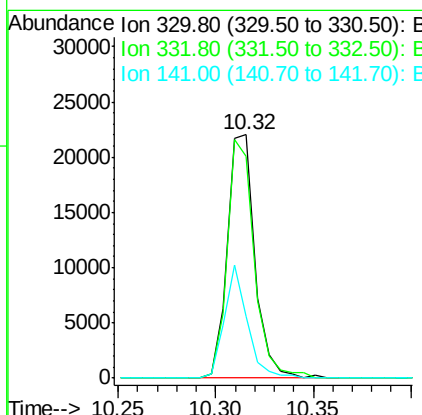
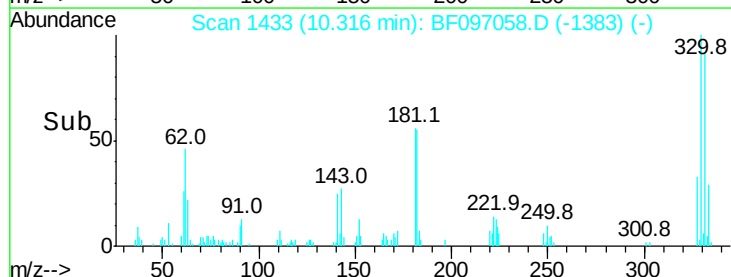
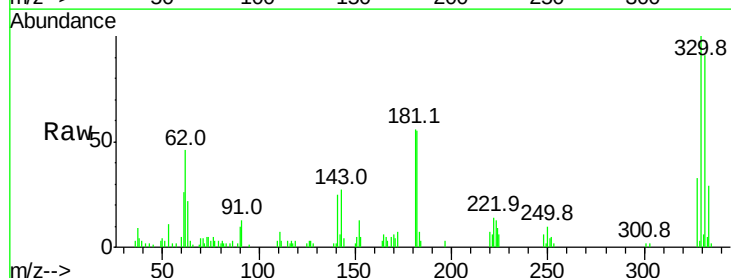
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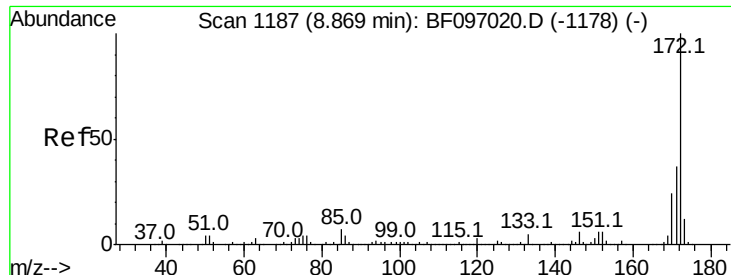
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#41
 2,4,6-Tribromophenol
 Concen: 13.661 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097058.D
 Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	21609		
332	95.6	76.6	115.0	
141	38.7	31.4	47.2	





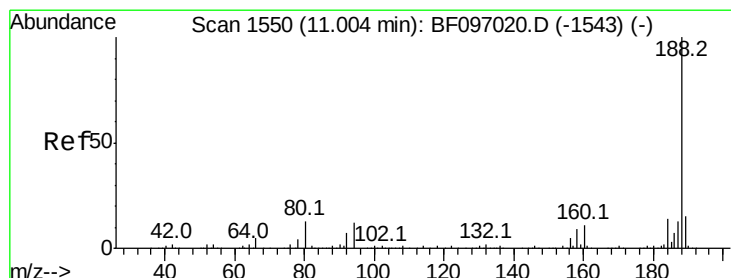
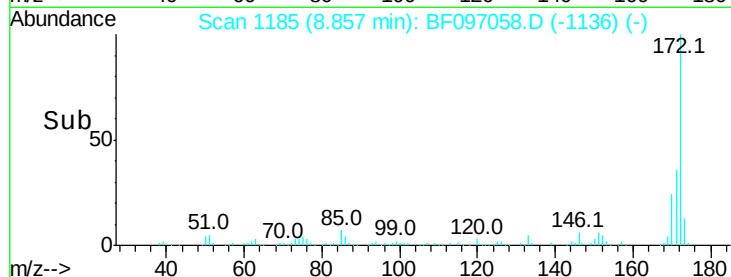
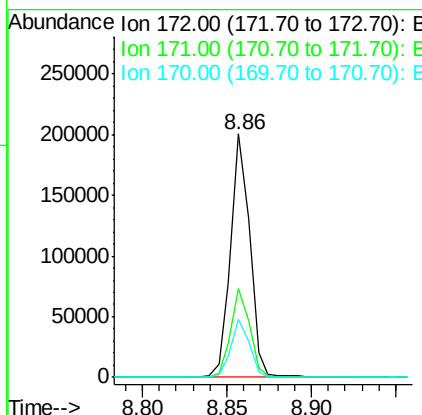
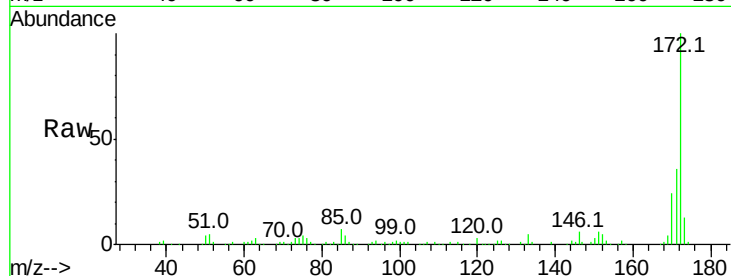
#44
 2-Fluorobiphenyl
 Concen: 13.511 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097058.D
 Acq: 26 Jul 2017 5:39

Instrument :
 BNA_F
 ClientSampled :
 E2-M5-WSW

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	19.8	29.8

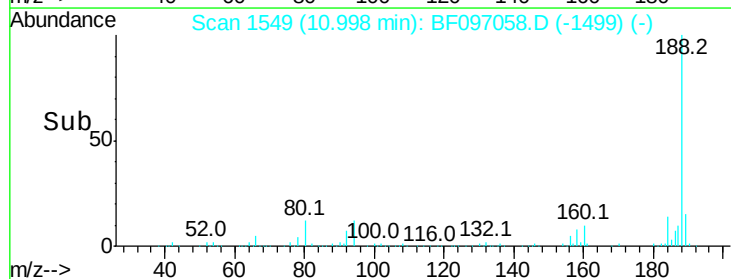
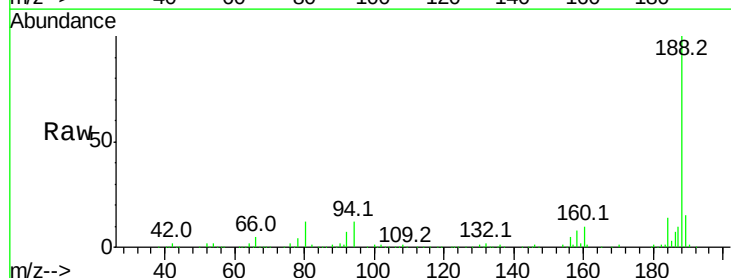
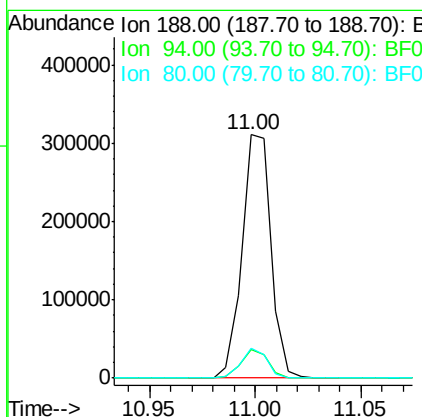
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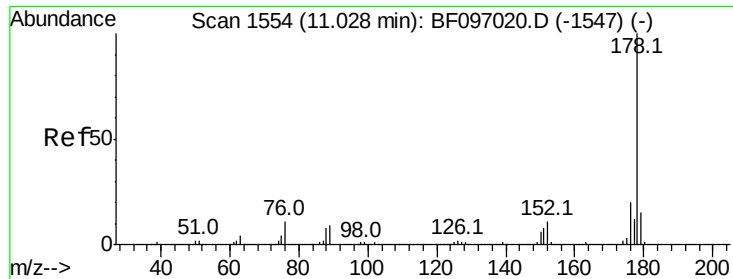
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097058.D
 Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.1	10.2	15.2





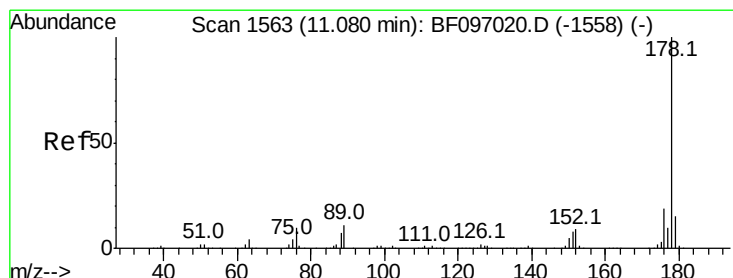
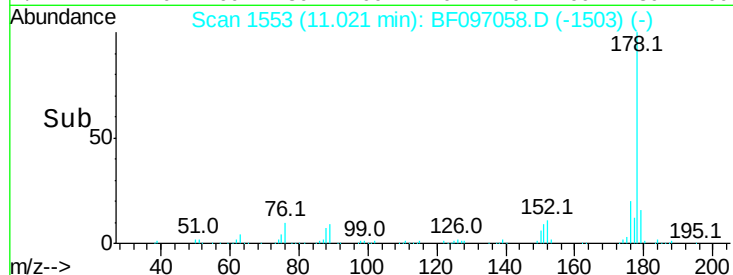
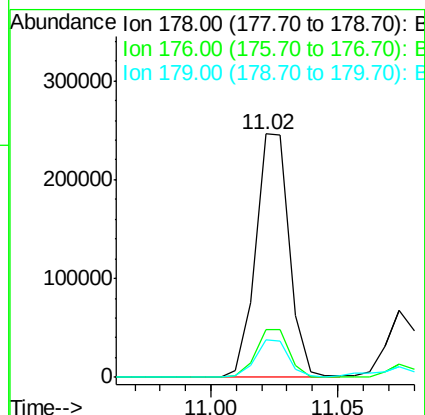
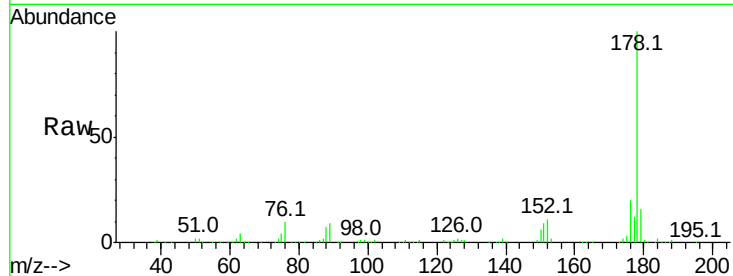
#70
Phenanthrene
Concen: 14.442 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
E2-M5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
178	100	228151		
176	19.7	16.2	24.4	
179	15.5	12.6	19.0	

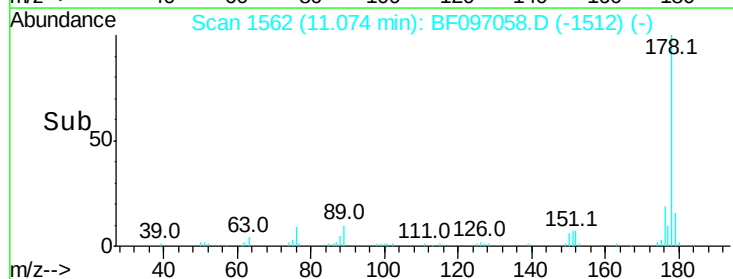
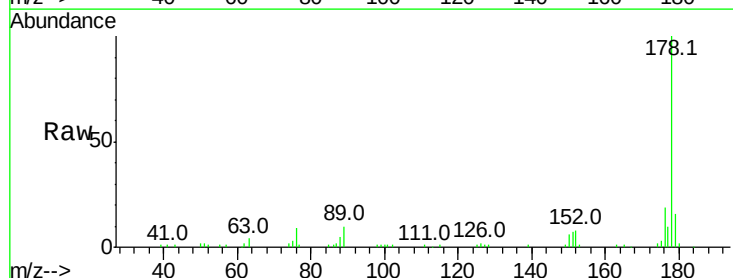
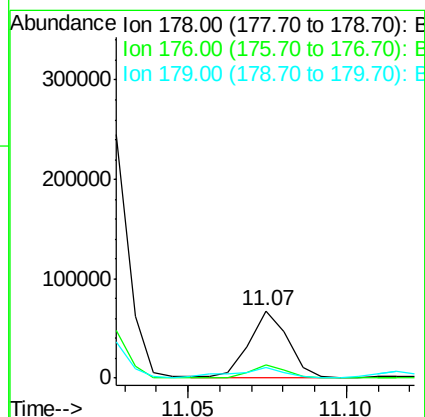
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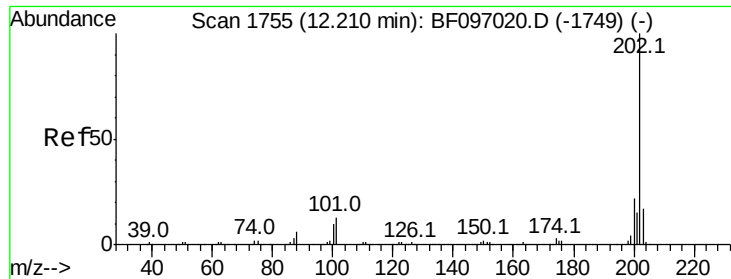
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#71
Anthracene
Concen: 3.498 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	56606		
176	19.3	15.8	23.8	
179	15.7	12.7	19.1	





#74

Fluoranthene

Concen: 14.447 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Instrument :

BNA_F

ClientSampleId :

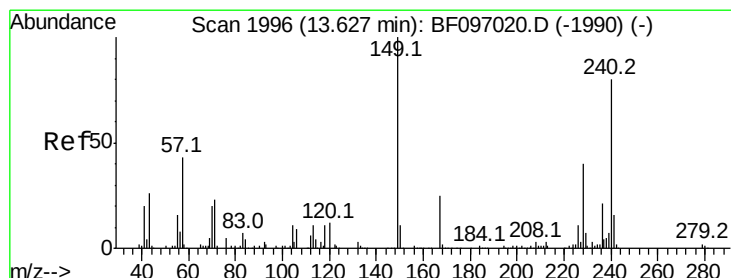
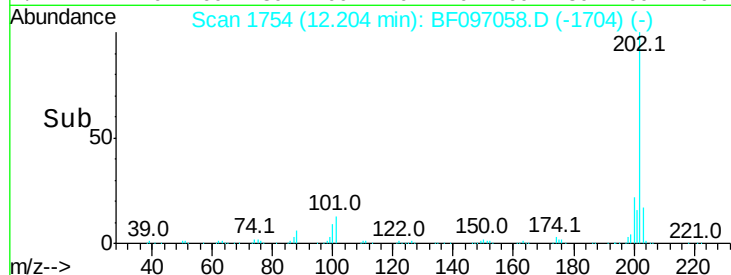
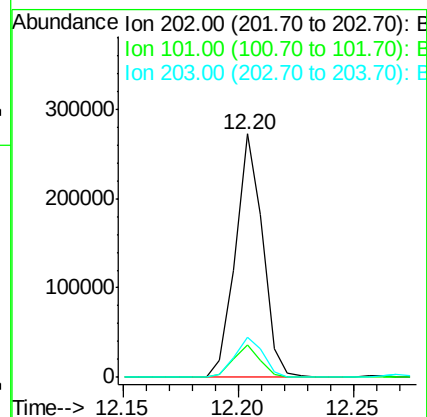
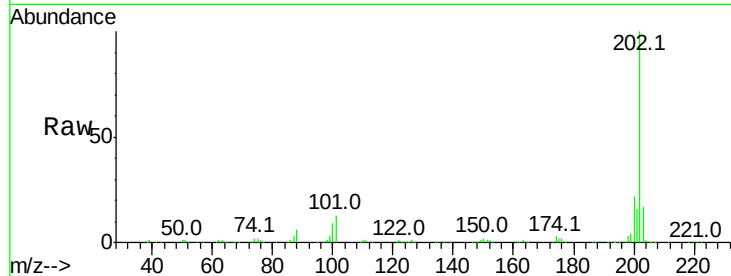
E2-M5-WSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

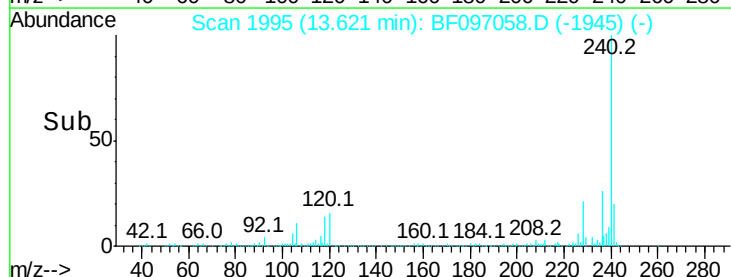
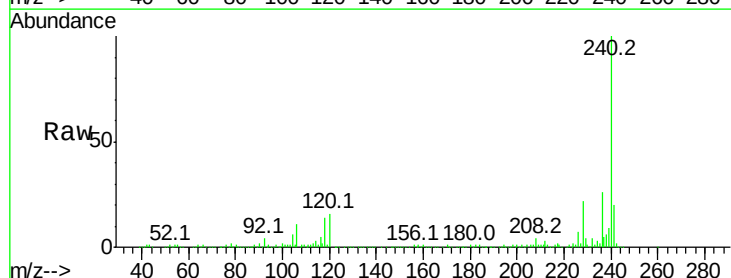
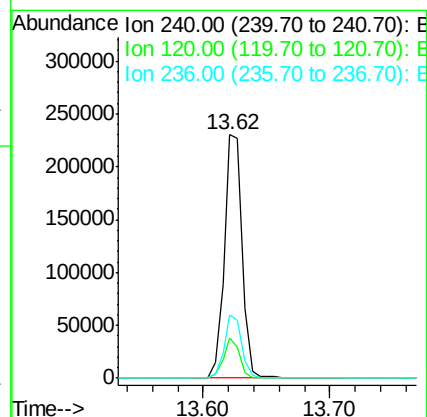
RT: 13.62 min Scan# 1995

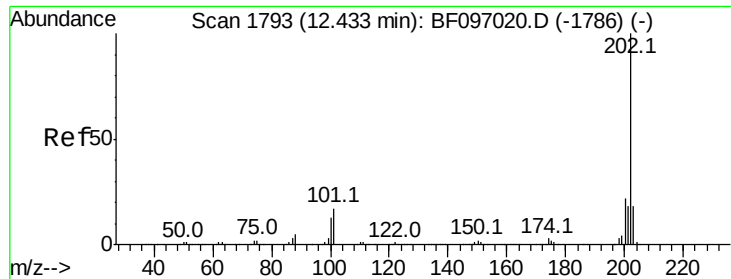
Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	26.1	20.5	30.7





#77

Pvrene

Concen: 10.581 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Instrument :

BNA_F

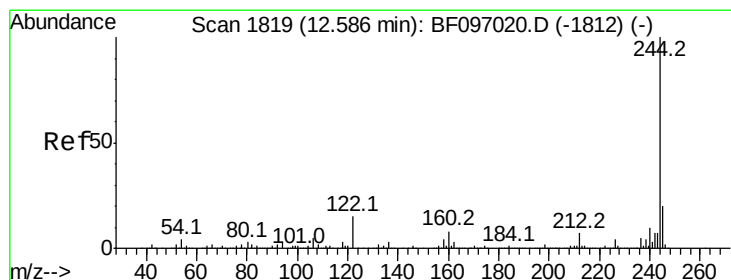
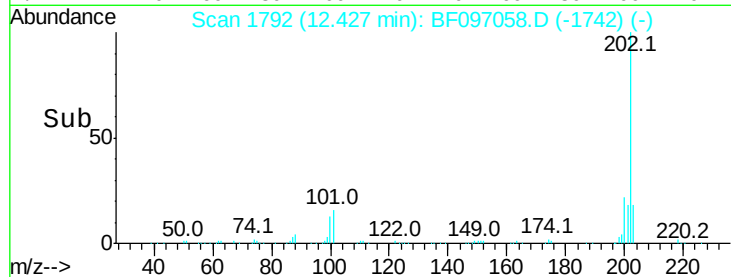
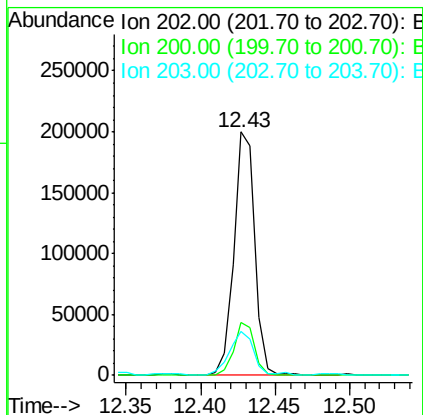
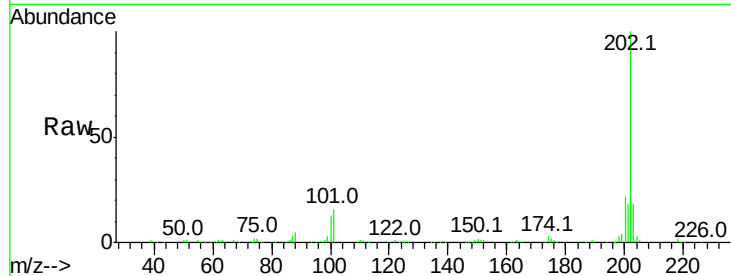
ClientSampled :

E2-M5-WSW

Tot Ion:	202	Resp:	196010
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	18.2	14.4	21.6

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7/26/2017 5:54:36 PM



#78

Terphenyl-d14

Concen: 8.297 ng

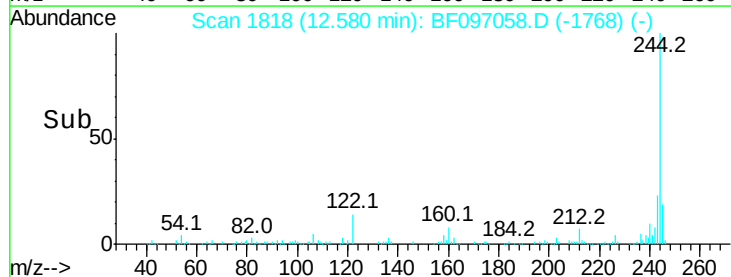
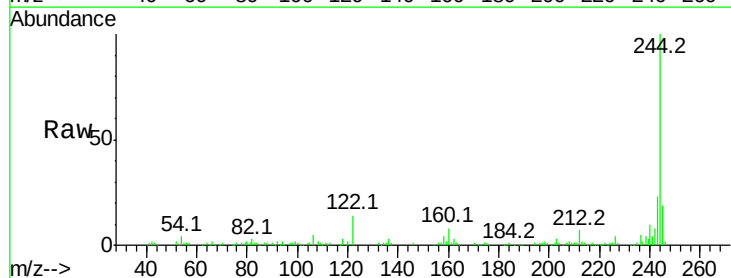
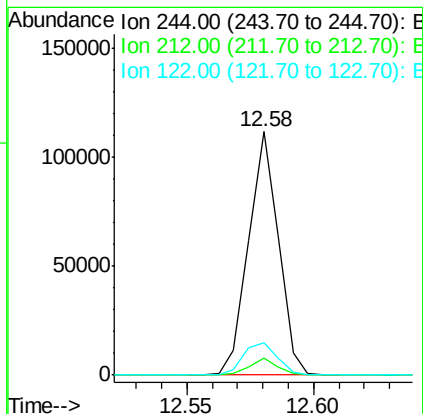
RT: 12.58 min Scan# 1818

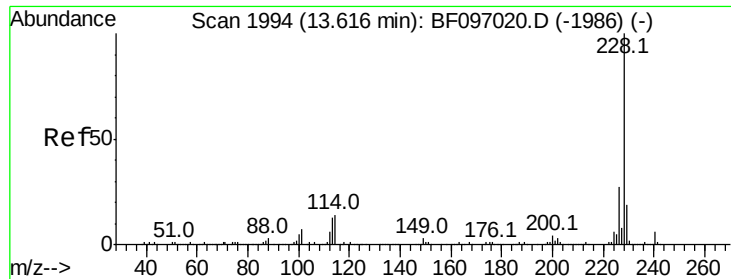
Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Tgt Ion:	244	Resp:	92078
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	13.6	10.3	15.5





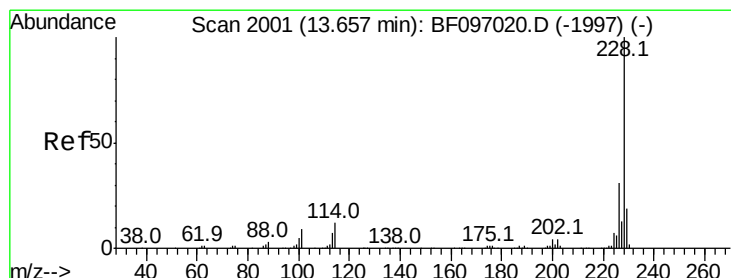
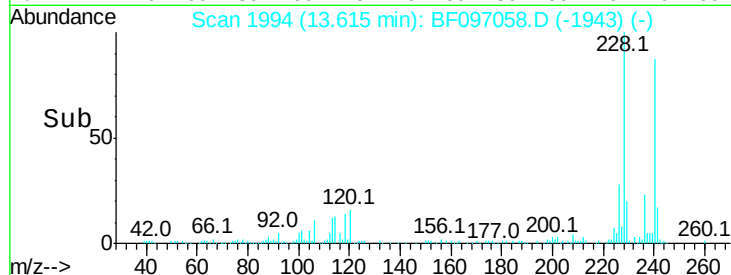
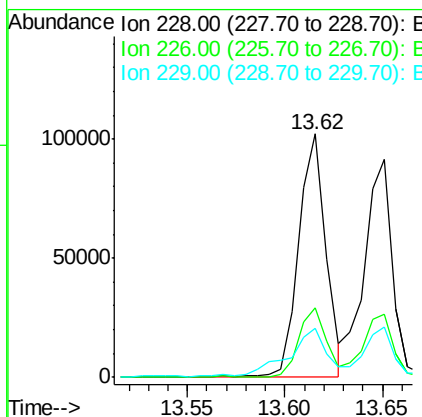
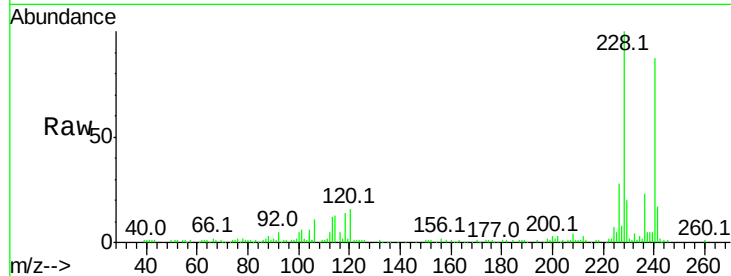
#80
Benzo(a)anthracene
Concen: 6.772 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Instrument :
BNA_F
ClientSampled :
E2-M5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
228	100	99150		
226	28.5		22.6	33.8
229	20.2		16.3	24.5

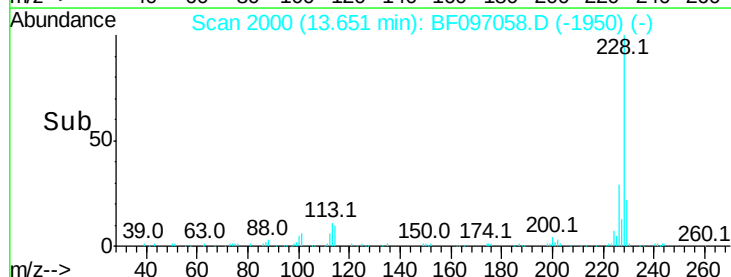
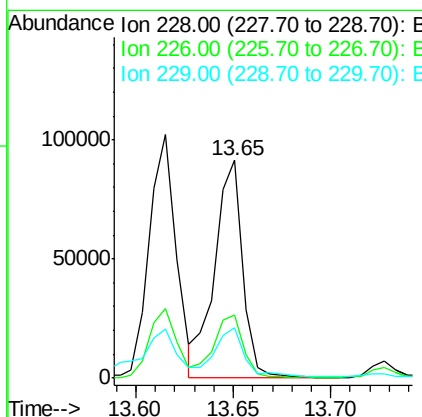
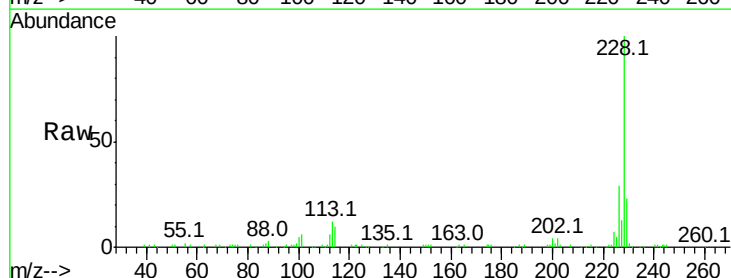
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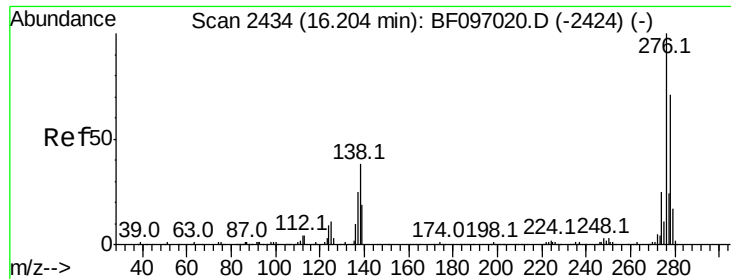
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7/26/2017 5:54:36 PM



#82
Chrysene
Concen: 6.446 ng
RT: 13.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	92161		
226	29.2		24.9	37.3
229	23.1		15.8	23.6





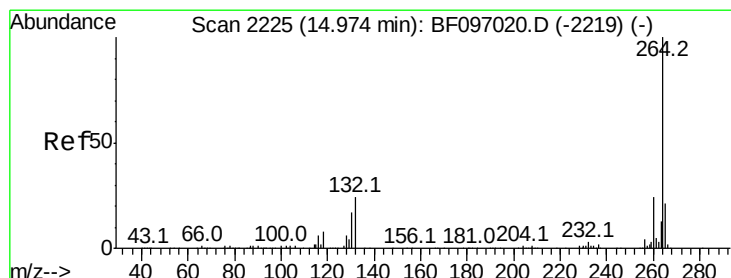
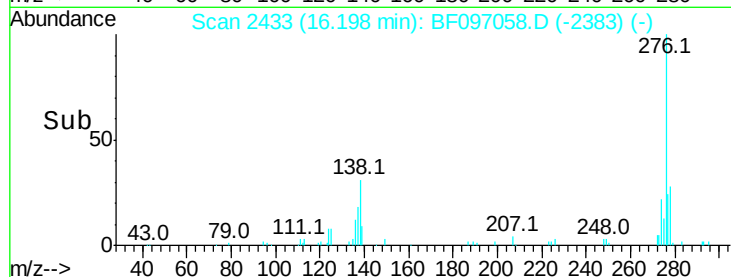
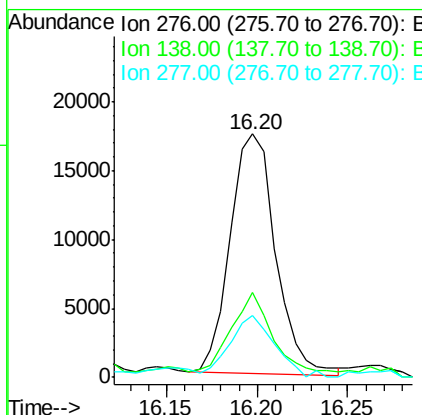
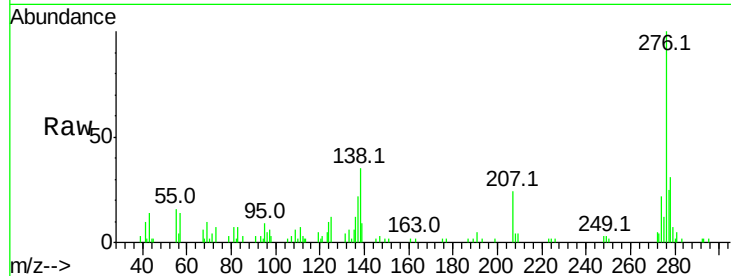
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.467 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
E2-M5-WSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	27.8	41.6
277	25.6	20.2	30.4

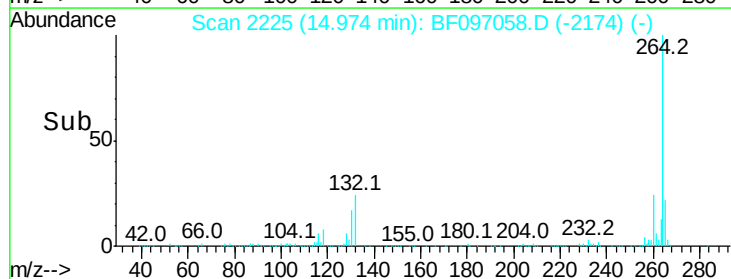
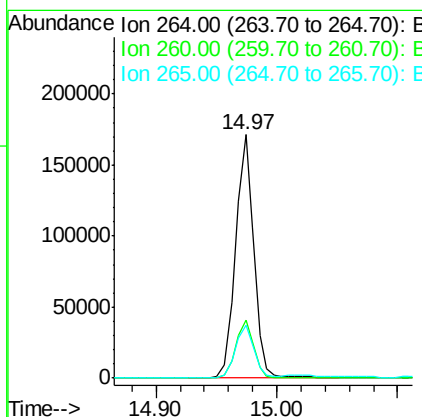
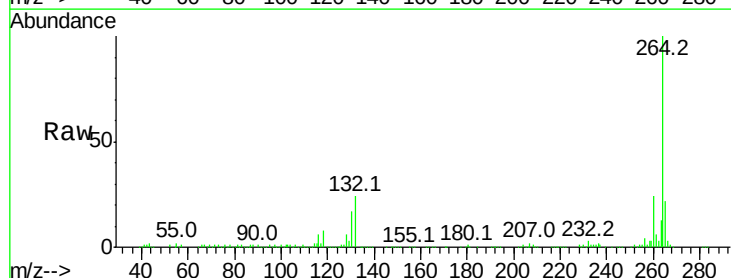
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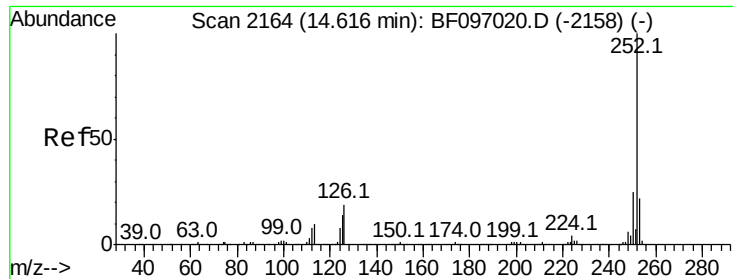
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7/26/2017 5:54:36 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.102 ng m

RT: 14.62 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Instrument :

BNA_F

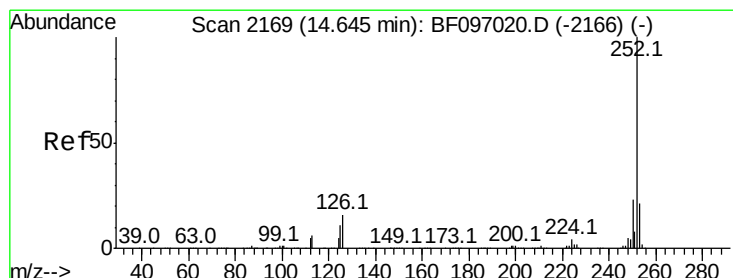
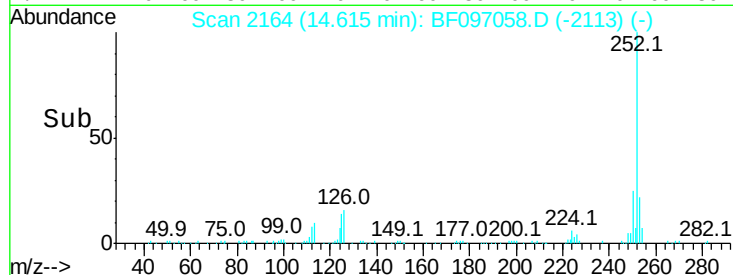
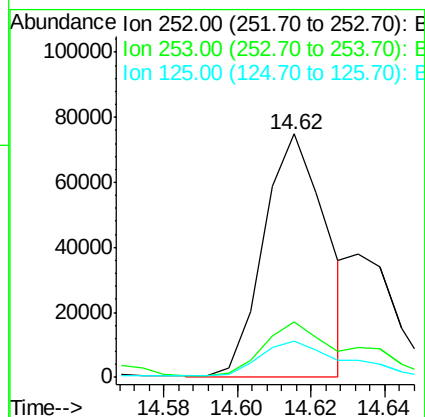
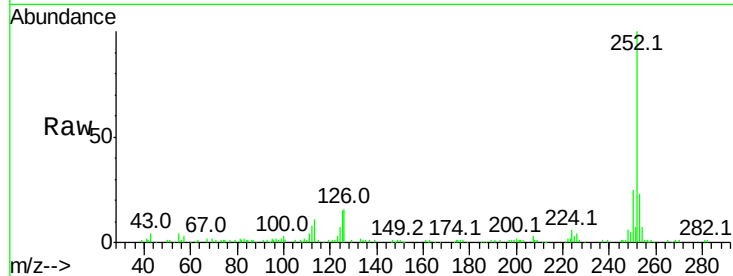
ClientSampleId :

E2-M5-WSW

Tot Ion:	252	Resp:	88374
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	14.8	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 3.057 ng m

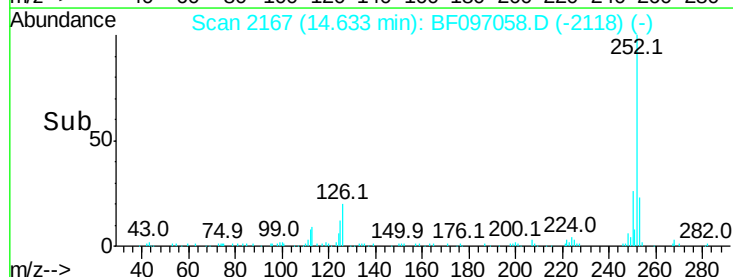
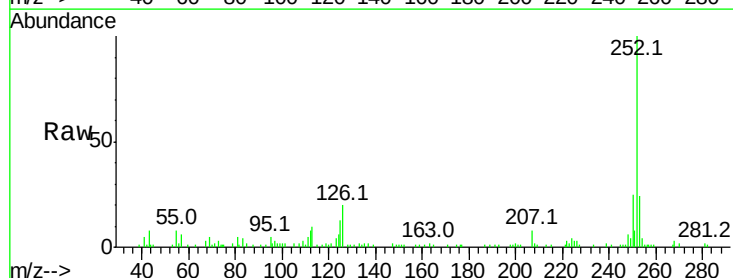
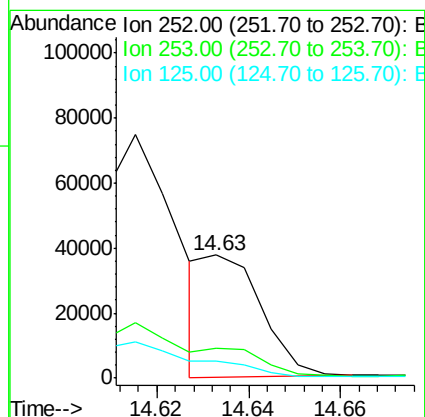
RT: 14.63 min Scan# 2167

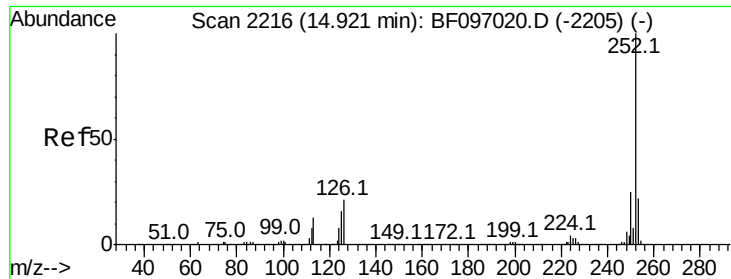
Delta R.T. -0.01 min

Lab File: BF097058.D

Acq: 26 Jul 2017 5:39

Tgt Ion:	252	Resp:	31771
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	13.4	13.1	19.7





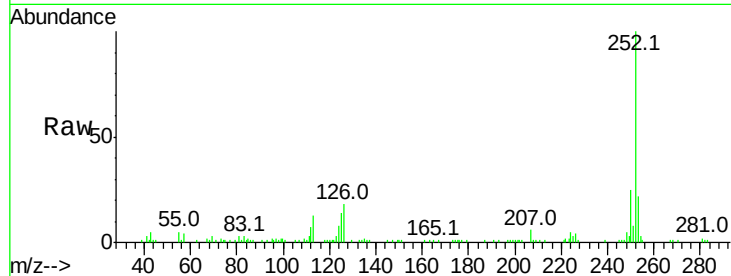
#89
Benzo(a)pyrene
Concen: 6.390 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
E2-M5-WSW

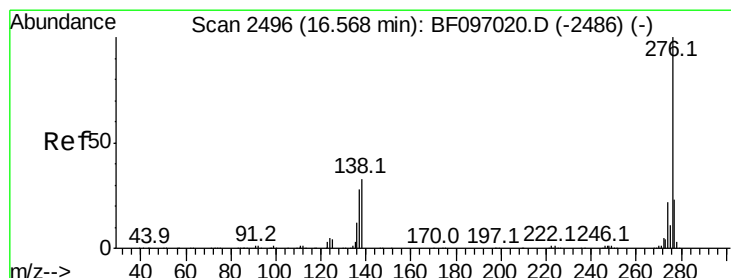
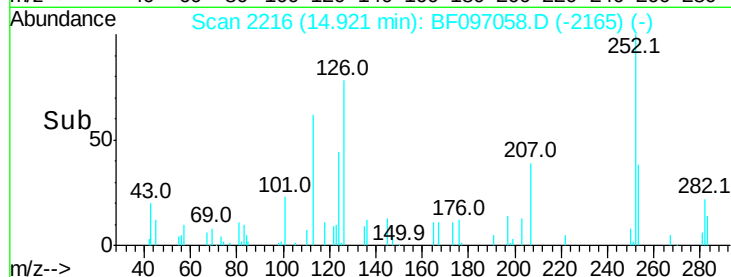
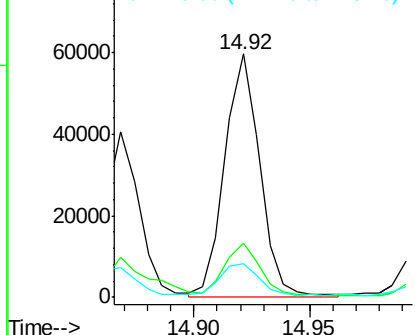
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	13.8	11.0	16.4

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



#91
Benzo(g,h,i)perylene
Concen: 3.183 ng
RT: 16.56 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BF097058.D
Acq: 26 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	28.9	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

