

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097110.D
 Acq On : 27 Jul 2017 7:39
 Operator : SJ/JU
 Sample : I4443-09 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M6-SSW

Manual Integrations
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Sohil
 7/27/2017 12:31:52 PM

Quant Time: Jul 27 10:05:30 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	6.49	152	115786	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	449470	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	183402	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	273328	20.00	ng	0.00
75) Chrysene-d12	13.63	240	202845	20.00	ng	0.00
86) Perylene-d12	14.98	264	187497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	198890	25.89	ng	0.00
7) Phenol-d6	6.15	99	236326	26.95	ng	-0.02
23) Nitrobenzene-d5	7.06	82	133130	17.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	35587	24.56	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	169140	15.65	ng	-0.01
78) Terphenyl-d14	12.59	244	88810	8.93	ng	0.00
Target Compounds						Qvalue
59) Diethylphthalate	9.96	149	27046	2.117	ng	97
70) Phenanthrene	11.02	178	146555	10.007	ng	98
71) Anthracene	11.07	178	37298	2.487	ng	97
74) Fluoranthene	12.21	202	195669	13.638	ng	97
77) Pyrene	12.43	202	219236	13.202	ng	97
80) Benzo(a)anthracene	13.62	228	93091	7.093	ng	98
82) Chrysene	13.65	228	81654	6.371	ng	98
85) Indeno(1,2,3-cd)pyrene	16.20	276	31707	2.885	ng	99
87) Benzo(b)fluoranthene	14.62	252	84718m	7.517	ng	
88) Benzo(k)fluoranthene	14.64	252	27597m	2.570	ng	
89) Benzo(a)pyrene	14.93	252	82584	8.006	ng	98
91) Benzo(a,h,i)perylene	16.57	276	39297	4.430	ng	98

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

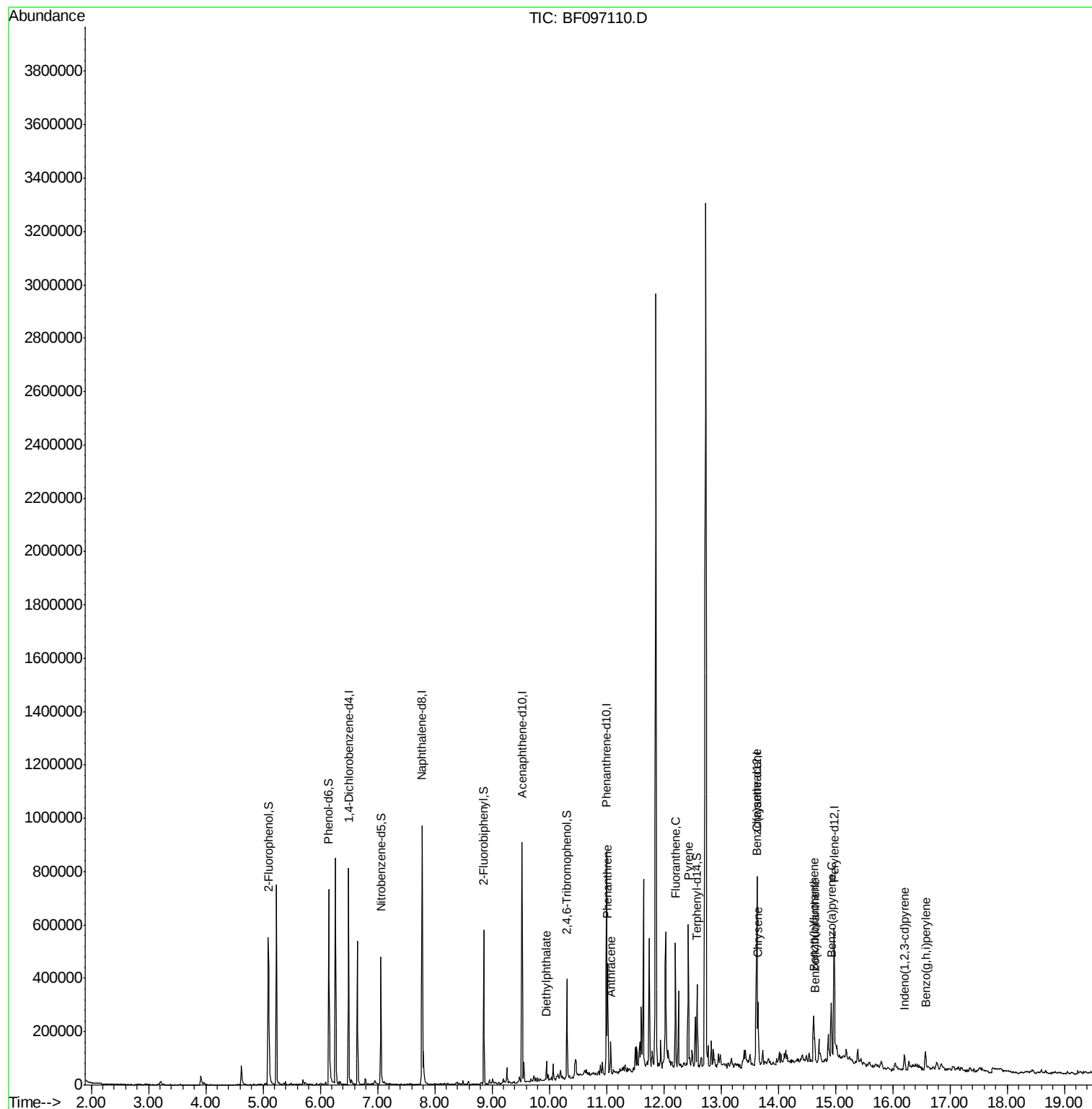
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
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ALS Vial : 29 Sample Multiplier: 1

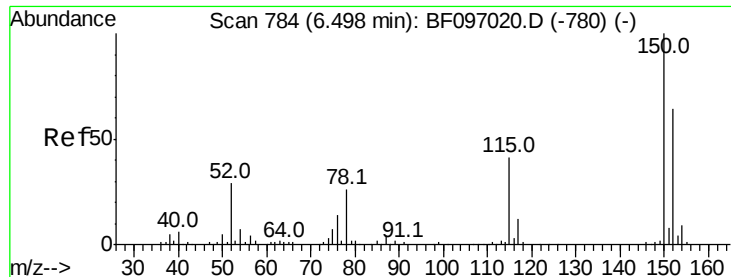
Instrument :
BNA_F
ClientSampled :
E2-M6-SSW

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Quant Time: Jul 27 10:05:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

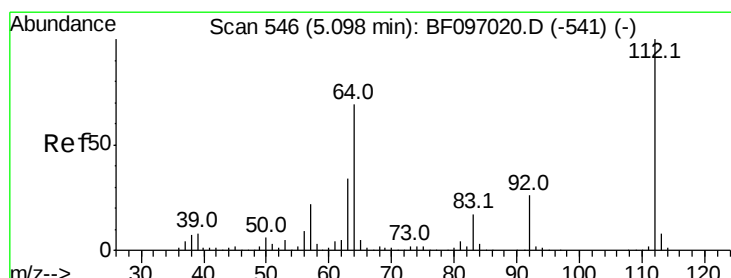
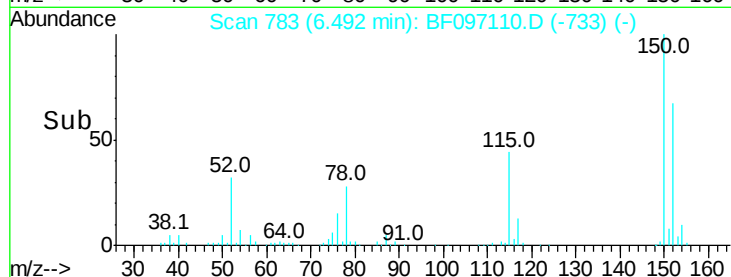
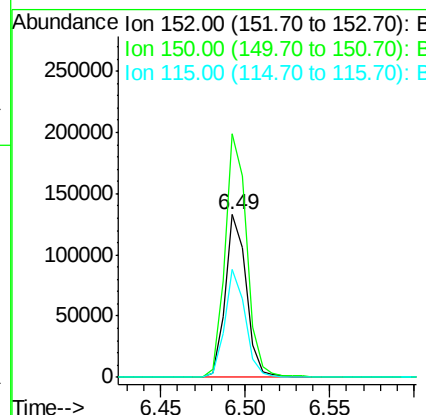
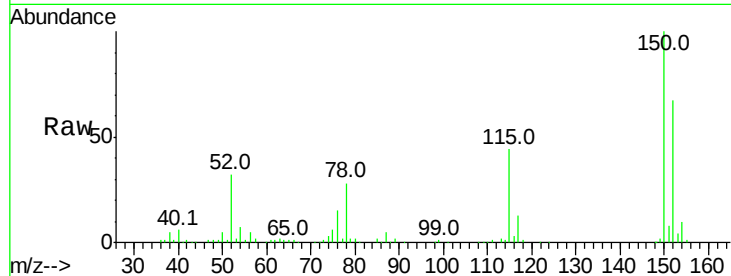
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	126.2	189.2
115	66.2	52.2	78.2

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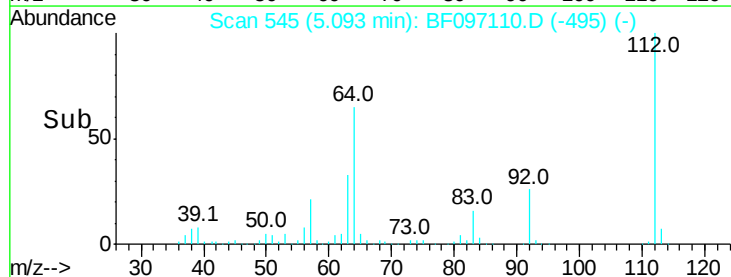
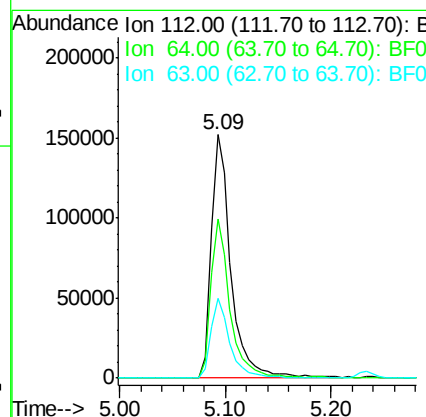
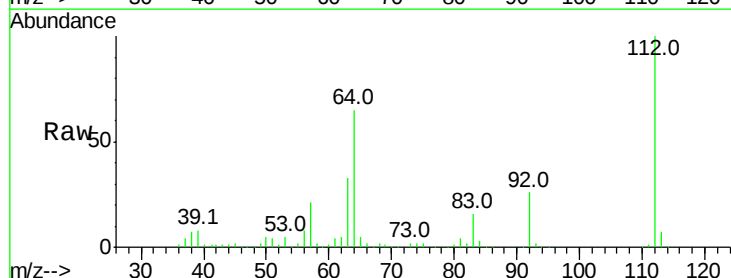
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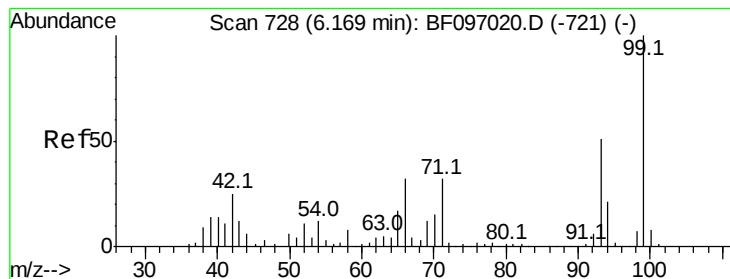


#5

2-Fluorophenol
Concen: 25.895 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.0	69.0
63	32.6	23.4	35.0





#7

Phenol-d6

Concen: 26.952 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Instrument :

BNA_F

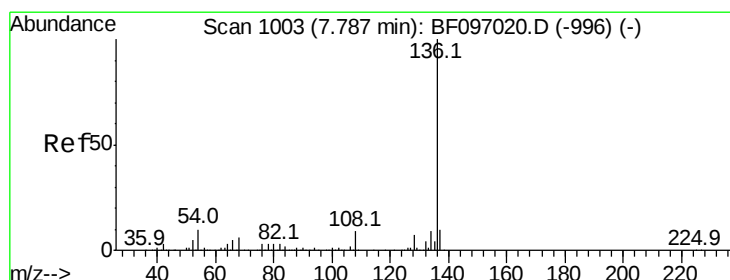
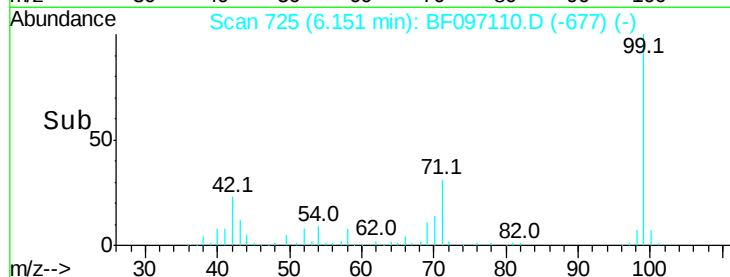
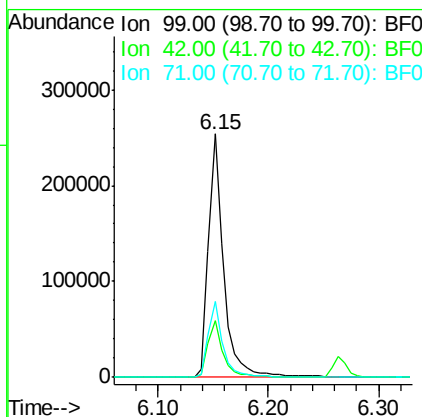
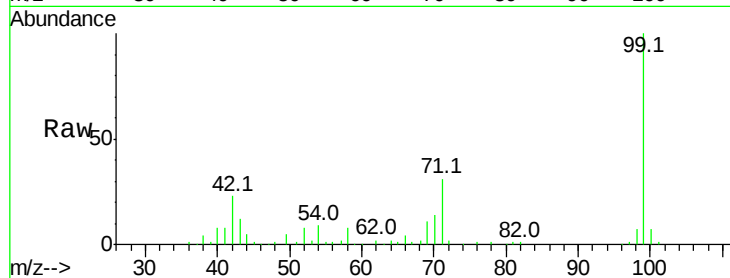
ClientSampleId :

E2-M6-SSW

Tot Ion:	99	Resp:	236326
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

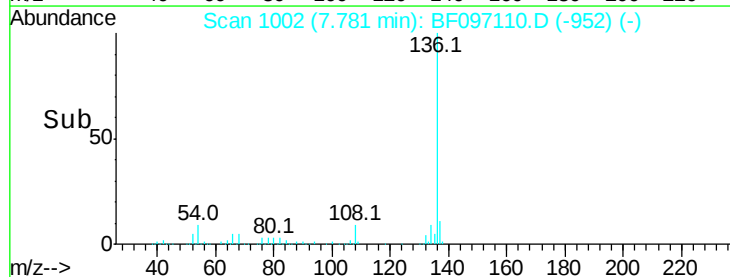
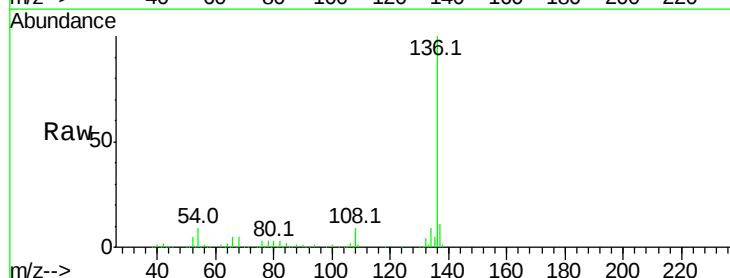
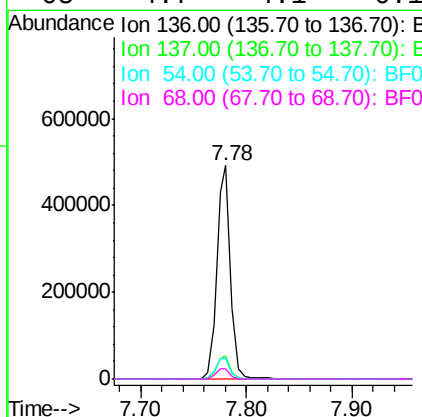
RT: 7.78 min Scan# 1002

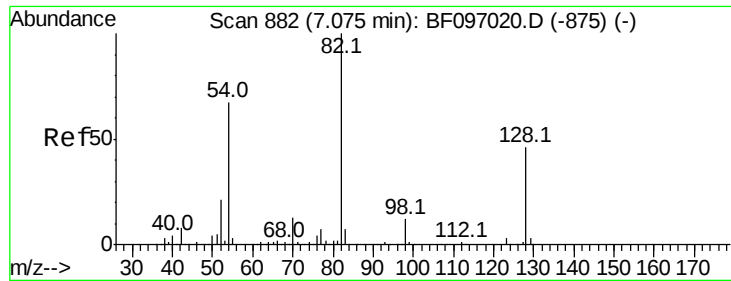
Delta R.T. -0.01 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Tgt Ion:	136	Resp:	449470
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	9.3	4.9	7.3#
68	4.7	4.1	6.1





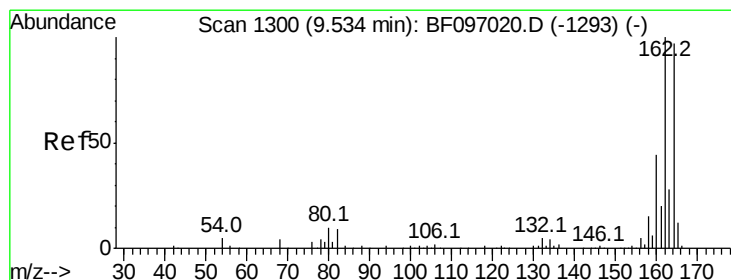
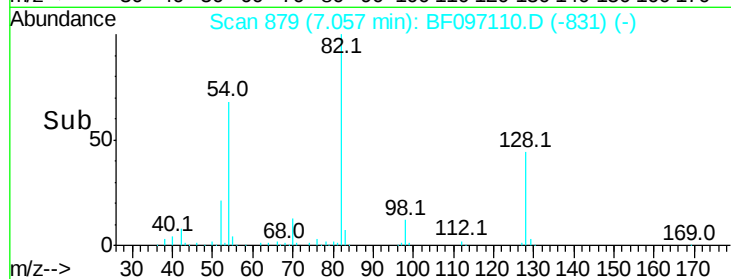
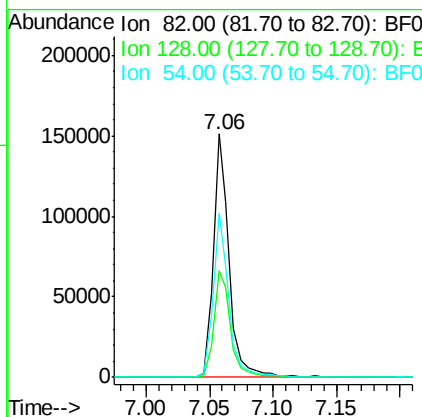
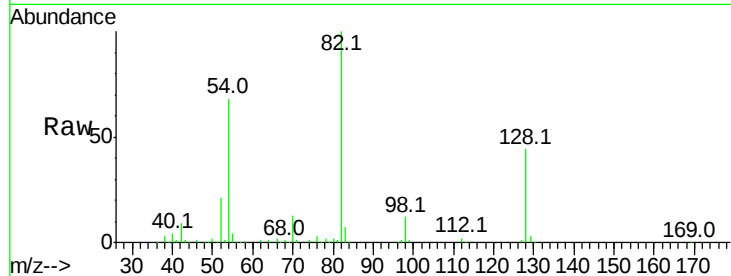
#23
Nitrobenzene-d5
Concen: 17.376 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	67.6	42.2	63.2

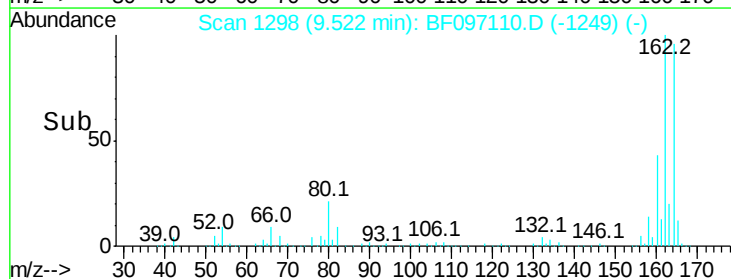
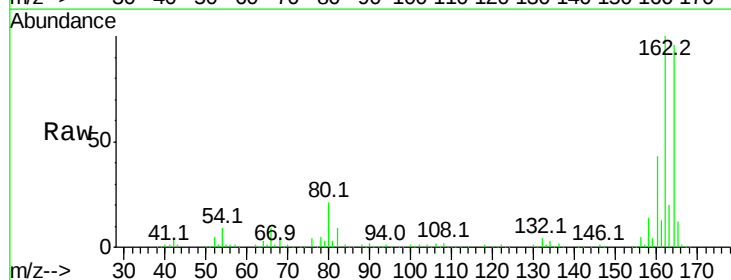
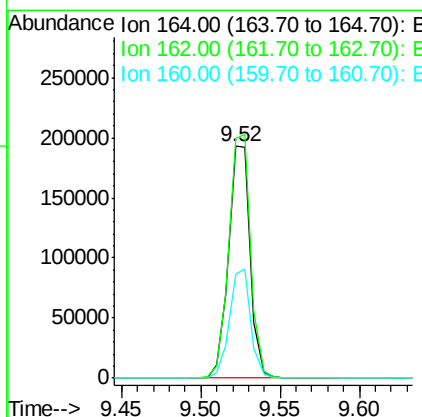
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	44.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 24.559 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Instrument :

BNA_F

ClientSampled :

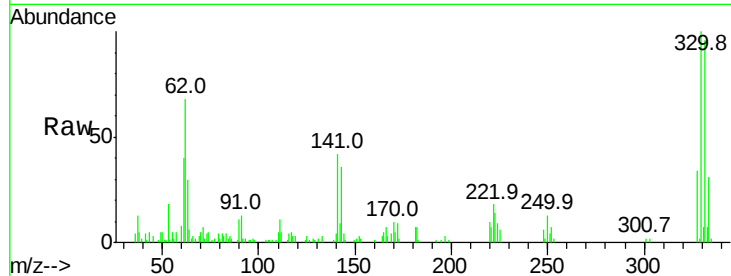
E2-M6-SSW

Tot Ion:	330	Resp:	35587
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.6	115.0
141	42.0	31.4	47.2

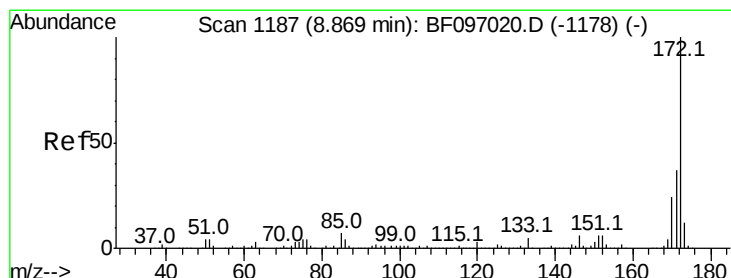
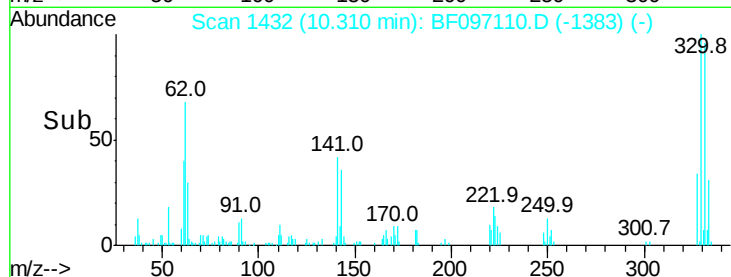
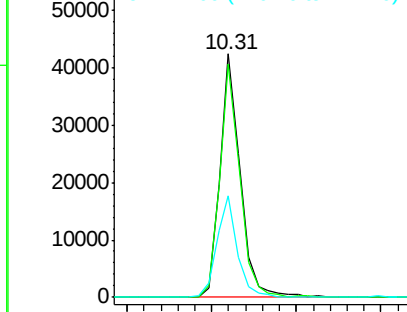
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 15.651 ng

RT: 8.86 min Scan# 1185

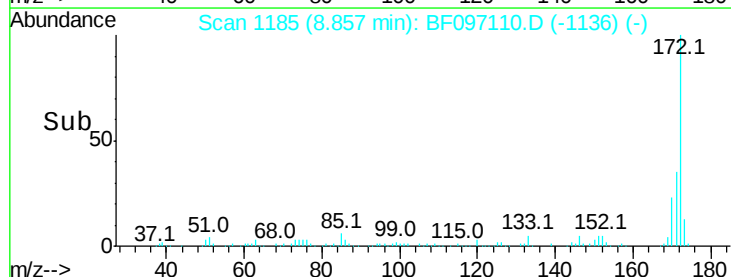
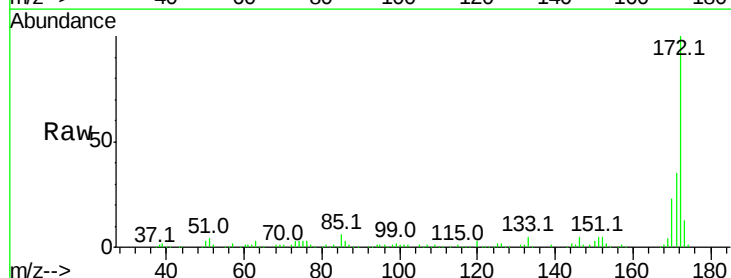
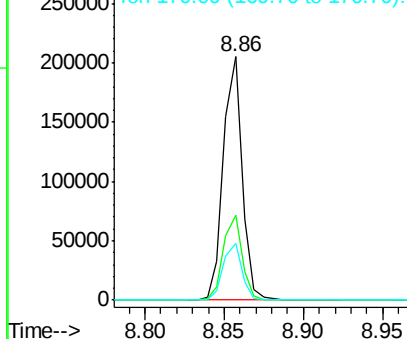
Delta R.T. -0.01 min

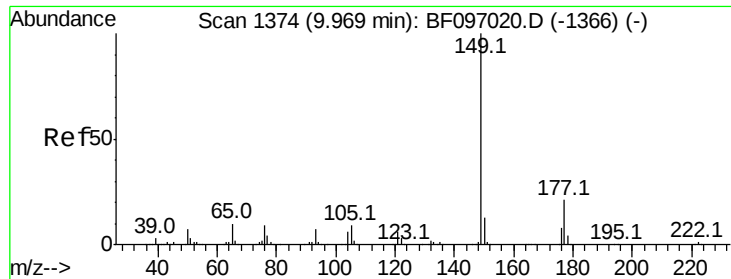
Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Tgt Ion:	172	Resp:	169140
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.6	44.4
170	23.4	19.8	29.8

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





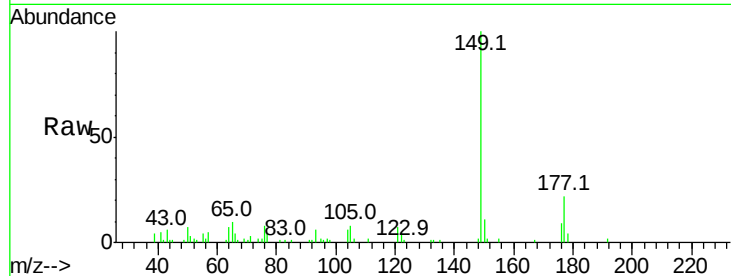
#59
Diethylphthalate
Concen: 2.117 ng
RT: 9.96 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

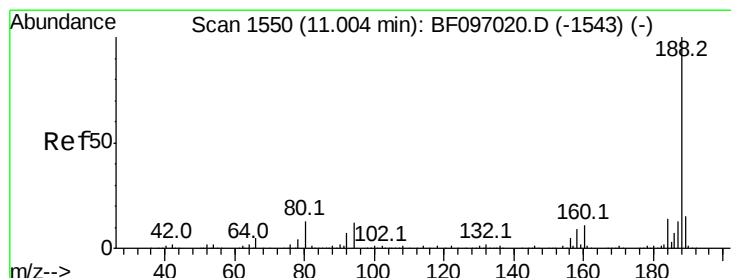
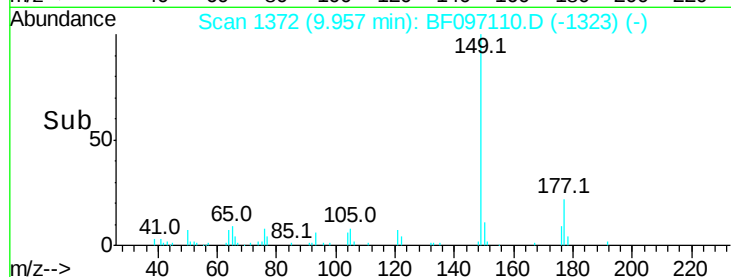
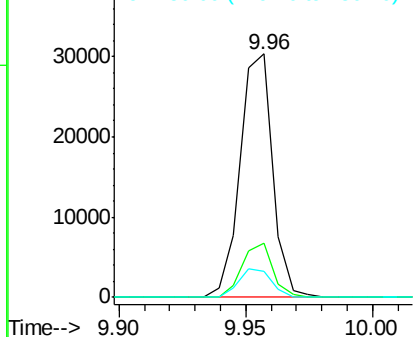
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.2	16.7	25.1
150	10.8	10.2	15.2

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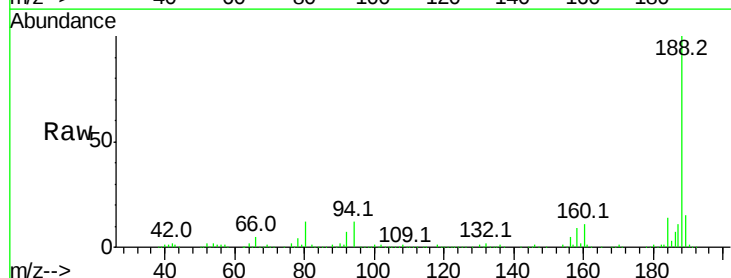


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

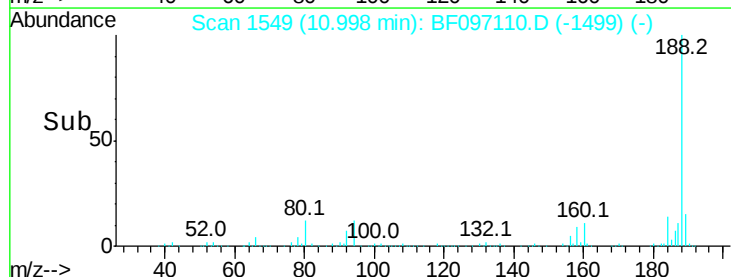
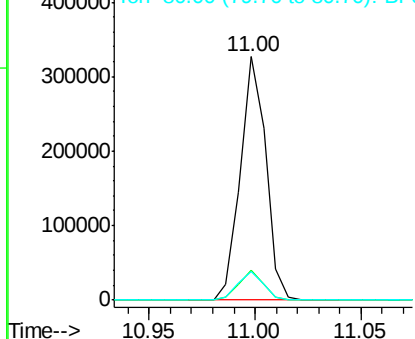


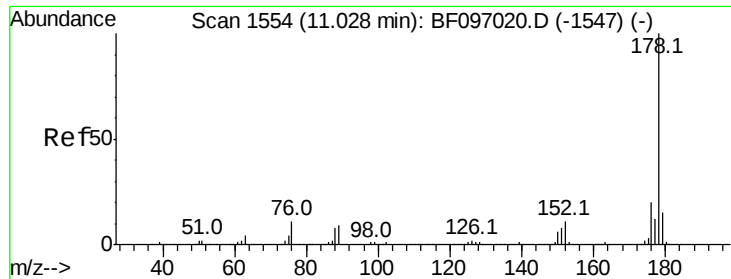
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	11.9	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





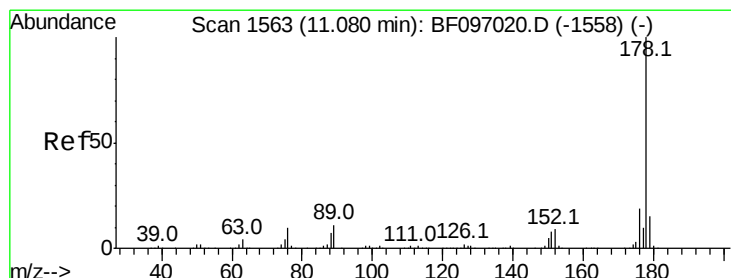
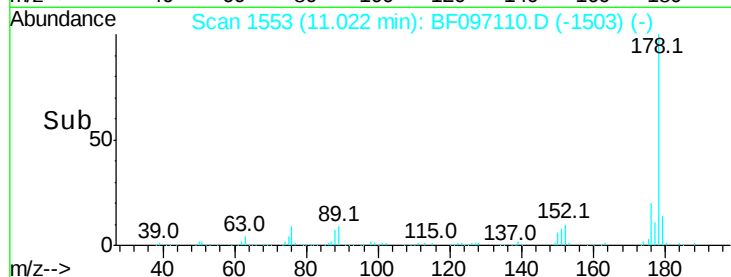
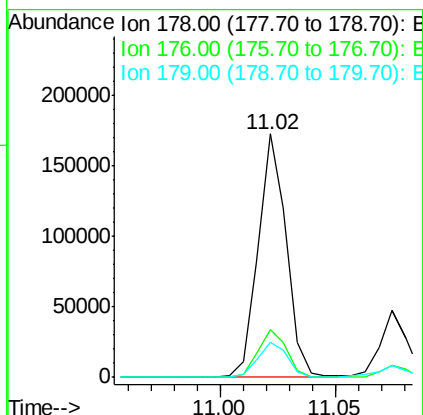
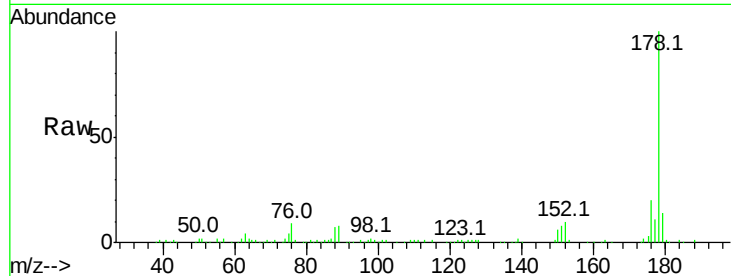
#70
Phenanthrene
Concen: 10.007 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	14.4	12.6	19.0

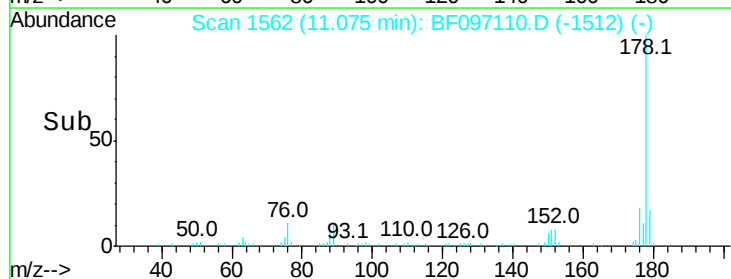
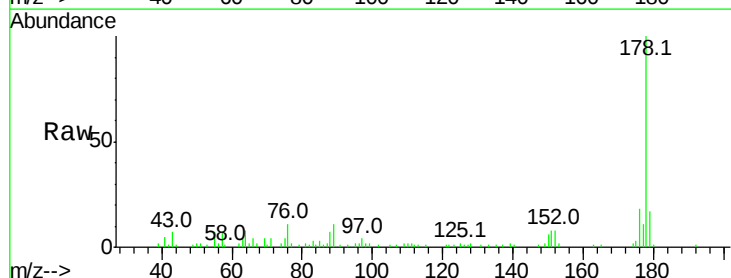
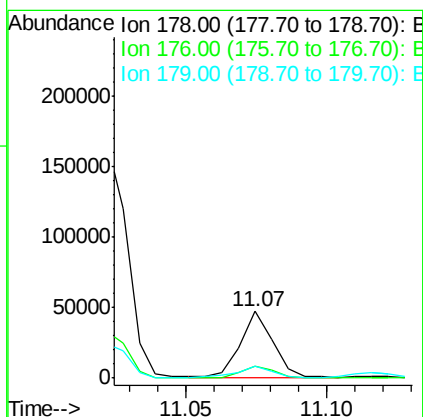
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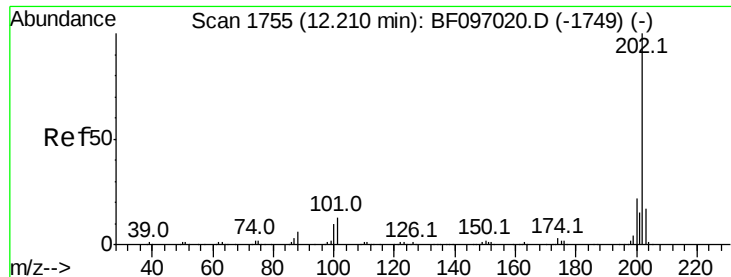
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#71
Anthracene
Concen: 2.487 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	17.0	12.7	19.1





#74

Fluoranthene

Concen: 13.638 ng

RT: 12.21 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Instrument :

BNA_F

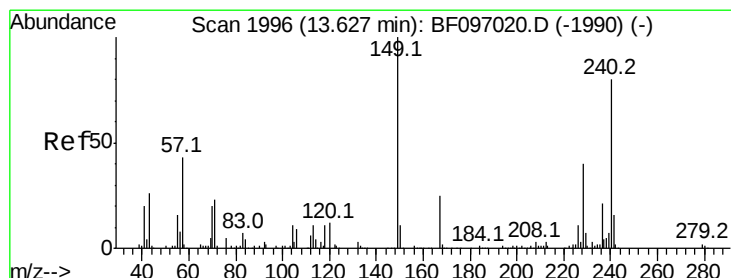
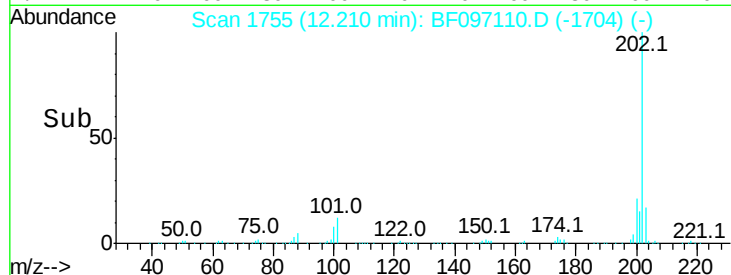
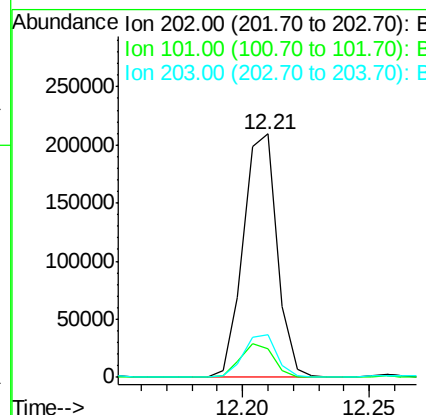
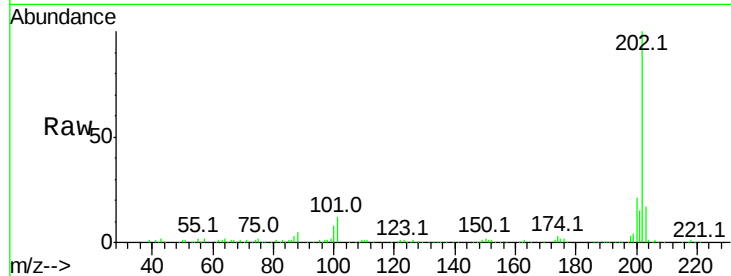
ClientSampled :

E2-M6-SSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	195669		
101	11.7	0.0	33.2	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

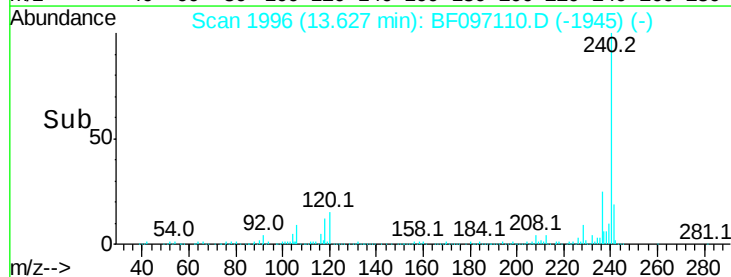
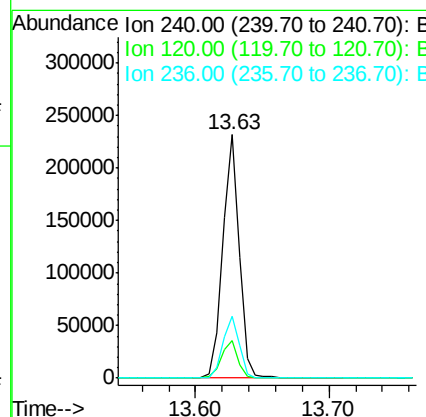
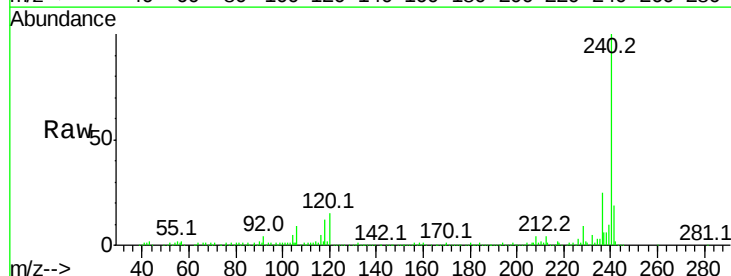
RT: 13.63 min Scan# 1996

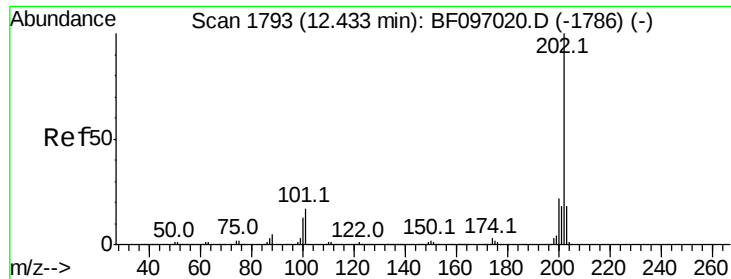
Delta R.T. -0.00 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	202845		
120	15.3	5.8	8.8#	
236	25.4	20.5	30.7	





#77

Pvrene

Concen: 13.202 ng

RT: 12.43 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Instrument :

BNA_F

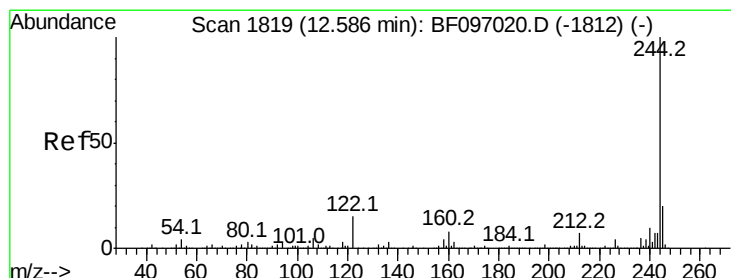
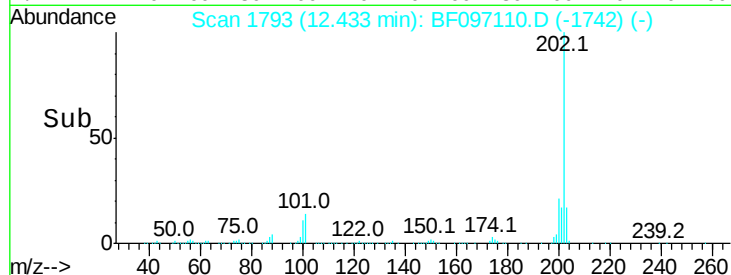
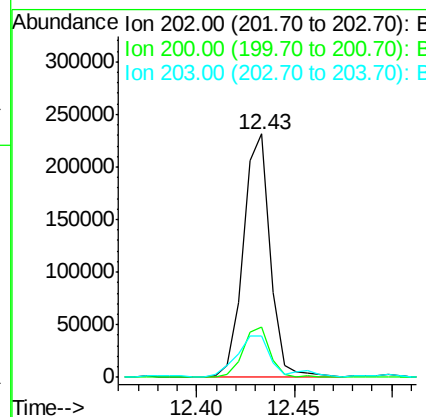
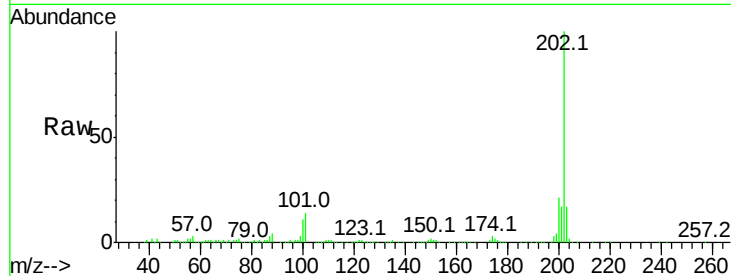
ClientSampleId :

E2-M6-SSW

Tot Ion:	202	Resp:	219236
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	17.0	14.4	21.6

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#78

Terphenyl-d14

Concen: 8.927 ng

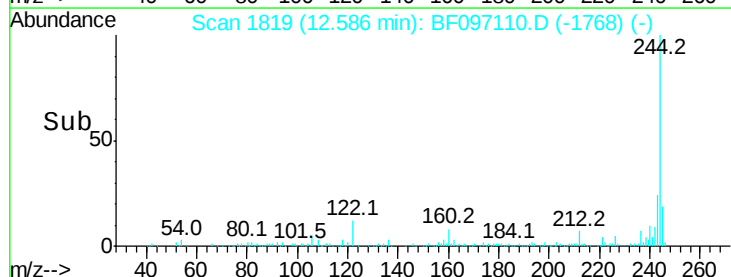
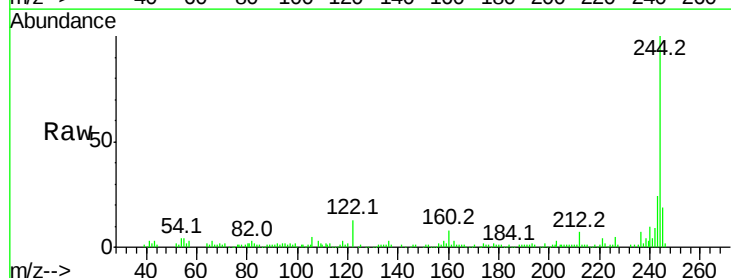
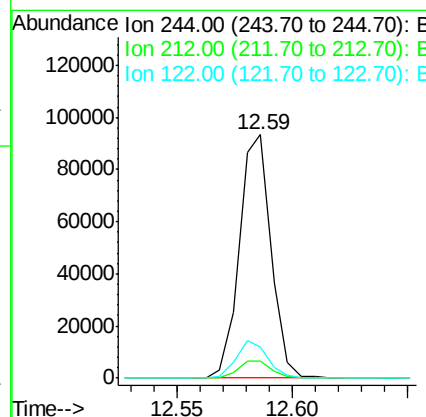
RT: 12.59 min Scan# 1819

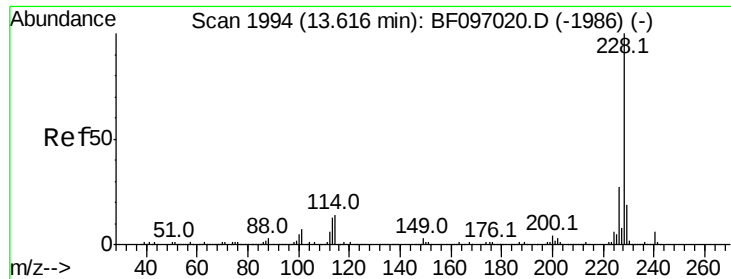
Delta R.T. -0.00 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Tgt Ion:	244	Resp:	88810
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	12.8	10.3	15.5





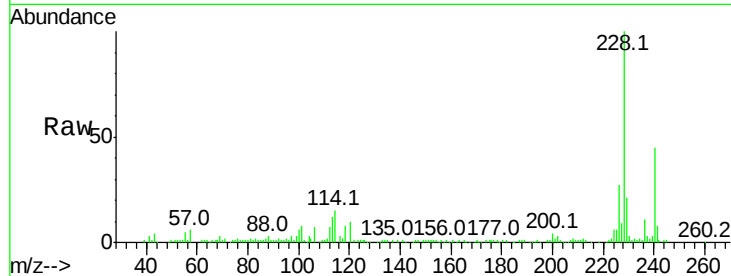
#80
Benzo(a)anthracene
Concen: 7.093 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

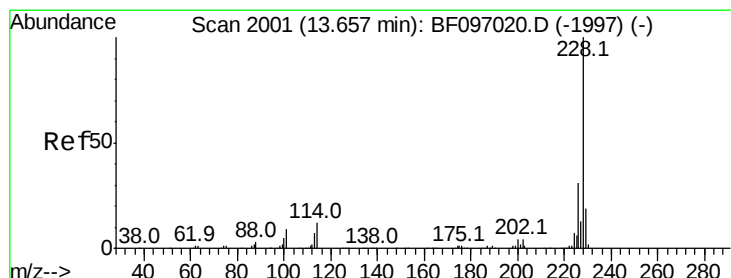
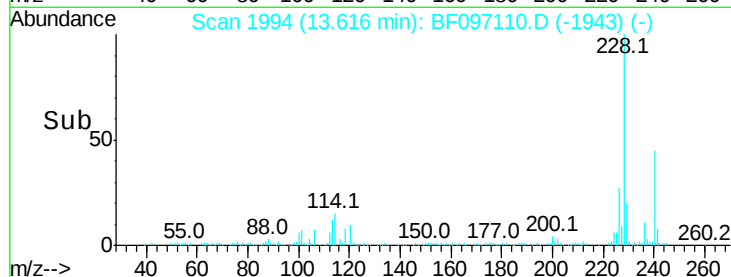
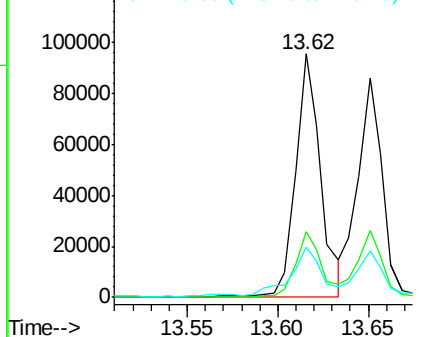
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.8	16.3	24.5

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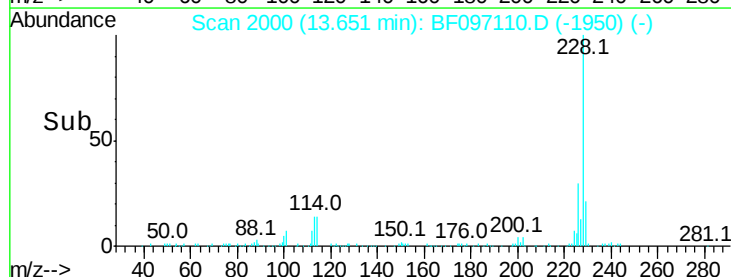
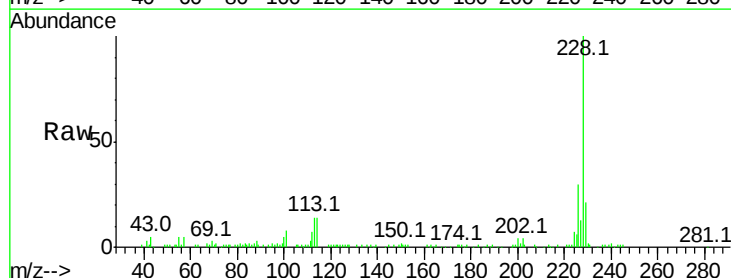
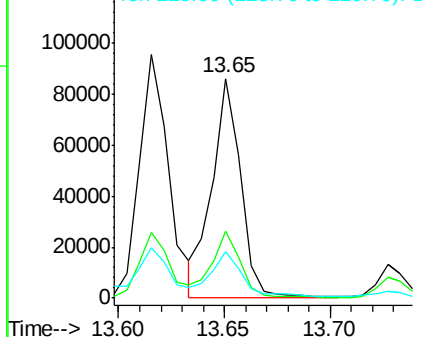
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

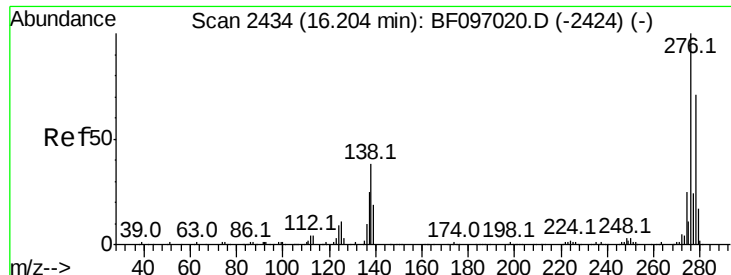


#82
Chrysene
Concen: 6.371 ng
RT: 13.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.1	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.885 ng

RT: 16.20 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BF097110.D

Acq: 27 Jul 2017 7:39

Instrument :

BNA_F

ClientSampleId :

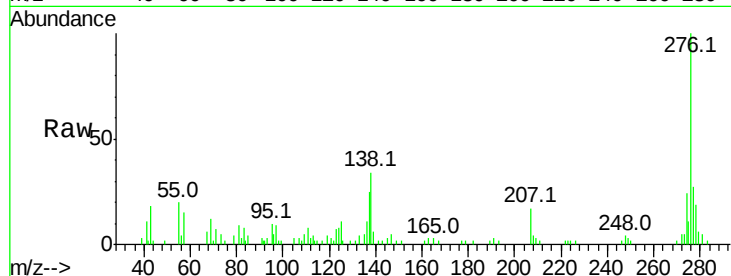
E2-M6-SSW

Tot Ion:	276	Resp:	31707
Ion Ratio	Lower	Upper	
276	100		
138	35.2	27.8	41.6
277	24.5	20.2	30.4

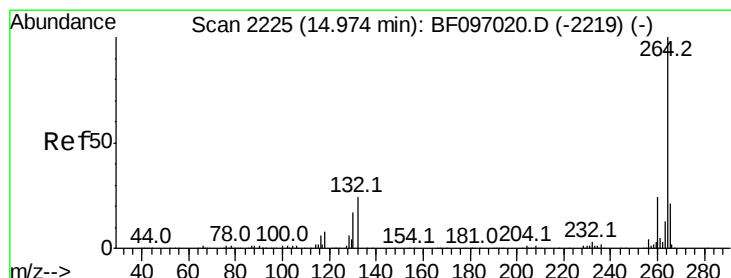
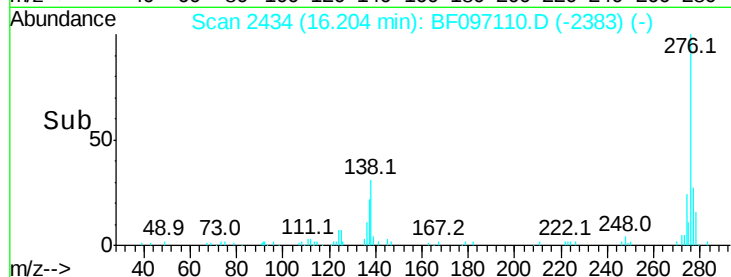
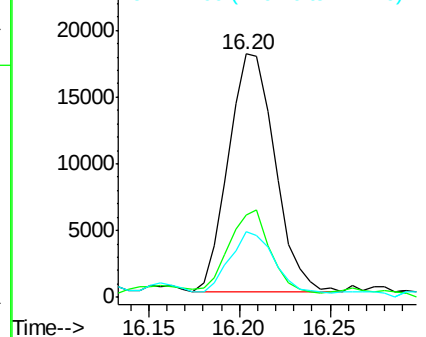
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

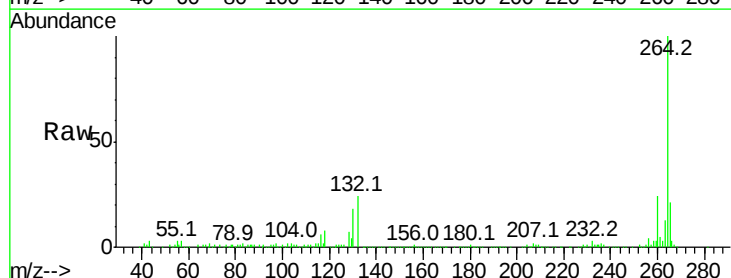
RT: 14.98 min Scan# 2226

Delta R.T. 0.01 min

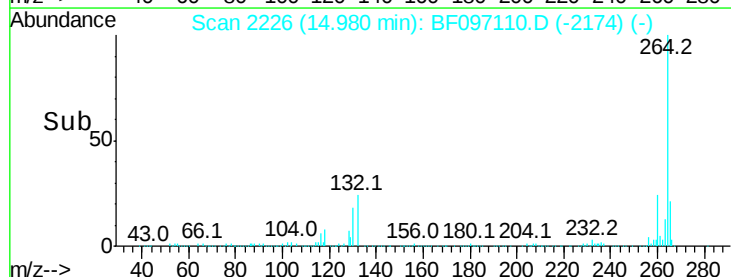
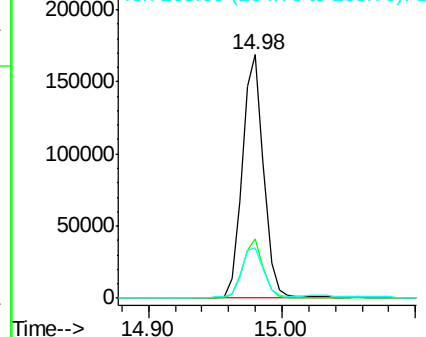
Lab File: BF097110.D

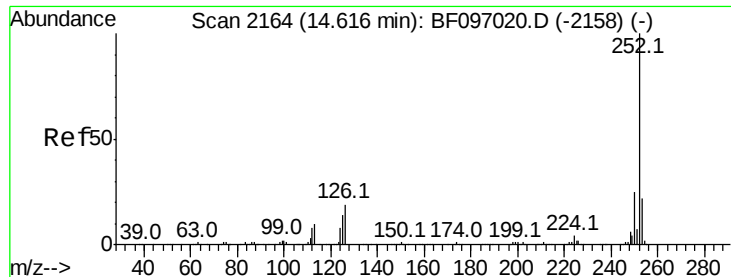
Acq: 27 Jul 2017 7:39

Tgt Ion:	264	Resp:	187497
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	20.6	17.2	25.8



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





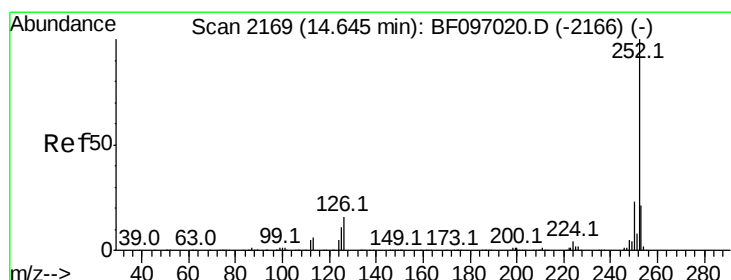
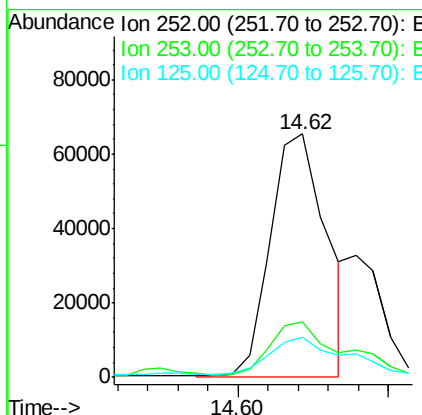
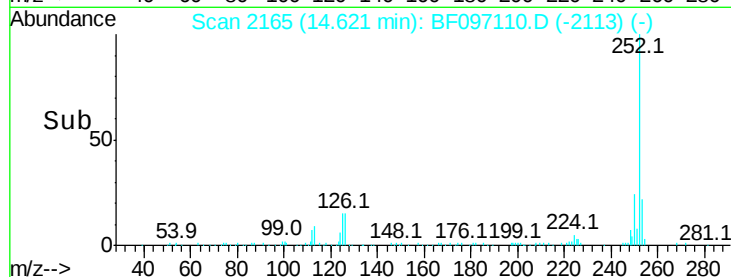
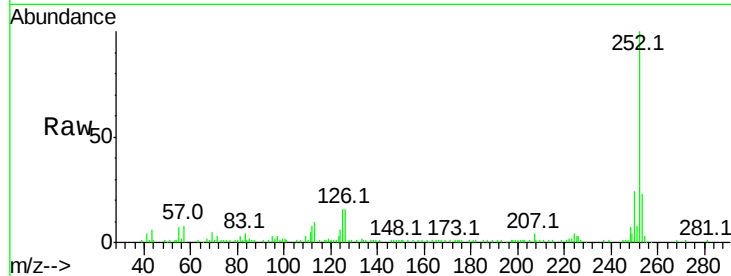
#87
Benzo(b)fluoranthene
Concen: 7.517 ng m
RT: 14.62 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampled :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.4	9.8	14.8

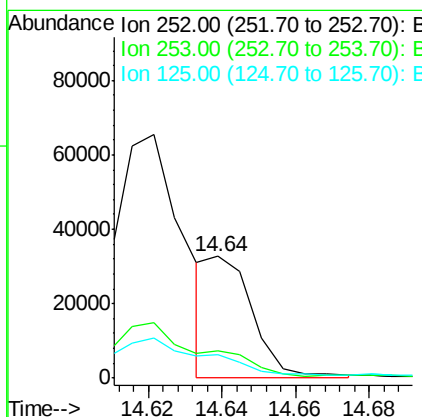
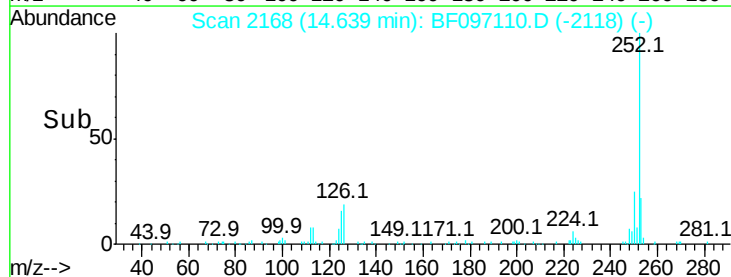
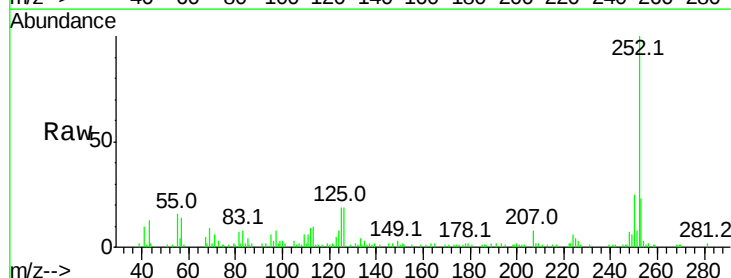
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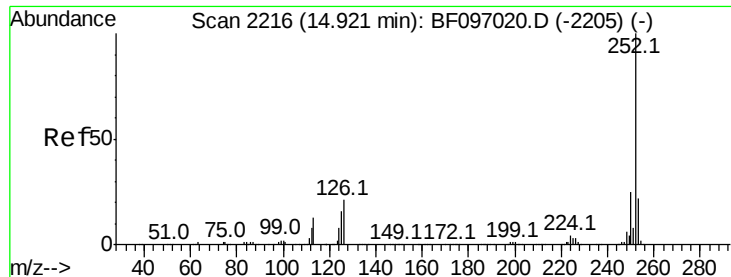
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#88
Benzo(k)fluoranthene
Concen: 2.570 ng m
RT: 14.64 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	18.8	13.1	19.7





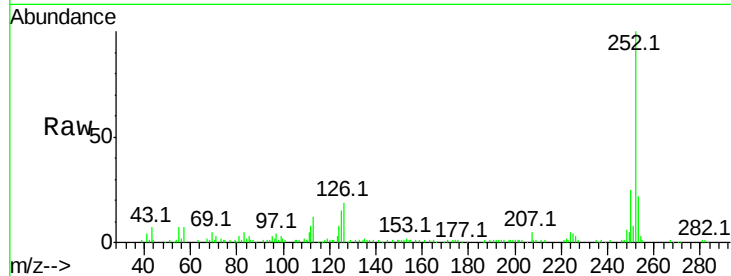
#89
Benzo(a)pyrene
Concen: 8.006 ng
RT: 14.93 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

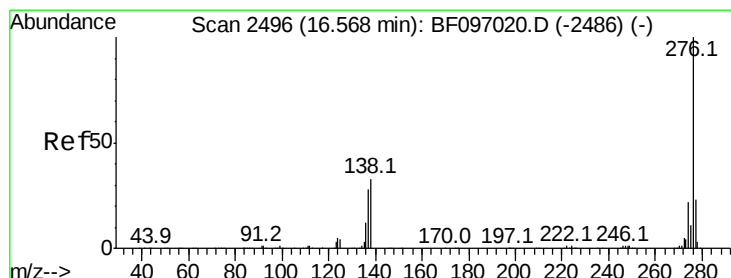
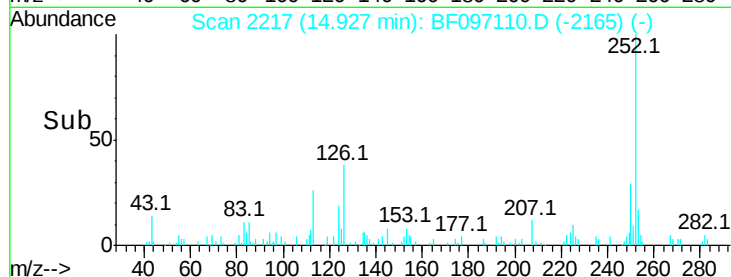
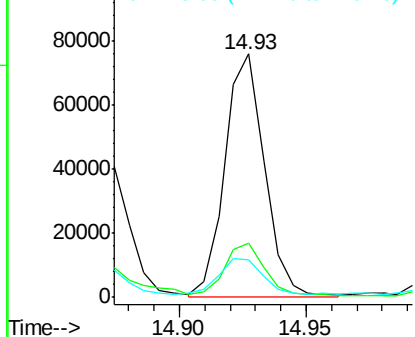
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	15.2	11.0	16.4

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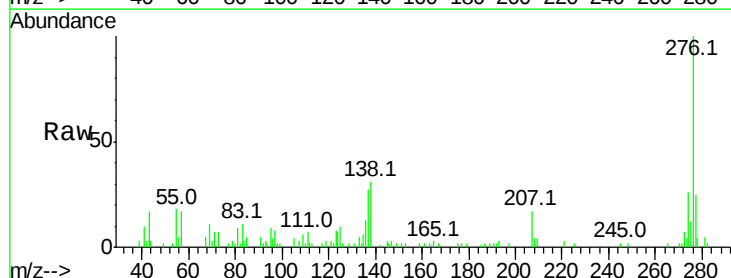


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.430 ng
RT: 16.57 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BF097110.D
Acq: 27 Jul 2017 7:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	31.2	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

