

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097071.D
 Acq On : 26 Jul 2017 13:18
 Operator : SJ/JU
 Sample : I4443-02 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M6-SSW

Manual Integrations
 APPROVED

Sohil
 7/27/2017 12:31:26 PM

Quant Time: Jul 26 14:06:13 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	111350	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	453839	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	216693	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	375060	20.00	ng	0.00
75) Chrysene-d12	13.63	240	275619	20.00	ng	0.00
86) Perylene-d12	14.97	264	200415	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	185486	25.11	ng	0.00
7) Phenol-d6	6.15	99	243387	28.86	ng	-0.02
23) Nitrobenzene-d5	7.06	82	134494	17.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	49339	28.82	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	193919	15.19	ng	-0.01
78) Terphenyl-d14	12.59	244	147709	10.93	ng	0.00
Target Compounds						
59) Diethylphthalate	9.95	149	40916	2.710	ng	98
70) Phenanthrene	11.02	178	210407	10.470	ng	97
71) Anthracene	11.07	178	53033	2.577	ng	96
74) Fluoranthene	12.20	202	332886	16.909	ng	98
77) Pyrene	12.43	202	348876	15.462	ng	98
80) Benzo(a)anthracene	13.62	228	128777	7.221	ng	98
82) Chrysene	13.65	228	105292	6.046	ng	97
85) Indeno(1,2,3-cd)pyrene	16.20	276	49586	3.321	ng	96
87) Benzo(b)fluoranthene	14.62	252	100635m	8.353	ng	
88) Benzo(k)fluoranthene	14.63	252	39369m	3.429	ng	
89) Benzo(a)pyrene	14.92	252	92428	8.383	ng	98
91) Benzo(a,h,i)perylene	16.56	276	57889	6.105	ng	96

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

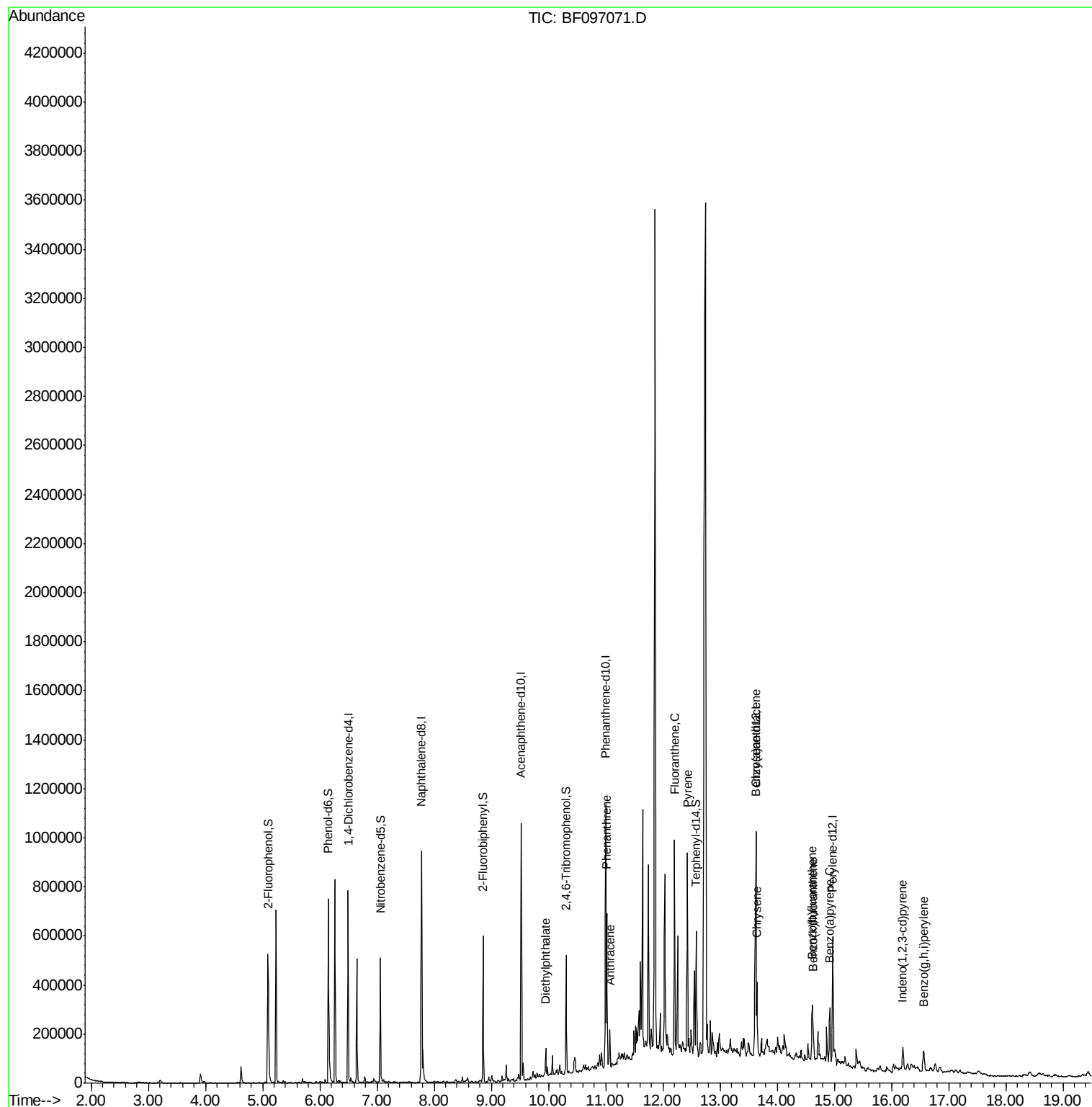
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
Data File : BF097071.D
Acq On : 26 Jul 2017 13:18
Operator : SJ/JU
Sample : I4443-02 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

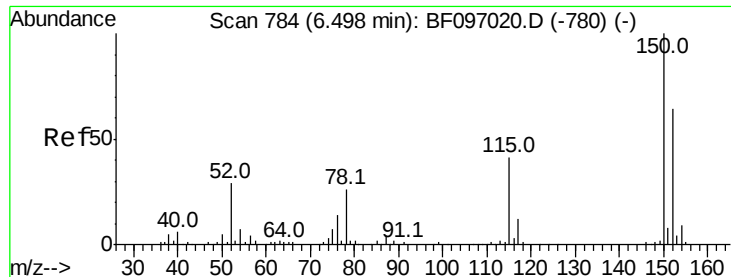
Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

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Quant Time: Jul 26 14:06:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

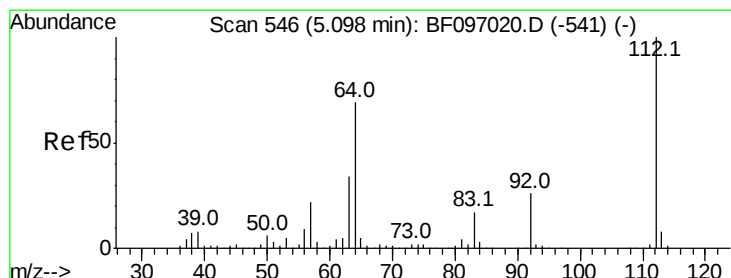
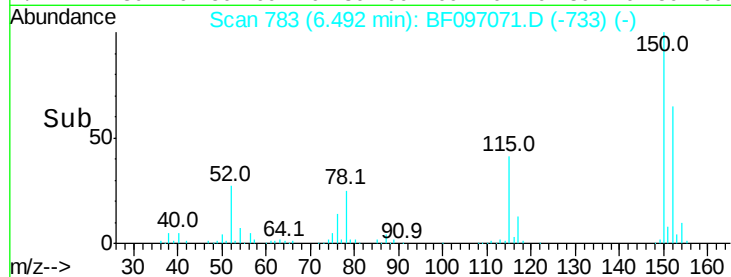
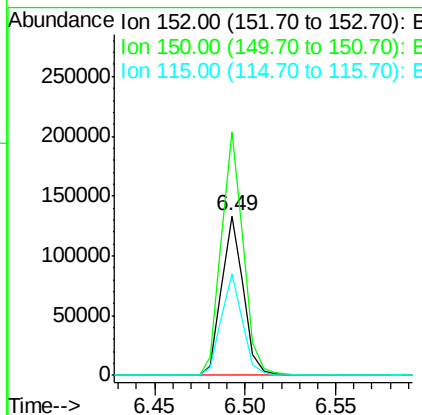
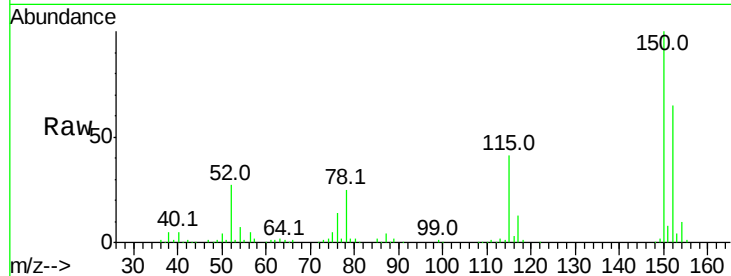
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampled :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	126.2	189.2
115	63.4	52.2	78.2

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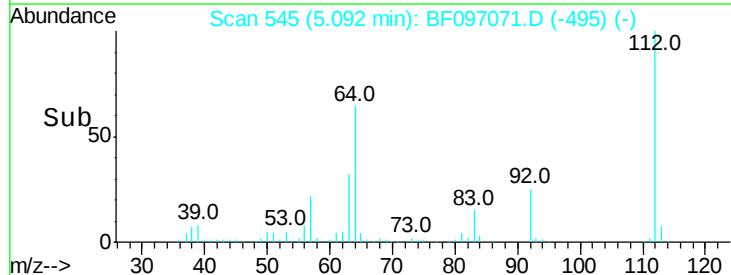
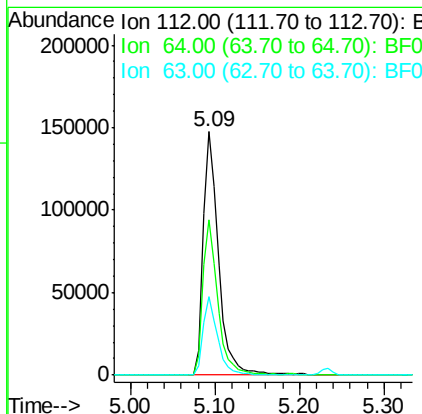
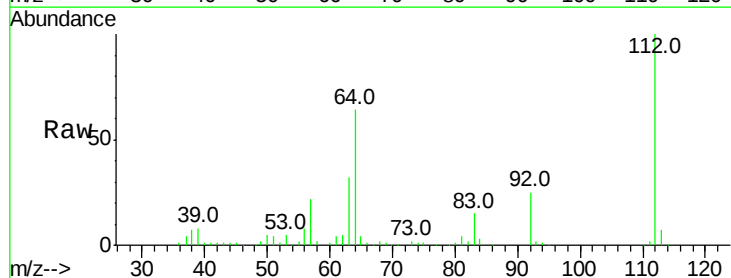
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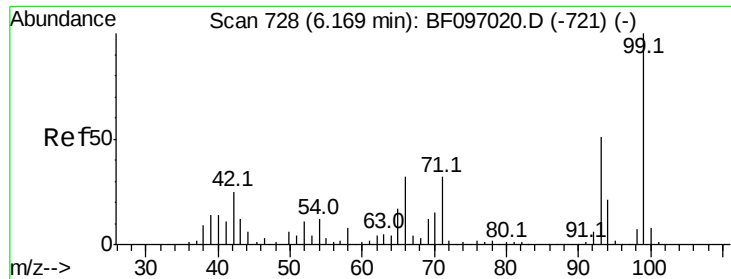


#5

2-Fluorophenol
Concen: 25.112 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	32.2	23.4	35.0





#7

Phenol-d6

Concen: 28.863 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Instrument :

BNA_F

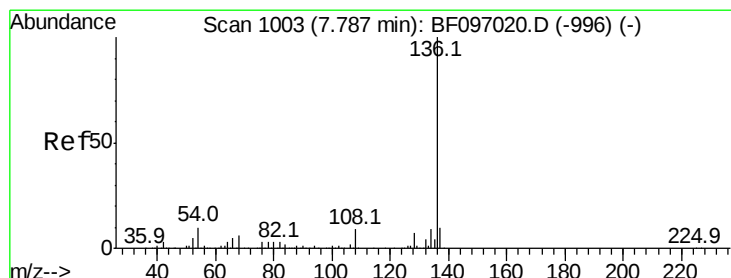
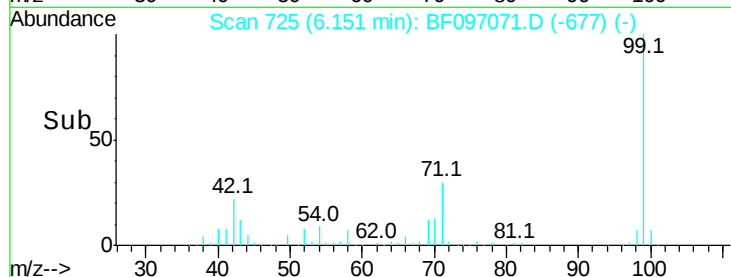
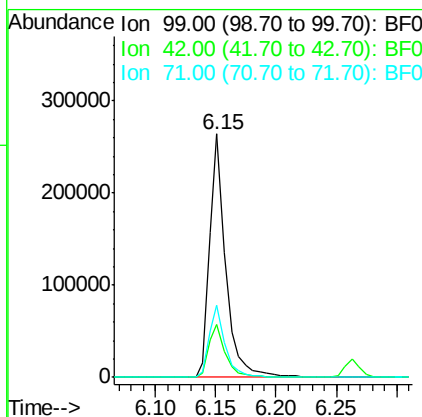
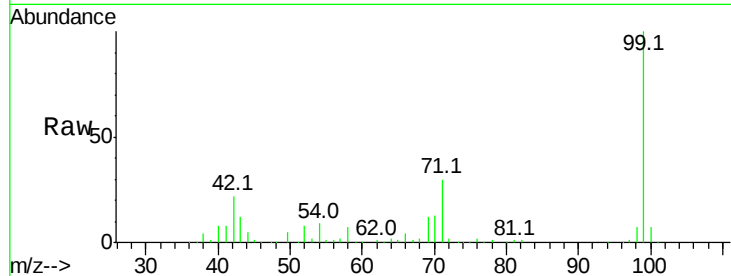
ClientSampleId :

E2-M6-SSW

Tot Ion:	99	Resp:	243387
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

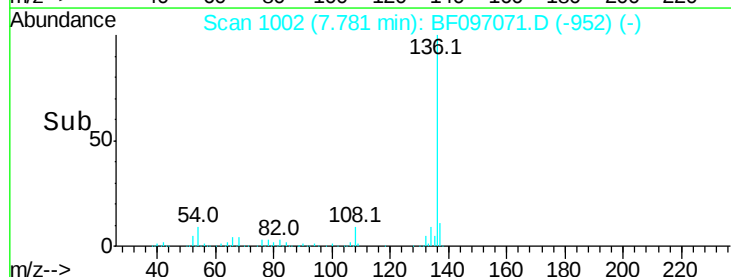
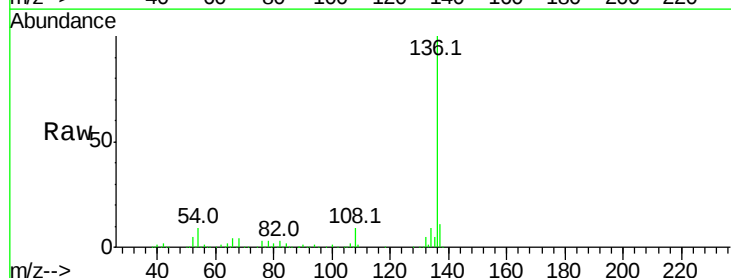
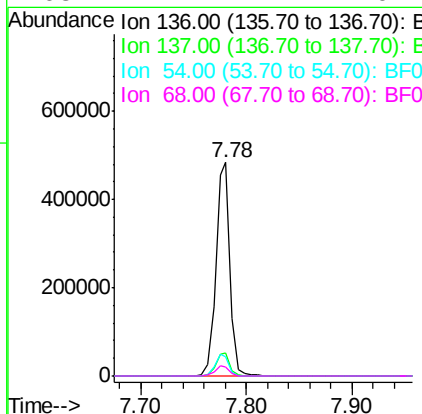
RT: 7.78 min Scan# 1002

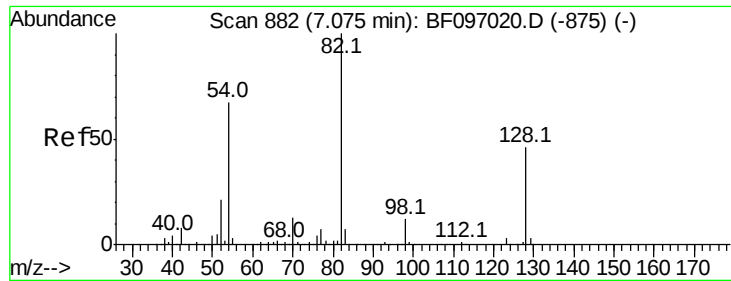
Delta R.T. -0.01 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Tgt Ion:	136	Resp:	453839
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	9.1	4.9	7.3#
68	4.4	4.1	6.1





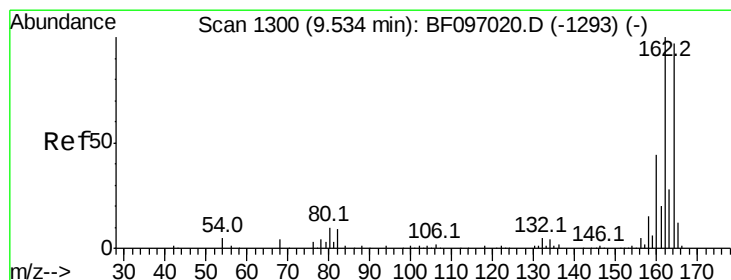
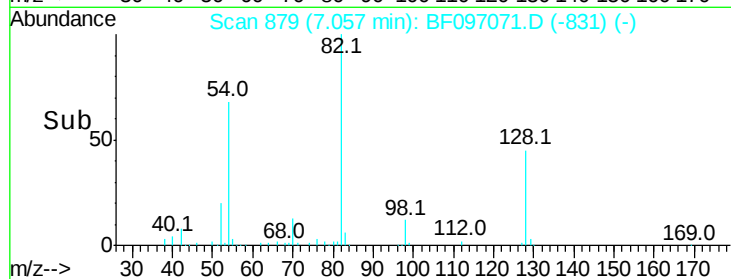
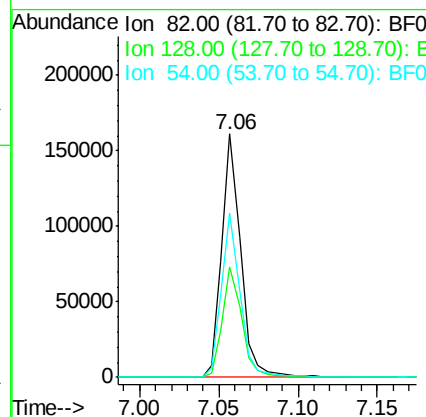
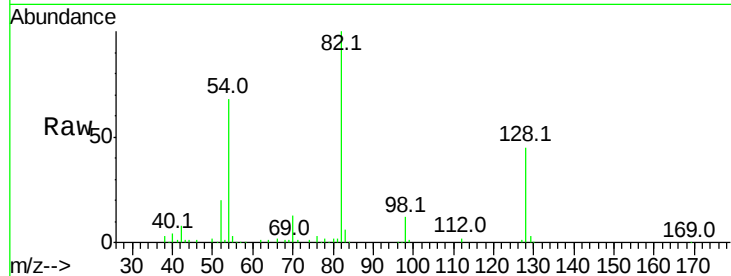
#23
 Nitrobenzene-d5
 Concen: 17.385 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097071.D
 Acq: 26 Jul 2017 13:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	67.6	42.2	63.2

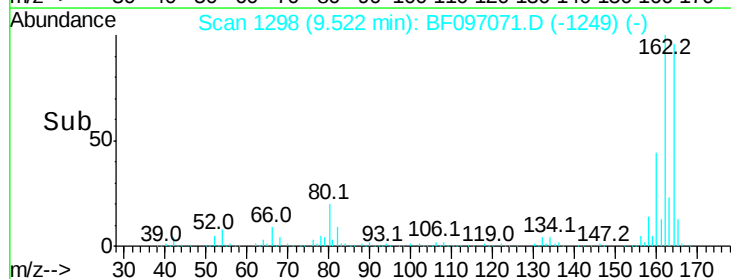
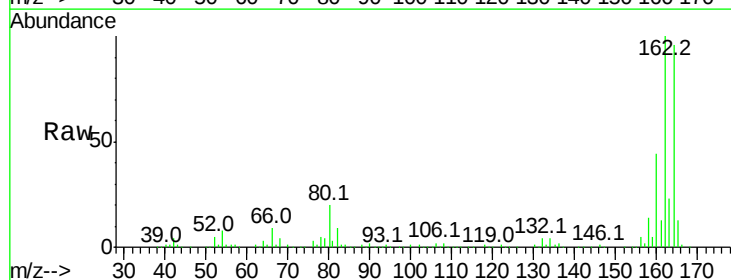
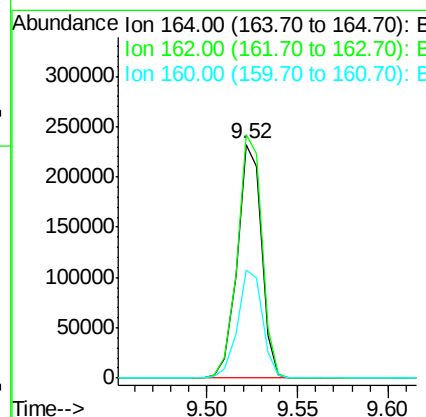
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF097071.D
 Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	46.3	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 28.818 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Instrument :

BNA_F

ClientSampleId :

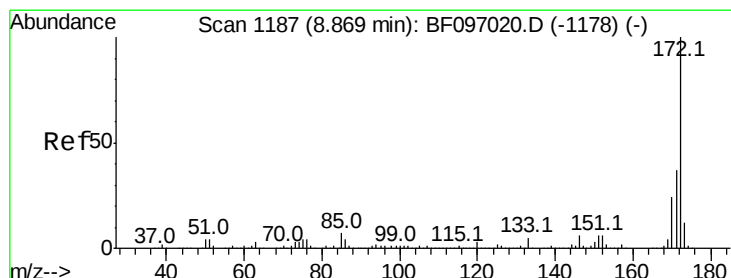
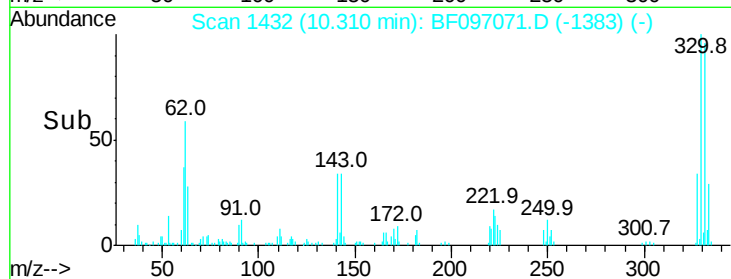
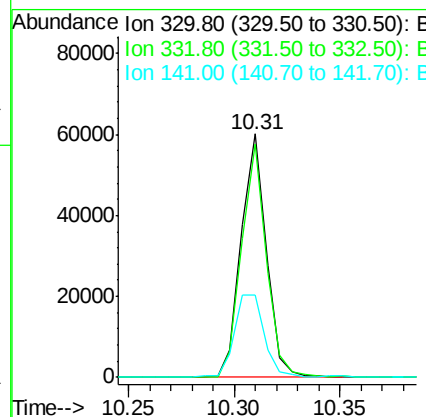
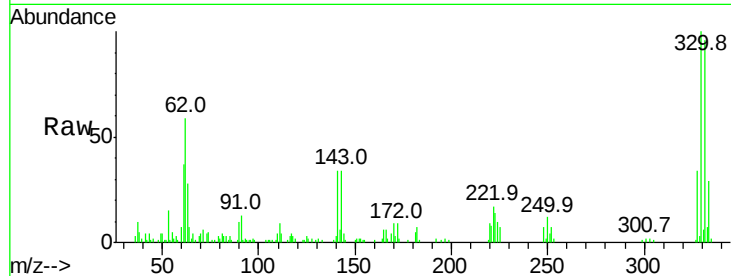
E2-M6-SSW

Tot Ion:	330	Resp:	49339
Ion Ratio	Lower	Upper	
330	100		
332	94.7	76.6	115.0
141	40.2	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 15.187 ng

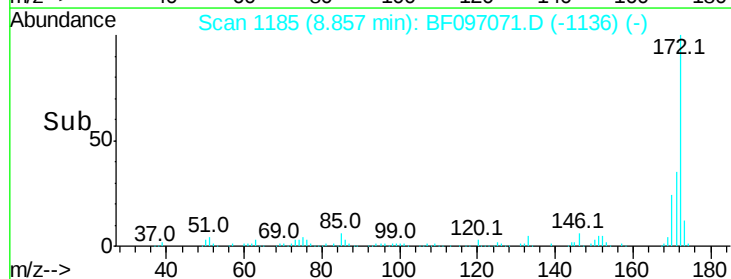
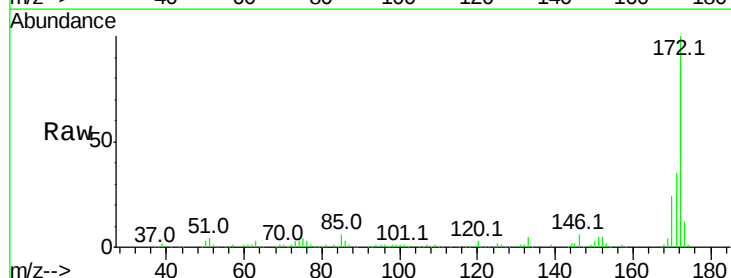
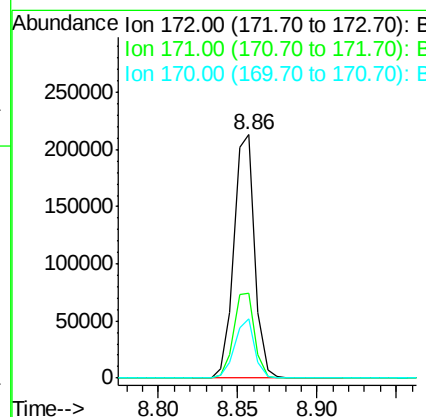
RT: 8.86 min Scan# 1185

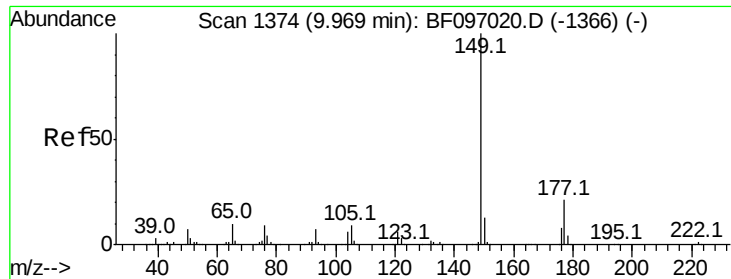
Delta R.T. -0.01 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Tgt Ion:	172	Resp:	193919
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.6	44.4
170	24.4	19.8	29.8





#59

Diethylphthalate

Concen: 2.710 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.02 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Instrument :

BNA_F

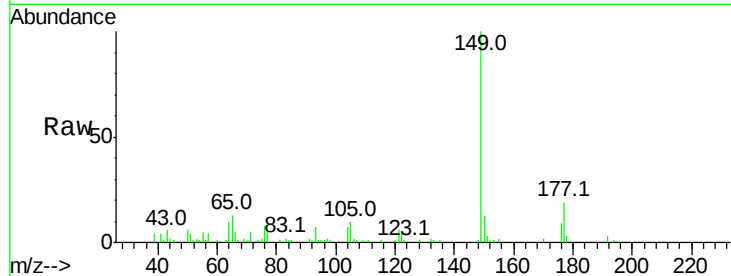
ClientSampleId :

E2-M6-SSW

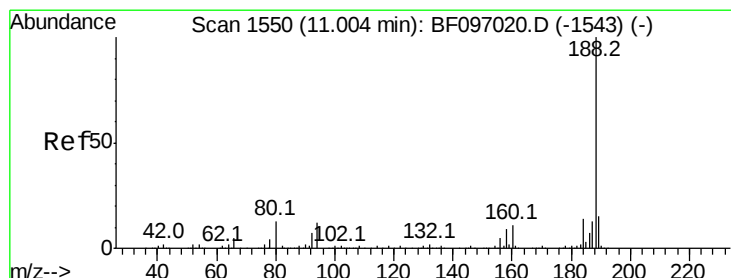
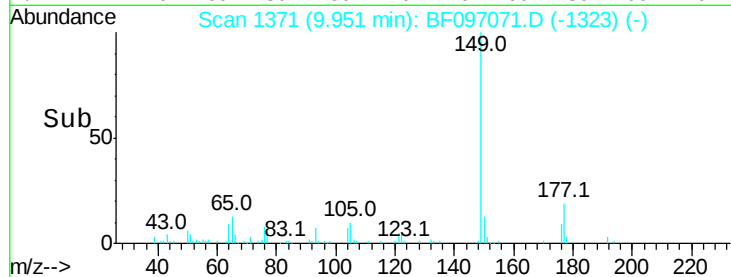
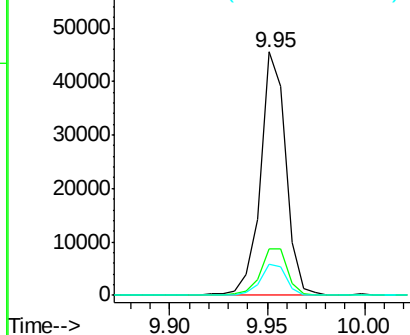
Tot Ion:	149	Resp:	40916
Ion Ratio	Lower	Upper	
149	100		
177	19.1	16.7	25.1
150	12.7	10.2	15.2

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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

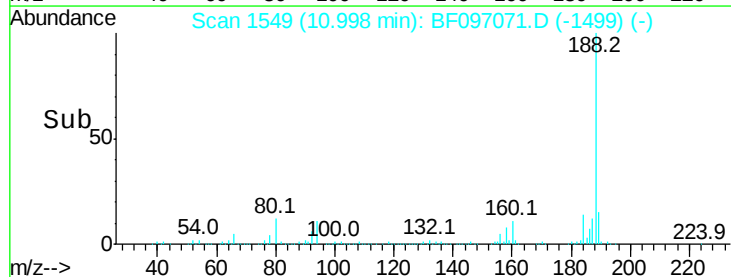
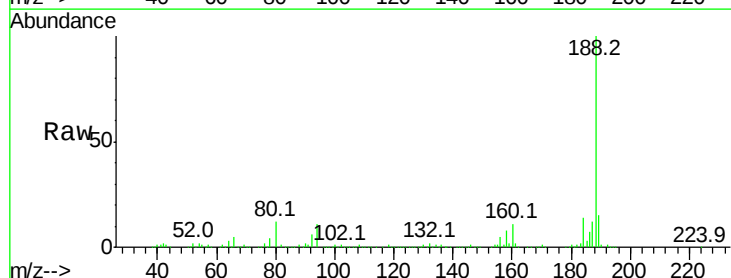
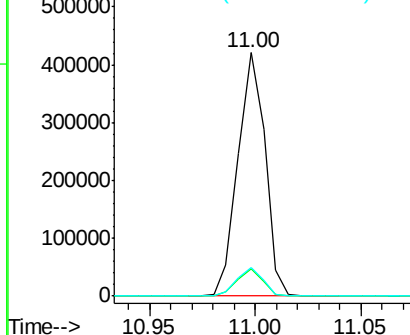
Delta R.T. -0.01 min

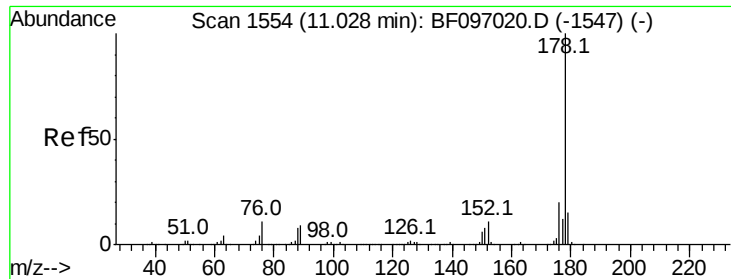
Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Tgt Ion:	188	Resp:	375060
Ion Ratio	Lower	Upper	
188	100		
94	11.4	9.4	14.2
80	11.8	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: 10.470 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Instrument :

BNA_F

ClientSampleId :

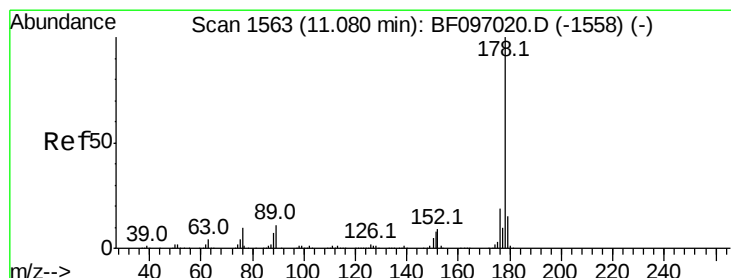
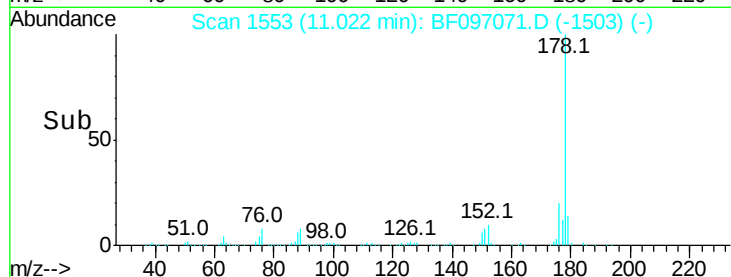
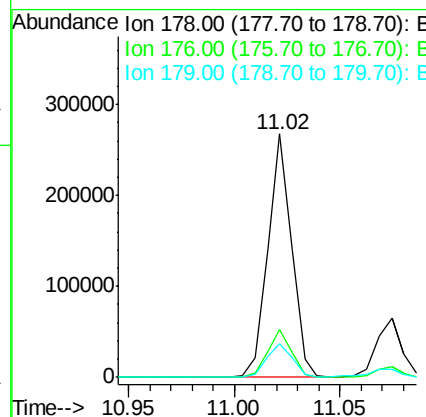
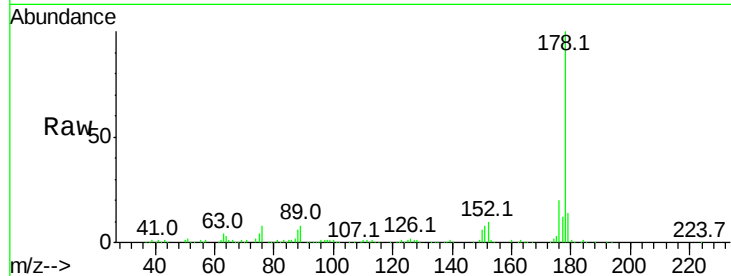
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	13.9	12.6	19.0

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#71

Anthracene

Concen: 2.577 ng

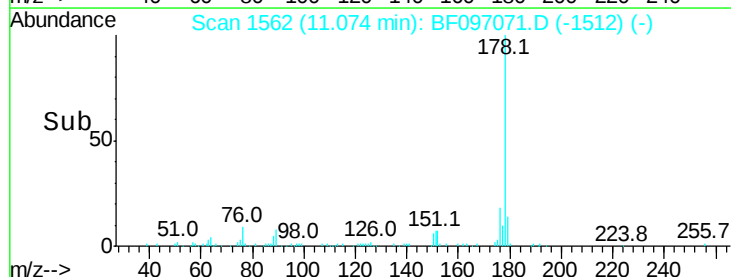
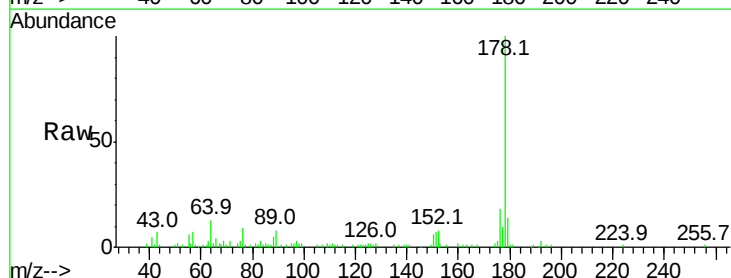
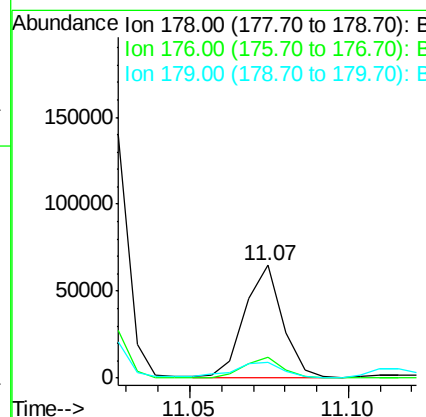
RT: 11.07 min Scan# 1562

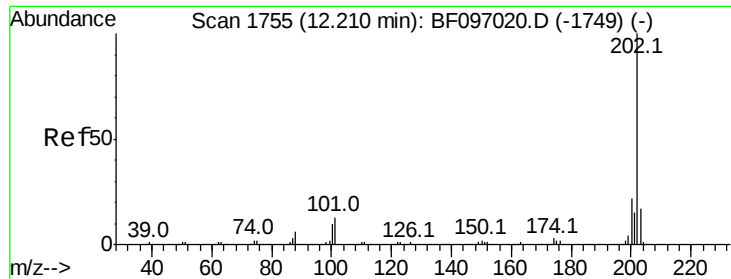
Delta R.T. -0.01 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.3	12.7	19.1





#74

Fluoranthene

Concen: 16.909 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Instrument :

BNA_F

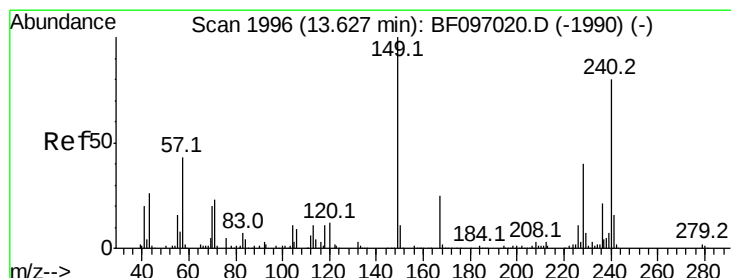
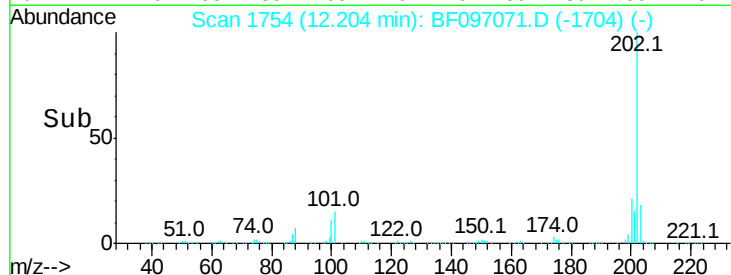
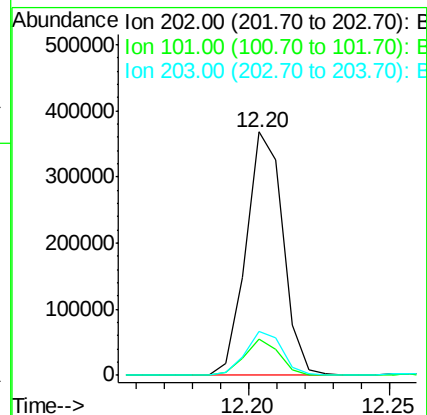
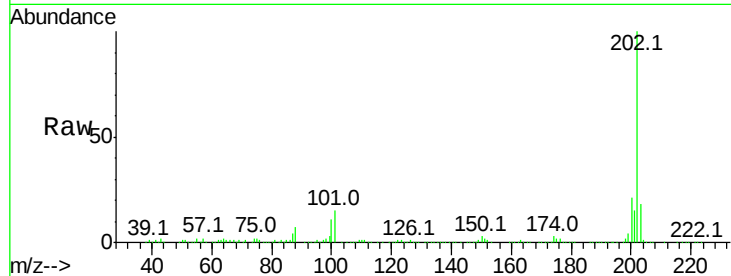
ClientSampleId :

E2-M6-SSW

Tot Ion:	202	Resp:	332886
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	33.2
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

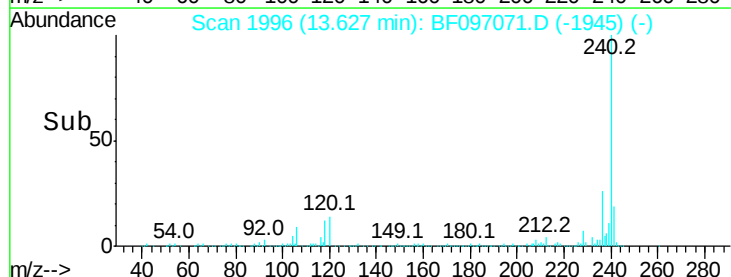
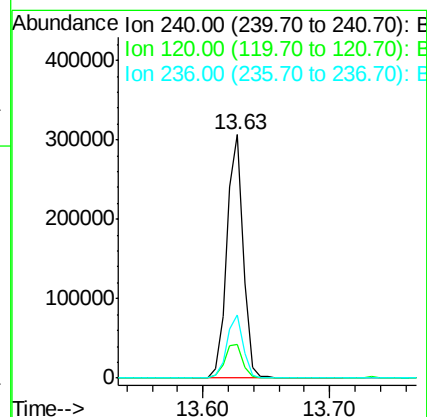
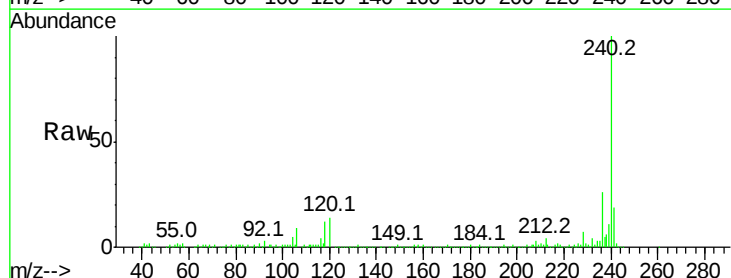
RT: 13.63 min Scan# 1996

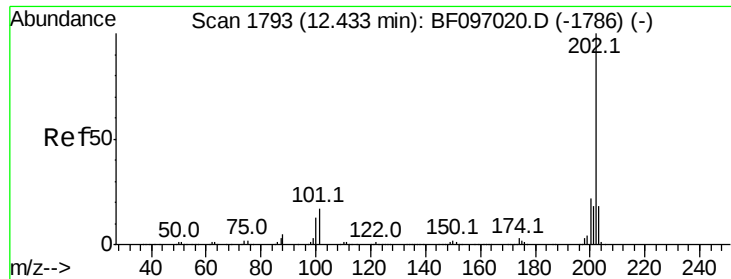
Delta R.T. -0.00 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Tgt Ion:	240	Resp:	275619
Ion Ratio	Lower	Upper	
240	100		
120	13.8	5.8	8.8#
236	25.9	20.5	30.7





#77

Pvrene

Concen: 15.462 ng

RT: 12.43 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Instrument :

BNA_F

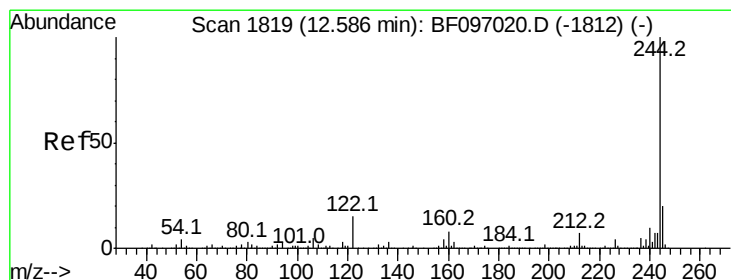
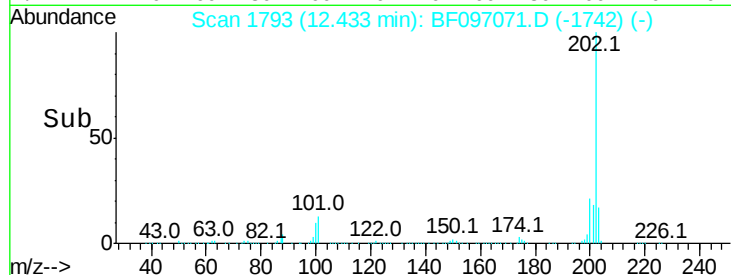
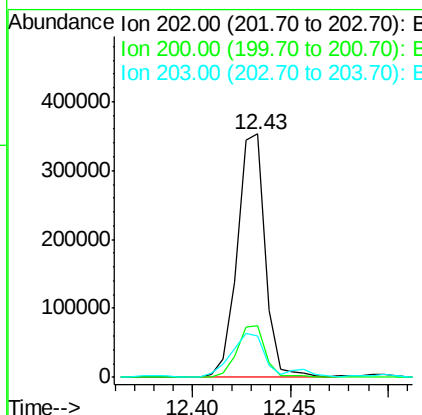
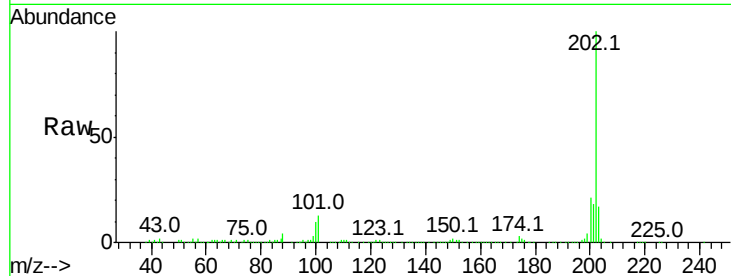
ClientSampleId :

E2-M6-SSW

Tot Ion:	202	Resp:	348876
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	16.9	14.4	21.6

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7/27/2017 12:31:26 PM



#78

Terphenyl-d14

Concen: 10.927 ng

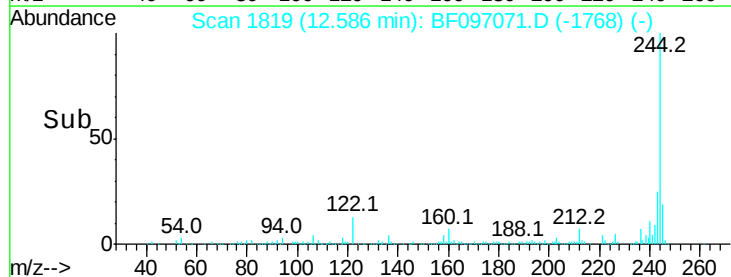
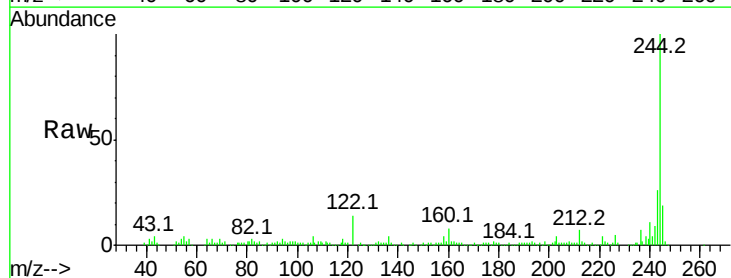
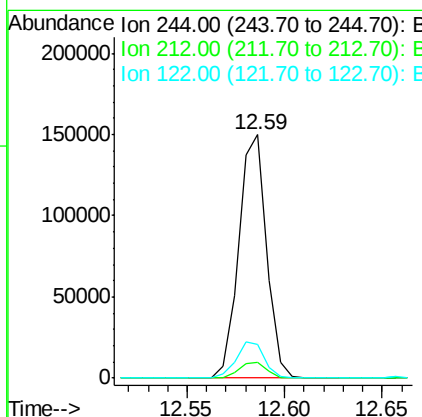
RT: 12.59 min Scan# 1819

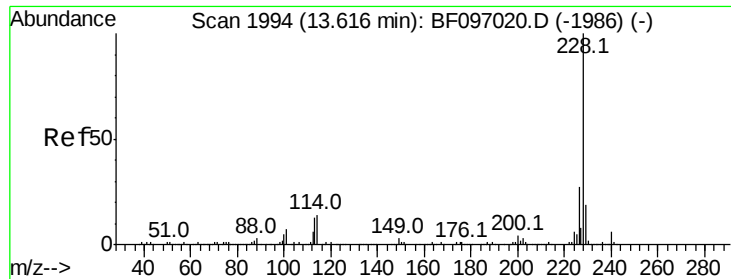
Delta R.T. -0.00 min

Lab File: BF097071.D

Acq: 26 Jul 2017 13:18

Tgt Ion:	244	Resp:	147709
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	13.7	10.3	15.5





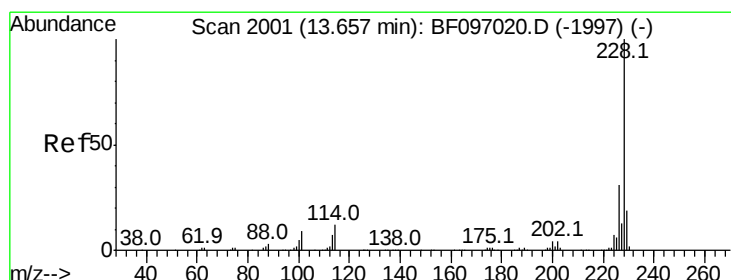
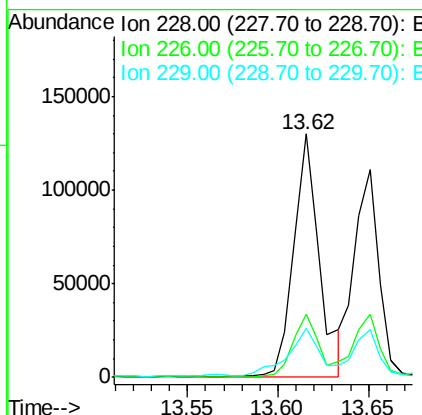
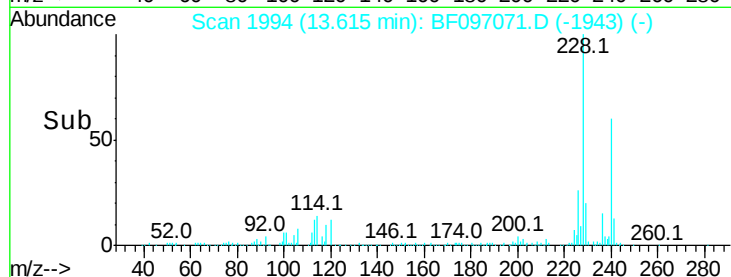
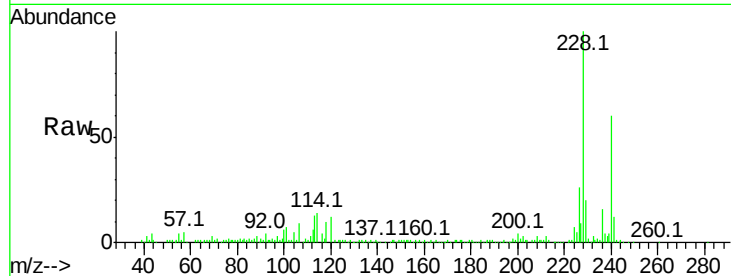
#80
Benzo(a)anthracene
Concen: 7.221 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	20.3	16.3	24.5

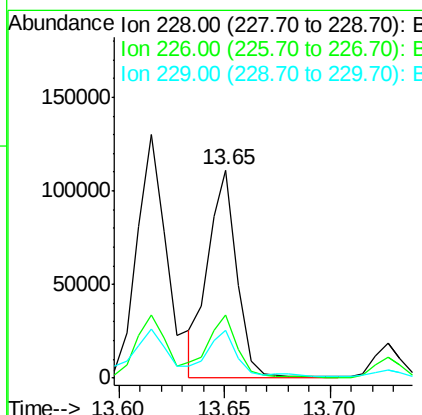
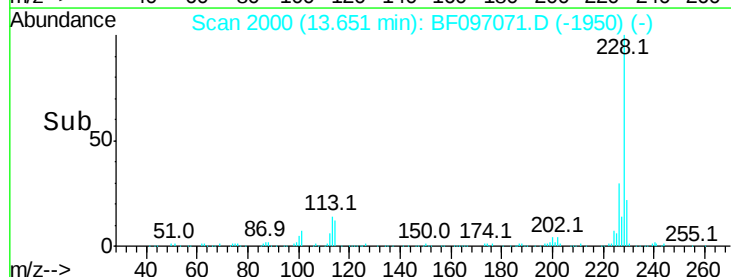
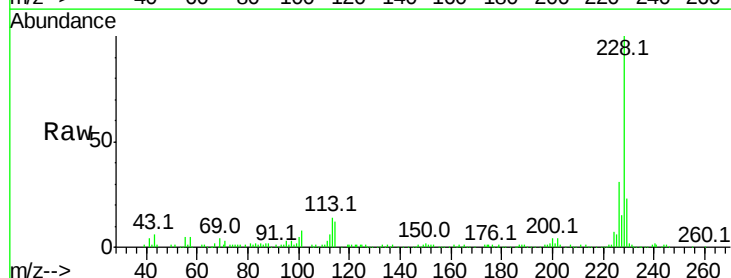
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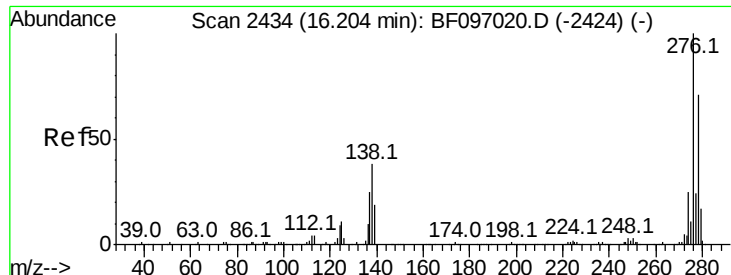
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7/27/2017 12:31:26 PM



#82
Chrysene
Concen: 6.046 ng
RT: 13.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.9	15.8	23.6





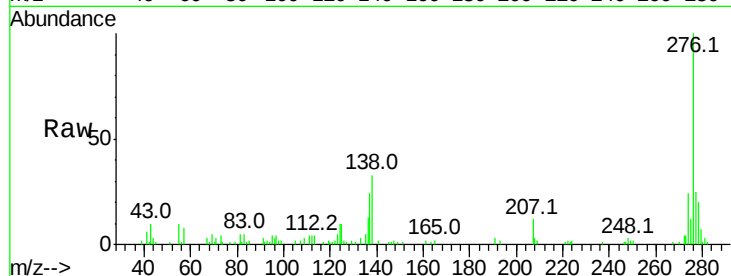
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.321 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

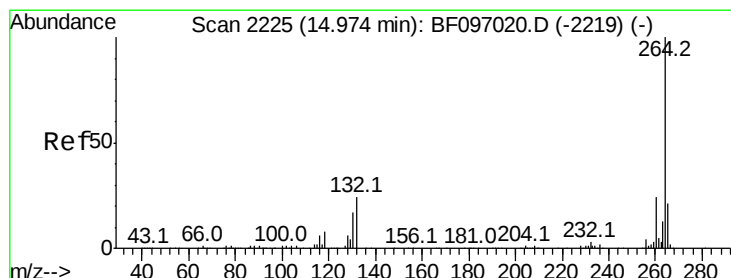
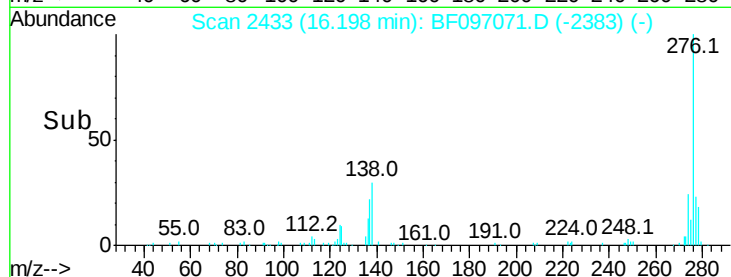
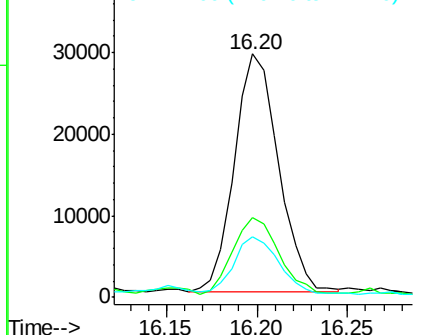
Tot Ion	Ratio	Lower	Upper
276	100		
138	35.5	27.8	41.6
277	28.6	20.2	30.4

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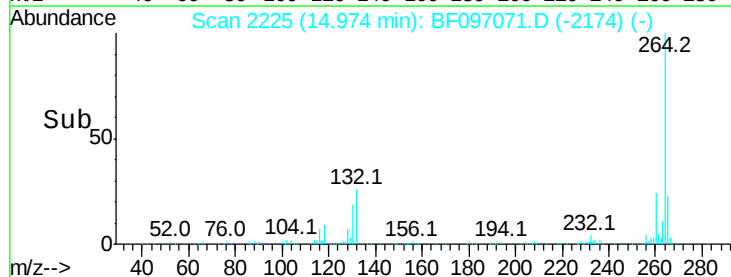
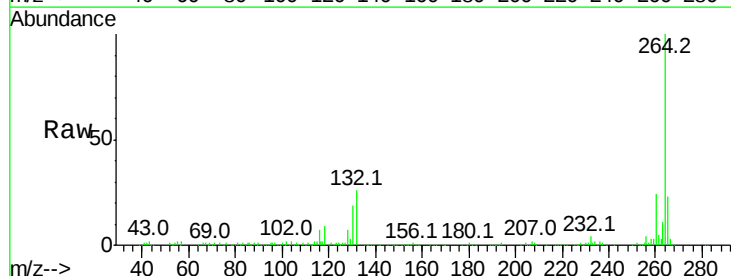
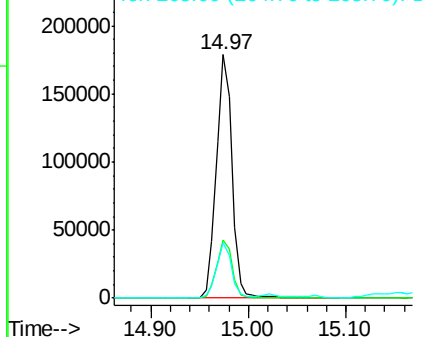
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

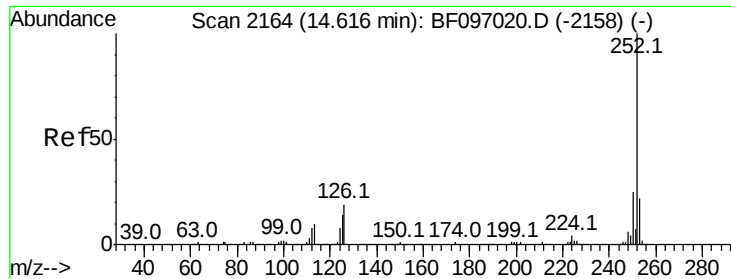


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.6	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





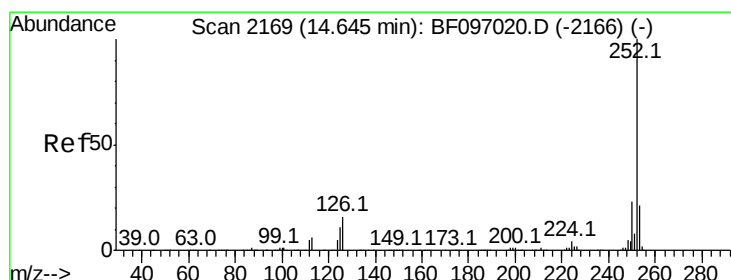
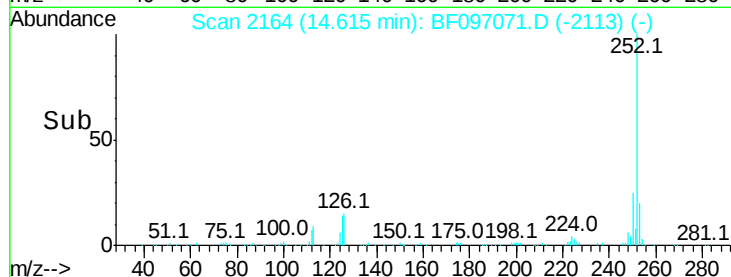
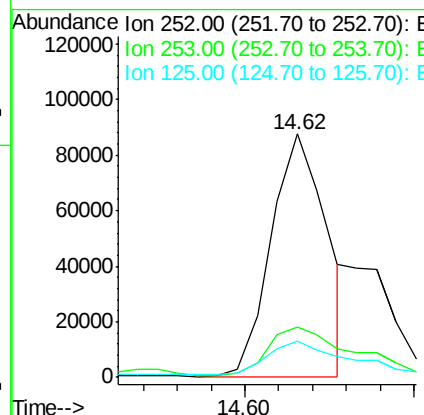
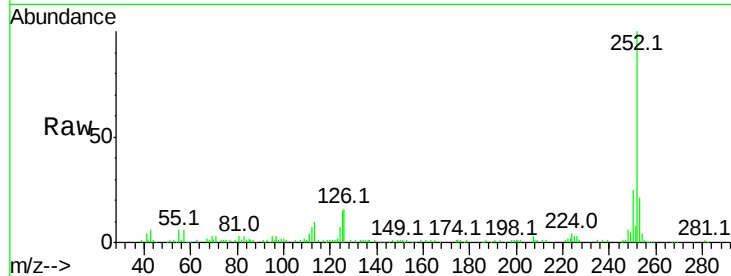
#87
Benzo(b)fluoranthene
Concen: 8.353 ng m
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.1	27.1
125	15.0	9.8	14.8

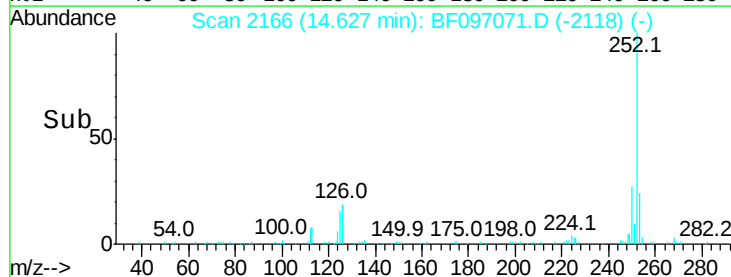
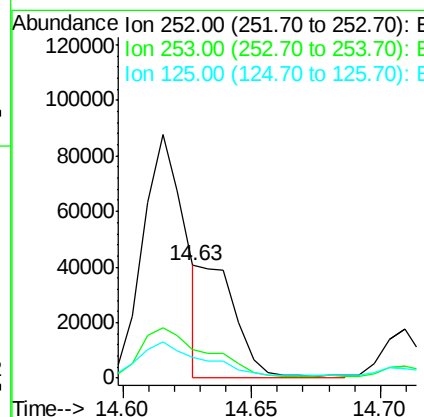
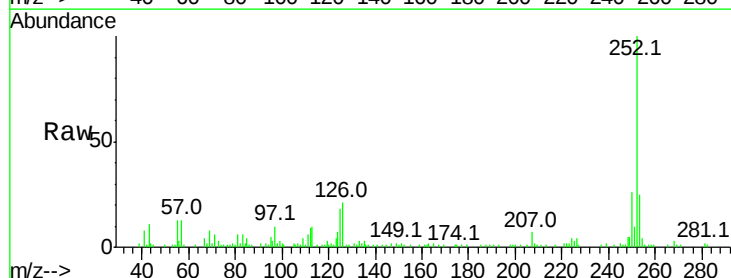
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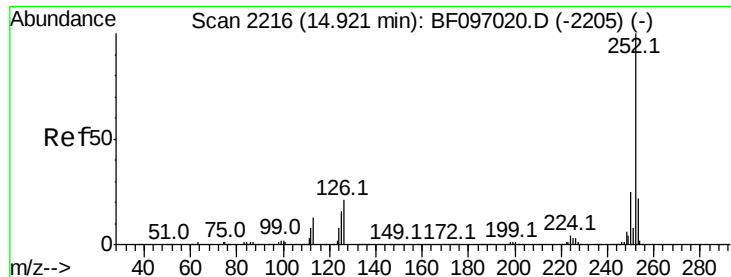
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7/27/2017 12:31:26 PM



#88
Benzo(k)fluoranthene
Concen: 3.429 ng m
RT: 14.63 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.4	27.6
125	18.3	13.1	19.7





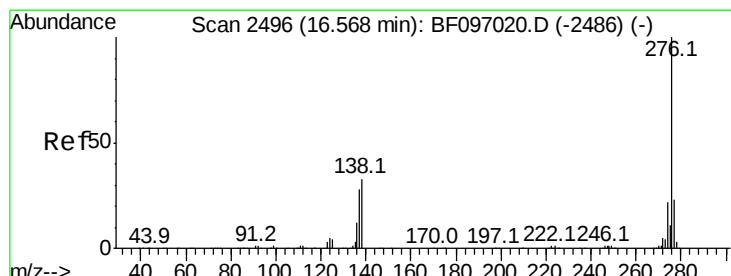
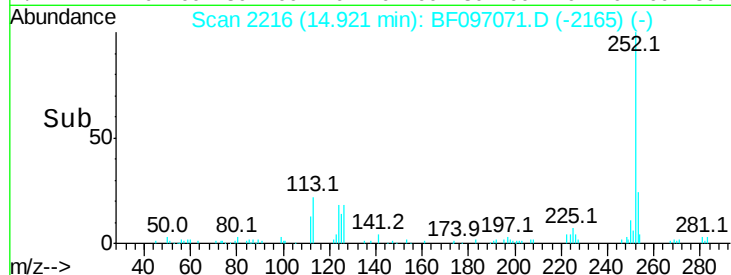
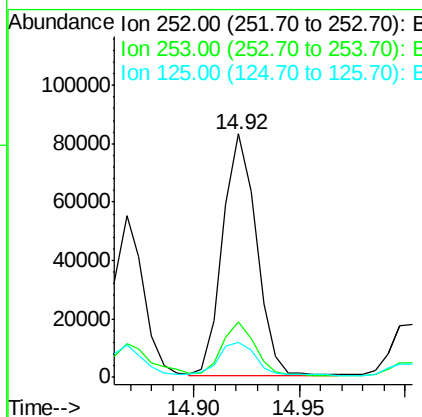
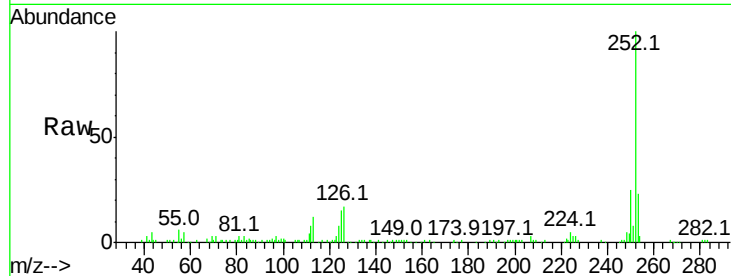
#89
Benzo(a)pyrene
Concen: 8.383 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampled :
E2-M6-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	14.5	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 6.105 ng
RT: 16.56 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.6	28.0
138	34.9	25.4	38.0

