

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097063.D
 Acq On : 26 Jul 2017 7:56
 Operator : SJ/JU
 Sample : I4399-05 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS4-ESW

Manual Integrations
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Sohil
 7/26/2017 5:54:38 PM

Quant Time: Jul 26 08:25:01 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	124196	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	485792	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	200600	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	266803	20.00	ng	0.00
75) Chrysene-d12	13.62	240	231552	20.00	ng	0.00
86) Perylene-d12	14.97	264	162640	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	117535	14.27	ng	0.00
7) Phenol-d6	6.16	99	158764	16.88	ng	-0.01
23) Nitrobenzene-d5	7.06	82	76731	9.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	19294	12.17	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	146973	12.43	ng	-0.01
78) Terphenyl-d14	12.58	244	80791	7.11	ng	0.00
Target Compounds						
70) Phenanthrene	11.02	178	227409	15.908	ng	97
71) Anthracene	11.07	178	62268	4.253	ng	98
74) Fluoranthene	12.20	202	308483	22.027	ng	99
77) Pyrene	12.43	202	257124	13.564	ng	99
80) Benzo(a)anthracene	13.61	228	133488	8.910	ng	98
82) Chrysene	13.65	228	117779	8.051	ng	97
85) Indeno(1,2,3-cd)pyrene	16.20	276	41572	3.314	ng	98
87) Benzo(b)fluoranthene	14.62	252	105929m	10.835	ng	
88) Benzo(k)fluoranthene	14.63	252	40079m	4.302	ng	
89) Benzo(a)pyrene	14.92	252	83504	9.332	ng	97
91) Benzo(g,h,i)perylene	16.56	276	43388m	5.639	ng	

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

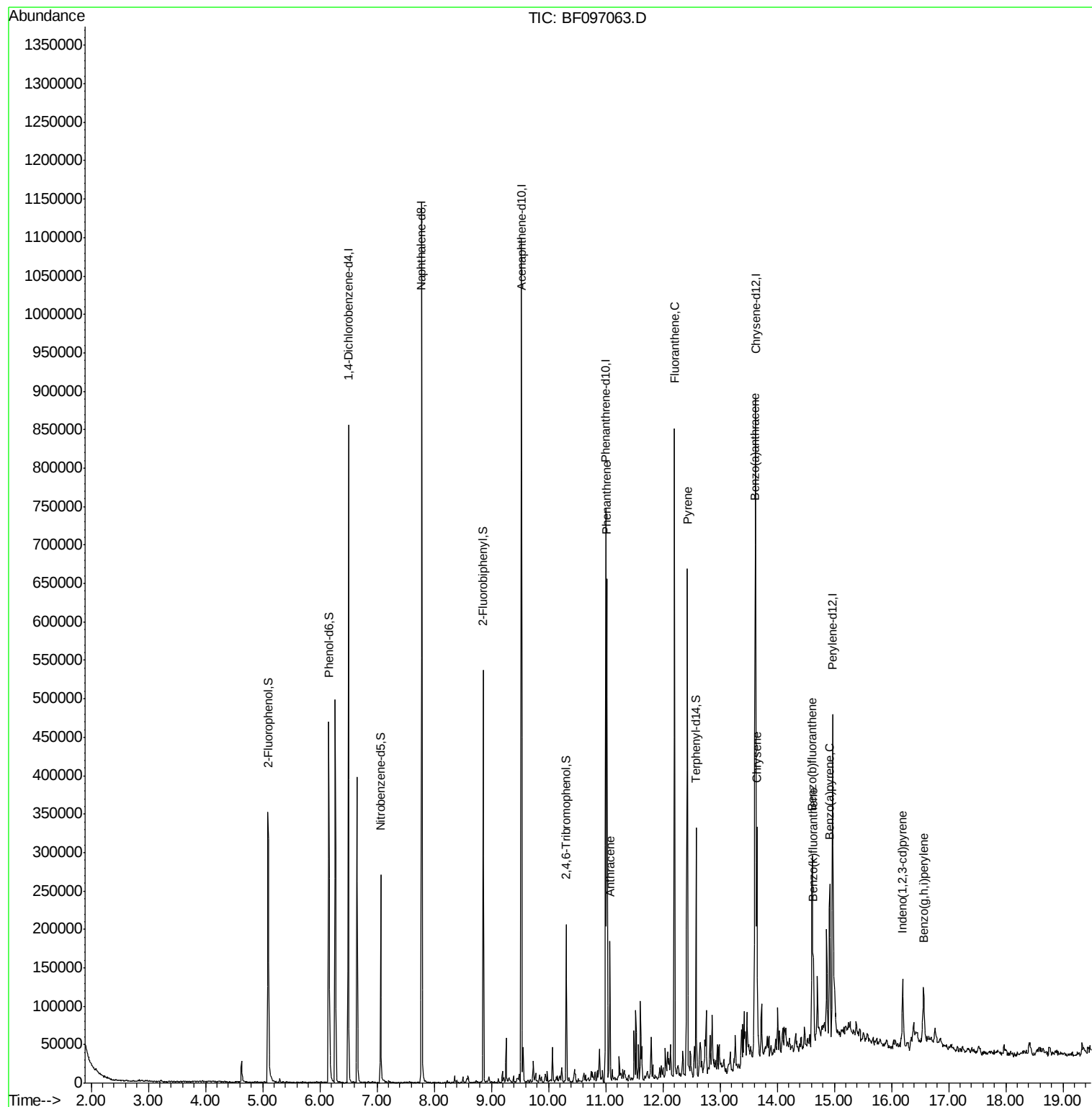
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097063.D
Acq On : 26 Jul 2017 7:56
Operator : SJ/JU
Sample : I4399-05 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

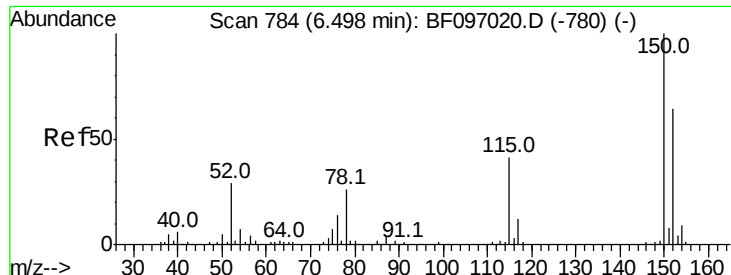
Instrument :
BNA_F
ClientSampleId :
E2-HS4-ESW

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Quant Time: Jul 26 08:25:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

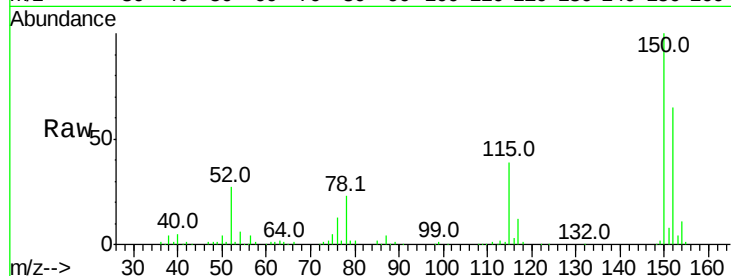
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :
E2-HS4-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	60.6	52.2	78.2

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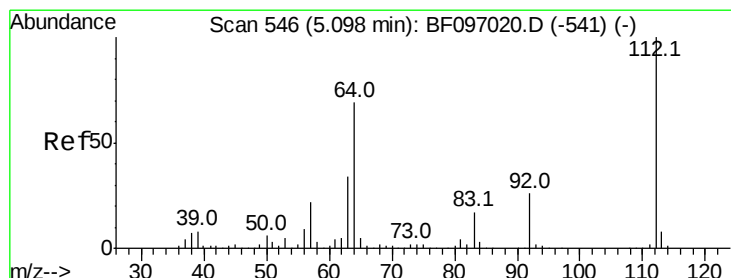
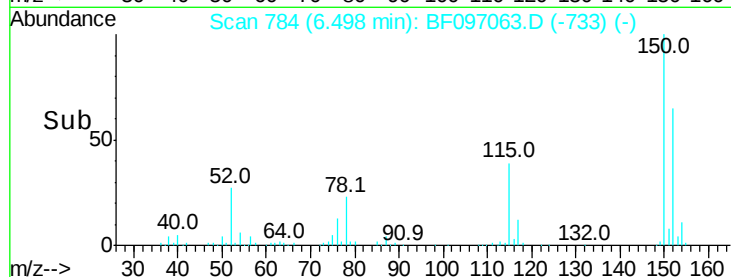
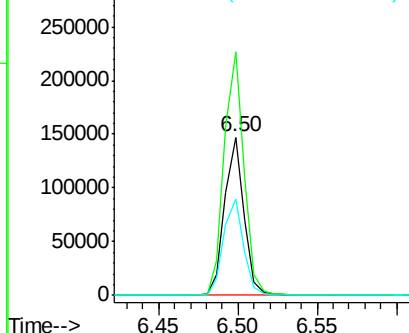


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

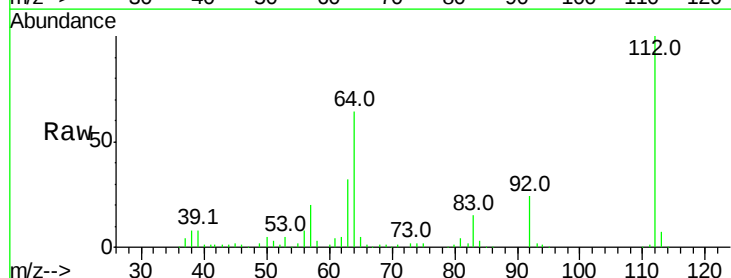
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.266 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	46.0	69.0
63	31.6	23.4	35.0

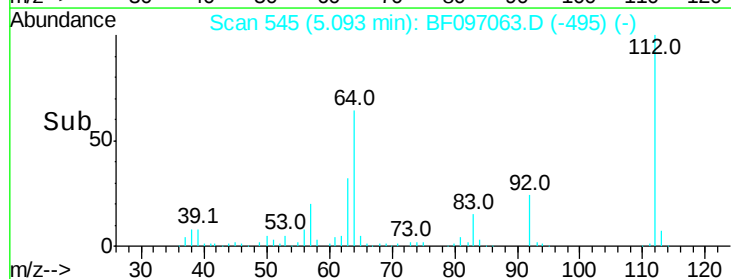
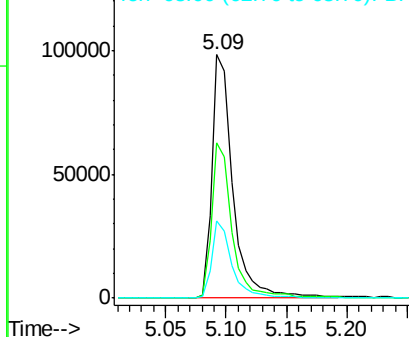


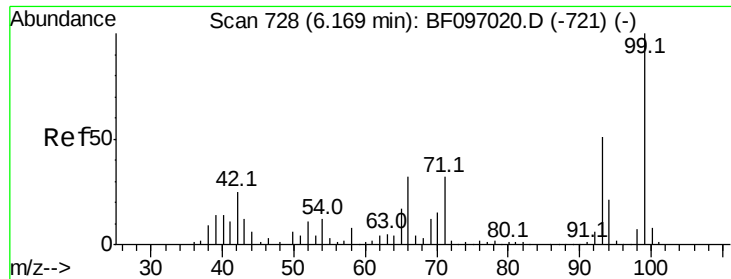
Abundance

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: 16.880 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

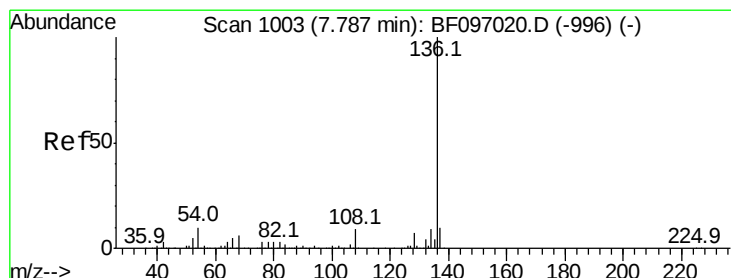
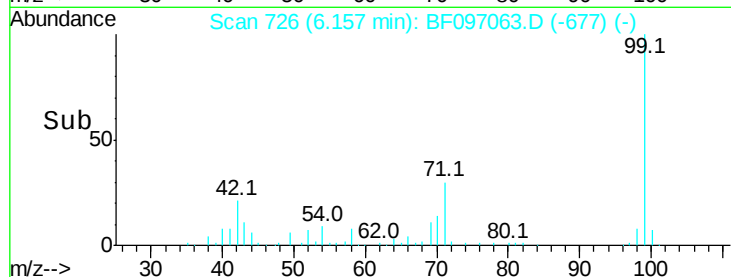
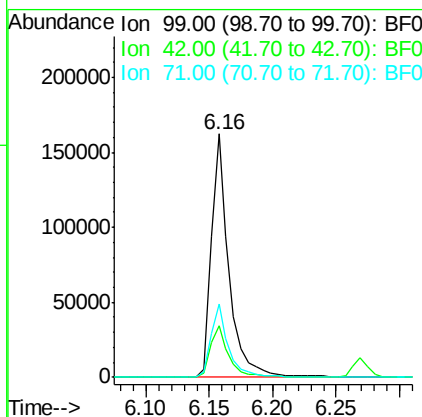
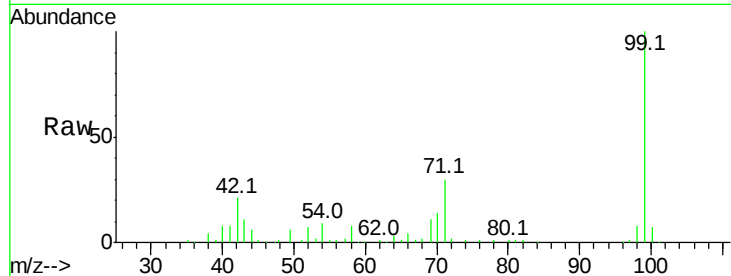
ClientSampled :

E2-HS4-ESW

Tot Ion:	99	Resp:	158764
Ion Ratio	Lower	Upper	
99	100		
42	21.1	13.5	20.3#
71	30.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

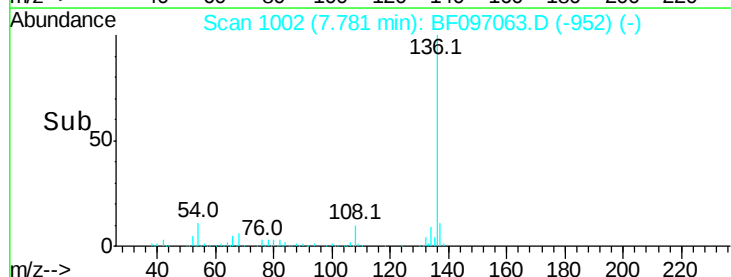
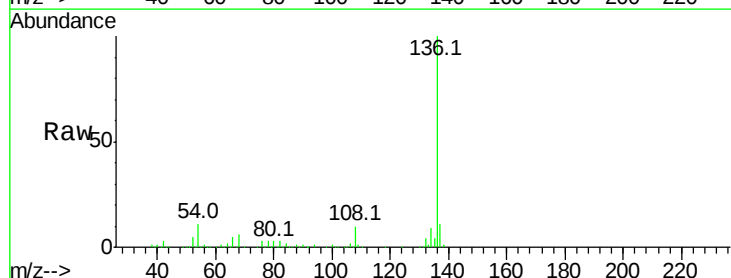
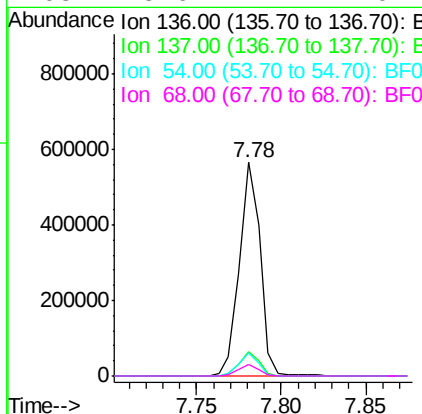
RT: 7.78 min Scan# 1002

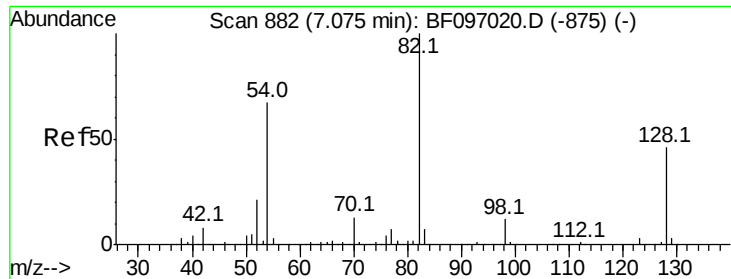
Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Tgt Ion:	136	Resp:	485792
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	10.6	4.9	7.3#
68	5.6	4.1	6.1





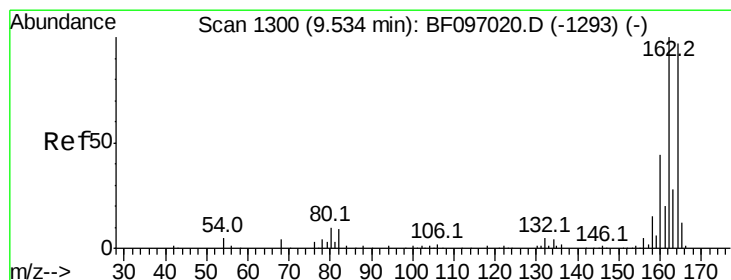
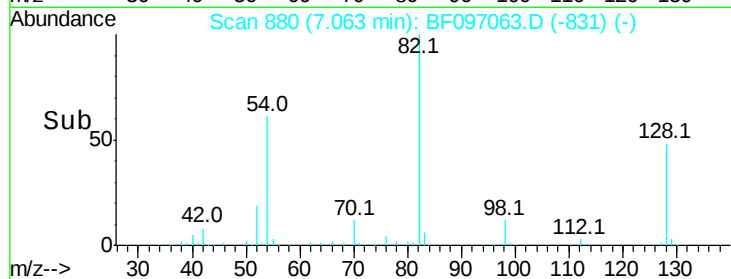
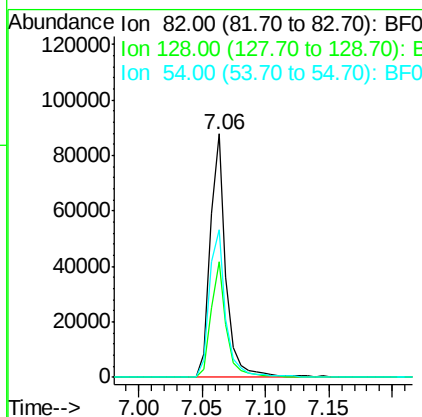
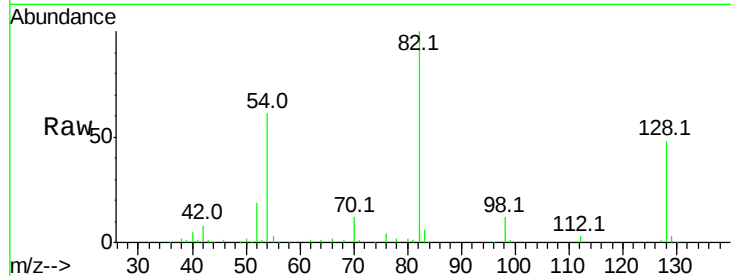
#23
Nitrobenzene-d5
Concen: 9.266 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :
E2-HS4-ESW

Tot Ion	82	Resp	76731
Ion Ratio	100	Lower	Upper
128	47.5	34.0	51.0
54	60.6	42.2	63.2

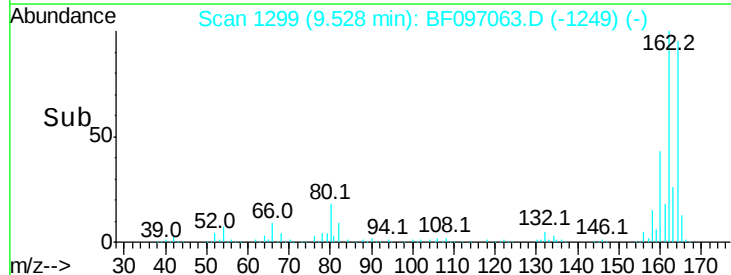
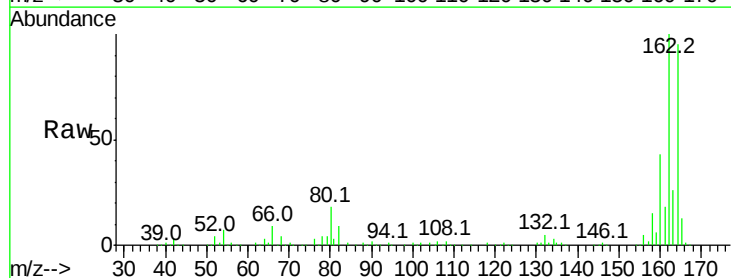
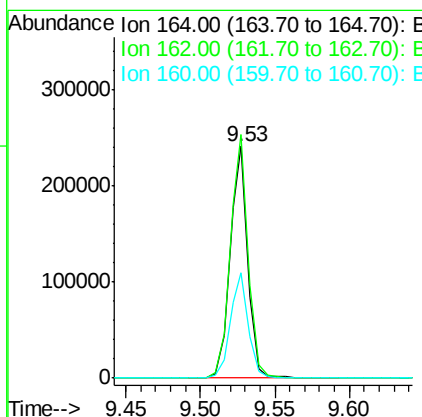
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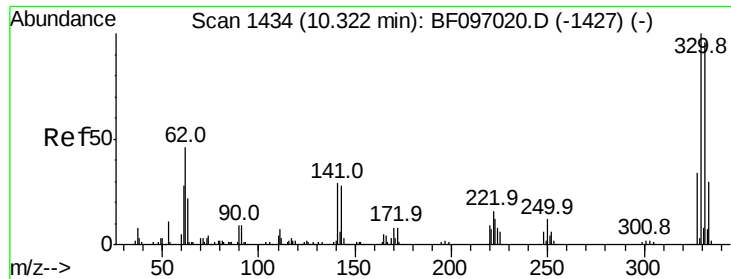
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Tgt Ion	164	Resp	200600
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	105.0	82.6	123.8
160	45.4	36.2	54.2





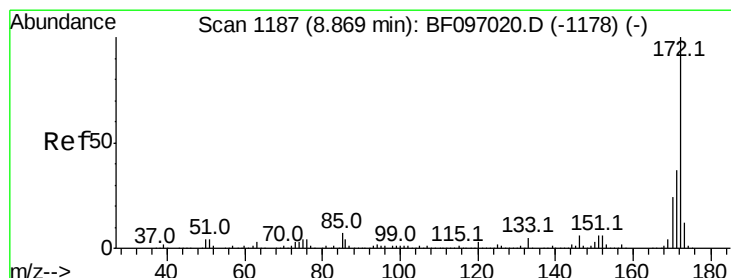
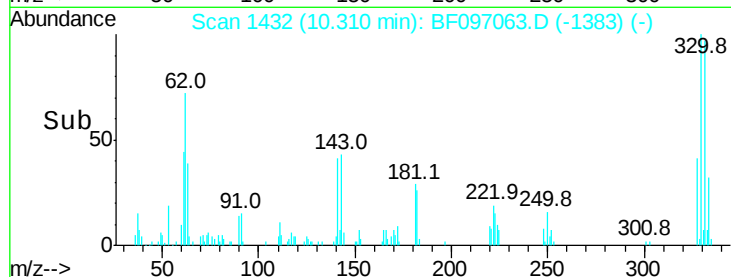
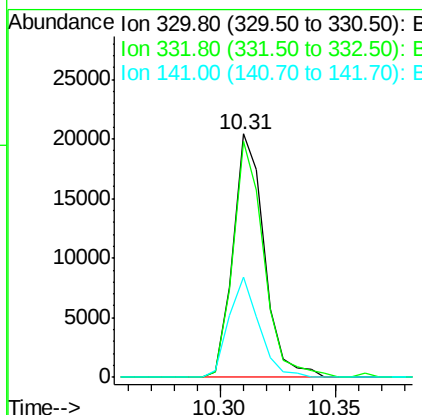
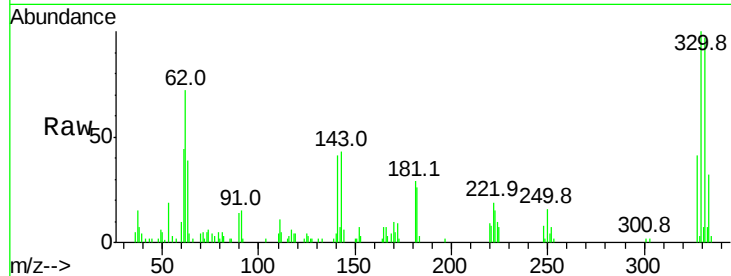
#41
 2,4,6-Tribromophenol
 Concen: 12.173 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Instrument :
 BNA_F
 ClientSampled :
 E2-HS4-ESW

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	39.9	31.4	47.2

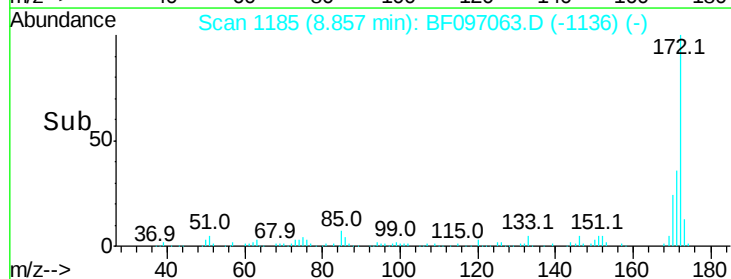
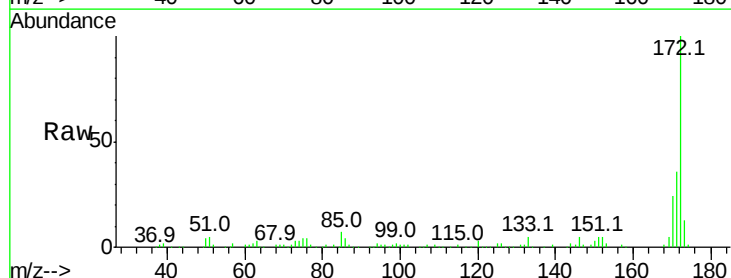
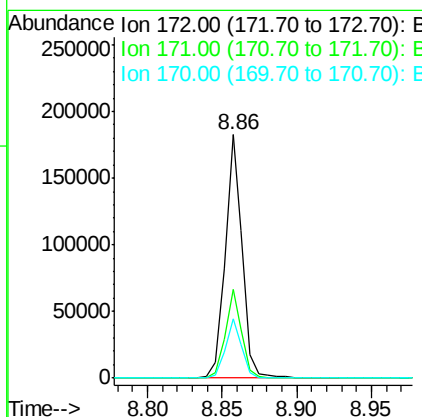
Manual Integrations
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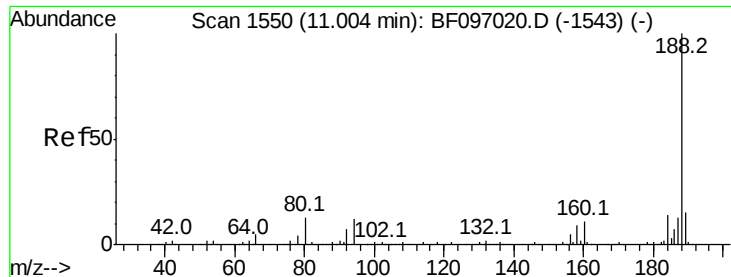
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#44
 2-Fluorobiphenyl
 Concen: 12.434 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.3	19.8	29.8





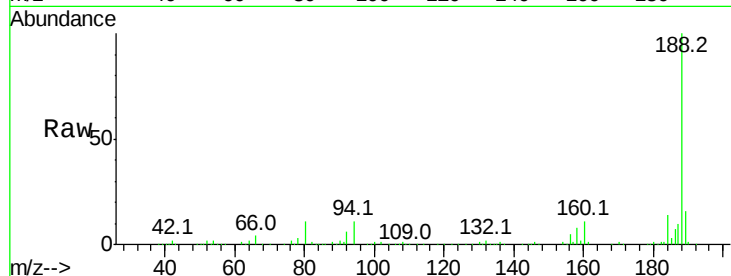
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :
E2-HS4-ESW

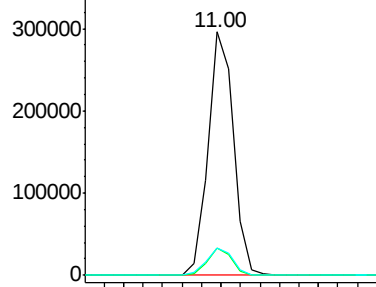
Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.5	9.4	14.2
80	11.4	10.2	15.2

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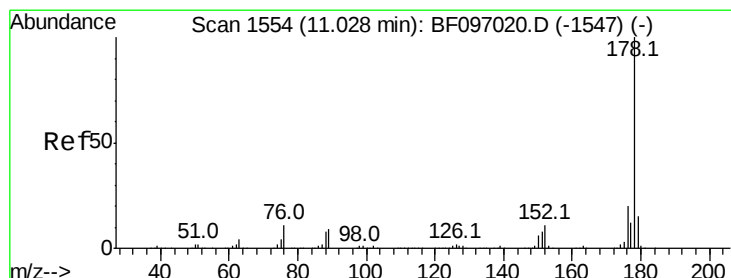
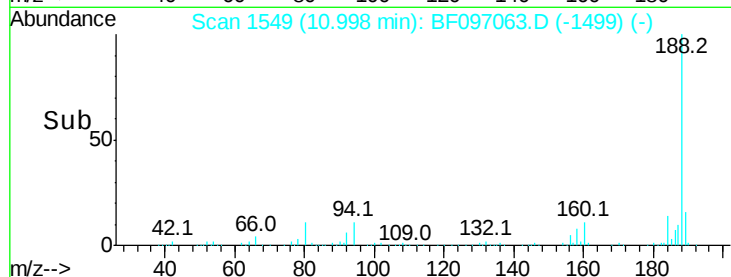
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



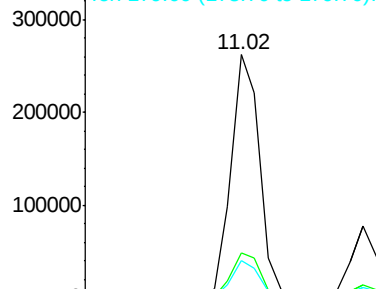
Time-->



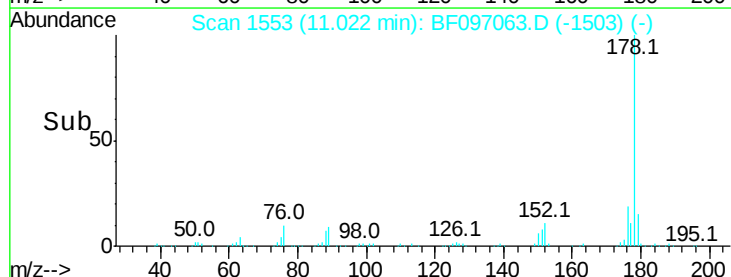
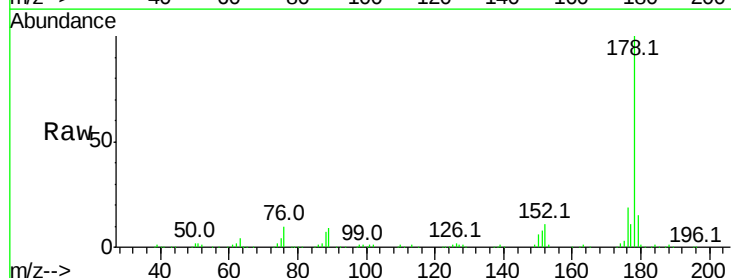
#70
Phenanthrene
Concen: 15.908 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

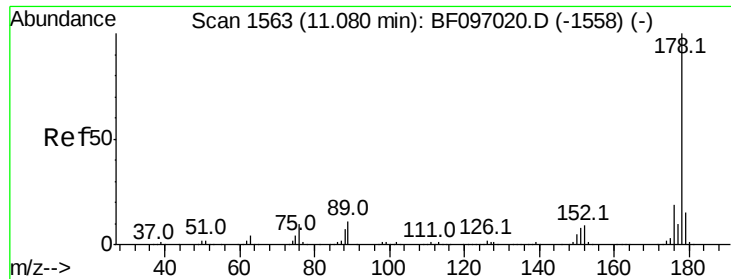
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	16.2	24.4
179	15.2	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





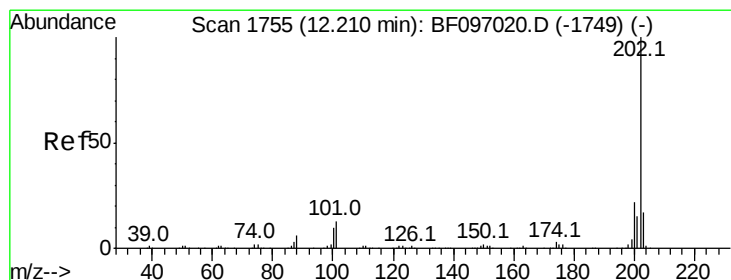
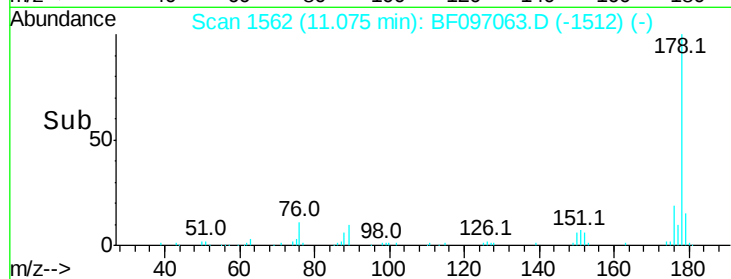
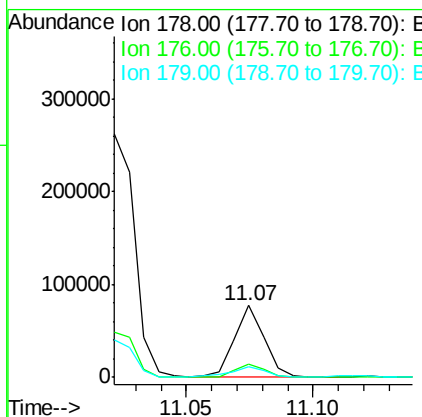
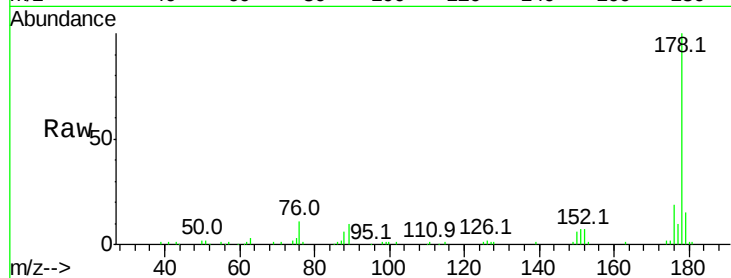
#71
 Anthracene
 Concen: 4.253 ng
 RT: 11.07 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS4-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	12.7	19.1

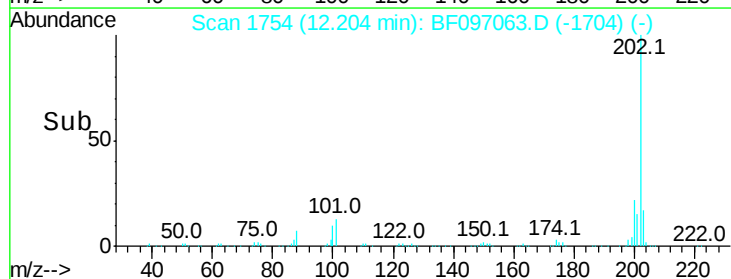
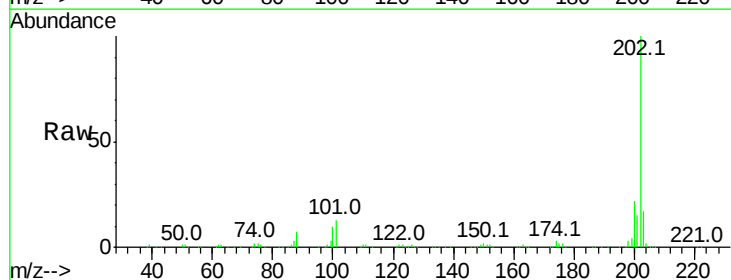
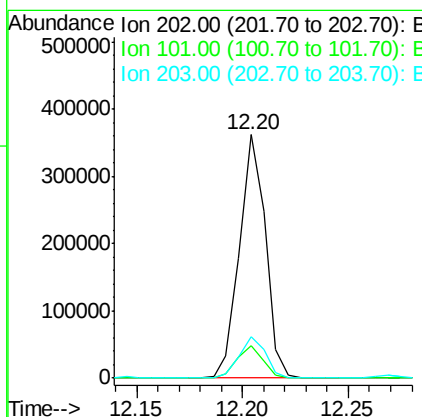
Manual Integrations
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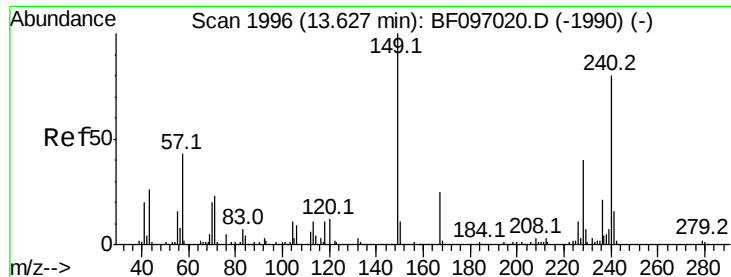
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#74
 Fluoranthene
 Concen: 22.027 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

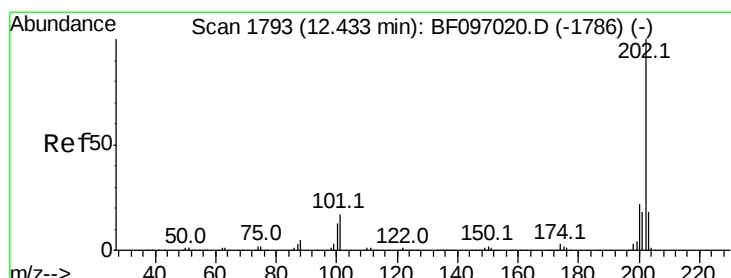
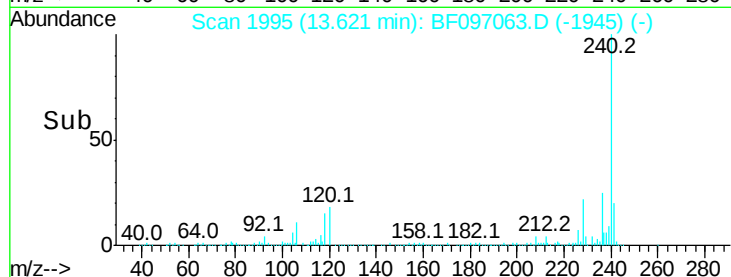
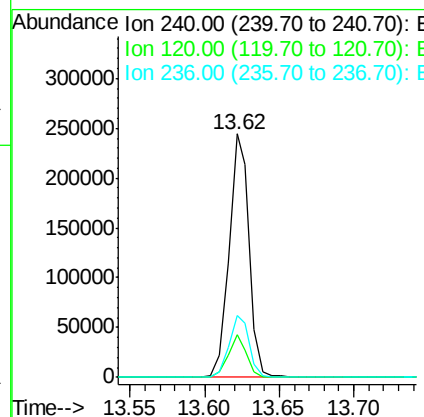
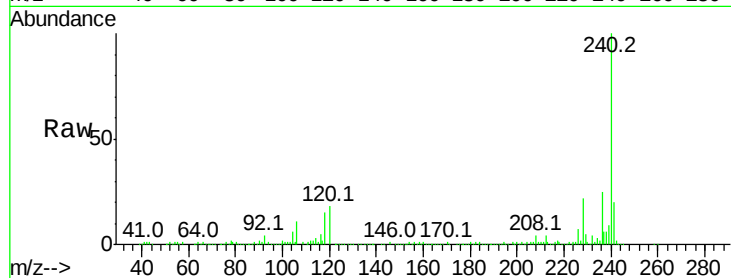
ClientSampleId :

E2-HS4-ESW

Tot Ion:	240	Resp:	231552
Ion Ratio	Lower	Upper	
240	100		
120	17.5	5.8	8.8#
236	25.4	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 13.564 ng

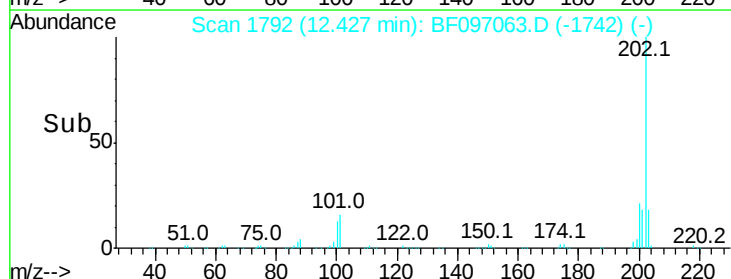
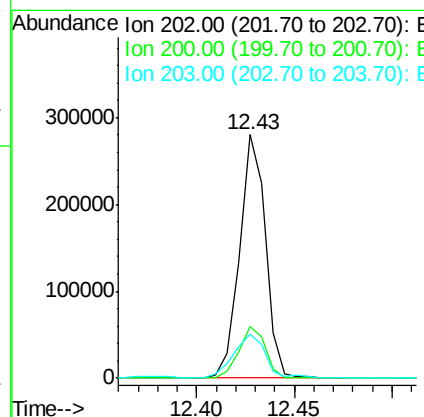
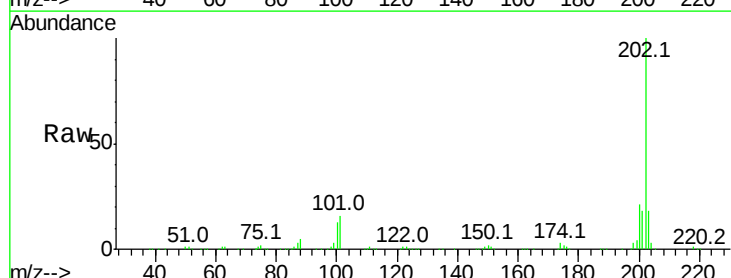
RT: 12.43 min Scan# 1792

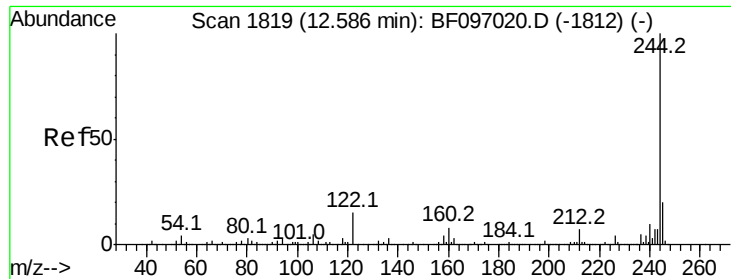
Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Tgt Ion:	202	Resp:	257124
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	18.2	14.4	21.6





#78

Terphenyl-d14

Concen: 7.114 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

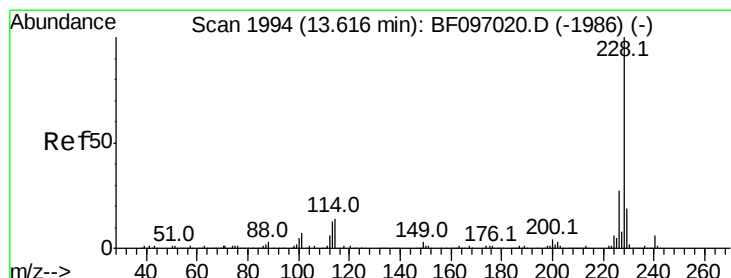
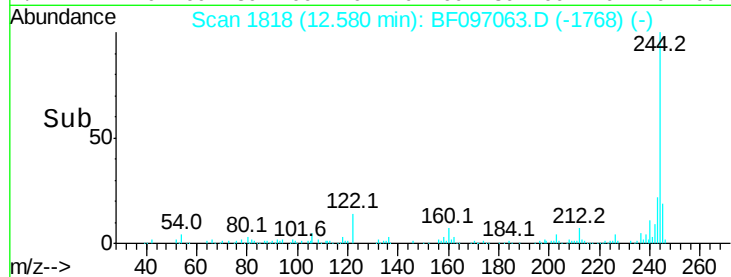
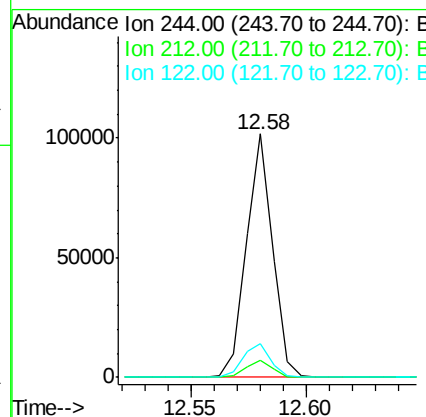
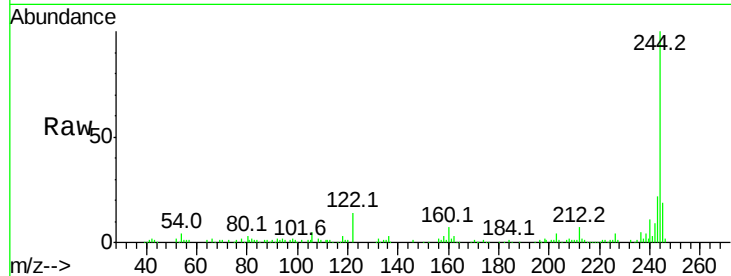
ClientSampled :

E2-HS4-ESW

Tot Ion:	244	Resp:	80791
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	13.9	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 8.910 ng

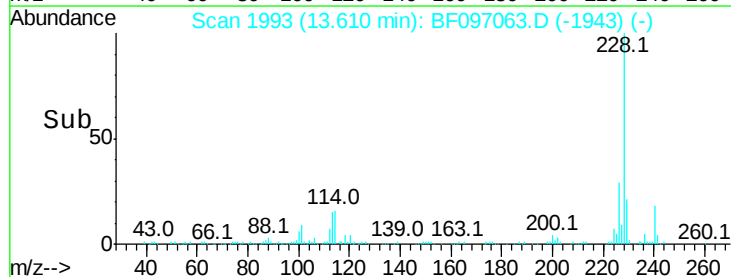
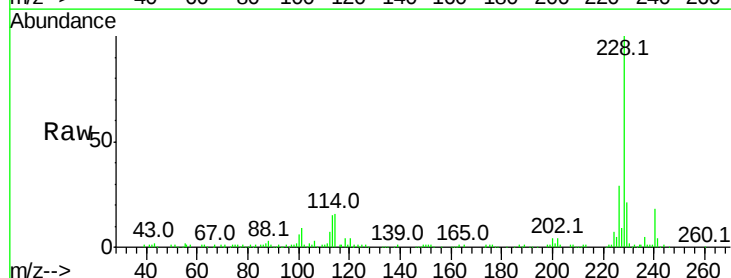
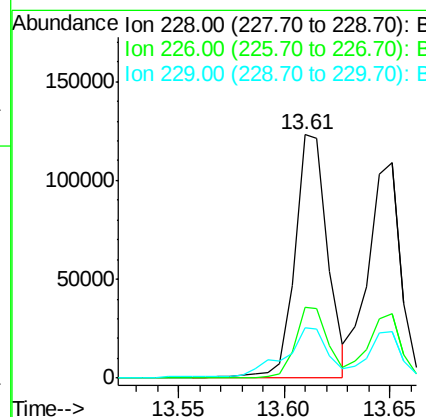
RT: 13.61 min Scan# 1993

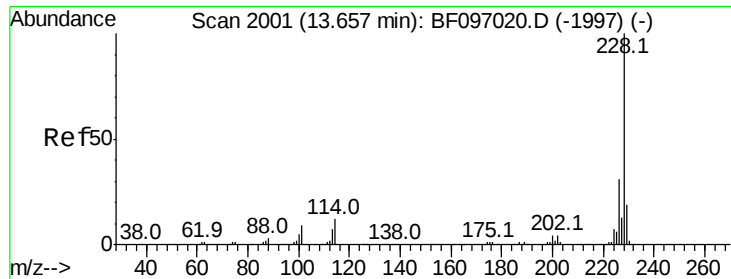
Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Tgt Ion:	228	Resp:	133488
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 8.051 ng

RT: 13.65 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

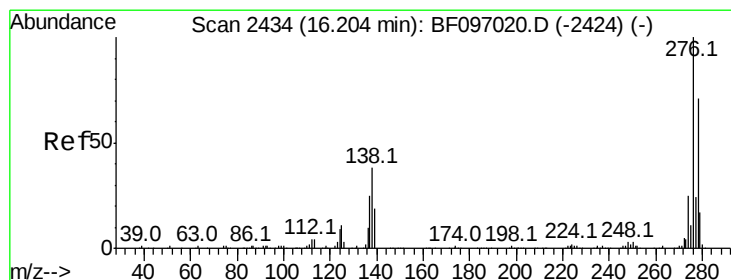
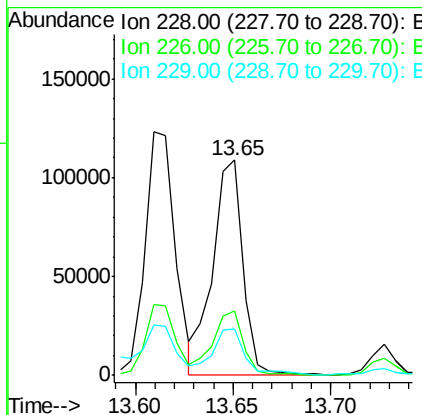
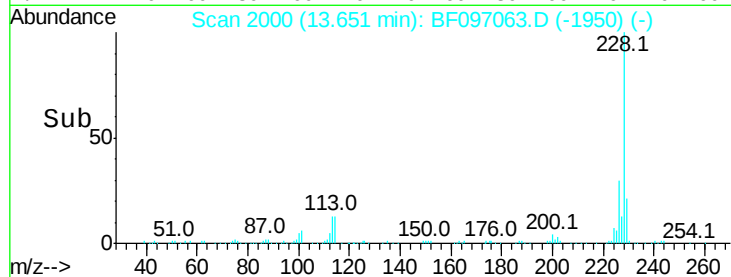
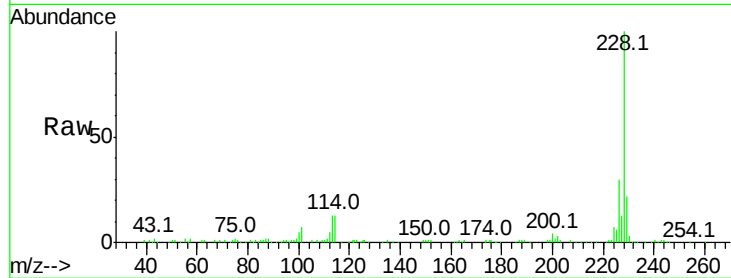
ClientSampleId :

E2-HS4-ESW

Tot Ion:	228	Resp:	117779
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	21.7	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.314 ng

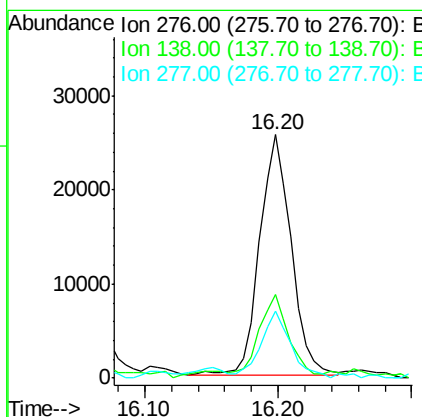
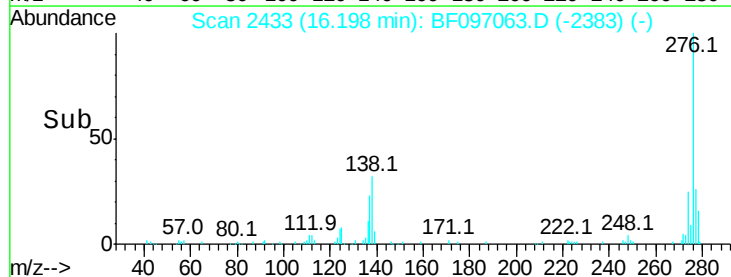
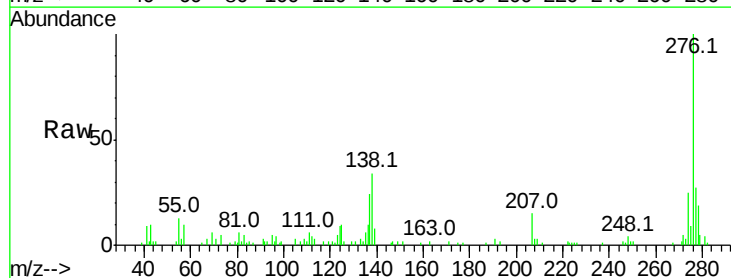
RT: 16.20 min Scan# 2433

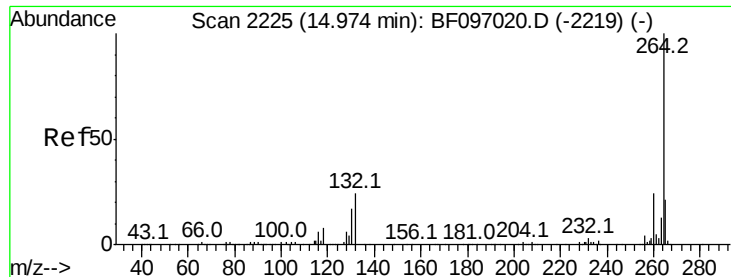
Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Tgt Ion:	276	Resp:	41572
Ion Ratio	Lower	Upper	
276	100		
138	33.7	27.8	41.6
277	26.3	20.2	30.4





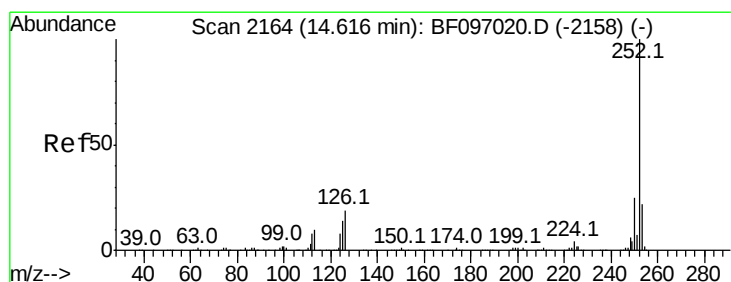
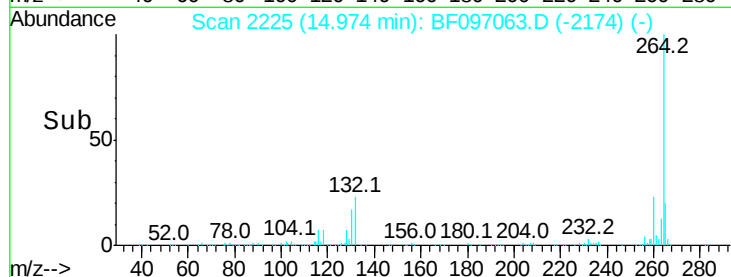
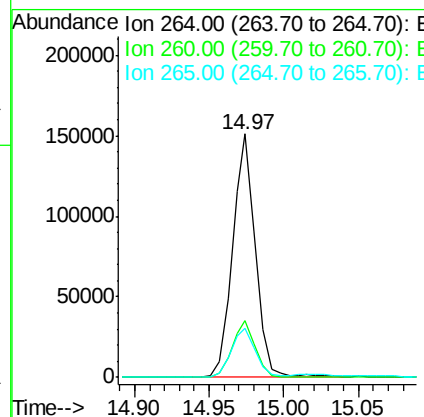
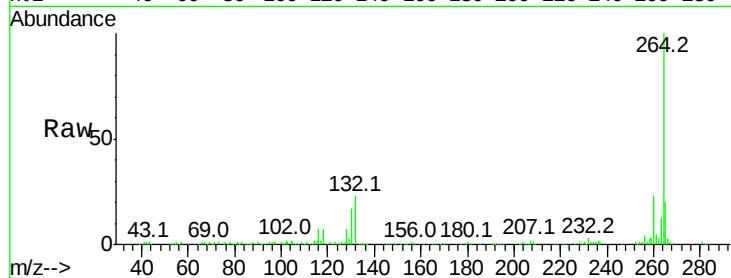
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :
E2-HS4-ESW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.3	17.2	25.8

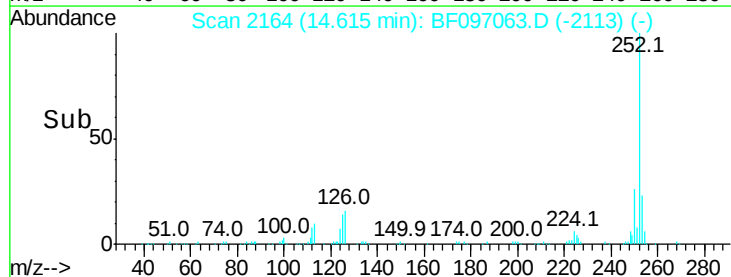
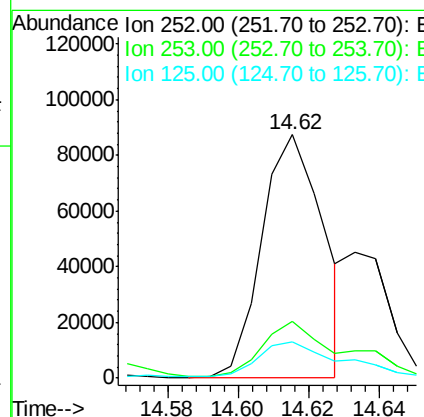
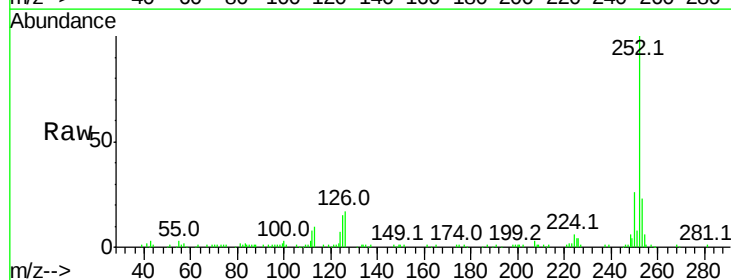
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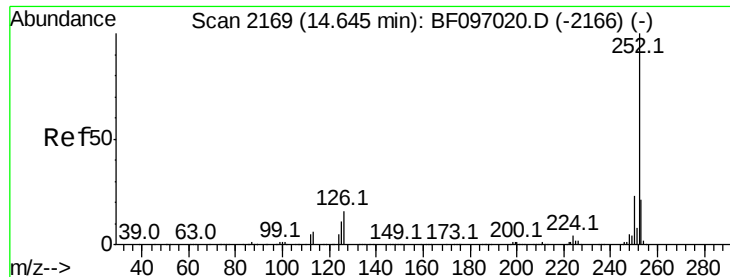
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#87
Benzo(b)fluoranthene
Concen: 10.835 ng m
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	14.7	9.8	14.8





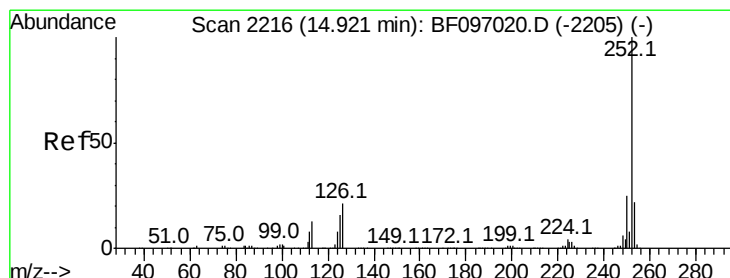
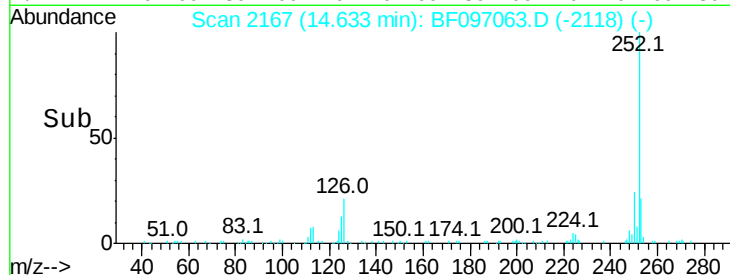
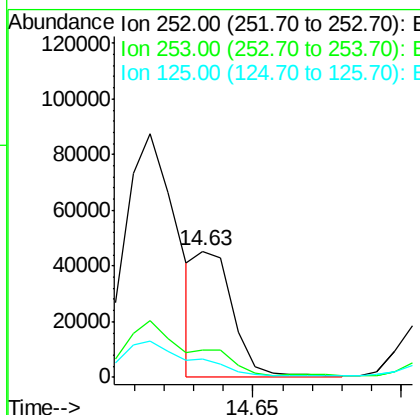
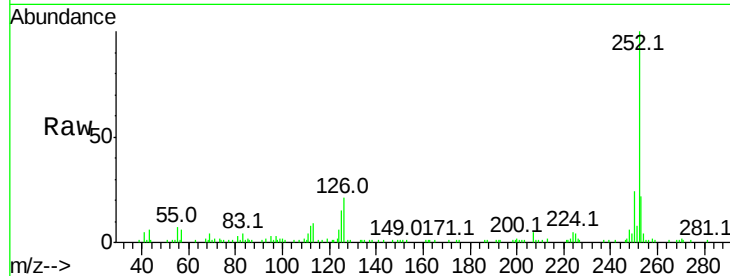
#88
Benzo(k)fluoranthene
Concen: 4.302 ng m
RT: 14.63 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :
E2-HS4-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	14.7	13.1	19.7

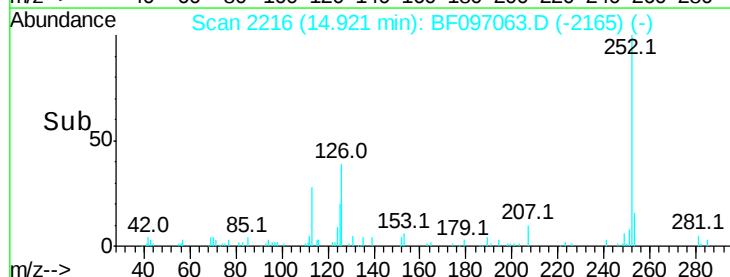
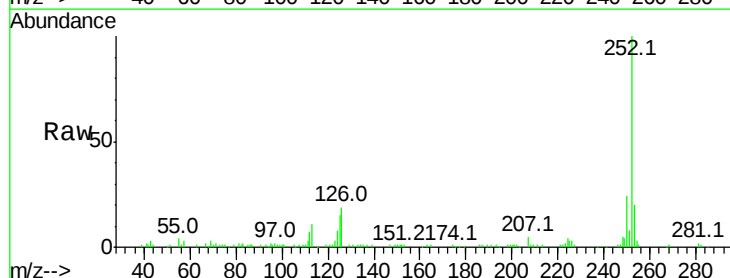
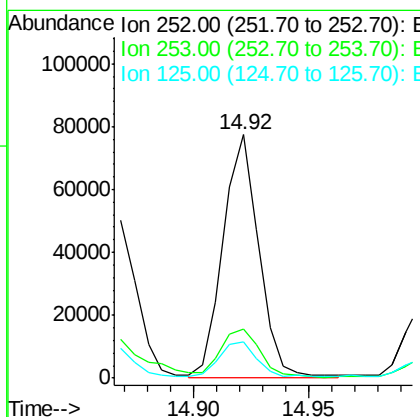
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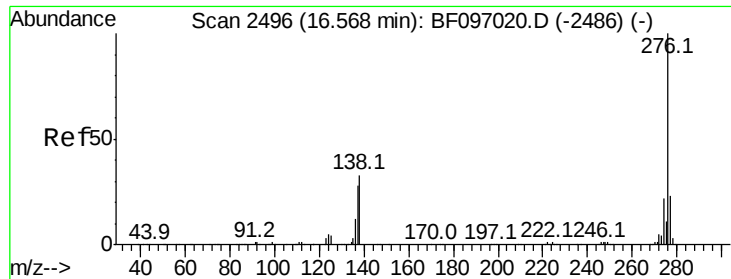
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#89
Benzo(a)pyrene
Concen: 9.332 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.5	26.3
125	14.8	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.639 ng/ml
 RT: 16.56 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS4-ESW

Tot Ion:	276	Resp:	43388
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	32.2	25.4	38.0

Manual Integrations
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