

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097191.D
 Acq On : 29 Jul 2017 9:05
 Operator : SJ/JU
 Sample : I4421-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-NSW

Manual Integrations
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Sohil
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Quant Time: Jul 31 01:57:49 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	99413	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	405613	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	143164	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	208101	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	166929	20.00	ng	0.00
86) Perylene-d12	14.97	264	124146	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	718674	108.98	ng	0.00
7) Phenol-d6	6.15	99	844894	112.23	ng	-0.02
23) Nitrobenzene-d5	7.06	82	490204	70.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	108434	95.86	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	552685	65.52	ng	-0.02
78) Terphenyl-d14	12.57	244	305508	37.31	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.16	94	32797	3.673	ng	97
49) Dimethylphthalate	9.25	163	191919	17.653	ng	100
51) Acenaphthene	9.55	154	25648	3.152	ng	97
57) Fluorene	10.06	166	18116	2.224	ng	97
70) Phenanthrene	11.01	178	352614	31.624	ng	99
71) Anthracene	11.06	178	39146	3.428	ng	98
72) Carbazole	11.23	167	23810	2.120	ng	97
74) Fluoranthene	12.20	202	406653	37.228	ng	98
77) Pyrene	12.43	202	352058	25.762	ng	99
80) Benzo(a)anthracene	13.61	228	151262	14.004	ng	# 94
82) Chrysene	13.65	228	150315	14.252	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.19	276	51241	5.666	ng	99
87) Benzo(b)fluoranthene	14.62	252	141840m	19.007	ng	
88) Benzo(k)fluoranthene	14.63	252	43636m	6.136	ng	
89) Benzo(a)pyrene	14.92	252	101842	14.911	ng	# 92
90) Dibenzo(a,h)anthracene	16.19	278	13801	2.464	ng	# 77
91) Benzo(g,h,i)perylene	16.55	276	49122	8.363	ng	96

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

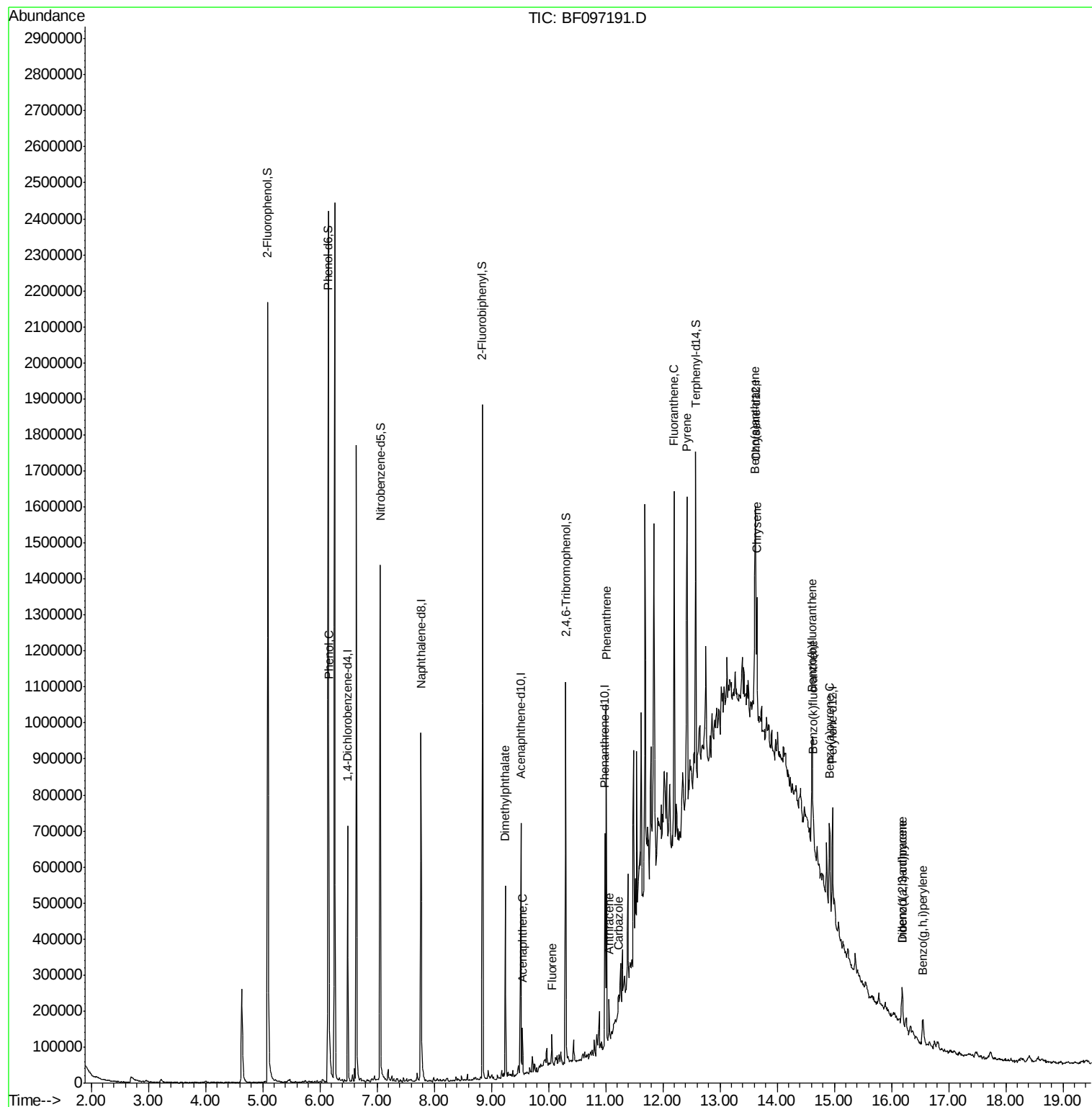
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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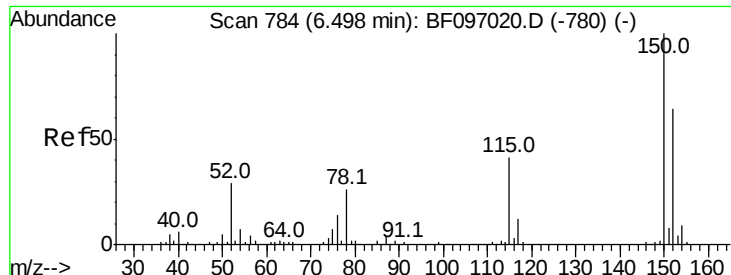
Instrument :
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E2-HS5-NSW

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

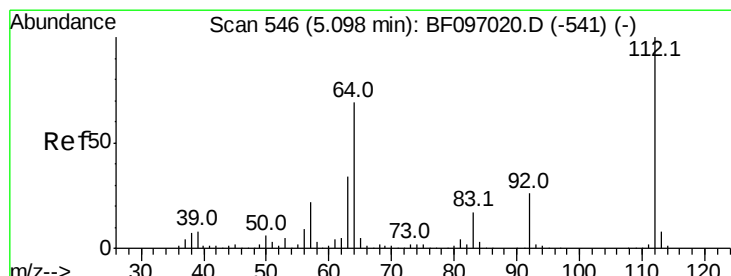
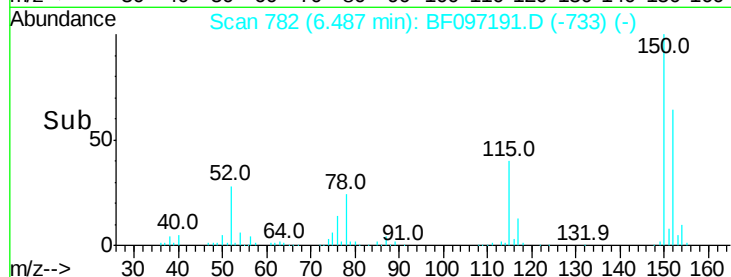
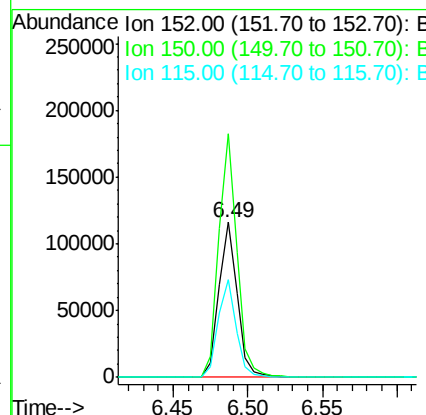
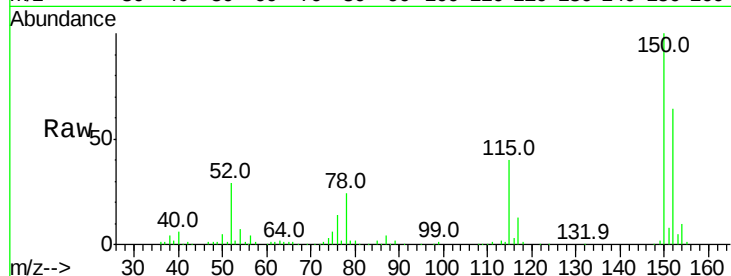
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Instrument :
BNA_F
ClientSampleId :
E2-HS5-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	63.4	52.2	78.2

Manual Integrations
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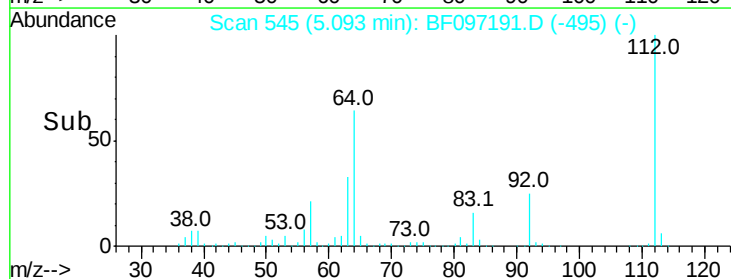
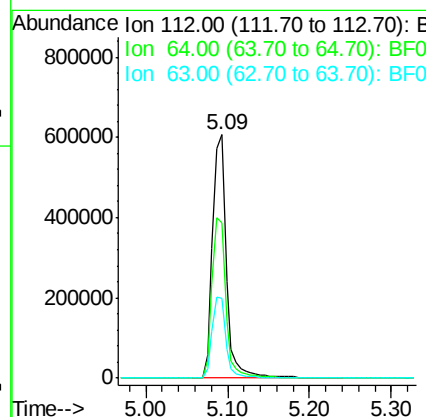
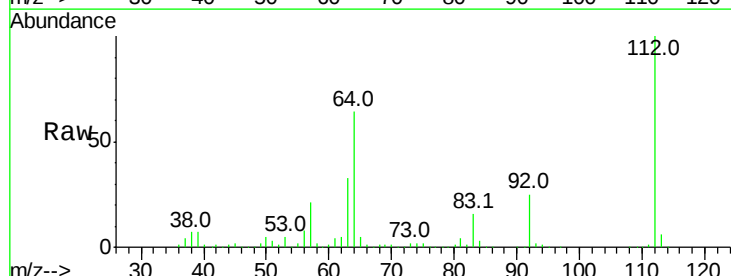
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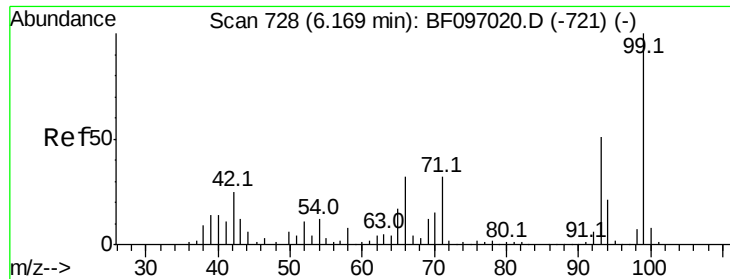


#5

2-Fluorophenol
Concen: 108.979 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	32.6	23.4	35.0





#7

Phenol-d6

Concen: 112.226 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Instrument :

BNA_F

ClientSampled :

E2-HS5-NSW

Tot Ion: 99 Resp: 844894

Ion Ratio Lower Upper

99 100

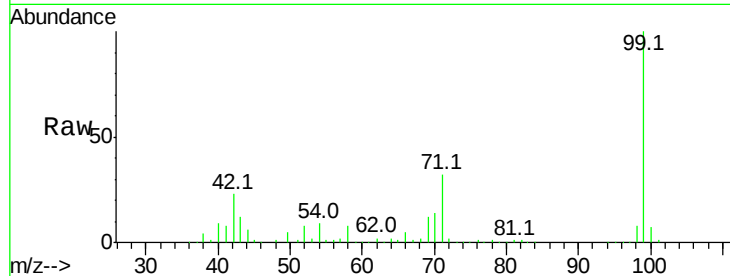
42 23.3 13.5 20.3#

71 32.0 24.5 36.7

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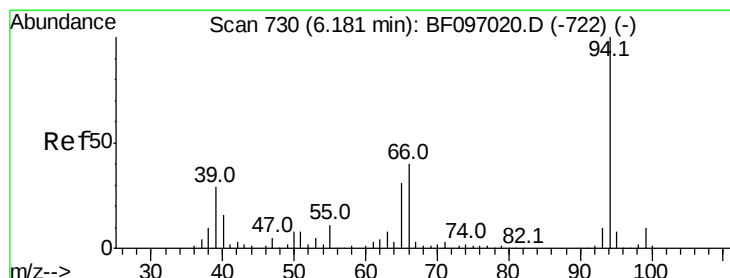
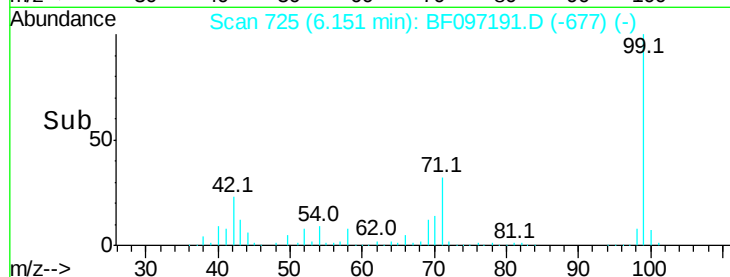
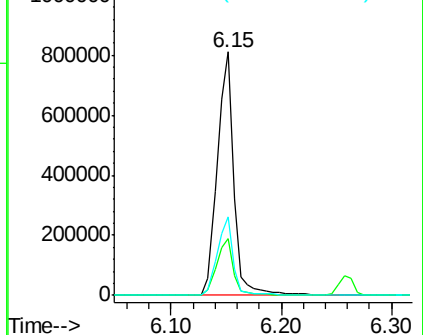
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.673 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

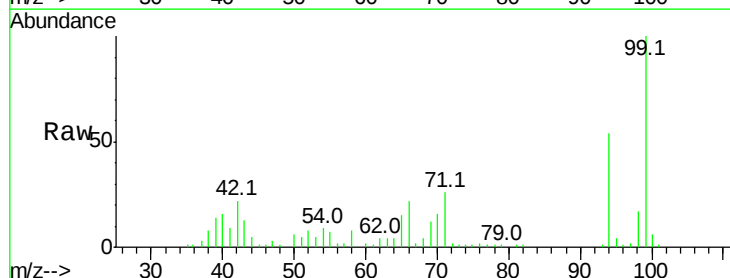
Tgt Ion: 94 Resp: 32797

Ion Ratio Lower Upper

94 100

65 28.5 9.9 49.9

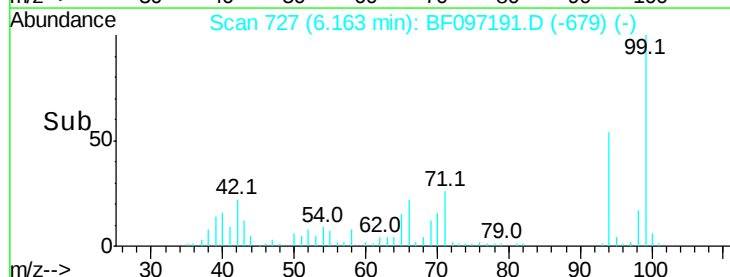
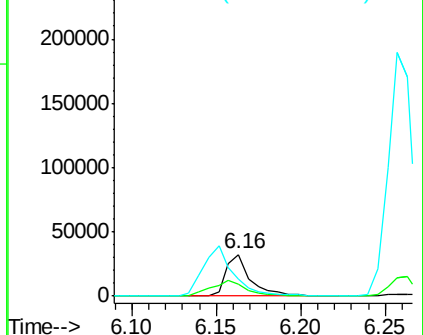
66 41.5 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





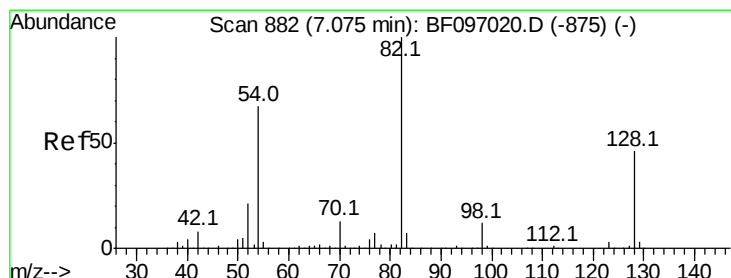
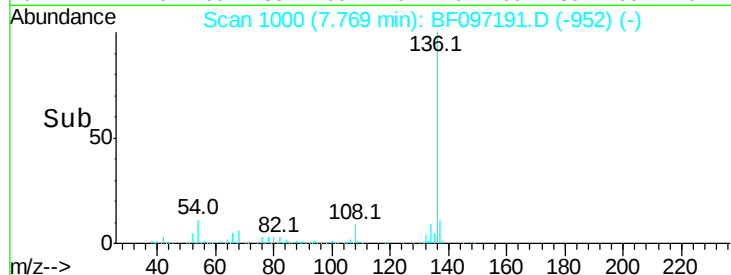
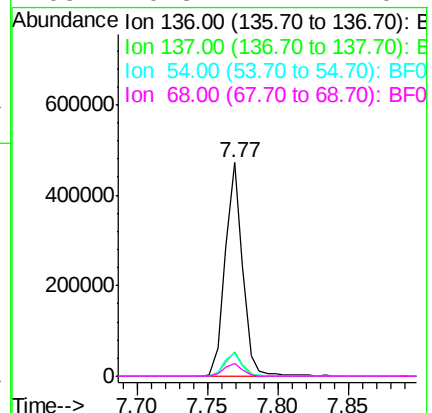
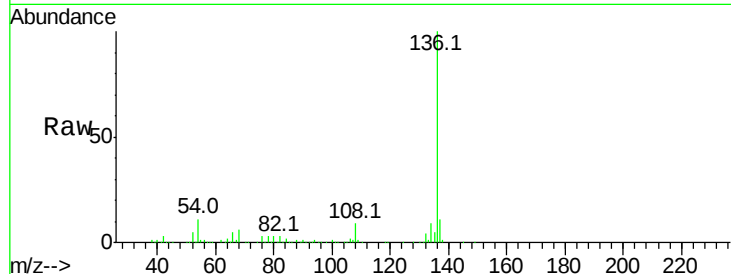
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Instrument :
BNA_F
ClientSampleId :
E2-HS5-NSW

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.5	8.5	12.7
54	10.6	4.9	7.3#
68	6.3	4.1	6.1#

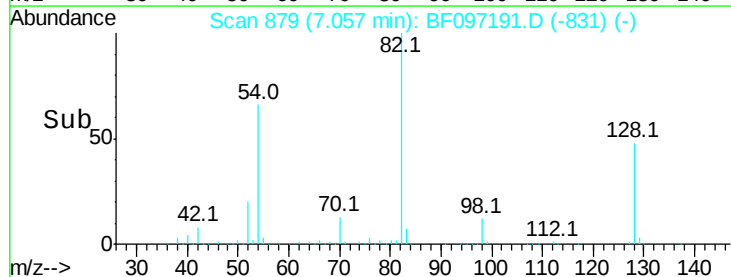
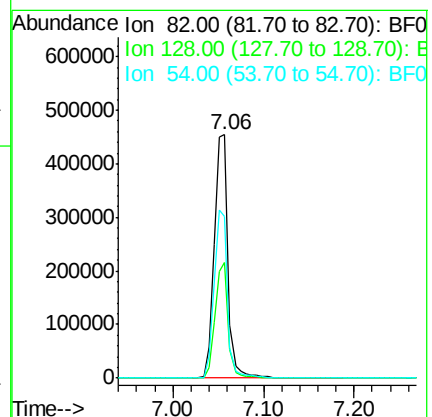
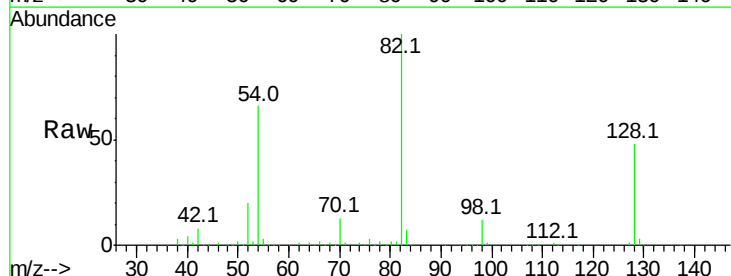
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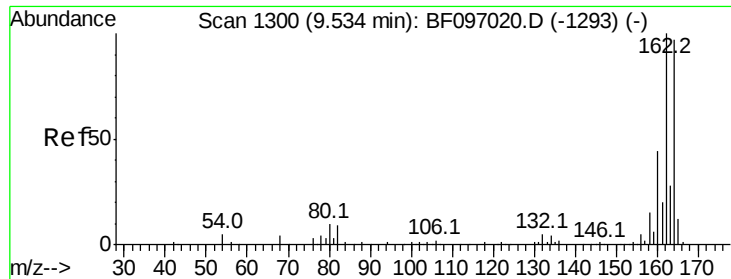
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#23
Nitrobenzene-d5
Concen: 70.898 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.6	34.0	51.0
54	66.4	42.2	63.2#





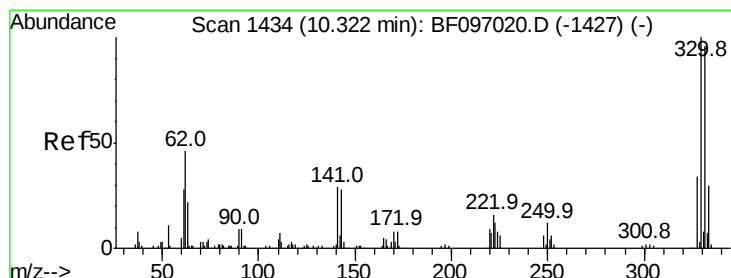
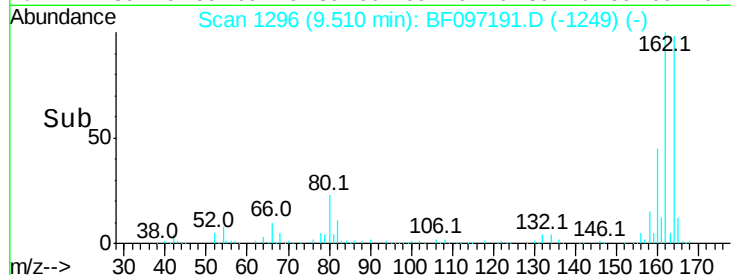
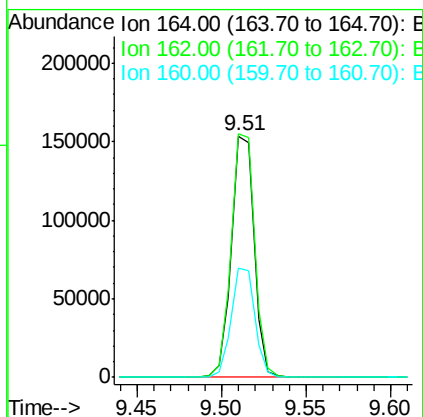
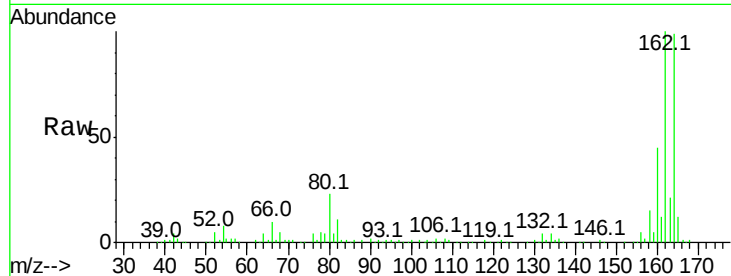
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-NSW

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.6	123.8
160	45.3	36.2	54.2

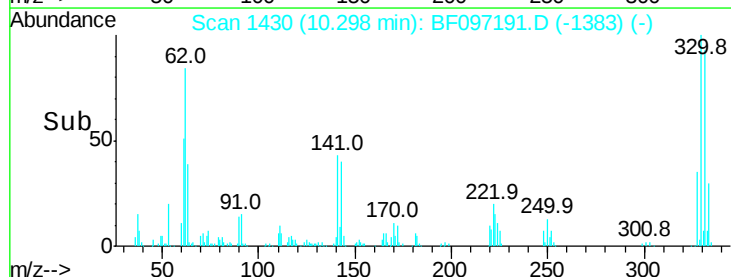
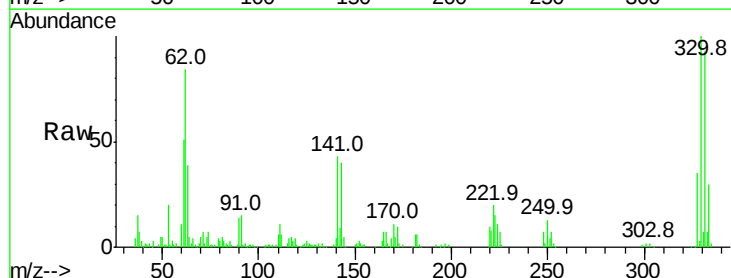
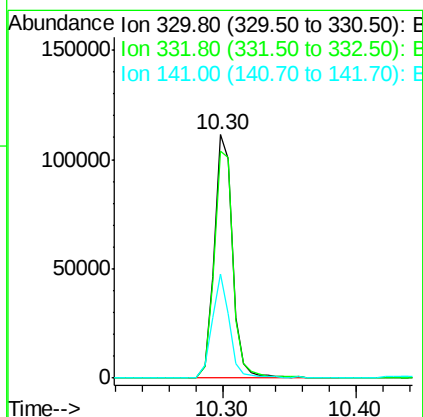
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#41
 2,4,6-Tribromophenol
 Concen: 95.863 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	40.9	31.4	47.2





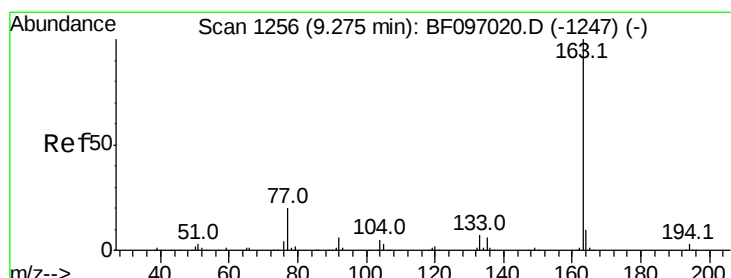
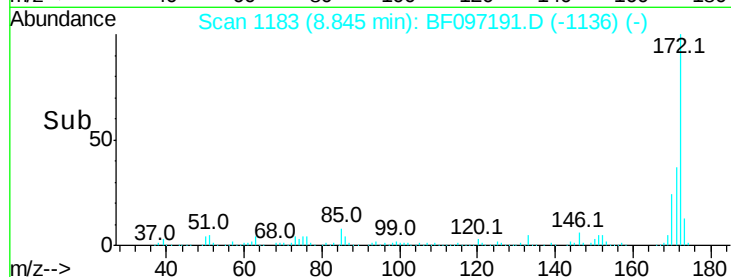
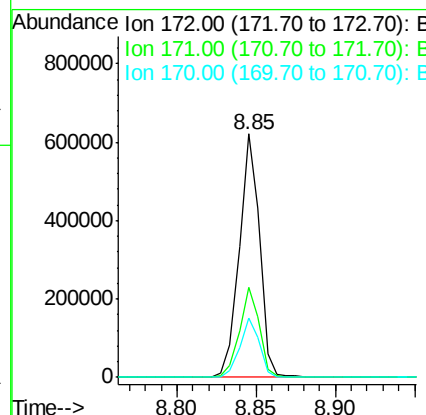
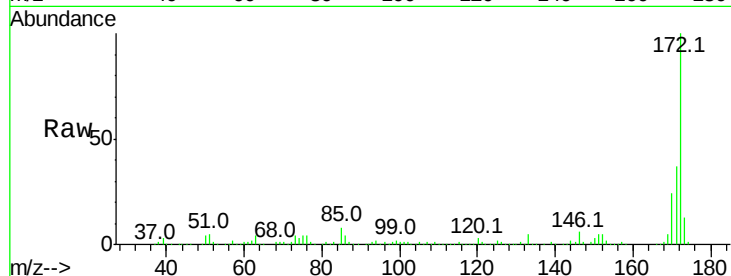
#44
 2-Fluorobiphenyl
 Concen: 65.516 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-NSW

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.2	19.8	29.8

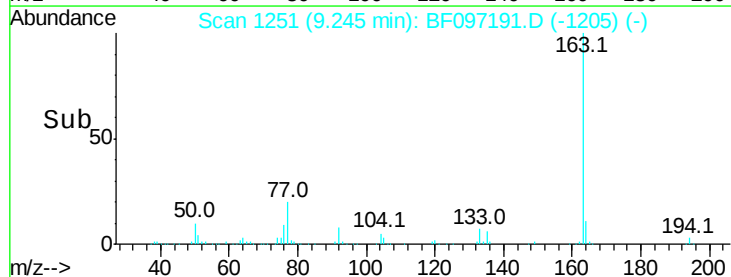
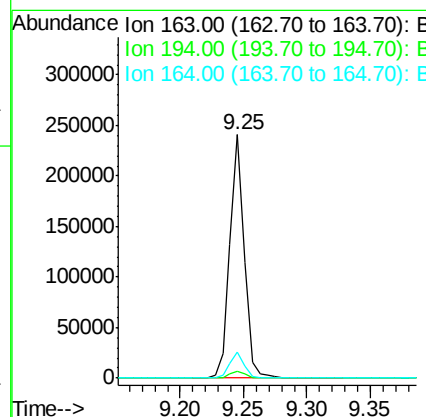
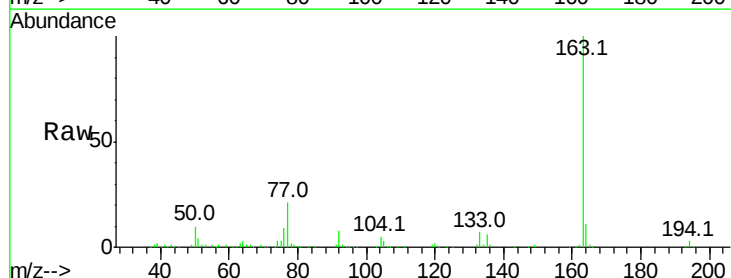
Manual Integrations
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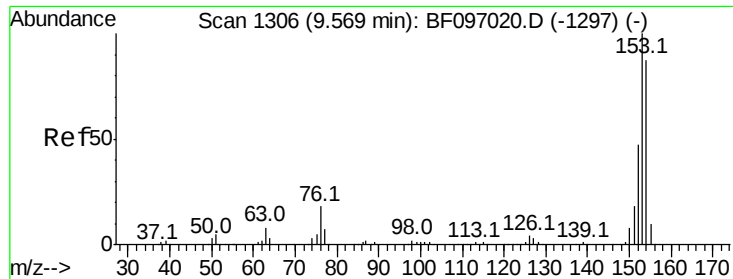
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#49
 Dimethylphthalate
 Concen: 17.653 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.6	8.4	12.6





#51

Acenaphthene

Concen: 3.152 ng

RT: 9.55 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Instrument :

BNA_F

ClientSampleId :

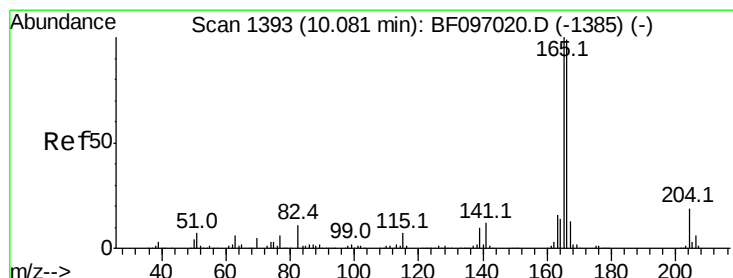
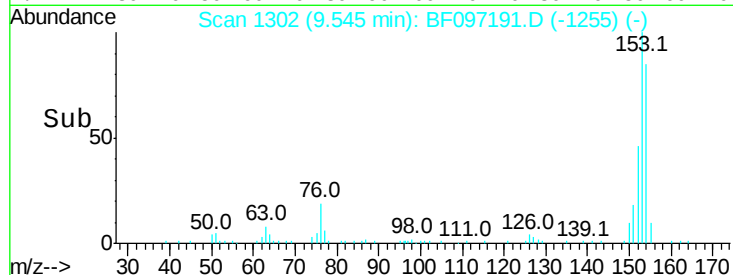
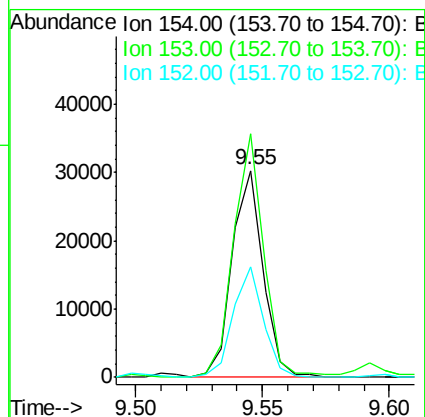
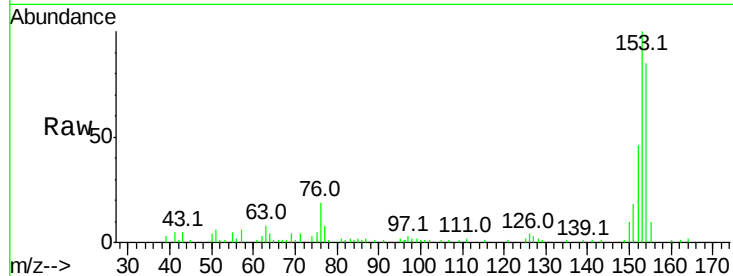
E2-HS5-NSW

Tot Ion:	154	Resp:	25648
Ion Ratio	Lower	Upper	
154	100		
153	117.9	90.5	135.7
152	53.8	43.6	65.4

Manual Integrations
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#57

Fluorene

Concen: 2.224 ng

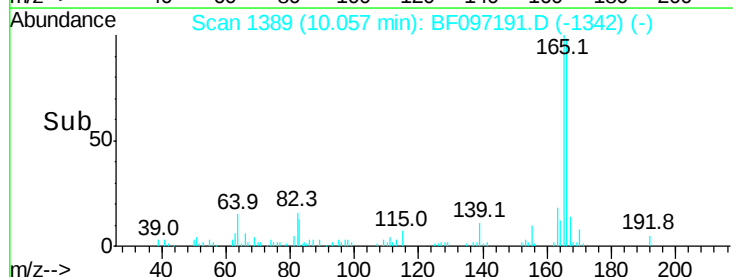
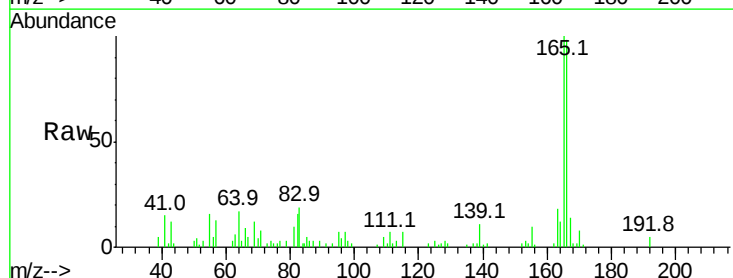
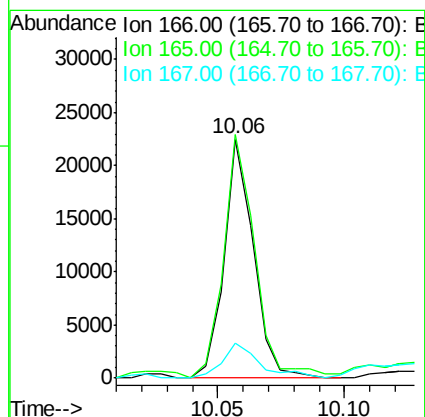
RT: 10.06 min Scan# 1389

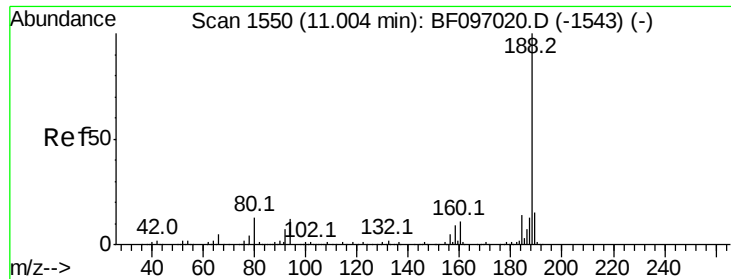
Delta R.T. -0.02 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Tgt Ion:	166	Resp:	18116
Ion Ratio	Lower	Upper	
166	100		
165	101.9	78.8	118.2
167	14.7	10.6	16.0





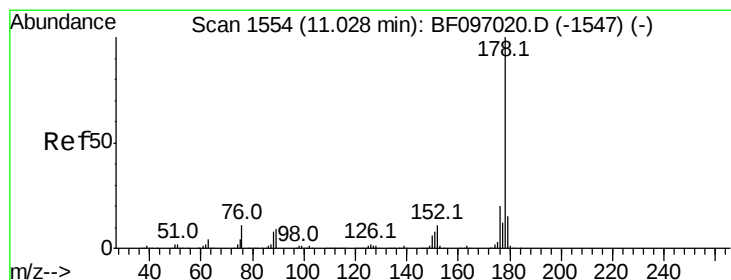
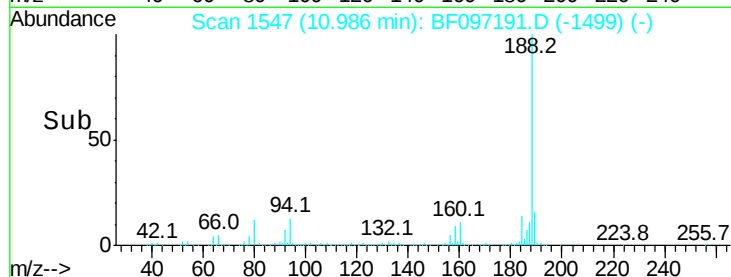
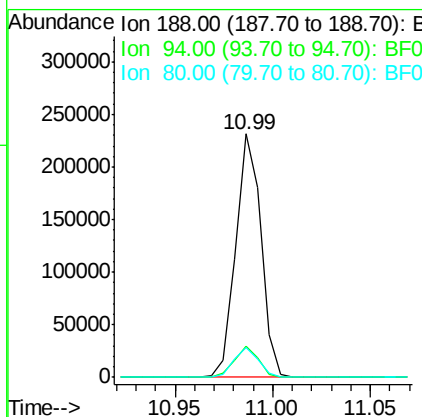
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Instrument :
BNA_F
ClientSampleId :
E2-HS5-NSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	208101		
94	13.0		9.4	14.2
80	12.3		10.2	15.2

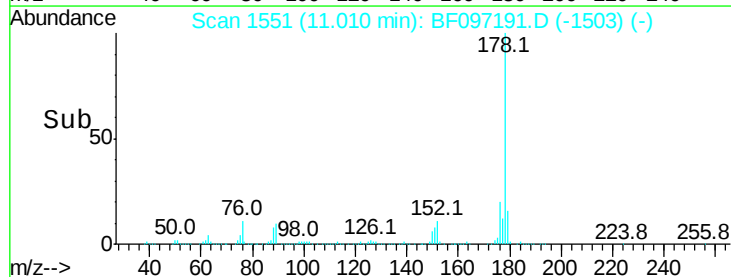
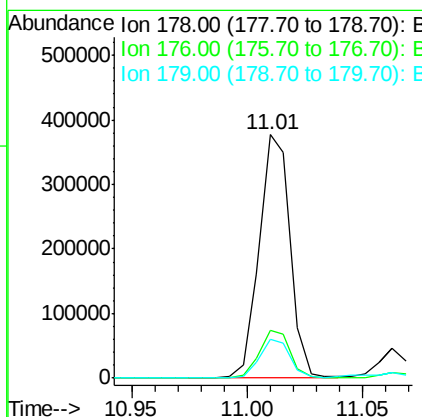
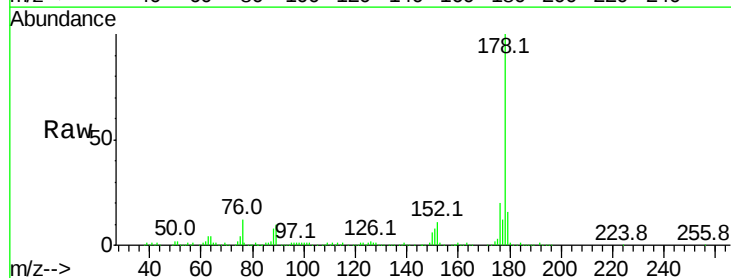
Manual Integrations
APPROVED

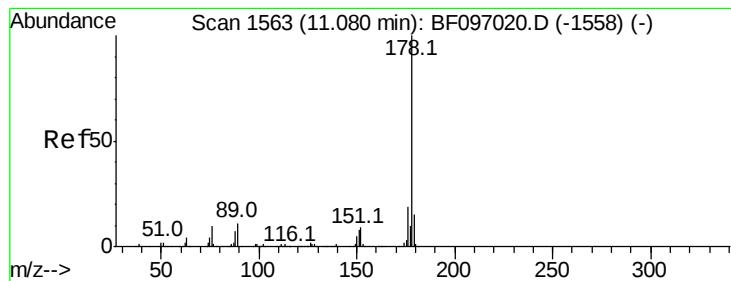
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#70
Phenanthrene
Concen: 31.624 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	352614		
176	19.8		16.2	24.4
179	15.8		12.6	19.0





#71

Anthracene

Concen: 3.428 ng

RT: 11.06 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Instrument :

BNA_F

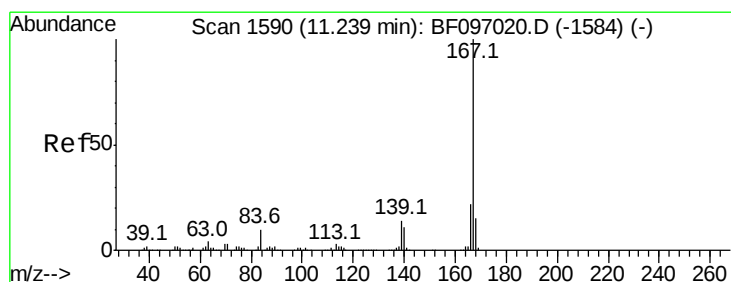
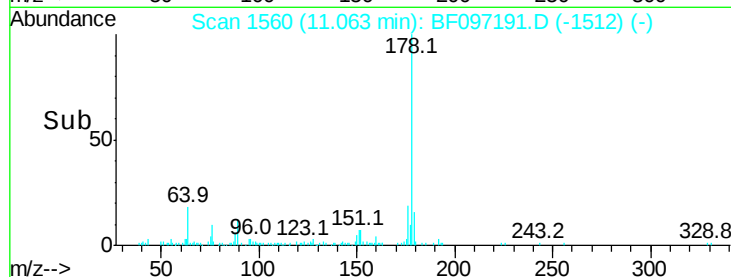
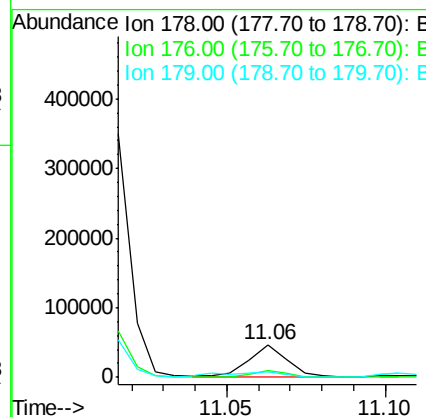
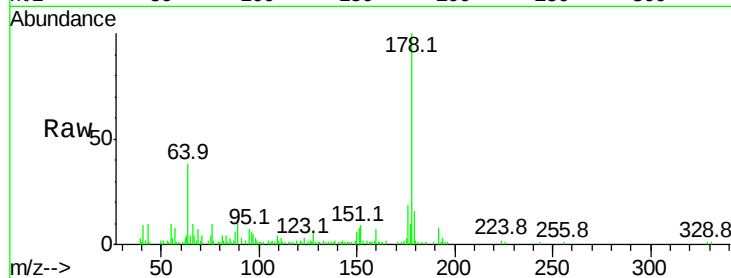
ClientSampleId :

E2-HS5-NSW

Tot Ion:	178	Resp:	39146
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	16.3	12.7	19.1

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#72

Carbazole

Concen: 2.120 ng

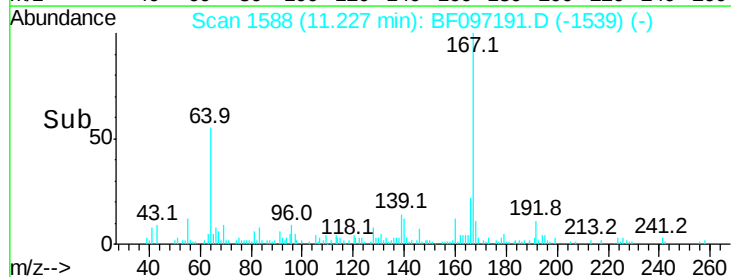
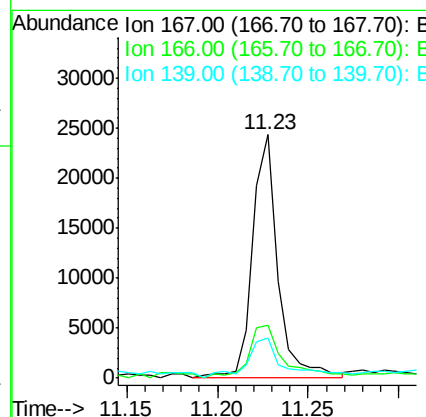
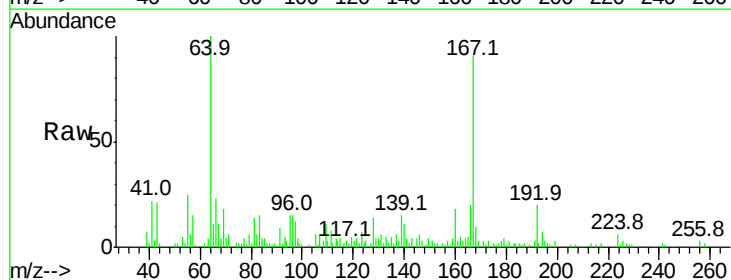
RT: 11.23 min Scan# 1588

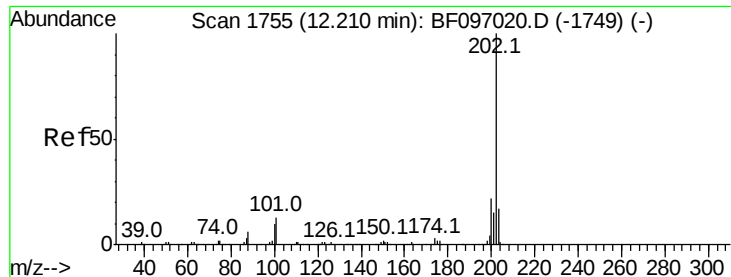
Delta R.T. -0.01 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Tgt Ion:	167	Resp:	23810
Ion Ratio	Lower	Upper	
167	100		
166	21.6	18.1	27.1
139	16.5	11.7	17.5





#74

Fluoranthene

Concen: 37.228 ng

RT: 12.20 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Instrument :

BNA_F

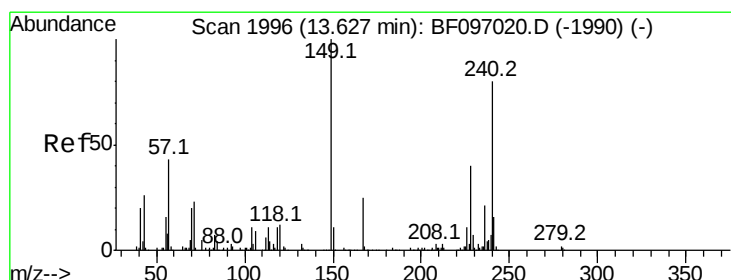
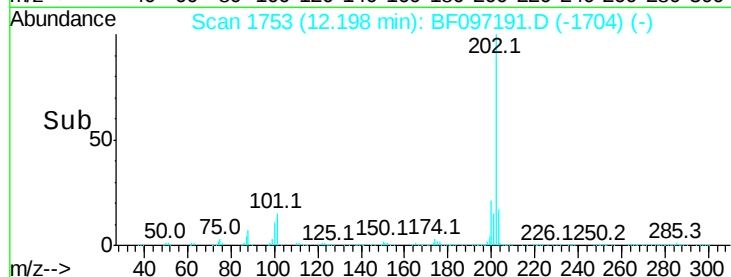
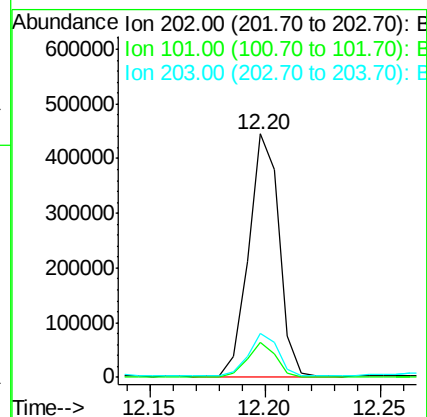
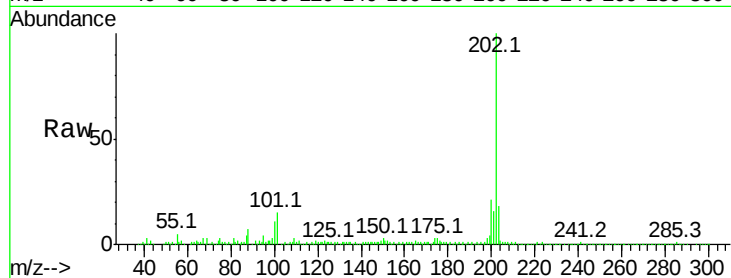
ClientSampleId :

E2-HS5-NSW

Tot Ion:	202	Resp:	406653
Ion Ratio		Lower	Upper
202	100		
101	14.6	0.0	33.2
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

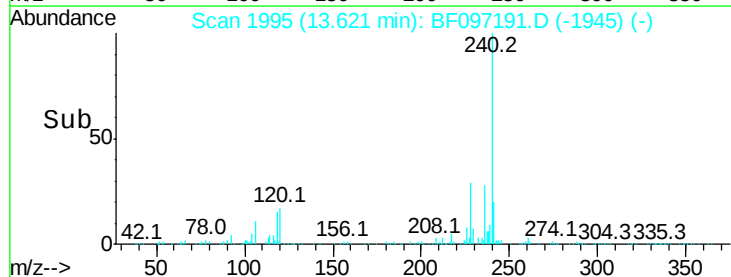
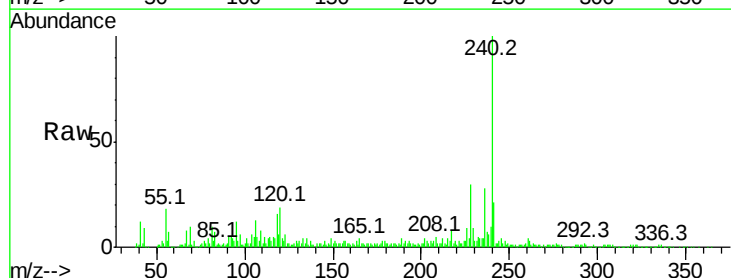
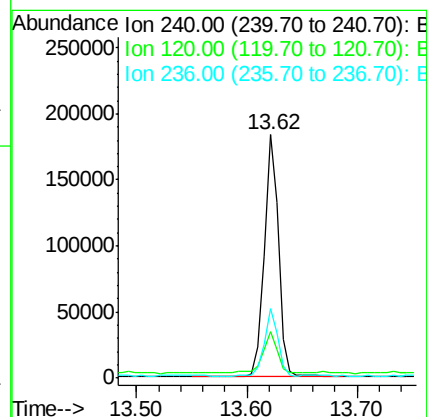
RT: 13.62 min Scan# 1995

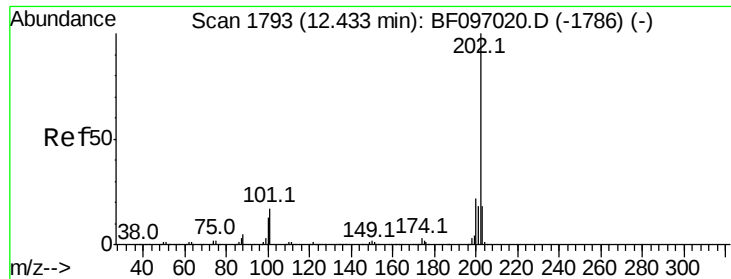
Delta R.T. -0.01 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Tgt Ion:	240	Resp:	166929
Ion Ratio		Lower	Upper
240	100		
120	19.1	5.8	8.8#
236	28.4	20.5	30.7





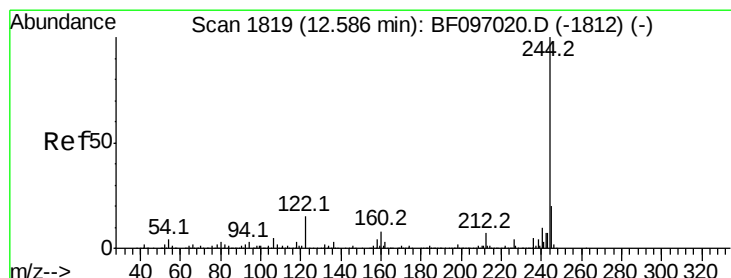
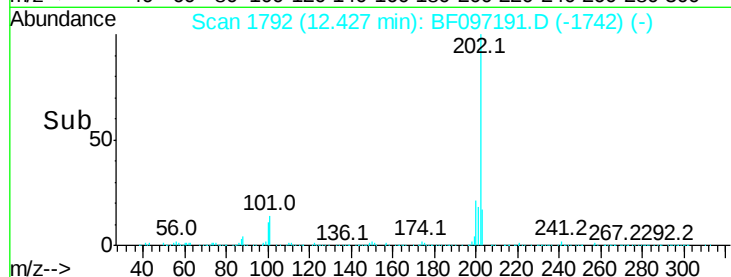
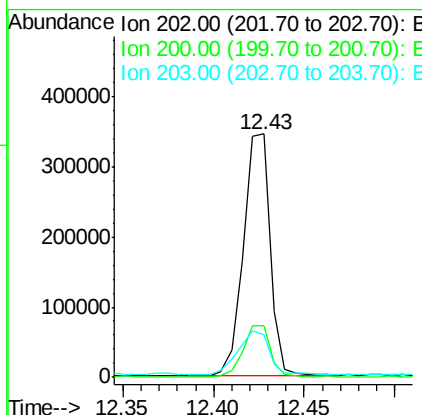
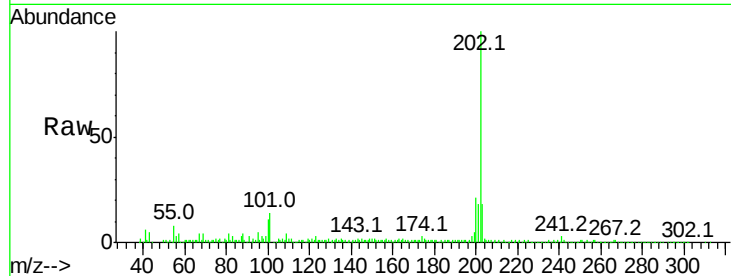
#77
Pvrene
Concen: 25.762 ng
RT: 12.43 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Instrument :
BNA_F
ClientSampleId :
E2-HS5-NSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.6	14.4	21.6

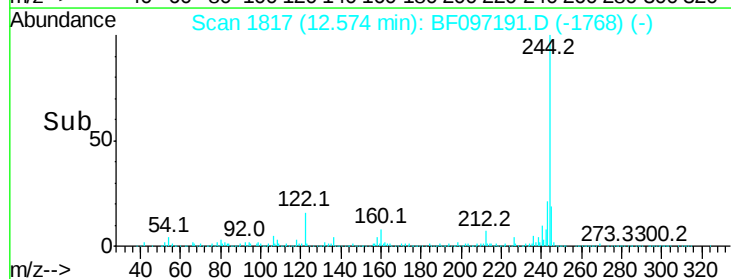
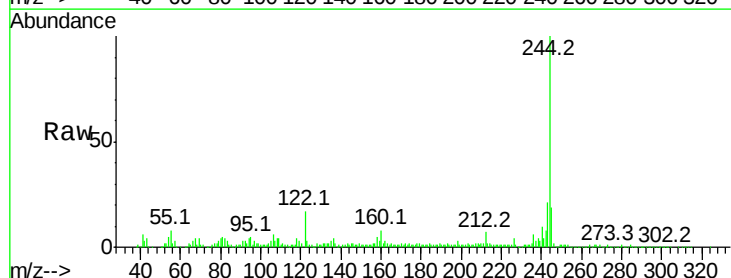
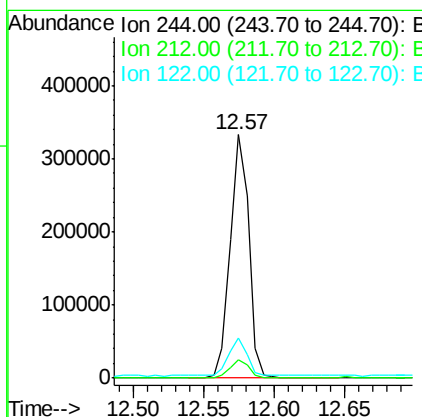
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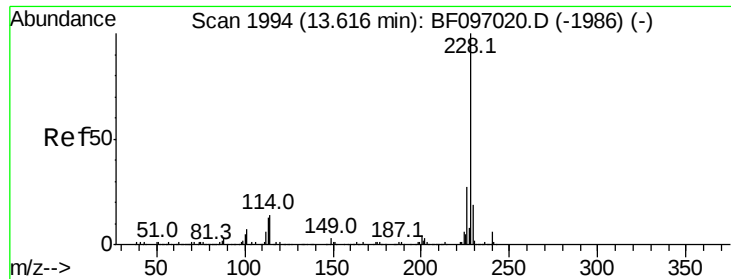
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#78
Terphenyl-d14
Concen: 37.314 ng
RT: 12.57 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	16.6	10.3	15.5#





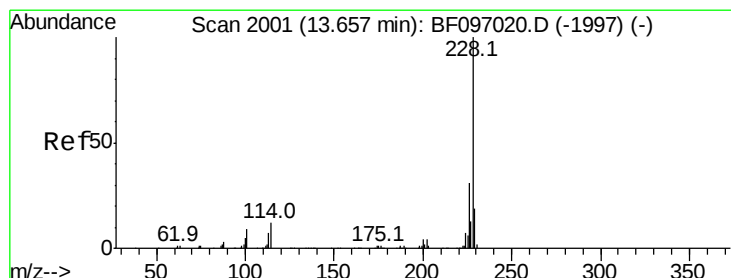
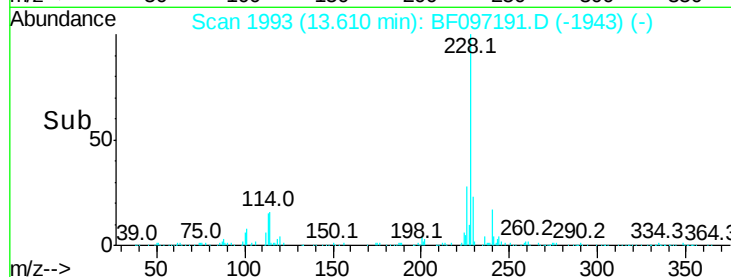
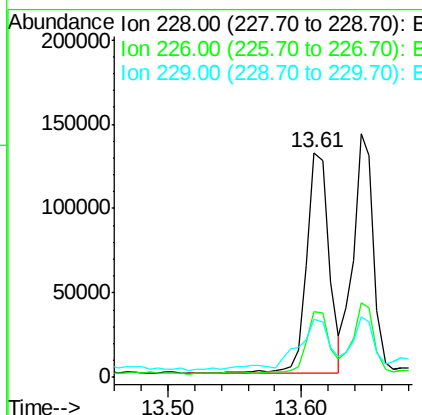
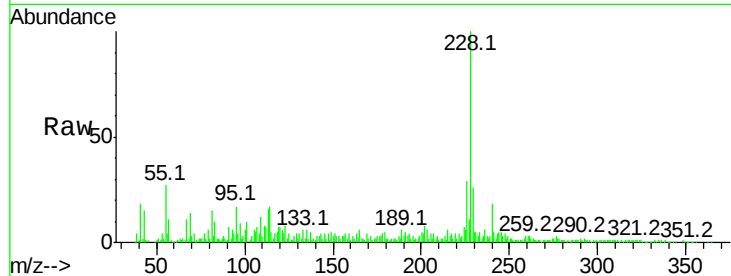
#80
Benzo(a)anthracene
Concen: 14.004 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Instrument :
BNA_F
ClientSampleId :
E2-HS5-NSW

Tot Ion	Ratio	Resp	Lower	Upper
228	100	151262		
226	29.0	22.6	33.8	
229	25.6	16.3	24.5	

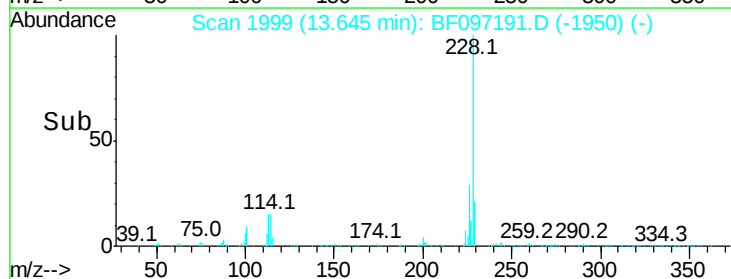
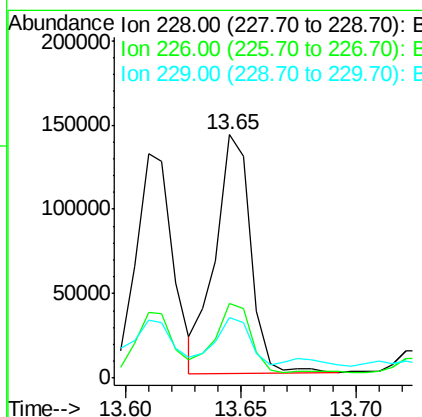
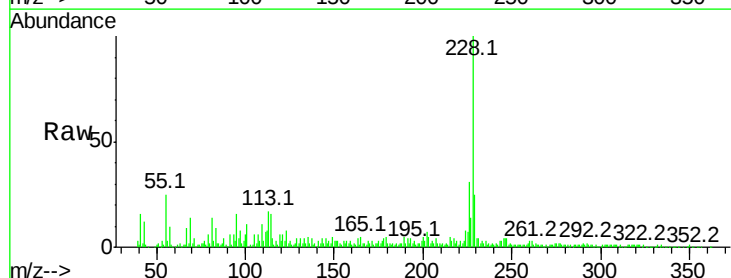
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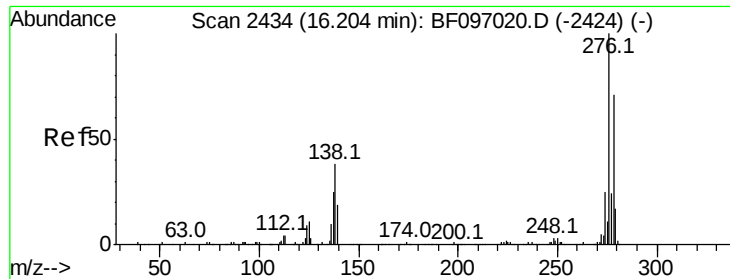
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#82
Chrysene
Concen: 14.252 ng
RT: 13.65 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097191.D
Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	150315		
226	30.6	24.9	37.3	
229	24.8	15.8	23.6	





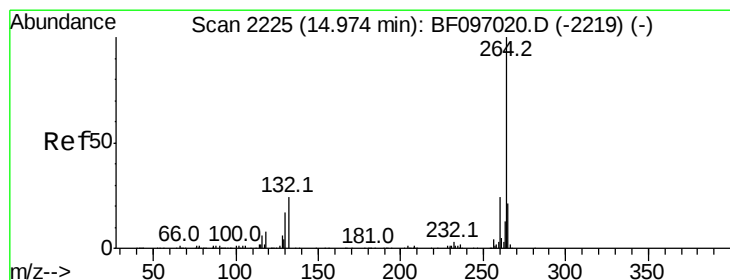
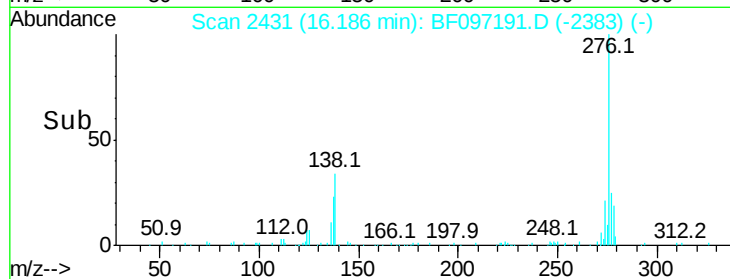
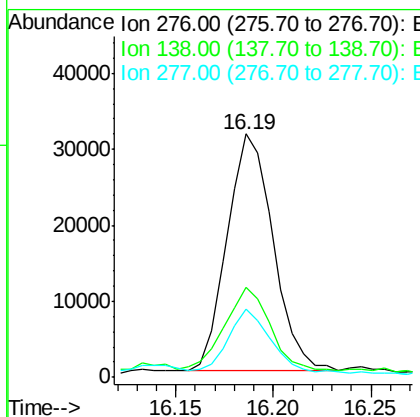
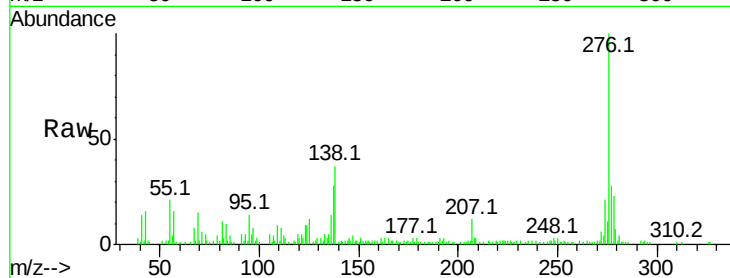
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.666 ng
 RT: 16.19 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-NSW

Tot Ion:	276	Resp:	51241
Ion Ratio	Lower	Upper	
276	100		
138	34.3	27.8	41.6
277	24.9	20.2	30.4

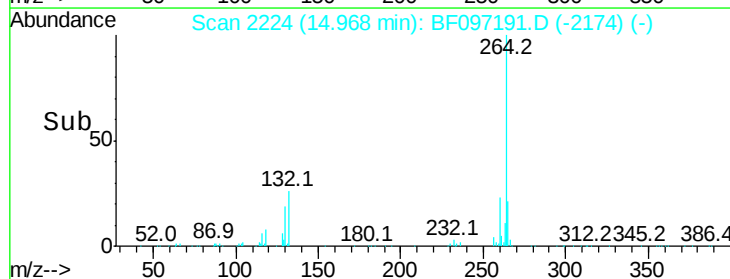
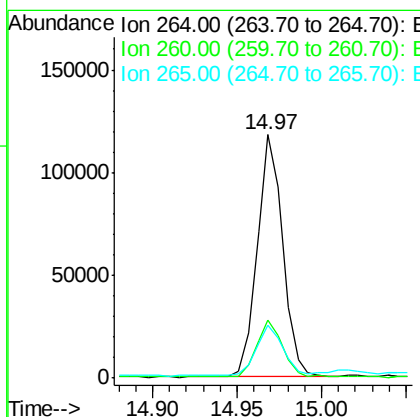
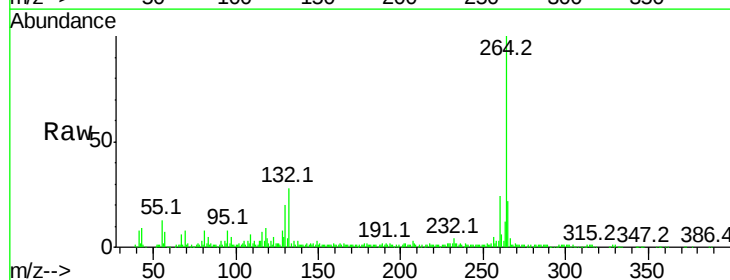
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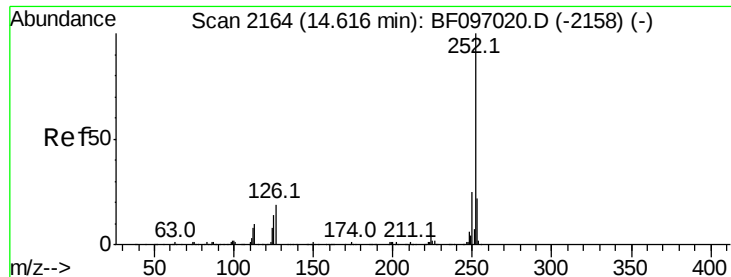
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Tgt Ion:	264	Resp:	124146
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	21.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 19.007 ng m

RT: 14.62 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Instrument :

BNA_F

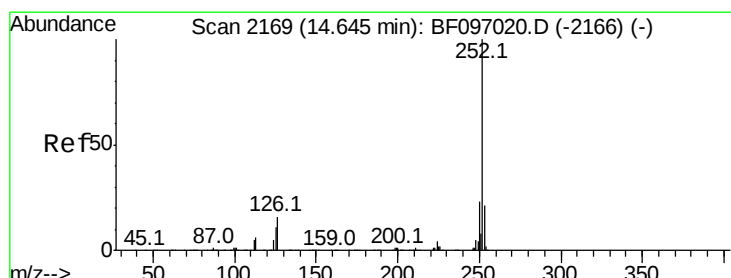
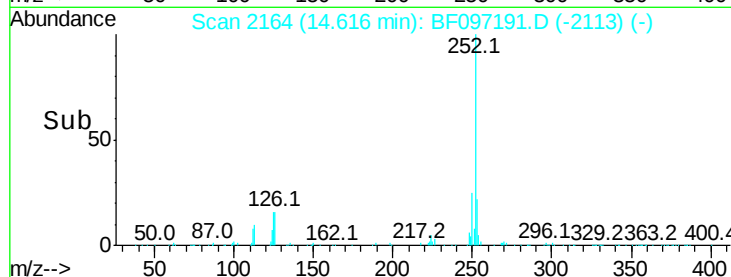
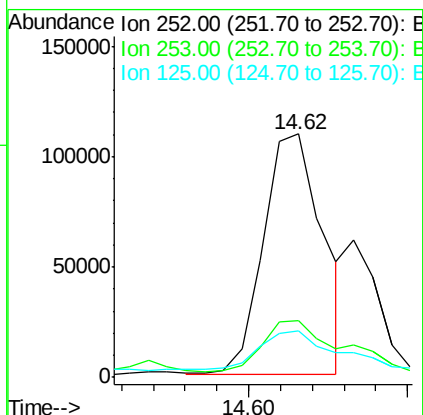
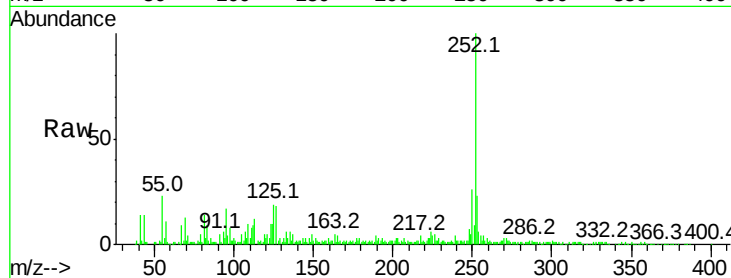
ClientSampleId :

E2-HS5-NSW

Tot Ion:	252	Resp:	141840
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	18.9	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 6.136 ng m

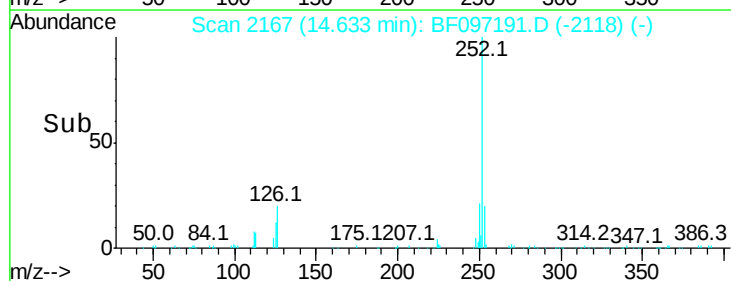
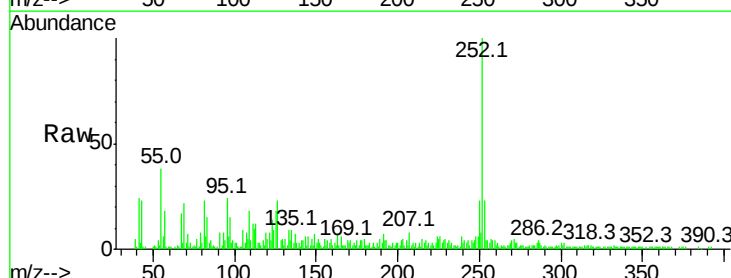
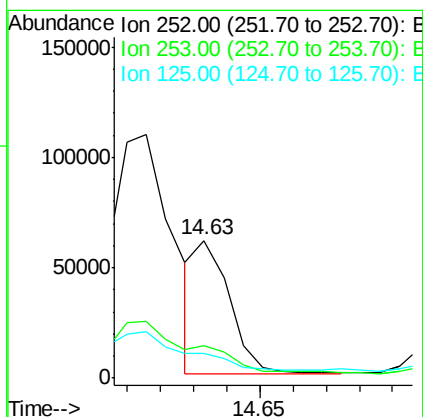
RT: 14.63 min Scan# 2167

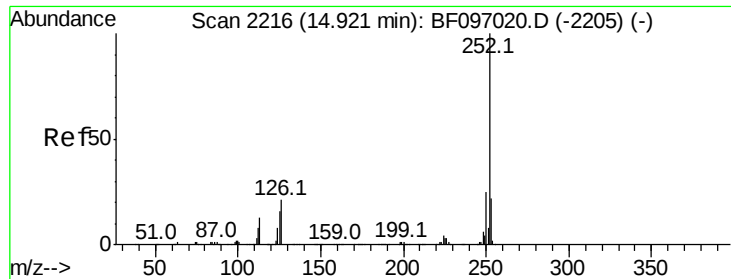
Delta R.T. -0.01 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Tgt Ion:	252	Resp:	43636
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.4	27.6
125	18.1	13.1	19.7





#89

Benzo(a)pyrene

Concen: 14.911 ng

RT: 14.92 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Instrument :

BNA_F

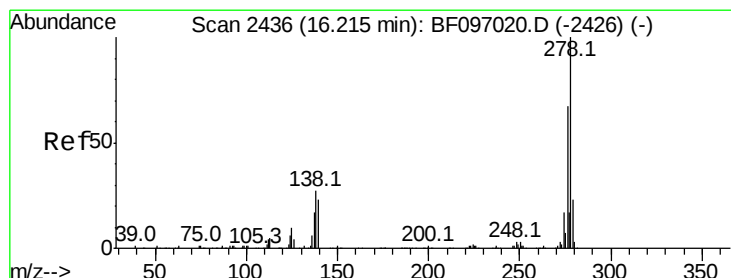
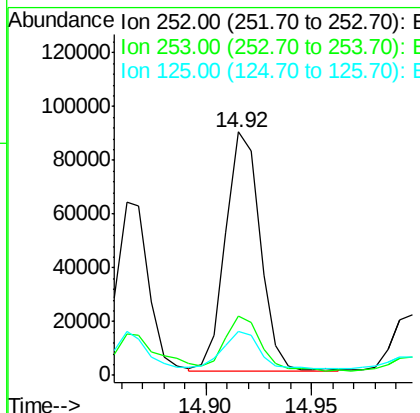
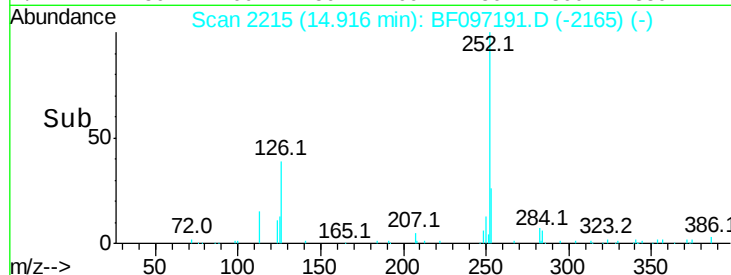
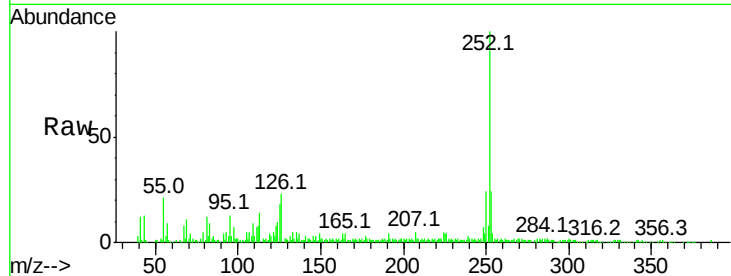
ClientSampleId :

E2-HS5-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	18.1	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.464 ng

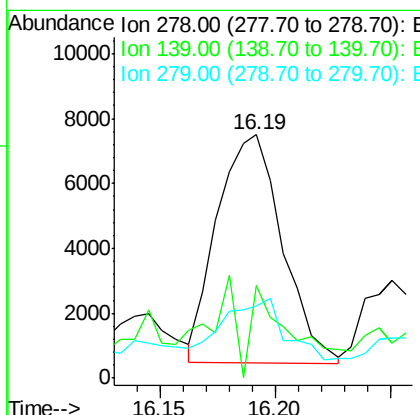
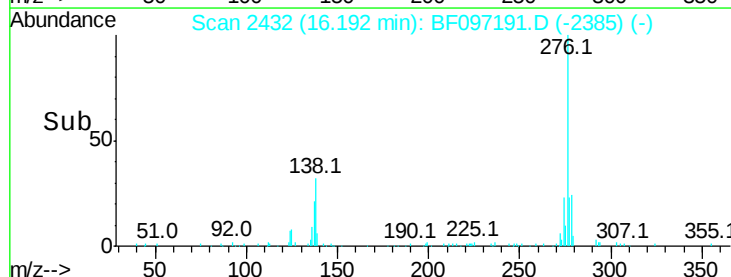
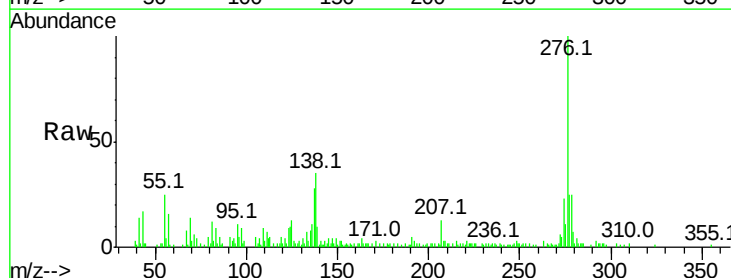
RT: 16.19 min Scan# 2432

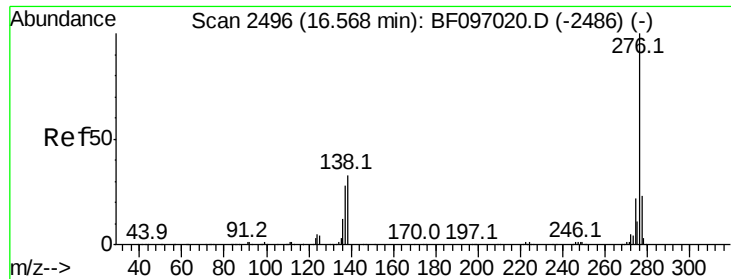
Delta R.T. -0.02 min

Lab File: BF097191.D

Acq: 29 Jul 2017 9:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.3	16.6	24.8
279	29.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 8.363 ng
 RT: 16.55 min Scan# 2493
 Delta R.T. -0.02 min
 Lab File: BF097191.D
 Acq: 29 Jul 2017 9:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-NSW

Tot Ion:	276	Resp:	49122
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.6	28.0
138	35.0	25.4	38.0

Manual Integrations
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