

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093207.D
 Acq On : 27 Feb 2017 14:26
 Operator : SJ/MA
 Sample : I1972-19 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Manual Integrations
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Quant Time: Feb 27 15:34:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	153161	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	543965	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	200499	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	294287	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	347830	20.00	ng	-0.01
86) Perylene-d12	15.44	264	288089	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	129643	14.52	ng	-0.02
7) Phenol-d6	6.48	99	168744	14.69	ng	-0.01
23) Nitrobenzene-d5	7.40	82	87306	8.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	17044	11.75	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	148389	13.41	ng	-0.01
78) Terphenyl-d14	12.95	244	107682	7.27	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.84	142	39932	2.26	ng	97
70) Phenanthrene	11.39	178	59257	3.51	ng	97
74) Fluoranthene	12.58	202	96034	5.52	ng	98
77) Pyrene	12.81	202	108492	4.17	ng	98
80) Benzo(a)anthracene	14.00	228	71218m	3.35	ng	
82) Chrysene	14.03	228	72774m	3.65	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	33120	2.29	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.85	276	36407	2.36	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	125546m	6.62	ng	
89) Benzo(a)pyrene	15.38	252	62455	3.81	ng	# 93
91) Benzo(g,h,i)perylene	17.28	276	42228	3.15	ng	# 83

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

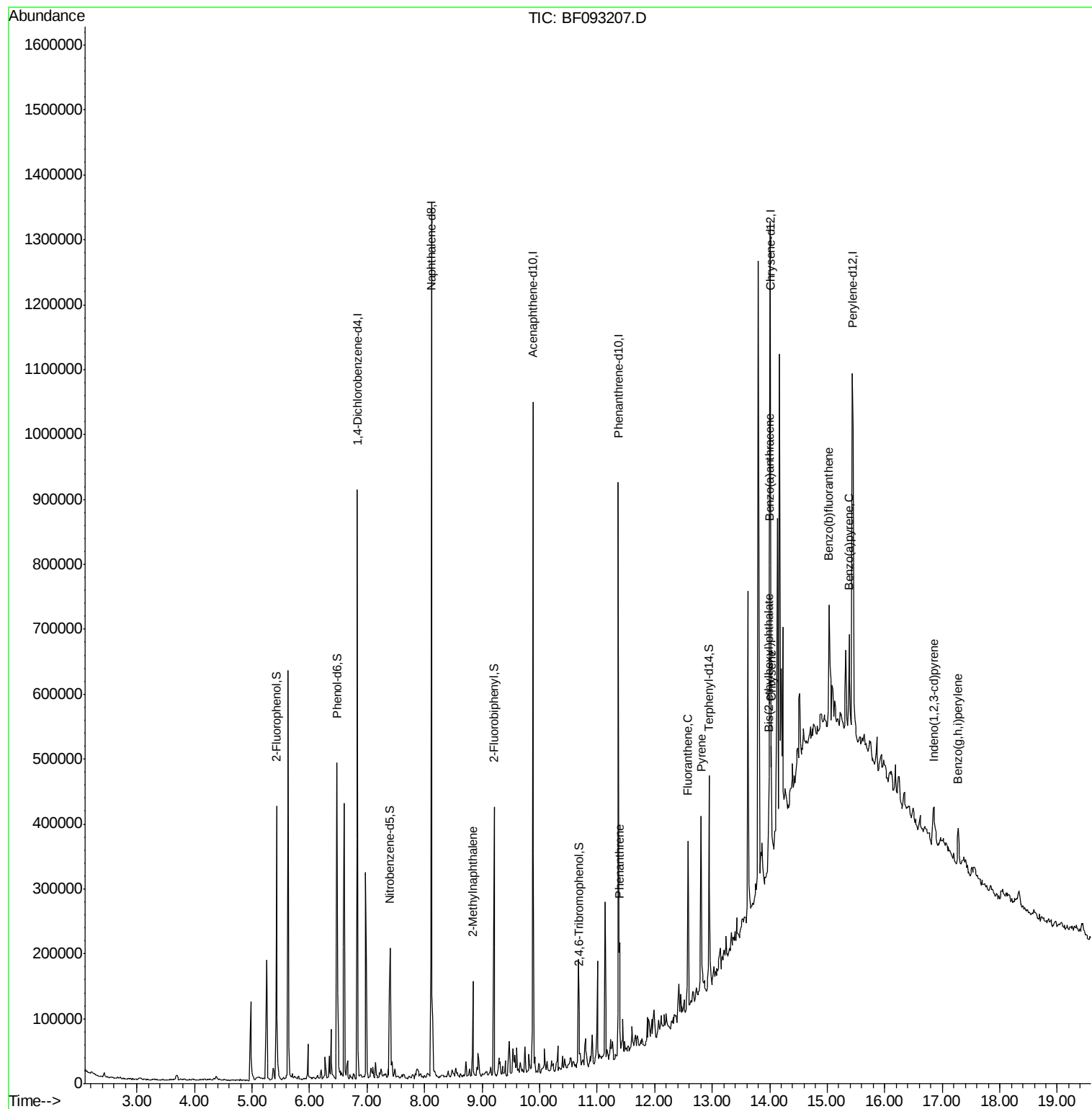
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093207.D
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Operator : SJ/MA
Sample : I1972-19 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

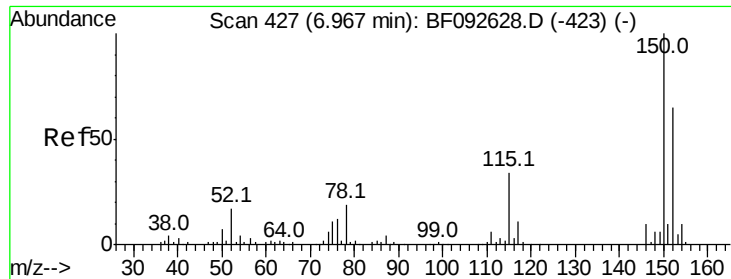
Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

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Quant Time: Feb 27 15:34:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

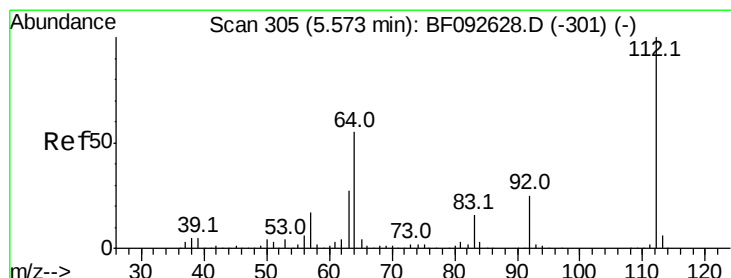
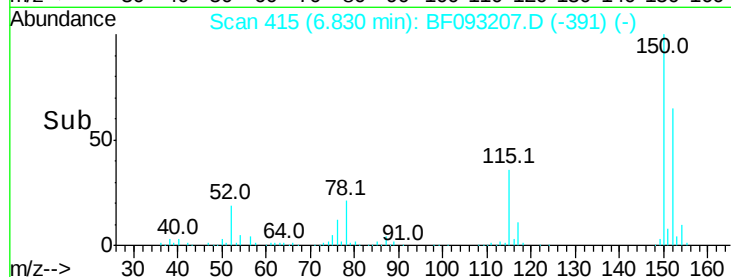
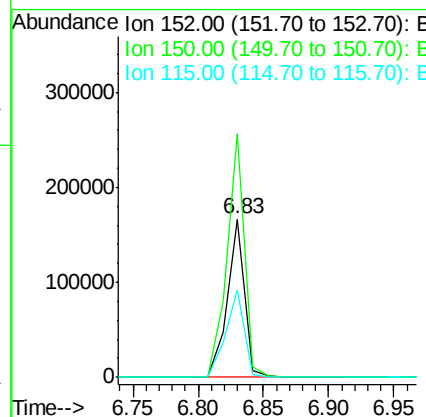
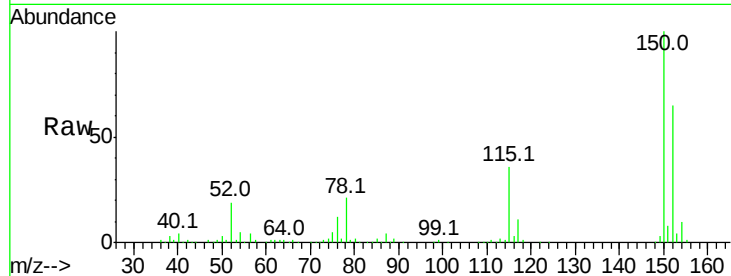
ClientSampleId :

E2-HH5-SW-1

Tot Ion:	152	Resp:	153161
Ion Ratio	Lower	Upper	
152	100		
150	154.2	124.9	187.3
115	55.4	46.0	69.0

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#5

2-Fluorophenol

Concen: 14.52 ng

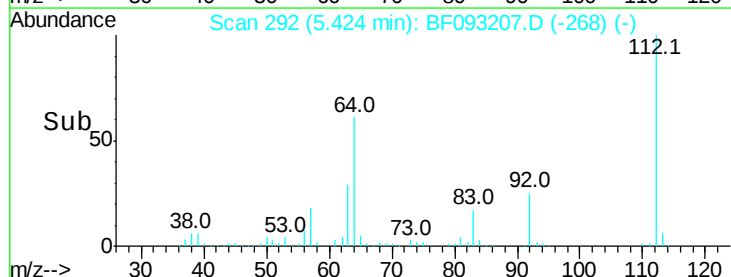
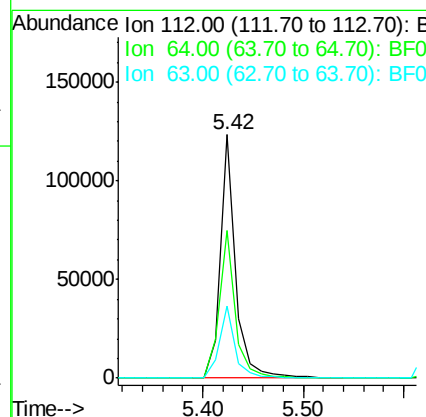
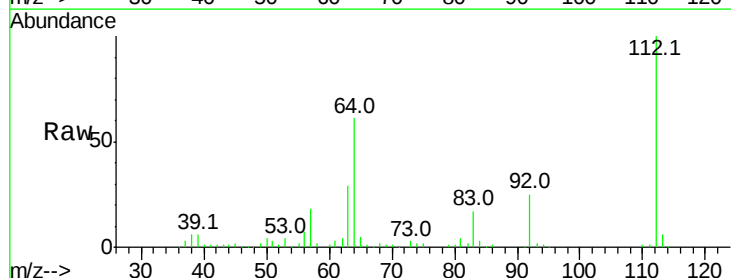
RT: 5.42 min Scan# 292

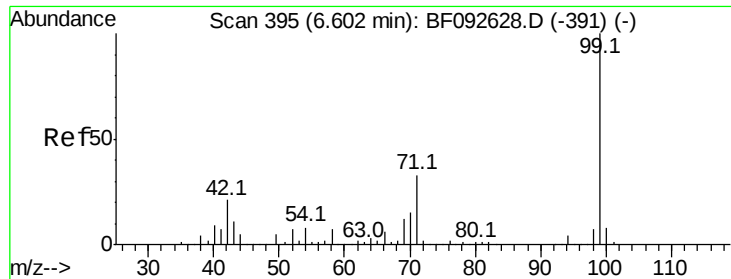
Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion:	112	Resp:	129643
Ion Ratio	Lower	Upper	
112	100		
64	60.5	46.1	69.1
63	29.4	23.8	35.6





#7

Phenol-d6

Concen: 14.69 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

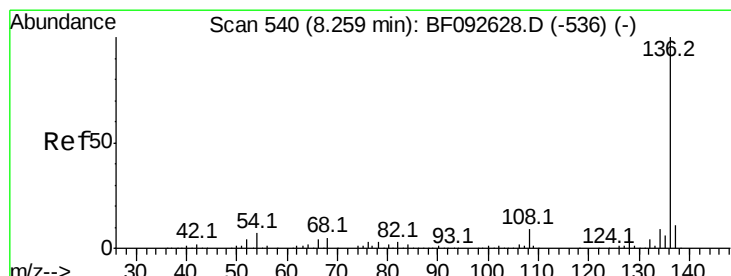
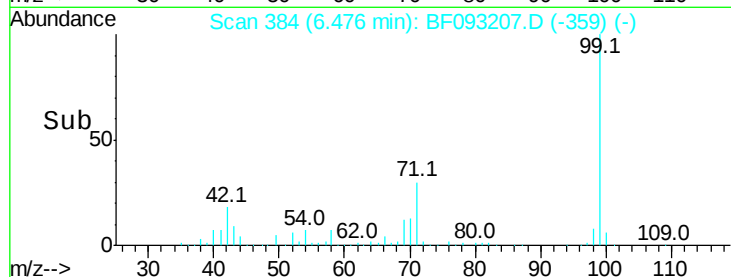
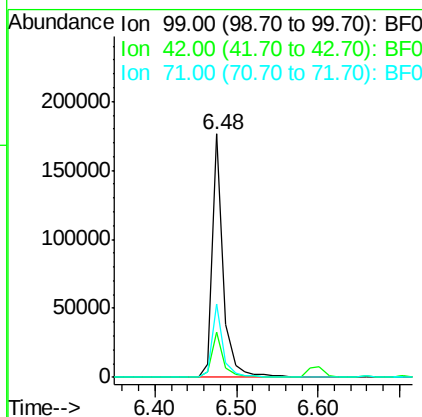
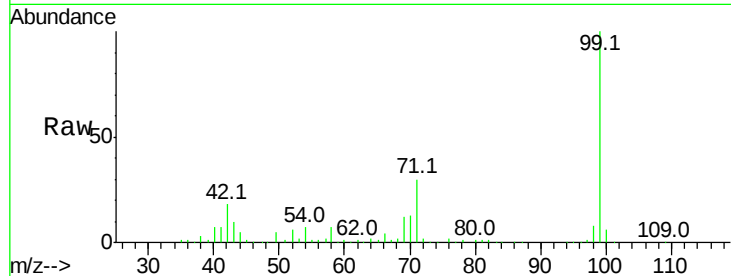
ClientSampleId :

E2-HH5-SW-1

Tot Ion:	99	Resp:	168744
Ion Ratio	Lower	Upper	
99	100		
42	18.4	15.6	23.4
71	30.3	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

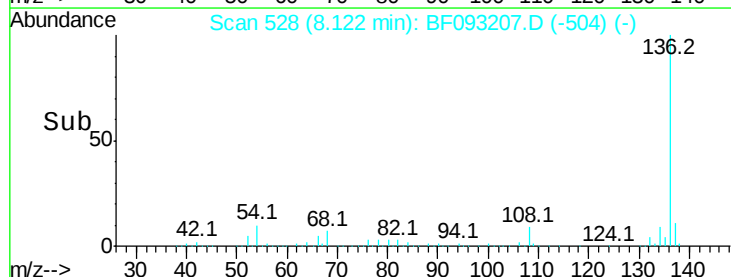
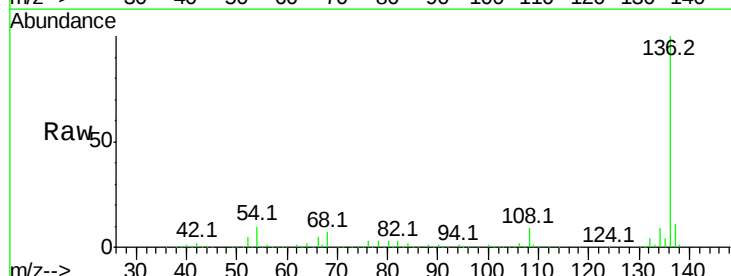
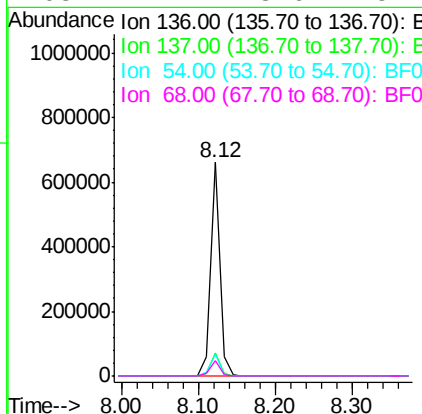
RT: 8.12 min Scan# 528

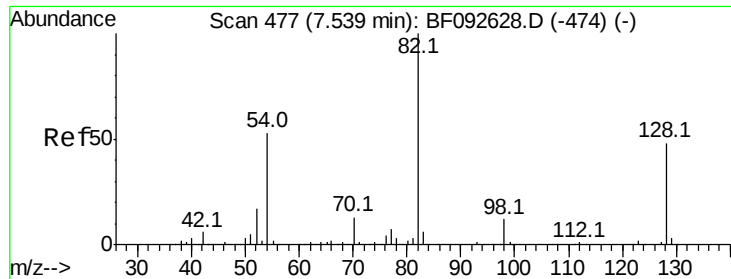
Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion:	136	Resp:	543965
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	10.1	4.5	6.7#
68	7.1	3.6	5.4#





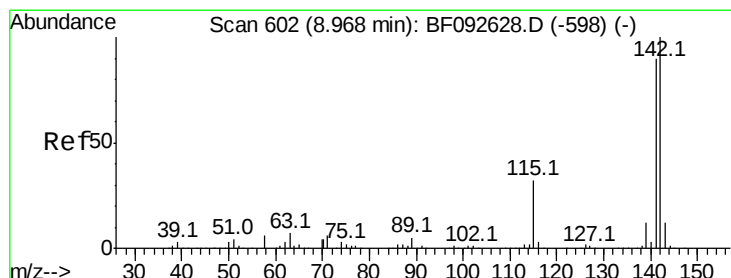
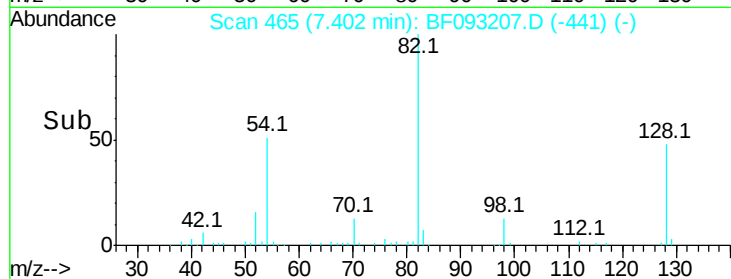
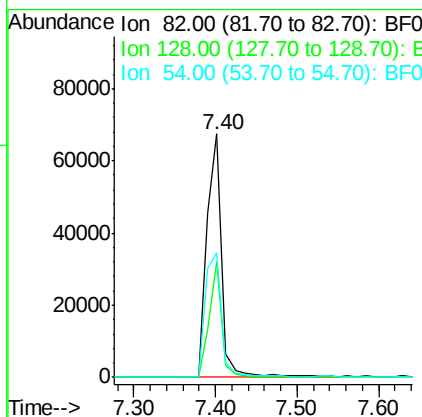
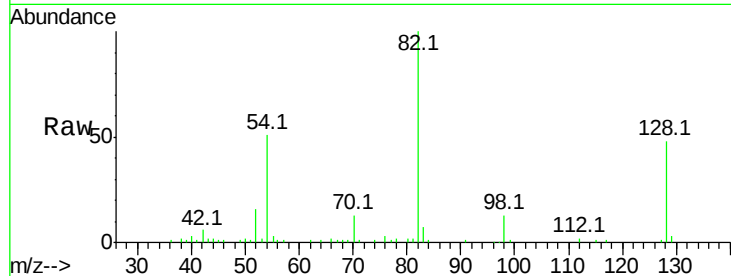
#23
 Nitrobenzene-d5
 Concen: 8.94 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.6	52.0
54	51.0	39.5	59.3

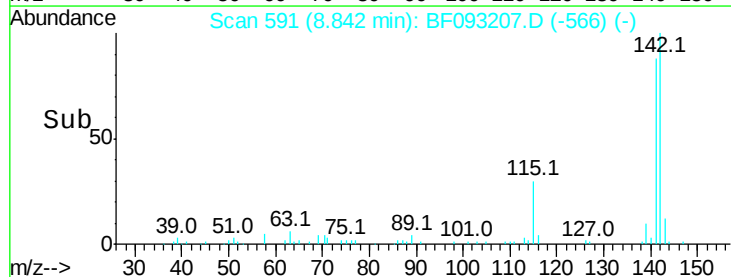
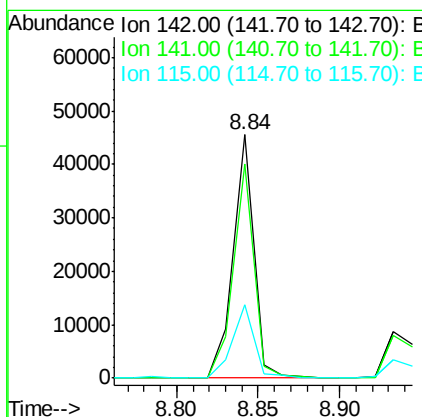
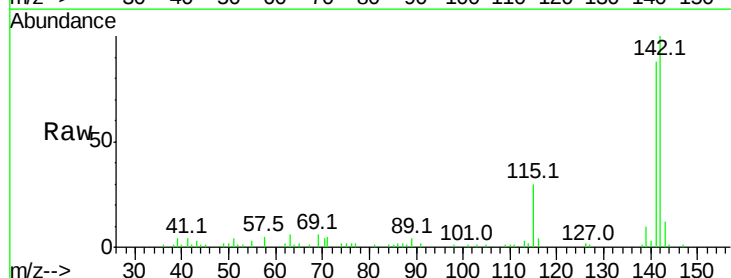
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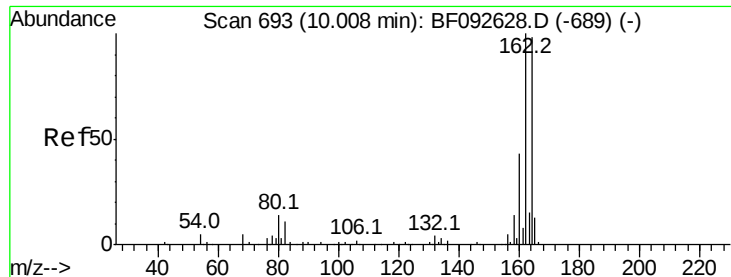
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#37
 2-Methylnaphthalene
 Concen: 2.26 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6
115	29.9	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

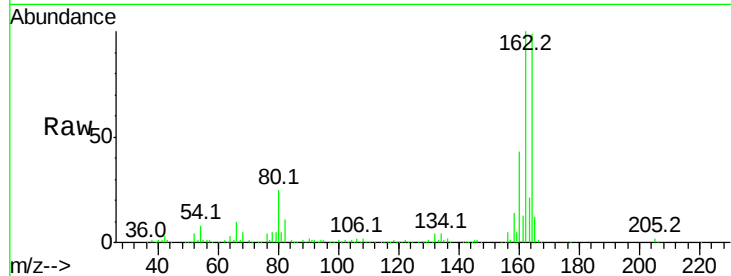
ClientSampleId :

E2-HH5-SW-1

Tot Ion:	164	Resp:	200499
Ion Ratio	Lower	Upper	
164	100		
162	101.5	80.2	120.2
160	44.1	36.9	55.3

Manual Integrations
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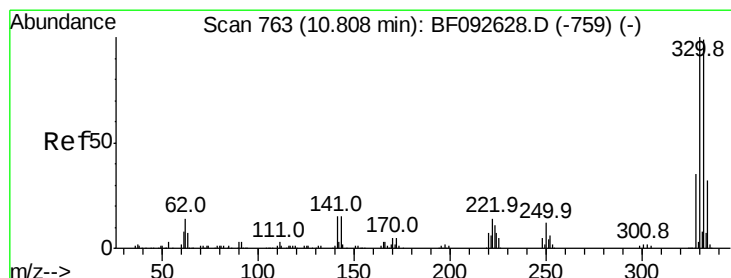
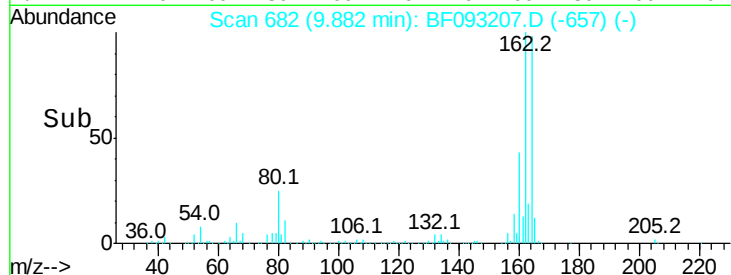
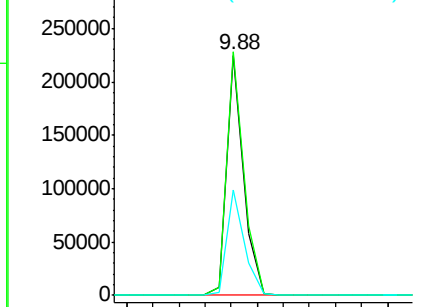
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 11.75 ng

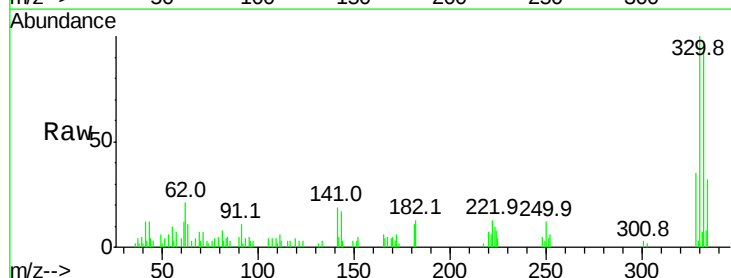
RT: 10.68 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

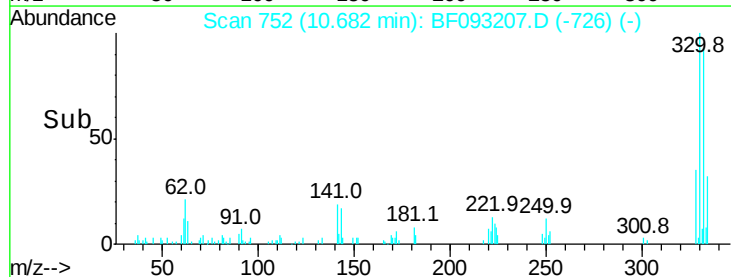
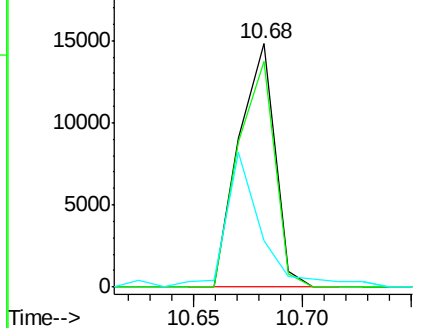
Tgt Ion:	330	Resp:	17044
Ion Ratio	Lower	Upper	
330	100		
332	94.1	77.4	116.2
141	54.9	34.1	51.1#

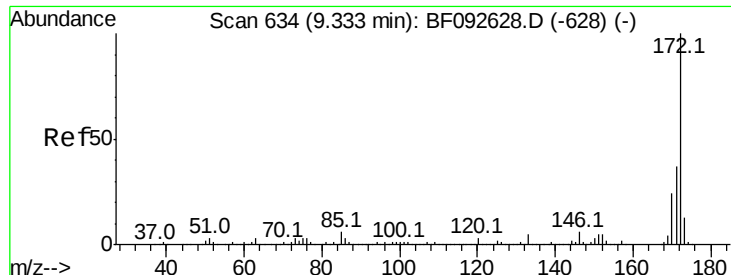


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 13.41 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

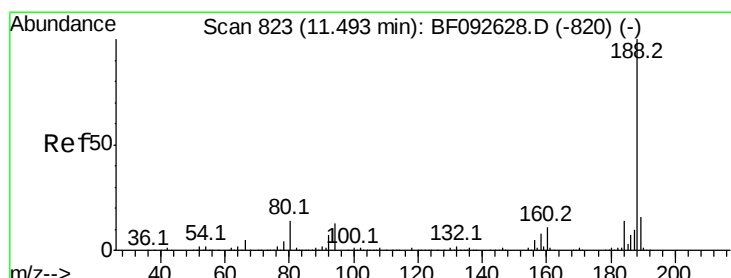
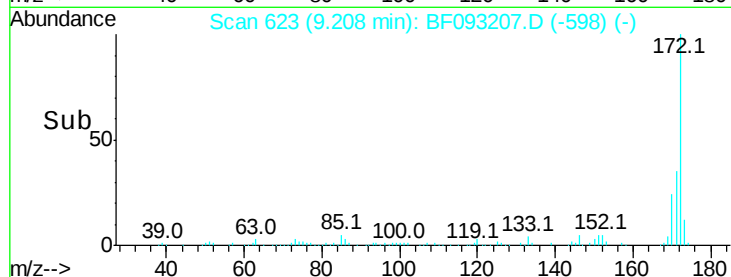
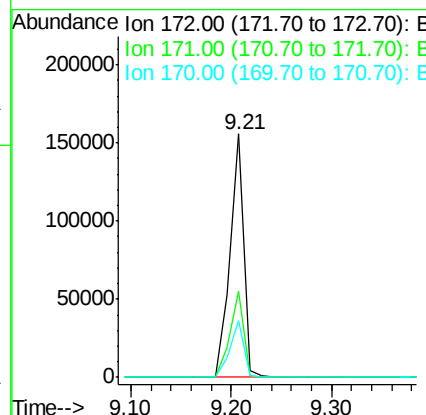
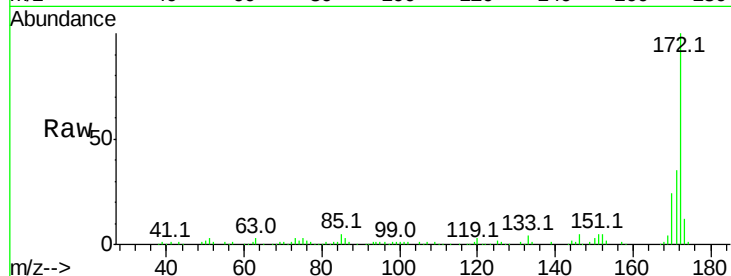
ClientSampleId :

E2-HH5-SW-1

Tot Ion:	172	Resp:	148389
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.4	44.0
170	23.5	20.2	30.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

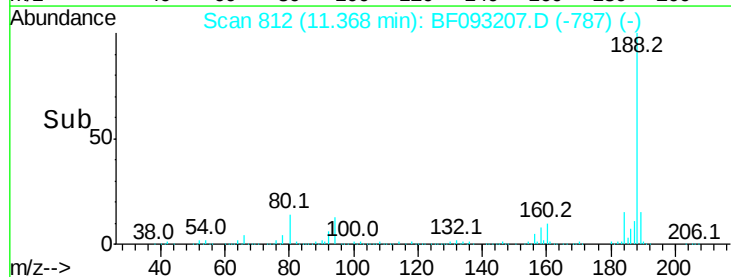
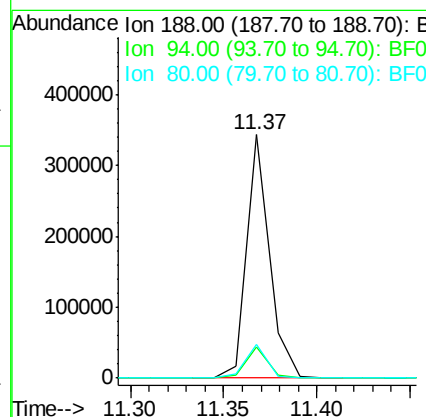
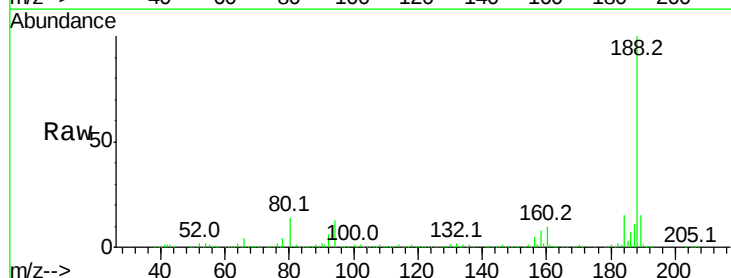
RT: 11.37 min Scan# 812

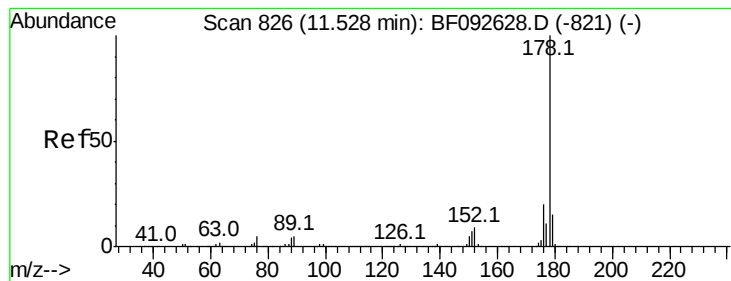
Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion:	188	Resp:	294287
Ion Ratio	Lower	Upper	
188	100		
94	12.7	10.0	15.0
80	14.0	11.2	16.8





#70

Phenanthrene

Concen: 3.51 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

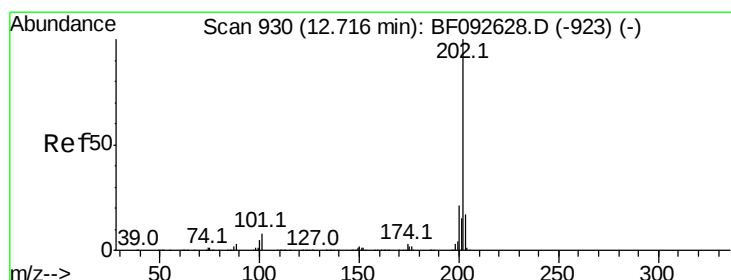
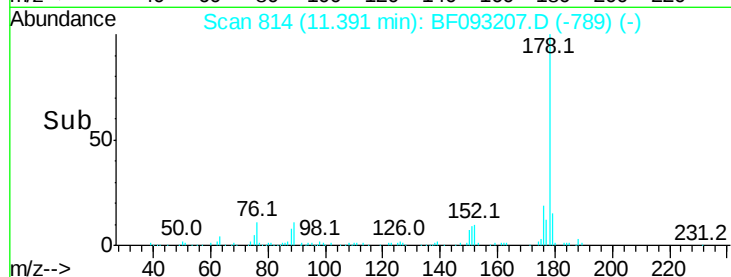
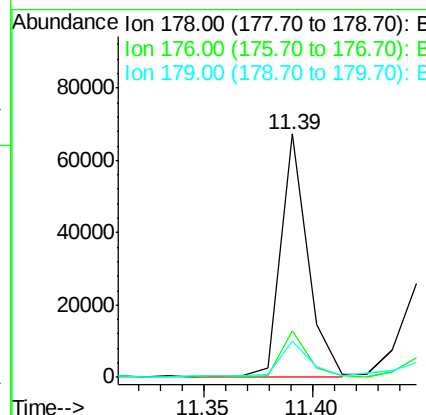
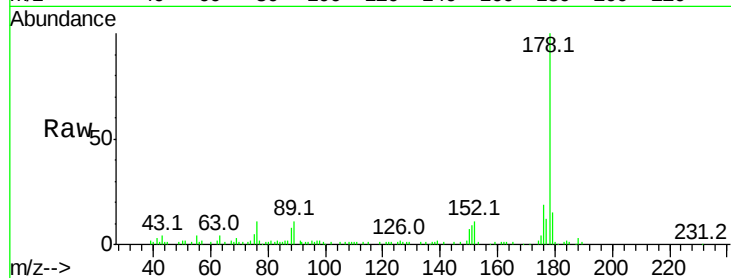
ClientSampleId :

E2-HH5-SW-1

Tot Ion:	178	Resp:	59257
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.6	25.0
179	14.7	12.8	19.2

Manual Integrations
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#74

Fluoranthene

Concen: 5.52 ng

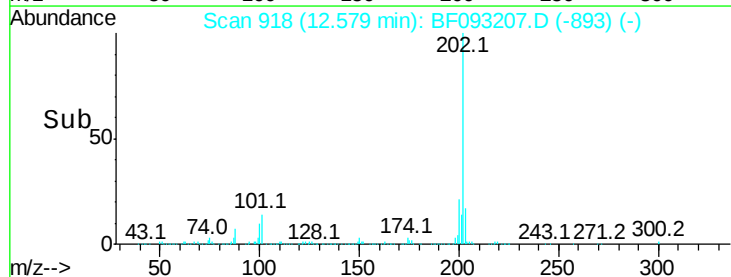
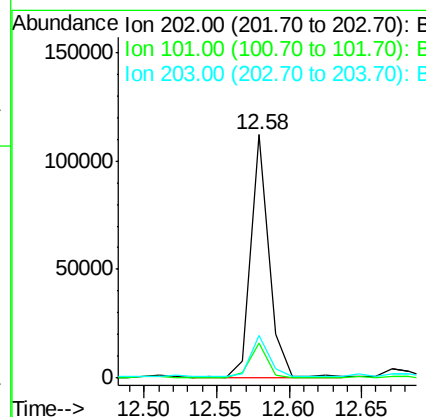
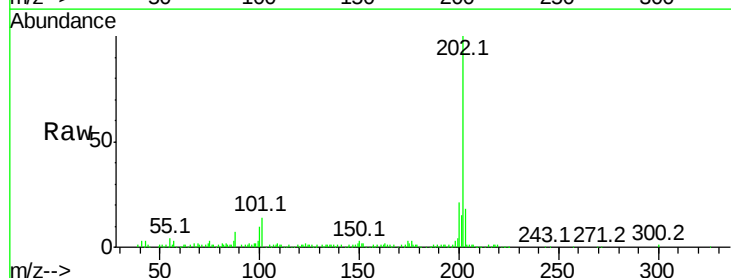
RT: 12.58 min Scan# 918

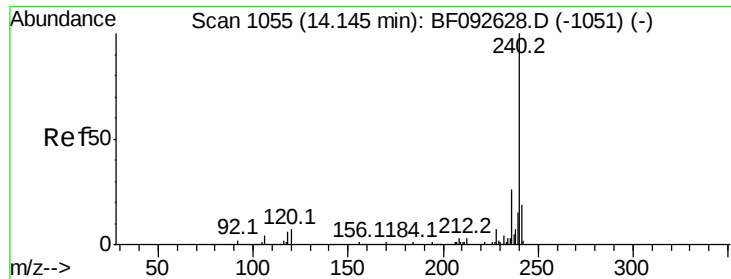
Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion:	202	Resp:	96034
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	34.6
203	17.6	0.0	38.7





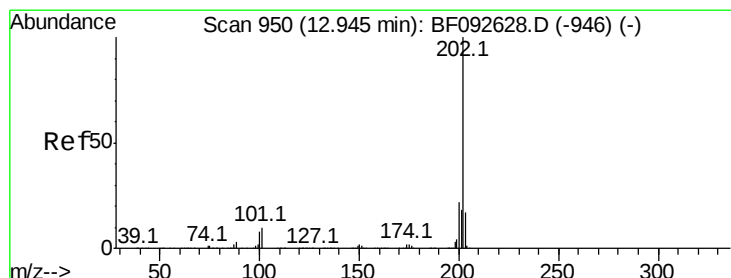
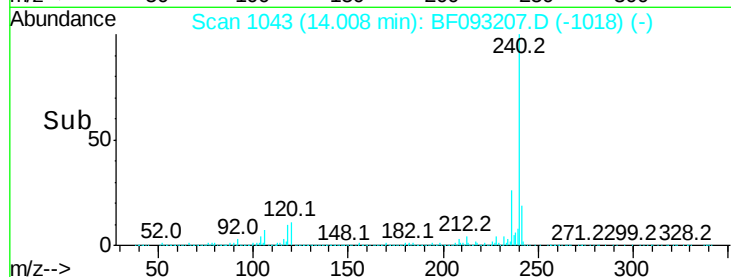
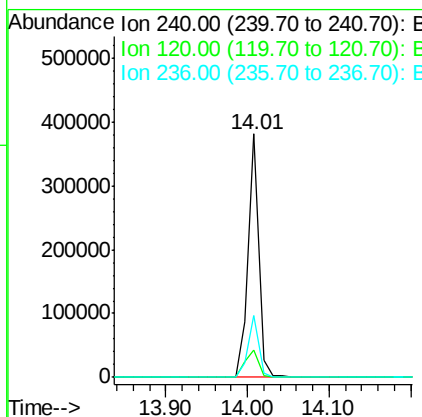
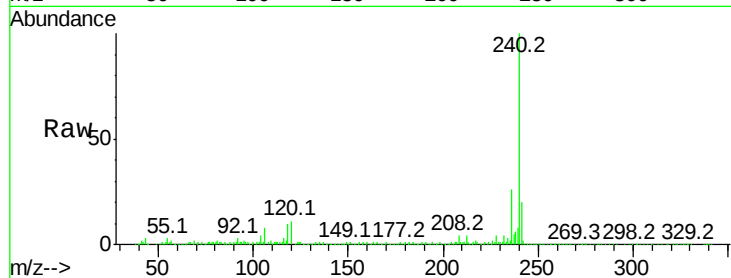
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Instrument :
BNA_F
ClientSampled :
E2-HH5-SW-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	12.9	19.3#
236	25.6	20.9	31.3

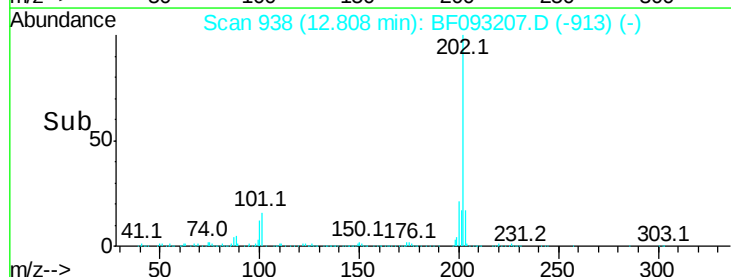
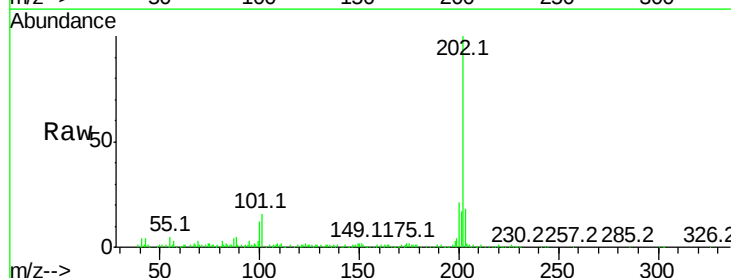
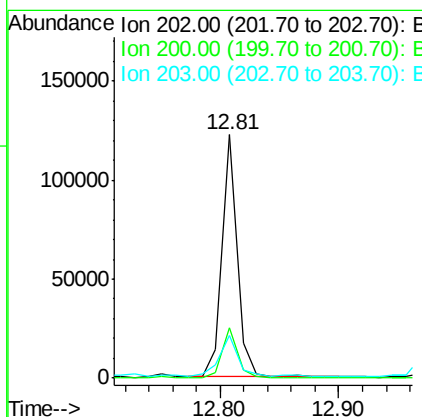
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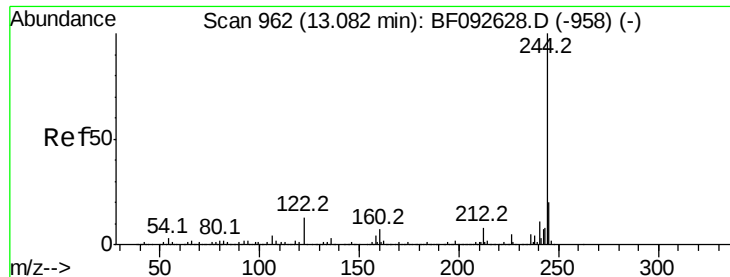
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#77
Pyrene
Concen: 4.17 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.5	14.7	22.1





#78

Terphenyl-d14

Concen: 7.27 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

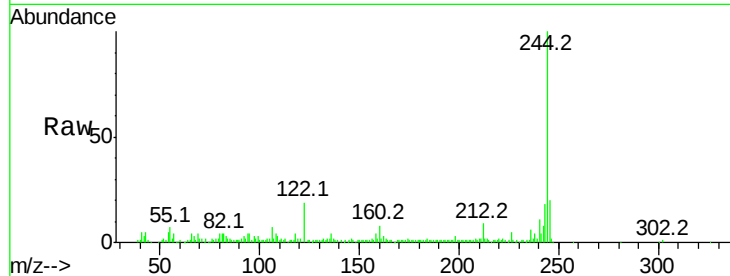
ClientSampleId :

E2-HH5-SW-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.2
122	19.2	11.4	17.2

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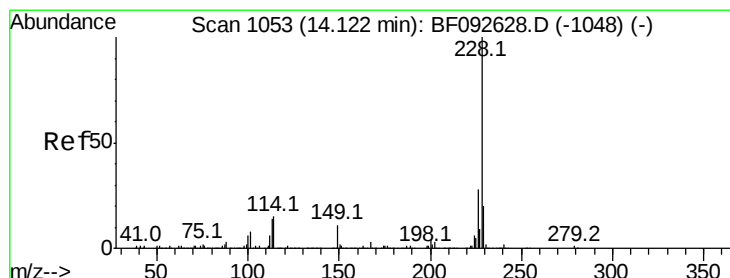
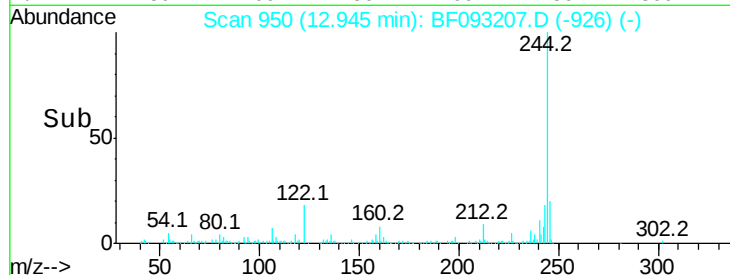
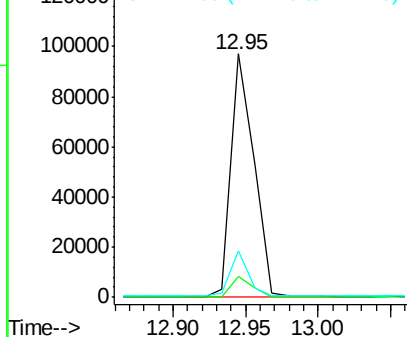
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.35 ng m

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093207.D

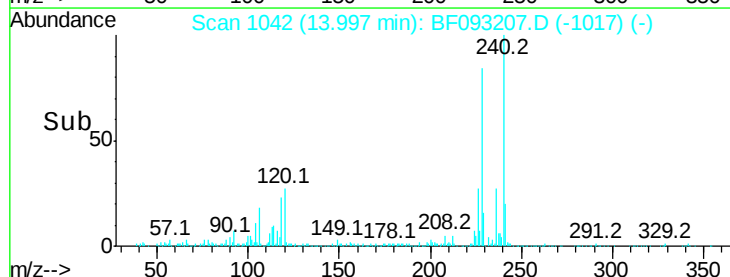
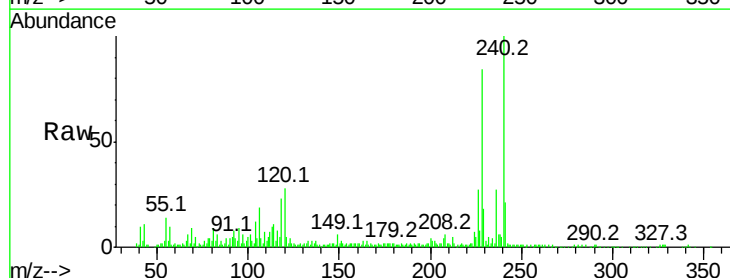
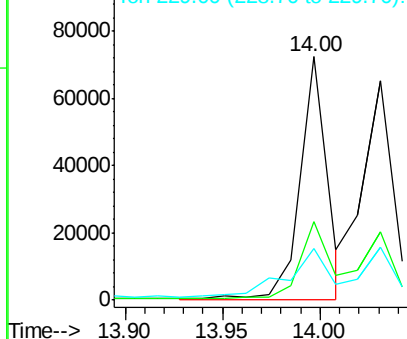
Acq: 27 Feb 2017 14:26

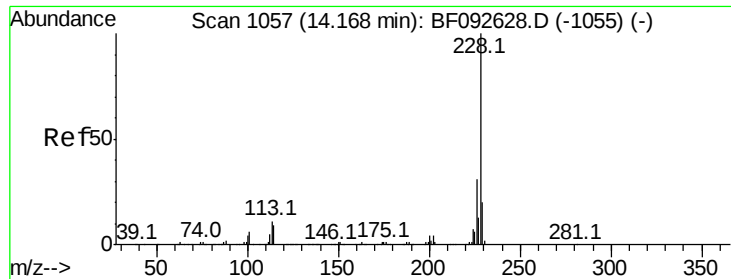
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.4	33.6
229	21.1	16.2	24.4

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





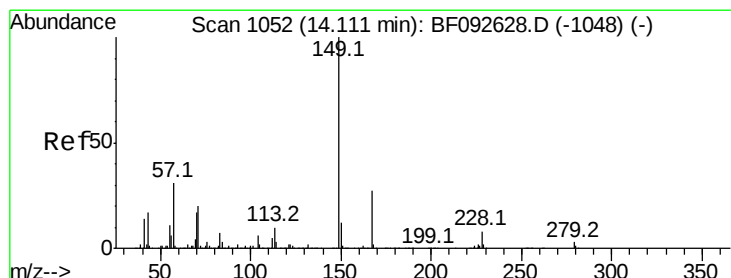
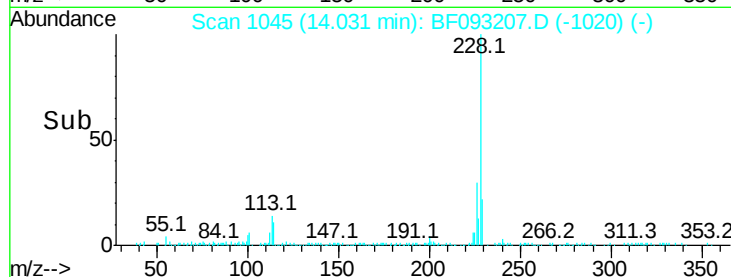
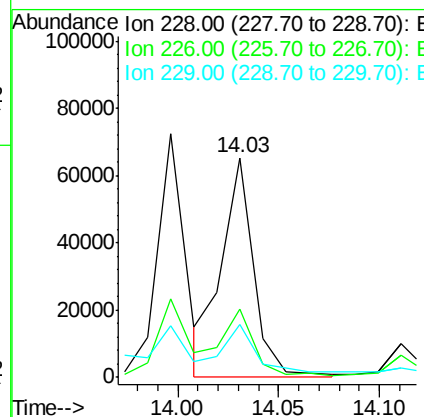
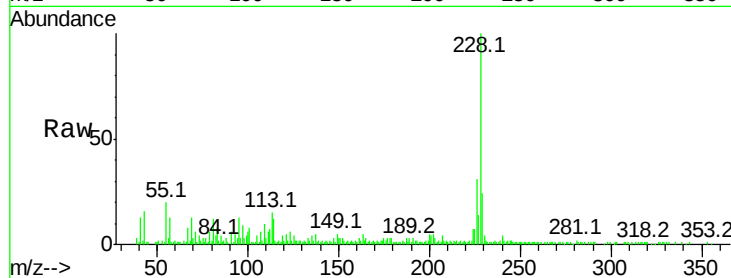
#82
Chrysene
Concen: 3.65 ng/ml
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tot Ion:	228	Resp:	72774
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.4	38.0
229	24.2	16.2	24.2

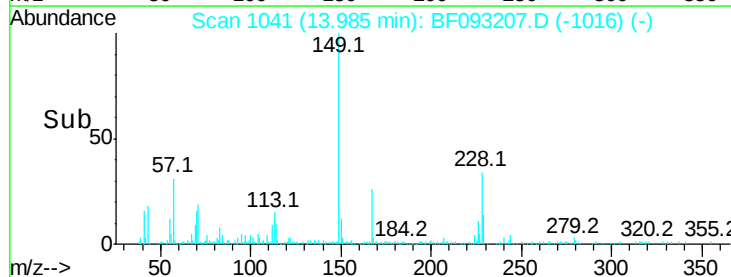
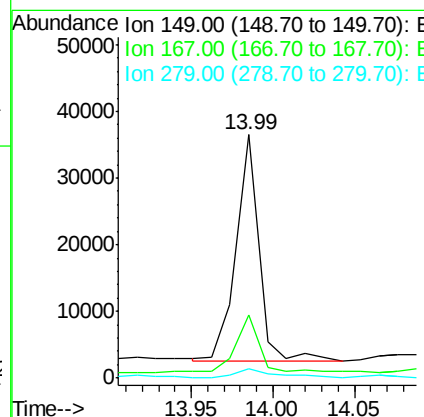
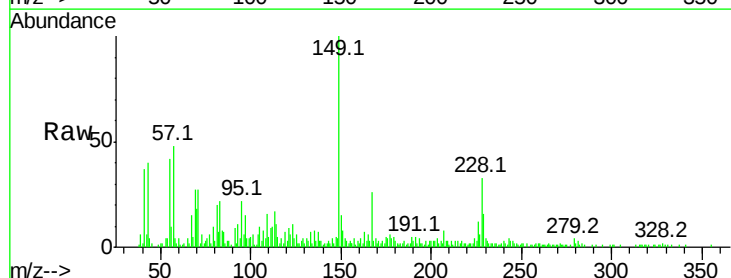
Manual Integrations
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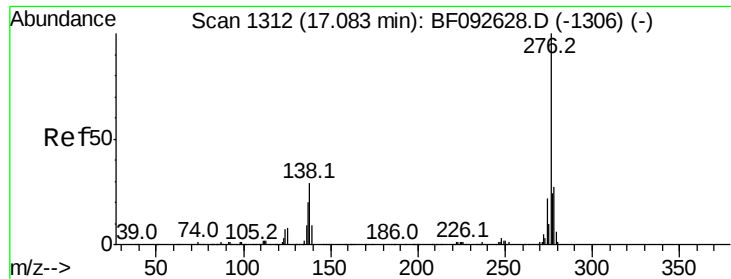
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.29 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Tgt Ion:	149	Resp:	33120
Ion Ratio	Lower	Upper	
149	100		
167	25.7	20.2	30.4
279	3.8	1.8	2.8#





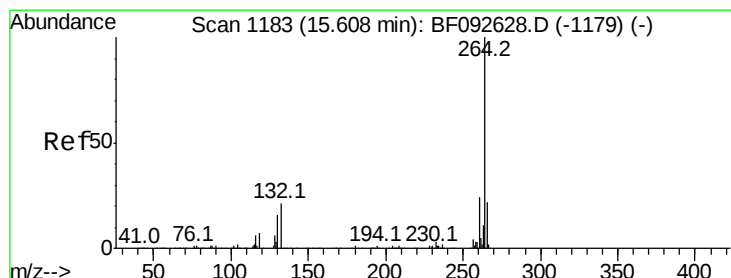
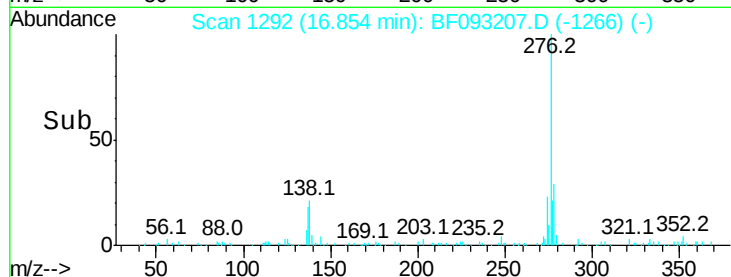
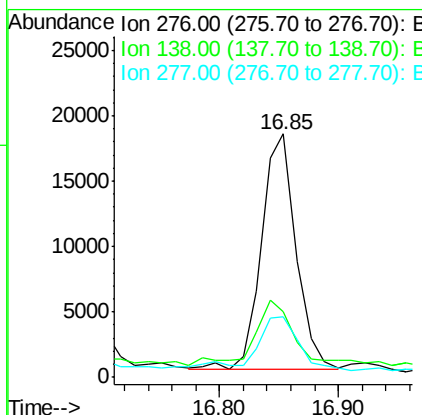
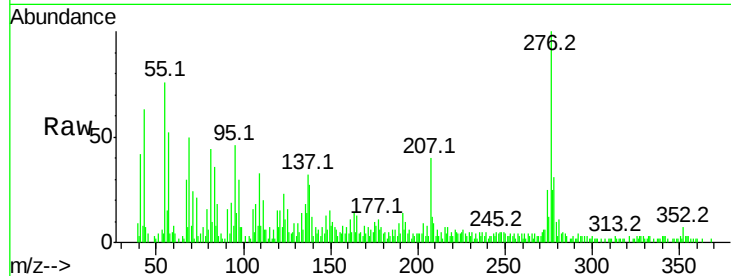
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.36 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	21.8	32.6
277	29.5	20.2	30.4

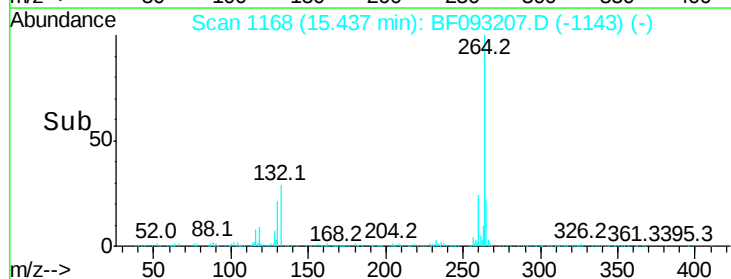
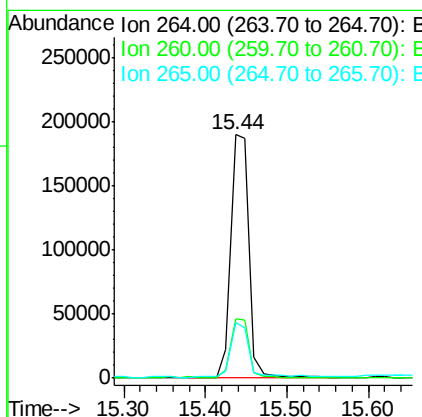
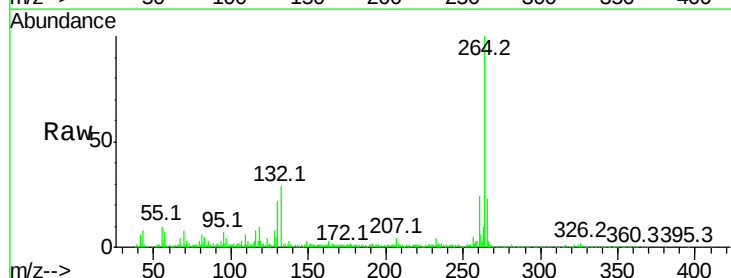
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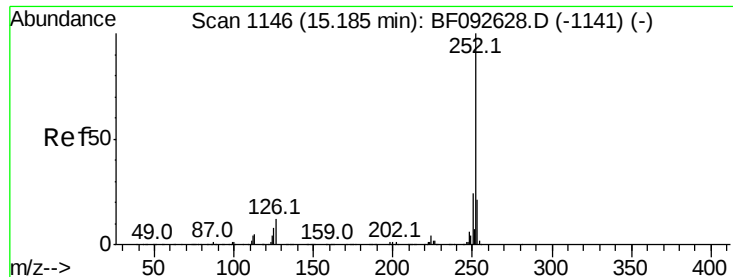
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.7	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 6.62 ng m

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

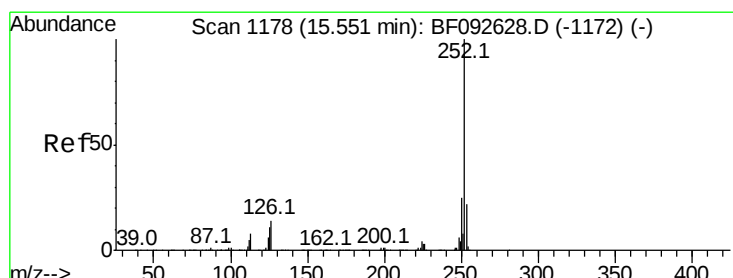
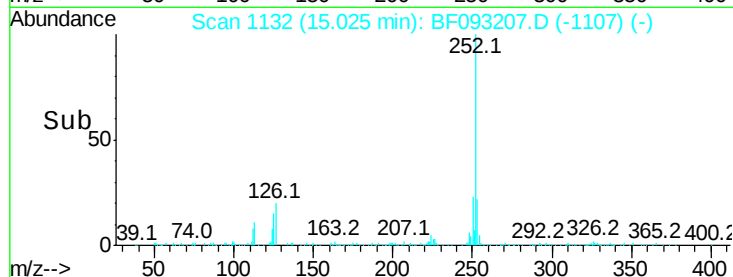
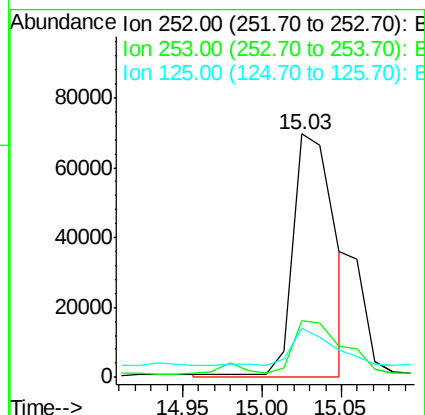
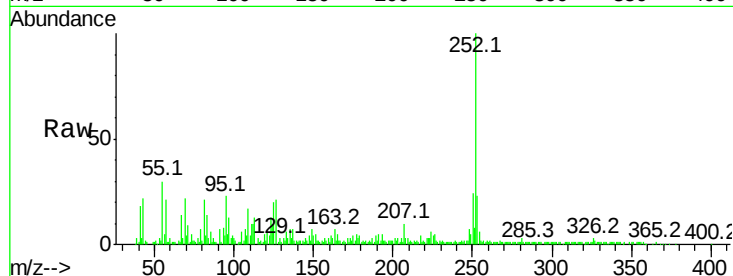
ClientSampleId :

E2-HH5-SW-1

Tot Ion:	252	Resp:	125546
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.4
125	20.0	9.8	14.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.81 ng

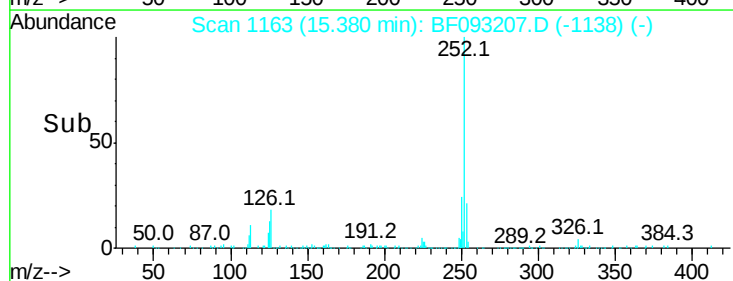
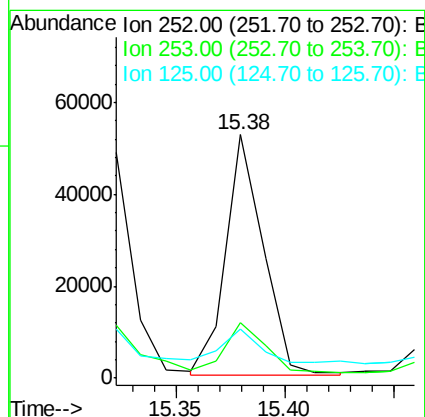
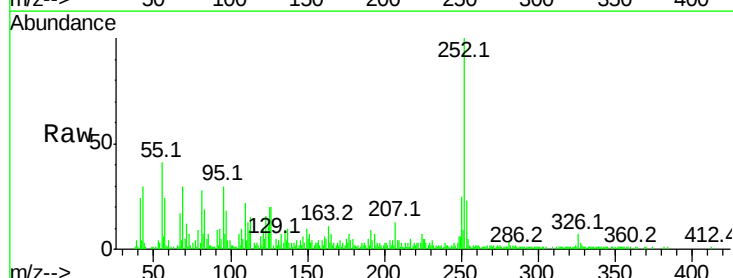
RT: 15.38 min Scan# 1163

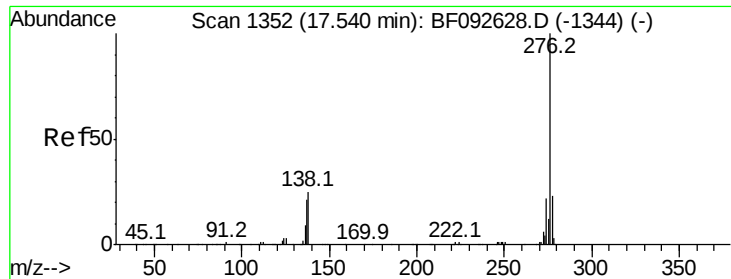
Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion:	252	Resp:	62455
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	20.0	10.0	15.0





#91

Benzo(a,h,i)perylene

Concen: 3.15 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

Tot Ion: 276 Resp: 42228

Ion Ratio Lower Upper

276 100

277 28.8 19.2 28.8

138 32.2 16.0 24.0#

Manual Integrations

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