

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093178.D
 Acq On : 25 Feb 2017 8:24
 Operator : SJ/MA
 Sample : I1972-21
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5-BASE

Manual Integrations
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 2/27/2017 1:08:23 PM

Quant Time: Feb 27 00:44:00 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	152751	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	580543	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	226781	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	338456	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	322426	20.00	ng	-0.01
86) Perylene-d12	15.44	264	277559	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	866490	97.32	ng	-0.02
7) Phenol-d6	6.48	99	1194785	104.29	ng	-0.01
23) Nitrobenzene-d5	7.40	82	681752	65.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	168130	102.50	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1020044	81.49	ng	-0.02
78) Terphenyl-d14	12.94	244	634460	46.24	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.49	94	66571	4.97	ng	# 68
49) Dimethylphthalate	9.60	163	94815	6.21	ng	100
70) Phenanthrene	11.38	178	81787	4.22	ng	98
74) Fluoranthene	12.58	202	148679	7.43	ng	92
77) Pyrene	12.81	202	136899	5.67	ng	98
80) Benzo(a)anthracene	14.00	228	85739	4.35	ng	# 88
82) Chrysene	14.03	228	82515m	4.47	ng	
85) Indeno(1,2,3-cd)pyrene	16.84	276	36087	2.52	ng	98
87) Benzo(b)fluoranthene	15.03	252	86533m	4.74	ng	
88) Benzo(k)fluoranthene	15.04	252	39586m	2.51	ng	
89) Benzo(a)pyrene	15.38	252	64627	4.09	ng	# 95
91) Benzo(a,h,i)perylene	17.27	276	35812	2.78	ng	# 87

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

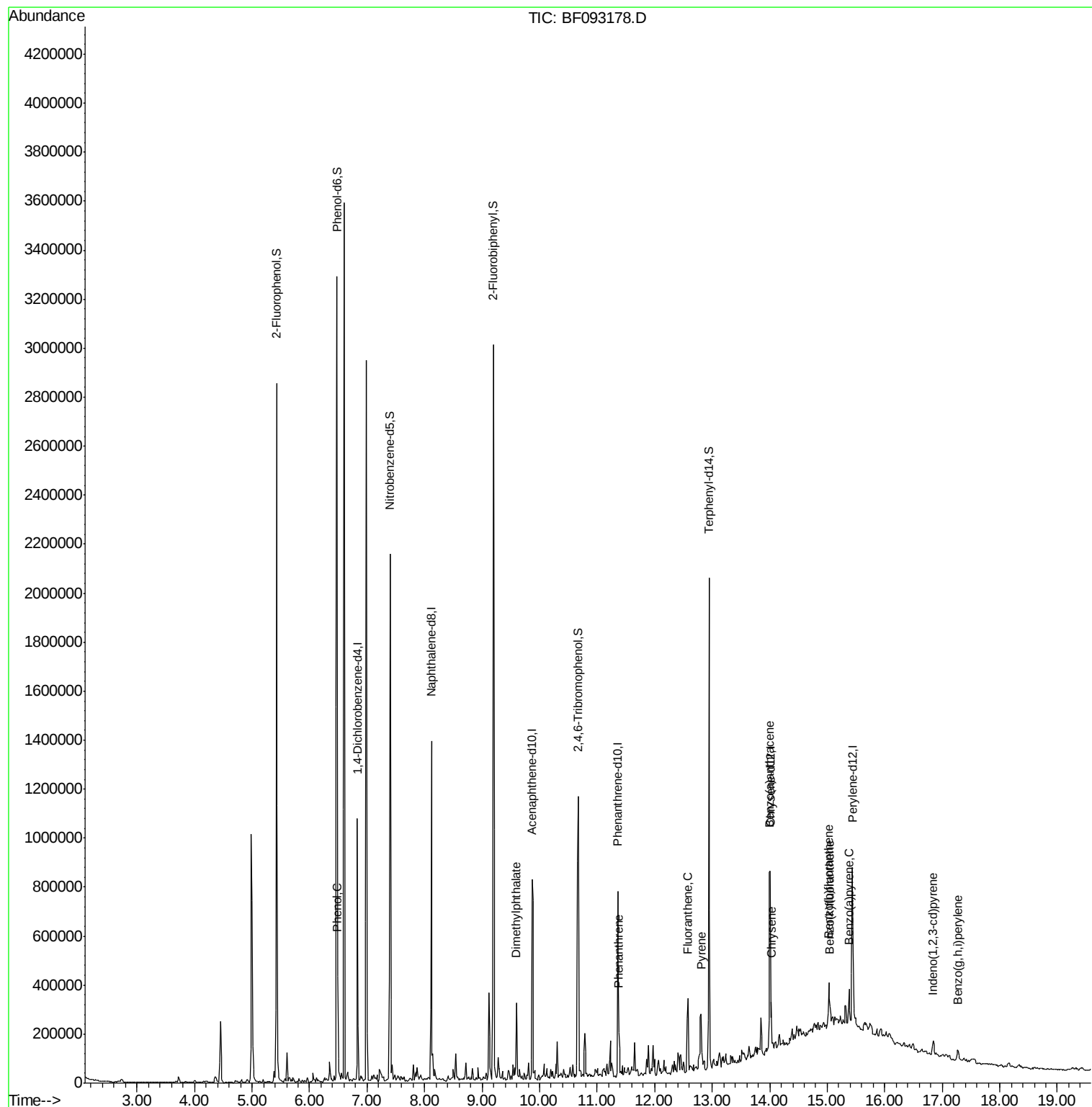
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
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ALS Vial : 31 Sample Multiplier: 1

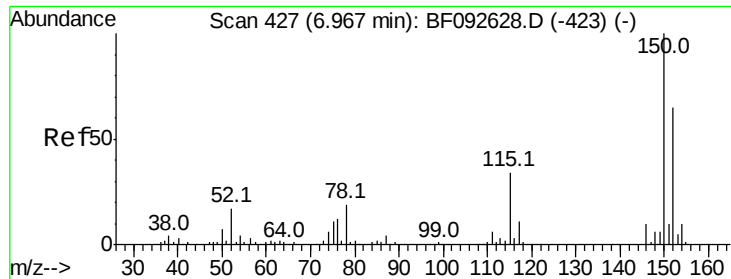
Instrument :
BNA_F
ClientSampleId :
E2-Z5-BASE

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Quant Time: Feb 27 00:44:00 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: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

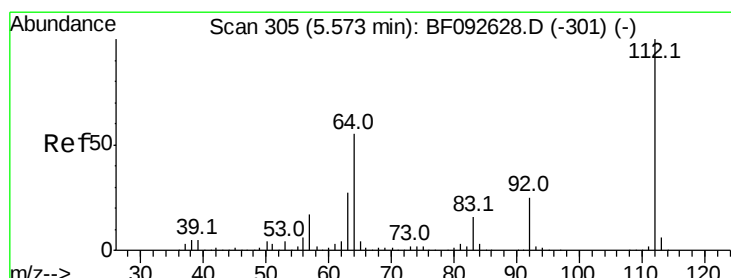
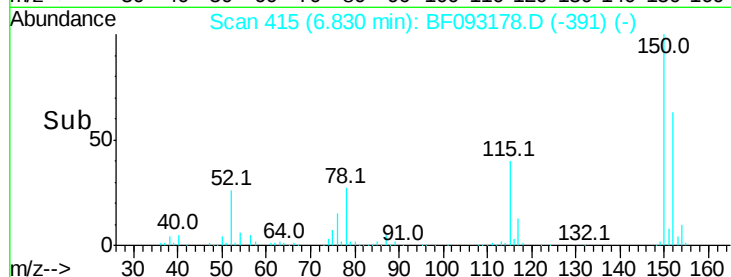
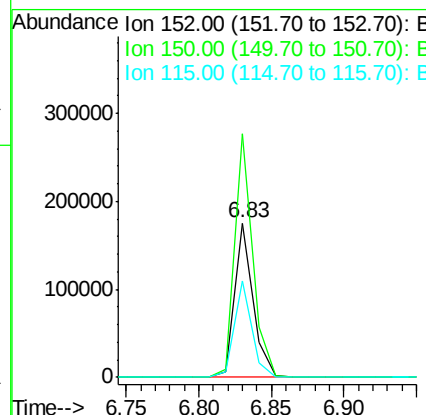
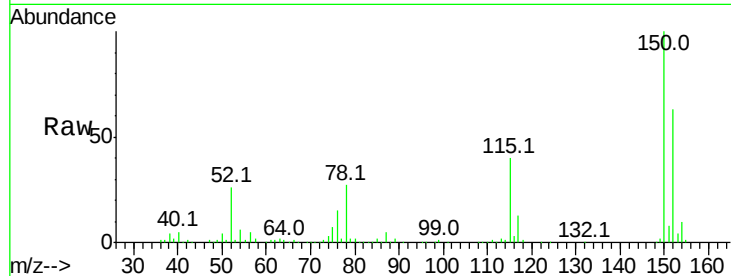
ClientSampleId :

E2-Z5-BASE

Tot Ion:	152	Resp:	152751
Ion Ratio	Lower	Upper	
152	100		
150	158.0	124.9	187.3
115	62.5	46.0	69.0

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#5

2-Fluorophenol

Concen: 97.32 ng

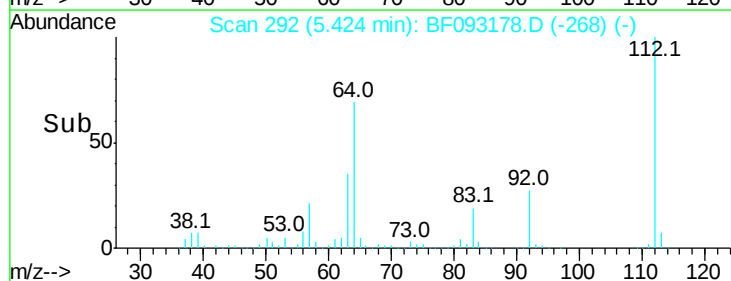
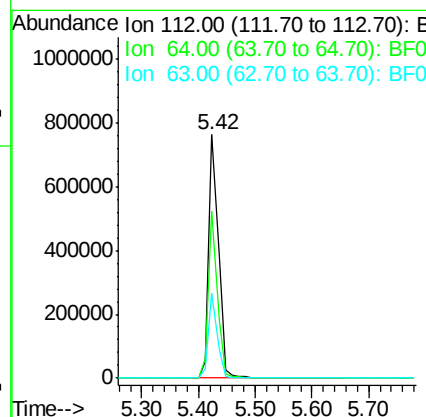
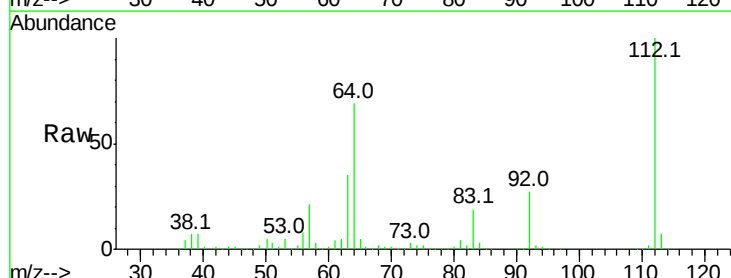
RT: 5.42 min Scan# 292

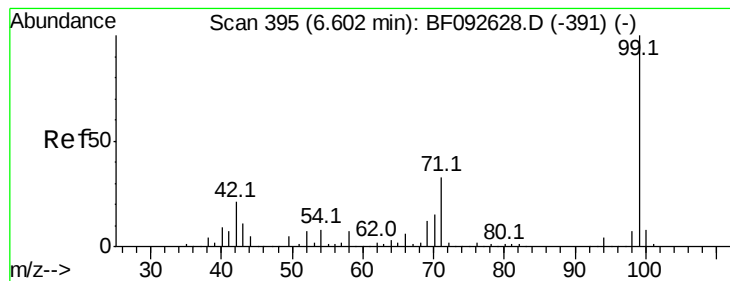
Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Tgt Ion:	112	Resp:	866490
Ion Ratio	Lower	Upper	
112	100		
64	68.6	46.1	69.1
63	34.6	23.8	35.6





#7

Phenol-d6

Concen: 104.29 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

ClientSampleId :

E2-Z5-BASE

Tot Ion: 99 Resp: 1194785

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

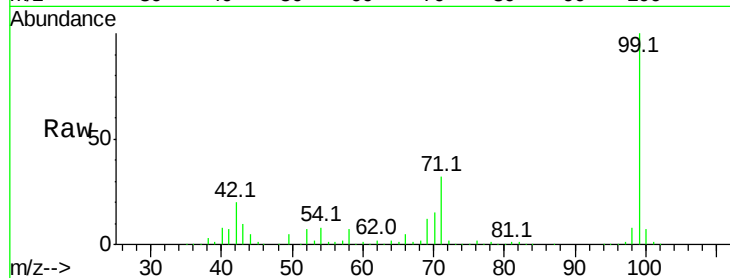
71 32.2 27.5 41.3

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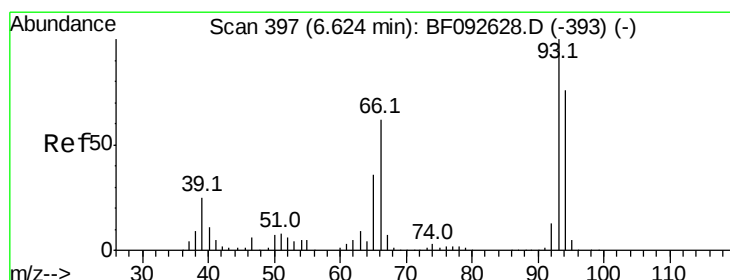
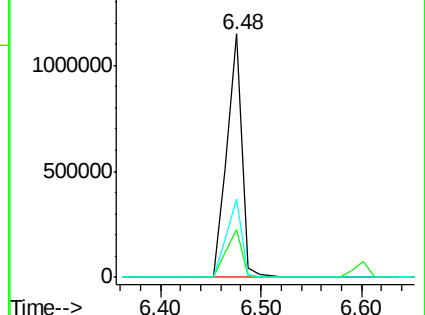
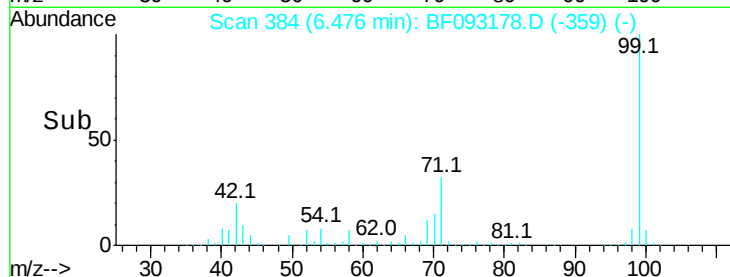
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.97 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

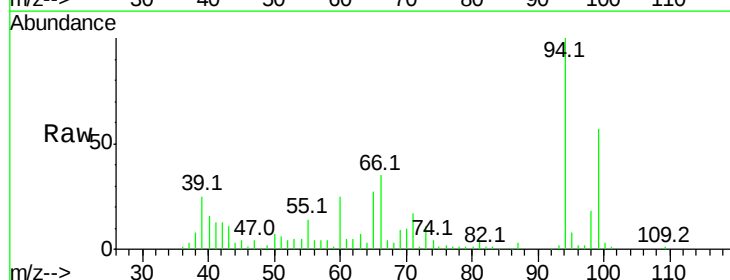
Tgt Ion: 94 Resp: 66571

Ion Ratio Lower Upper

94 100

65 26.5 21.4 61.4

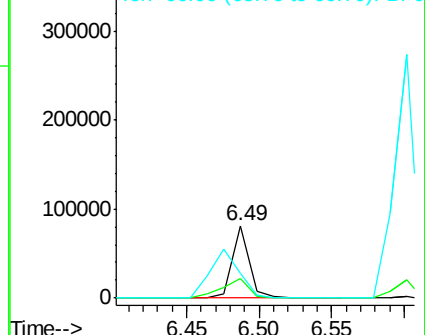
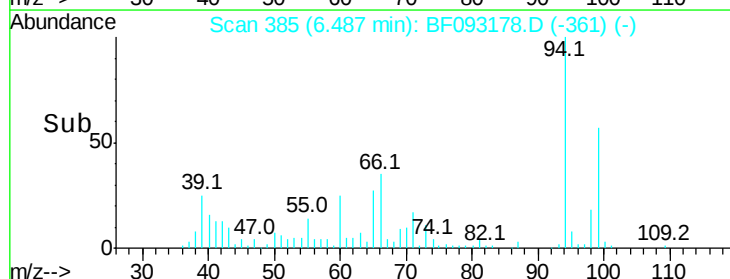
66 34.7 44.0 84.0#

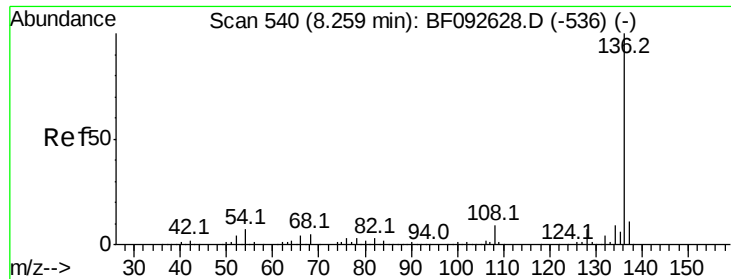


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

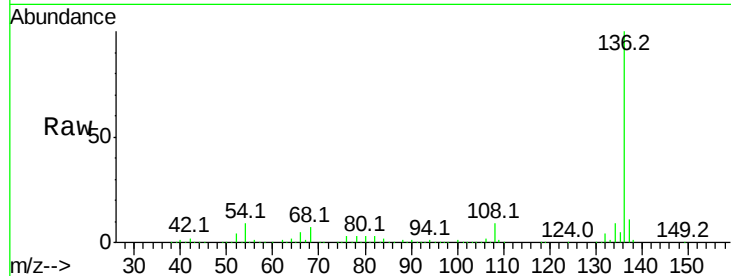
ClientSampled :

E2-Z5-BASE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.1	4.5	6.7#
68	6.9	3.6	5.4#

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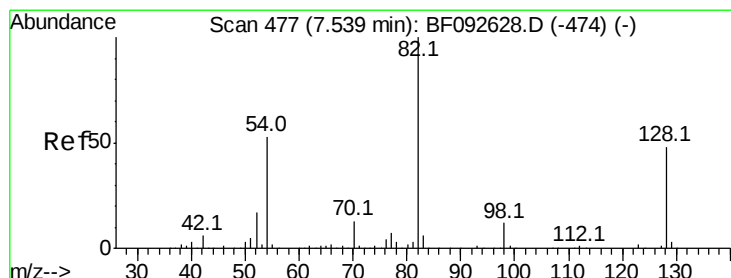
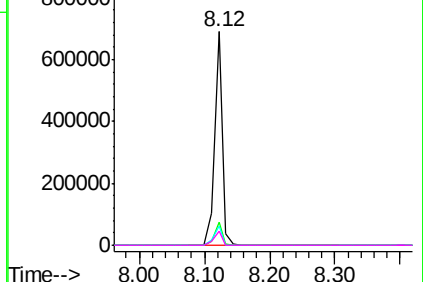
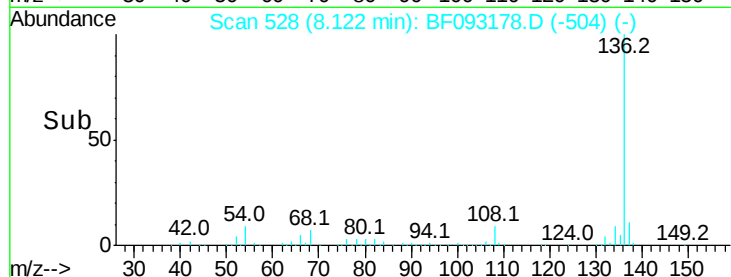


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 65.40 ng

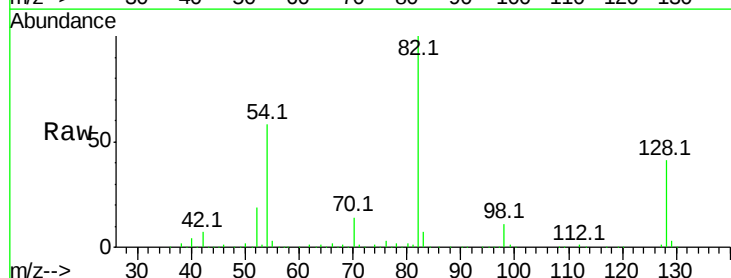
RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

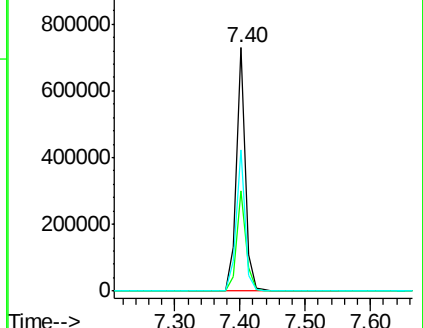
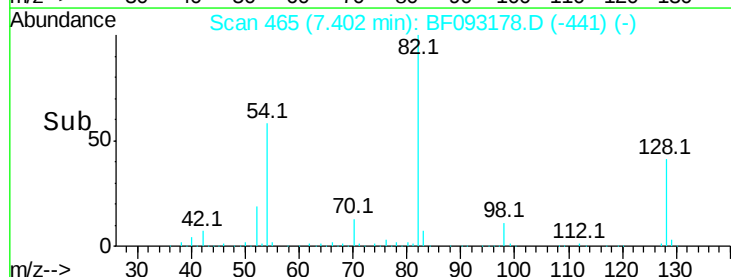
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.0	34.6	52.0
54	58.2	39.5	59.3

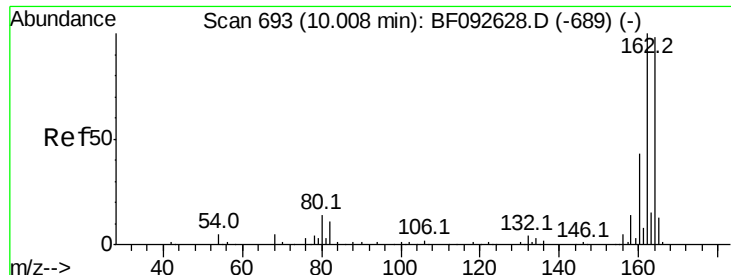


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





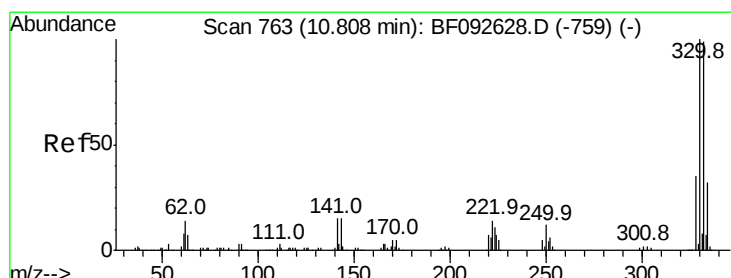
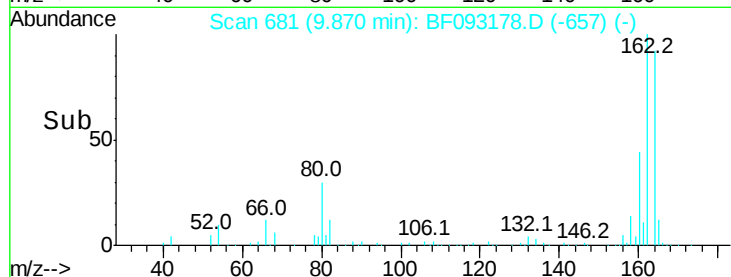
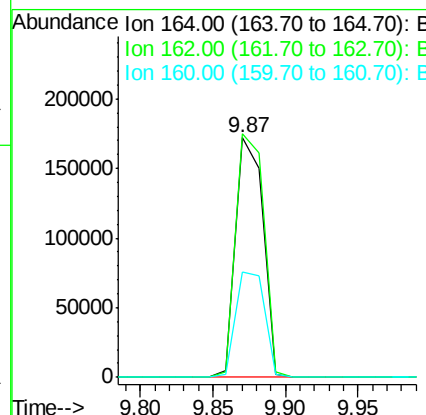
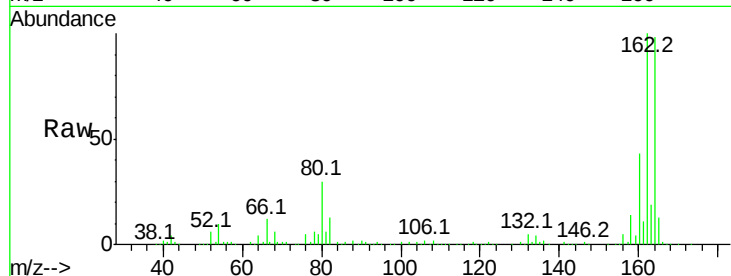
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-Z5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	226781		
162	101.6	80.2	120.2	
160	44.0	36.9	55.3	

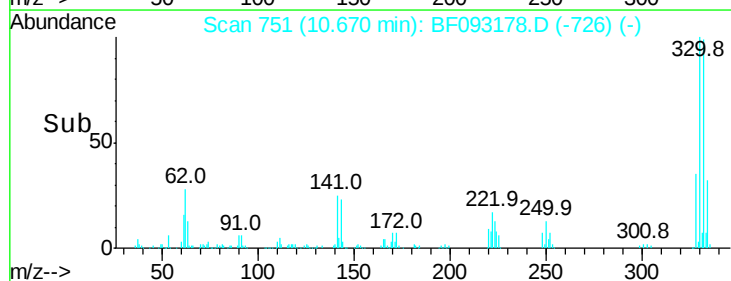
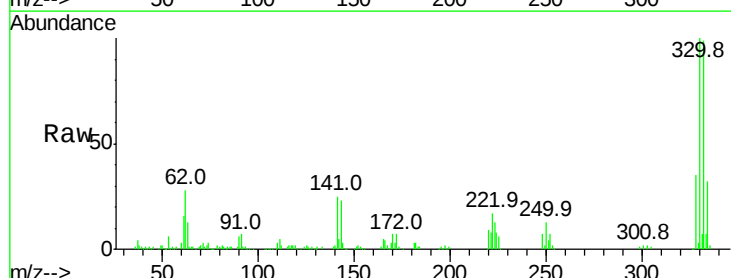
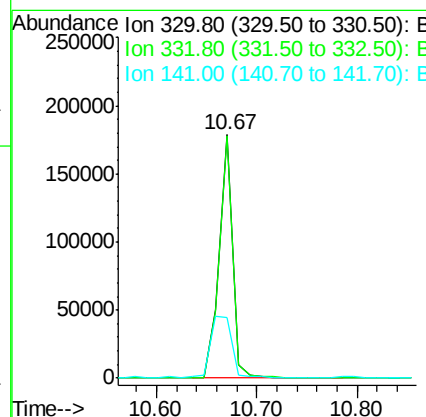
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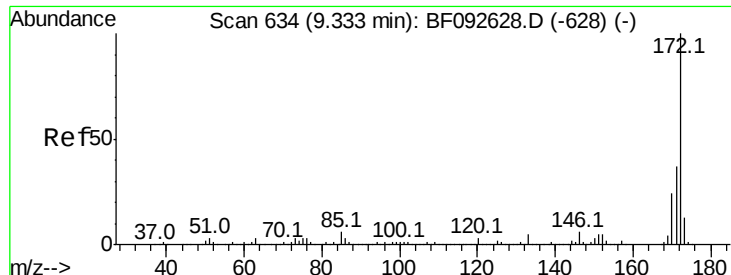
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#41
2,4,6-Tribromophenol
Concen: 102.50 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	168130		
332	98.8	77.4	116.2	
141	41.0	34.1	51.1	





#44

2-Fluorobiphenyl

Concen: 81.49 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

ClientSampleId :

E2-Z5-BASE

Tot Ion:172 Resp: 1020044

Ion Ratio Lower Upper

172 100

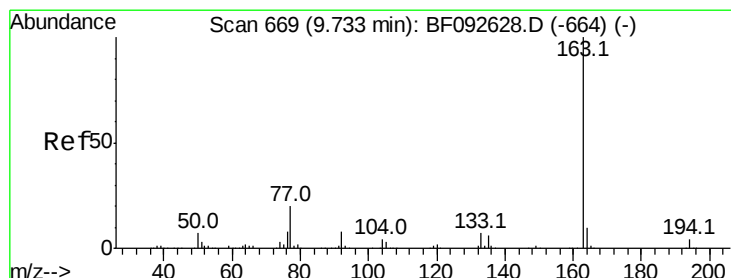
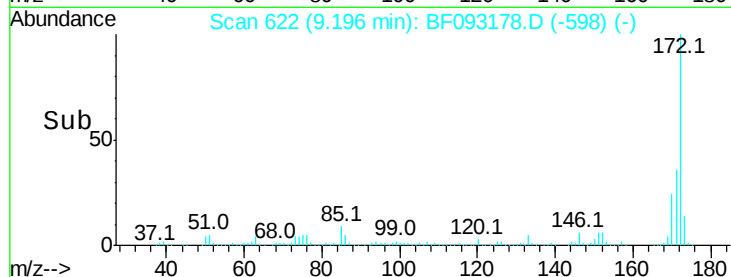
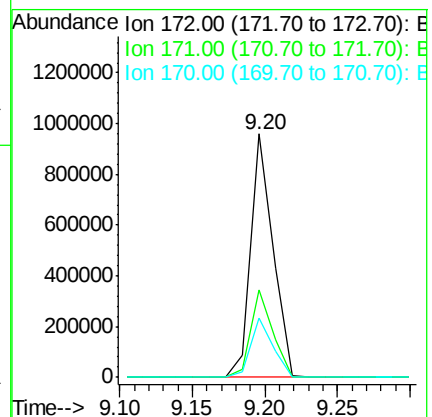
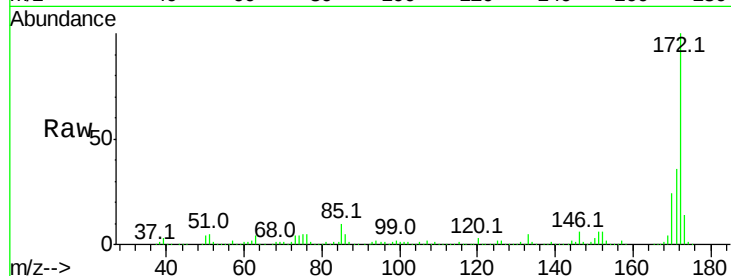
171 36.0 29.4 44.0

170 24.2 20.2 30.4

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#49

Dimethylphthalate

Concen: 6.21 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

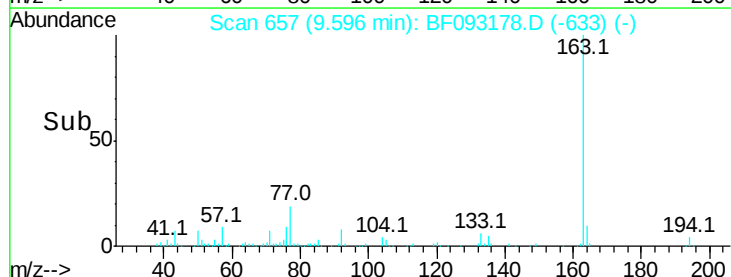
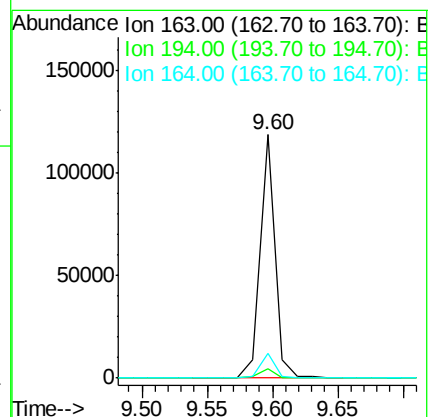
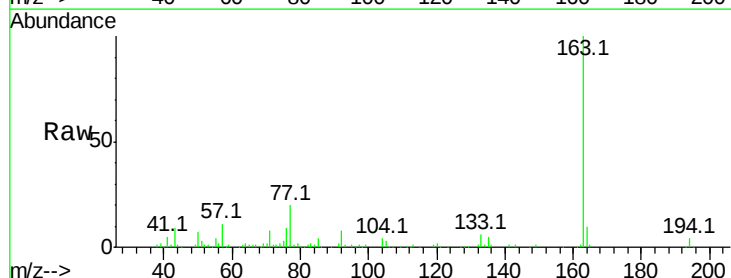
Tgt Ion:163 Resp: 94815

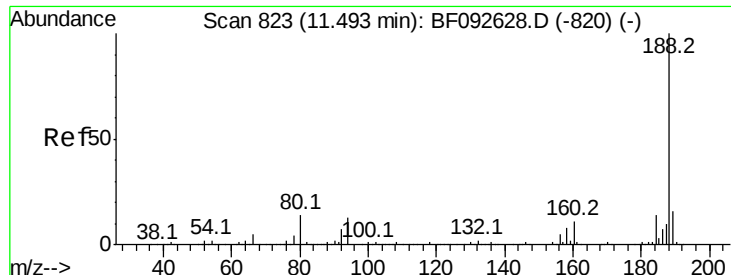
Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

164 9.9 8.0 12.0





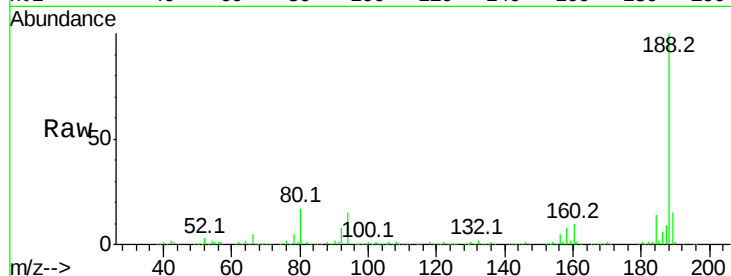
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-Z5-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	14.6	10.0	15.0
80	16.6	11.2	16.8

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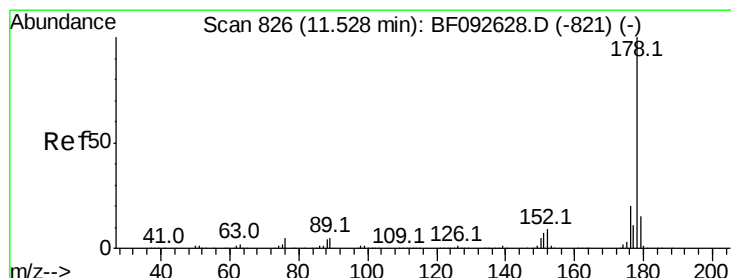
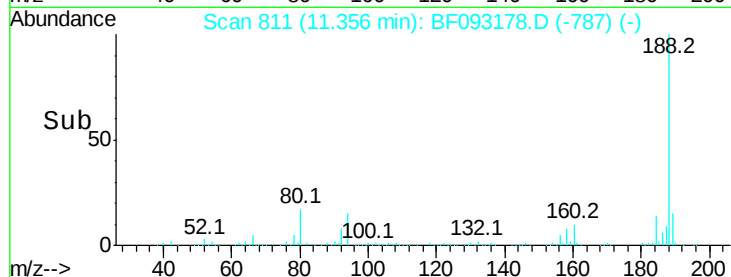
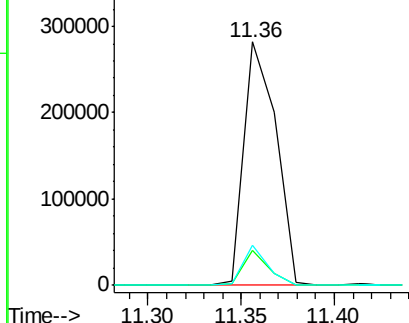
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Abundance Ion 188.00 (187.70 to 188.70): E

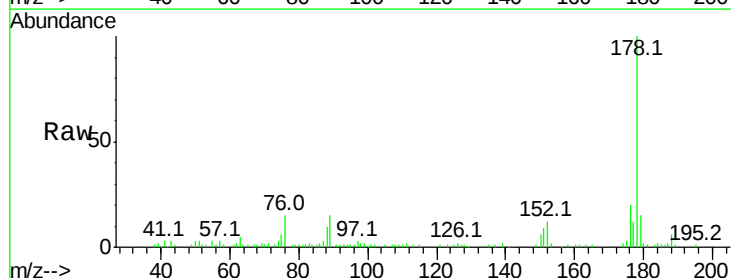
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 4.22 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

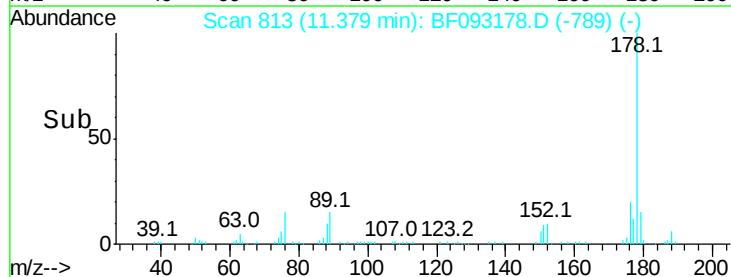
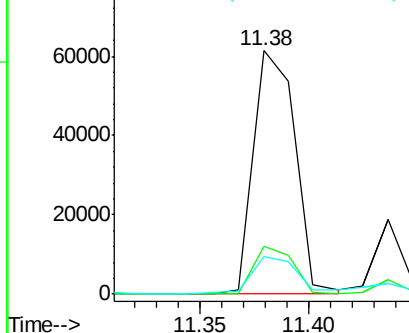
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	16.6	25.0
179	15.2	12.8	19.2

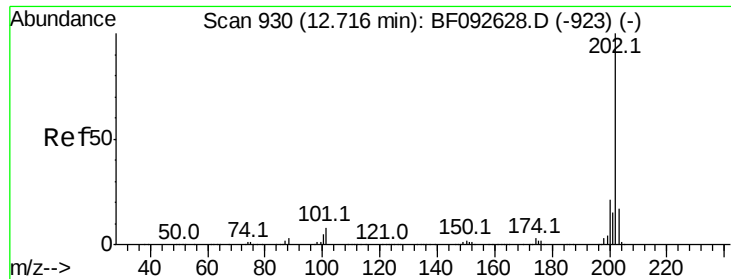


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.43 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

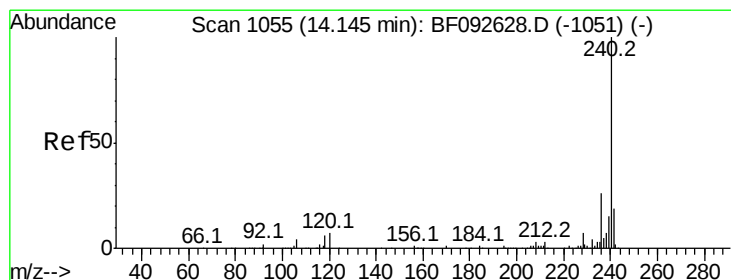
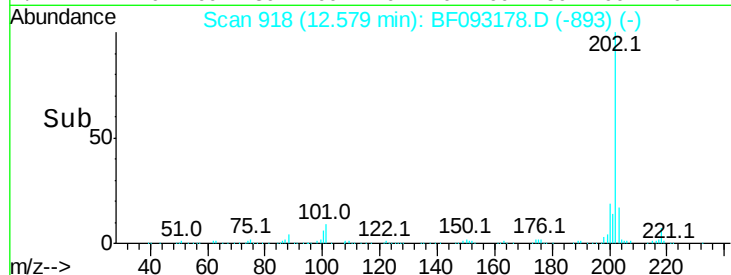
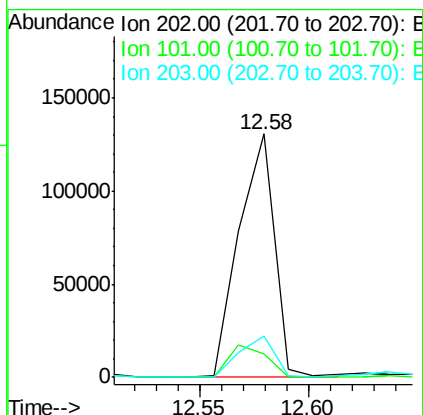
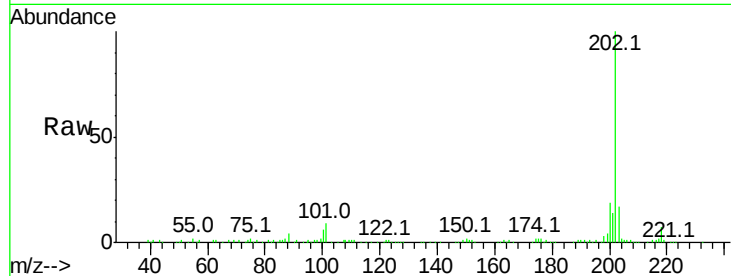
ClientSampleId :

E2-Z5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	148679		
101	9.4	0.0	34.6	
203	17.1	0.0	38.7	

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#75

Chrysene-d12

Concen: 20.00 ng

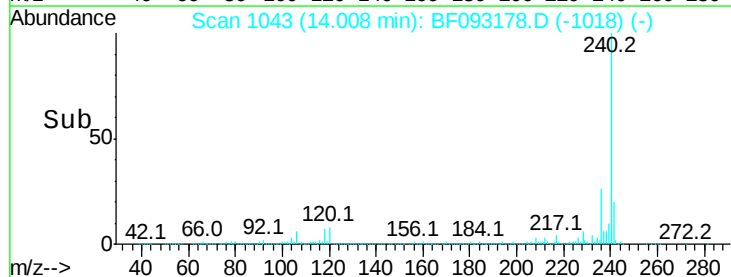
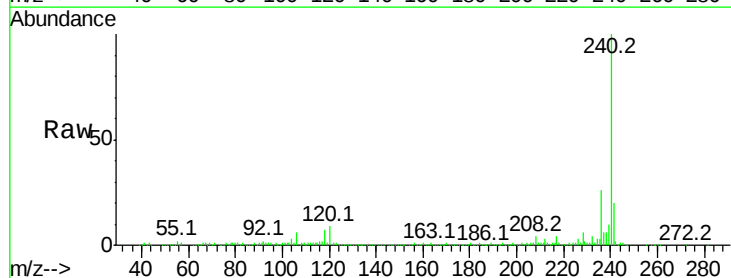
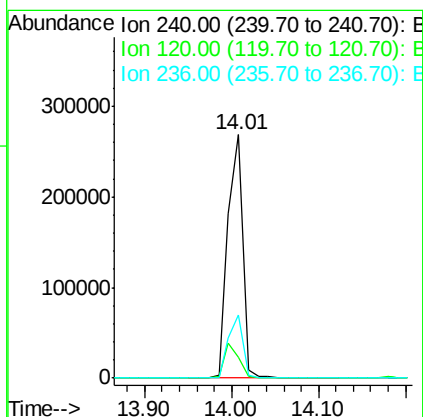
RT: 14.01 min Scan# 1043

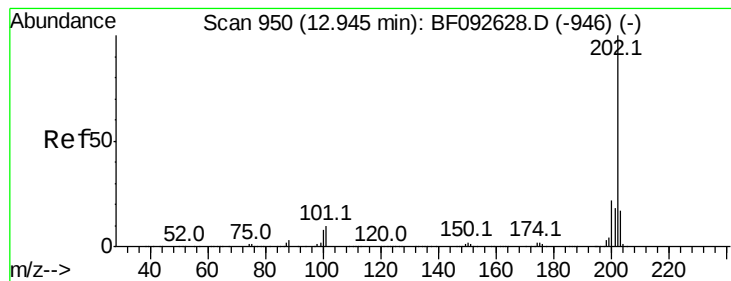
Delta R.T. -0.01 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	322426		
120	8.7	12.9	19.3#	
236	26.1	20.9	31.3	





#77

Pvrene

Concen: 5.67 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

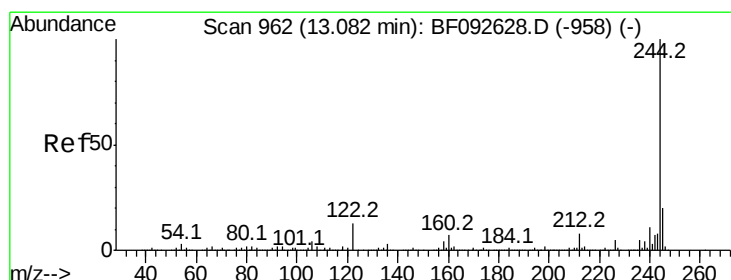
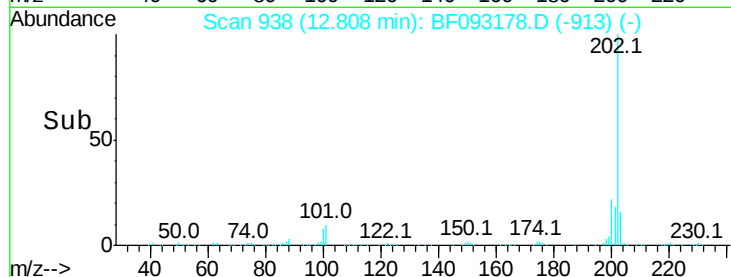
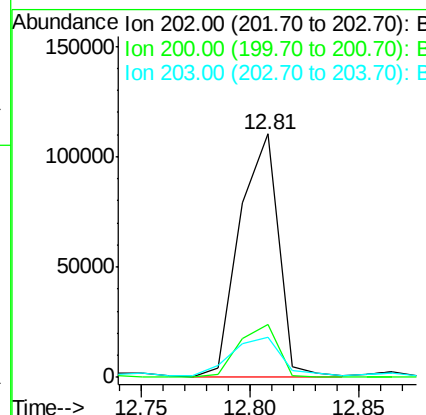
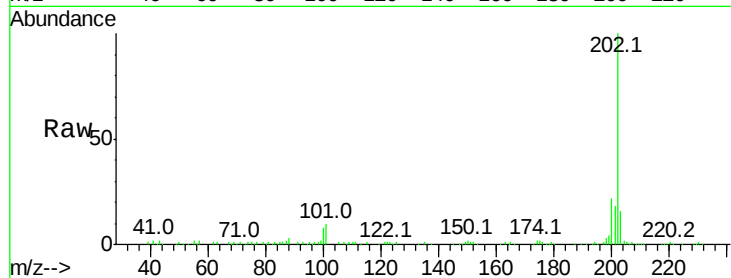
ClientSampled :

E2-Z5-BASE

Tot Ion:	202	Resp:	136899
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	16.3	14.7	22.1

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#78

Terphenyl-d14

Concen: 46.24 ng

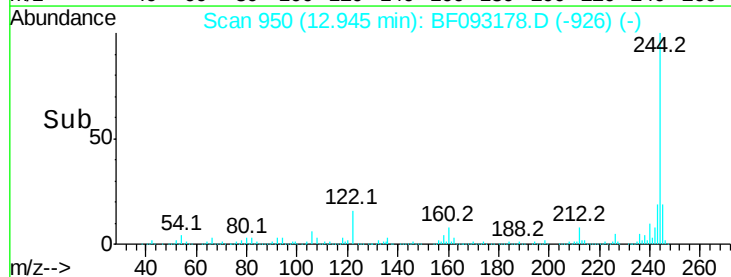
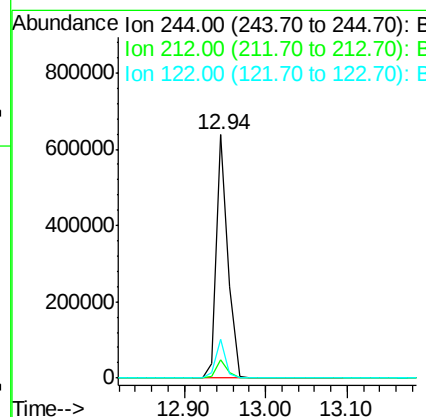
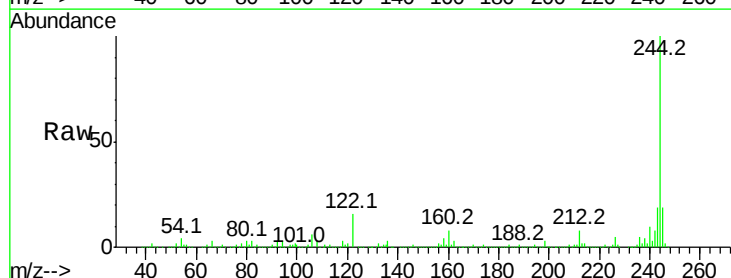
RT: 12.94 min Scan# 950

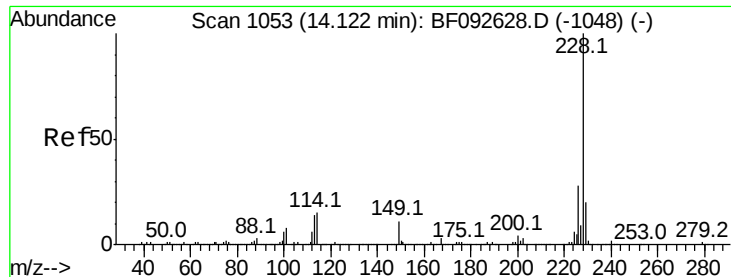
Delta R.T. -0.02 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Tgt Ion:	244	Resp:	634460
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	15.7	11.4	17.2





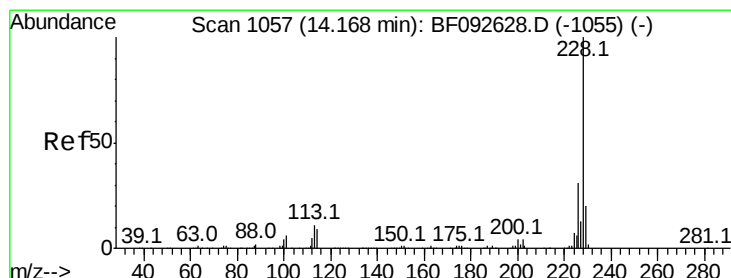
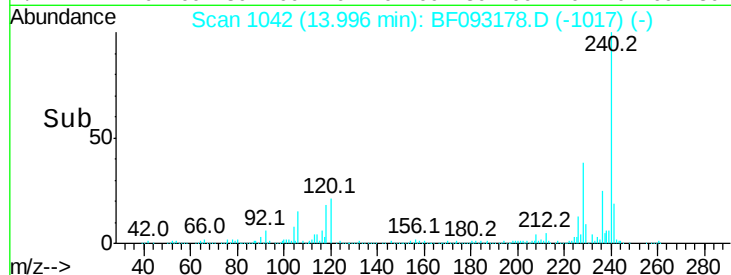
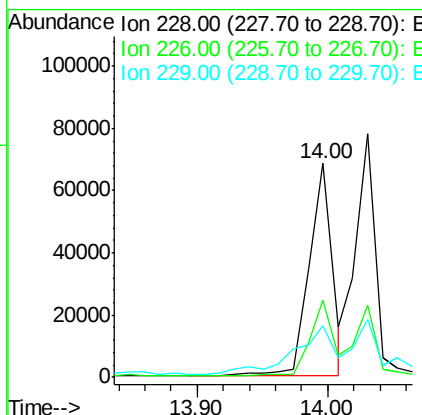
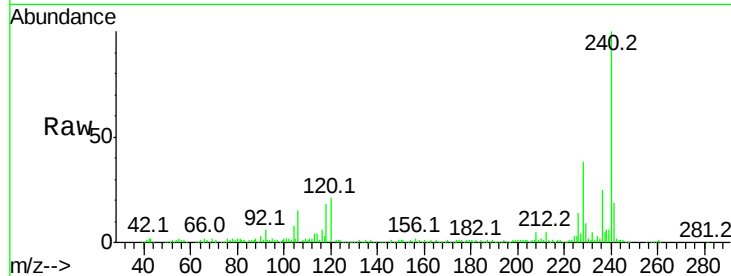
#80
Benzo(a)anthracene
Concen: 4.35 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Instrument :
BNA_F
ClientSampled :
E2-Z5-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.0	22.4	33.6#
229	24.2	16.2	24.4

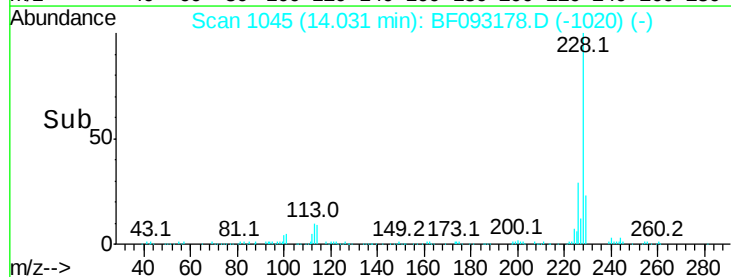
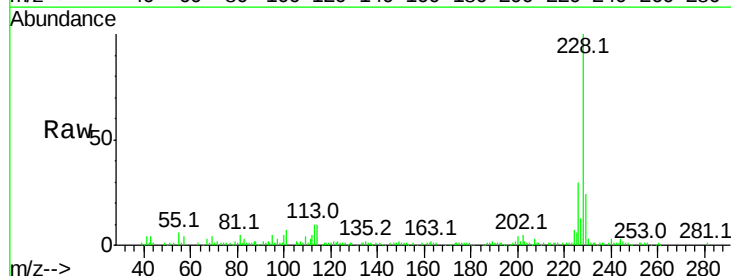
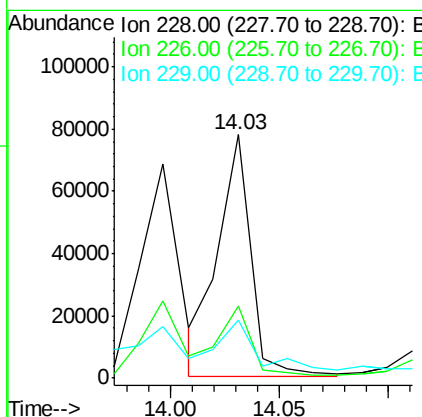
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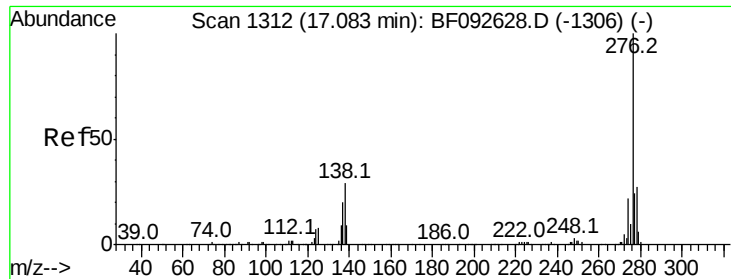
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#82
Chrysene
Concen: 4.47 ng m
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	24.0	16.2	24.2





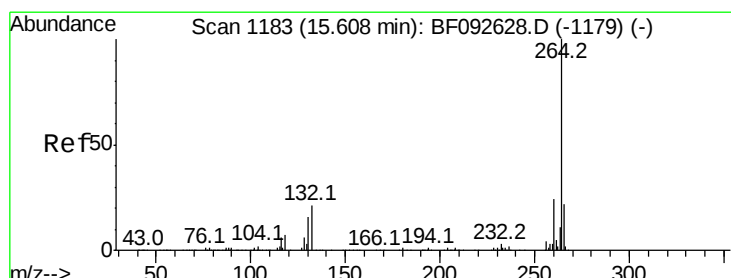
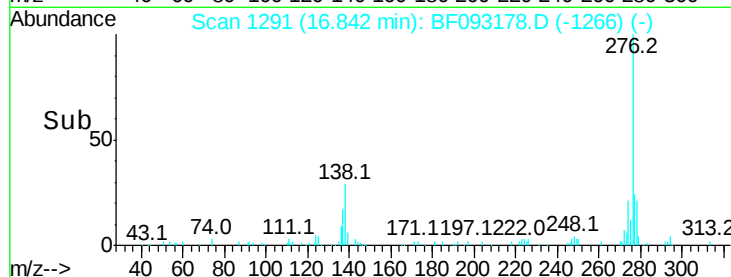
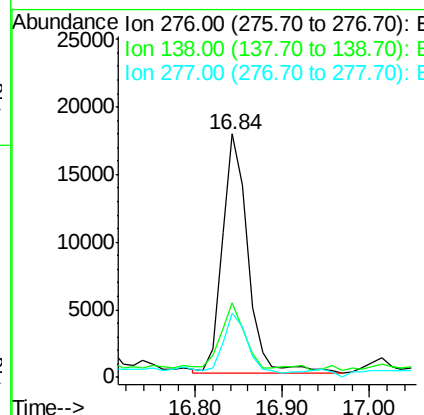
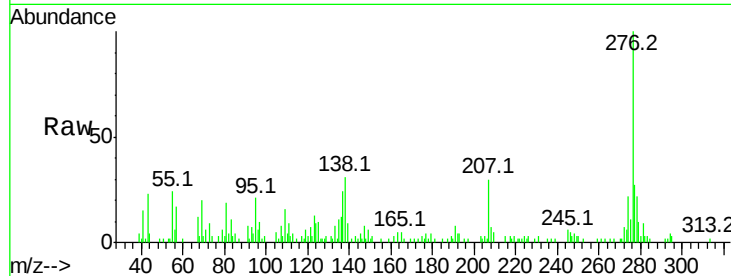
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.52 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-Z5-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.6
277	23.2	20.2	30.4

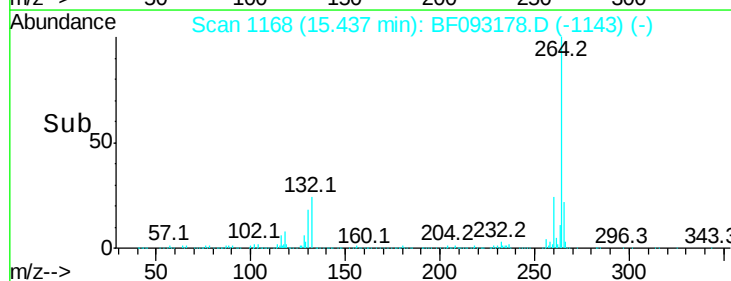
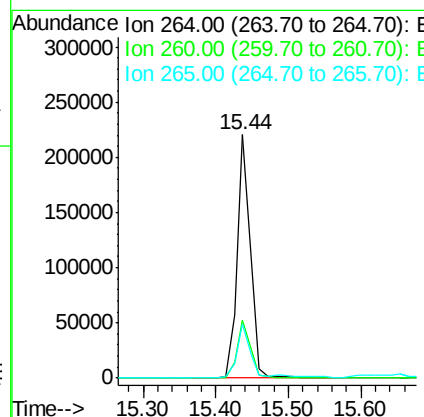
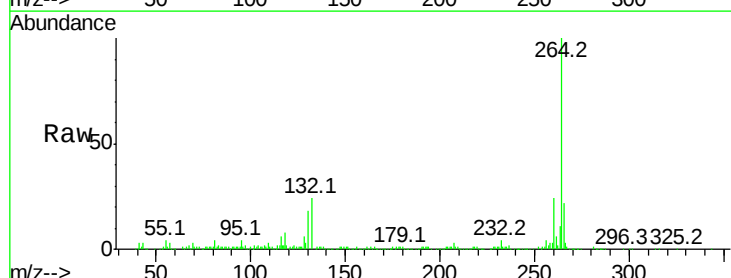
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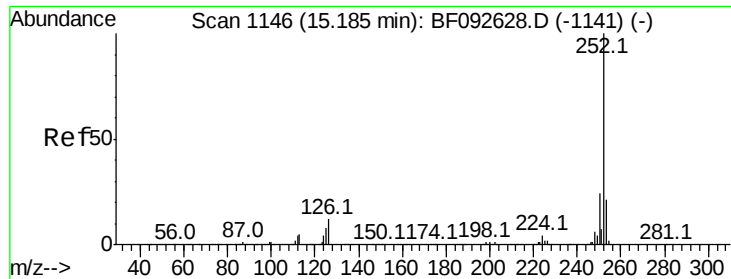
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 4.74 ng m

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Instrument :

BNA_F

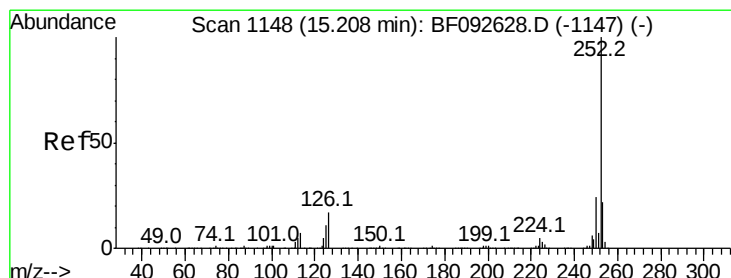
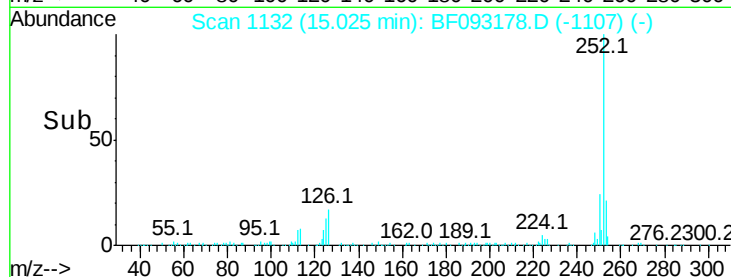
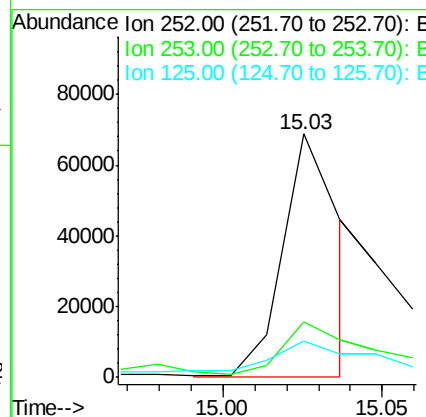
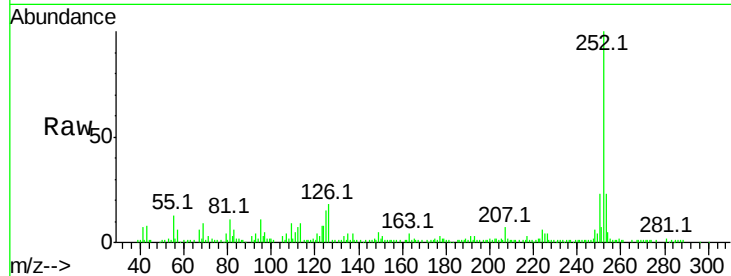
ClientSampleId :

E2-Z5-BASE

Tot Ion:	252	Resp:	86533
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.4
125	14.9	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 2.51 ng m

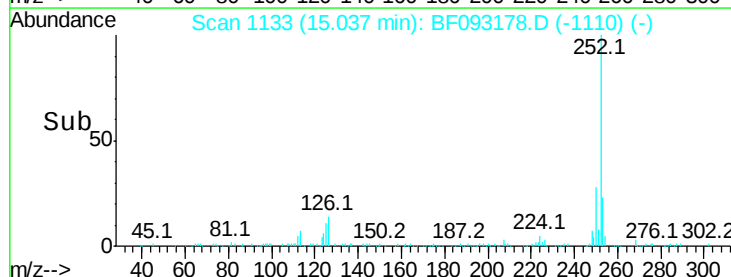
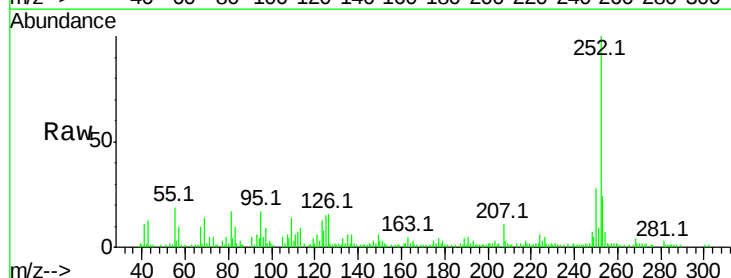
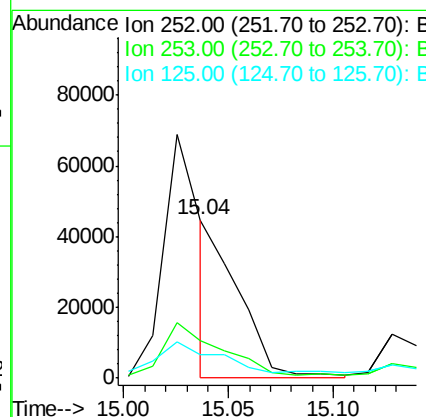
RT: 15.04 min Scan# 1133

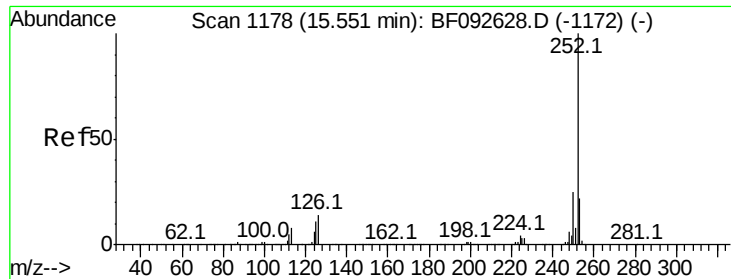
Delta R.T. -0.03 min

Lab File: BF093178.D

Acq: 25 Feb 2017 8:24

Tgt Ion:	252	Resp:	39586
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.5	27.7
125	15.0	8.9	13.3





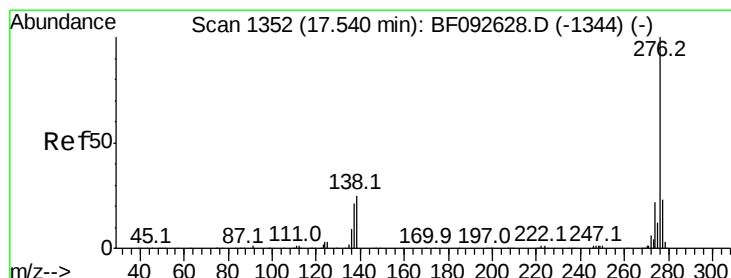
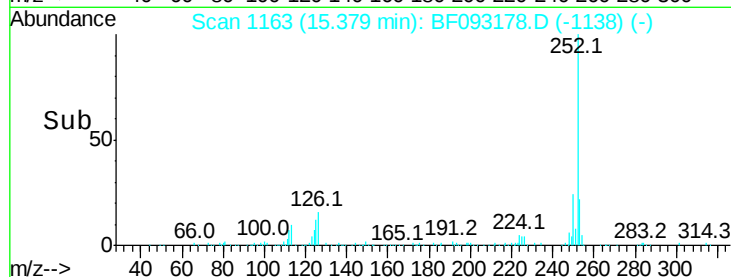
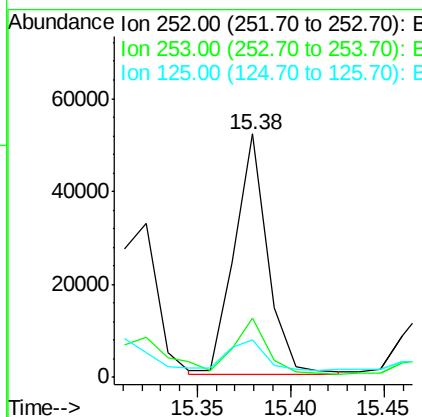
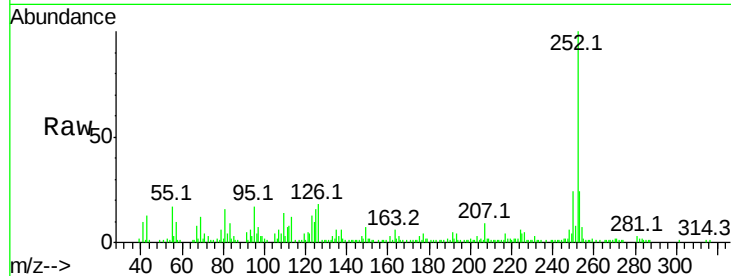
#89
Benzo(a)pyrene
Concen: 4.09 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-Z5-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	15.6	10.0	15.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.78 ng
RT: 17.27 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF093178.D
Acq: 25 Feb 2017 8:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	31.4	16.0	24.0#

