

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094106.D
 Acq On : 31 Mar 2017 19:52
 Operator : SJ/MA
 Sample : I2463-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R12-BASE

Manual Integrations
 APPROVED

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Quant Time: Apr 01 00:31:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	180973	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	701510	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	300916	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	480873	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	306017	20.00	ng	0.00
86) Perylene-d12	16.25	264	287599	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	1419155	132.45	ng	0.01
7) Phenol-d6	5.51	99	1810886	136.62	ng	0.00
23) Nitrobenzene-d5	6.55	82	1123339	91.38	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	299087	125.78	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1585464	80.36	ng	0.00
78) Terphenyl-d14	13.34	244	872747	63.93	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.52	94	30634	2.03	ng	88
49) Dimethylphthalate	9.22	163	128698	6.02	ng	99
70) Phenanthrene	11.39	178	323057	12.08	ng	98
74) Fluoranthene	12.86	202	424463	15.50	ng	99
77) Pyrene	13.13	202	385057	17.34	ng	98
80) Benzo(a)anthracene	14.60	228	165534	9.28	ng	95
82) Chrysene	14.65	228	184561m	11.15	ng	
85) Indeno(1,2,3-cd)pyrene	17.59	276	119988	8.37	ng	96
87) Benzo(b)fluoranthene	15.84	252	233973m	13.27	ng	
88) Benzo(k)fluoranthene	15.87	252	55125m	3.20	ng	
89) Benzo(a)pyrene	16.19	252	153198	9.44	ng	99
90) Dibenzo(a,h)anthracene	17.60	278	30817	2.24	ng	# 83
91) Benzo(a,h,i)perylene	17.99	276	139997	10.10	ng	98

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

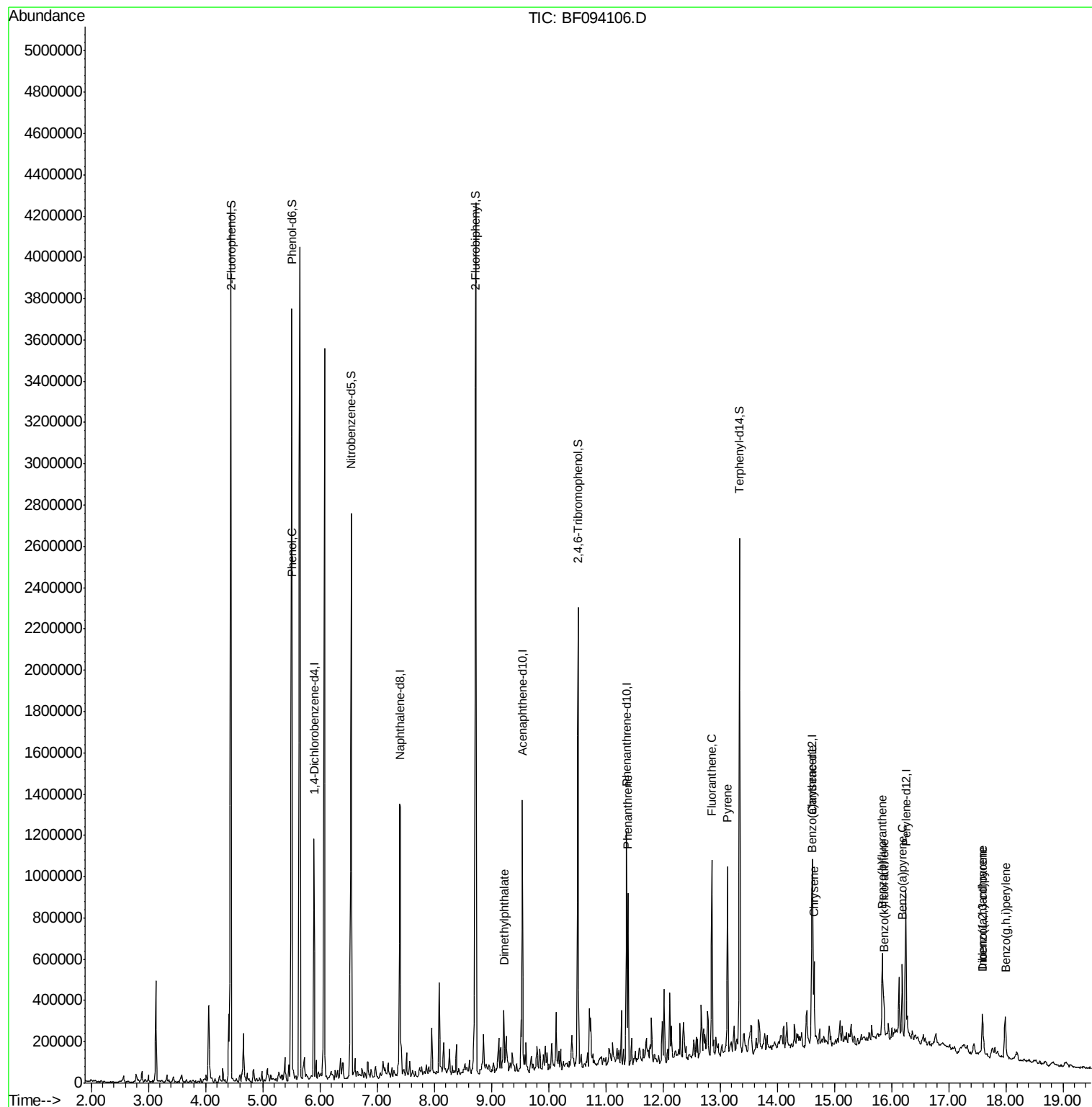
Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
Data File : BF094106.D
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Operator : SJ/MA
Sample : I2463-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

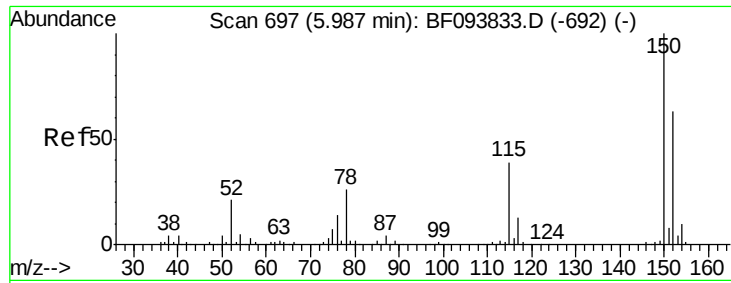
Instrument :
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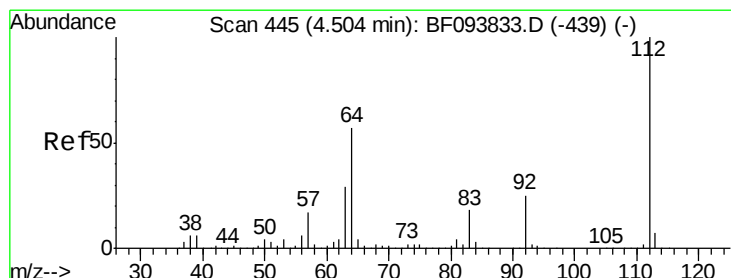
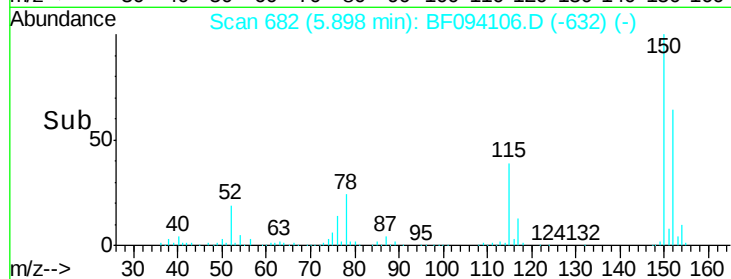
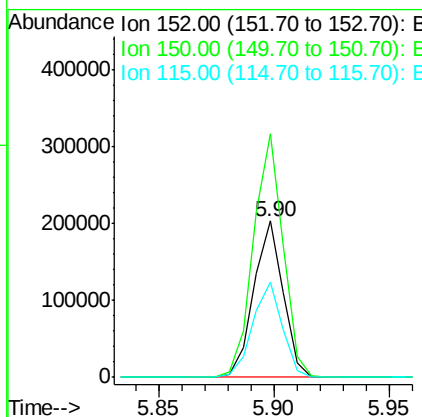
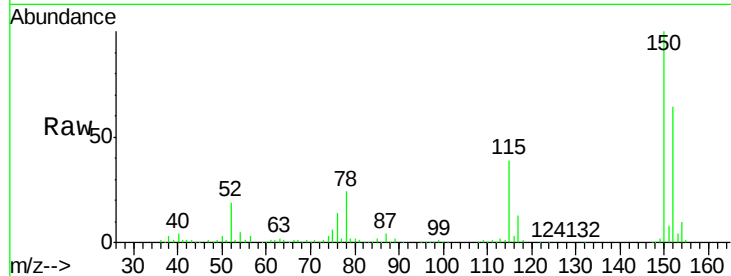
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.90 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-R12-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	61.0	52.2	78.2

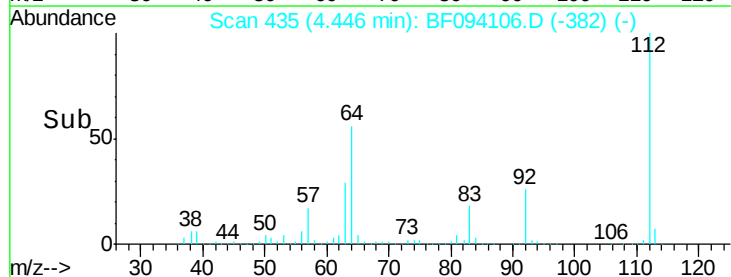
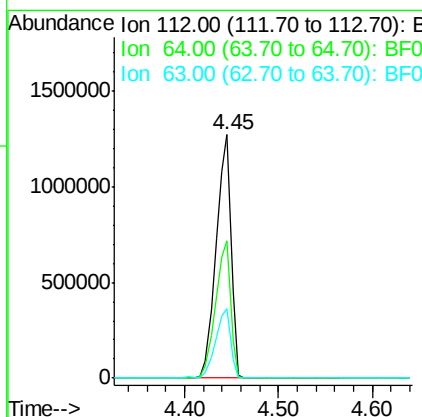
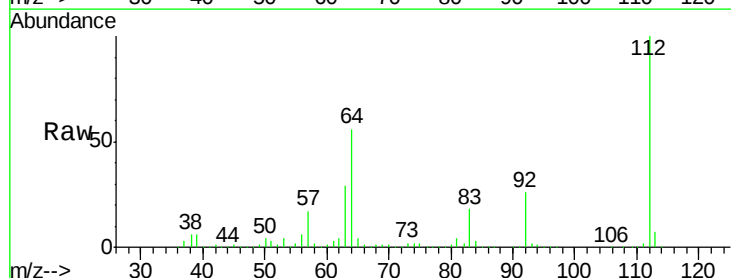
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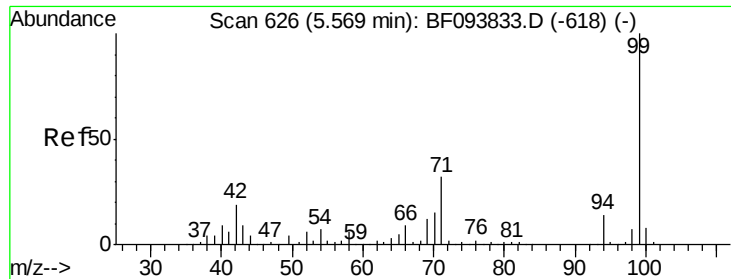
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#5
 2-Fluorophenol
 Concen: 132.45 ng
 RT: 4.45 min Scan# 435
 Delta R.T. 0.01 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.0	69.0
63	28.6	23.4	35.0





#7

Phenol-d6

Concen: 136.62 ng

RT: 5.51 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

E2-R12-BASE

Tot Ion: 99 Resp: 1810886

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

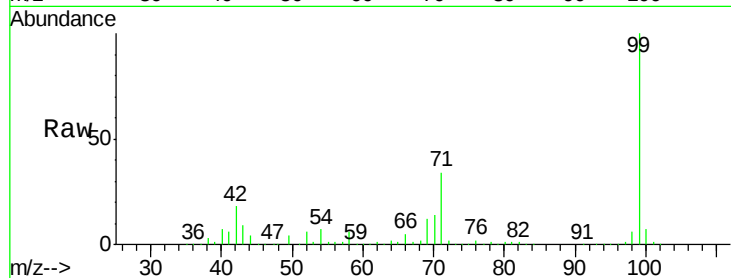
71 34.1 24.5 36.7

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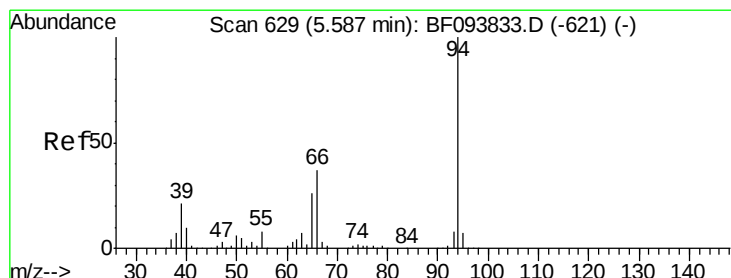
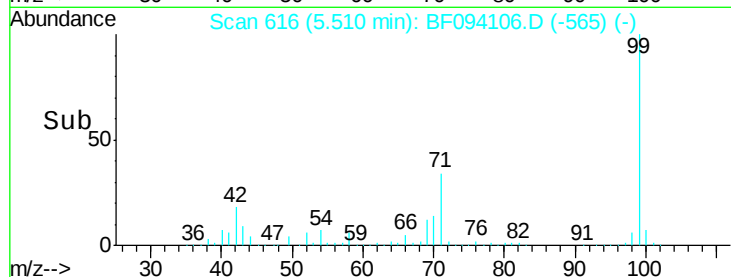
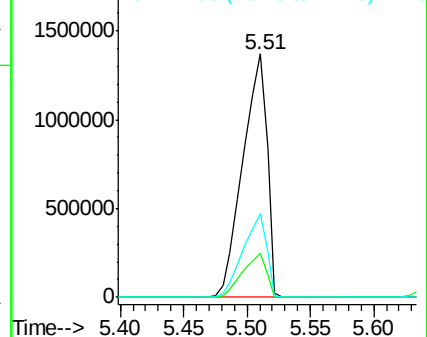
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.03 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

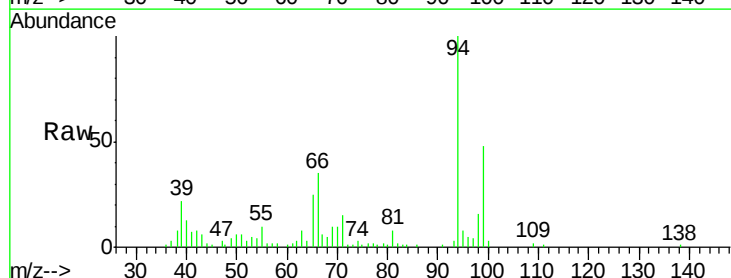
Tgt Ion: 94 Resp: 30634

Ion Ratio Lower Upper

94 100

65 24.5 9.9 49.9

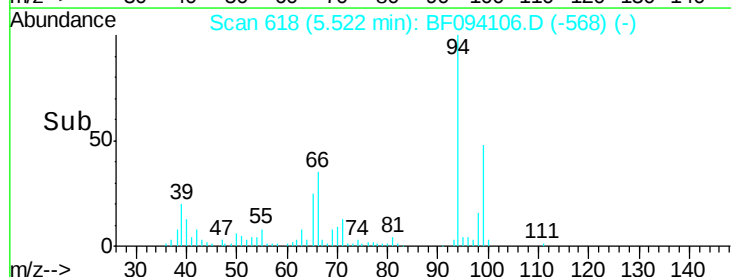
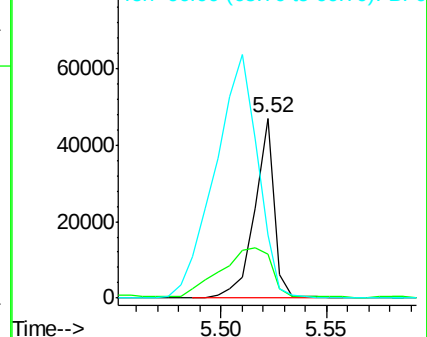
66 35.0 23.1 63.1

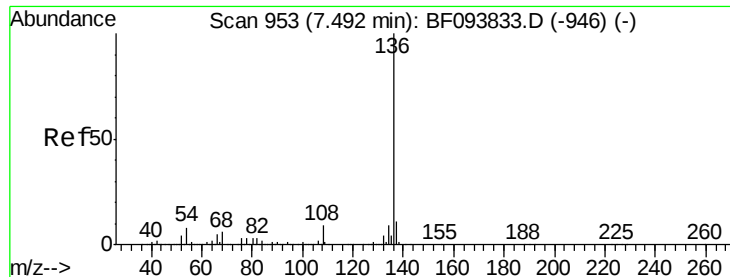


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





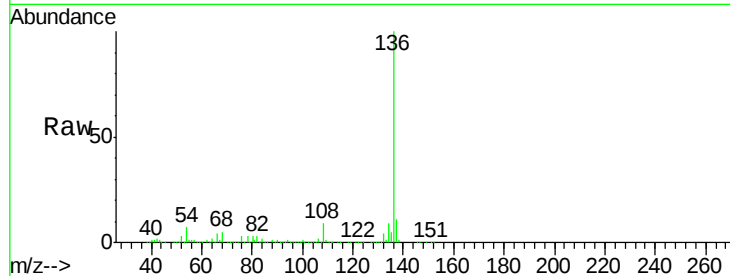
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

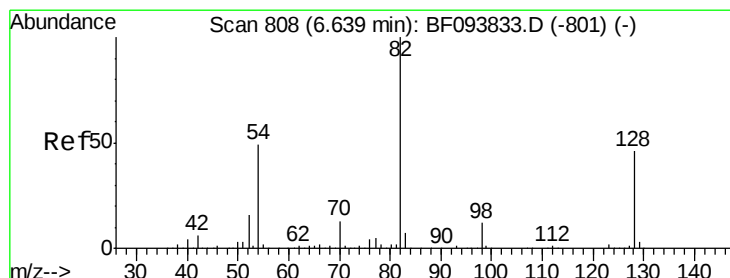
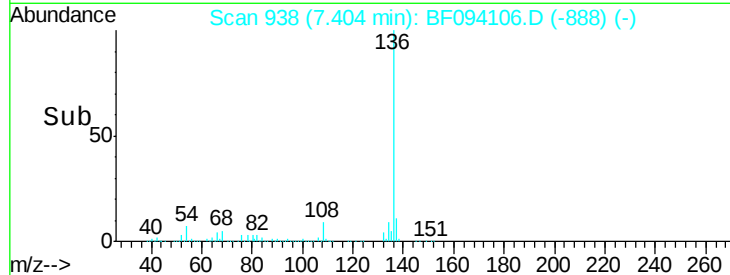
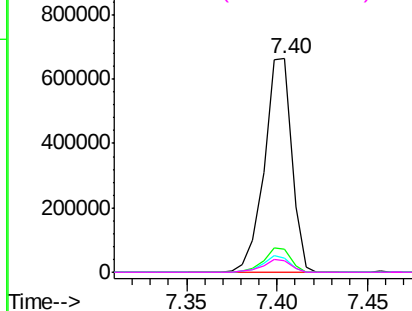
Tot Ion	Ratio	Resp	Lower	Upper
136	100	701510		
137	11.0		8.5	12.7
54	6.7		4.9	7.3
68	5.4		4.1	6.1

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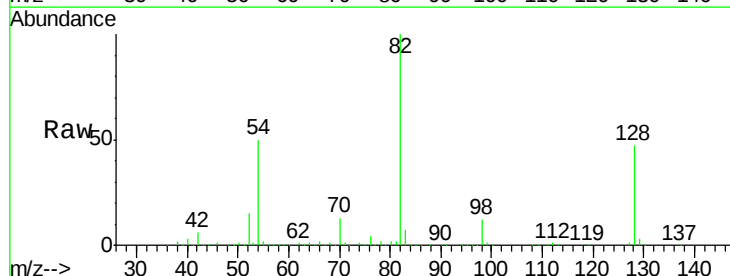


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

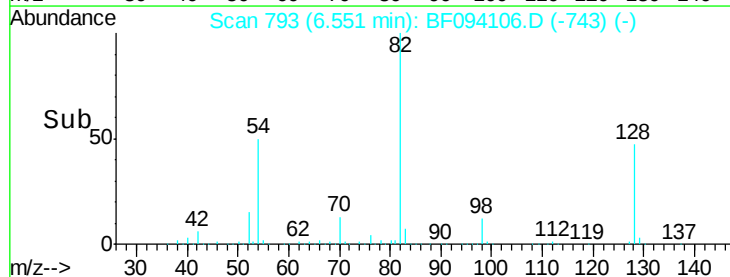
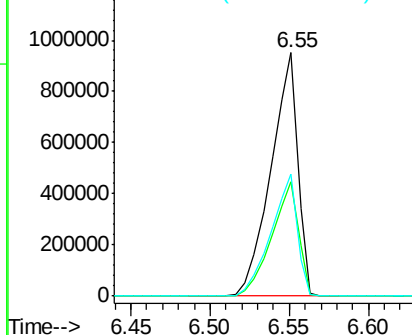


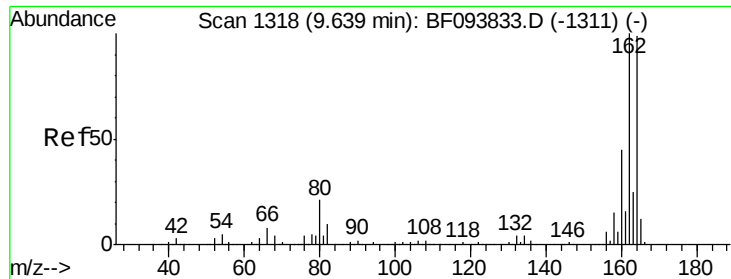
#23
Nitrobenzene-d5
Concen: 91.38 ng
RT: 6.55 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1123339		
128	46.9		34.0	51.0
54	50.0		42.2	63.2



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





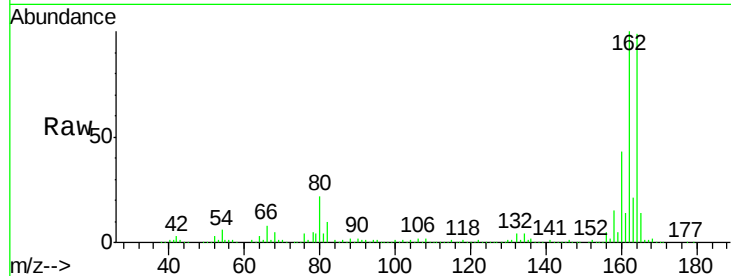
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

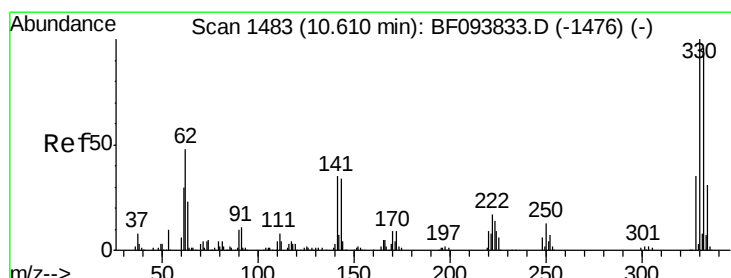
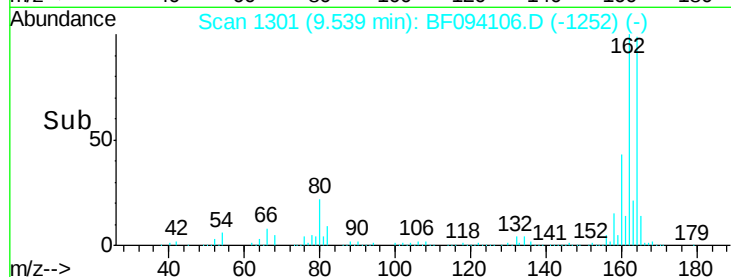
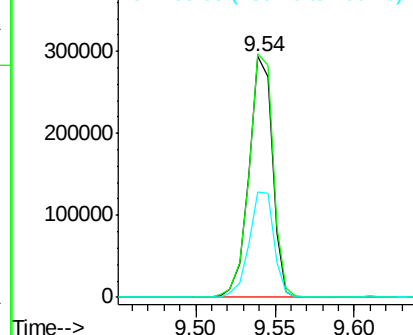
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	82.6	123.8	
160	43.5	36.2	54.2	

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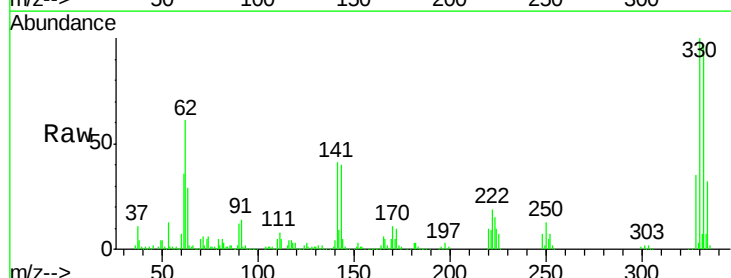


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

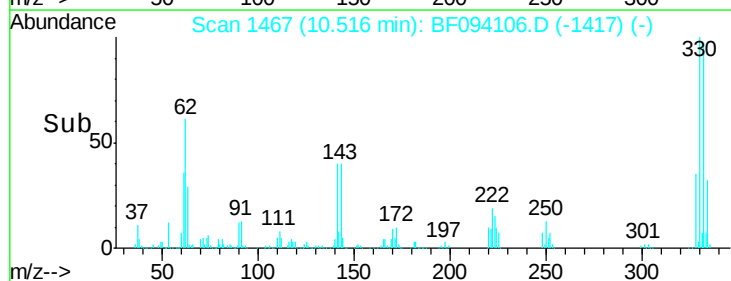
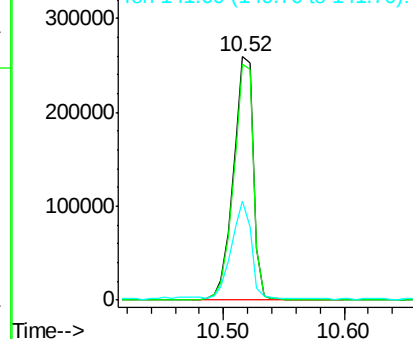


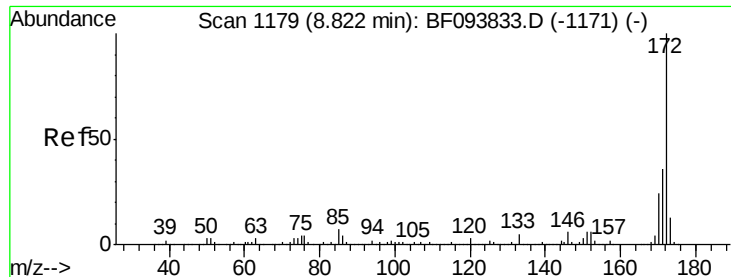
#41
2,4,6-Tribromophenol
Concen: 125.78 ng
RT: 10.52 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.6	115.0	
141	39.0	31.4	47.2	



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





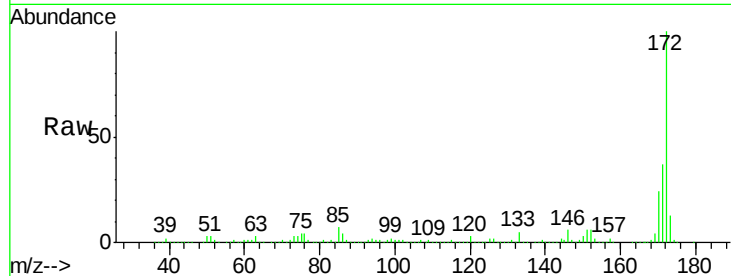
#44
2-Fluorobiphenyl
Concen: 80.36 ng
RT: 8.73 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

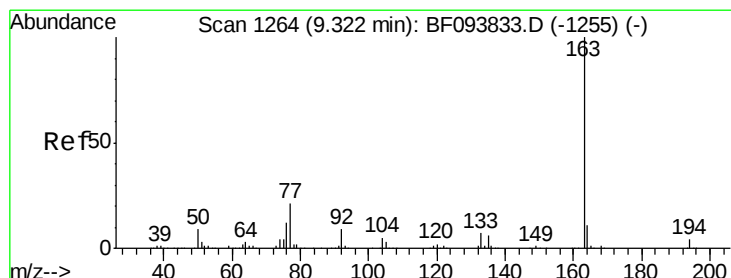
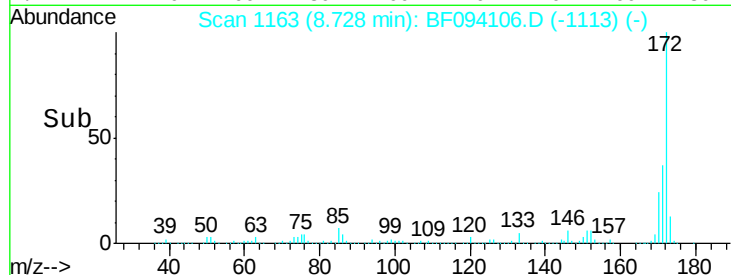
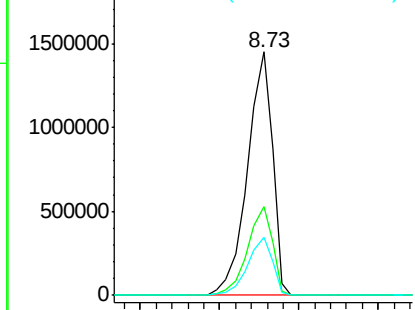
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.0	19.8	29.8

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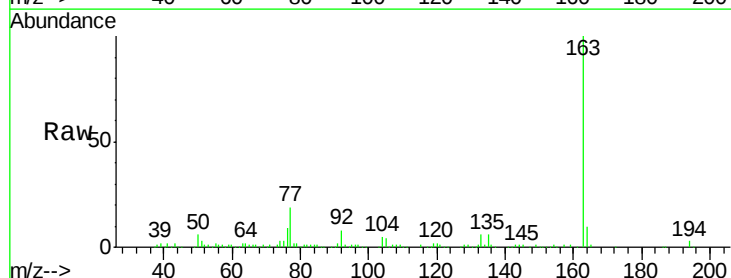


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

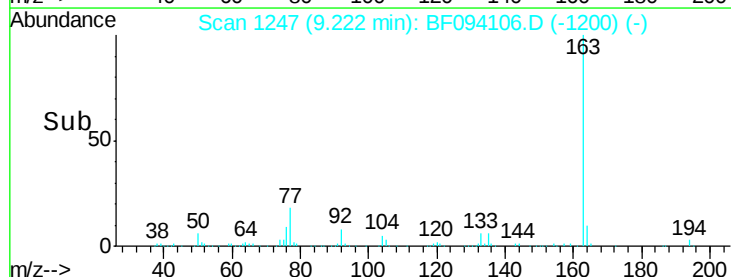
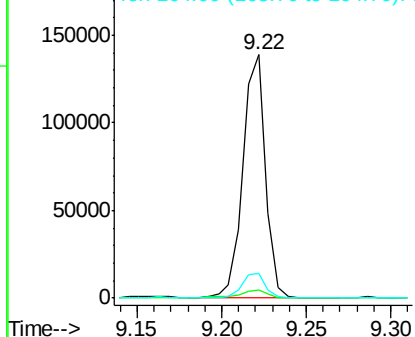


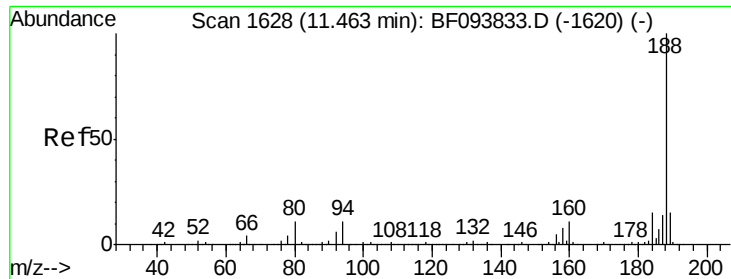
#49
Dimethylphthalate
Concen: 6.02 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

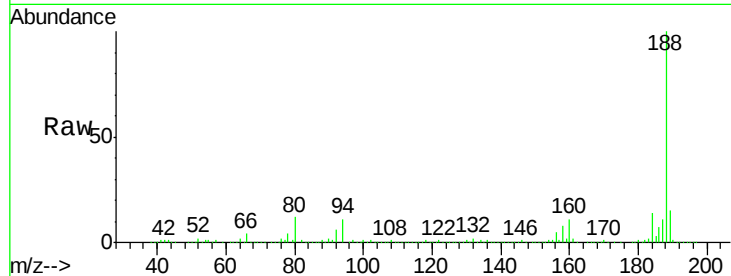
ClientSampleId :

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Tot Ion:	188	Resp:	480873
Ion Ratio	Lower	Upper	
188	100		
94	11.4	9.4	14.2
80	12.1	10.2	15.2

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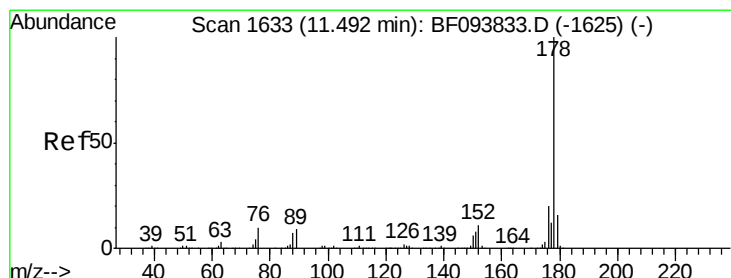
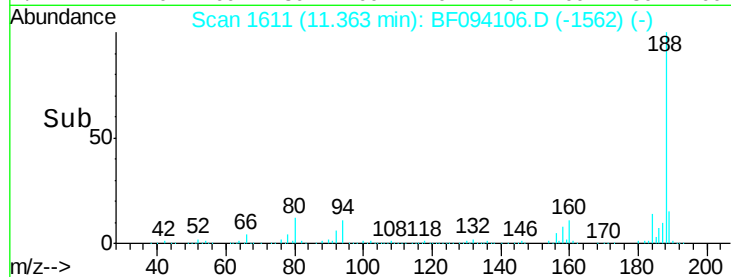
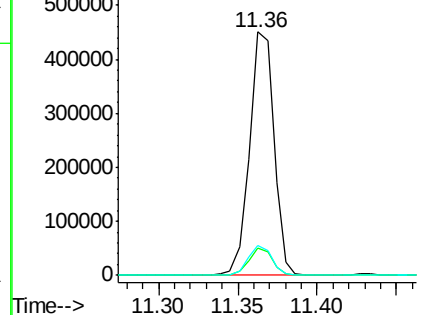
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 12.08 ng

RT: 11.39 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF094106.D

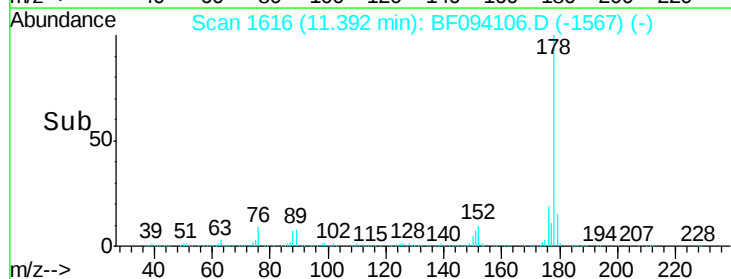
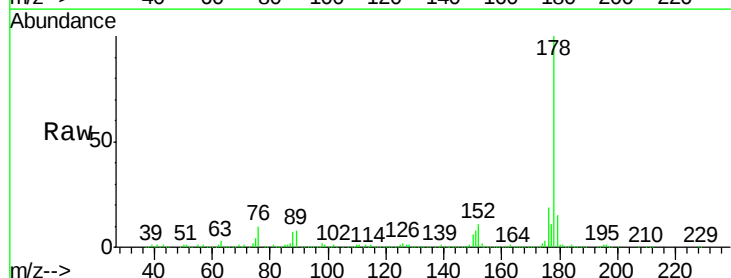
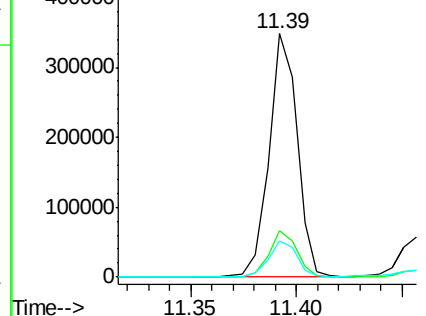
Acq: 31 Mar 2017 19:52

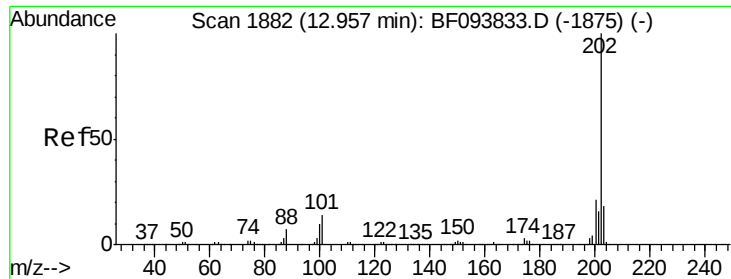
Tgt Ion:	178	Resp:	323057
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	14.9	12.6	19.0

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





#74

Fluoranthene

Concen: 15.50 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

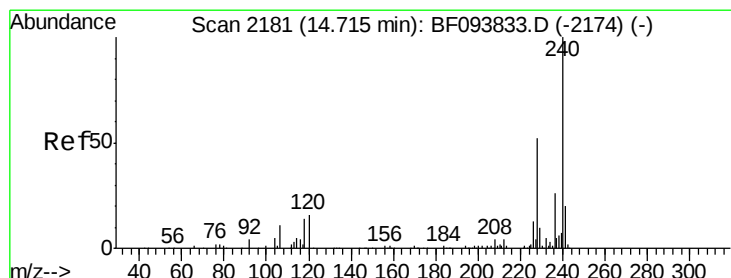
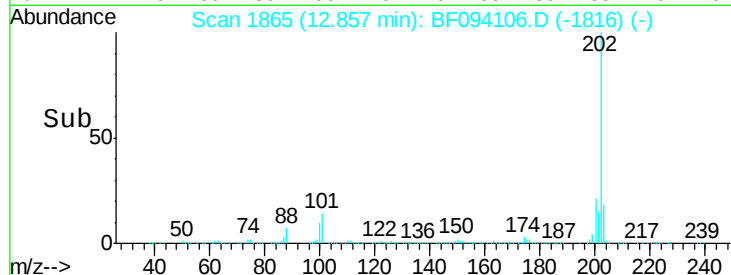
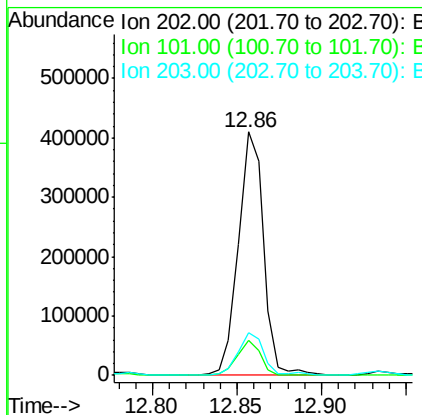
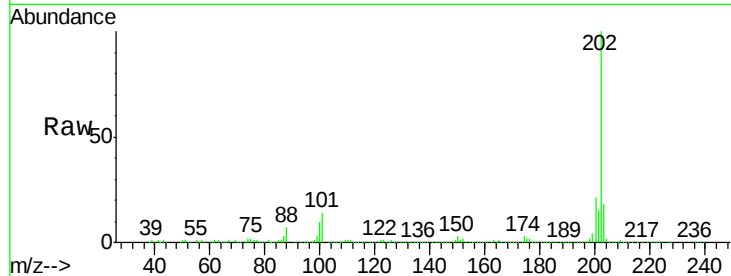
ClientSampleId :

E2-R12-BASE

Tot Ion:	202	Resp:	424463
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

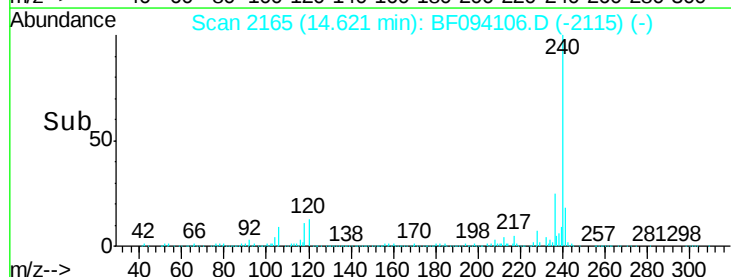
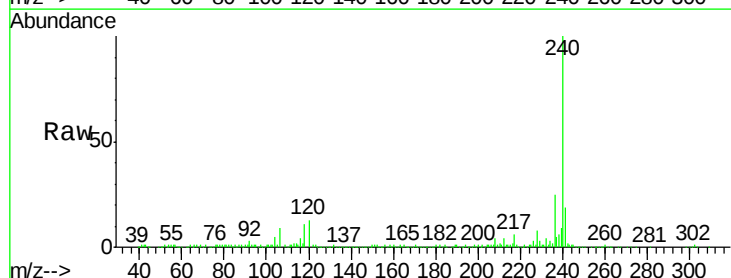
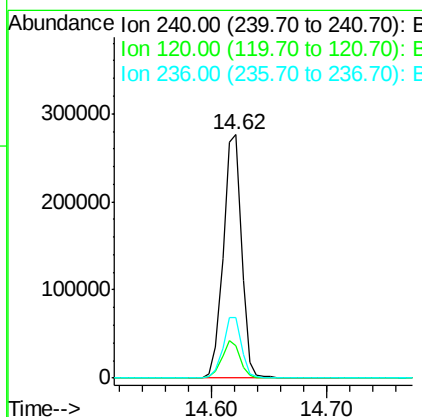
RT: 14.62 min Scan# 2165

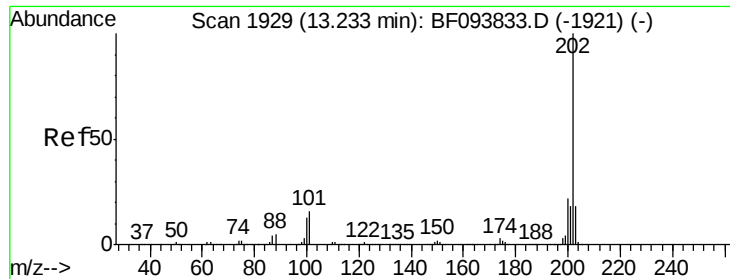
Delta R.T. -0.01 min

Lab File: BF094106.D

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Tgt Ion:	240	Resp:	306017
Ion Ratio	Lower	Upper	
240	100		
120	13.2	5.8	8.8#
236	25.0	20.5	30.7





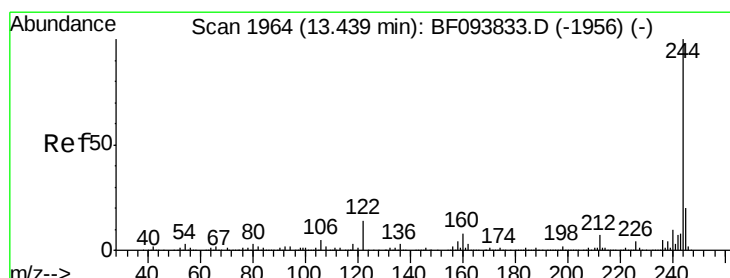
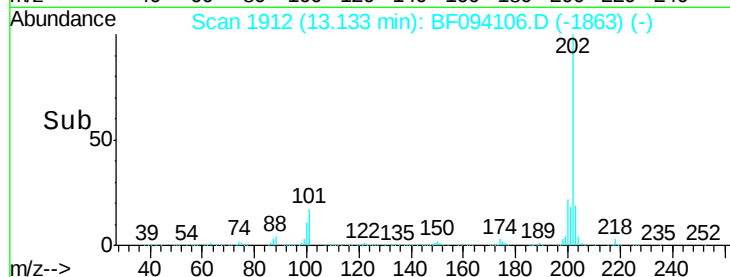
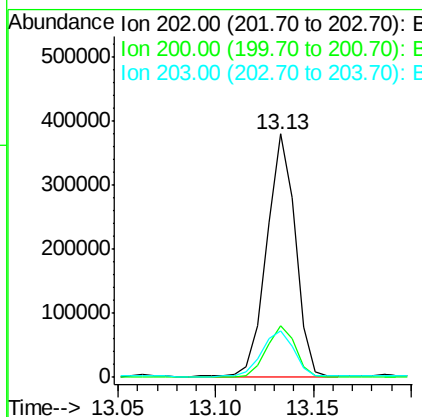
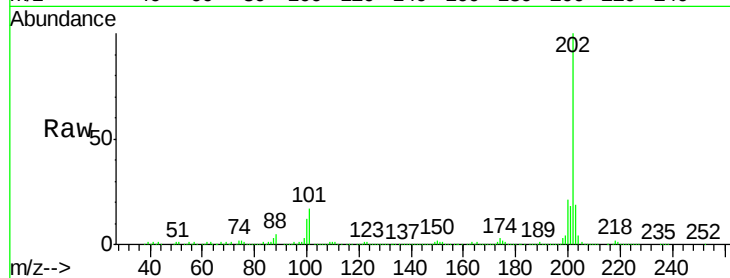
#77
Pvrene
Concen: 17.34 ng
RT: 13.13 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	19.3	14.4	21.6

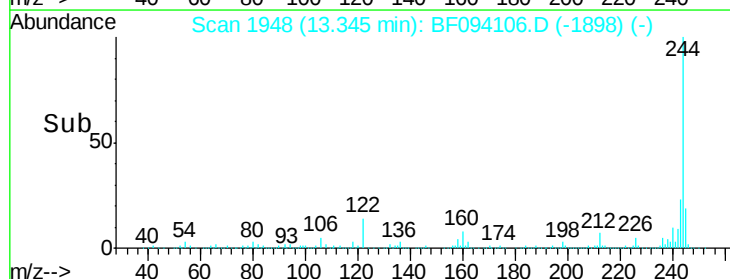
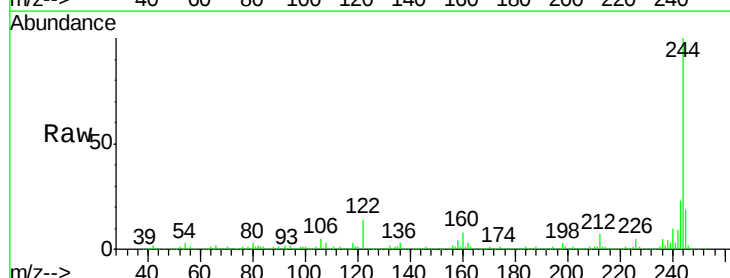
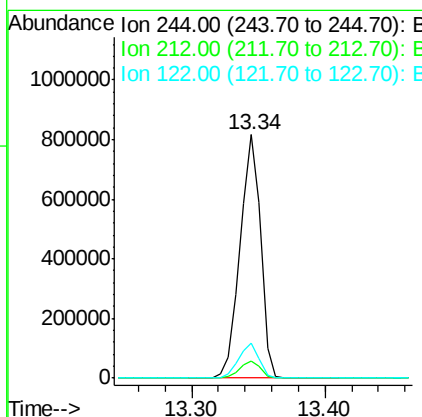
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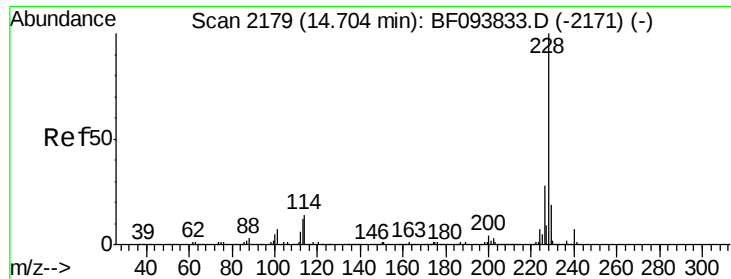
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#78
Terphenyl-d14
Concen: 63.93 ng
RT: 13.34 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.3	10.3	15.5





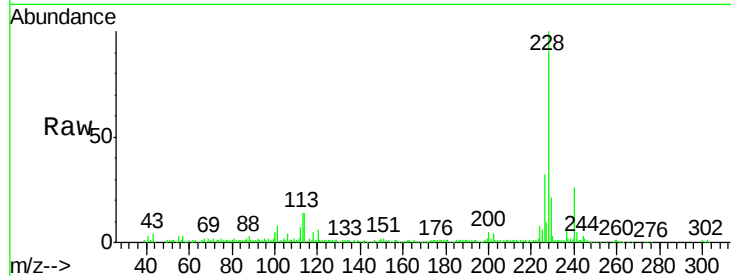
#80
Benzo(a)anthracene
Concen: 9.28 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

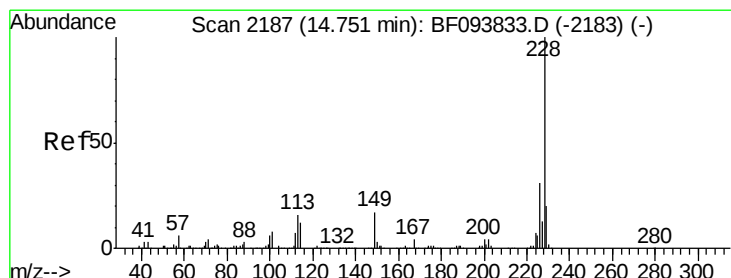
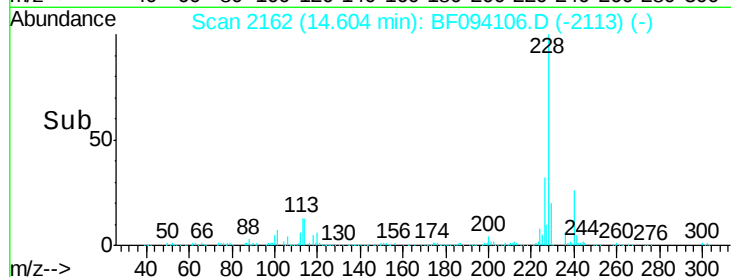
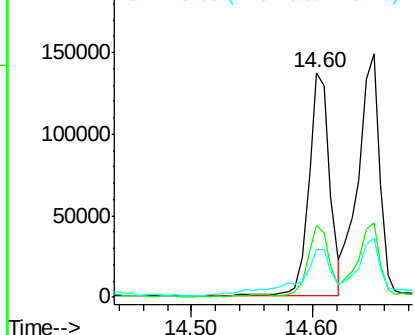
Tot Ion:	228	Resp:	165534
Ion Ratio	Lower	Upper	
228	100		
226	32.1	22.6	33.8
229	21.2	16.3	24.5

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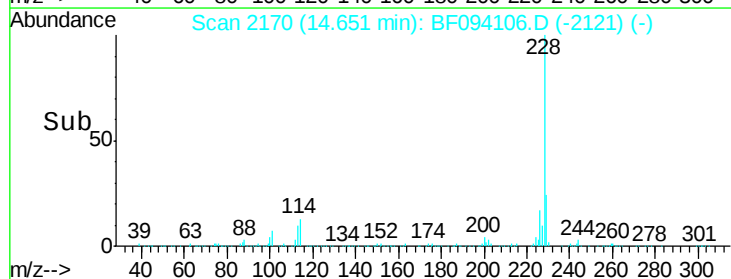
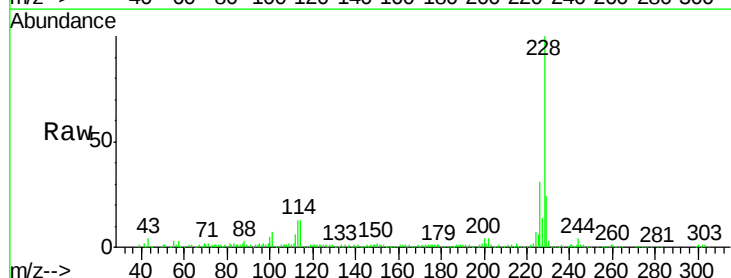
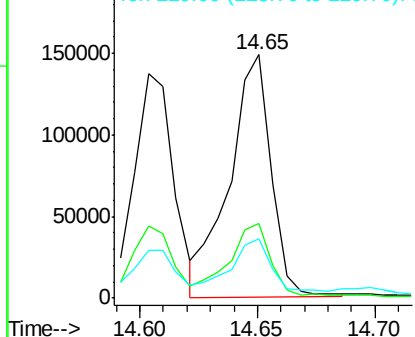
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

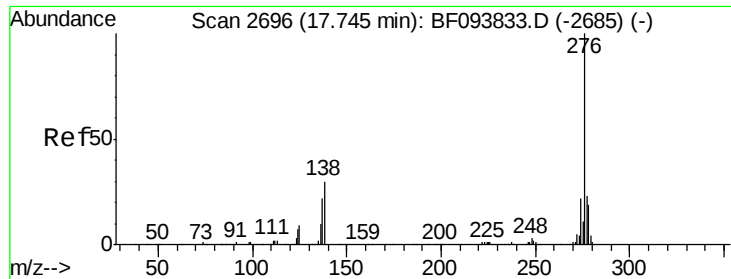


#82
Chrysene
Concen: 11.15 ng m
RT: 14.65 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion:	228	Resp:	184561
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	24.3	15.8	23.6#

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





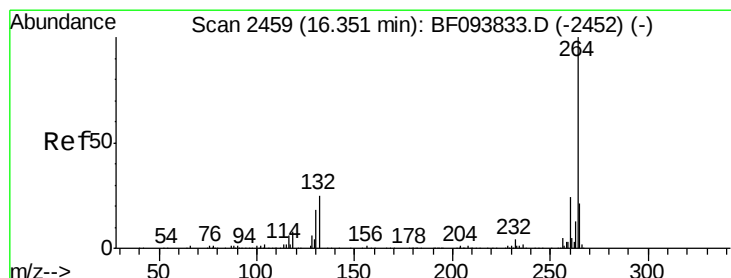
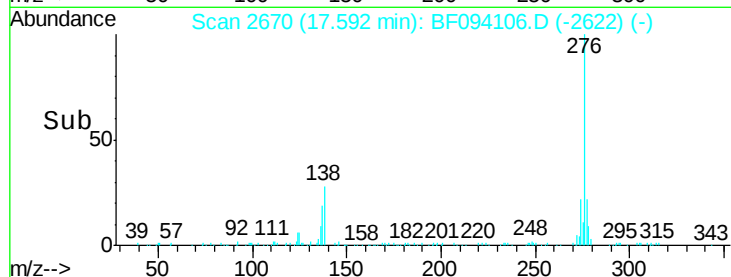
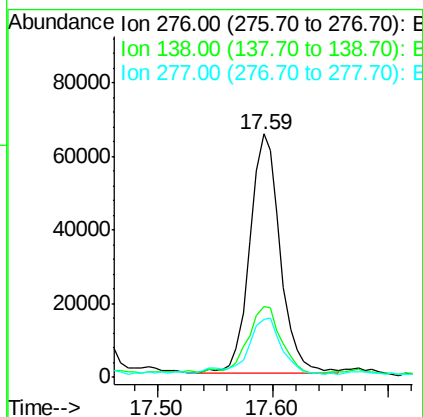
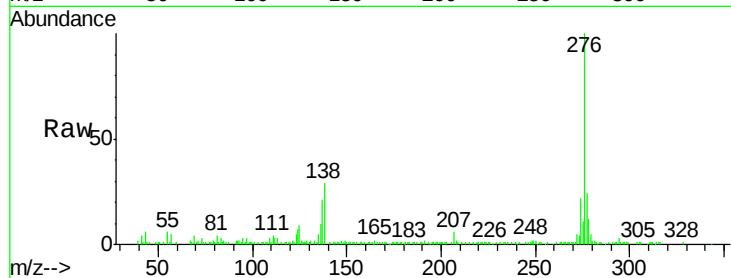
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.37 ng
RT: 17.59 min Scan# 2670
Delta R.T. -0.02 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	26.8	20.2	30.4

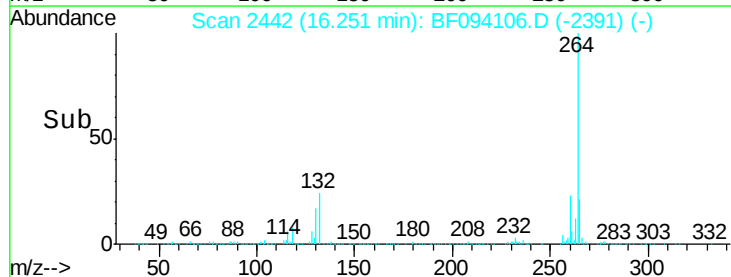
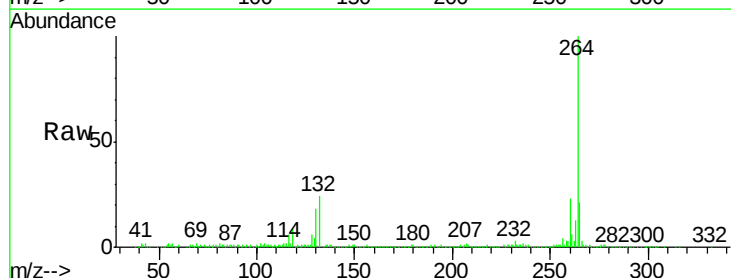
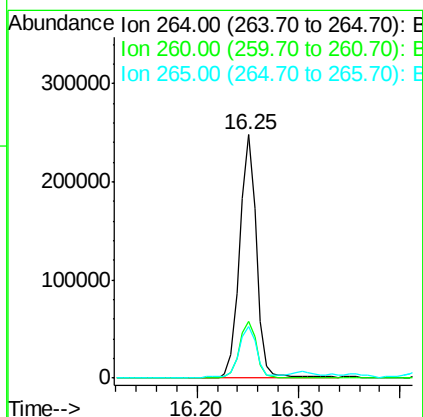
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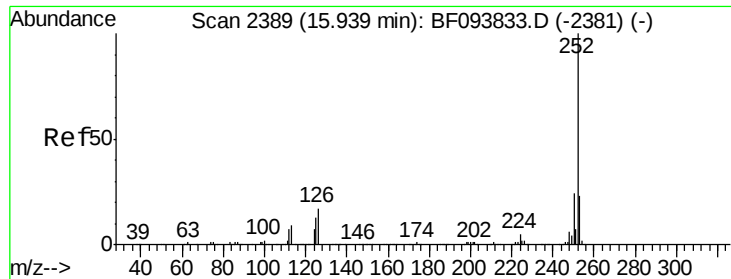
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.27 ng m

RT: 15.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

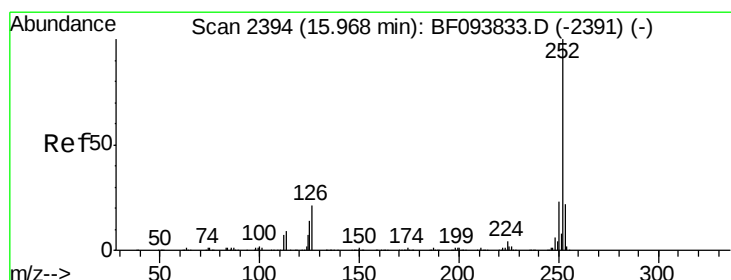
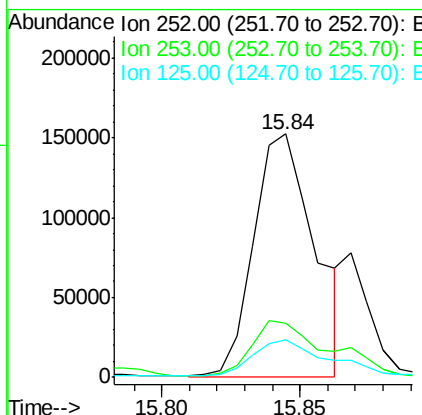
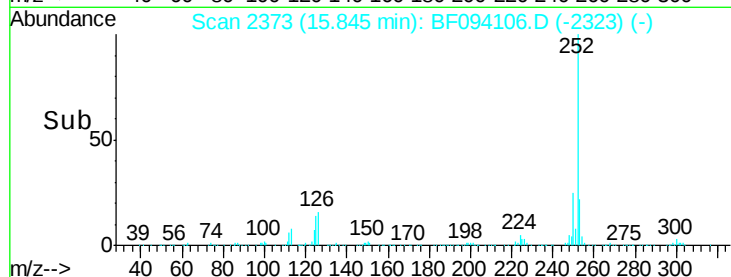
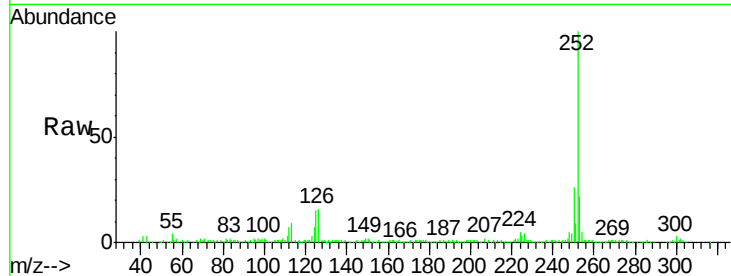
ClientSampleId :

E2-R12-BASE

Tot Ion:	252	Resp:	233973
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	15.2	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 3.20 ng m

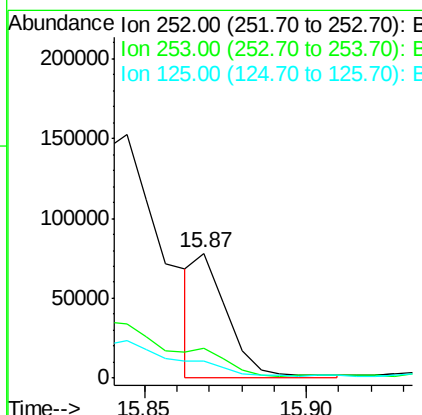
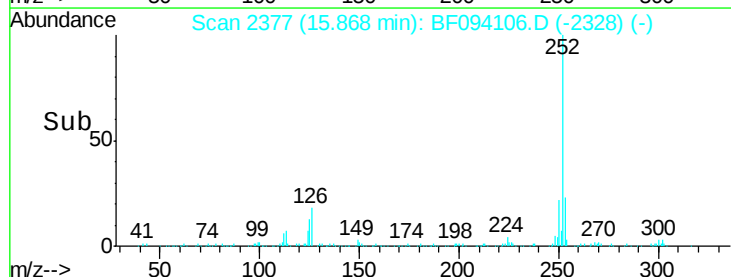
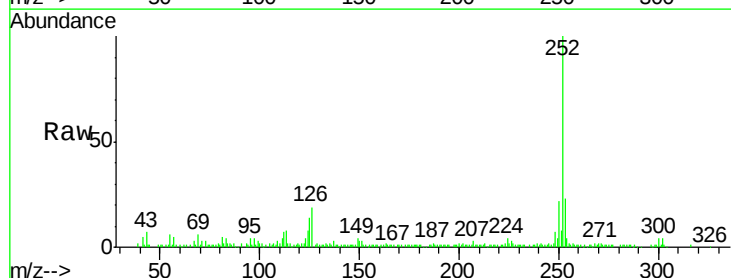
RT: 15.87 min Scan# 2377

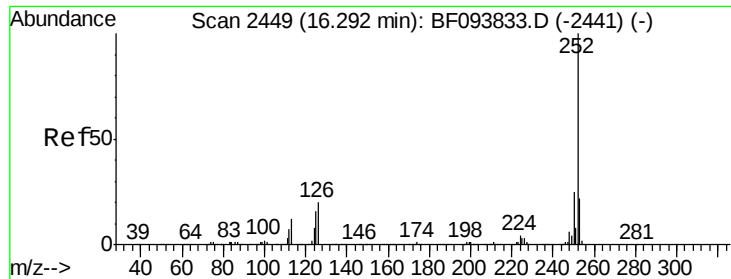
Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Tgt Ion:	252	Resp:	55125
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	13.8	13.1	19.7





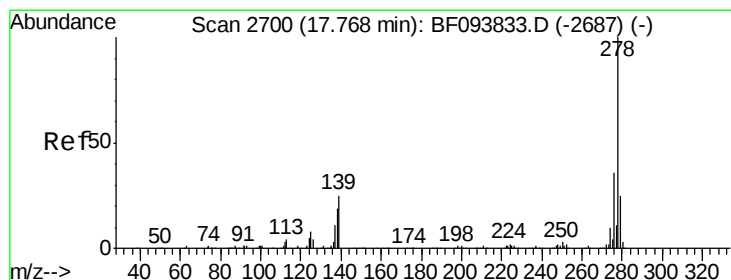
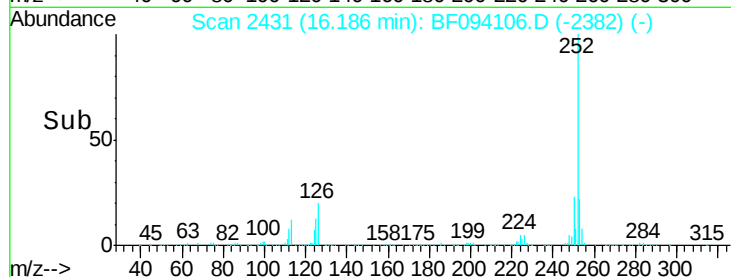
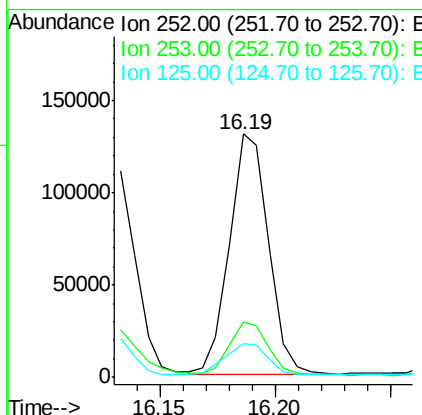
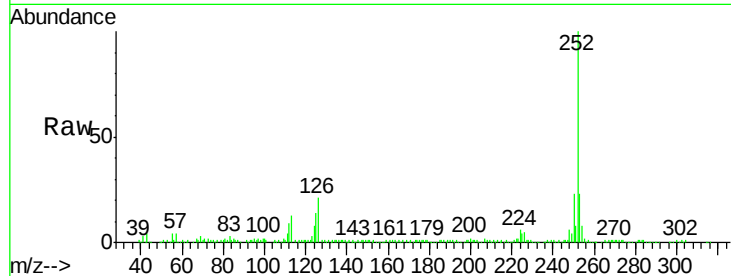
#89
Benzo(a)pyrene
Concen: 9.44 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
E2-R12-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	14.1	11.0	16.4

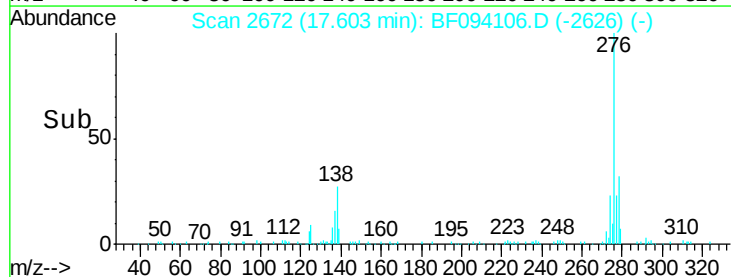
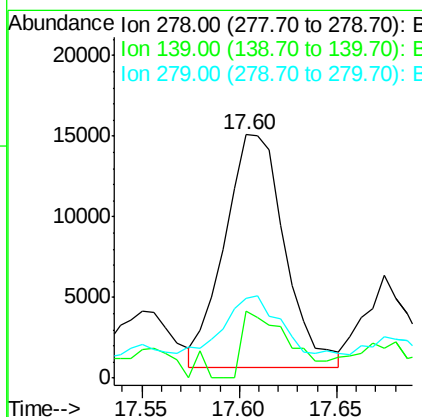
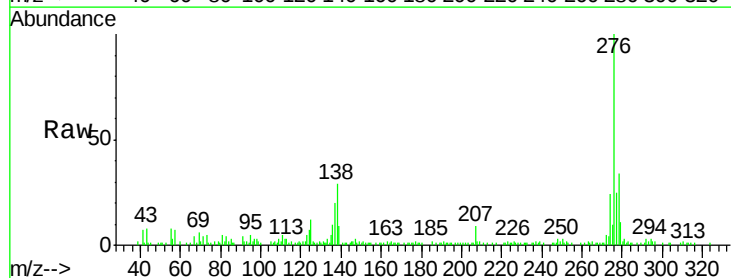
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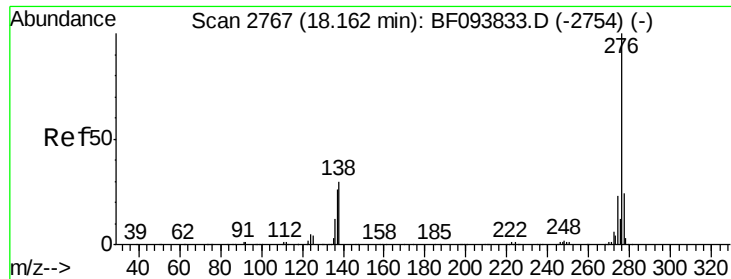
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#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng
RT: 17.60 min Scan# 2672
Delta R.T. -0.03 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	16.6	24.8#
279	33.0	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 10.10 ng
 RT: 17.99 min Scan# 2738
 Delta R.T. -0.02 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-R12-BASE

Tot Ion:	276	Resp:	139997
Ion Ratio		Lower	Upper
276	100		
277	22.1	18.6	28.0
138	30.5	25.4	38.0

Manual Integrations
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