

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094253.D
 Acq On : 7 Apr 2017 5:05
 Operator : SJ/MA
 Sample : I2563-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-BASE

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:21:17 PM

Quant Time: Apr 07 05:32:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	169737	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	666296	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	289841	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	453951	20.00	ng	0.00
75) Chrysene-d12	14.57	240	309727	20.00	ng	0.00
86) Perylene-d12	16.20	264	260400	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1068224	106.30	ng	0.00
7) Phenol-d6	5.46	99	1350962	108.67	ng	0.00
23) Nitrobenzene-d5	6.50	82	785457	67.27	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	233300	101.86	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	927357	48.80	ng	0.00
78) Terphenyl-d14	13.29	244	438487	31.73	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	153504	10.85	ng	96
17) 2-Methylphenol	6.16	107	95275	10.07	ng	95
20) 3+4-Methylphenols	6.34	107	167097	14.58	ng	# 62
27) 2,4-Dimethylphenol	6.96	122	163926	17.32	ng	98
31) Naphthalene	7.38	128	222453	6.94	ng	99
37) 2-Methylnaphthalene	8.22	142	106499	4.99	ng	96
49) Dimethylphthalate	9.17	163	205967	10.00	ng	100
51) Acenaphthene	9.53	154	49270	2.78	ng	99
54) Dibenzofuran	9.75	168	60636	2.51	ng	98
57) Fluorene	10.17	166	70847	3.54	ng	100
70) Phenanthrene	11.35	178	404019	16.00	ng	98
71) Anthracene	11.41	178	61151	2.35	ng	99
74) Fluoranthene	12.81	202	315569	12.20	ng	100
77) Pyrene	13.09	202	258462	11.50	ng	98
80) Benzo(a)anthracene	14.56	228	77508	4.29	ng	96
82) Chrysene	14.60	228	82008m	4.89	ng	
85) Indeno(1,2,3-cd)pyrene	17.52	276	31696	2.18	ng	96
87) Benzo(b)fluoranthene	15.79	252	85392m	5.35	ng	
89) Benzo(a)pyrene	16.13	252	56544	3.85	ng	# 95
91) Benzo(a,h,i)perylene	17.90	276	33029	2.63	ng	99

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

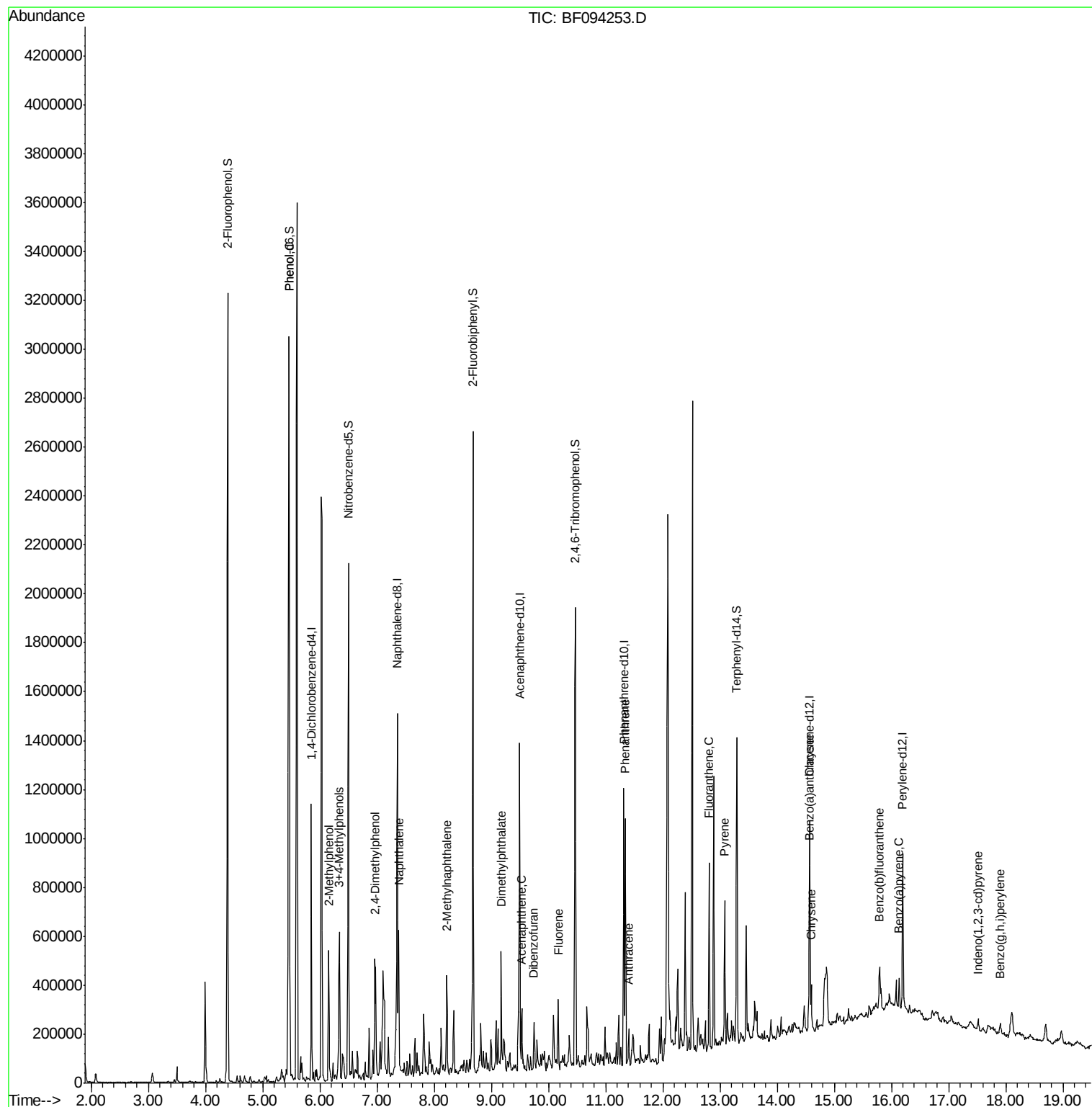
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094253.D
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Misc :
ALS Vial : 35 Sample Multiplier: 1

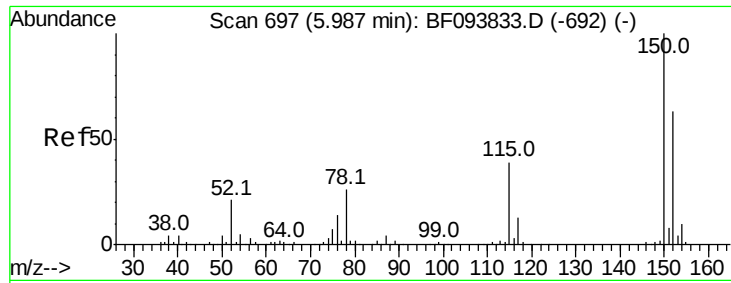
Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Manual Integrations
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#1

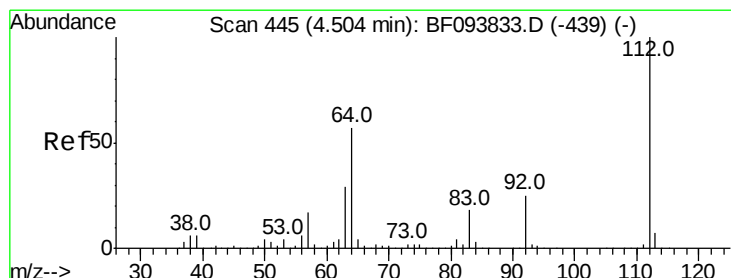
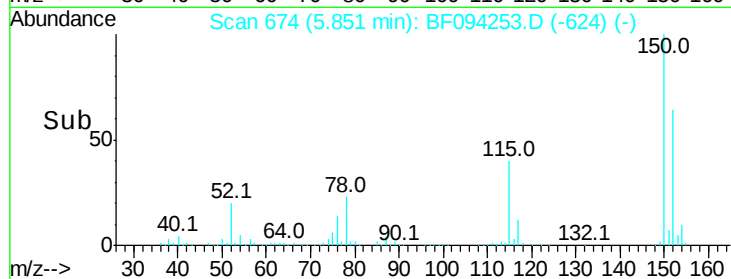
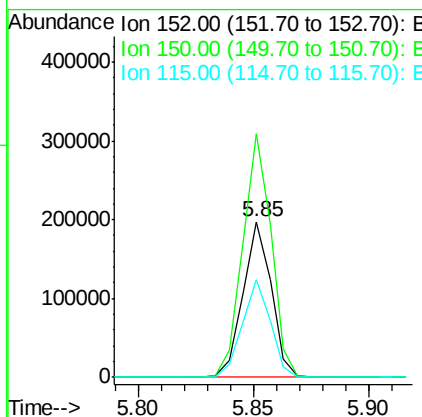
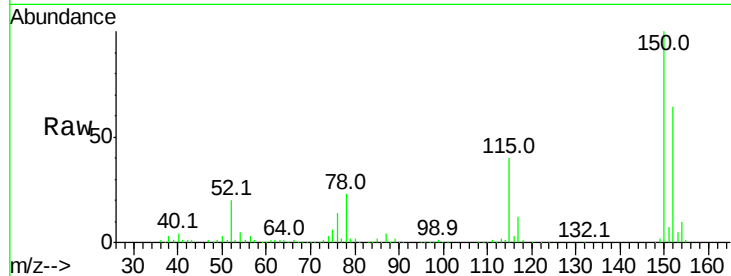
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	63.1	52.2	78.2

Manual Integrations
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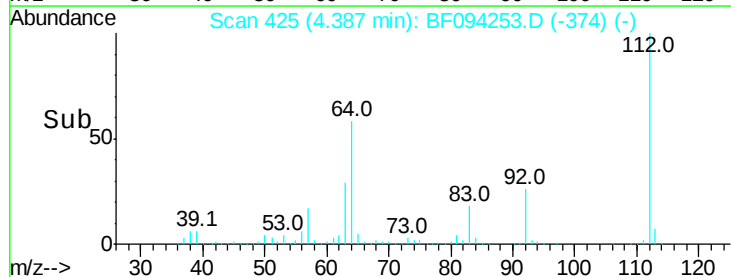
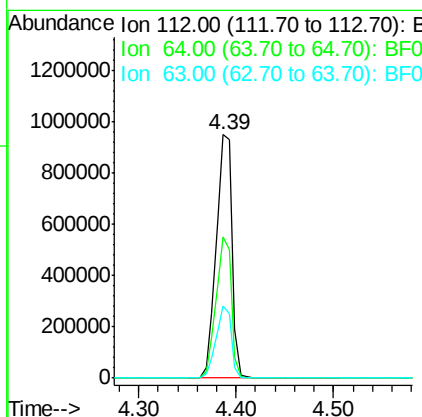
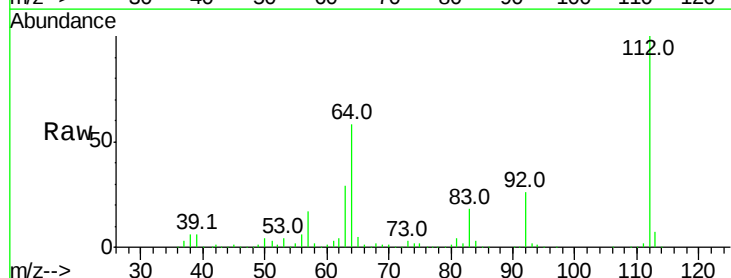
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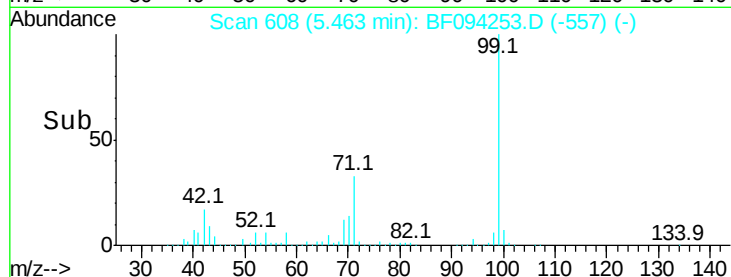
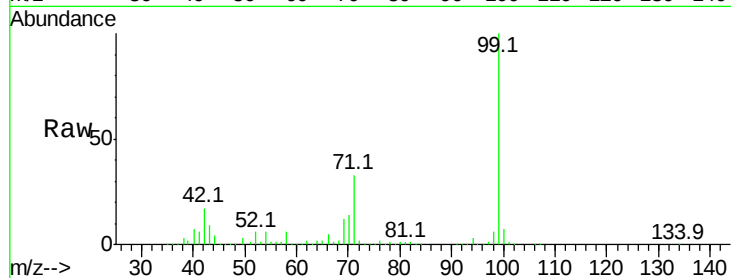
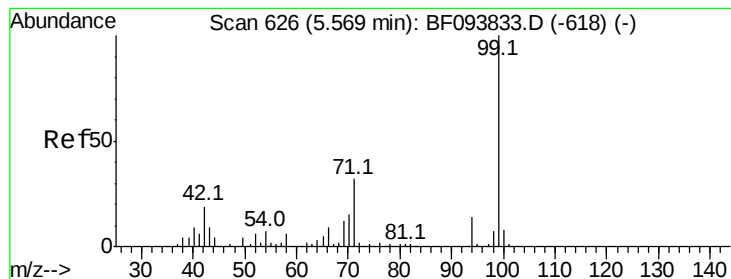


#5

2-Fluorophenol
Concen: 106.30 ng
RT: 4.39 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.0	69.0
63	29.4	23.4	35.0





#7

Phenol-d6

Concen: 108.67 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Tot Ion: 99 Resp: 1350962

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 32.6 24.5 36.7

Instrument :

BNA_F

ClientSampled :

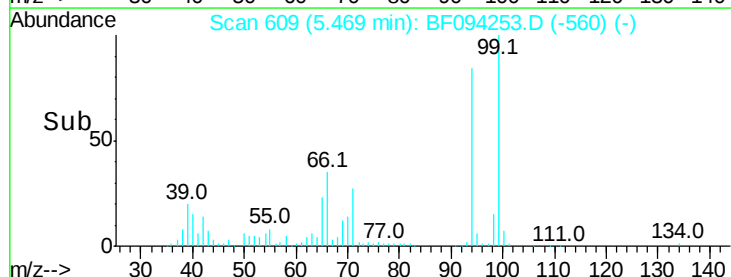
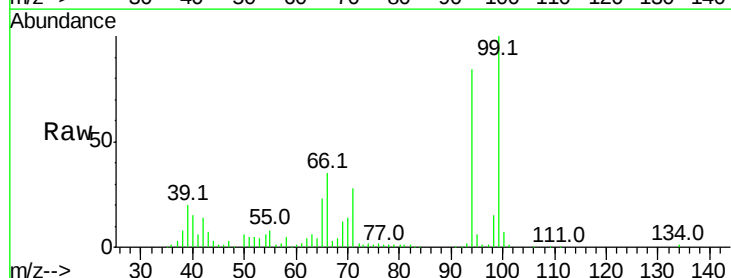
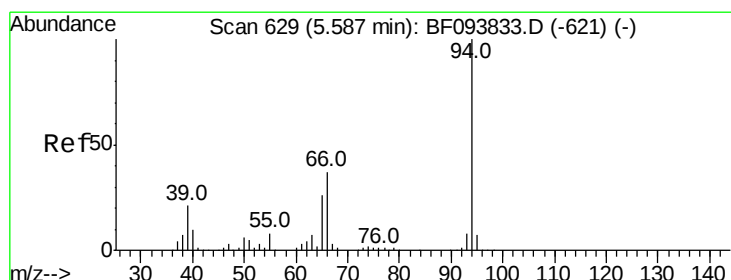
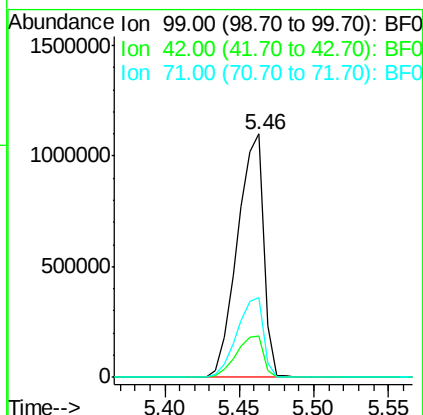
E2-AA10-BASE

Manual Integrations

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#10

Phenol

Concen: 10.85 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

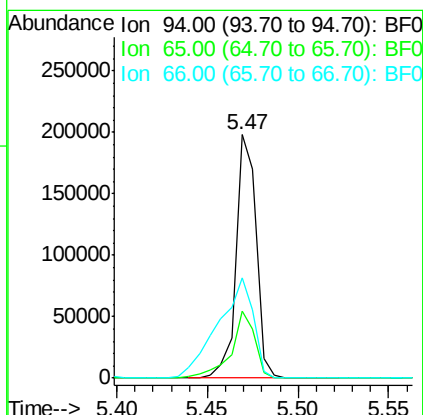
Tgt Ion: 94 Resp: 153504

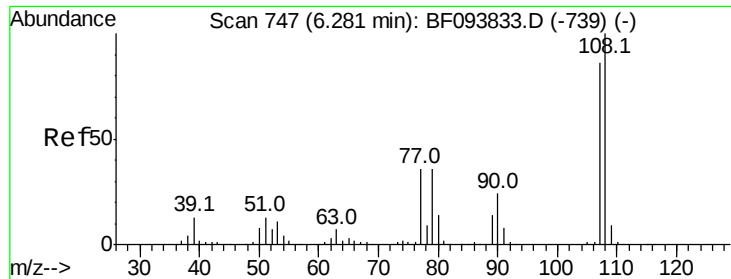
Ion Ratio Lower Upper

94 100

65 27.5 9.9 49.9

66 41.1 23.1 63.1





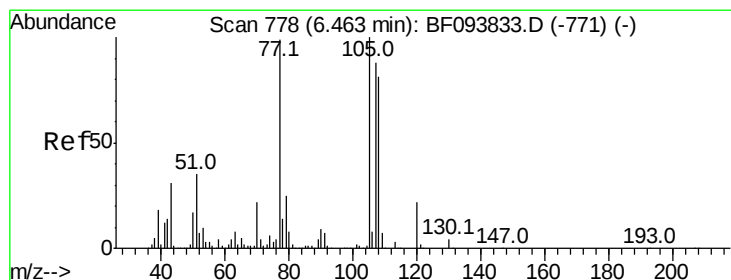
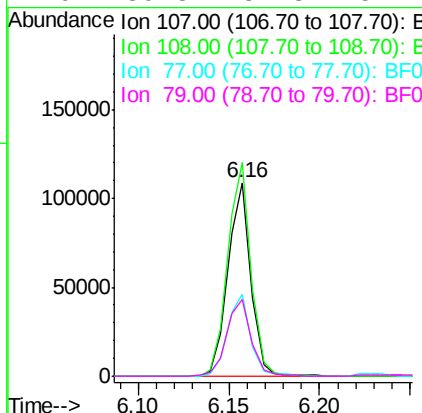
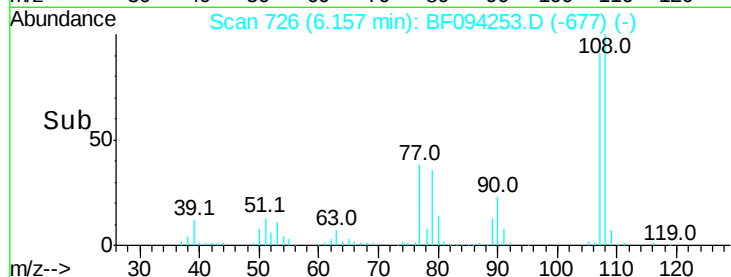
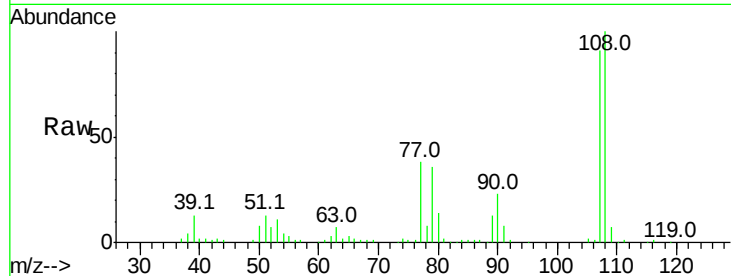
#17
2-Methylphenol
Concen: 10.07 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.2	93.4	140.0
77	42.1	35.8	53.6
79	39.8	34.8	52.2

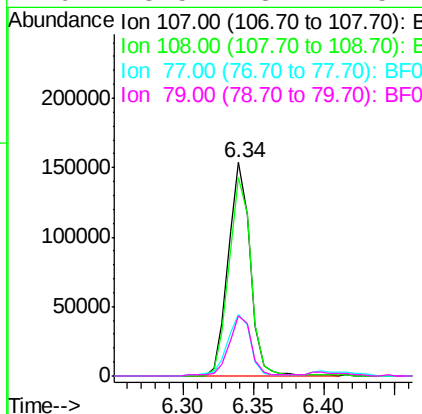
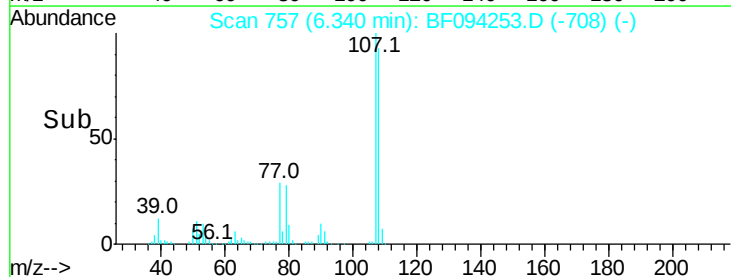
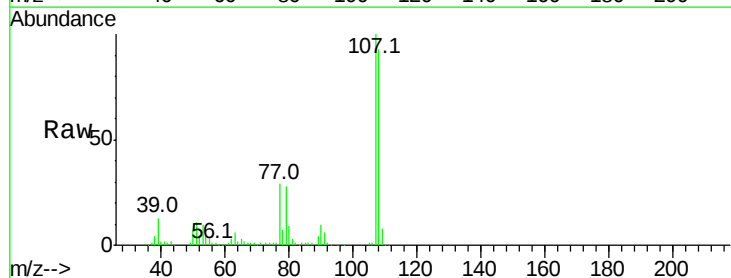
Manual Integrations
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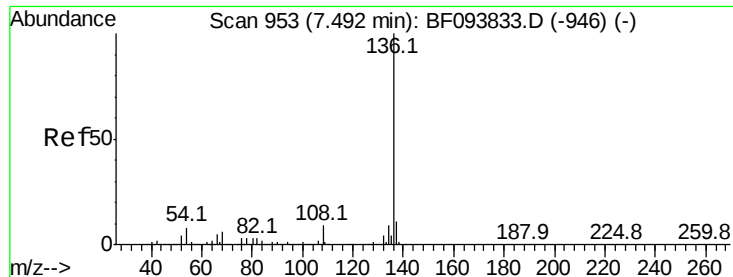
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#20
3+4-Methylphenols
Concen: 14.58 ng
RT: 6.34 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.9	71.0	111.0
77	29.1	90.5	130.5#
79	28.5	8.4	48.4





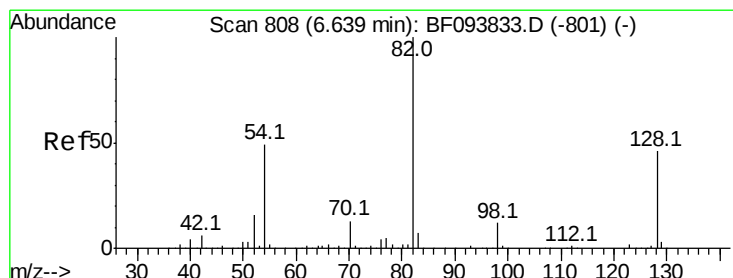
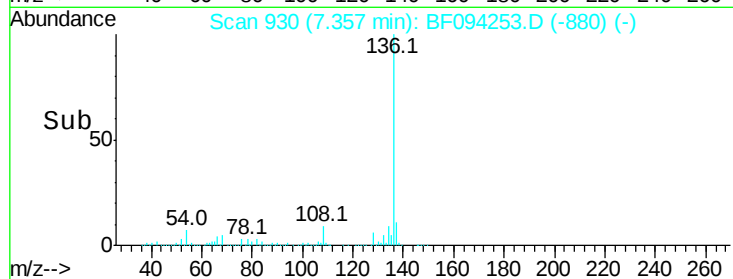
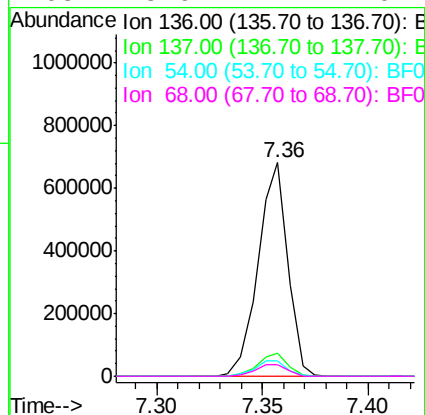
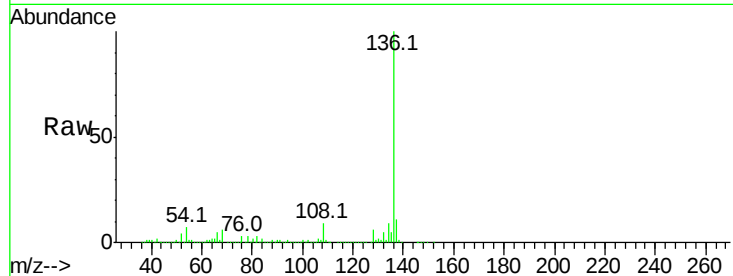
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.2	4.9	7.3
68	5.6	4.1	6.1

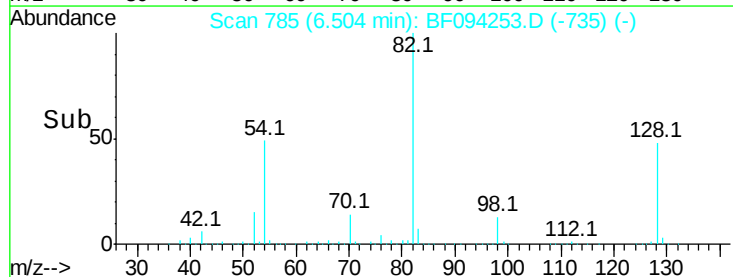
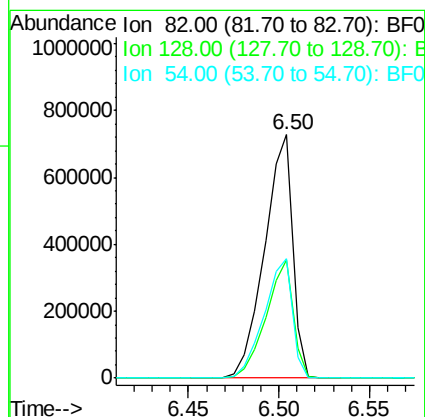
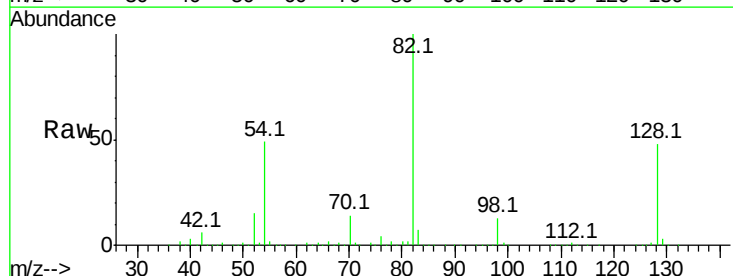
Manual Integrations
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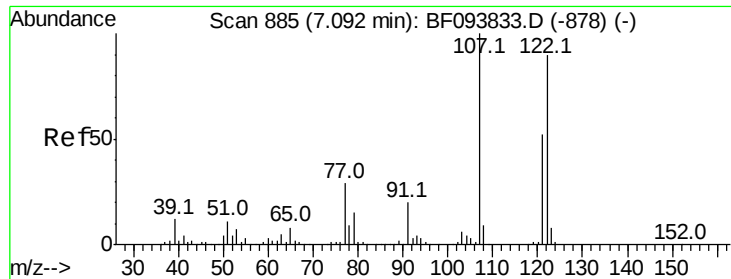
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#23
Nitrobenzene-d5
Concen: 67.27 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.4	34.0	51.0
54	48.9	42.2	63.2





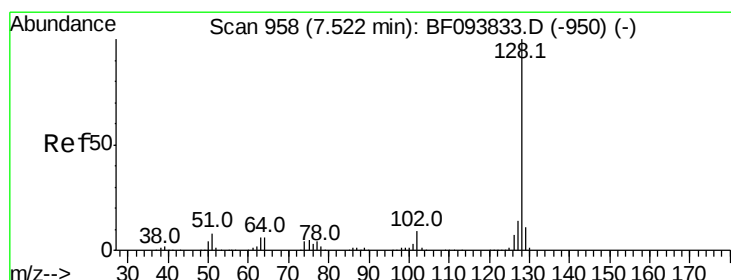
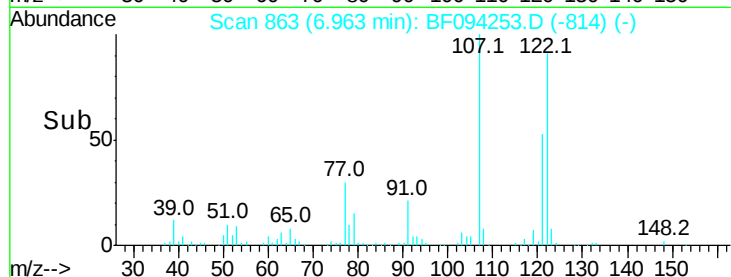
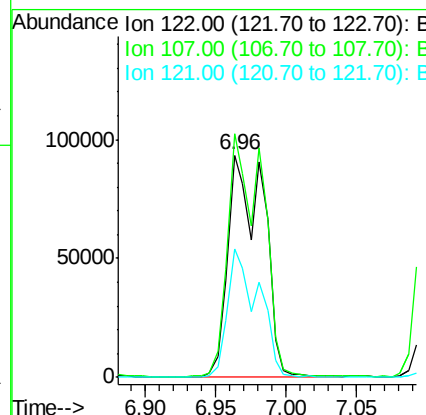
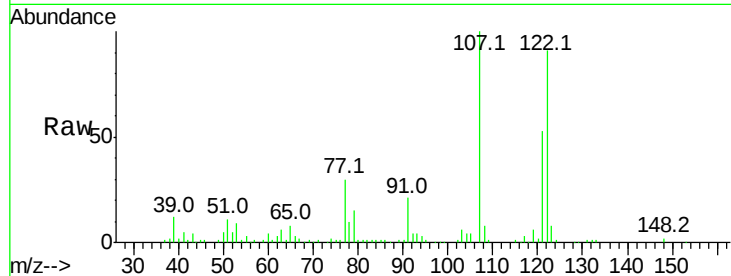
#27
2,4-Dimethylphenol
Concen: 17.32 ng
RT: 6.96 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.7	89.2	133.8
121	58.1	45.2	67.8

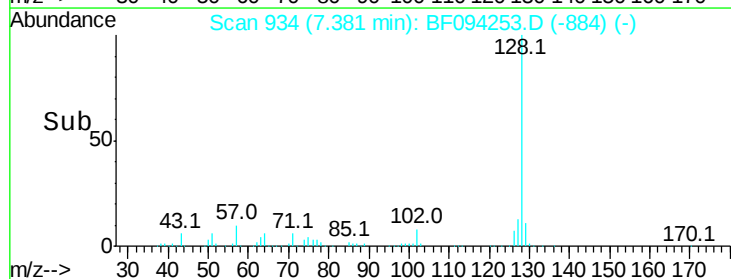
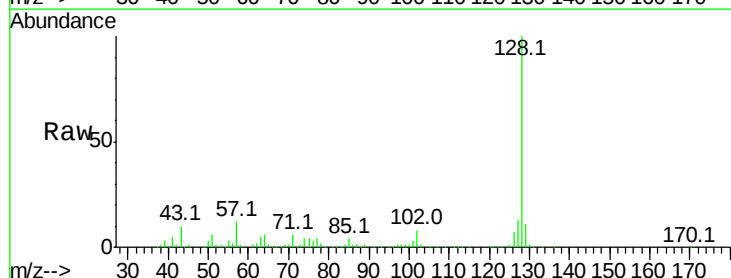
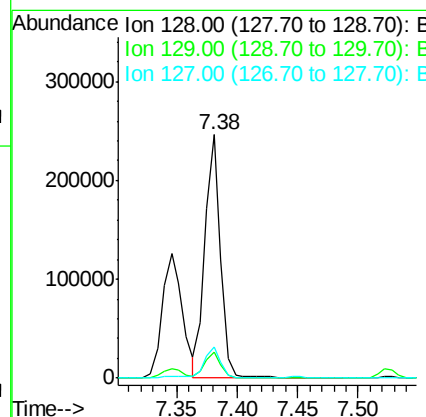
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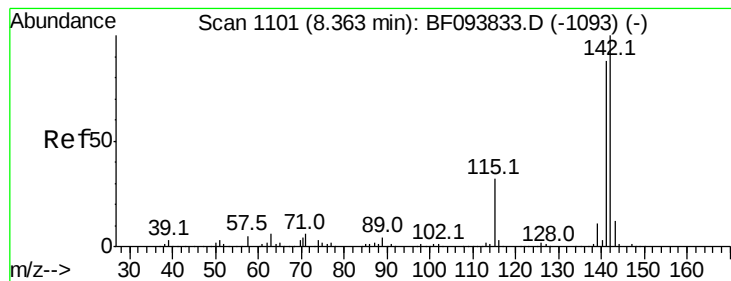
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#31
Naphthalene
Concen: 6.94 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.0	10.8	16.2





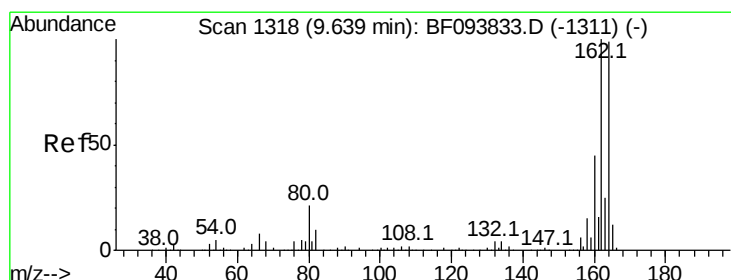
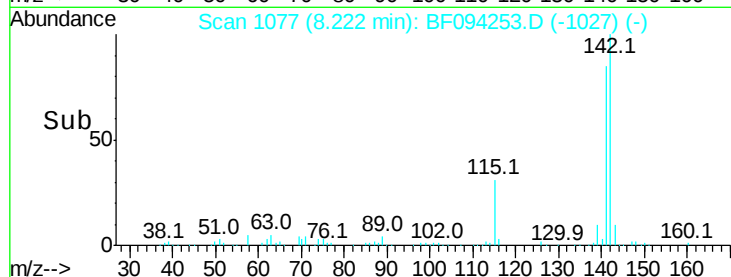
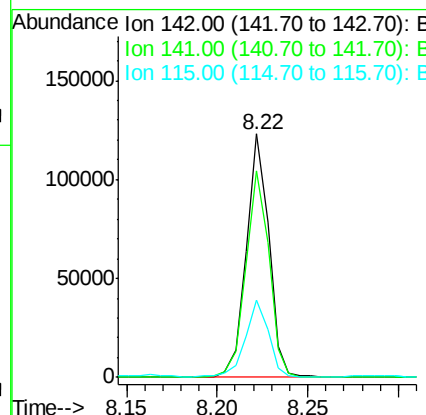
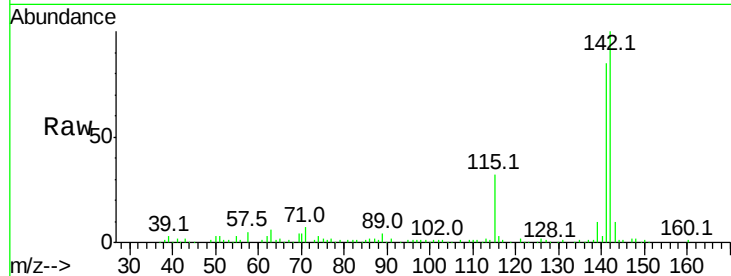
#37
2-Methylnaphthalene
Concen: 4.99 ng
RT: 8.22 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.8	71.3	106.9
115	31.7	27.1	40.7

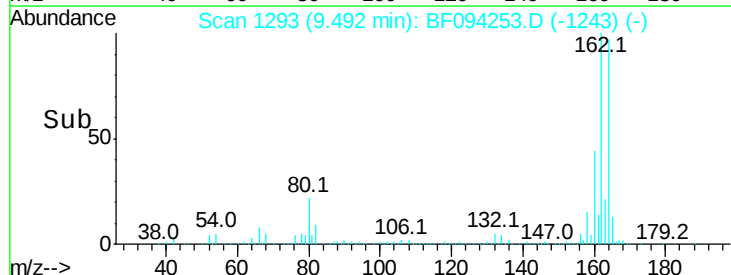
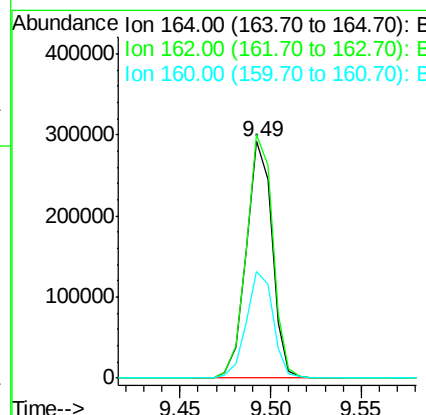
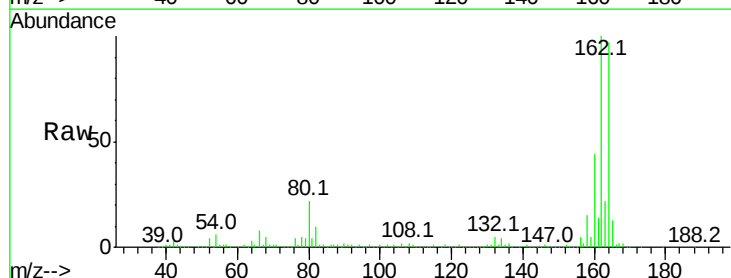
Manual Integrations
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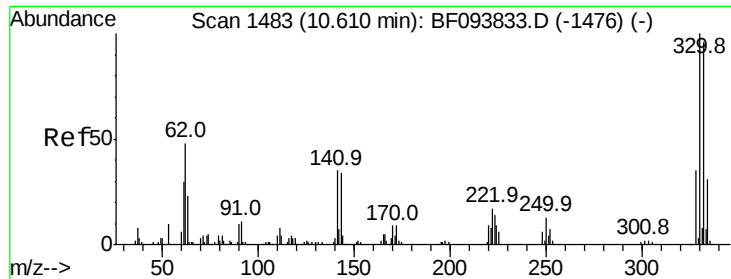
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.49 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	44.9	36.2	54.2





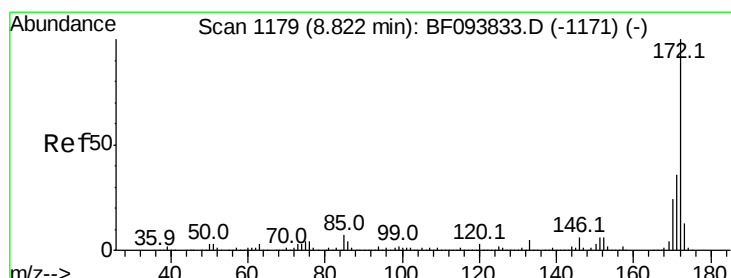
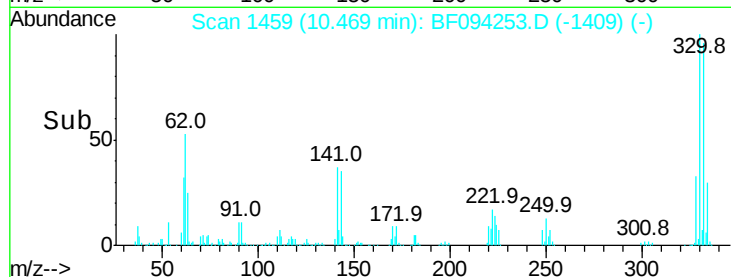
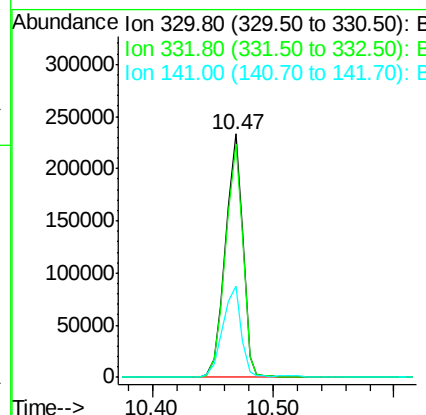
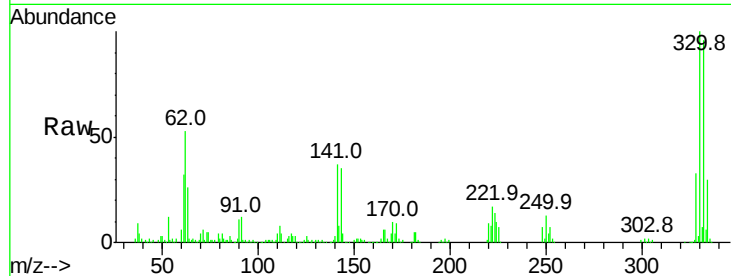
#41
 2,4,6-Tribromophenol
 Concen: 101.86 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094253.D
 Acq: 7 Apr 2017 5:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	233300		
332	95.8	76.6	115.0	
141	38.6	31.4	47.2	

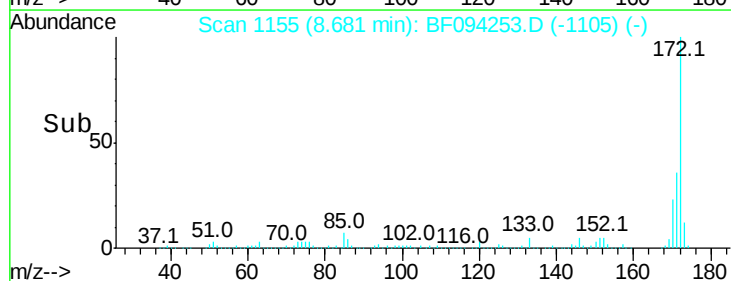
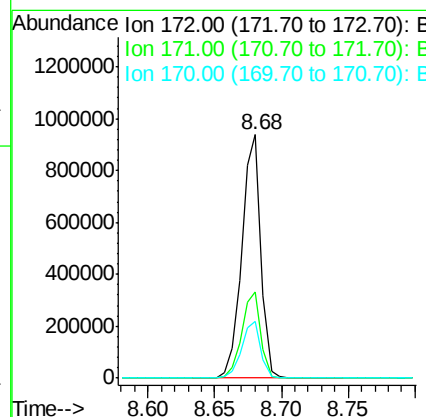
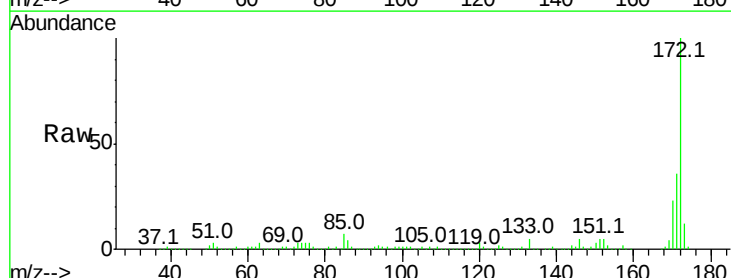
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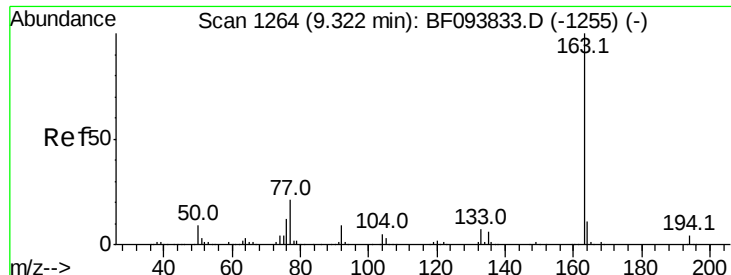
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 48.80 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094253.D
 Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	927357		
171	35.5	29.6	44.4	
170	23.3	19.8	29.8	





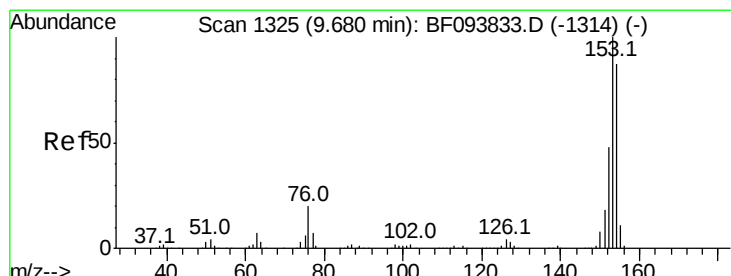
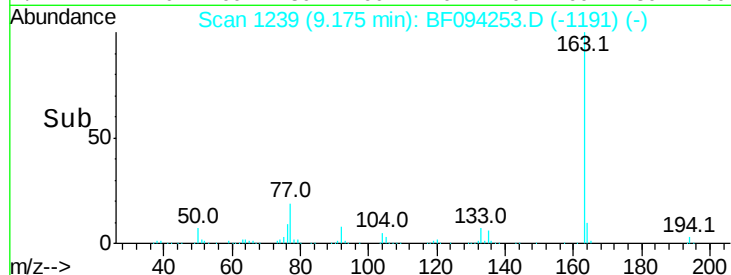
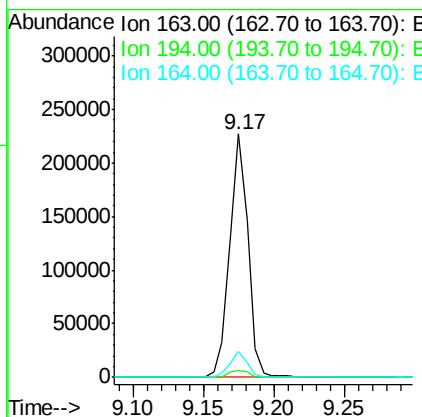
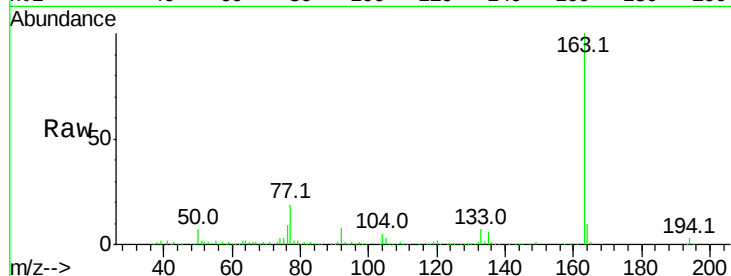
#49
Dimethylphthalate
Concen: 10.00 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	205967		
194	3.1		2.6	4.0
164	10.4		8.4	12.6

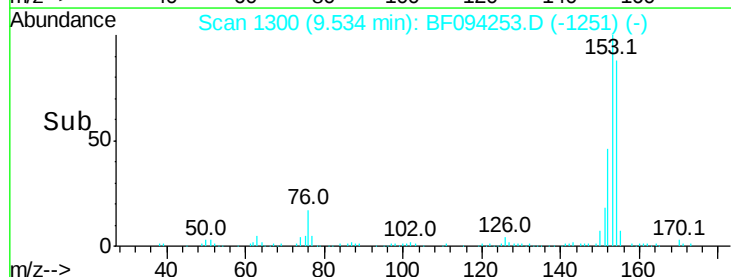
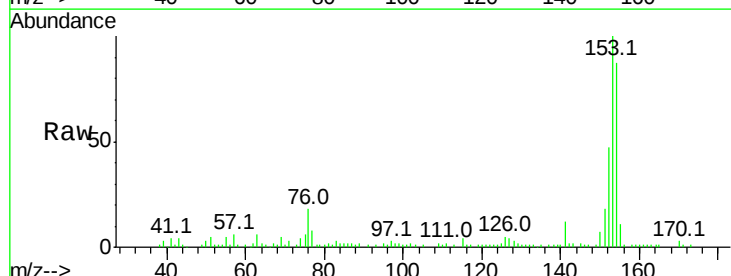
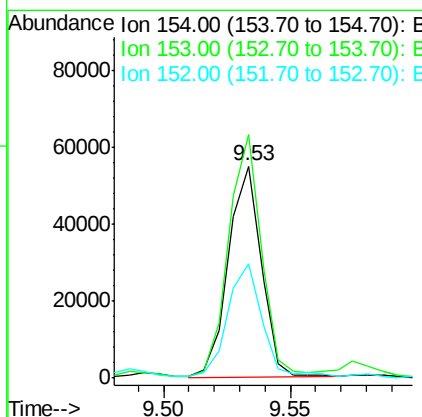
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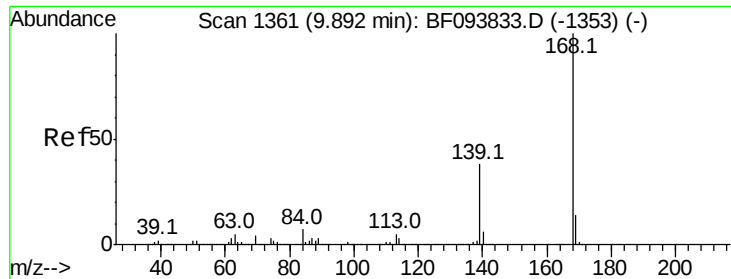
mohammad
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#51
Acenaphthene
Concen: 2.78 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	49270		
153	115.1		90.5	135.7
152	54.2		43.6	65.4





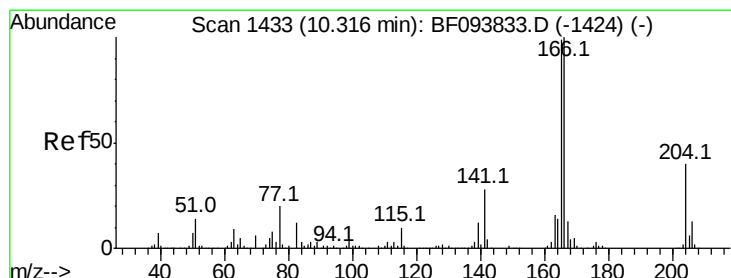
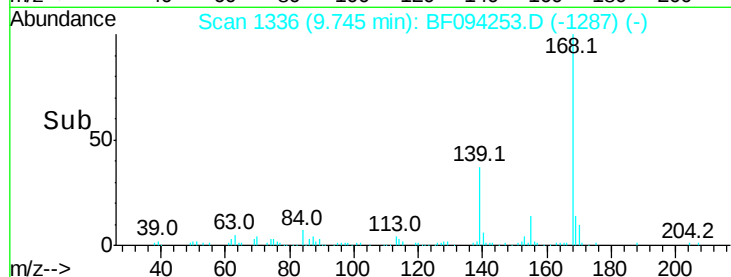
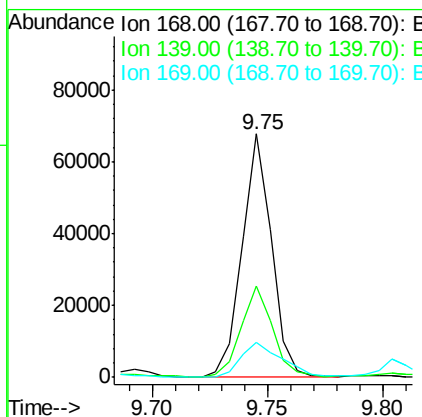
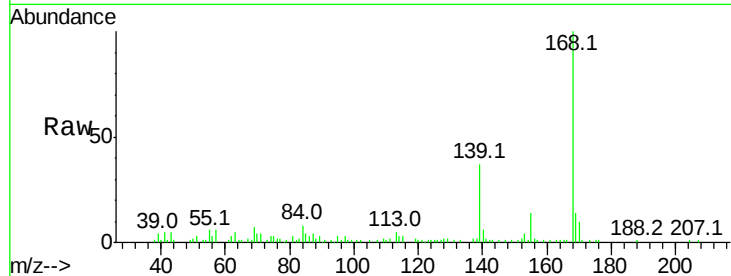
#54
Dibenzofuran
Concen: 2.51 ng
RT: 9.75 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.6	45.8
169	14.4	10.8	16.2

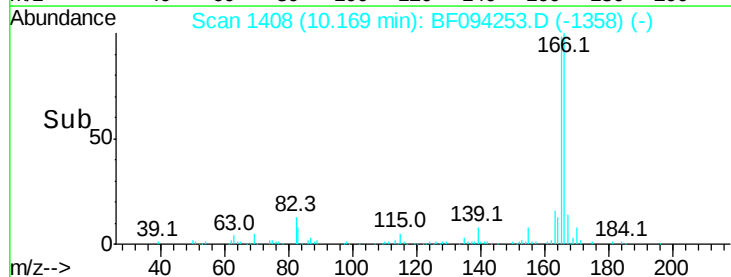
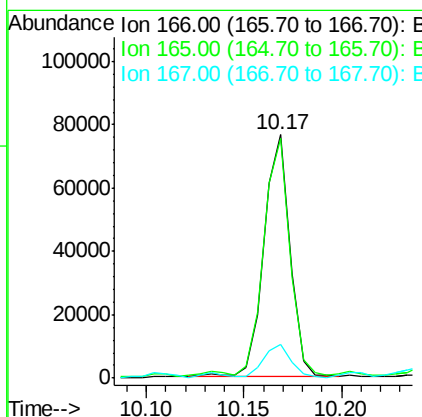
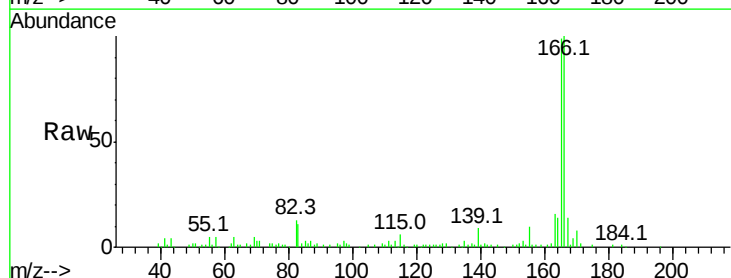
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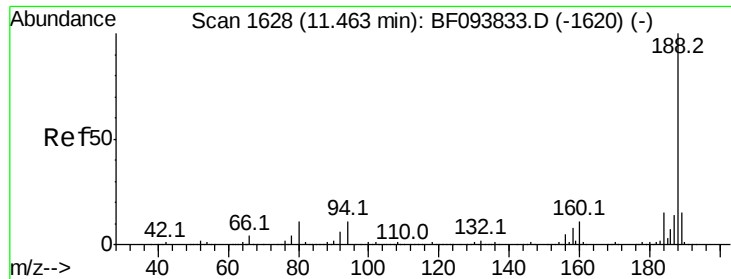
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#57
Fluorene
Concen: 3.54 ng
RT: 10.17 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.8	118.2
167	13.8	10.6	16.0





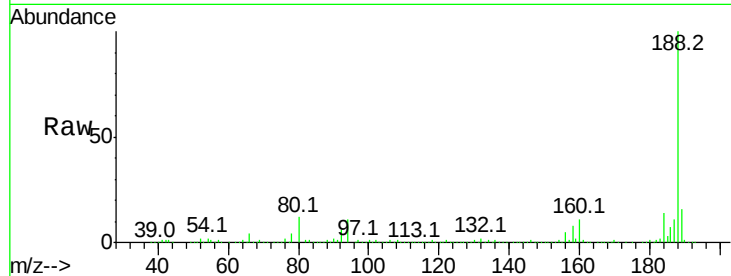
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	453951		
94	11.5		9.4	14.2
80	11.7		10.2	15.2

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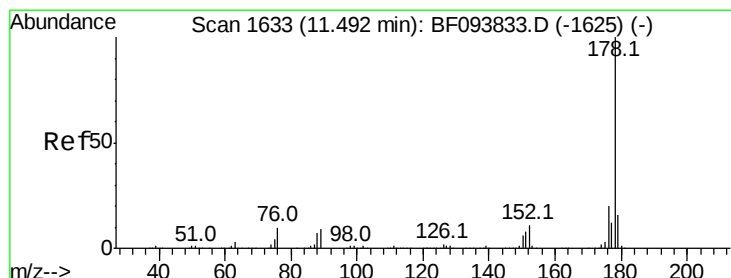
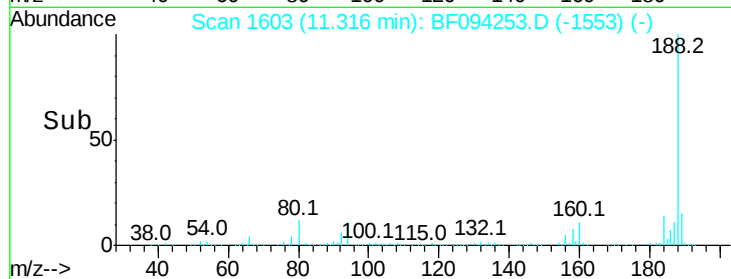
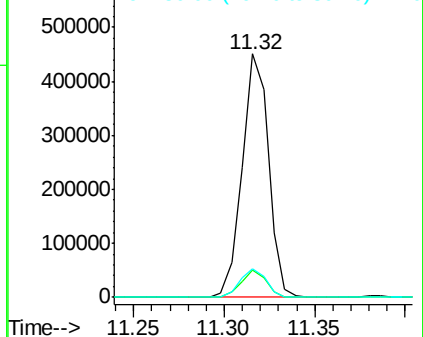
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



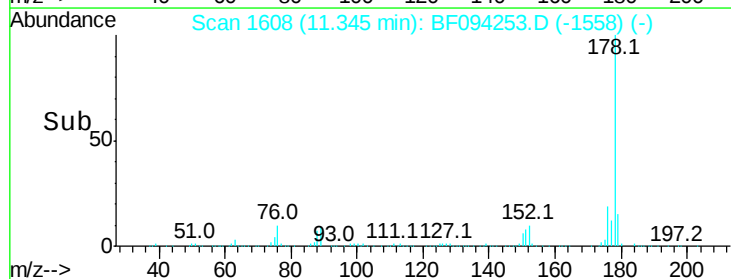
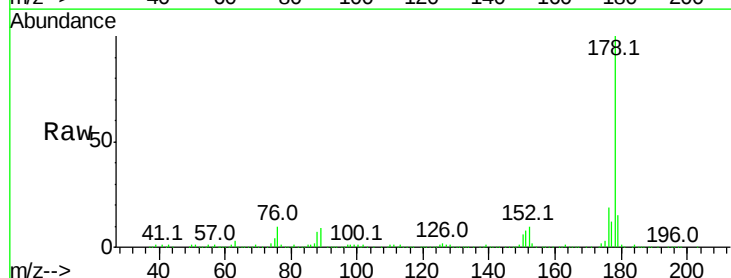
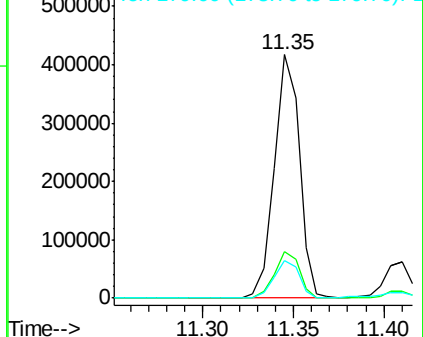
#70
Phenanthrene
Concen: 16.00 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

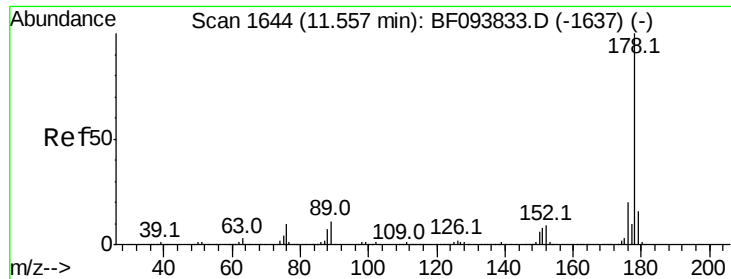
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	404019		
176	19.3		16.2	24.4
179	15.5		12.6	19.0

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





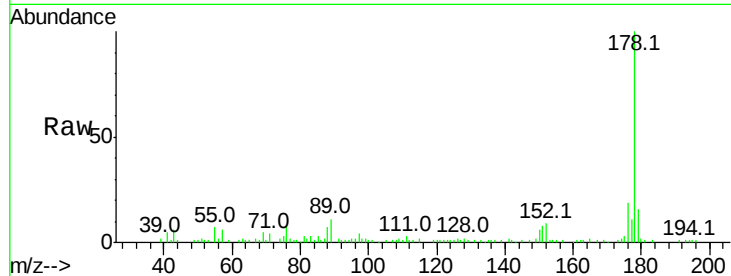
#71
 Anthracene
 Concen: 2.35 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF094253.D
 Acq: 7 Apr 2017 5:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-BASE

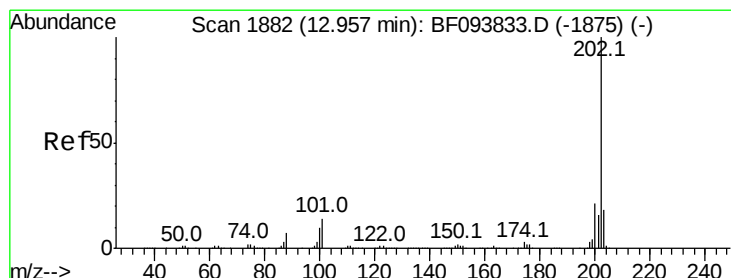
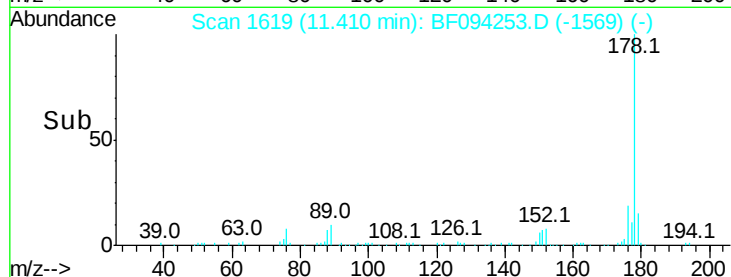
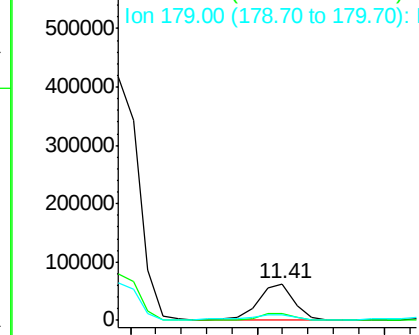
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.0	12.7	19.1

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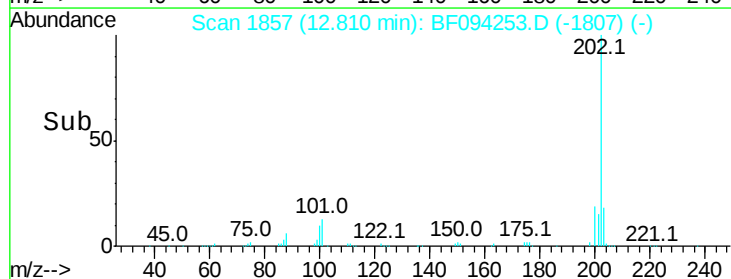
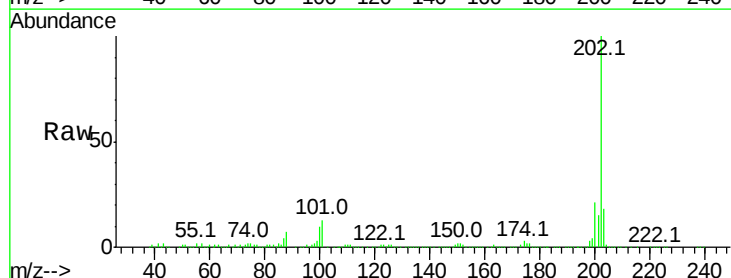
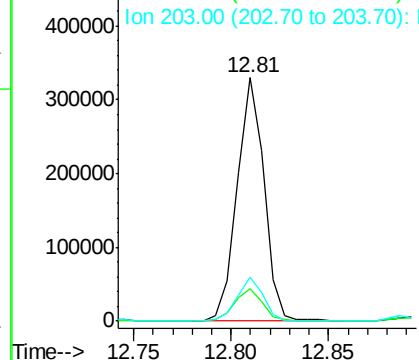
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

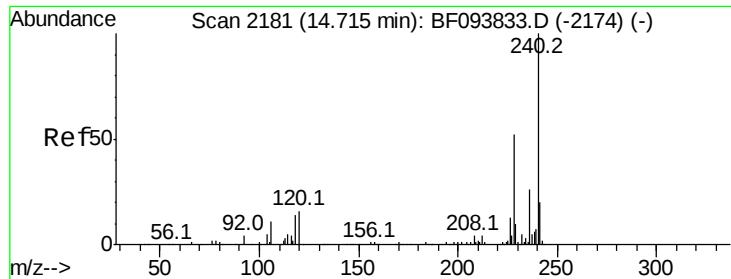


#74
 Fluoranthene
 Concen: 12.20 ng
 RT: 12.81 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BF094253.D
 Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	18.0	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





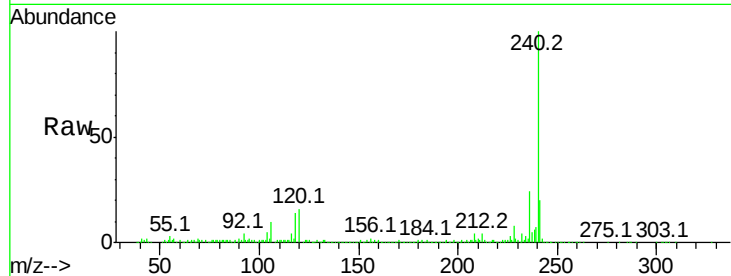
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.57 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

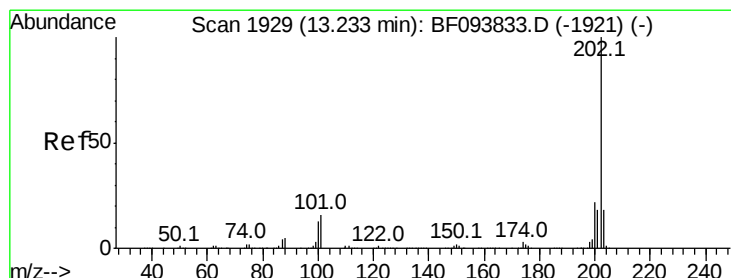
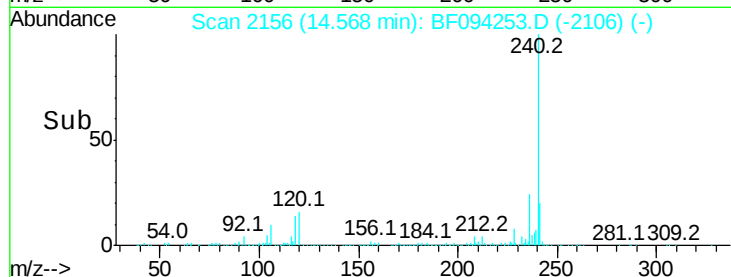
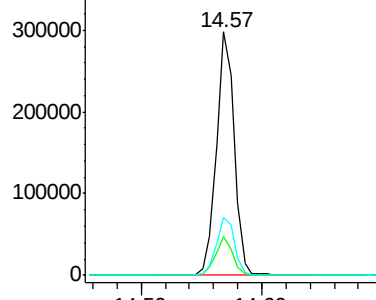
Tot Ion	Ratio	Lower	Upper
240	100		
120	16.1	5.8	8.8#
236	24.0	20.5	30.7

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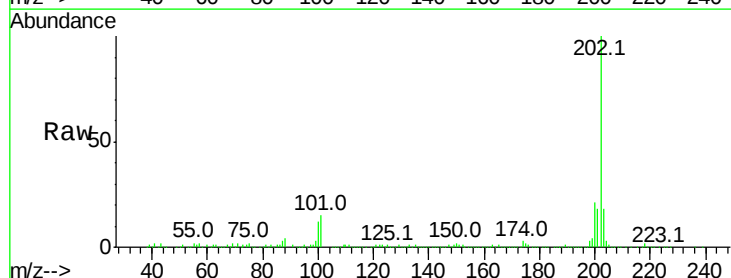


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

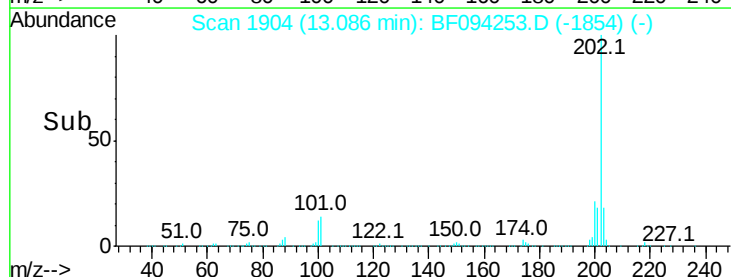
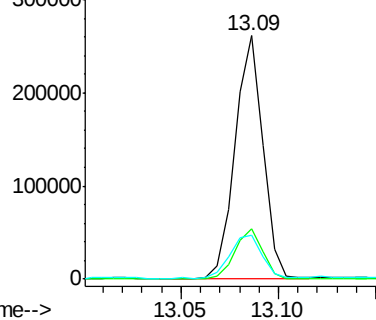


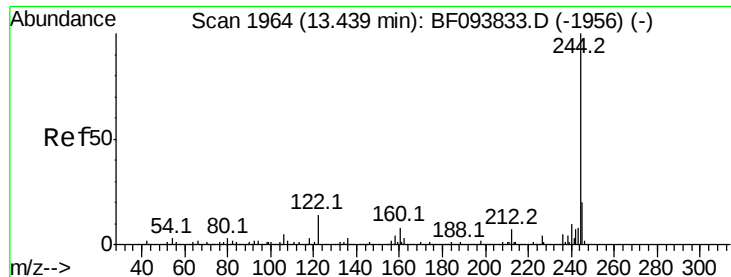
#77
Pyrene
Concen: 11.50 ng
RT: 13.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	18.2	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.73 ng

RT: 13.29 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Instrument :

BNA_F

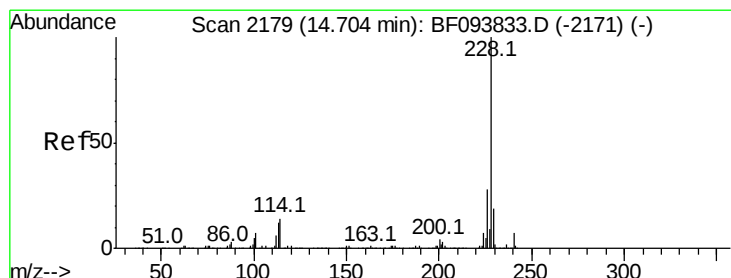
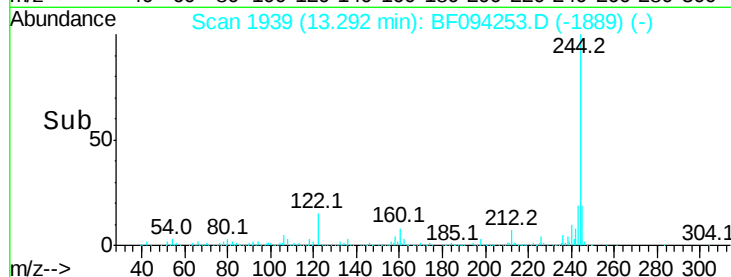
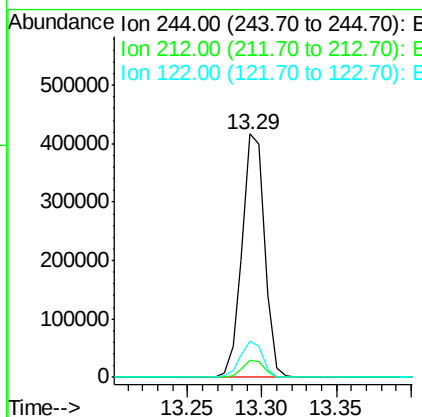
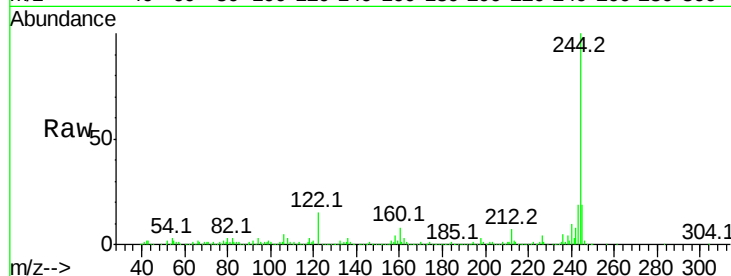
ClientSampleId :

E2-AA10-BASE

Tot Ion:	244	Resp:	438487
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	14.7	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 4.29 ng

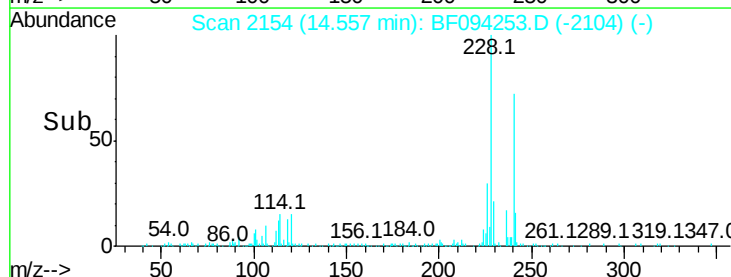
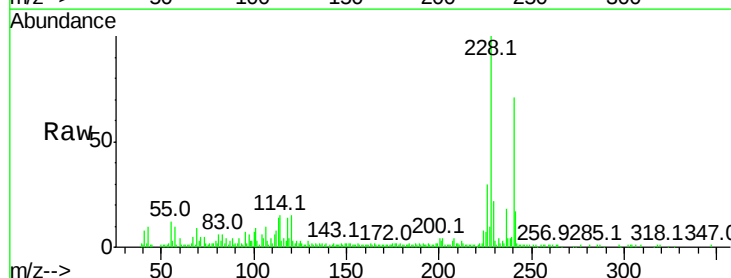
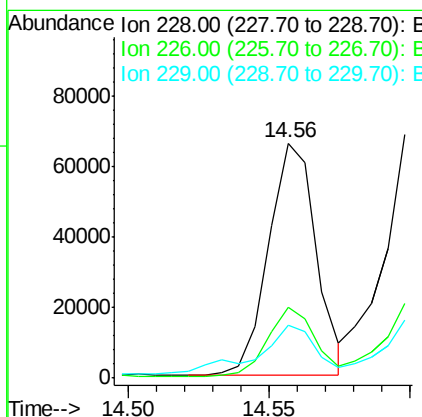
RT: 14.56 min Scan# 2154

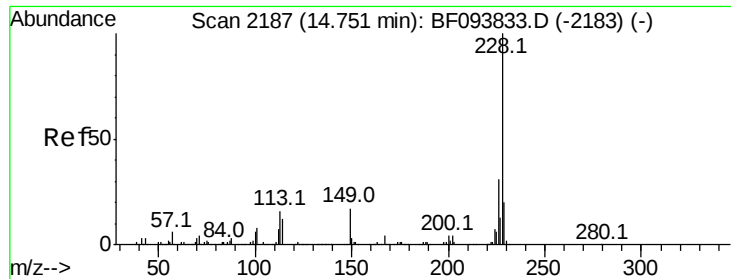
Delta R.T. -0.01 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Tgt Ion:	228	Resp:	77508
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.6	33.8
229	22.4	16.3	24.5





#82

Chrysene

Concen: 4.89 ng/mL

RT: 14.60 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Instrument:

BNA_F

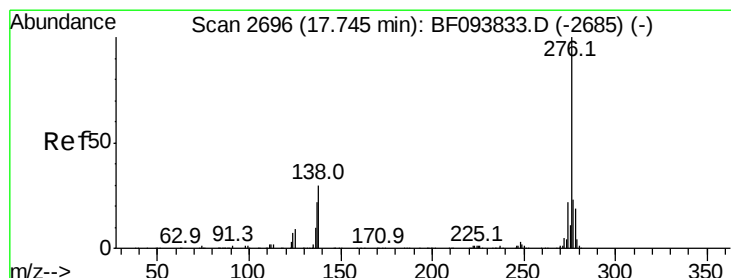
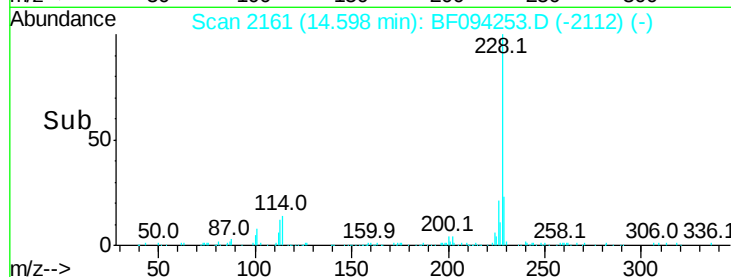
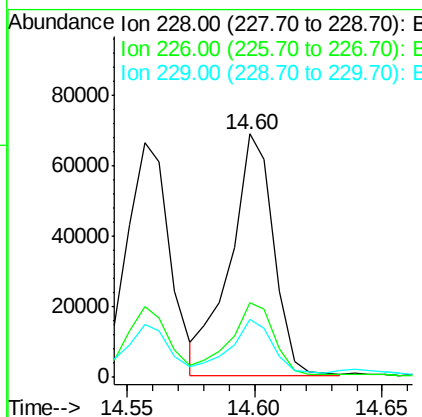
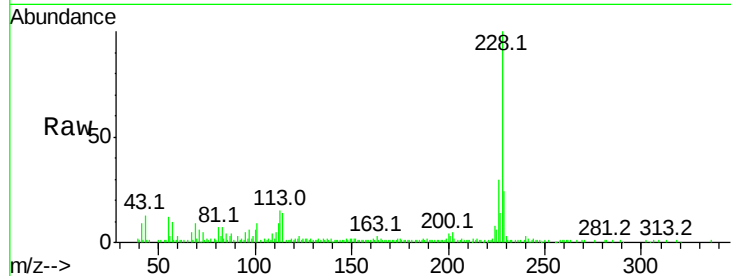
ClientSampleId:

E2-AA10-BASE

Tot Ion:	228	Resp:	82008
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	23.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.18 ng/mL

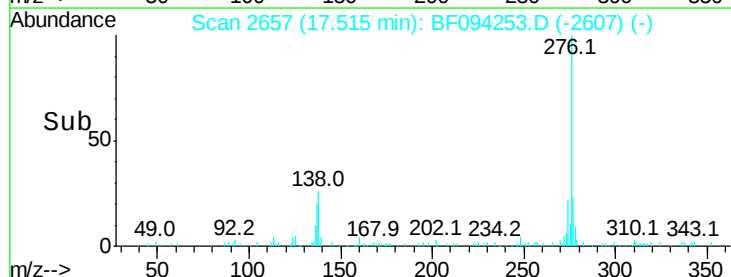
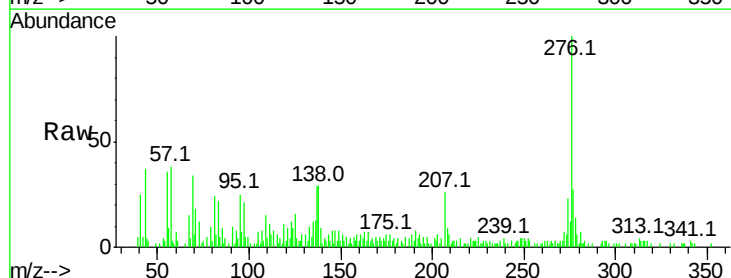
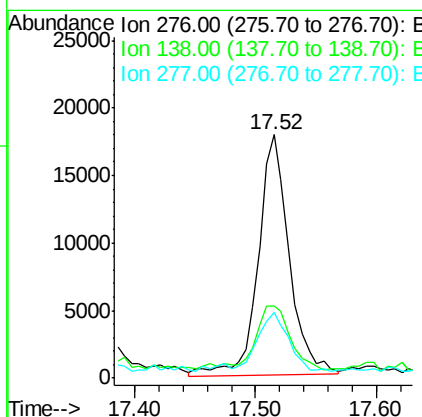
RT: 17.52 min Scan# 2657

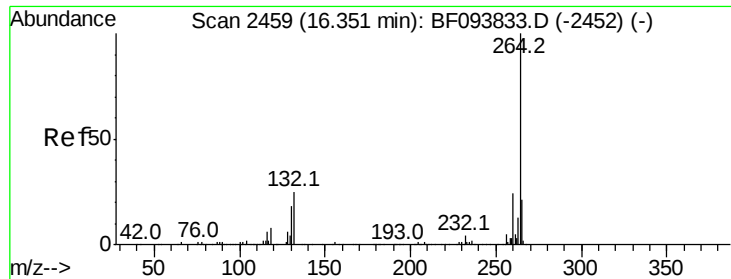
Delta R.T. -0.01 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Tgt Ion:	276	Resp:	31696
Ion Ratio	Lower	Upper	
276	100		
138	31.2	27.8	41.6
277	24.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.20 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Instrument :

BNA_F

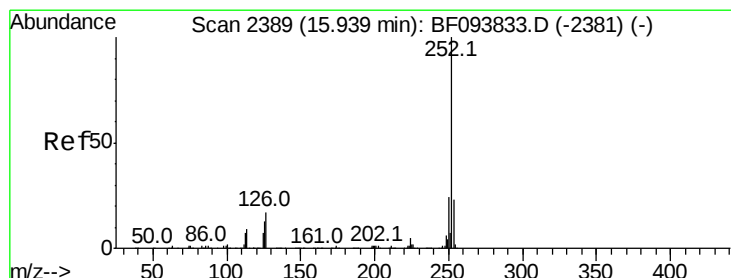
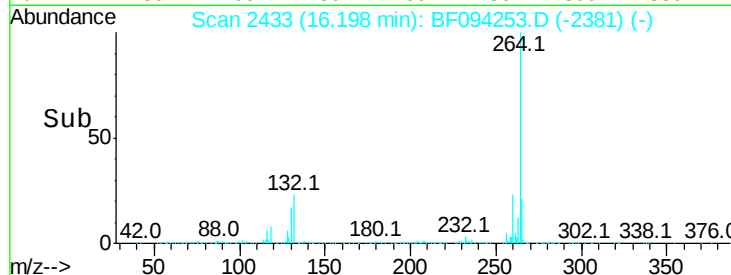
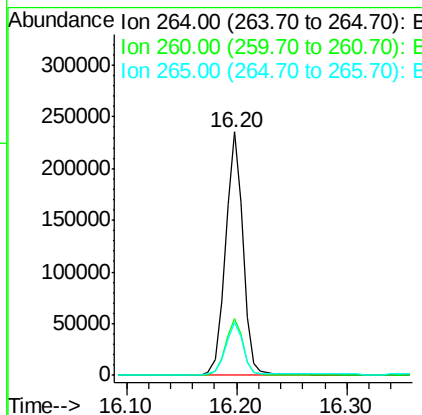
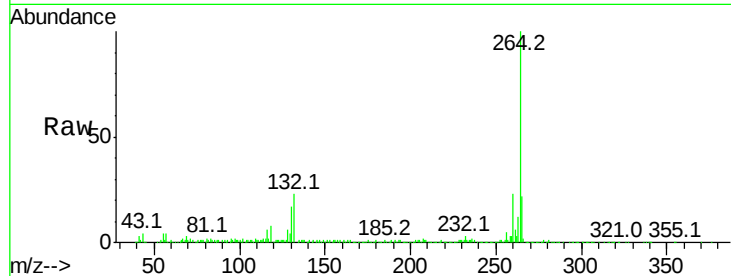
ClientSampleId :

E2-AA10-BASE

Tot Ion:	264	Resp:	260400
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 5.35 ng m

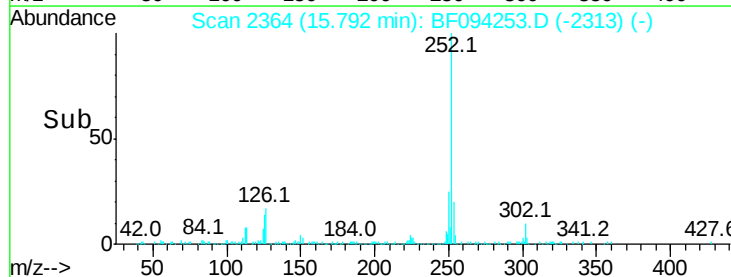
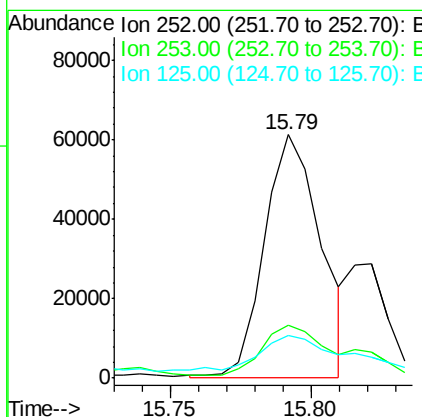
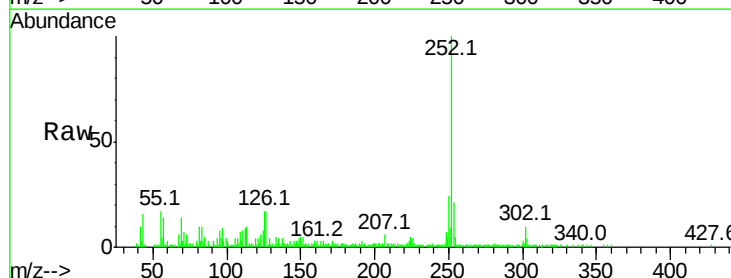
RT: 15.79 min Scan# 2364

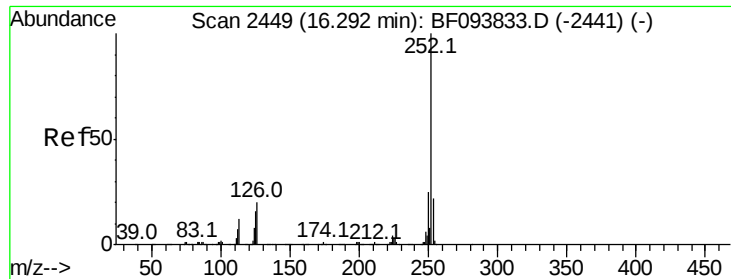
Delta R.T. -0.00 min

Lab File: BF094253.D

Acq: 7 Apr 2017 5:05

Tgt Ion:	252	Resp:	85392
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	17.4	9.8	14.8#





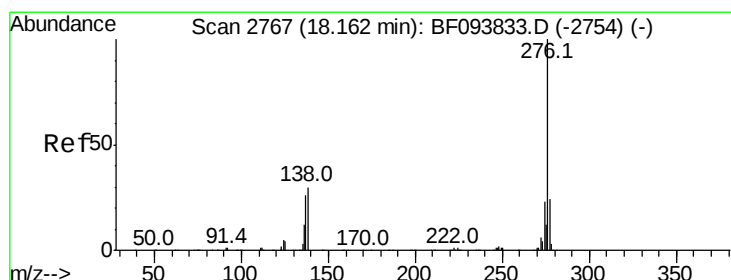
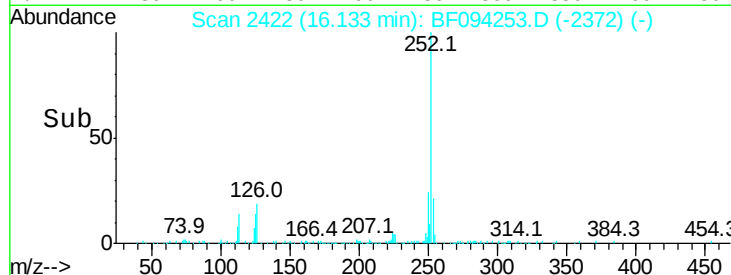
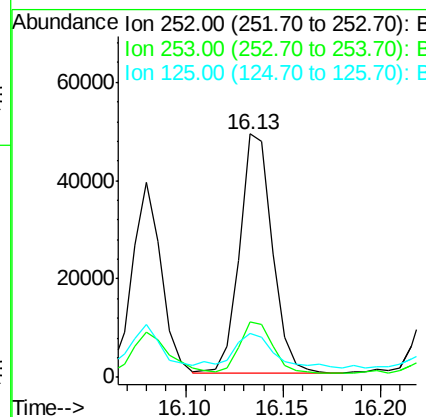
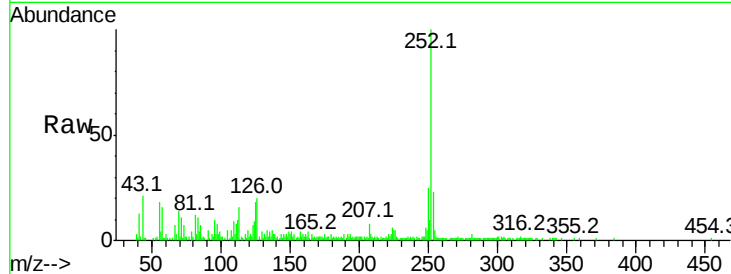
#89
Benzo(a)pyrene
Concen: 3.85 ng
RT: 16.13 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Instrument :
BNA_F
ClientSampleId :
E2-AA10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	18.2	11.0	16.4

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 2.63 ng
RT: 17.90 min Scan# 2723
Delta R.T. -0.01 min
Lab File: BF094253.D
Acq: 7 Apr 2017 5:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	32.0	25.4	38.0

