

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094046.D
 Acq On : 30 Mar 2017 5:51
 Operator : SJ/MA
 Sample : I2443-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-NSW

Manual Integrations
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Quant Time: Mar 30 07:14:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	153638	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	574879	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	233290	20.00	ng	-0.03
63) Phenanthrene-d10	11.41	188	349257	20.00	ng	-0.01
75) Chrysene-d12	14.70	240	272290	20.00	ng	0.02
86) Perylene-d12	16.31	264	241007	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	882514	97.02	ng	-0.02
7) Phenol-d6	5.53	99	1070158	95.10	ng	-0.02
23) Nitrobenzene-d5	6.57	82	625407	62.08	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	182903	99.22	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	1039214	67.94	ng	-0.03
78) Terphenyl-d14	13.44	244	536516	44.17	ng	0.04
Target Compounds						Qvalue
9) Benzaldehyde	5.41	77	66611	8.77	ng	99
10) Phenol	5.54	94	162226	12.67	ng	93
17) 2-Methylphenol	6.23	107	162713	19.00	ng	96
20) 3+4-Methylphenols	6.42	107	439094	42.34	ng	# 62
27) 2,4-Dimethylphenol	7.04	122	241244	29.55	ng	98
31) Naphthalene	7.45	128	539314	19.51	ng	100
37) 2-Methylnaphthalene	8.29	142	246718	13.39	ng	99
45) 1,1'-Biphenyl	8.87	154	56591	3.01	ng	97
49) Dimethylphthalate	9.25	163	62387	3.76	ng	98
51) Acenaphthene	9.60	154	167612	11.73	ng	99
54) Dibenzofuran	9.82	168	137557	7.07	ng	99
57) Fluorene	10.24	166	158669	9.84	ng	98
70) Phenanthrene	11.44	178	1043558m	53.71	ng	
71) Anthracene	11.49	178	98637m	4.93	ng	
72) Carbazole	11.72	167	71391	3.48	ng	# 79
74) Fluoranthene	12.95	202	637748	32.06	ng	88
77) Pyrene	13.24	202	252056	12.76	ng	# 89
80) Benzo(a)anthracene	14.69	228	168280m	10.60	ng	
82) Chrysene	14.73	228	159024	10.79	ng	98
85) Indeno(1,2,3-cd)pyrene	17.66	276	74836	5.86	ng	99
87) Benzo(b)fluoranthene	15.90	252	194133m	13.14	ng	
88) Benzo(k)fluoranthene	15.92	252	56342m	3.90	ng	
89) Benzo(a)pyrene	16.24	252	124630	9.16	ng	# 88
91) Benzo(g,h,i)perylene	18.07	276	73581	6.34	ng	95

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

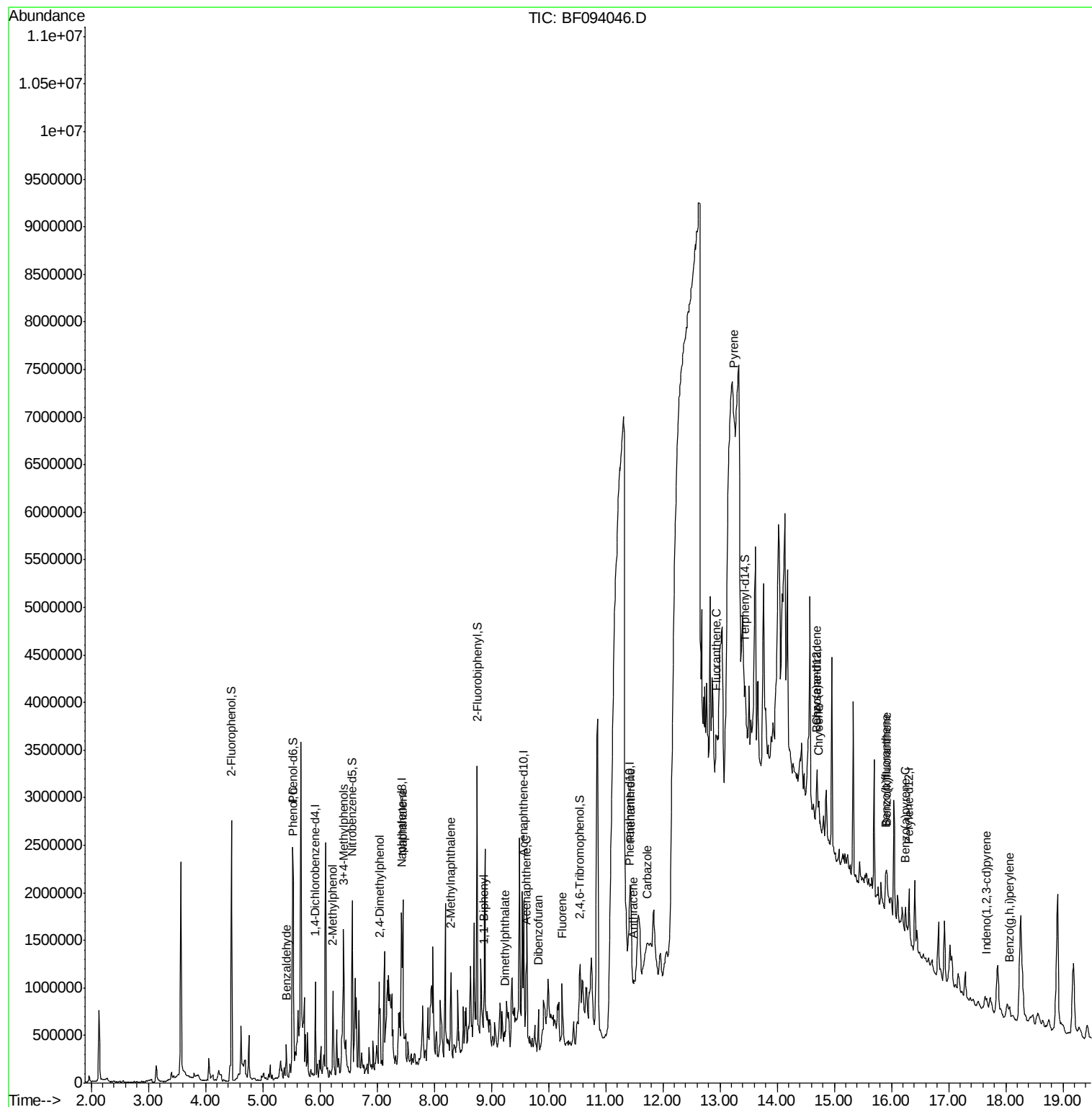
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094046.D
Acq On : 30 Mar 2017 5:51
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#1

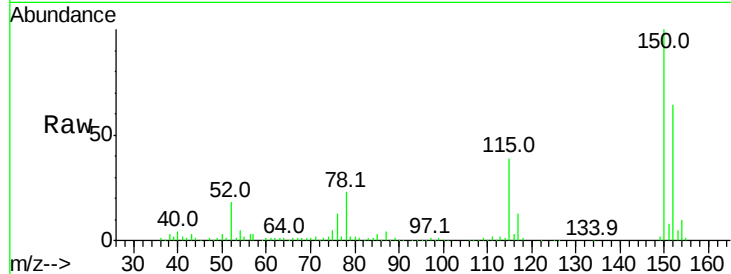
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

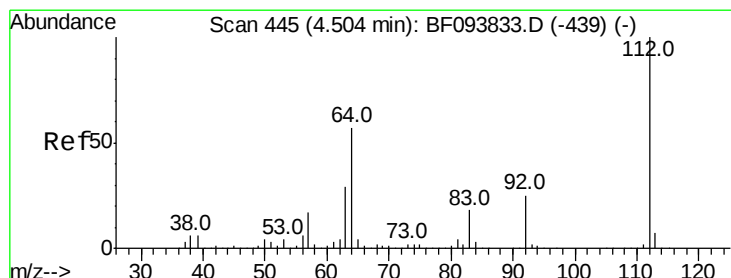
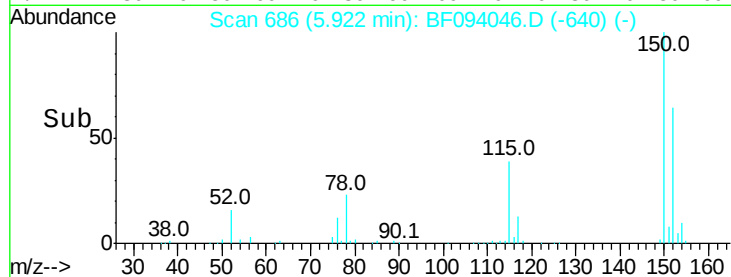
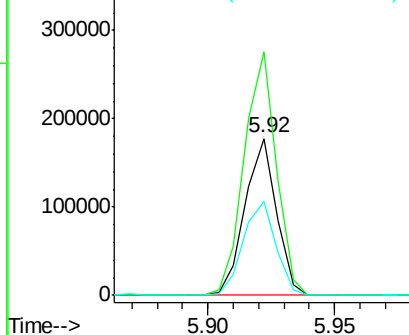
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	60.1	52.2	78.2

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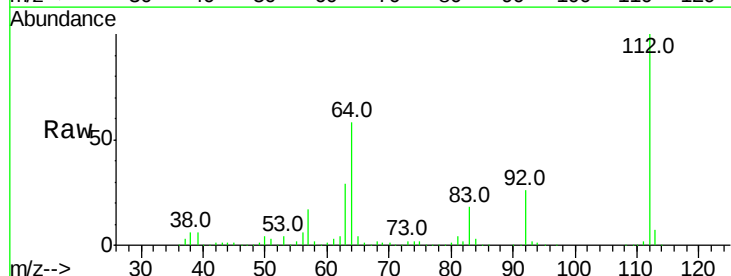
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



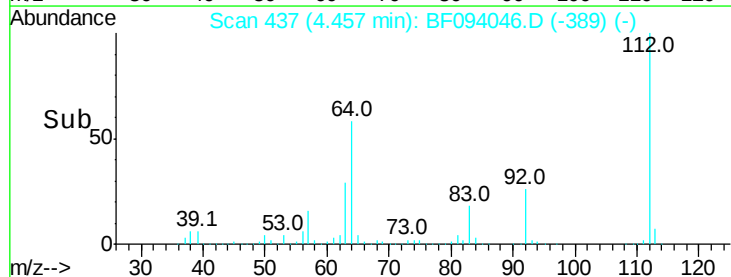
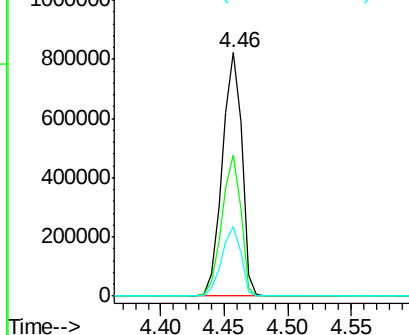
#5

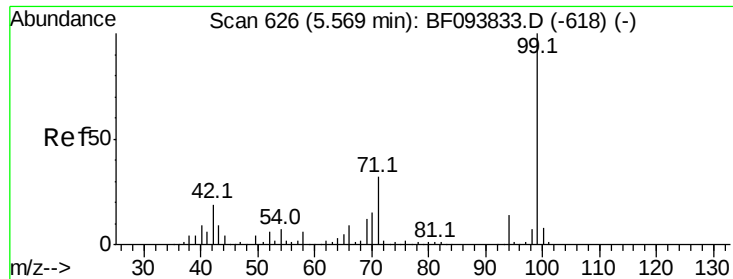
2-Fluorophenol
Concen: 97.02 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.0	69.0
63	28.6	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.10 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Instrument :

BNA_F

ClientSampleId :

E2-AA9-NSW

Tot Ion: 99 Resp: 1070158

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

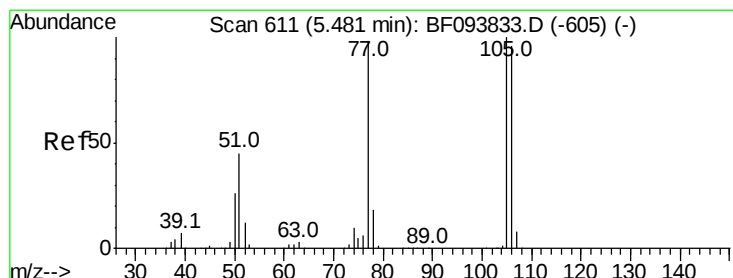
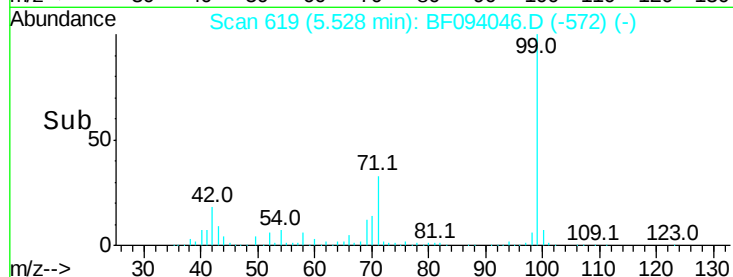
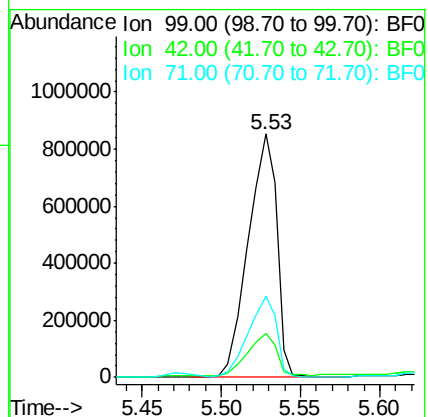
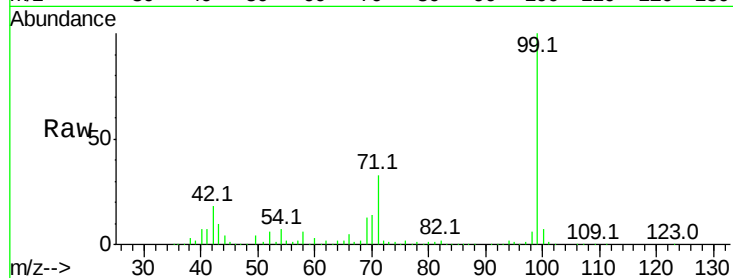
71 33.1 24.5 36.7

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#9

Benzaldehyde

Concen: 8.77 ng

RT: 5.41 min Scan# 599

Delta R.T. -0.04 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

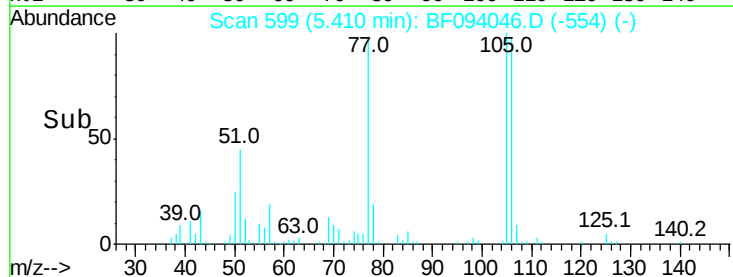
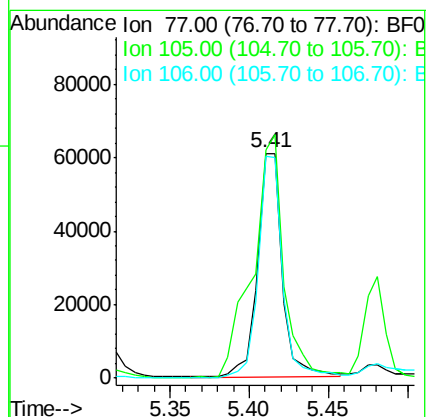
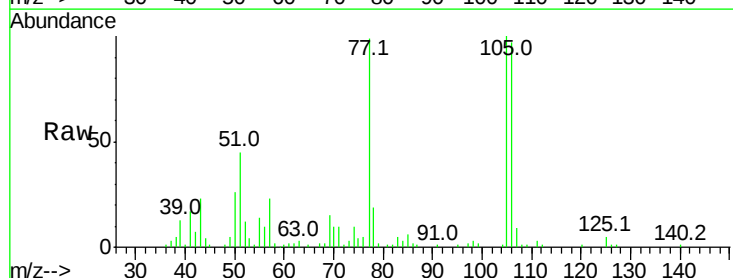
Tgt Ion: 77 Resp: 66611

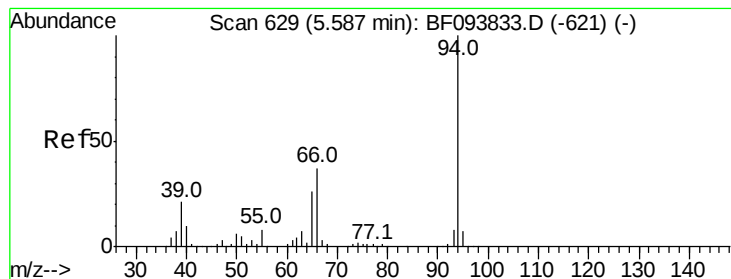
Ion Ratio Lower Upper

77 100

105 101.4 83.8 123.8

106 98.5 79.1 119.1





#10

Phenol

Concen: 12.67 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Instrument :

BNA_F

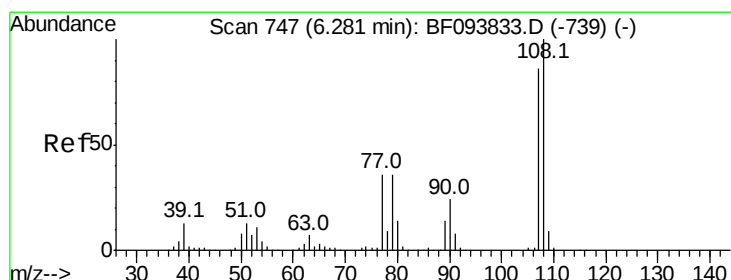
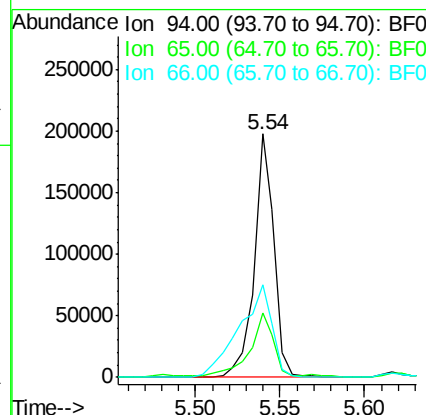
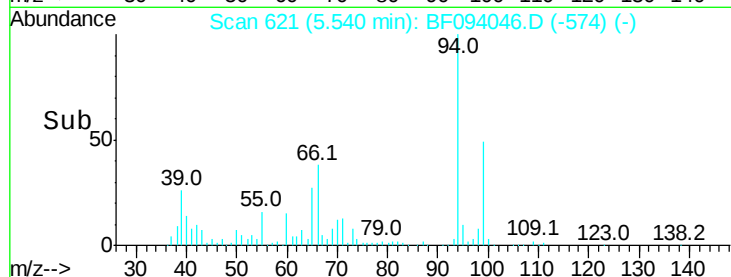
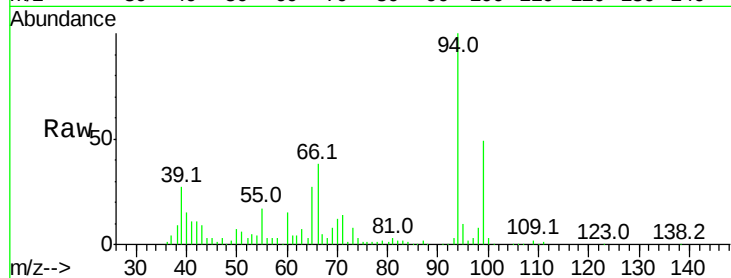
ClientSampleId :

E2-AA9-NSW

Tot Ion:	94	Resp:	162226
Ion Ratio	Lower	Upper	
94	100		
65	26.6	9.9	49.9
66	38.0	23.1	63.1

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#17

2-Methylphenol

Concen: 19.00 ng

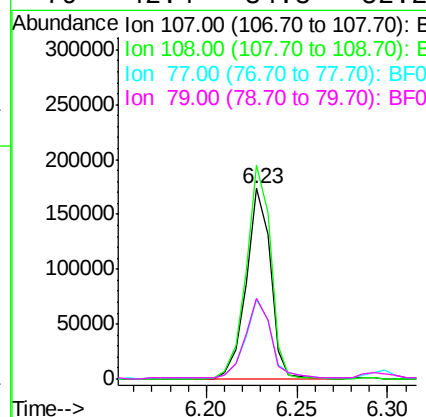
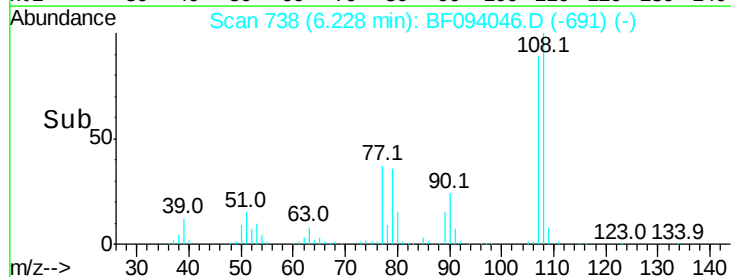
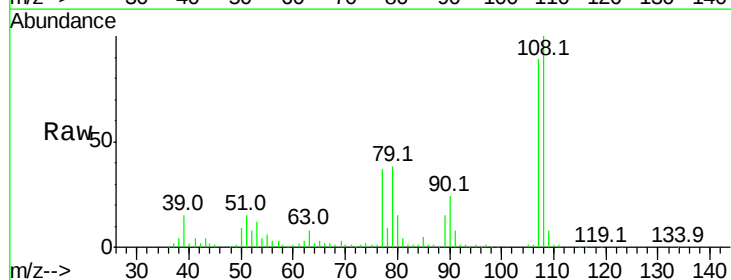
RT: 6.23 min Scan# 738

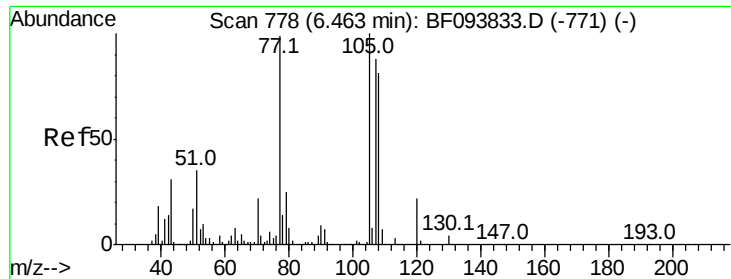
Delta R.T. -0.02 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Tgt Ion:	107	Resp:	162713
Ion Ratio	Lower	Upper	
107	100		
108	112.3	93.4	140.0
77	41.9	35.8	53.6
79	42.4	34.8	52.2





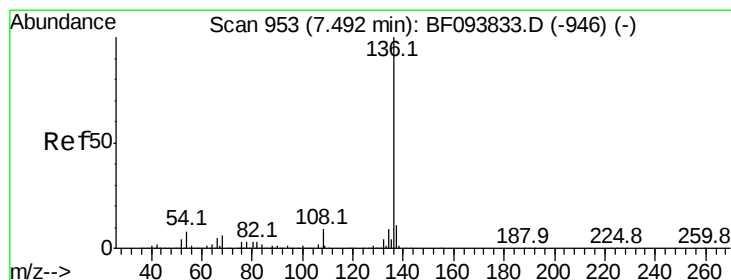
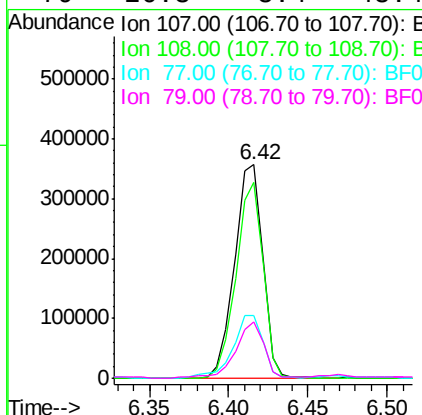
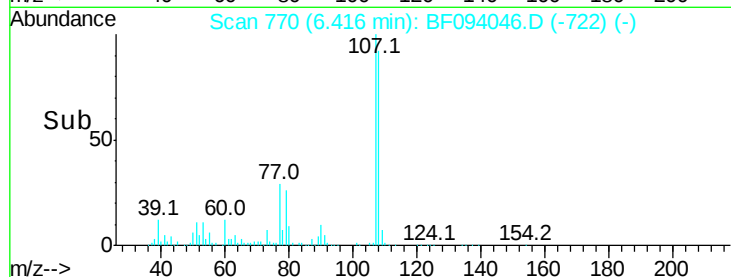
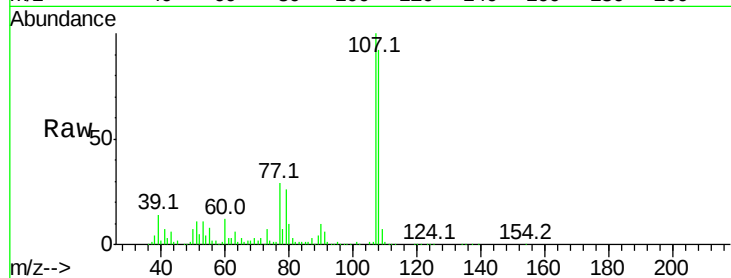
#20
3+4-Methylphenols
Concen: 42.34 ng
RT: 6.42 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	91.8	71.0	111.0	
77	29.3	90.5	130.5#	
79	26.3	8.4	48.4	

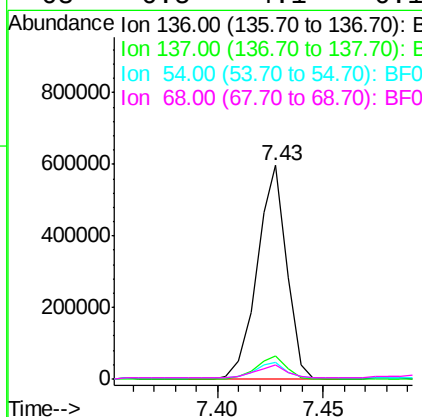
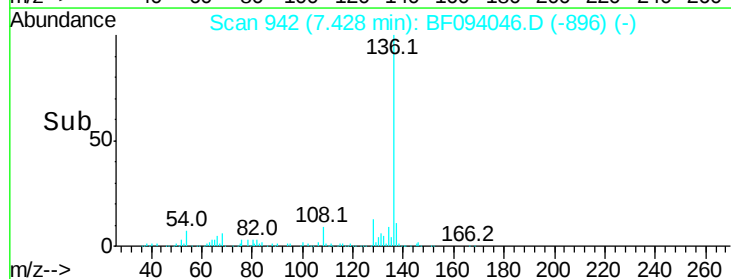
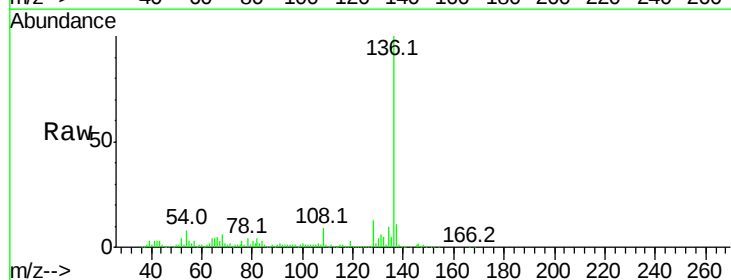
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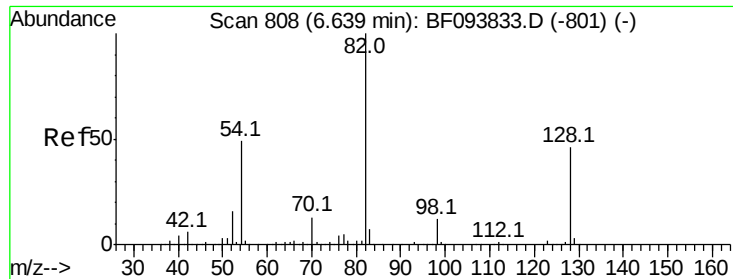
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.6	4.9	7.3#	
68	6.5	4.1	6.1#	





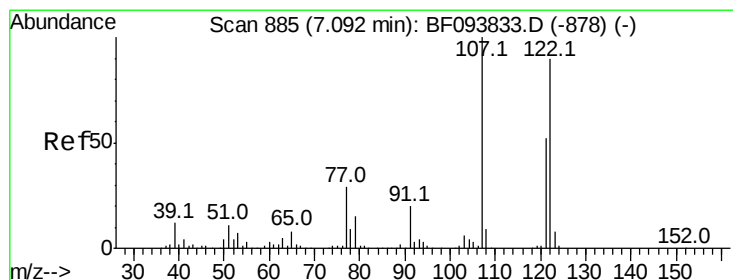
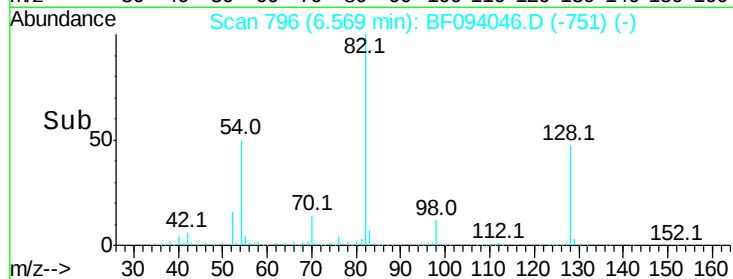
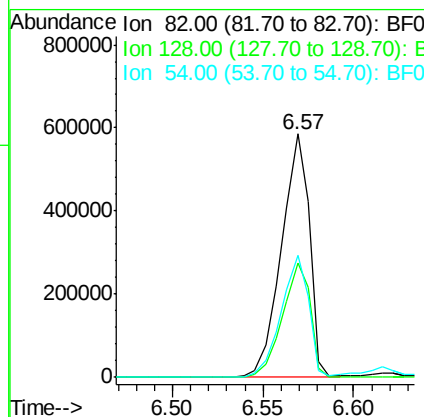
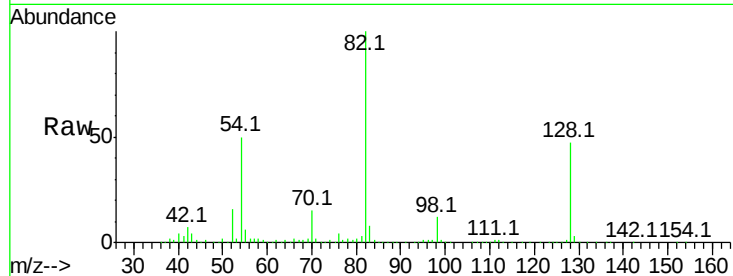
#23
 Nitrobenzene-d5
 Concen: 62.08 ng
 RT: 6.57 min Scan# 796
 Delta R.T. -0.04 min
 Lab File: BF094046.D
 Acq: 30 Mar 2017 5:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-NSW

Tot Ion:	82	Resp:	625407
Ion Ratio	Lower	Upper	
82	100		
128	47.1	34.0	51.0
54	50.0	42.2	63.2

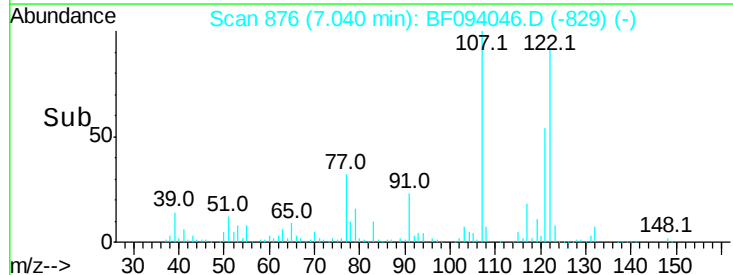
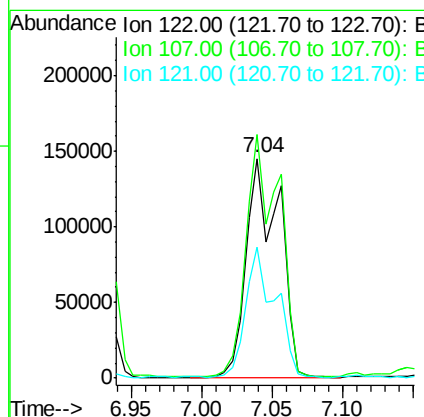
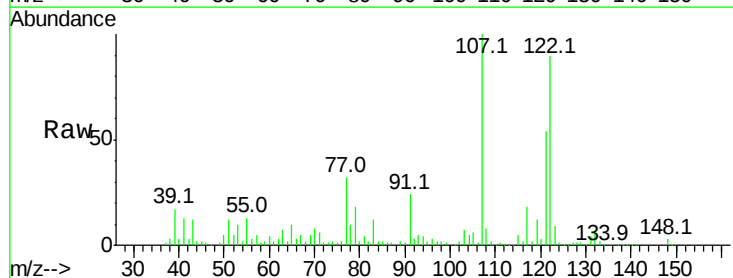
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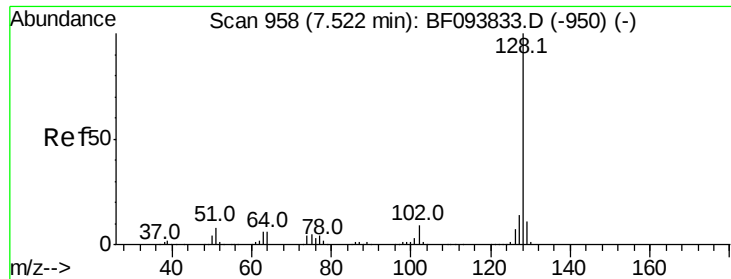
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#27
 2,4-Dimethylphenol
 Concen: 29.55 ng
 RT: 7.04 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF094046.D
 Acq: 30 Mar 2017 5:51

Tgt Ion:	122	Resp:	241244
Ion Ratio	Lower	Upper	
122	100		
107	110.9	89.2	133.8
121	59.6	45.2	67.8





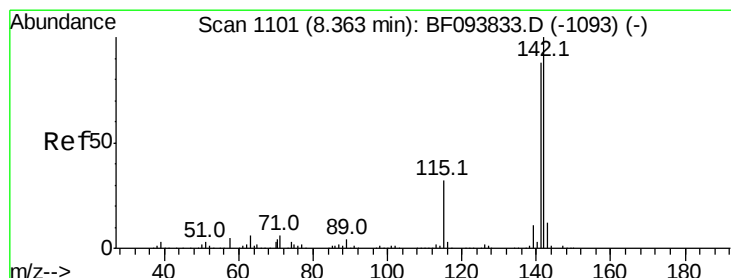
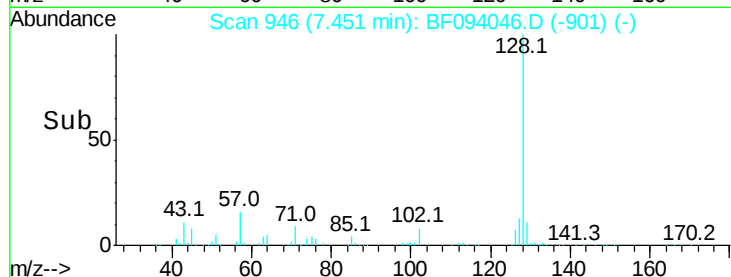
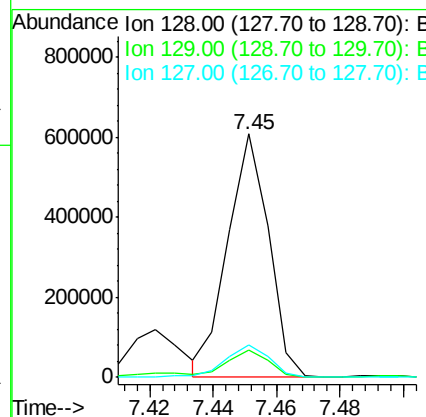
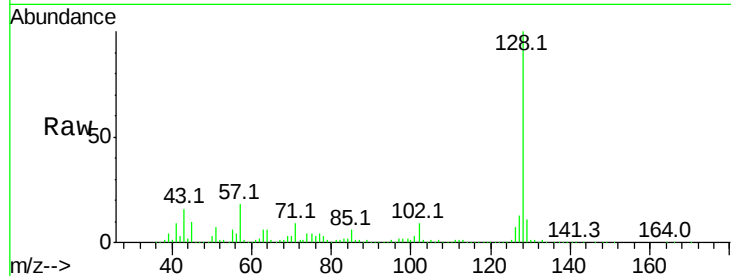
#31
Naphthalene
Concen: 19.51 ng
RT: 7.45 min Scan# 946
Delta R.T. -0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	9.0	13.6	
127	13.4	10.8	16.2	

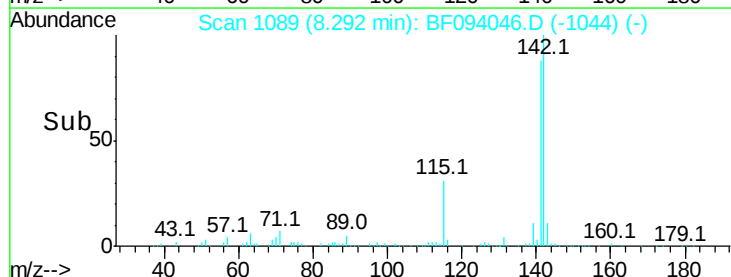
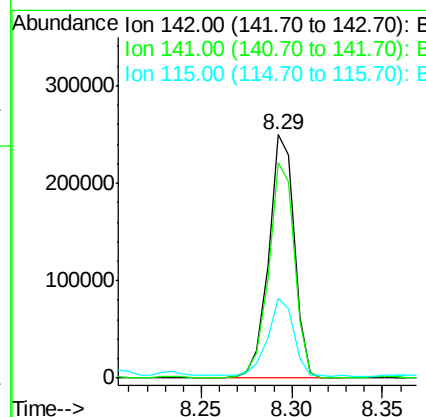
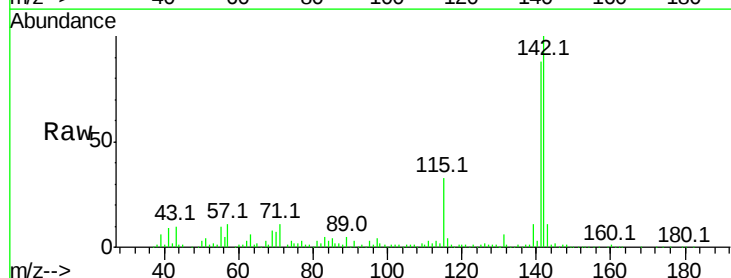
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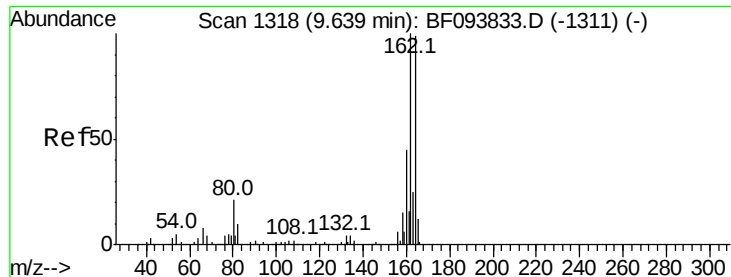
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#37
2-Methylnaphthalene
Concen: 13.39 ng
RT: 8.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.5	71.3	106.9	
115	32.6	27.1	40.7	





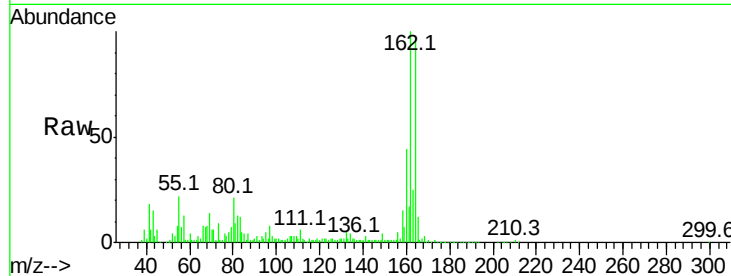
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

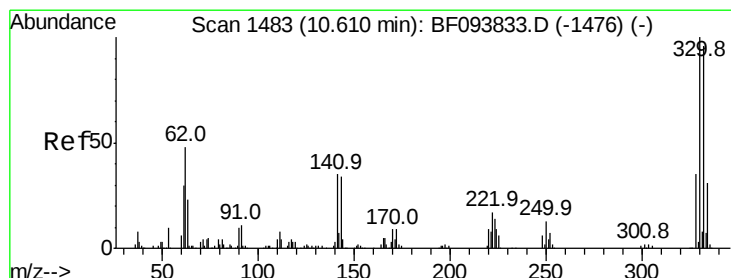
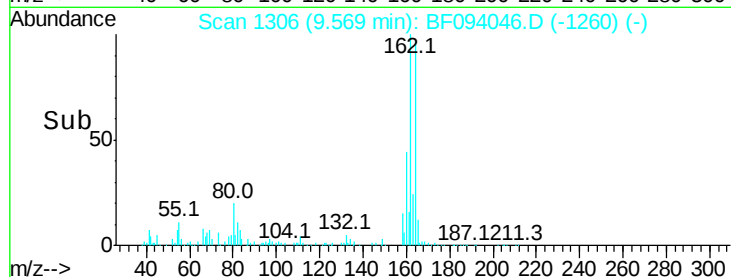
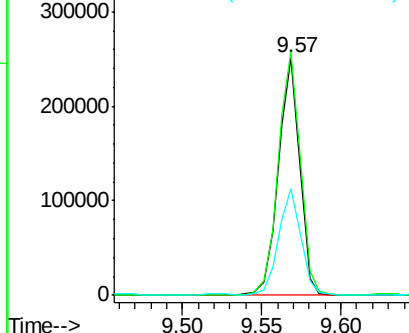
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	45.2	36.2	54.2

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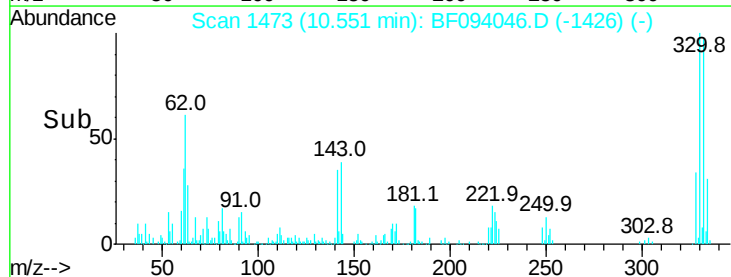
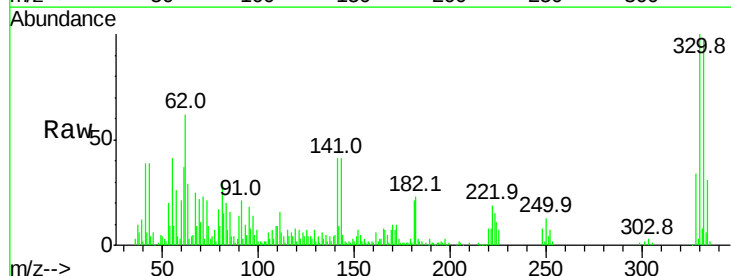
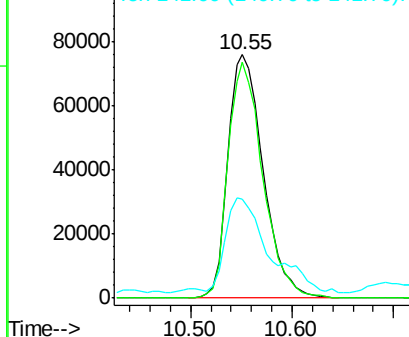
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

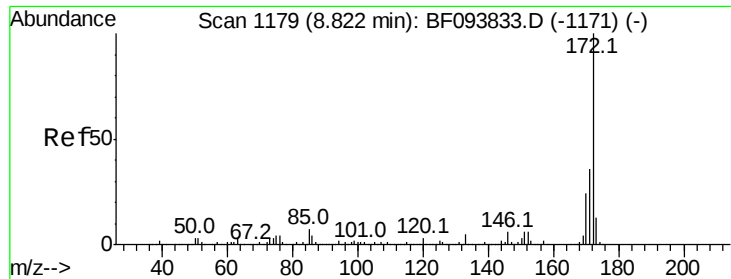


#41
2,4,6-Tribromophenol
Concen: 99.22 ng
RT: 10.55 min Scan# 1473
Delta R.T. -0.02 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	48.1	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





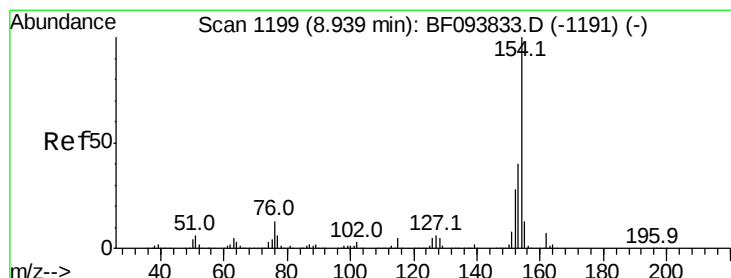
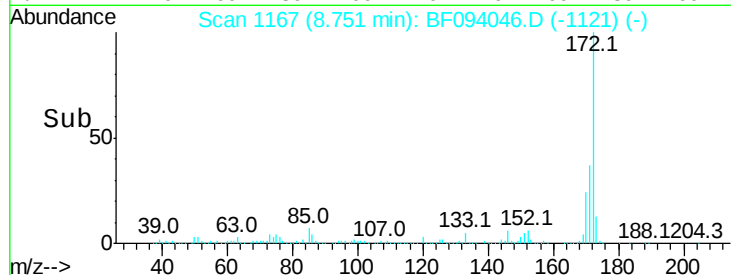
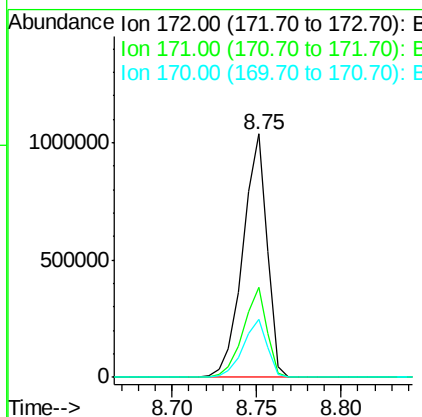
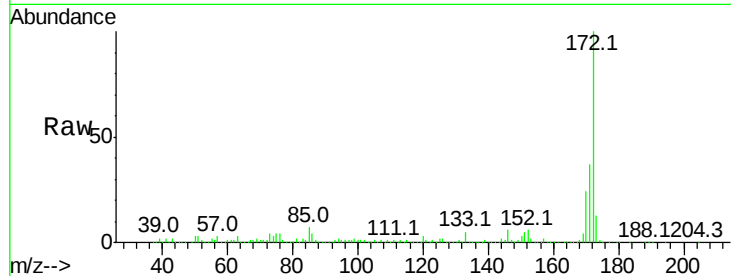
#44
2-Fluorobiphenyl
Concen: 67.94 ng
RT: 8.75 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	23.7	19.8	29.8

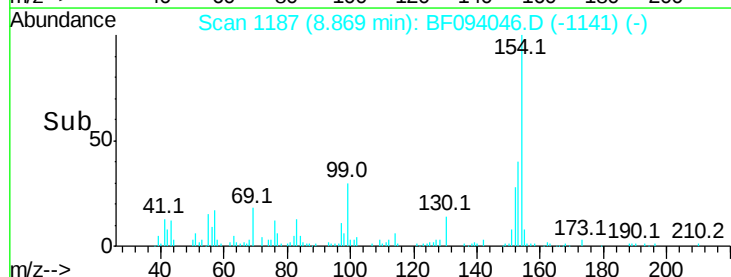
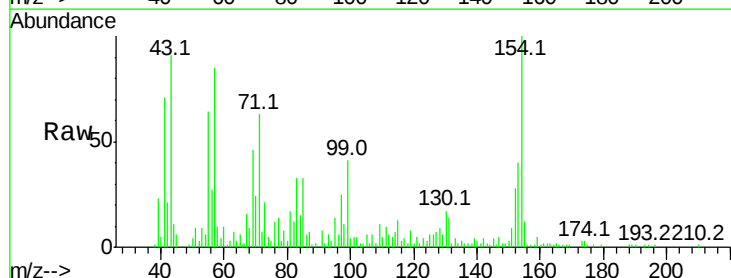
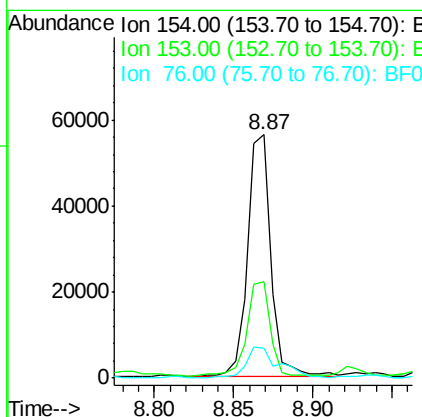
Manual Integrations
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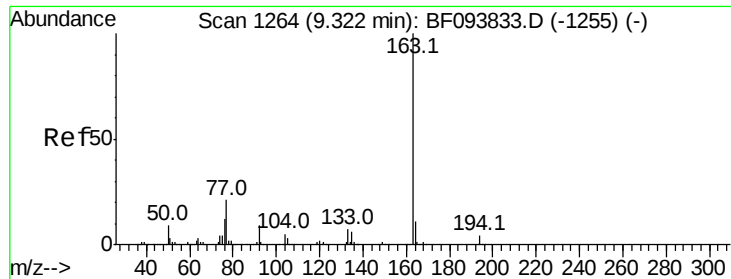
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#45
1,1'-Biphenyl
Concen: 3.01 ng
RT: 8.87 min Scan# 1187
Delta R.T. -0.03 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.2	61.2
76	12.1	0.0	29.9





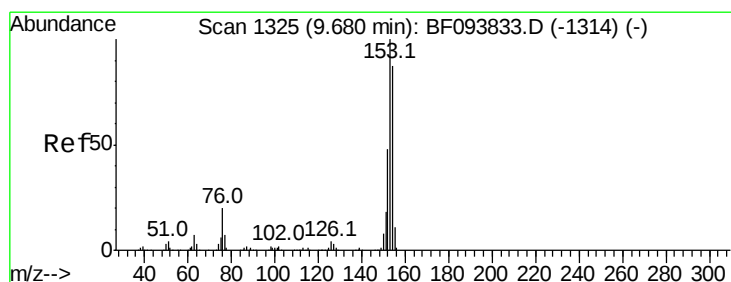
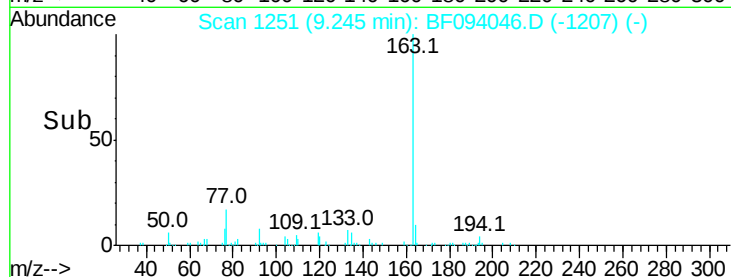
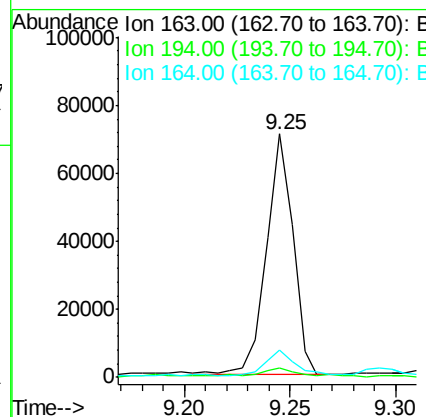
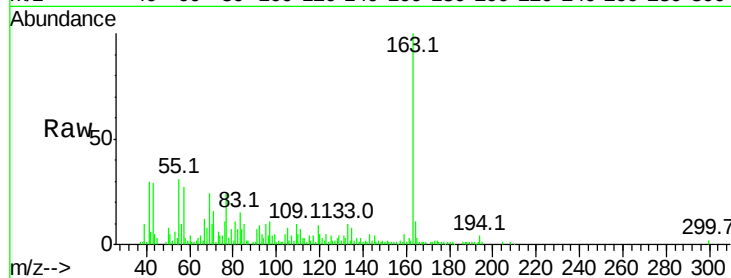
#49
Dimethylphthalate
Concen: 3.76 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion:	163	Resp:	62387
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	11.2	8.4	12.6

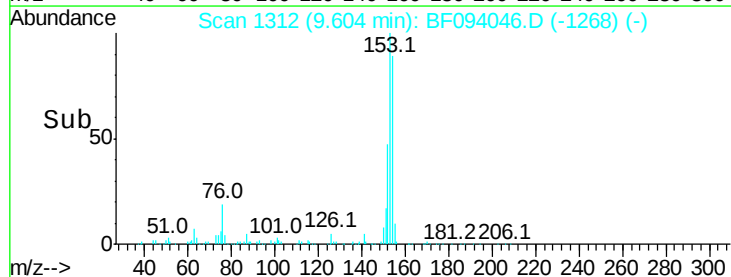
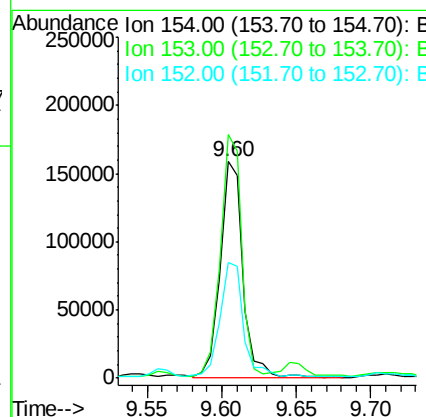
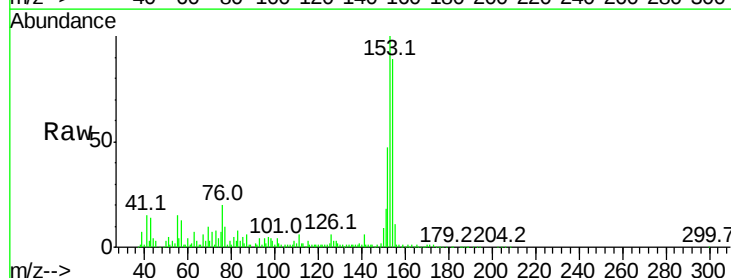
Manual Integrations
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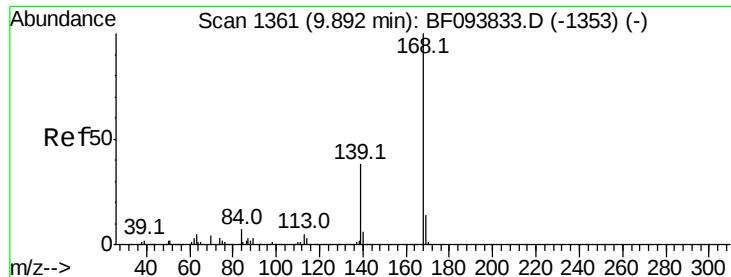
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#51
Acenaphthene
Concen: 11.73 ng
RT: 9.60 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion:	154	Resp:	167612
Ion Ratio	Lower	Upper	
154	100		
153	112.4	90.5	135.7
152	53.1	43.6	65.4





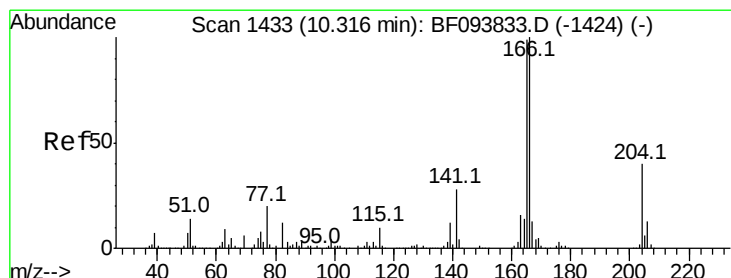
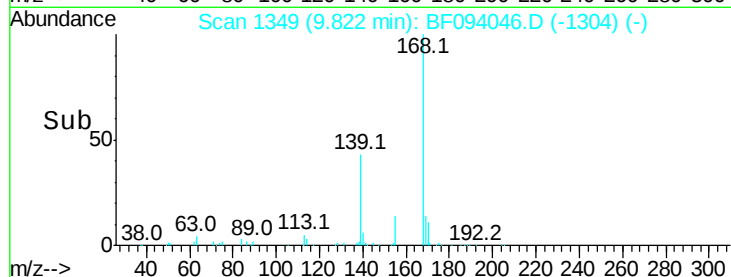
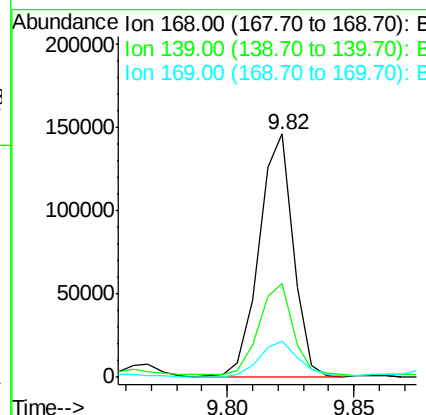
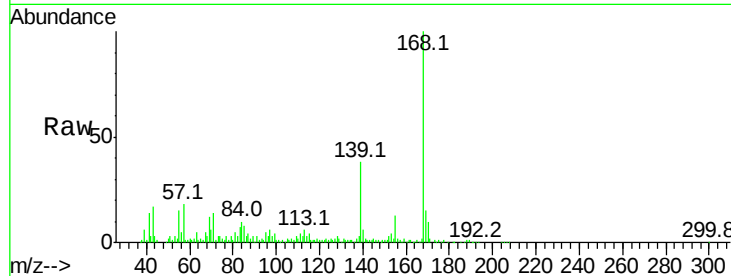
#54
Dibenzofuran
Concen: 7.07 ng
RT: 9.82 min Scan# 1349
Delta R.T. -0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.6	45.8
169	14.7	10.8	16.2

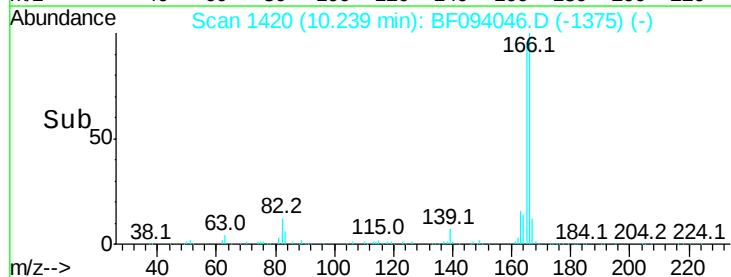
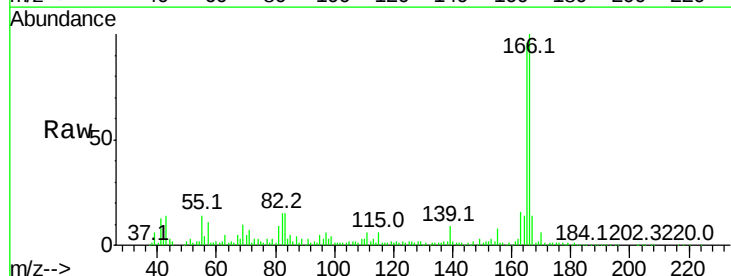
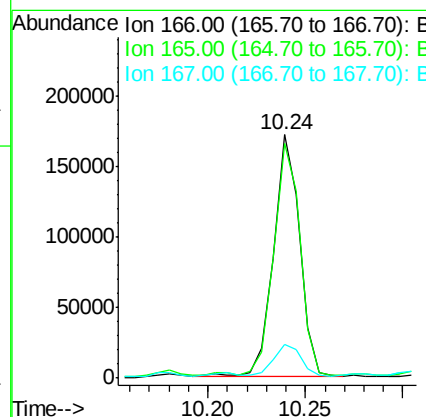
Manual Integrations
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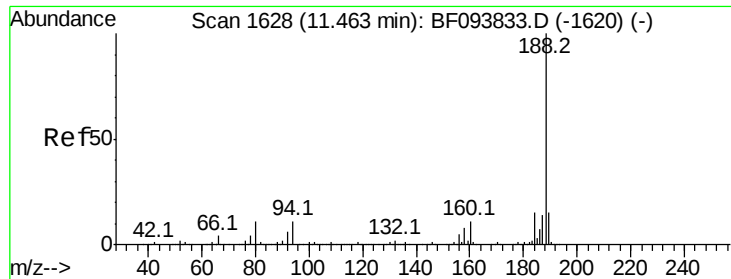
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#57
Fluorene
Concen: 9.84 ng
RT: 10.24 min Scan# 1420
Delta R.T. -0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.8	118.2
167	13.8	10.6	16.0





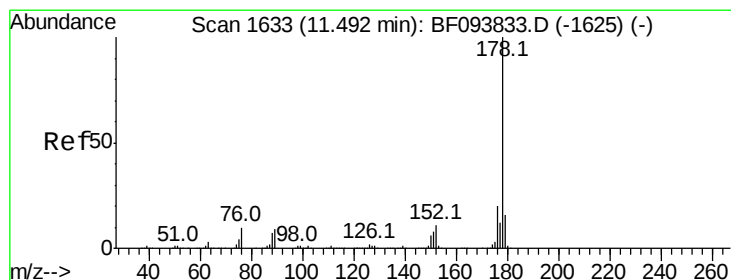
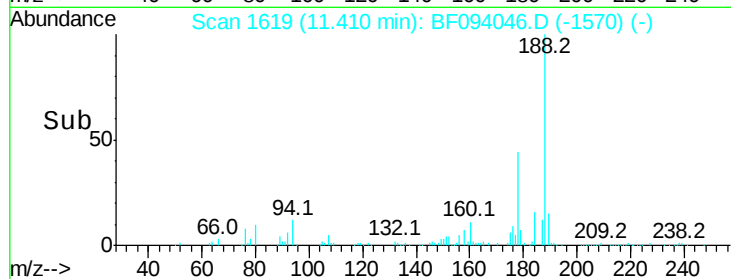
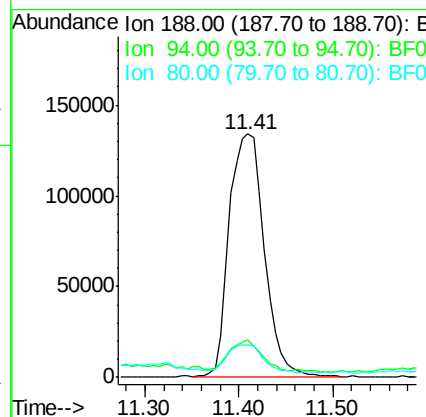
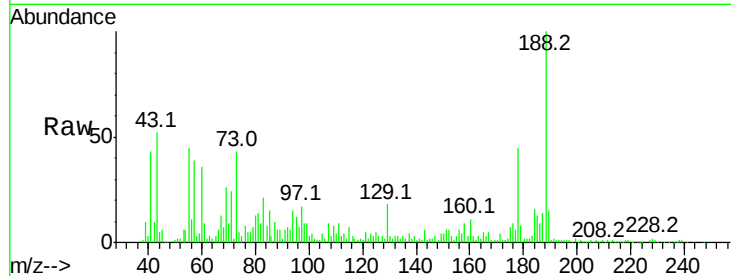
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
188	100		
94	15.2	9.4	14.2#
80	13.2	10.2	15.2

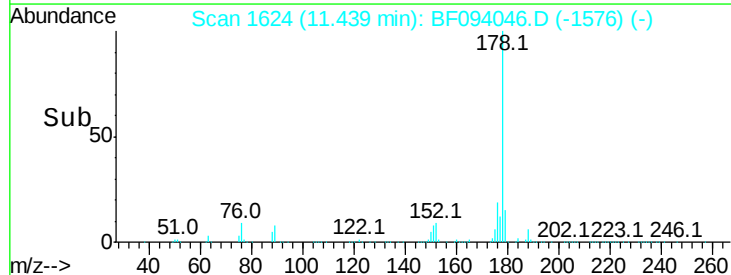
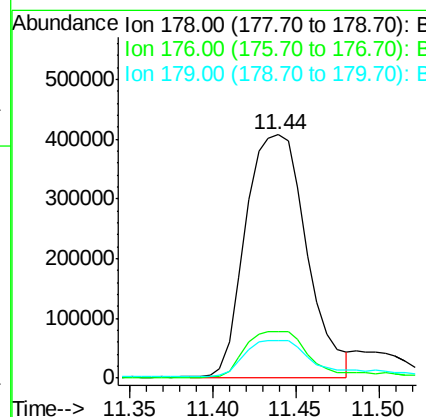
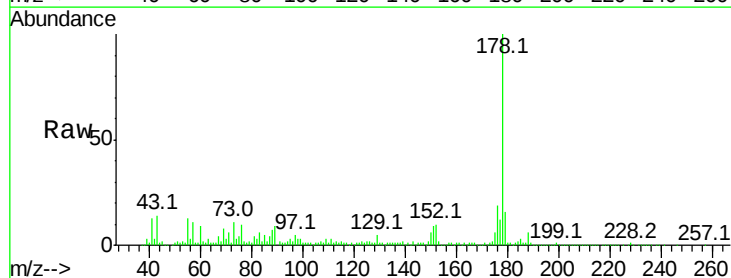
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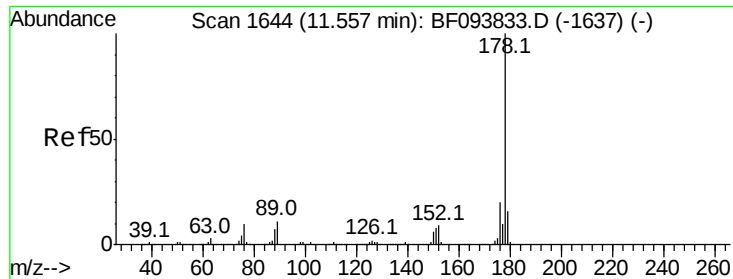
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#70
Phenanthrene
Concen: 53.71 ng m
RT: 11.44 min Scan# 1624
Delta R.T. -0.02 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.5	12.6	19.0





#71

Anthracene

Concen: 4.93 ng/mL

RT: 11.49 min Scan# 1632

Delta R.T. -0.04 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Instrument :

BNA_F

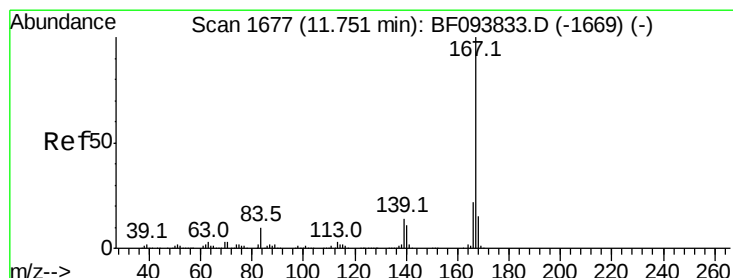
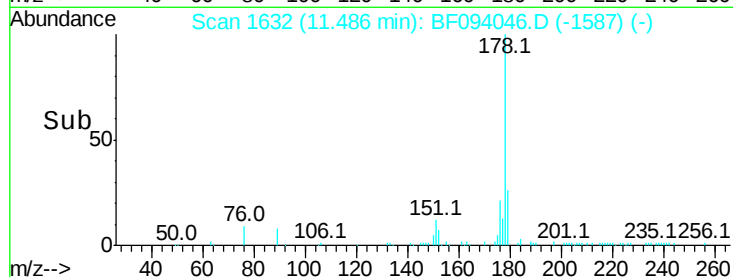
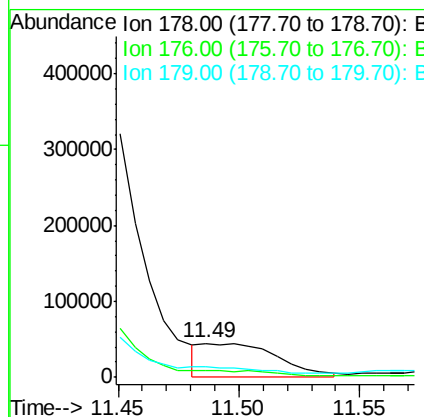
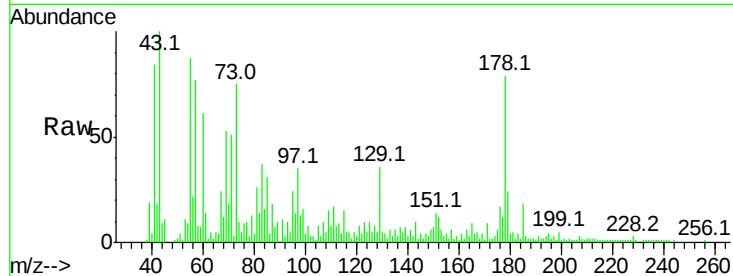
ClientSampleId :

E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.8	23.8
179	30.8	12.7	19.1

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#72

Carbazole

Concen: 3.48 ng/mL

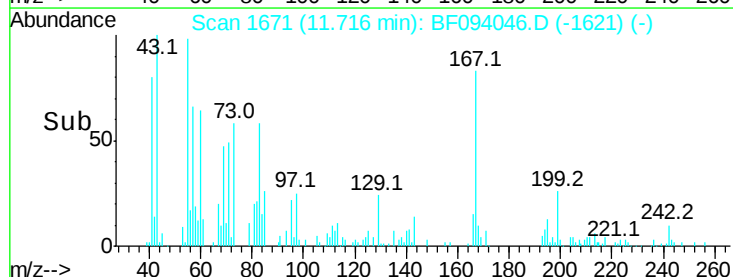
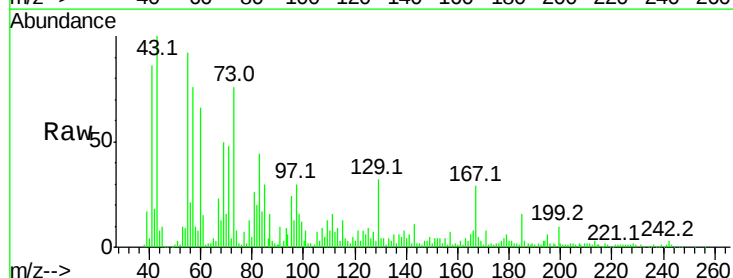
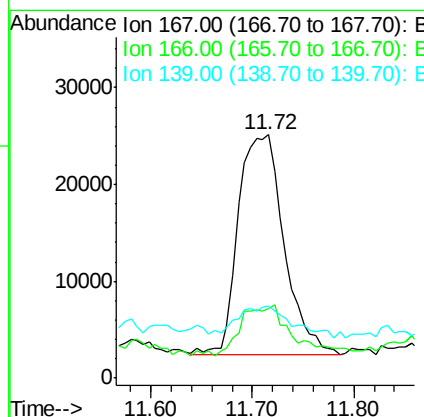
RT: 11.72 min Scan# 1671

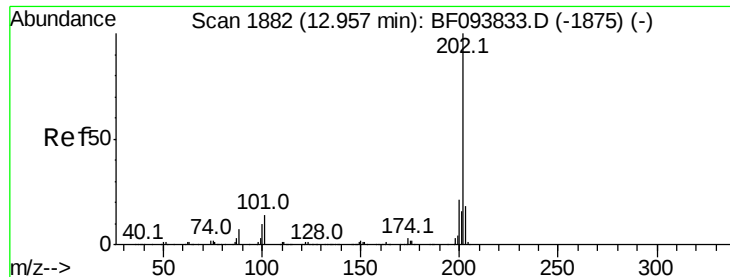
Delta R.T. -0.01 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	28.4	18.1	27.1
139	29.4	11.7	17.5





#74

Fluoranthene

Concen: 32.06 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.02 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Instrument :

BNA_F

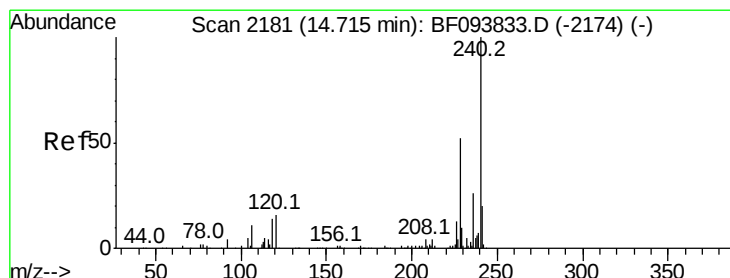
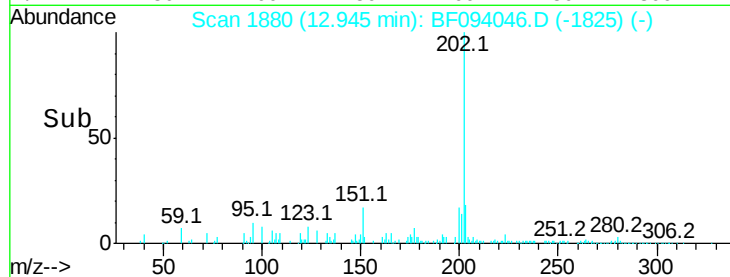
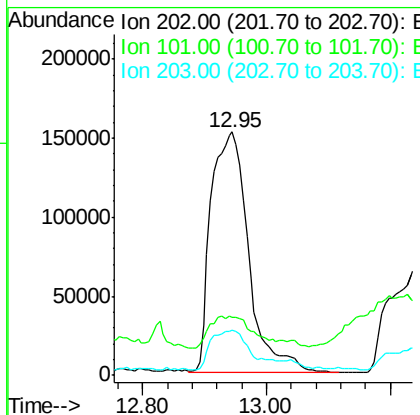
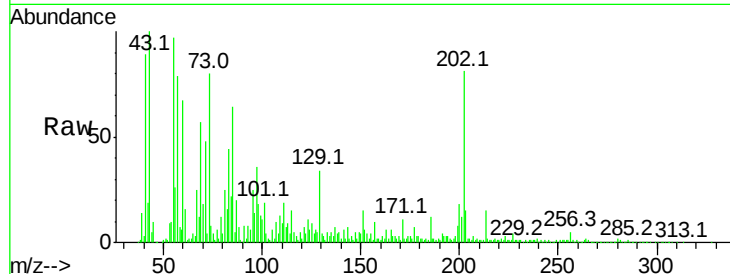
ClientSampleId :

E2-AA9-NSW

Tot Ion:	202	Resp:	637748
Ion Ratio	Lower	Upper	
202	100		
101	23.8	0.0	33.2
203	18.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

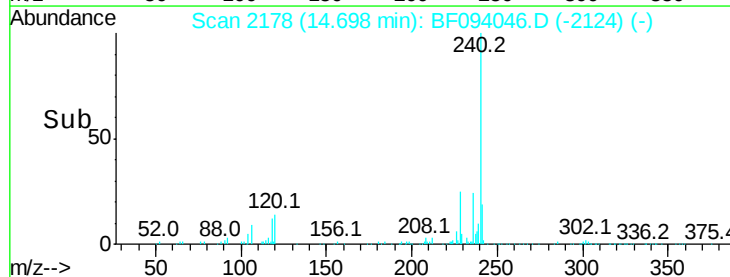
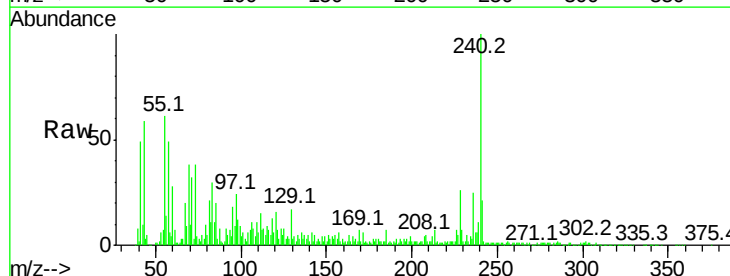
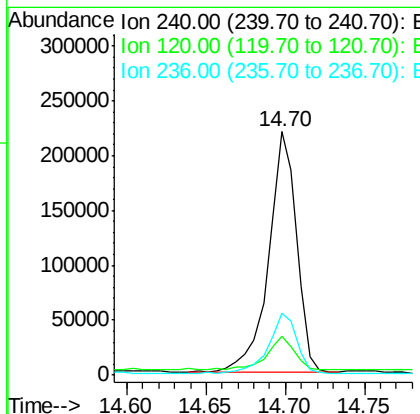
RT: 14.70 min Scan# 2178

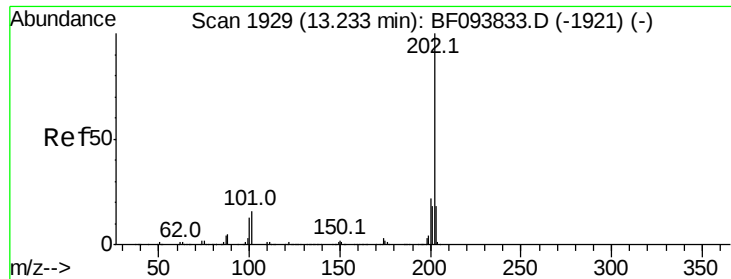
Delta R.T. 0.02 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Tgt Ion:	240	Resp:	272290
Ion Ratio	Lower	Upper	
240	100		
120	15.8	5.8	8.8#
236	25.3	20.5	30.7





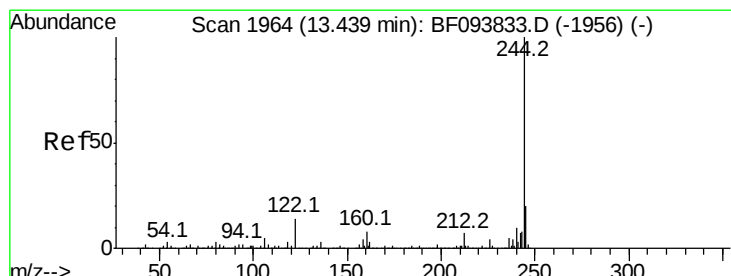
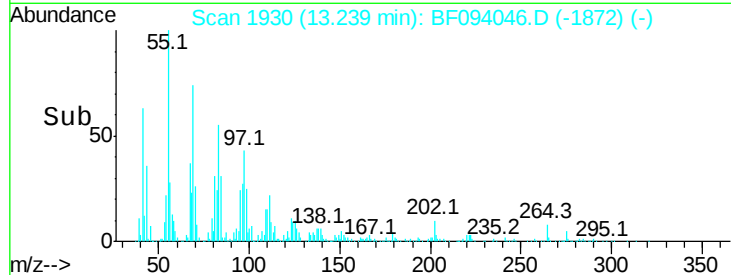
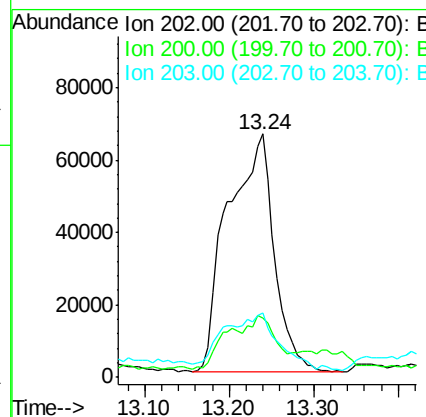
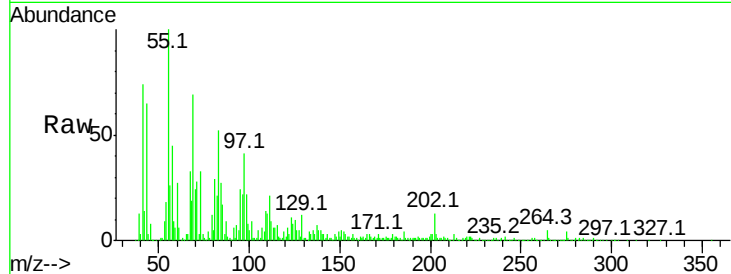
#77
Pvrene
Concen: 12.76 ng
RT: 13.24 min Scan# 1930
Delta R.T. 0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	24.1	17.6	26.4
203	26.6	14.4	21.6

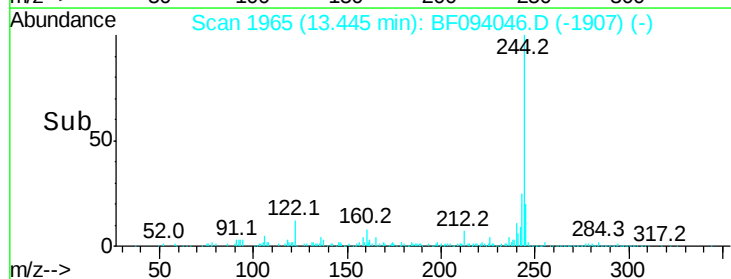
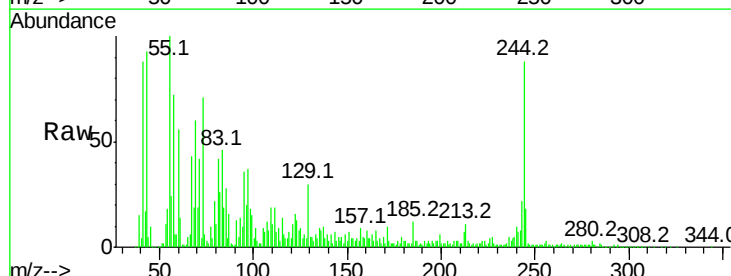
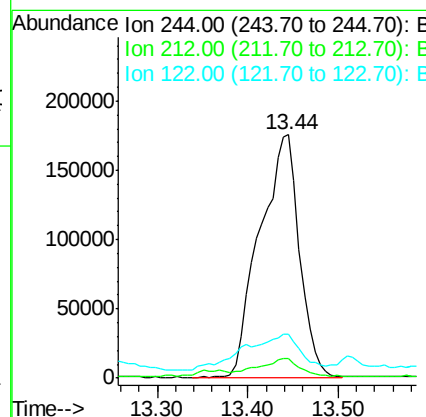
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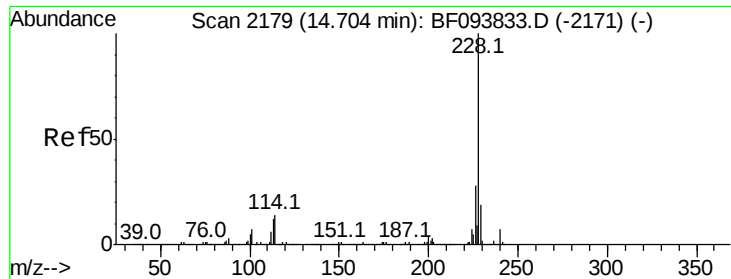
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#78
Terphenyl-d14
Concen: 44.17 ng
RT: 13.44 min Scan# 1965
Delta R.T. 0.04 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	6.0	9.0
122	18.1	10.3	15.5





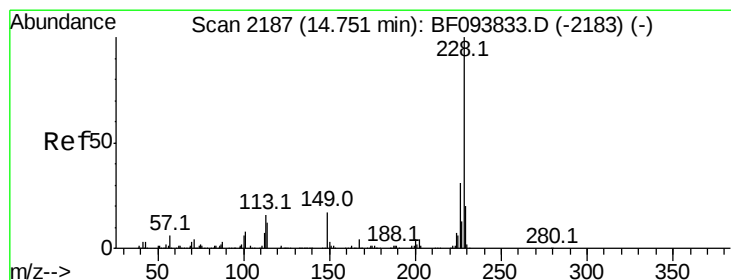
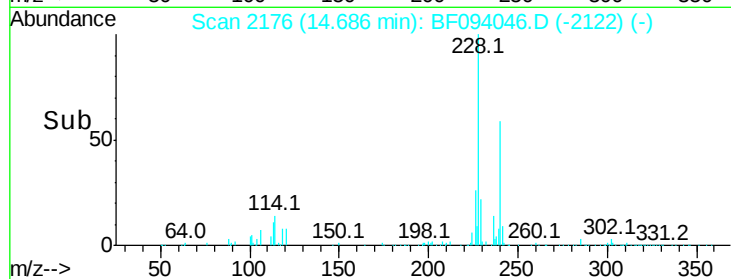
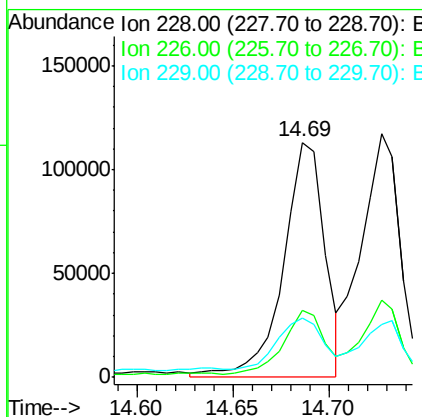
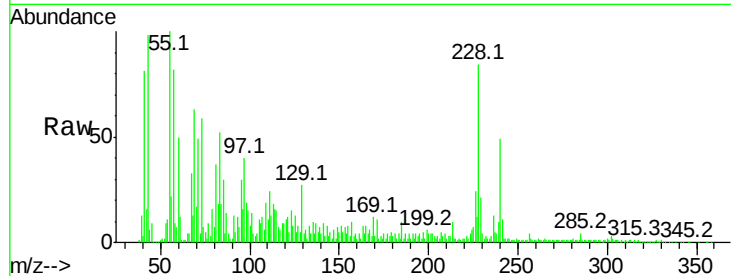
#80
Benzo(a)anthracene
Concen: 10.60 ng m
RT: 14.69 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	25.1	16.3	24.5

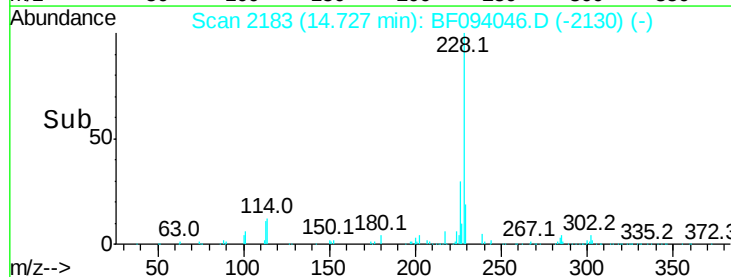
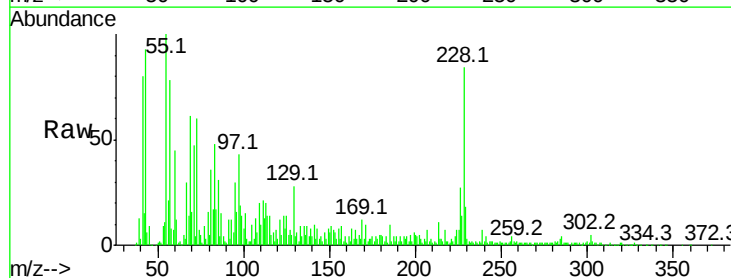
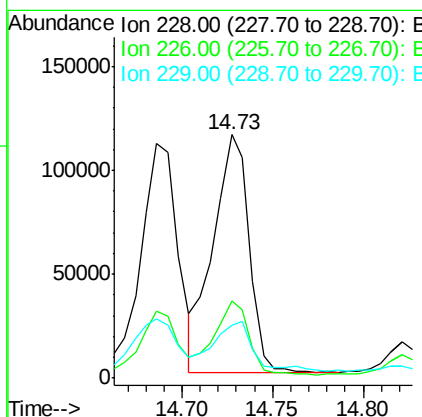
Manual Integrations
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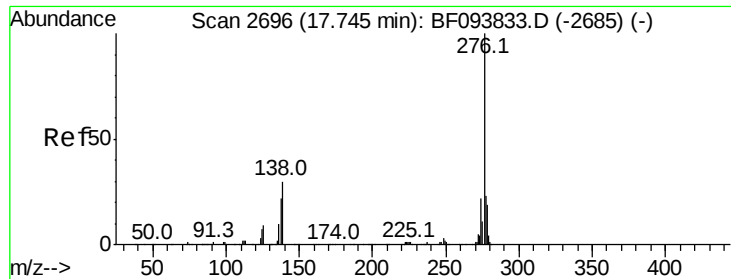
mohammad
3/30/2017 2:32:19 PM



#82
Chrysene
Concen: 10.79 ng
RT: 14.73 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	21.8	15.8	23.6





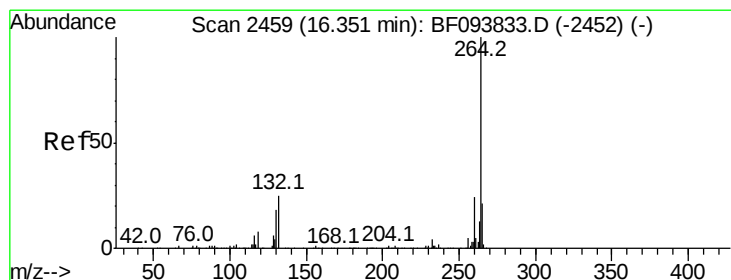
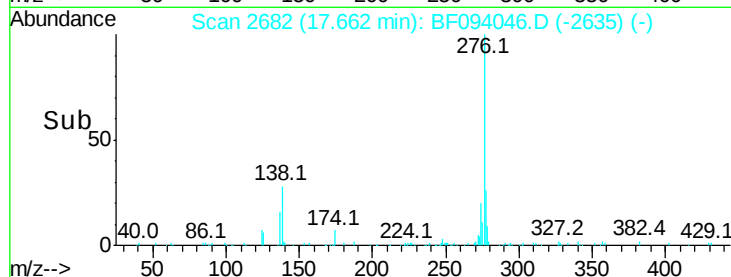
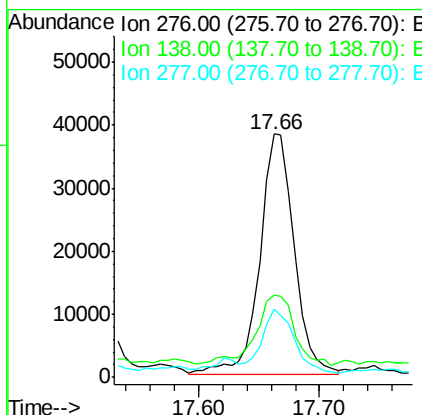
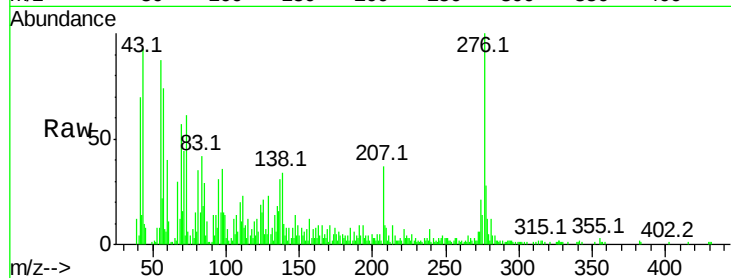
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.86 ng
 RT: 17.66 min Scan# 2682
 Delta R.T. -0.02 min
 Lab File: BF094046.D
 Acq: 30 Mar 2017 5:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.0	27.8	41.6
277	25.1	20.2	30.4

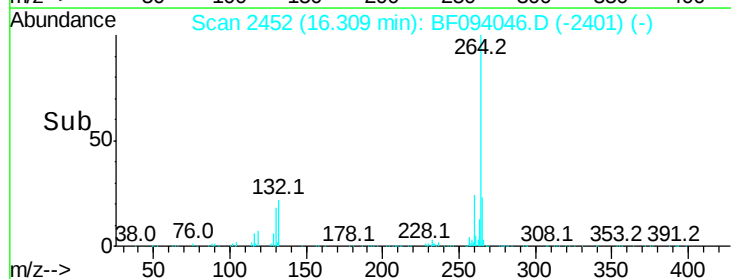
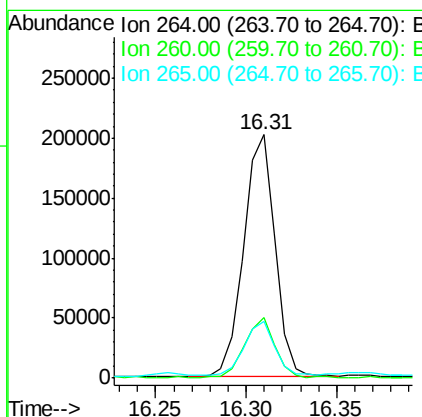
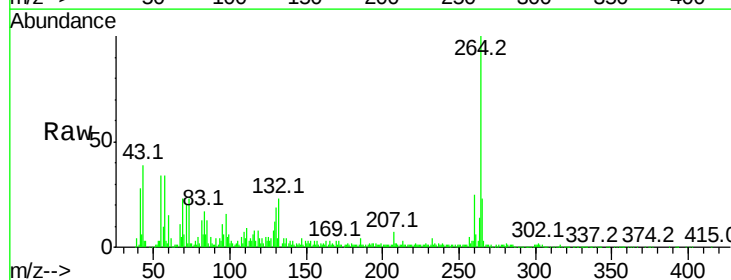
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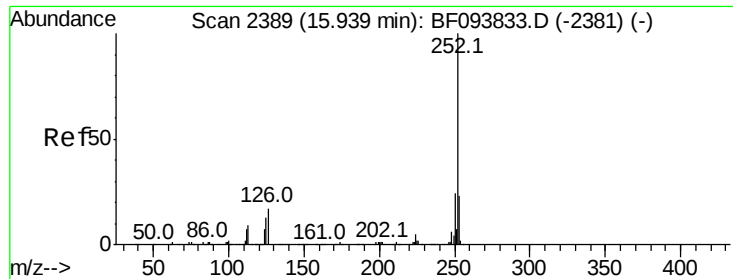
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.31 min Scan# 2452
 Delta R.T. 0.00 min
 Lab File: BF094046.D
 Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.14 ng m

RT: 15.90 min Scan# 2382

Delta R.T. 0.00 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

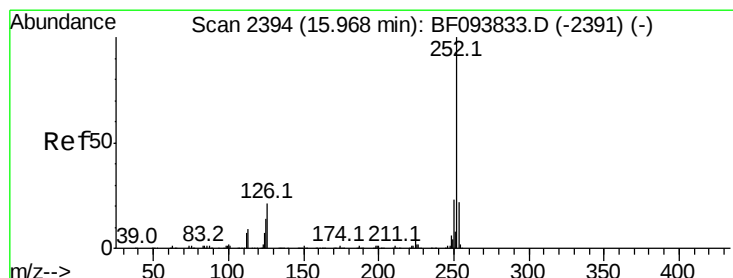
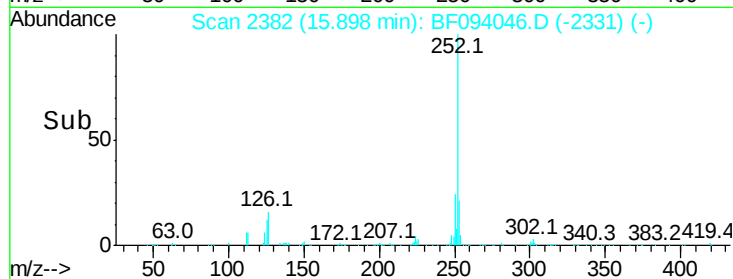
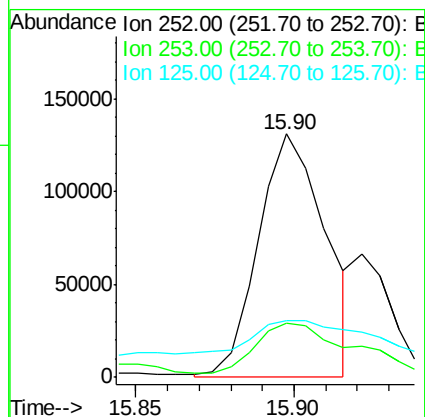
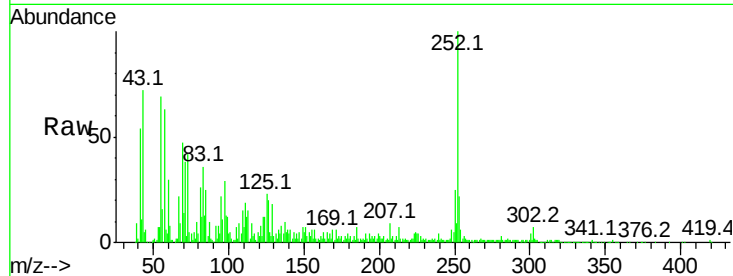
Instrument :
BNA_F

ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	23.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 3.90 ng m

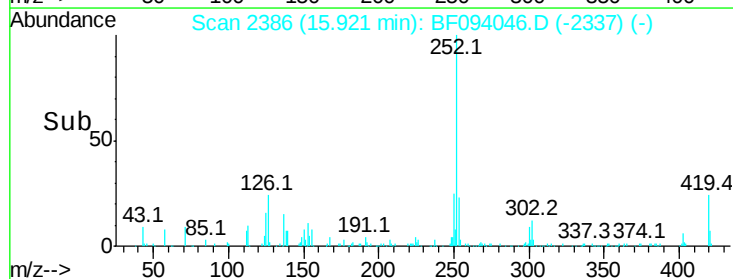
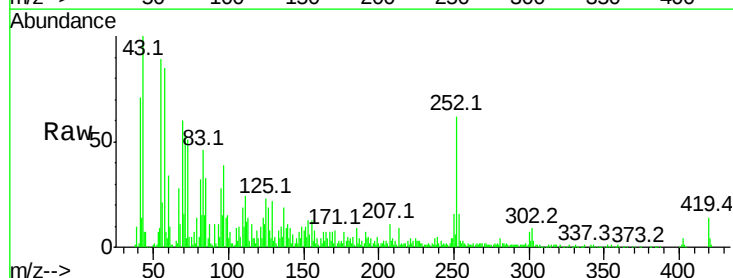
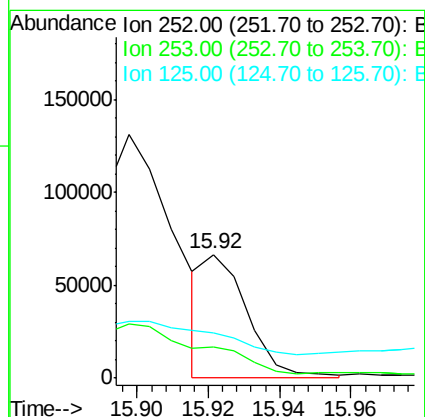
RT: 15.92 min Scan# 2386

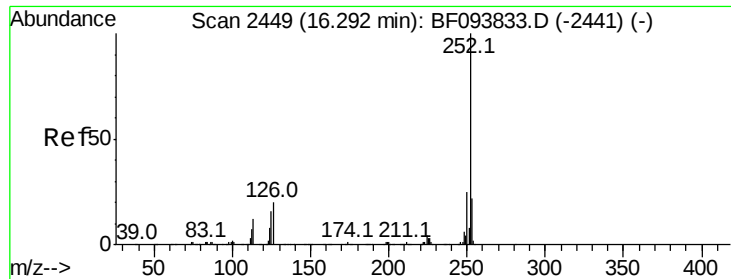
Delta R.T. -0.01 min

Lab File: BF094046.D

Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.4	27.6
125	36.5	13.1	19.7





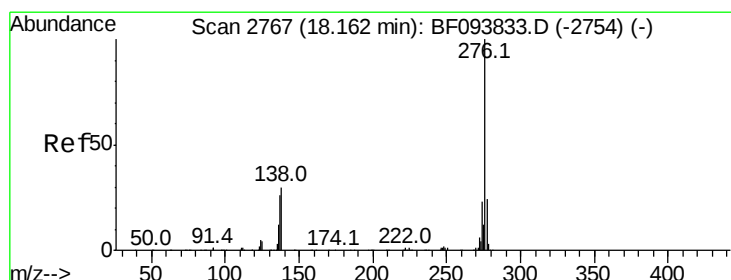
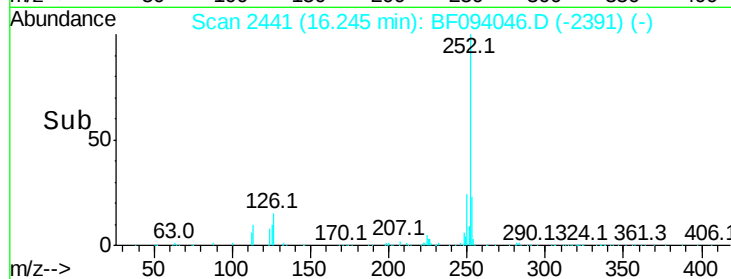
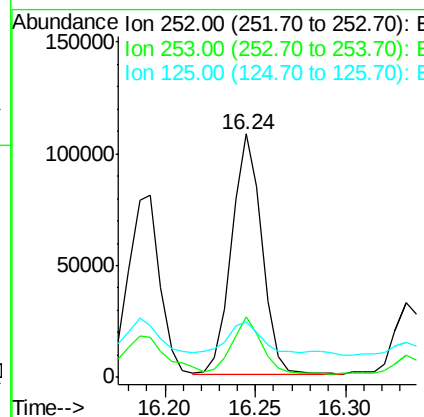
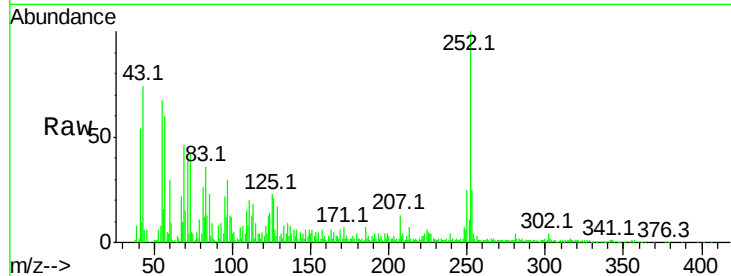
#89
Benzo(a)pyrene
Concen: 9.16 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Instrument :
BNA_F
ClientSampleId :
E2-AA9-NSW

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.5	26.3
125	22.6	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 6.34 ng
RT: 18.07 min Scan# 2751
Delta R.T. -0.03 min
Lab File: BF094046.D
Acq: 30 Mar 2017 5:51

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.4	18.6	28.0
138	33.8	25.4	38.0

