

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094371.D
 Acq On : 12 Apr 2017 00:55
 Operator : SJ/MA
 Sample : I2622-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE-D

Manual Integrations
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Quant Time: Apr 12 14:09:44 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	5.84	152	120164	20.00	ng	-0.02
21) Naphthalene-d8	7.37	136	420041	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	81785	20.00	ng	0.01
63) Phenanthrene-d10	11.33	188	234430	20.00	ng	0.00
75) Chrysene-d12	14.59	240	223302	20.00	ng	0.01
86) Perylene-d12	16.21	264	173274	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	748605	105.22	ng	-0.01
7) Phenol-d6	5.48	99	839864	95.43	ng	0.02
23) Nitrobenzene-d5	6.53	82	460740	62.60	ng	0.02
41) 2,4,6-Tribromophenol	10.49	330	103448	160.07	ng	0.01
44) 2-Fluorobiphenyl	8.69	172	654571	122.08	ng	0.00
78) Terphenyl-d14	13.31	244	571195	57.34	ng	0.01
Target Compounds						Qvalue
10) Phenol	5.50	94	2077106	207.39	ng	95
17) 2-Methylphenol	6.20	107	6111481	912.54	ng	96
20) 3+4-Methylphenols	6.40	107	8294637	1022.62	ng	# 65
27) 2,4-Dimethylphenol	7.08	122	12262729m	2055.80	ng	
31) Naphthalene	7.43	128	1881295	93.15	ng	97
37) 2-Methylnaphthalene	8.27	142	3326442	247.07	ng	97
45) 1,1'-Biphenyl	8.81	154	286998	43.51	ng	98
49) Dimethylphthalate	9.19	163	137298	23.62	ng	# 85
51) Acenaphthene	9.55	154	137737	27.51	ng	# 90
54) Dibenzofuran	9.76	168	246263	36.13	ng	# 69
57) Fluorene	10.18	166	248909	44.03	ng	# 81
70) Phenanthrene	11.36	178	869962	66.71	ng	98
71) Anthracene	11.42	178	277333m	20.65	ng	
72) Carbazole	11.62	167	68326	4.96	ng	# 49
74) Fluoranthene	12.83	202	138651	10.38	ng	95
77) Pyrene	13.10	202	161965	9.99	ng	97
80) Benzo(a)anthracene	14.57	228	38771	2.98	ng	# 81
82) Chrysene	14.62	228	55732	4.61	ng	# 84

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

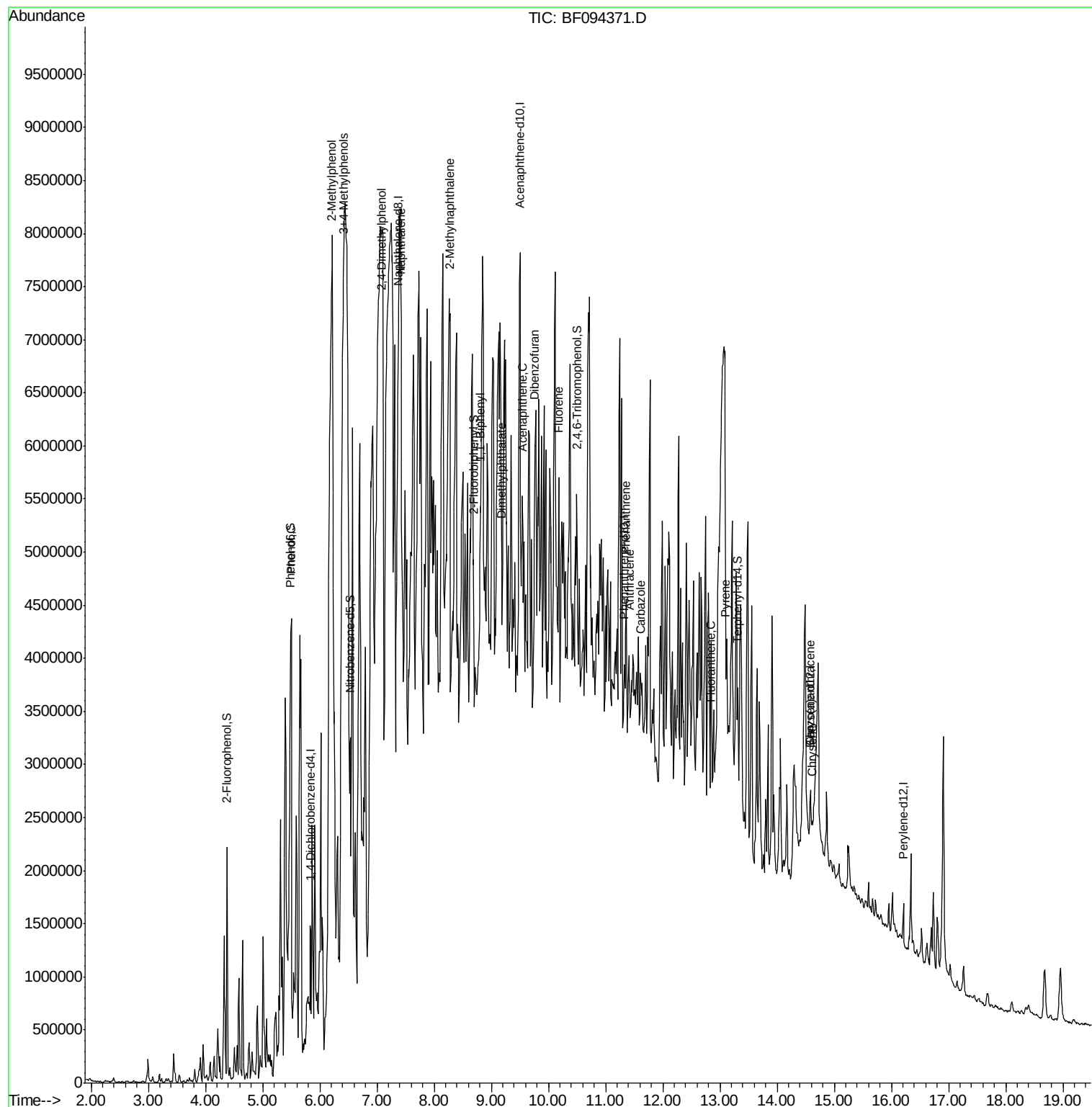
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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ALS Vial : 20 Sample Multiplier: 1

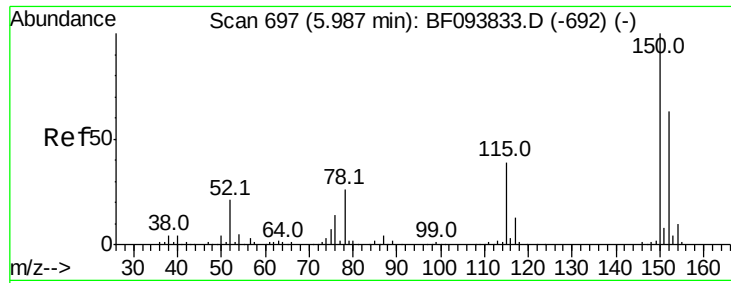
Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE-D

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#1

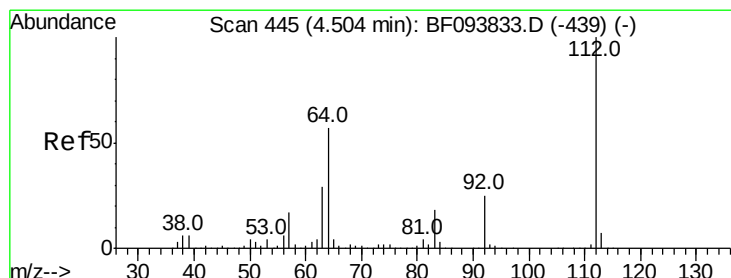
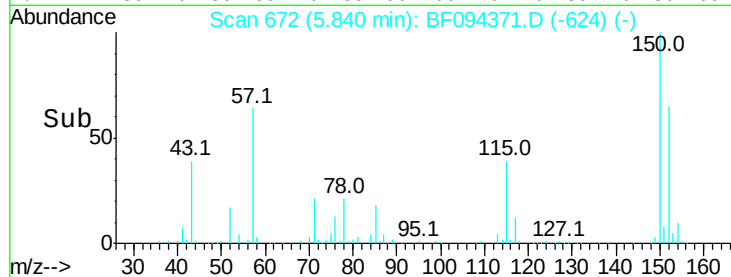
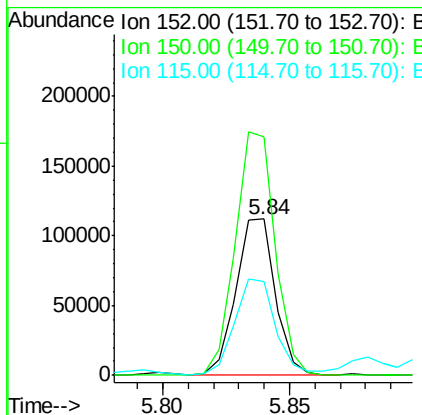
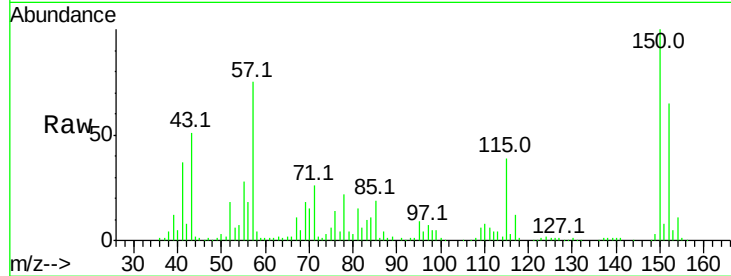
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.84 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.2	189.2
115	60.1	52.2	78.2

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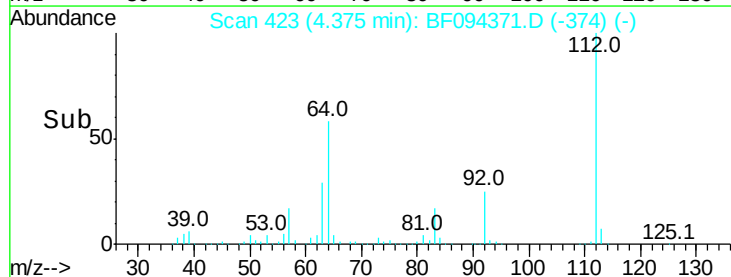
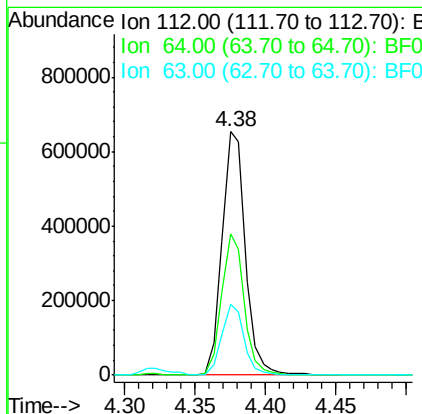
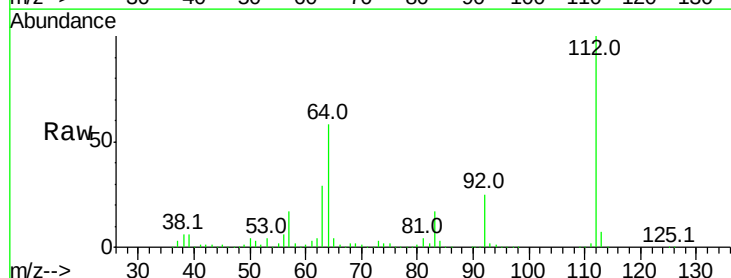
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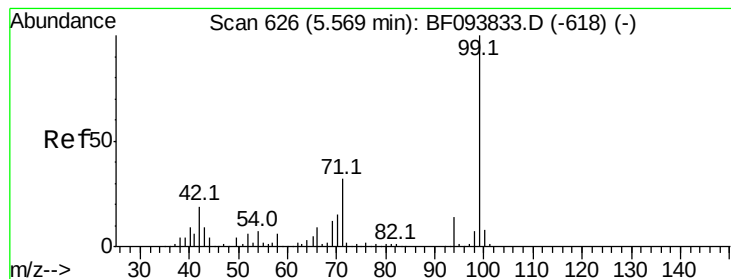


#5

2-Fluorophenol
Concen: 105.22 ng
RT: 4.38 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	29.0	23.4	35.0





#7

Phenol-d6

Concen: 95.43 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.02 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Instrument :

BNA_F

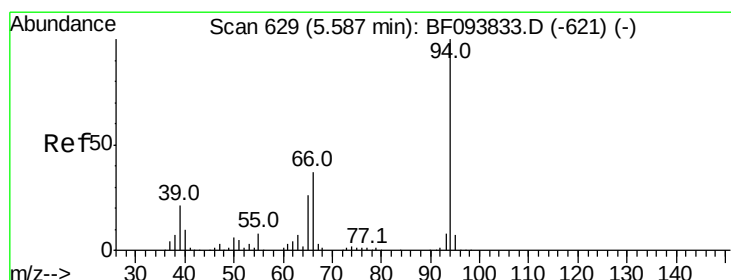
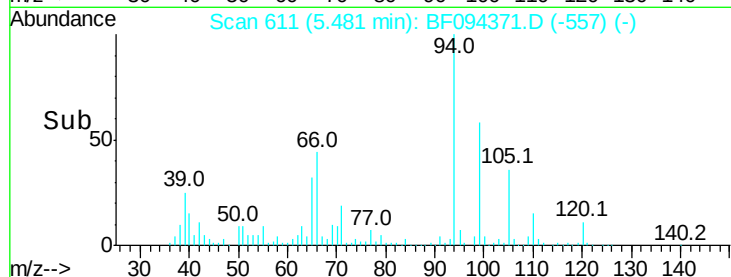
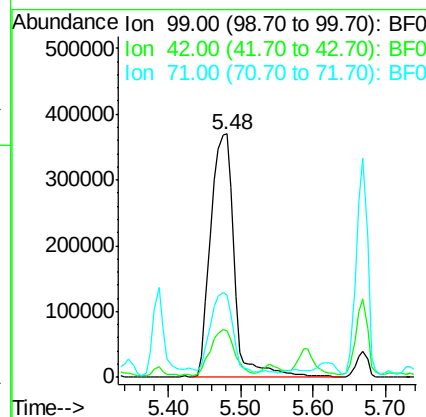
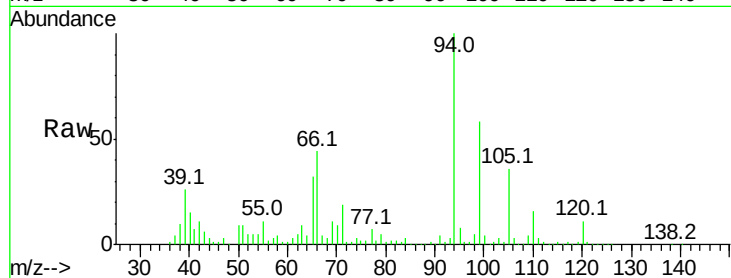
ClientSampleId :

E2-AA8-BASE-D

Tot Ion:	99	Resp:	839864
Ion Ratio	Lower	Upper	
99	100		
42	19.1	13.5	20.3
71	33.7	24.5	36.7

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#10

Phenol

Concen: 207.39 ng

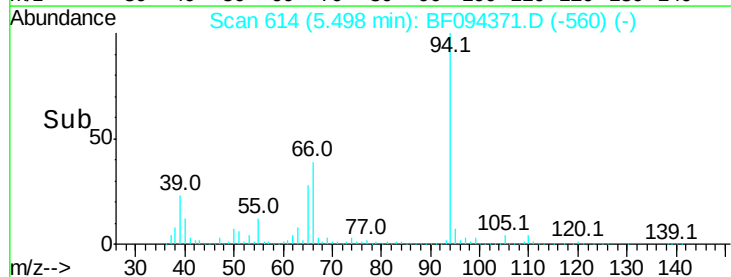
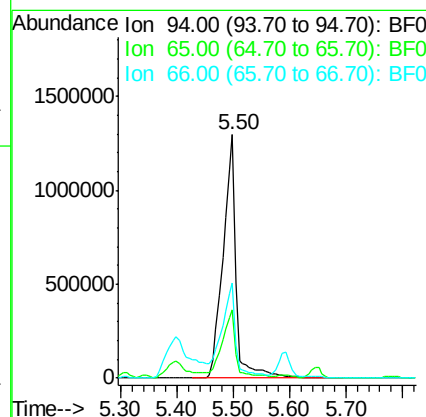
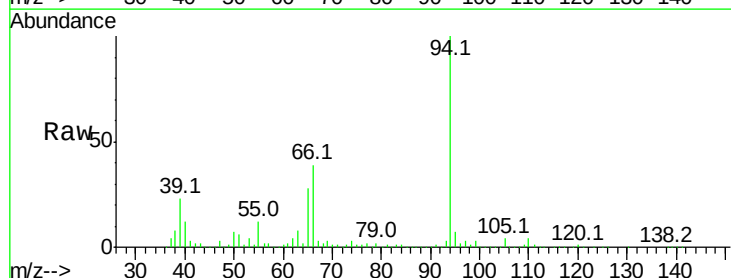
RT: 5.50 min Scan# 614

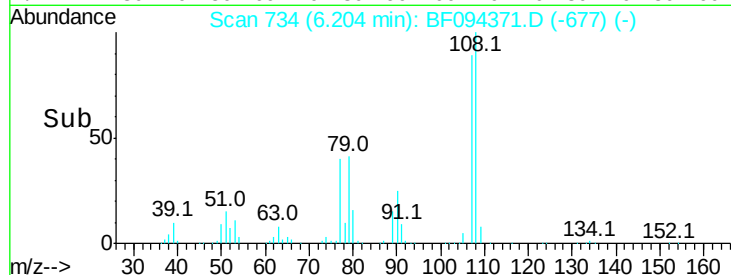
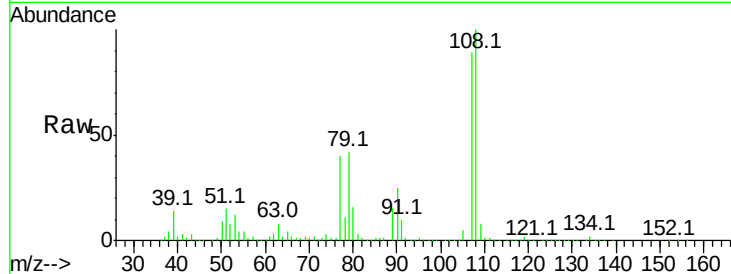
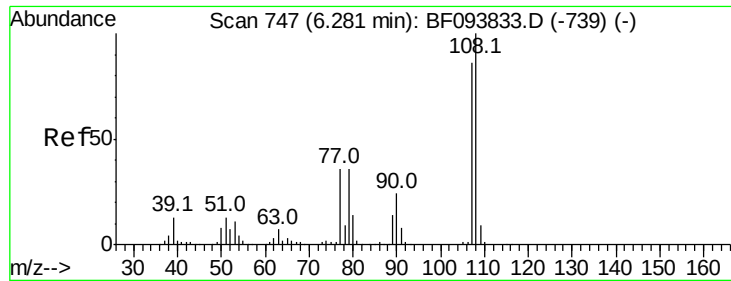
Delta R.T. 0.02 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Tgt Ion:	94	Resp:	2077106
Ion Ratio	Lower	Upper	
94	100		
65	28.1	9.9	49.9
66	39.2	23.1	63.1





#17

2-Methylphenol

Concen: 912.54 ng

RT: 6.20 min Scan# 734

Delta R.T. 0.04 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Tot Ion:107 Resp: 6111481

Ion Ratio Lower Upper

107 100

108 112.2 93.4 140.0

77 45.4 35.8 53.6

79 46.8 34.8 52.2

Instrument :

BNA_F

ClientSampleId :

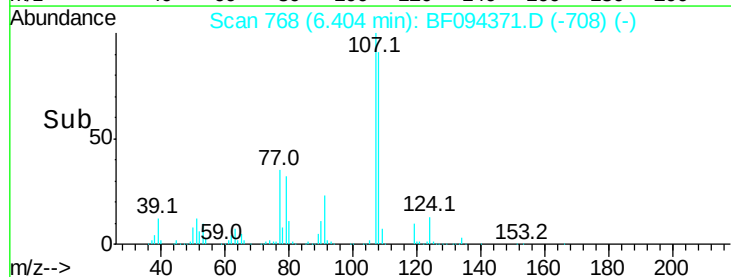
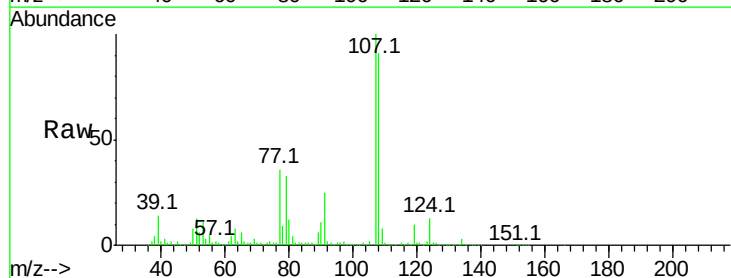
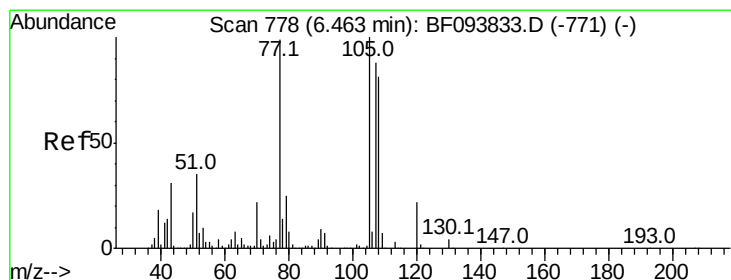
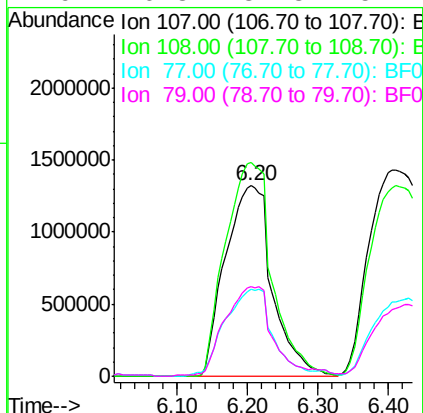
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#20

3+4-Methylphenols

Concen: 1022.62 ng

RT: 6.40 min Scan# 768

Delta R.T. 0.05 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Tgt Ion:107 Resp: 8294637

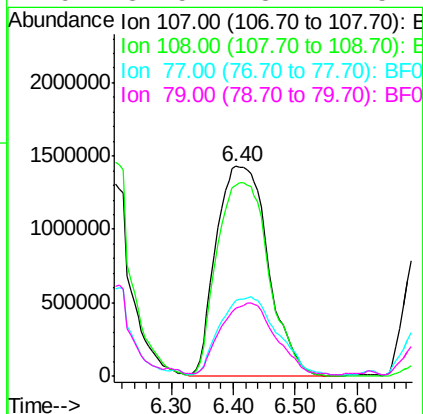
Ion Ratio Lower Upper

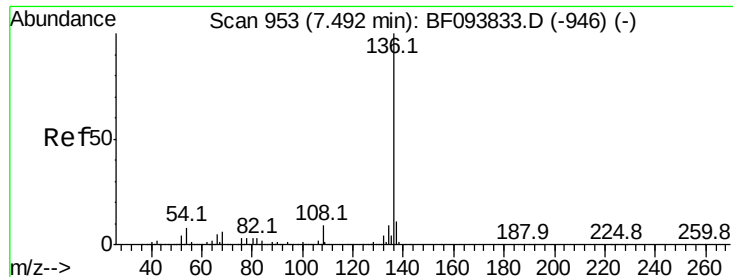
107 100

108 91.0 71.0 111.0

77 35.8 90.5 130.5#

79 32.5 8.4 48.4





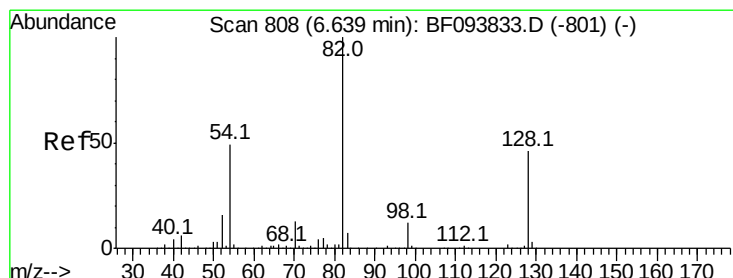
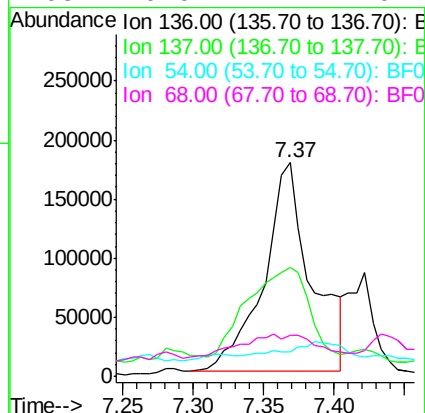
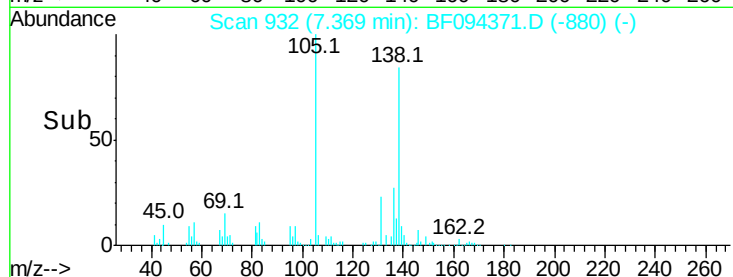
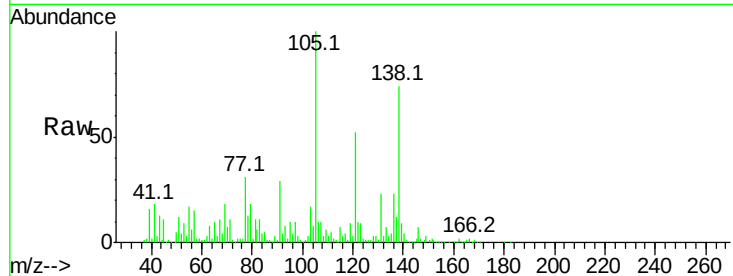
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.37 min Scan# 932
Delta R.T. 0.01 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	51.1	8.5	12.7#	
54	11.7	4.9	7.3#	
68	19.0	4.1	6.1#	

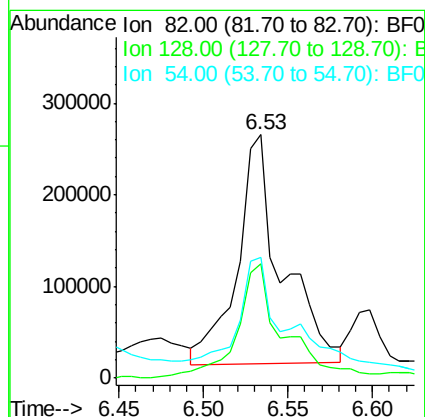
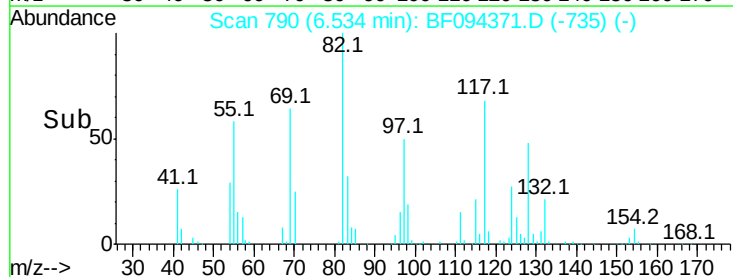
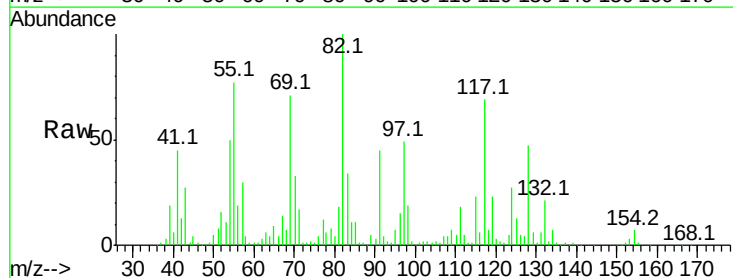
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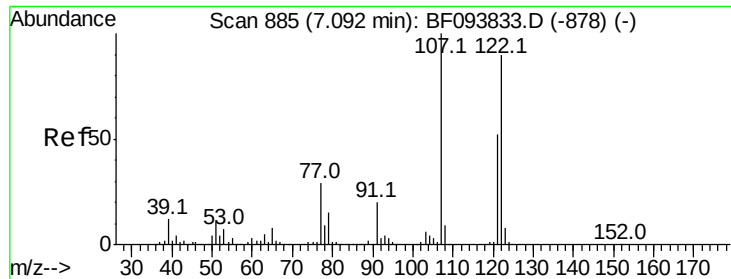
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#23
Nitrobenzene-d5
Concen: 62.60 ng
RT: 6.53 min Scan# 790
Delta R.T. 0.02 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	34.0	51.0	
54	49.5	42.2	63.2	





#27

2,4-Dimethylphenol

Concen: 2055.80 ng/mL

RT: 7.08 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Instrument :

BNA_F

ClientSampleID :

E2-AA8-BASE-D

Tot Ion:122 Resp:12262729

Ion Ratio Lower Upper

122 100

107 116.8 89.2 133.8

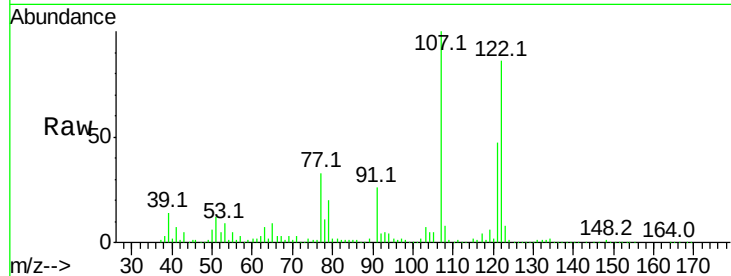
121 54.6 45.2 67.8

Manual Integrations

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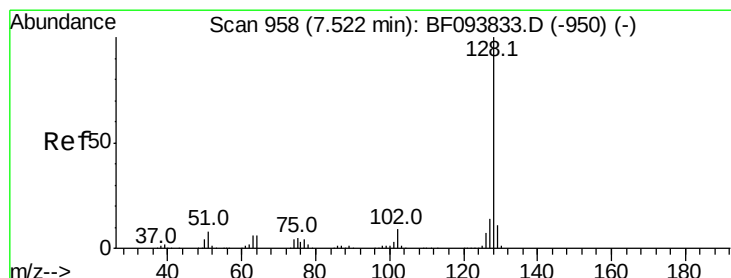
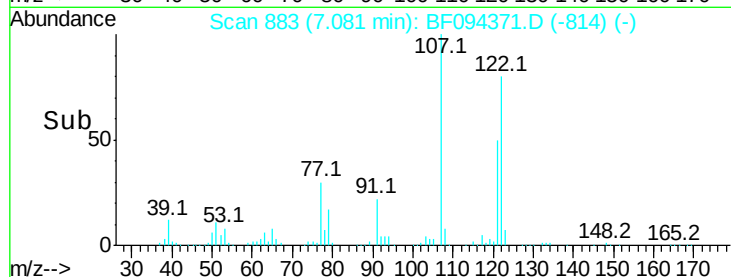
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Time-->

7.08



#31

Naphthalene

Concen: 93.15 ng/mL

RT: 7.43 min Scan# 942

Delta R.T. 0.04 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

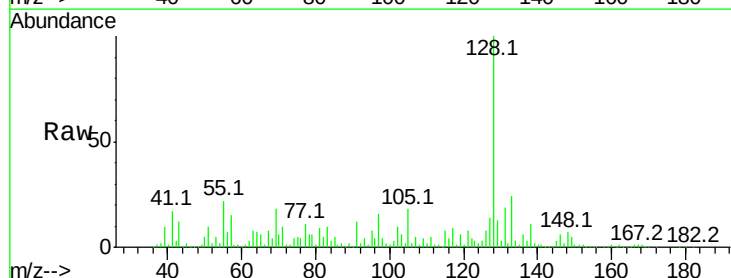
Tgt Ion:128 Resp: 1881295

Ion Ratio Lower Upper

128 100

129 13.1 9.0 13.6

127 13.9 10.8 16.2



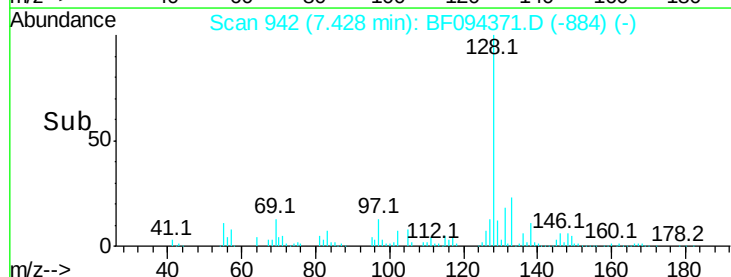
Abundance Ion 128.00 (127.70 to 128.70): E

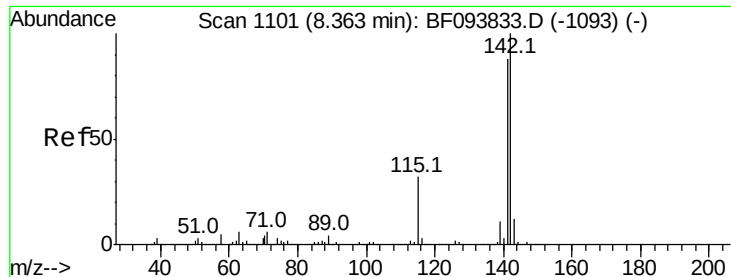
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->

7.43





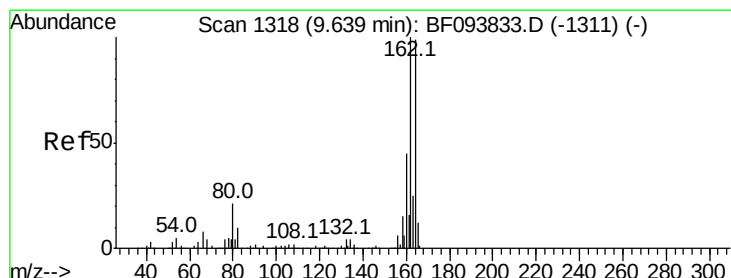
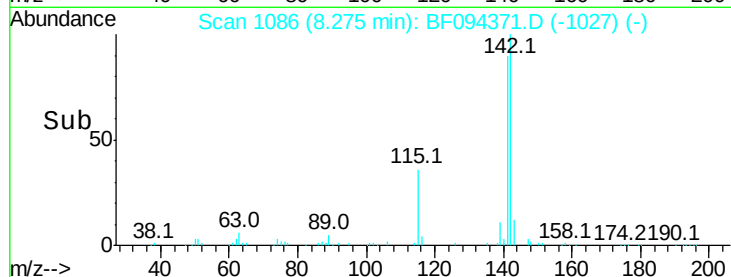
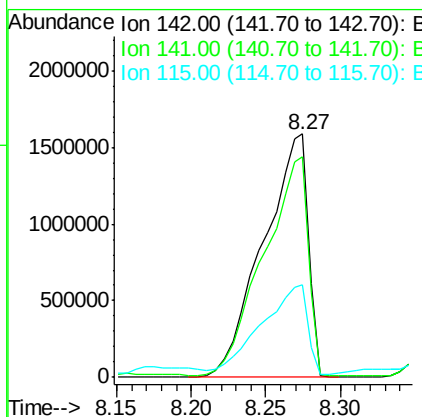
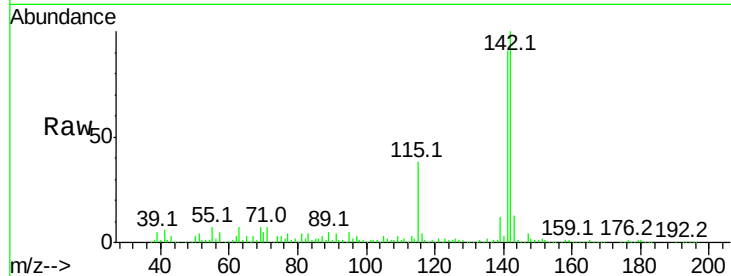
#37
2-Methylnaphthalene
Concen: 247.07 ng
RT: 8.27 min Scan# 1086
Delta R.T. 0.05 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE-D

Tot Ion:142 Resp: 3326442
Ion Ratio Lower Upper
142 100
141 90.7 71.3 106.9
115 37.8 27.1 40.7

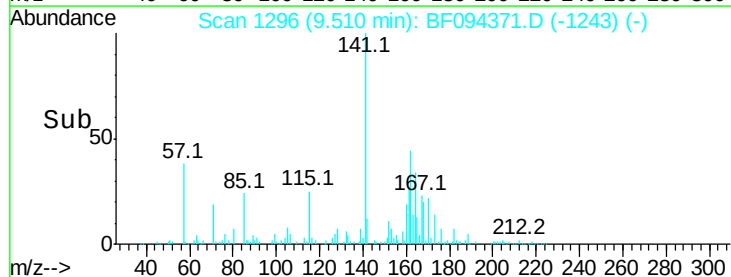
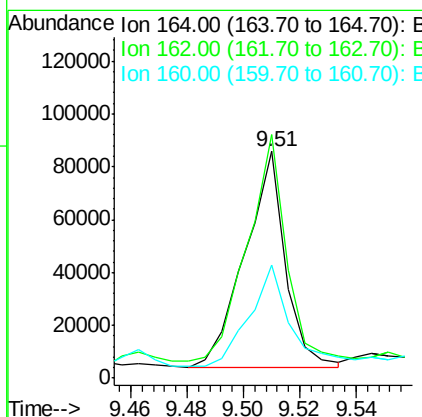
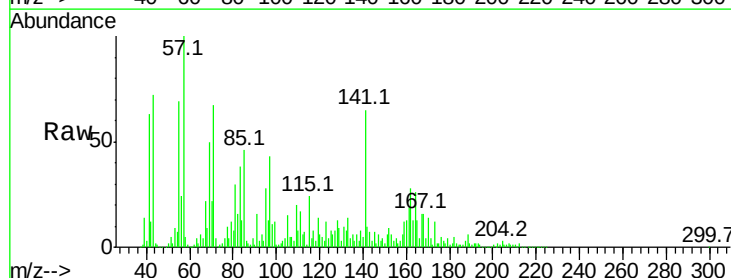
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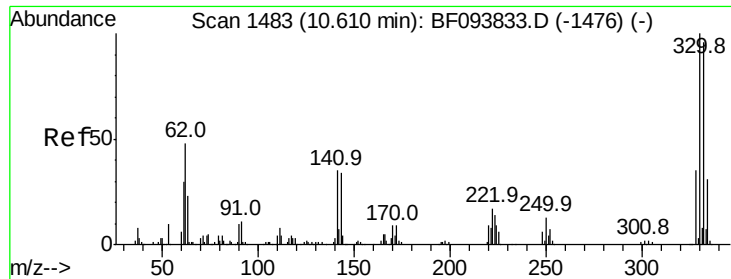
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Tgt Ion:164 Resp: 81785
Ion Ratio Lower Upper
164 100
162 107.5 82.6 123.8
160 50.1 36.2 54.2





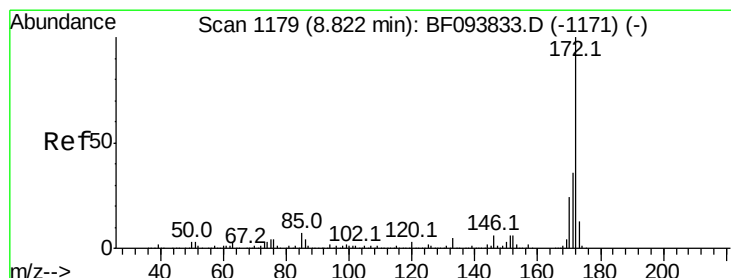
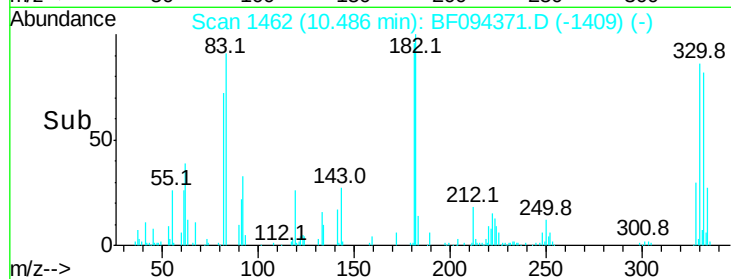
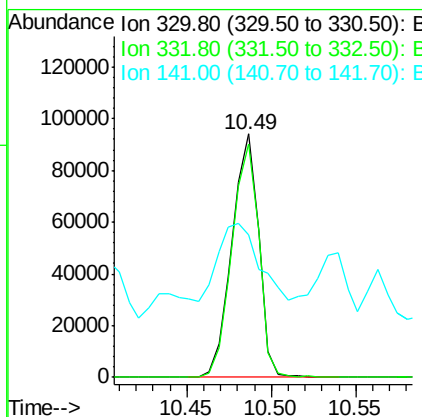
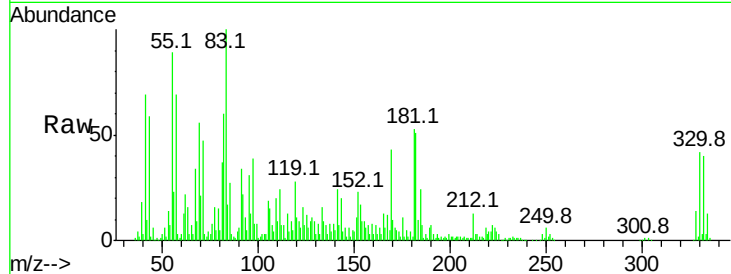
#41
 2,4,6-Tribromophenol
 Concen: 160.07 ng
 RT: 10.49 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE-D

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	48.7	31.4	47.2

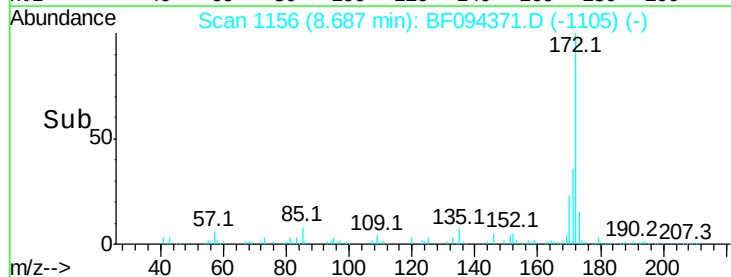
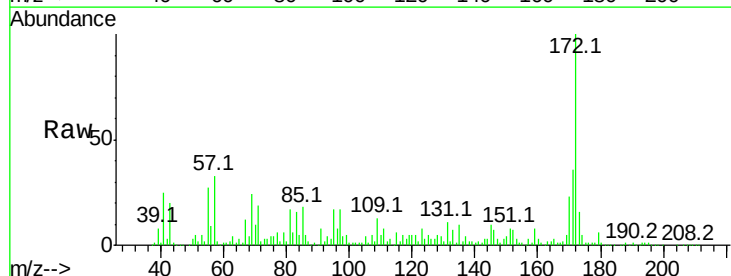
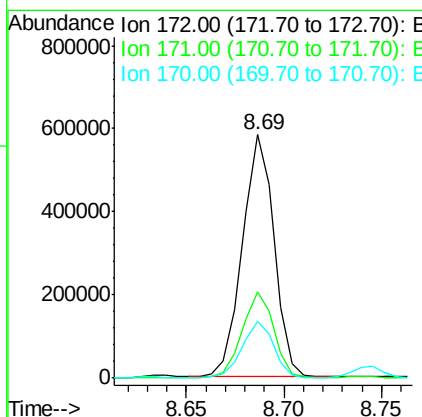
Manual Integrations
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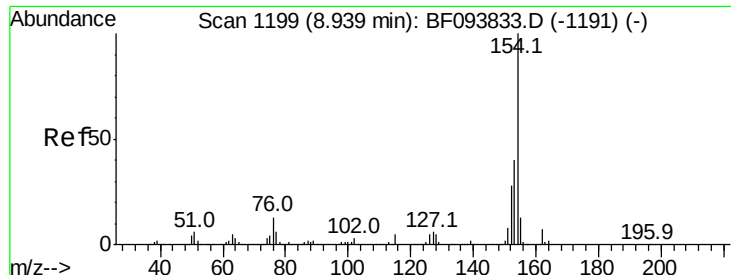
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#44
 2-Fluorobiphenyl
 Concen: 122.08 ng
 RT: 8.69 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

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





#45

1,1'-Biphenyl

Concen: 43.51 ng

RT: 8.81 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Instrument :

BNA_F

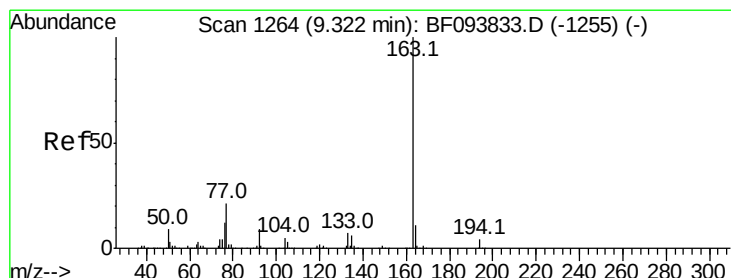
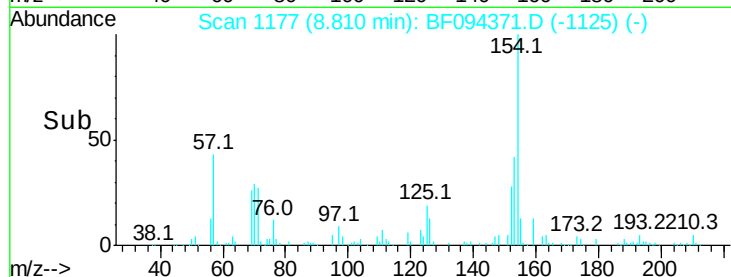
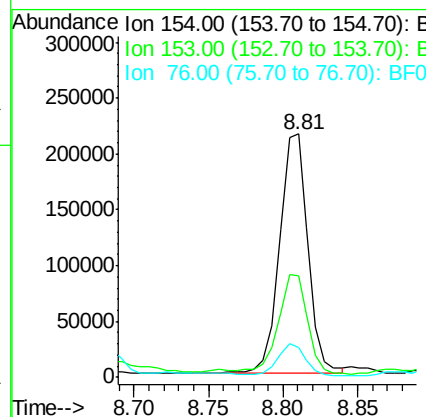
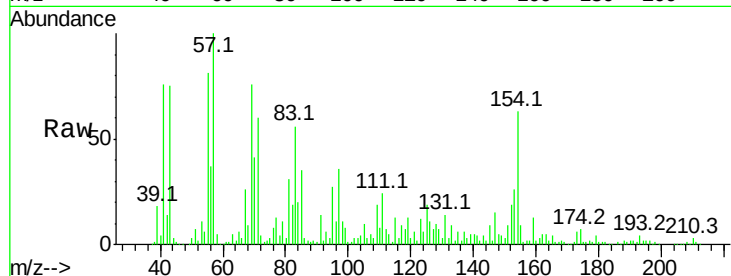
ClientSampleId :

E2-AA8-BASE-D

Tot Ion:	154	Resp:	286998
Ion Ratio	Lower	Upper	
154	100		
153	41.7	21.2	61.2
76	12.4	0.0	29.9

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#49

Dimethylphthalate

Concen: 23.62 ng

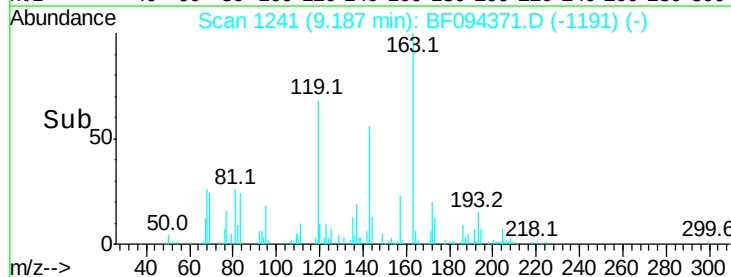
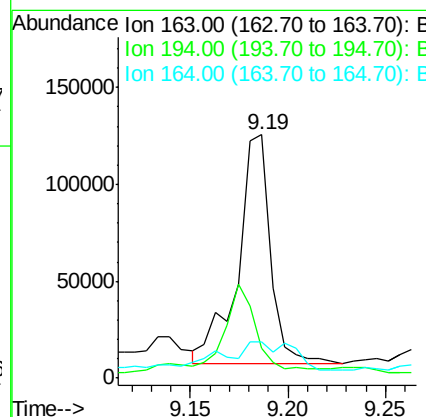
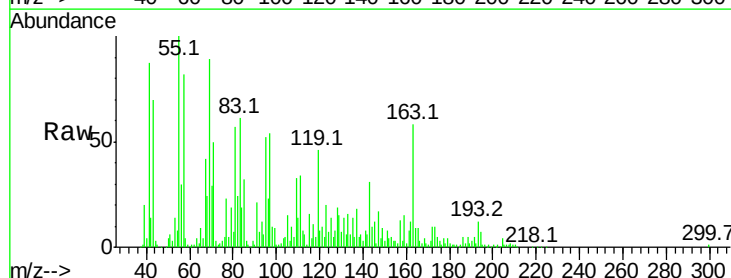
RT: 9.19 min Scan# 1241

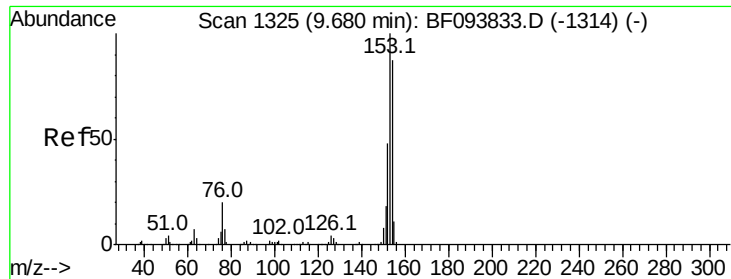
Delta R.T. -0.01 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Tgt Ion:	163	Resp:	137298
Ion Ratio	Lower	Upper	
163	100		
194	12.0	2.6	4.0#
164	14.8	8.4	12.6#





#51

Acenaphthene

Concen: 27.51 ng

RT: 9.55 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Instrument :

BNA_F

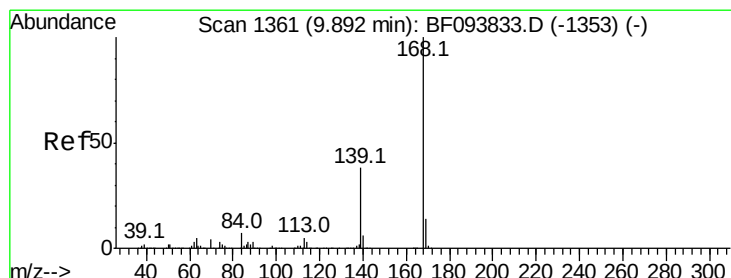
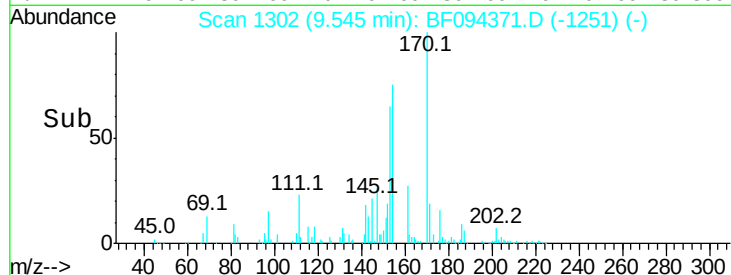
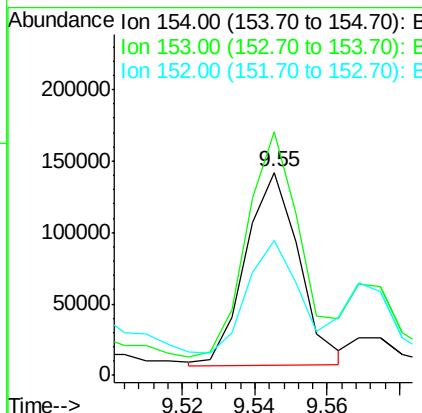
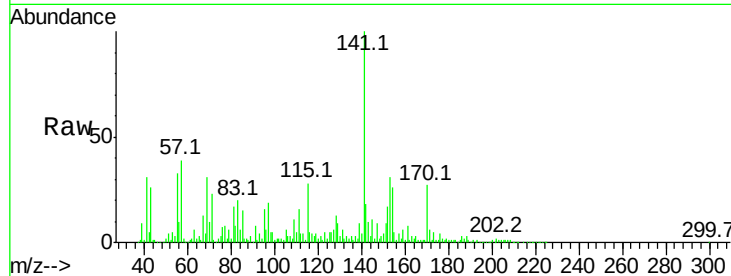
ClientSampleId :

E2-AA8-BASE-D

Tot Ion	Ratio	Lower	Upper
154	100		
153	120.1	90.5	135.7
152	66.7	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 36.13 ng

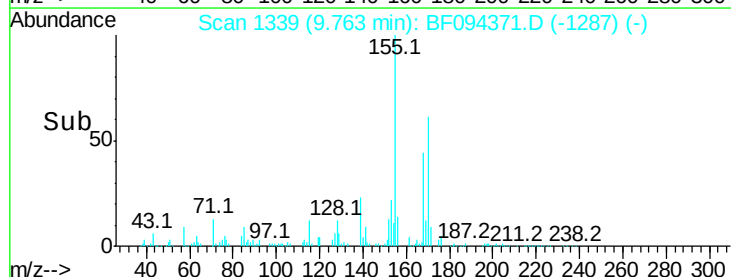
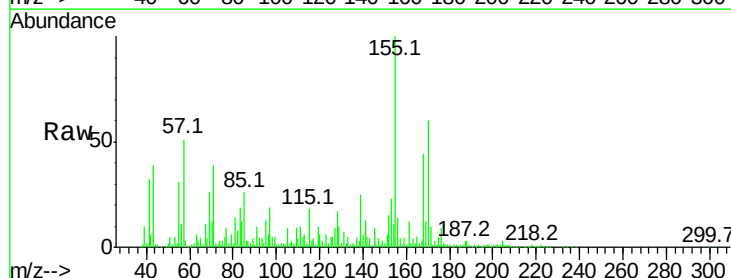
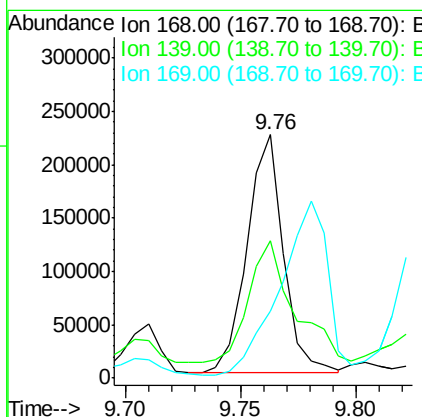
RT: 9.76 min Scan# 1339

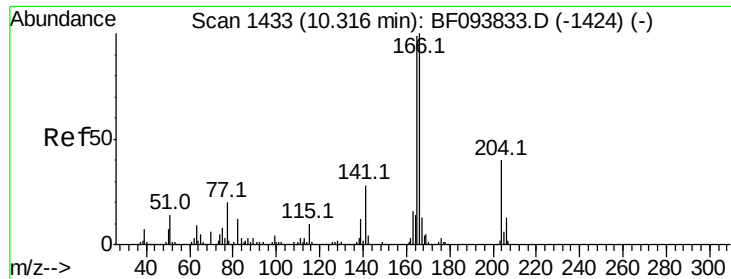
Delta R.T. 0.01 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	56.3	30.6	45.8
169	27.7	10.8	16.2





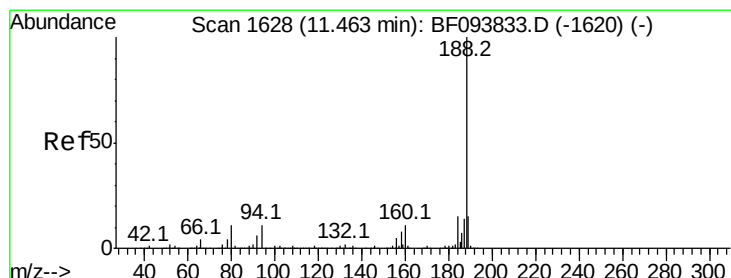
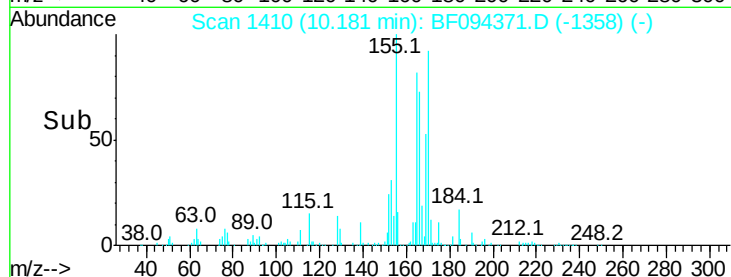
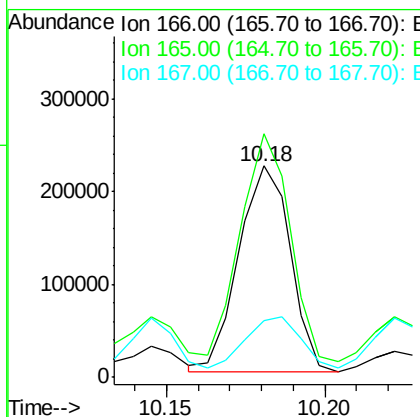
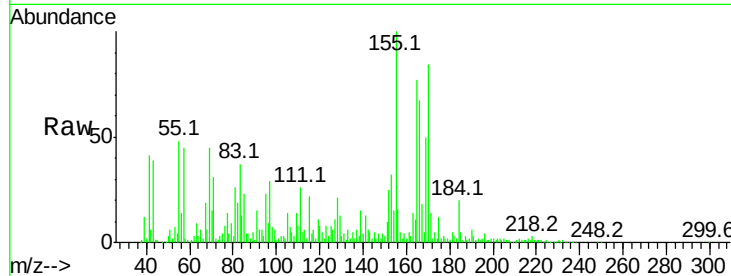
#57
Fluorene
 Concen: 44.03 ng
 RT: 10.18 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE-D

Tot Ion	Ratio	Resp	Lower	Upper
166	100	248909		
165	115.1	78.8	118.2	
167	26.9	10.6	16.0	

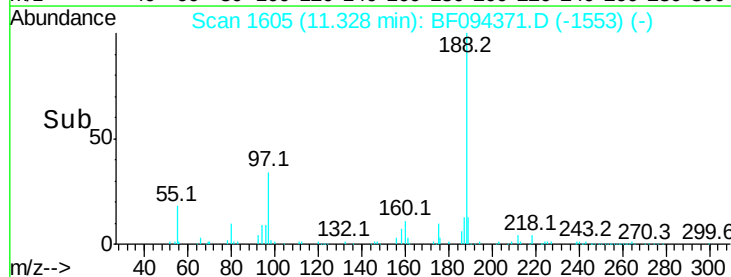
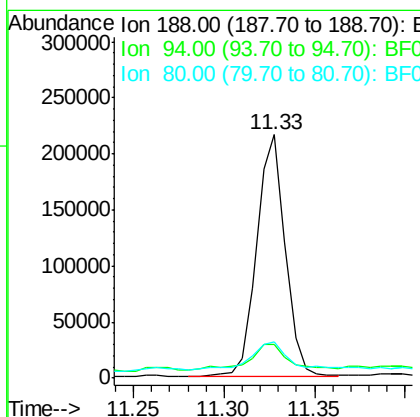
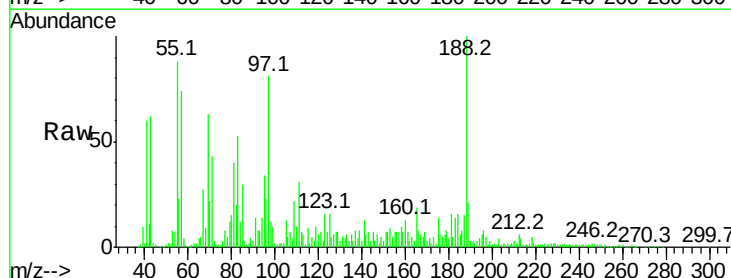
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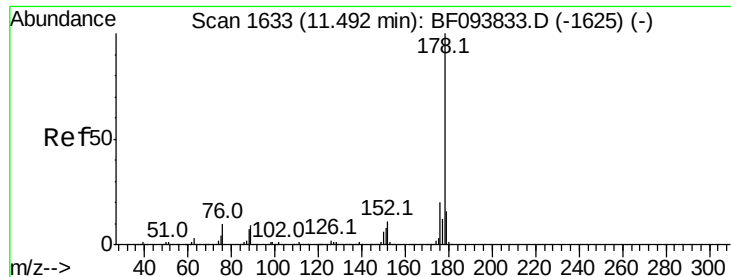
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	234430		
94	13.6	9.4	14.2	
80	14.7	10.2	15.2	





#70

Phenanthrene

Concen: 66.71 ng

RT: 11.36 min Scan# 1610

Delta R.T. 0.01 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Instrument :

BNA_F

ClientSampleId :

E2-AA8-BASE-D

Tot Ion:178 Resp: 869962

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

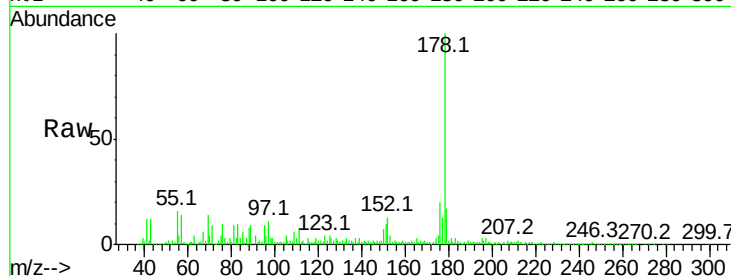
179 17.2 12.6 19.0

Manual Integrations

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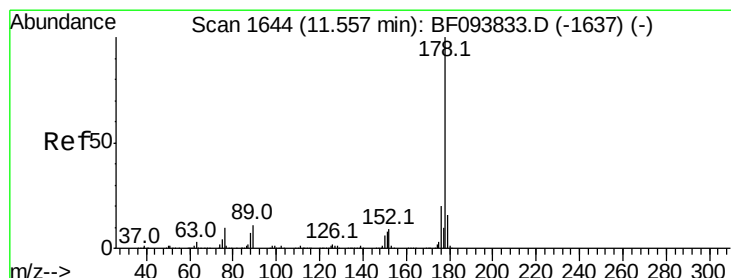
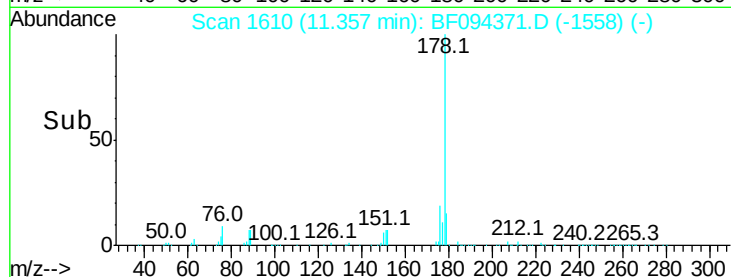
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.36

Time-->



#71

Anthracene

Concen: 20.65 ng m

RT: 11.42 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

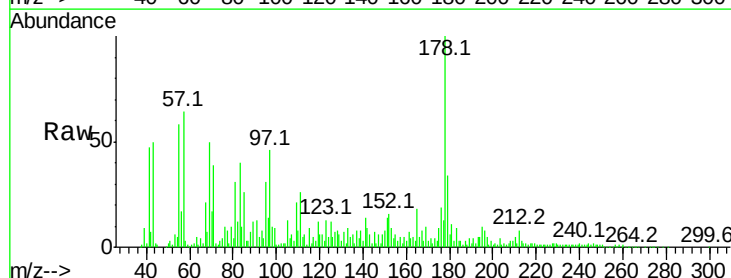
Tgt Ion:178 Resp: 277333

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 33.7 12.7 19.1#



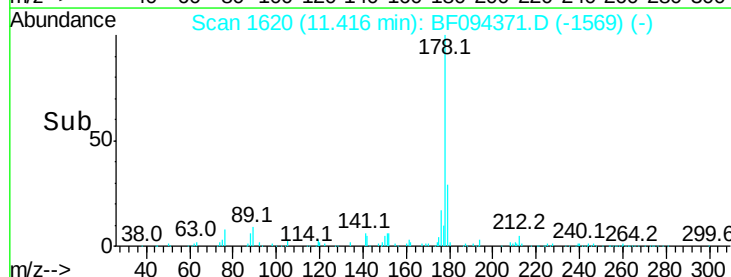
Abundance Ion 178.00 (177.70 to 178.70): E

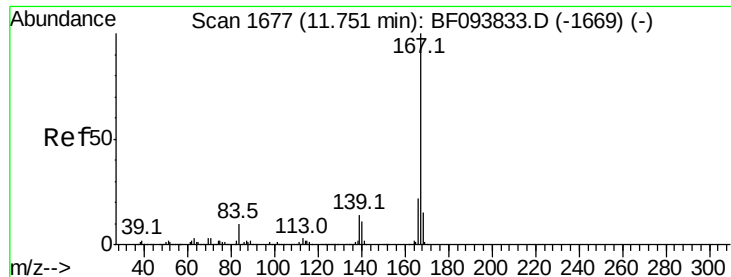
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.42

Time-->





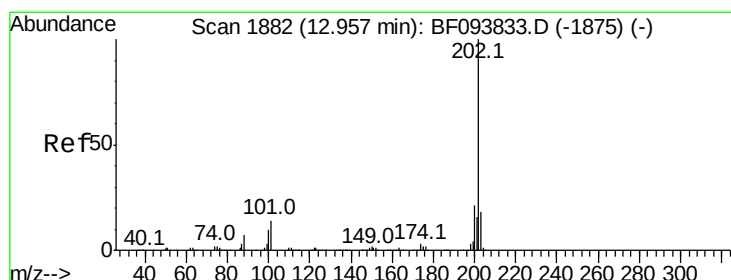
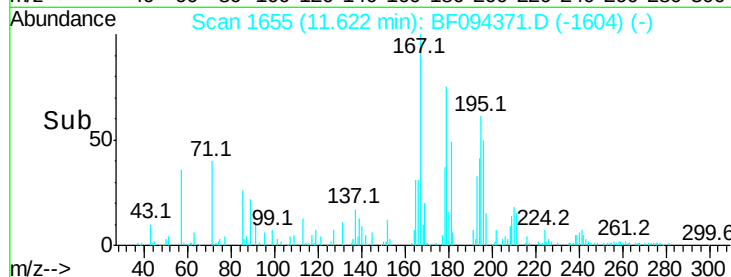
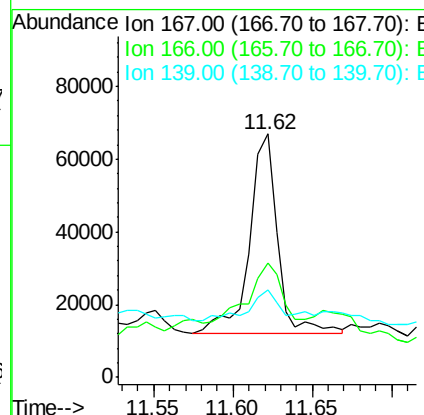
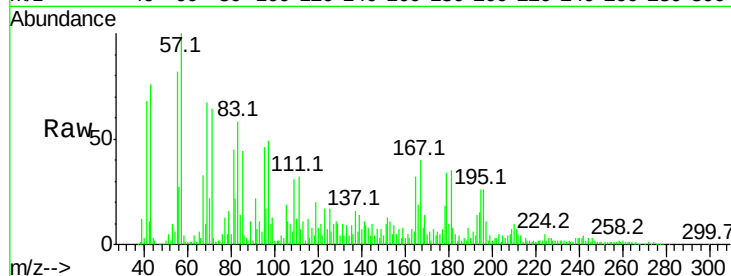
#72
 Carbazole
 Concen: 4.96 ng
 RT: 11.62 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE-D

Tot Ion	Ratio	Lower	Upper
167	100		
166	47.2	18.1	27.1#
139	35.8	11.7	17.5#

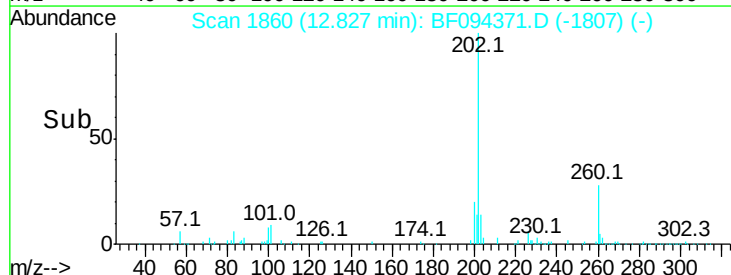
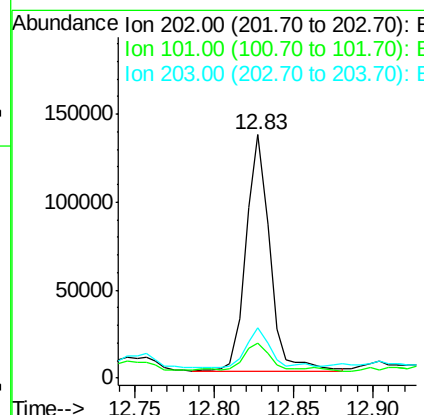
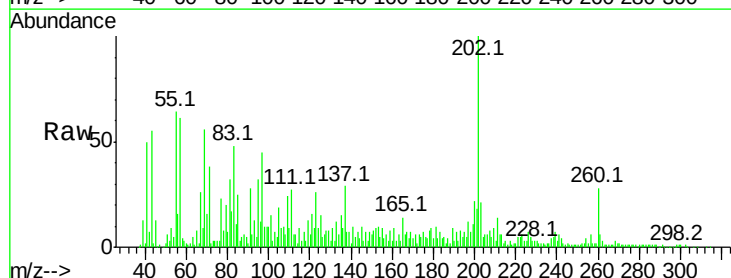
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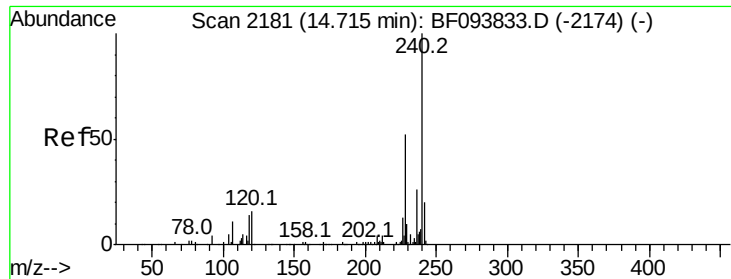
mohammad
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#74
 Fluoranthene
 Concen: 10.38 ng
 RT: 12.83 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.2
203	20.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.59 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Instrument :

BNA_F

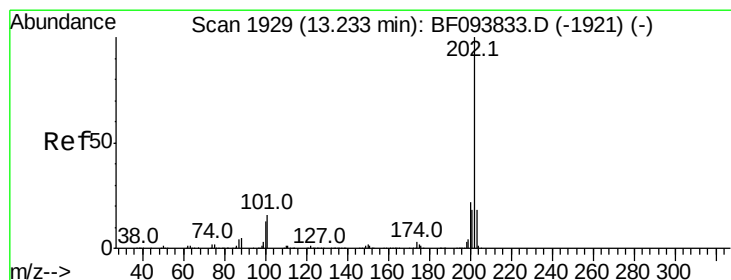
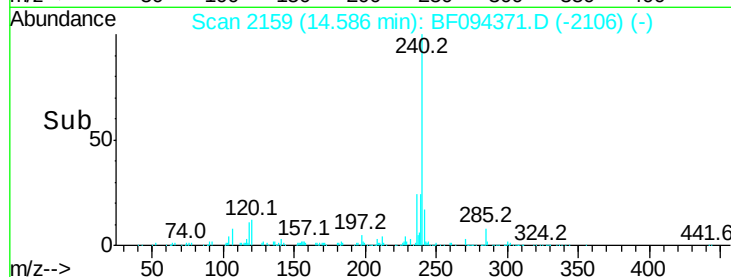
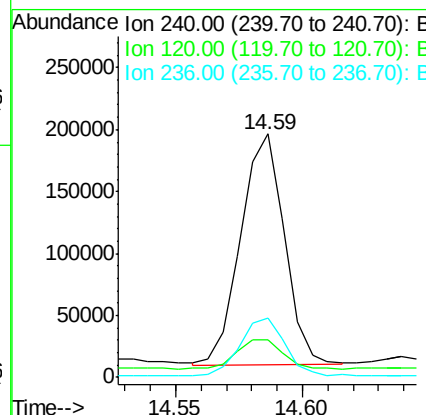
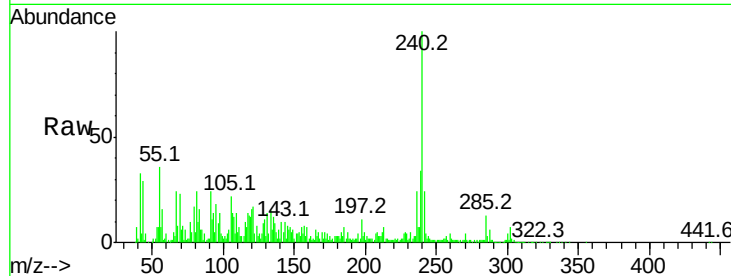
ClientSampleId :

E2-AA8-BASE-D

Tot Ion:	240	Resp:	223302
Ion Ratio	Lower	Upper	
240	100		
120	15.6	5.8	8.8#
236	24.3	20.5	30.7

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#77

Pyrene

Concen: 9.99 ng

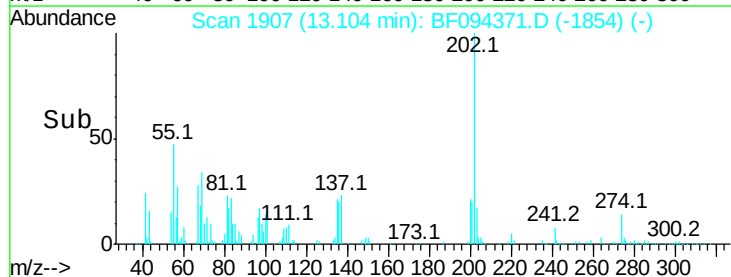
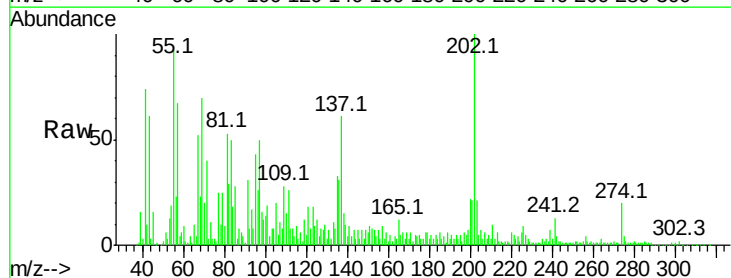
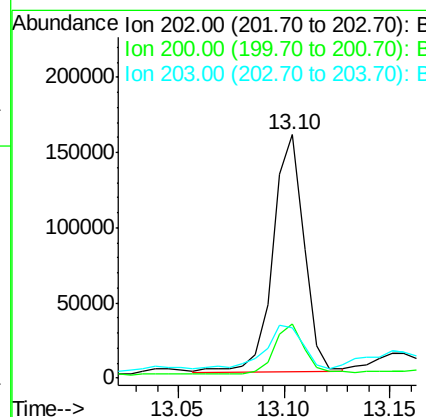
RT: 13.10 min Scan# 1907

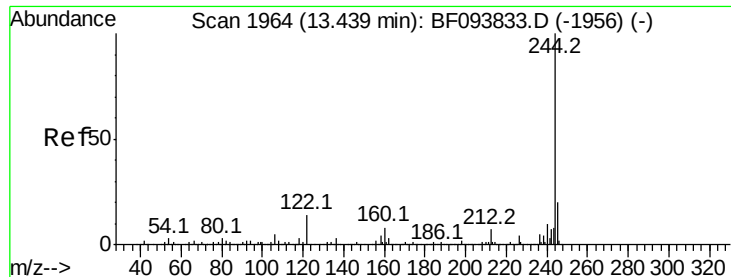
Delta R.T. 0.01 min

Lab File: BF094371.D

Acq: 12 Apr 2017 00:55

Tgt Ion:	202	Resp:	161965
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.6	26.4
203	20.6	14.4	21.6





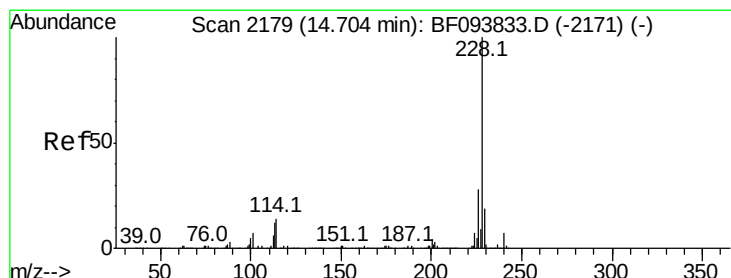
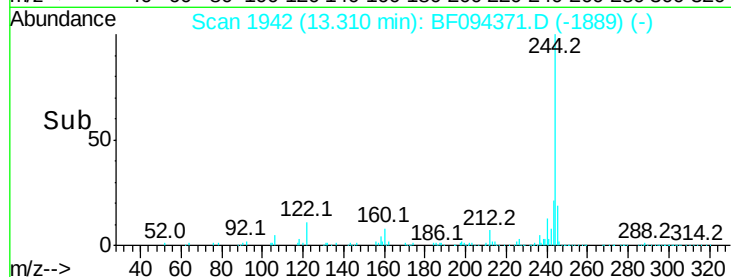
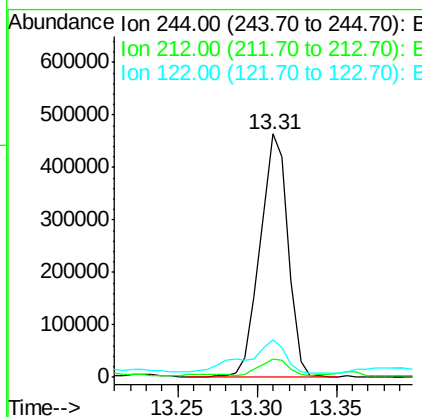
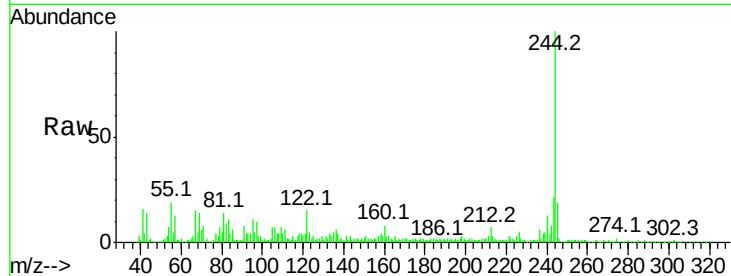
#78
 Terphenyl-d14
 Concen: 57.34 ng
 RT: 13.31 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	15.2	10.3	15.5

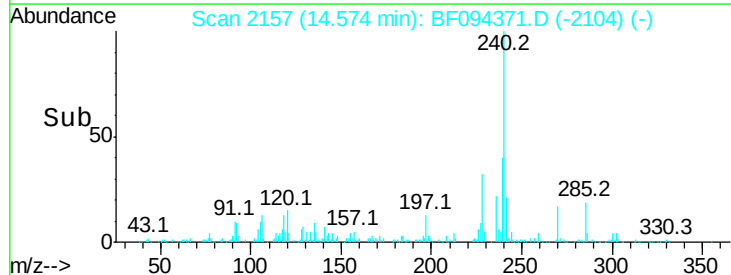
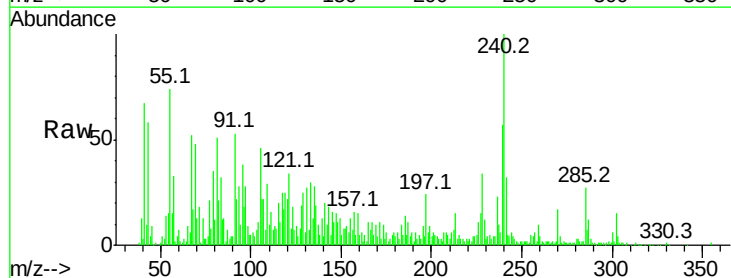
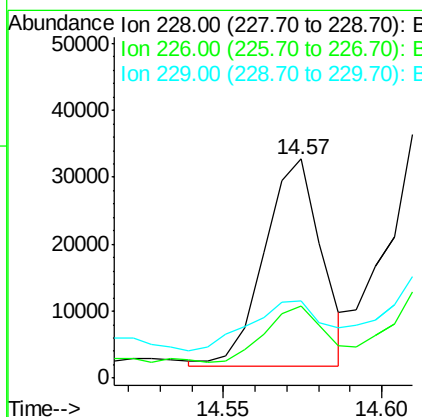
Manual Integrations
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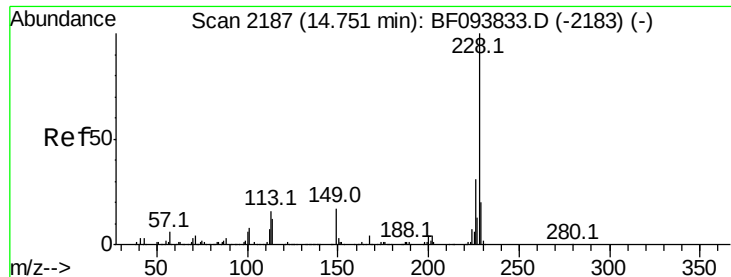
mohammad
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#80
 Benzo(a)anthracene
 Concen: 2.98 ng
 RT: 14.57 min Scan# 2157
 Delta R.T. 0.01 min
 Lab File: BF094371.D
 Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	35.2	16.3	24.5#





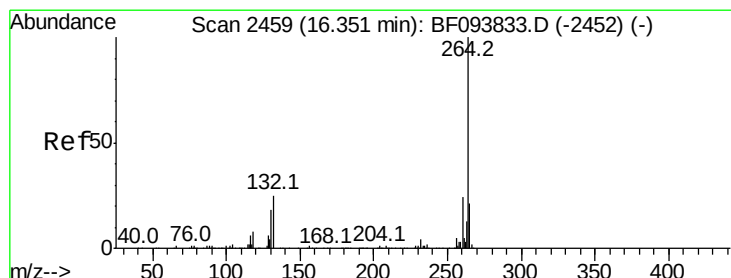
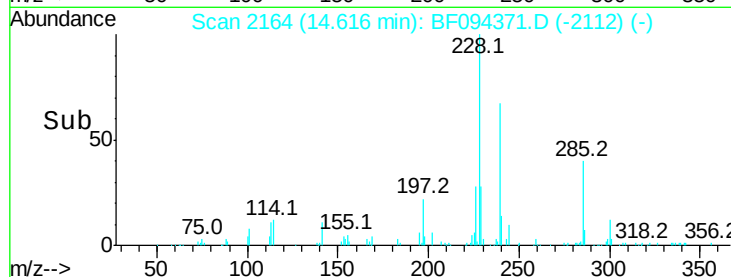
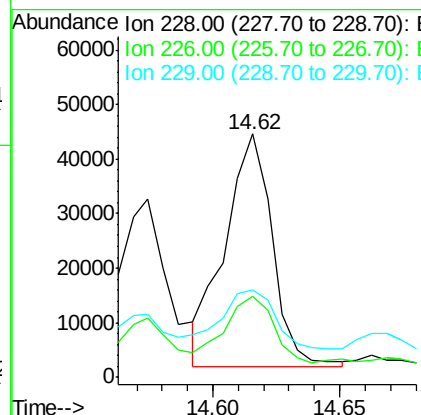
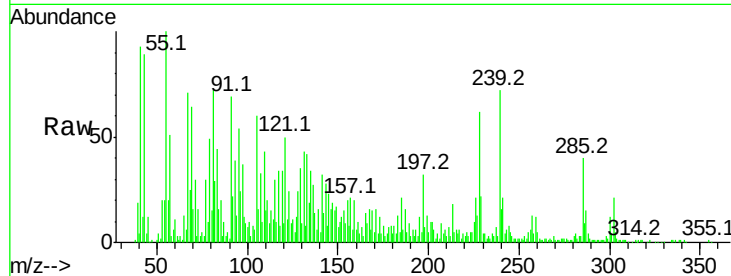
#82
Chrysene
Concen: 4.61 ng
RT: 14.62 min Scan# 2164
Delta R.T. 0.01 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	36.2	15.8	23.6

Manual Integrations
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.21 min Scan# 2435
Delta R.T. 0.02 min
Lab File: BF094371.D
Acq: 12 Apr 2017 00:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.3	17.2	25.8

