

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094363.D
 Acq On : 11 Apr 2017 21:14
 Operator : SJ/MA
 Sample : I2622-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE

Manual Integrations
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 4/12/2017 5:11:55 PM

Quant Time: Apr 12 02:20:40 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	5.83	152	136249	20.00	ng	-0.02
21) Naphthalene-d8	7.35	136	302039	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	109053	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	277210	20.00	ng	0.00
75) Chrysene-d12	14.58	240	271687	20.00	ng	0.00
86) Perylene-d12	16.20	264	227242	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	907732	112.53	ng	-0.01
7) Phenol-d6	5.47	99	1048540	105.07	ng	0.01
23) Nitrobenzene-d5	6.53	82	651528	123.10	ng	0.02
41) 2,4,6-Tribromophenol	10.47	330	142714	165.61	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	926677	129.61	ng	0.00
78) Terphenyl-d14	13.30	244	597069	49.26	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.50	94	2798129	246.40	ng	93
17) 2-Methylphenol	6.23	107	6535047m	860.59	ng	
20) 3+4-Methylphenols	6.39	107	8929614	970.93	ng	# 64
27) 2,4-Dimethylphenol	7.09	122	9165545m	2136.88	ng	
31) Naphthalene	7.42	128	1533361	105.58	ng	96
37) 2-Methylnaphthalene	8.26	142	3121058	322.38	ng	98
45) 1,1'-Biphenyl	8.80	154	271026	30.81	ng	98
49) Dimethylphthalate	9.17	163	175210	22.60	ng	# 90
51) Acenaphthene	9.53	154	136163	20.39	ng	92
54) Dibenzofuran	9.75	168	236809	26.05	ng	# 75
57) Fluorene	10.17	166	230013	30.51	ng	# 85
69) Pentachlorophenol	11.10	266	13393	7.80	ng	92
70) Phenanthrene	11.35	178	747512	48.48	ng	98
71) Anthracene	11.40	178	245469m	15.46	ng	
72) Carbazole	11.60	167	62617	3.85	ng	# 63
74) Fluoranthene	12.81	202	121410	7.69	ng	95
77) Pyrene	13.09	202	57759	2.93	ng	# 92
80) Benzo(a)anthracene	14.57	228	40394	2.55	ng	# 78
82) Chrysene	14.61	228	52784	3.59	ng	# 78

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

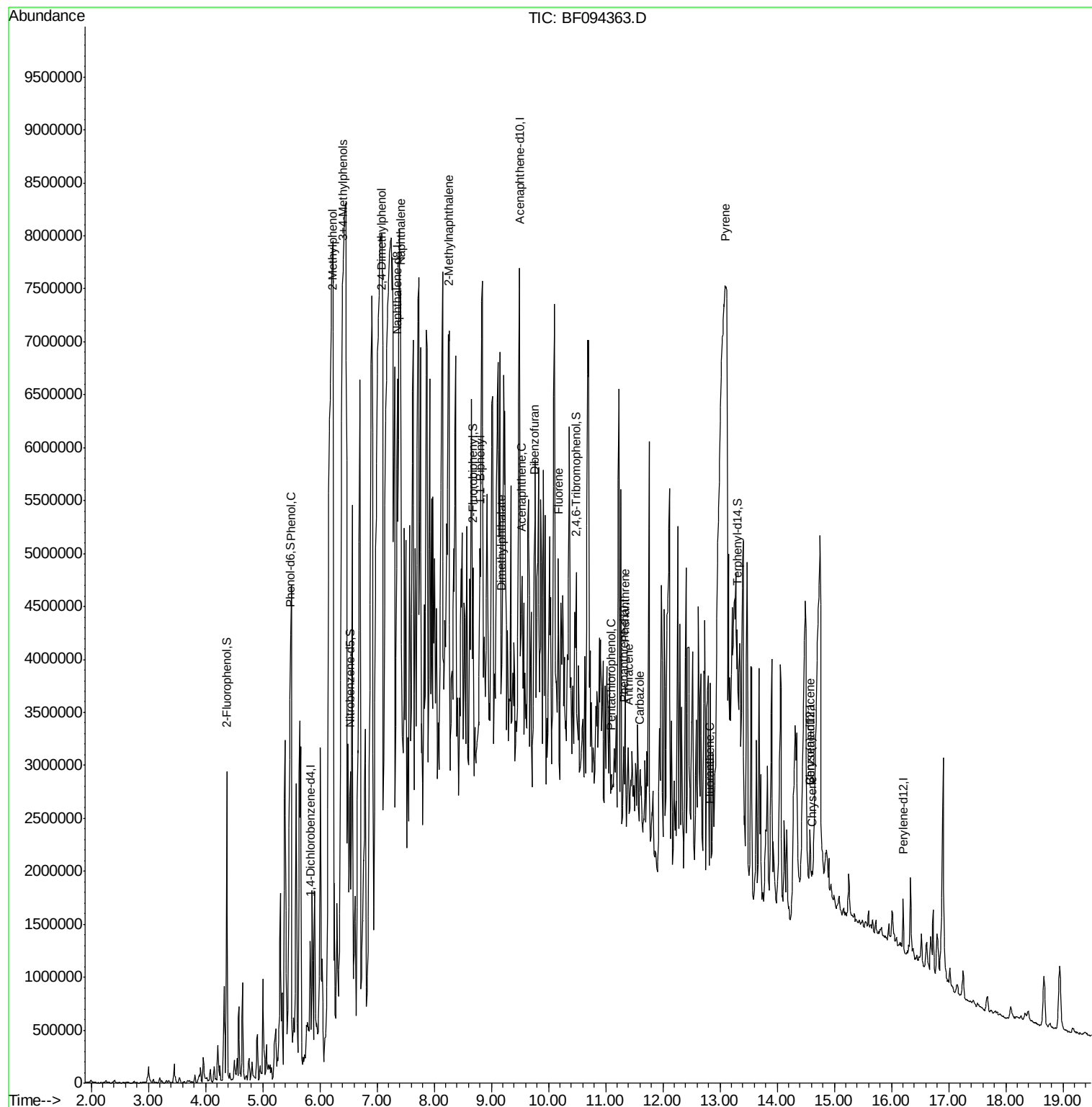
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094363.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

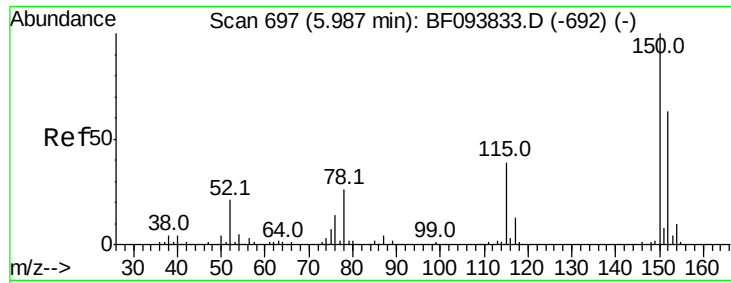
Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

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Quant Time: Apr 12 02:20:40 2017
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#1

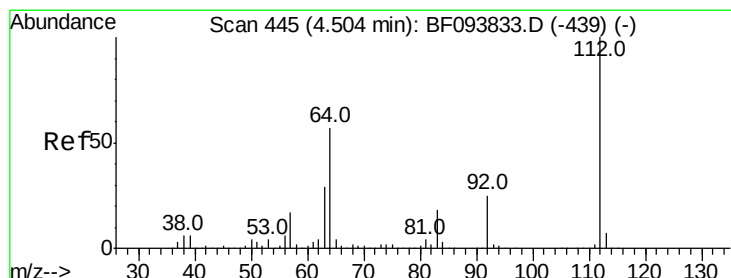
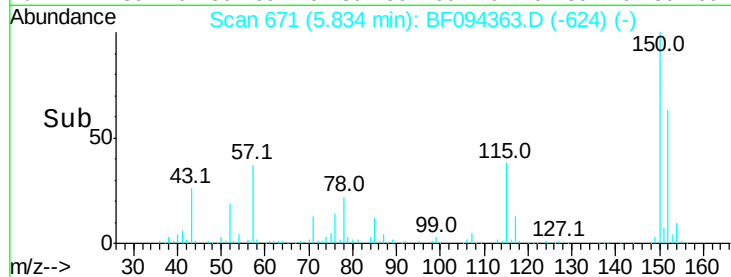
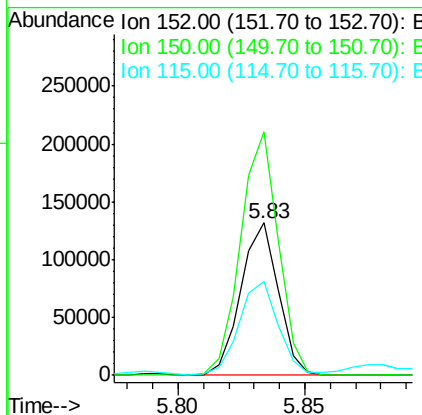
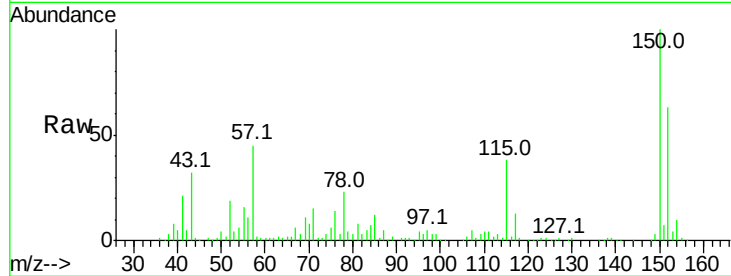
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	61.2	52.2	78.2

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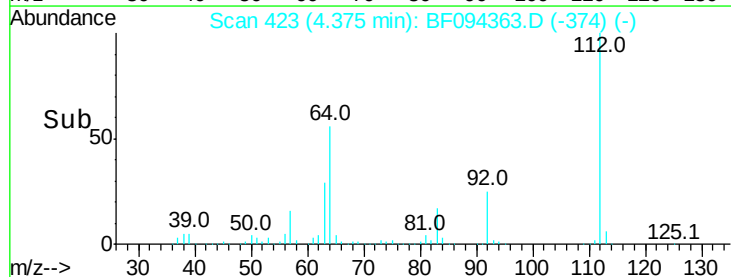
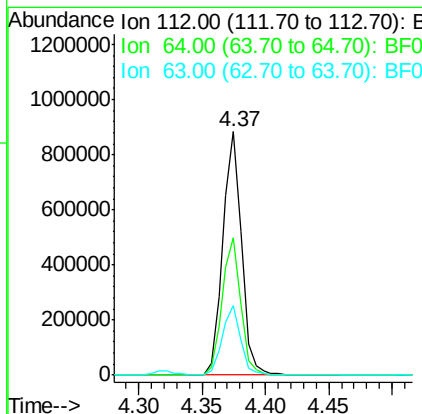
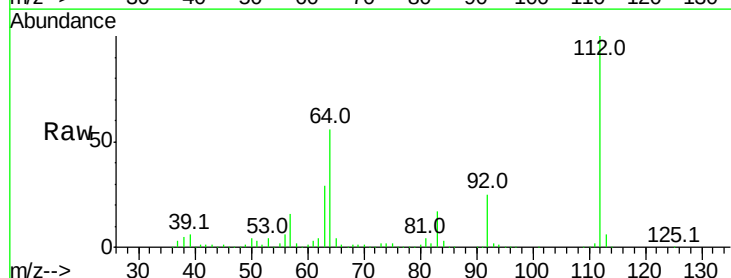
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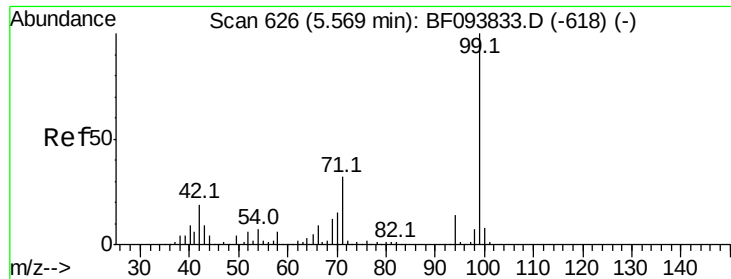


#5

2-Fluorophenol
Concen: 112.53 ng
RT: 4.37 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.0	69.0
63	28.6	23.4	35.0





#7

Phenol-d6

Concen: 105.07 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Instrument :

BNA_F

ClientSampleId :

E2-AA8-BASE

Tot Ion: 99 Resp: 1048540

Ion Ratio Lower Upper

99 100

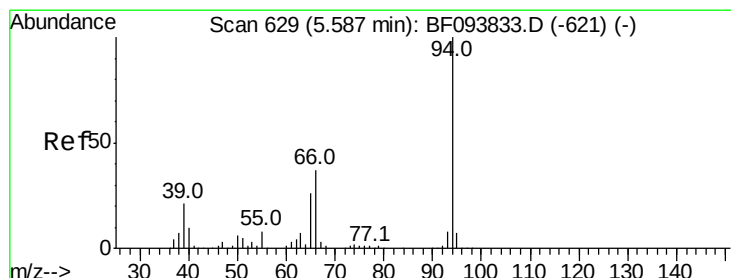
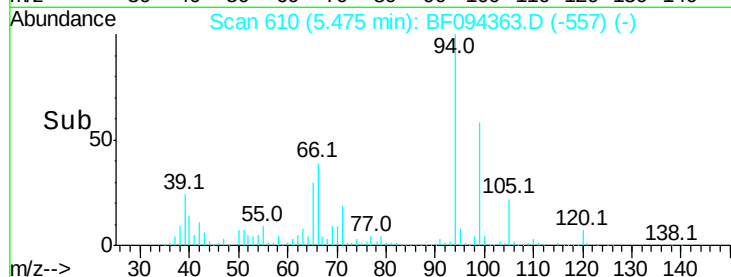
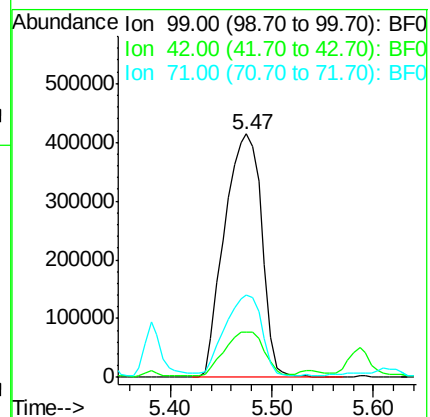
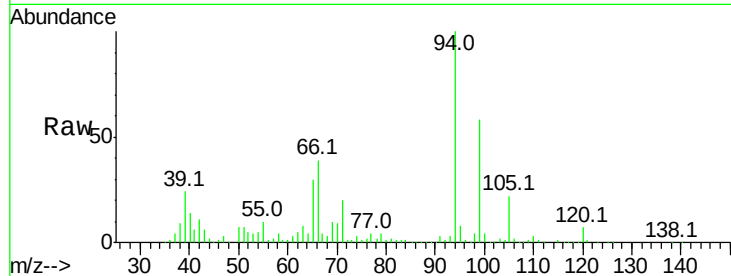
42 18.8 13.5 20.3

71 33.7 24.5 36.7

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#10

Phenol

Concen: 246.40 ng

RT: 5.50 min Scan# 614

Delta R.T. 0.02 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

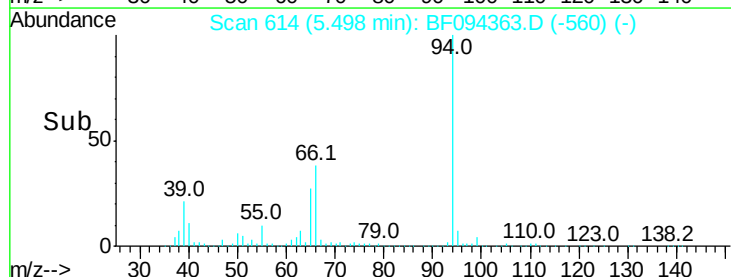
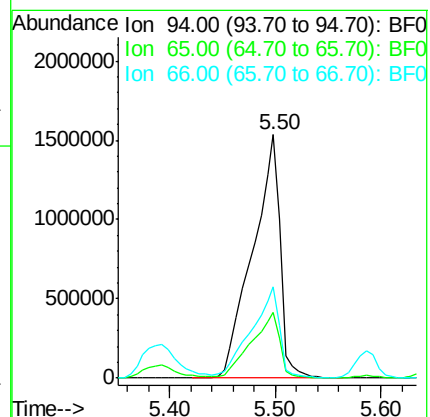
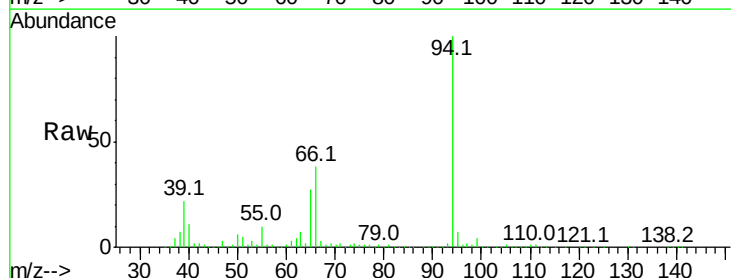
Tgt Ion: 94 Resp: 2798129

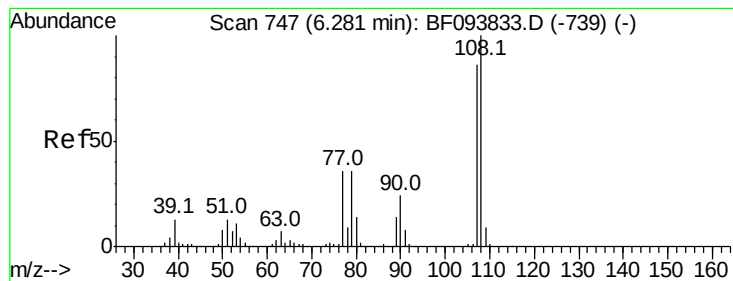
Ion Ratio Lower Upper

94 100

65 27.1 9.9 49.9

66 37.5 23.1 63.1





#17

2-Methylphenol

Concen: 860.59 ng/mL

RT: 6.23 min Scan# 738

Delta R.T. 0.06 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Instrument :

BNA_F

ClientSampleId :

E2-AA8-BASE

Tot Ion:107 Resp: 6535047

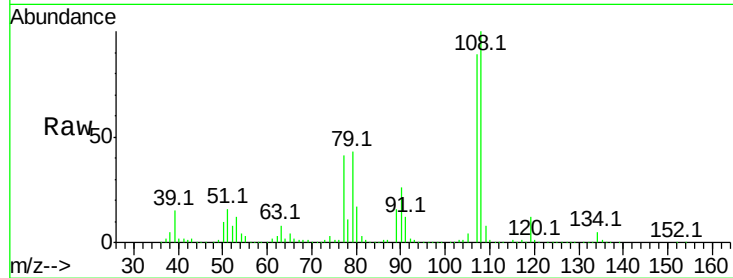
Ion	Ratio	Lower	Upper
107	100		
108	112.3	93.4	140.0
77	46.6	35.8	53.6
79	47.8	34.8	52.2

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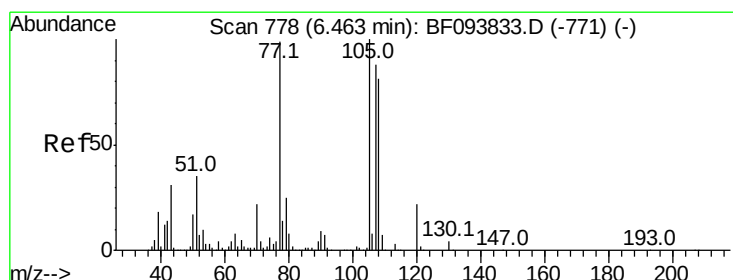
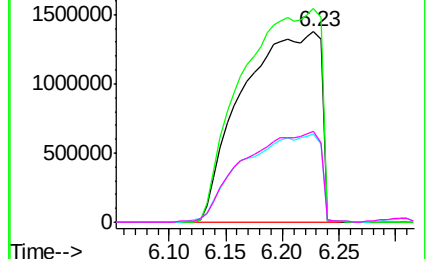
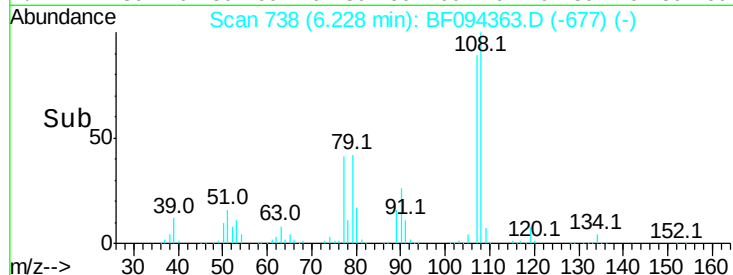


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20

3+4-Methylphenols

Concen: 970.93 ng/mL

RT: 6.39 min Scan# 766

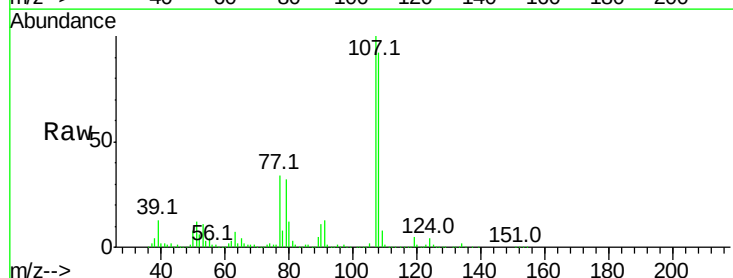
Delta R.T. 0.04 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Tgt Ion:107 Resp: 8929614

Ion	Ratio	Lower	Upper
107	100		
108	92.1	71.0	111.0
77	33.7	90.5	130.5#
79	31.6	8.4	48.4

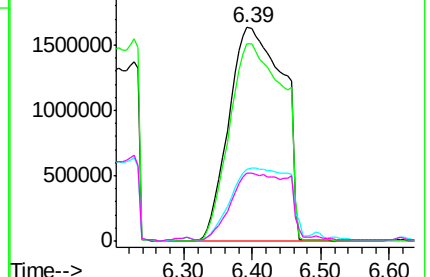
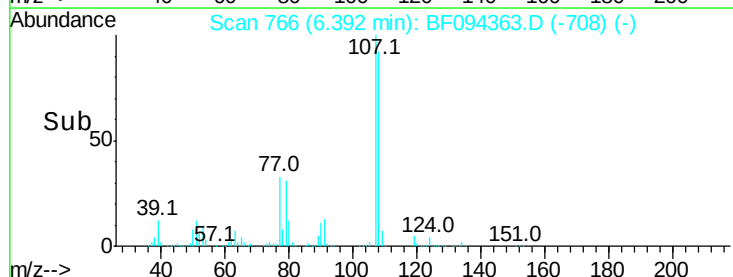


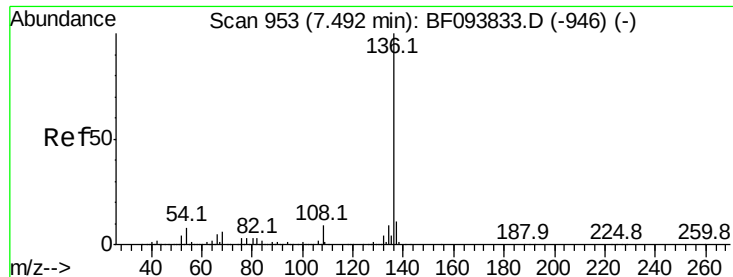
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





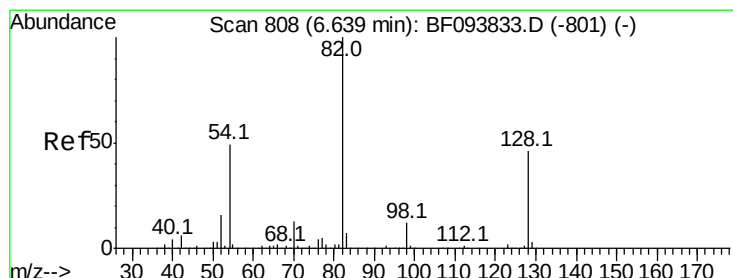
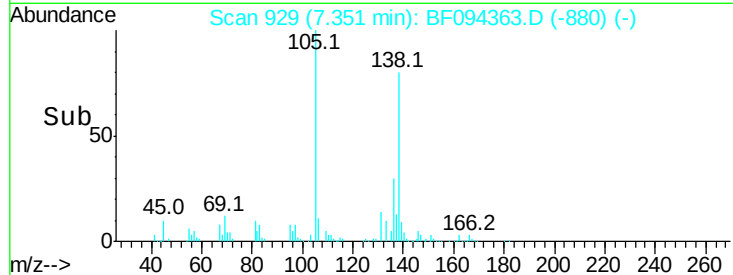
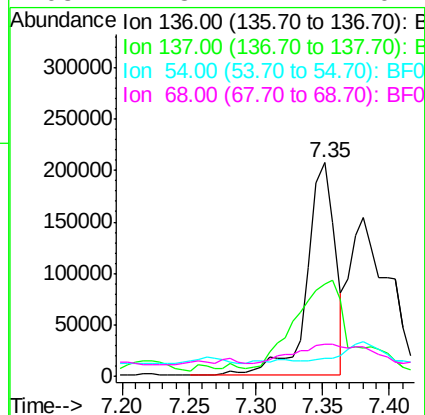
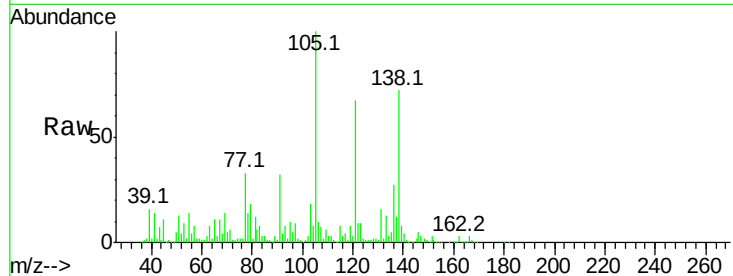
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.35 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	43.3	8.5	12.7#	
54	8.6	4.9	7.3#	
68	14.8	4.1	6.1#	

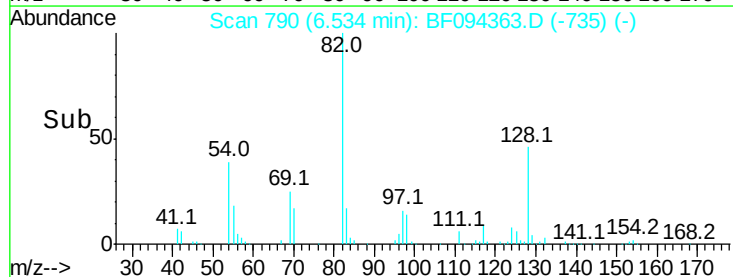
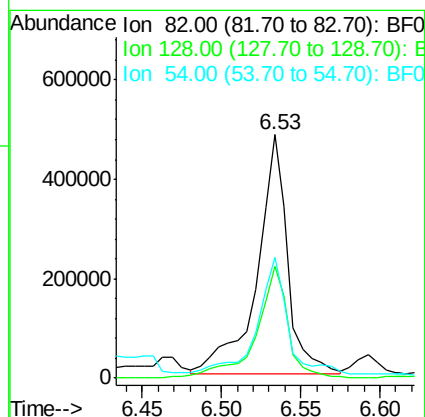
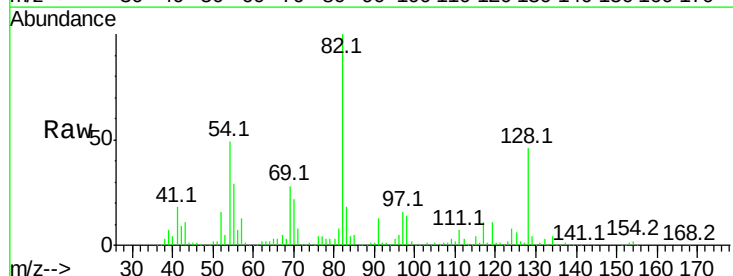
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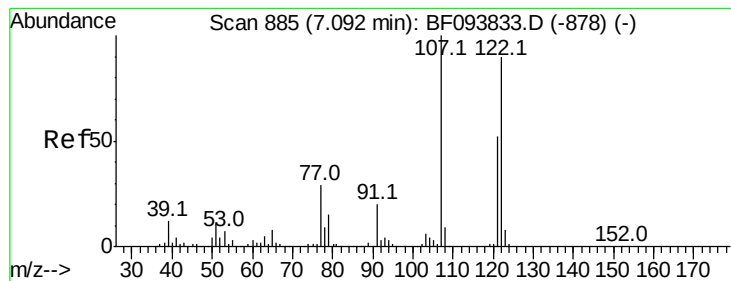
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#23
Nitrobenzene-d5
Concen: 123.10 ng
RT: 6.53 min Scan# 790
Delta R.T. 0.02 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	34.0	51.0	
54	49.5	42.2	63.2	





#27

2,4-Dimethylphenol

Concen: 2136.88 ng/mL

RT: 7.09 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Instrument :

BNA_F

ClientSampleId :

E2-AA8-BASE

Tot Ion:122 Resp: 9165545

Ion Ratio Lower Upper

122 100

107 116.4 89.2 133.8

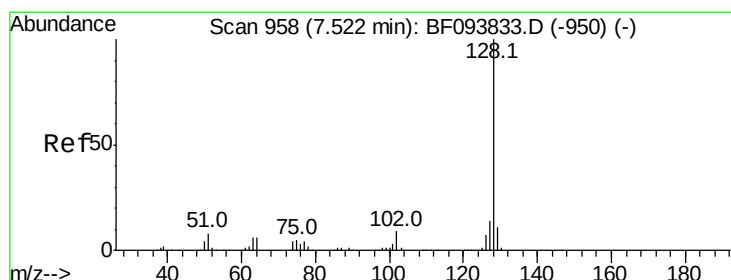
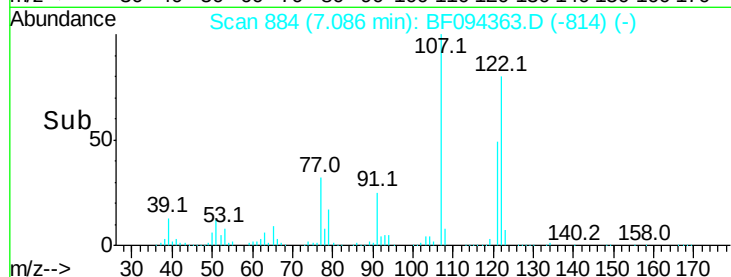
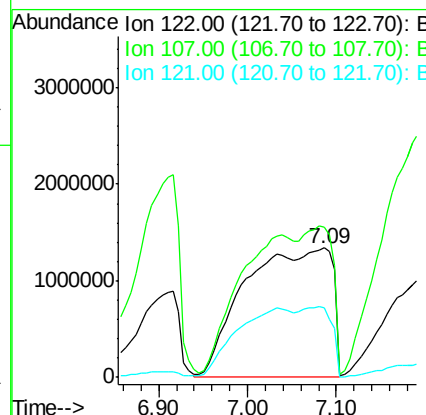
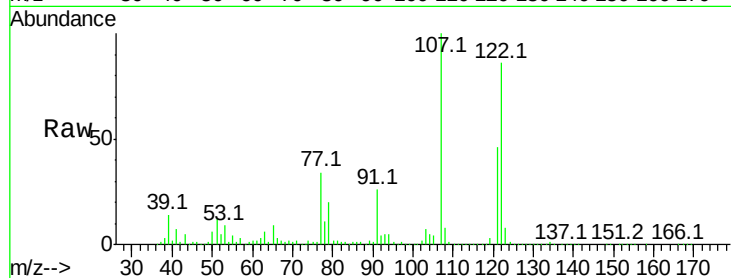
121 53.8 45.2 67.8

Manual Integrations

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#31

Naphthalene

Concen: 105.58 ng/mL

RT: 7.42 min Scan# 941

Delta R.T. 0.04 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

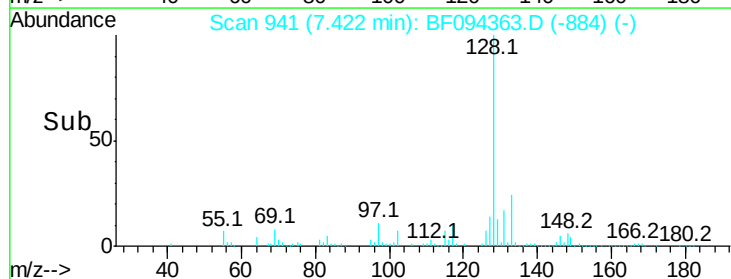
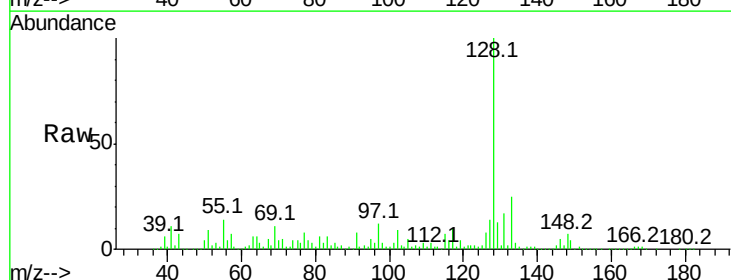
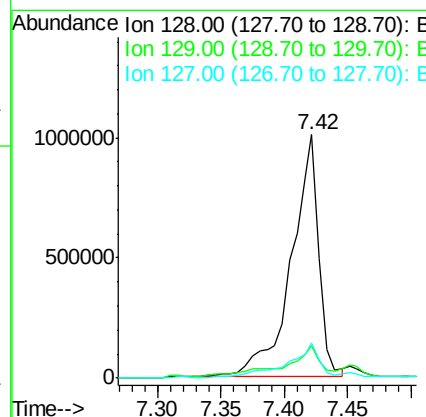
Tgt Ion:128 Resp: 1533361

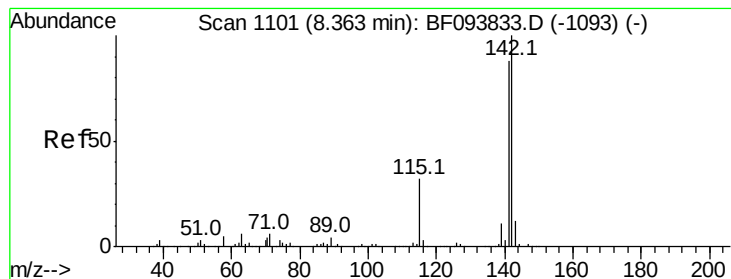
Ion Ratio Lower Upper

128 100

129 13.4 9.0 13.6

127 14.2 10.8 16.2





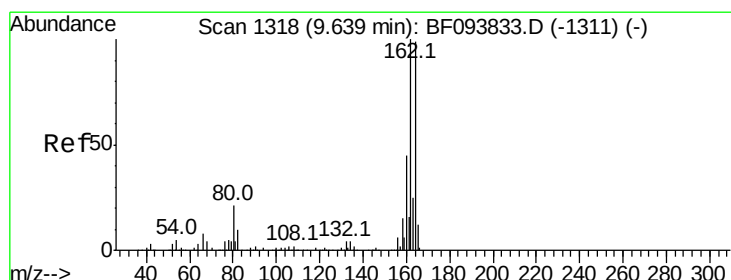
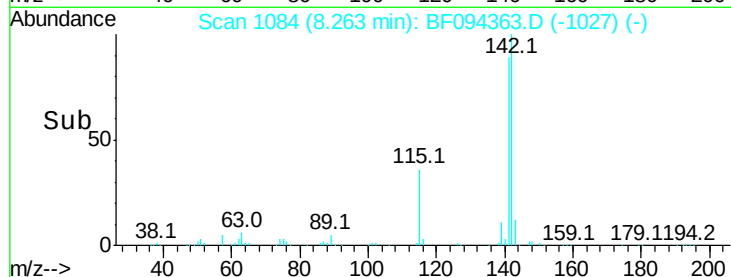
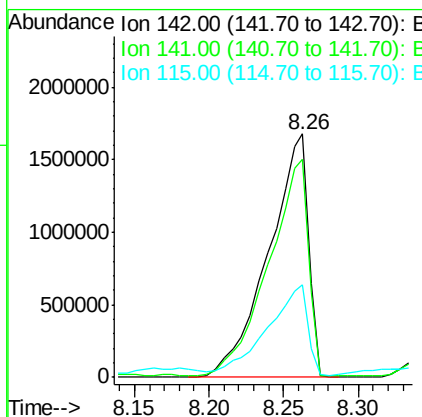
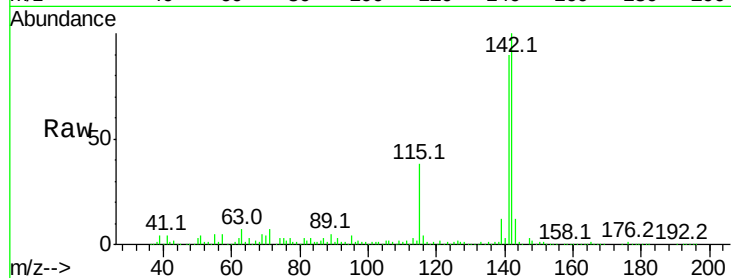
#37
 2-Methylnaphthalene
 Concen: 322.38 ng
 RT: 8.26 min Scan# 1084
 Delta R.T. 0.04 min
 Lab File: BF094363.D
 Acq: 11 Apr 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE

Tot Ion:142 Resp: 3121058
 Ion Ratio Lower Upper
 142 100
 141 89.8 71.3 106.9
 115 37.8 27.1 40.7

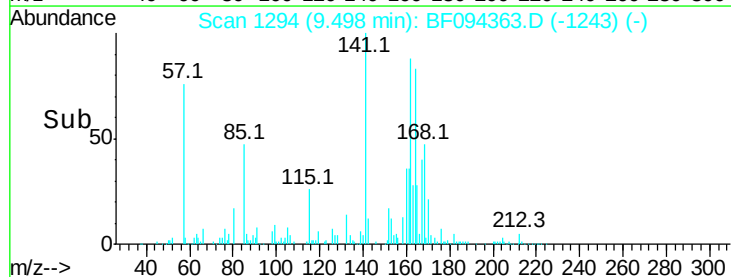
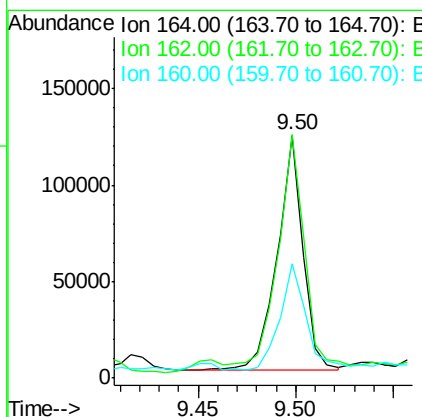
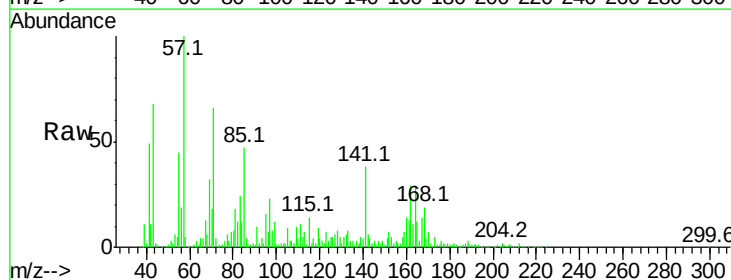
Manual Integrations
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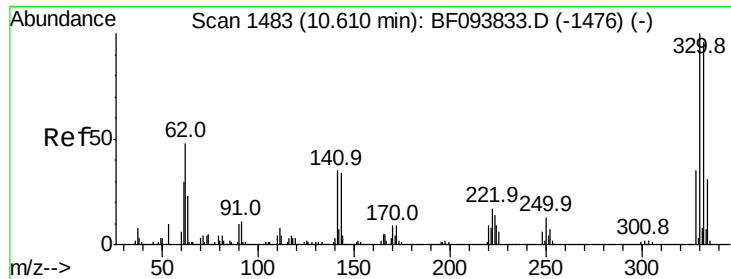
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: BF094363.D
 Acq: 11 Apr 2017 21:14

Tgt Ion:164 Resp: 109053
 Ion Ratio Lower Upper
 164 100
 162 100.4 82.6 123.8
 160 47.4 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 165.61 ng

RT: 10.47 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Instrument :

BNA_F

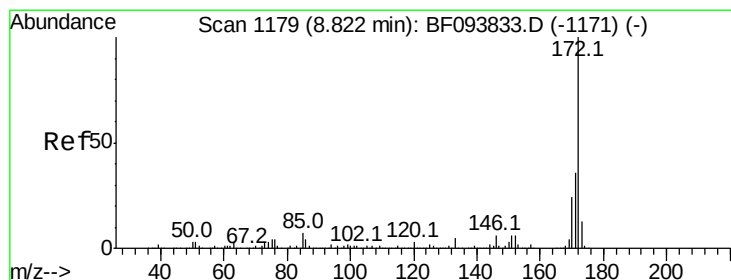
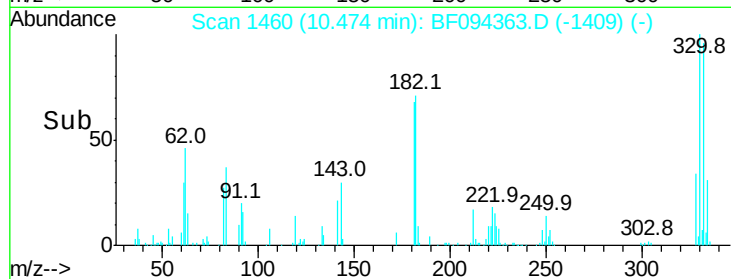
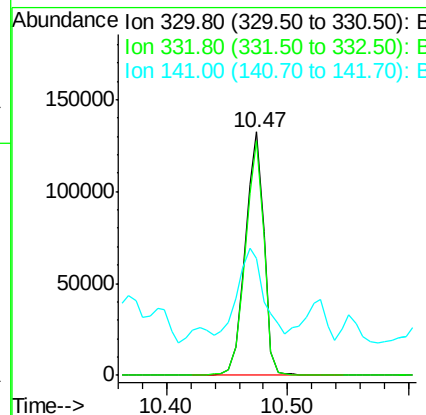
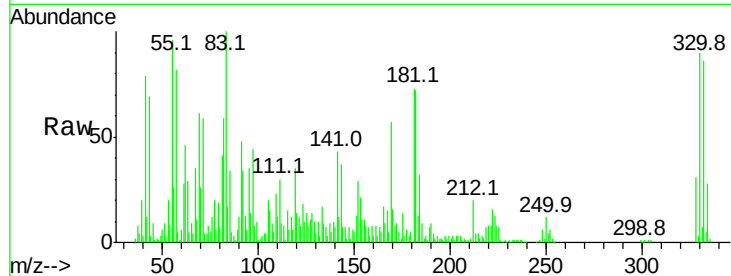
ClientSampleId :

E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	47.8	31.4	47.2

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 129.61 ng

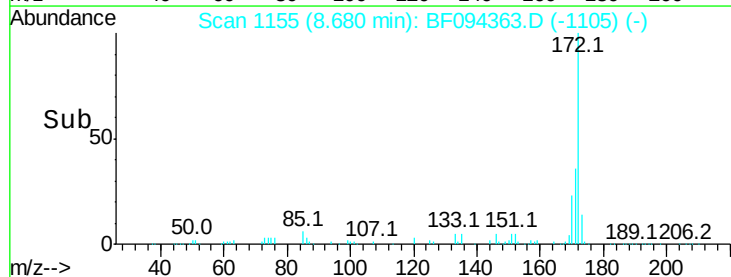
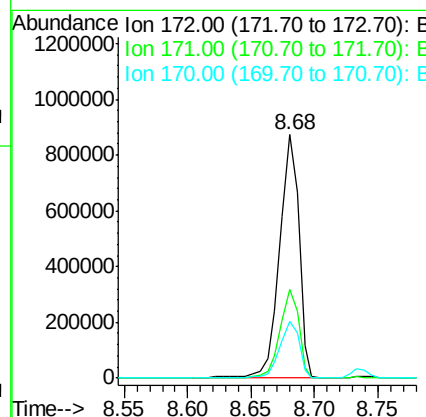
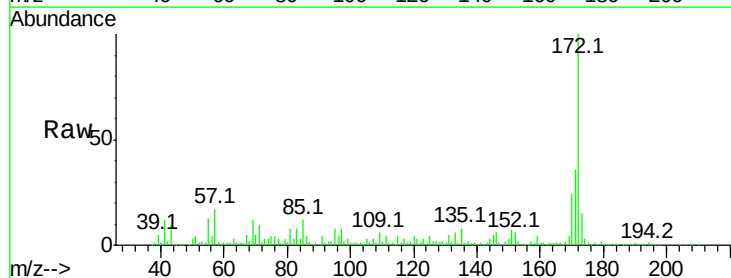
RT: 8.68 min Scan# 1155

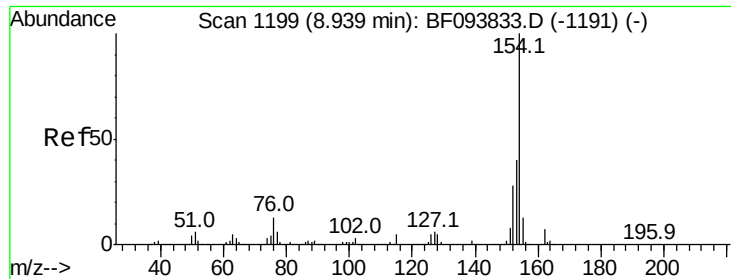
Delta R.T. -0.01 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.5	19.8	29.8





#45

1,1'-Biphenyl

Concen: 30.81 ng

RT: 8.80 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Instrument :

BNA_F

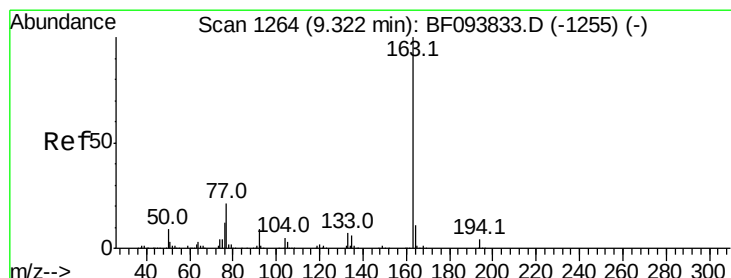
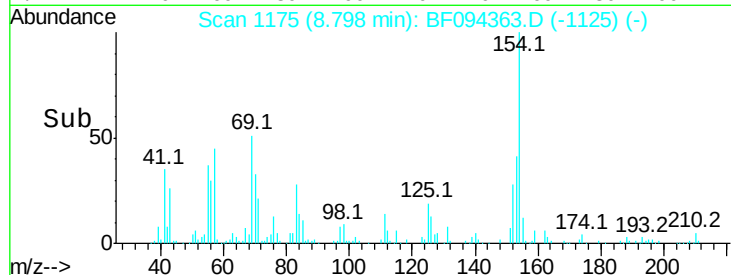
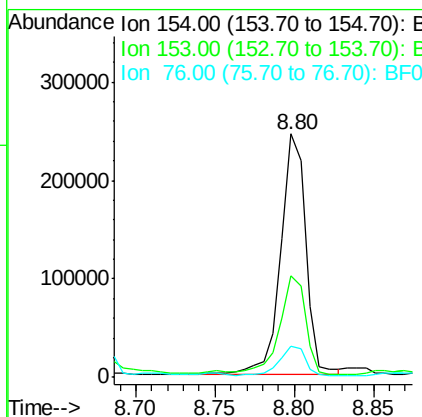
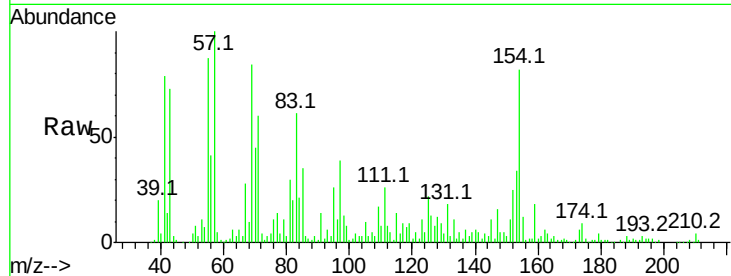
ClientSampleId :

E2-AA8-BASE

Tot Ion:	154	Resp:	271026
Ion Ratio	Lower	Upper	
154	100		
153	41.7	21.2	61.2
76	13.0	0.0	29.9

Manual Integrations
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mohammad
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#49

Dimethylphthalate

Concen: 22.60 ng

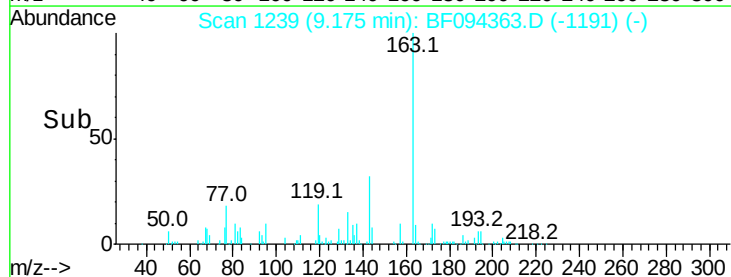
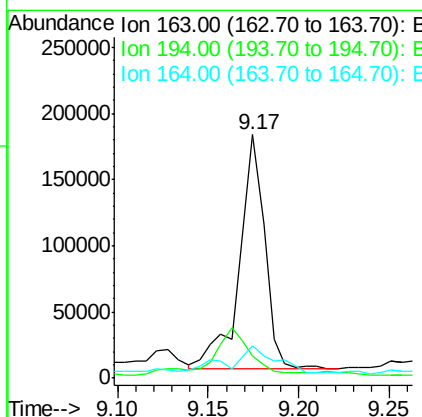
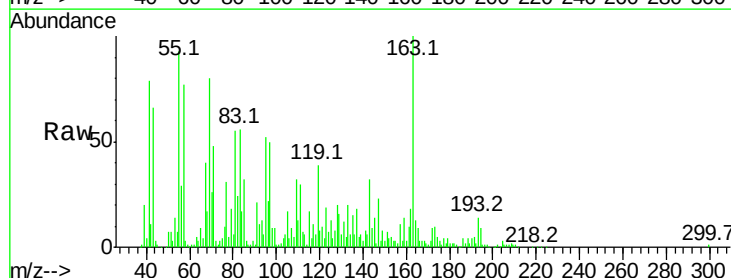
RT: 9.17 min Scan# 1239

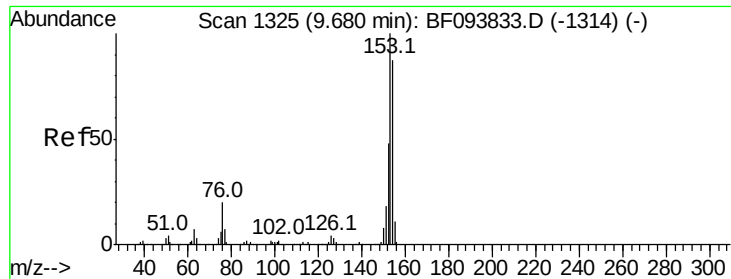
Delta R.T. -0.02 min

Lab File: BF094363.D

Acq: 11 Apr 2017 21:14

Tgt Ion:	163	Resp:	175210
Ion Ratio	Lower	Upper	
163	100		
194	9.0	2.6	4.0#
164	13.2	8.4	12.6#





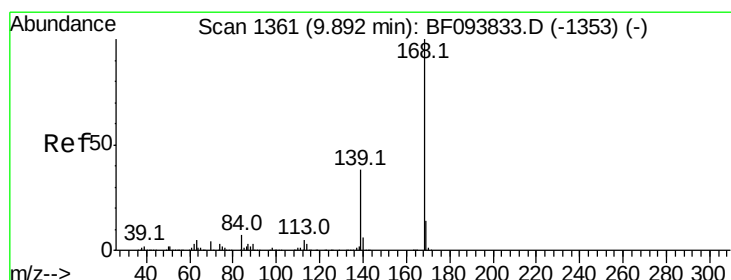
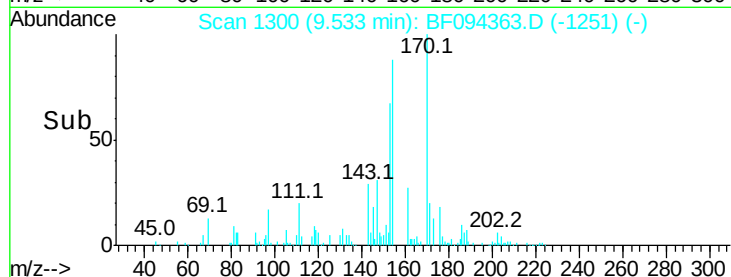
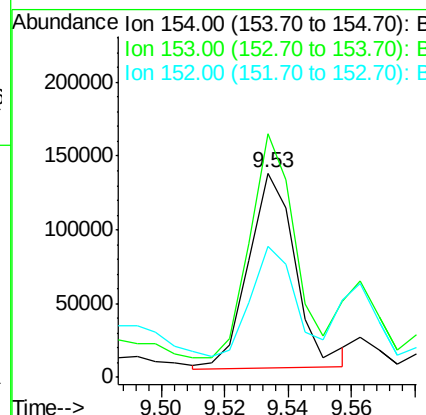
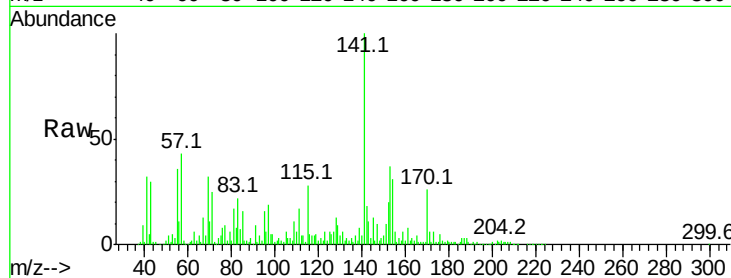
#51
Acenaphthene
Concen: 20.39 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.3	90.5	135.7
152	64.1	43.6	65.4

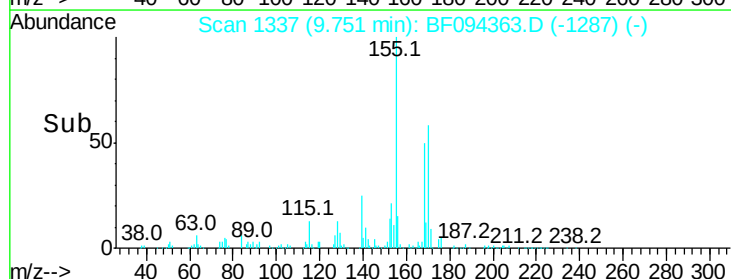
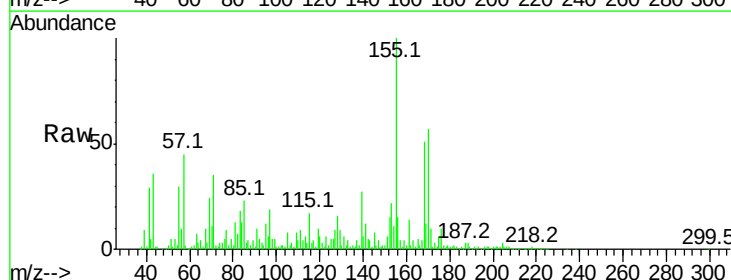
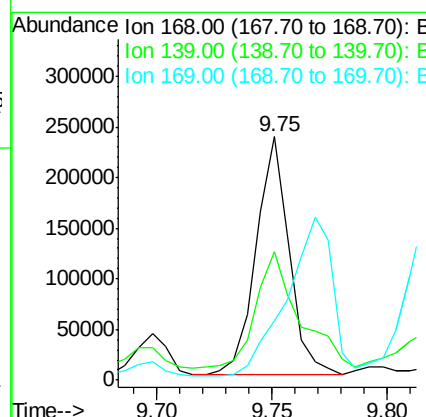
Manual Integrations
APPROVED

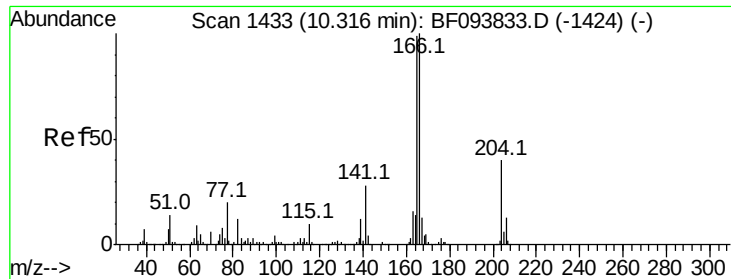
mohammad
4/12/2017 5:11:55 PM



#54
Dibenzofuran
Concen: 26.05 ng
RT: 9.75 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
168	100		
139	52.9	30.6	45.8#
169	24.5	10.8	16.2#





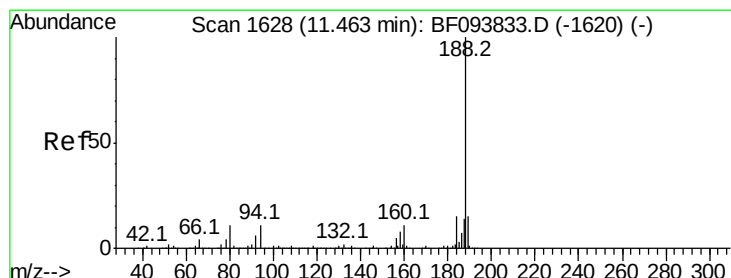
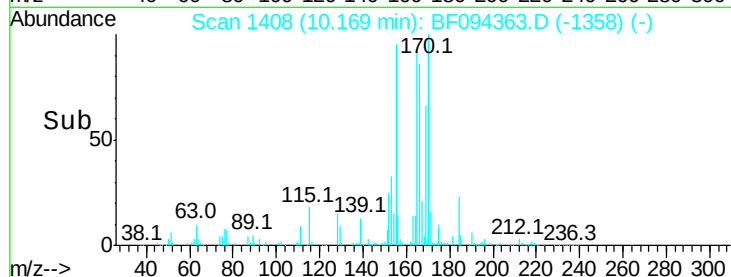
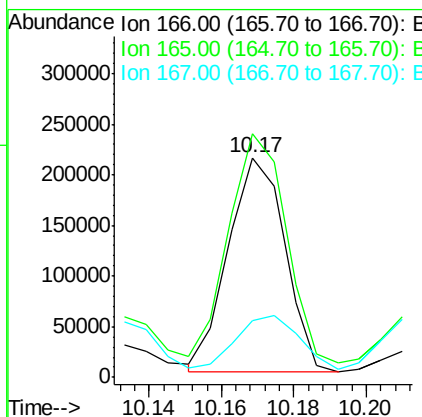
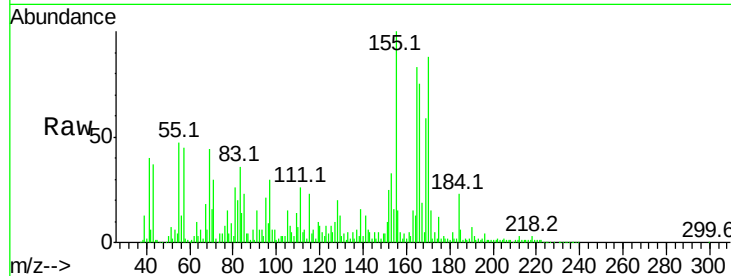
#57
Fluorene
Concen: 30.51 ng
RT: 10.17 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.0	78.8	118.2
167	25.6	10.6	16.0

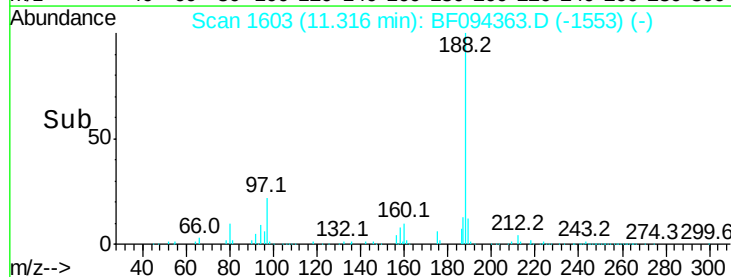
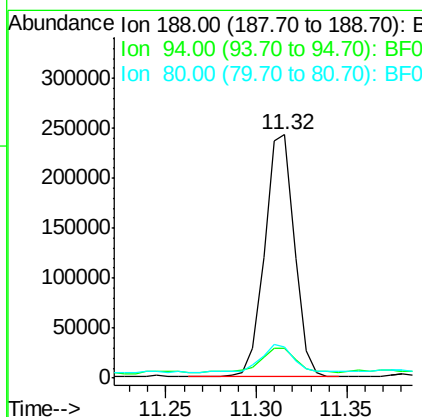
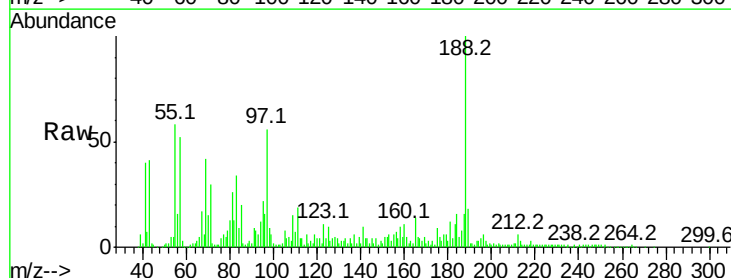
Manual Integrations
APPROVED

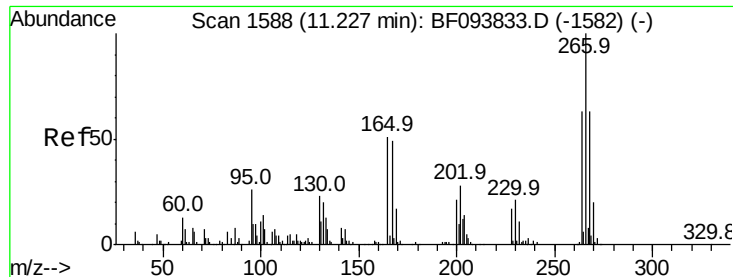
mohammad
4/12/2017 5:11:55 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	13.0	10.2	15.2





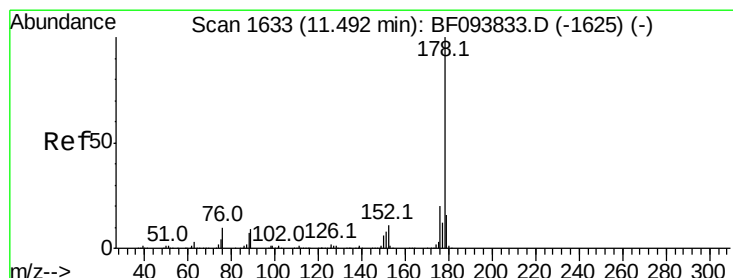
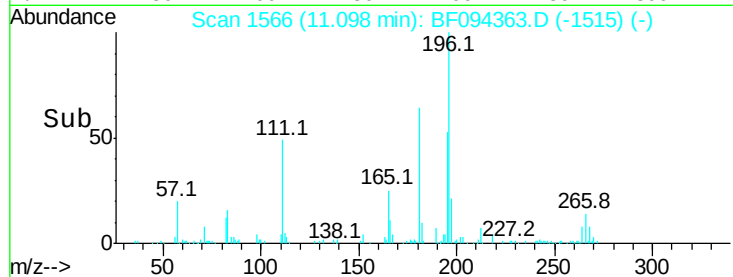
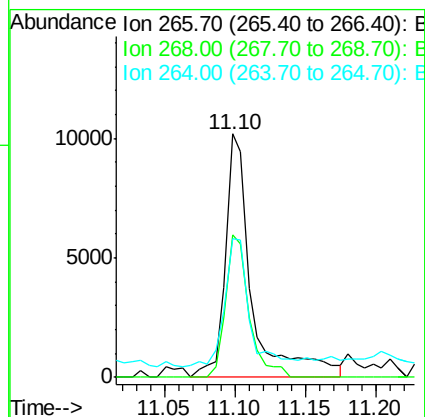
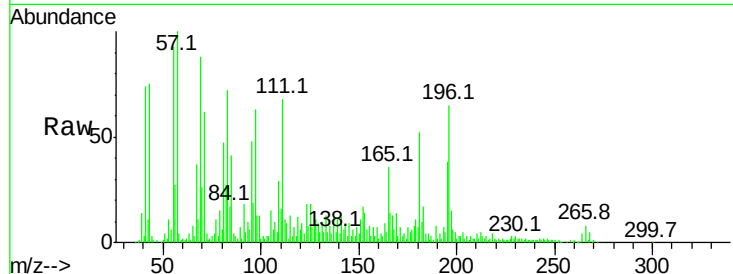
#69
 Pentachlorophenol
 Concen: 7.80 ng
 RT: 11.10 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: BF094363.D
 Acq: 11 Apr 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
266	100	13393		
268	58.8		51.1	76.7
264	56.9		51.7	77.5

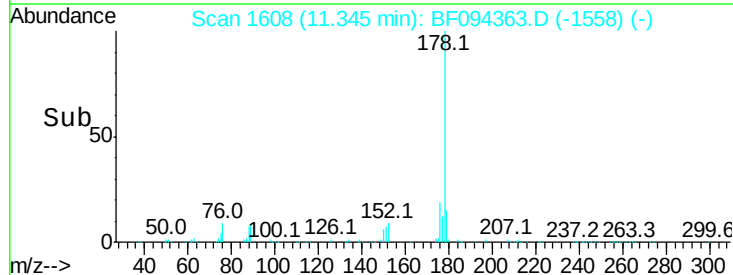
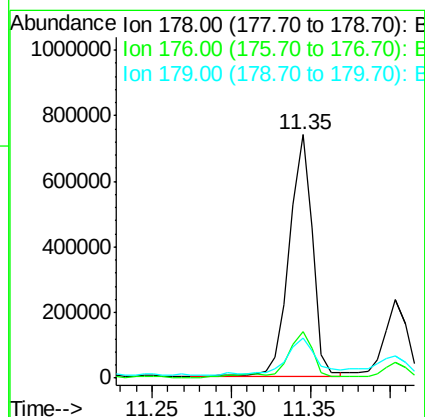
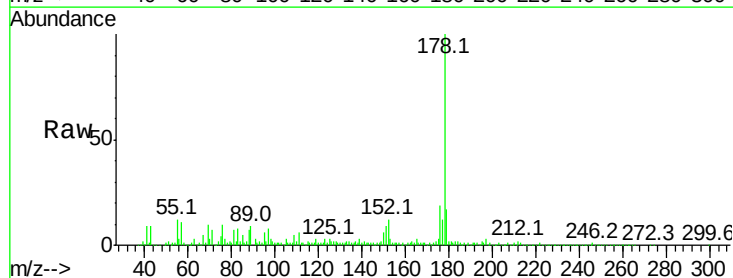
Manual Integrations
 APPROVED

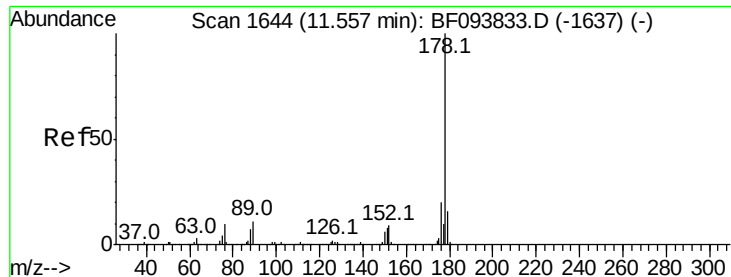
mohammad
 4/12/2017 5:11:55 PM



#70
 Phenanthrene
 Concen: 48.48 ng
 RT: 11.35 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF094363.D
 Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	747512		
176	19.4		16.2	24.4
179	16.6		12.6	19.0





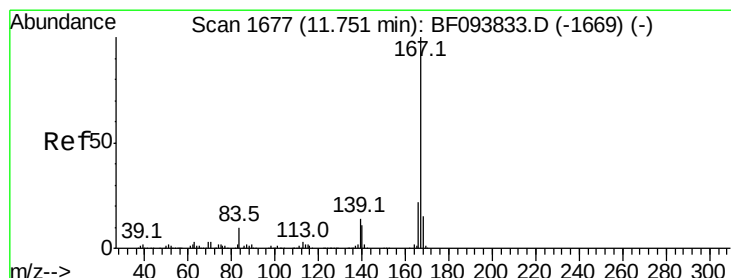
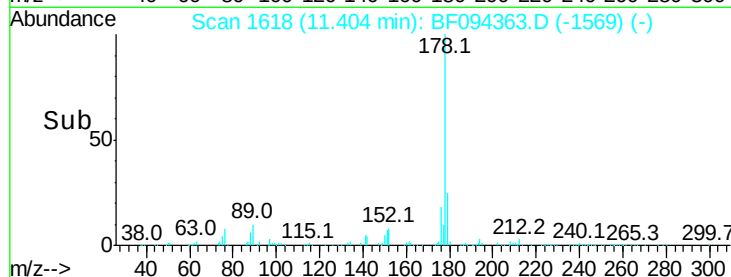
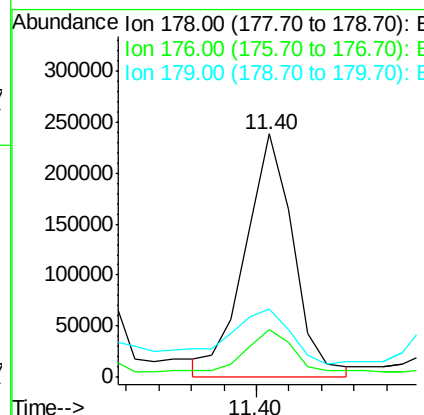
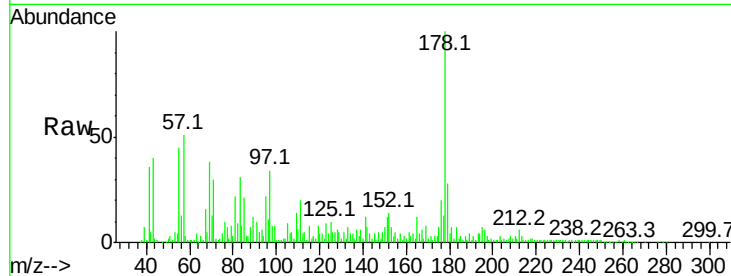
#71
 Anthracene
 Concen: 15.46 ng/mL
 RT: 11.40 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF094363.D
 Acq: 11 Apr 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	28.1	12.7	19.1

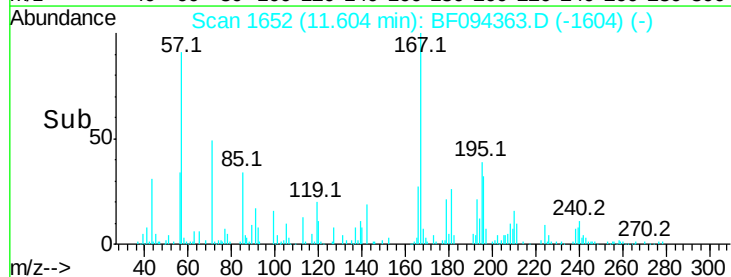
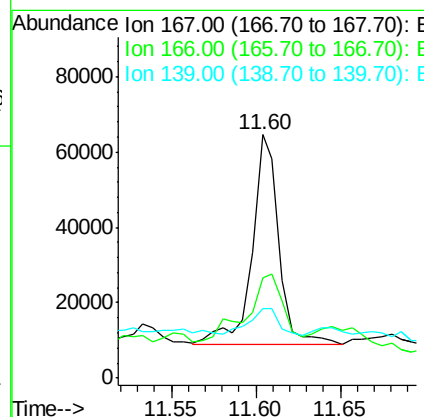
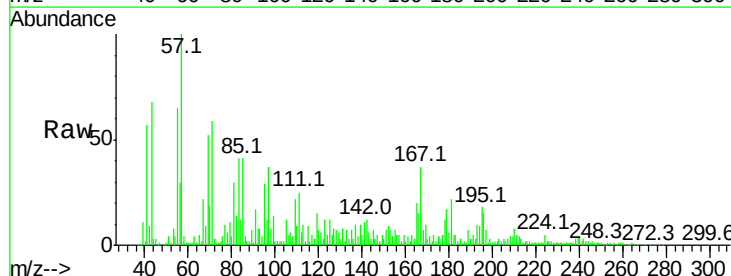
Manual Integrations
 APPROVED

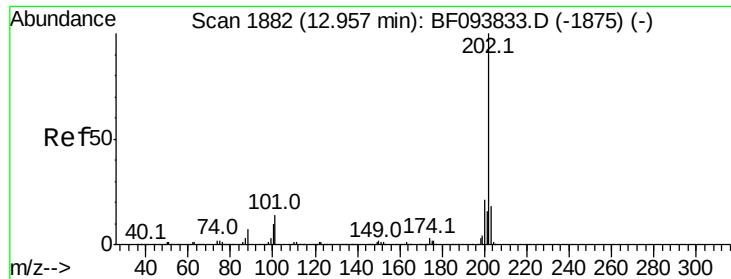
mohammad
 4/12/2017 5:11:55 PM



#72
 Carbazole
 Concen: 3.85 ng/mL
 RT: 11.60 min Scan# 1652
 Delta R.T. -0.02 min
 Lab File: BF094363.D
 Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	41.0	18.1	27.1
139	28.6	11.7	17.5





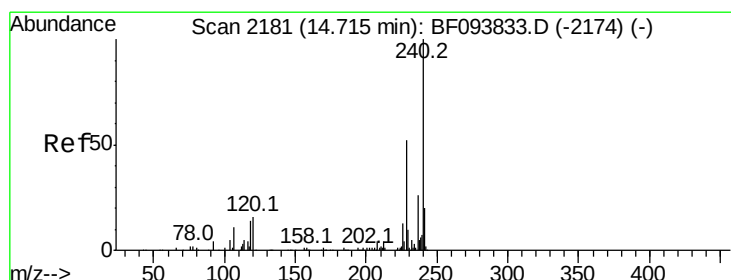
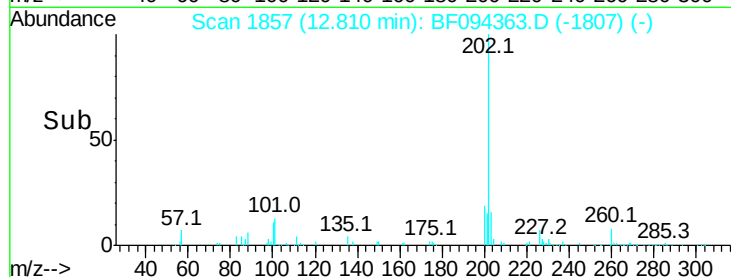
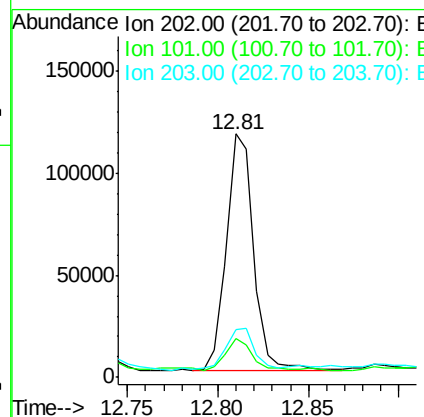
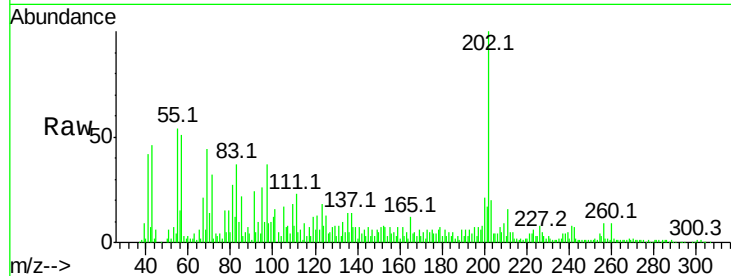
#74
Fluoranthene
Concen: 7.69 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.8	0.0	33.2	
203	19.7	0.0	38.1	

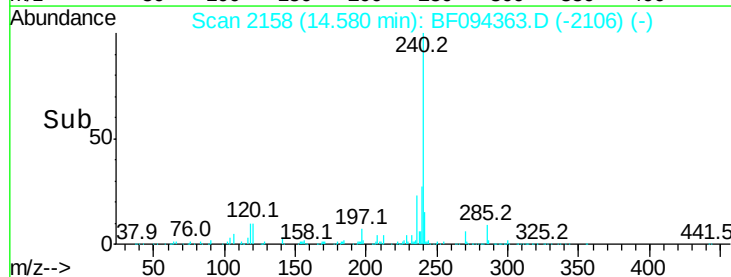
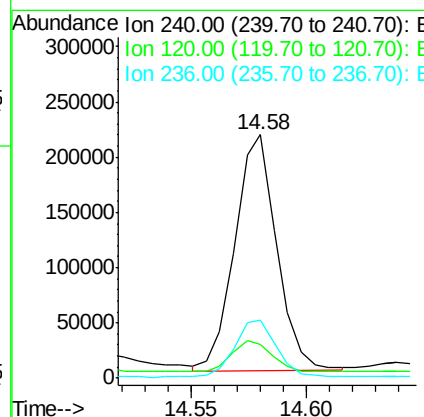
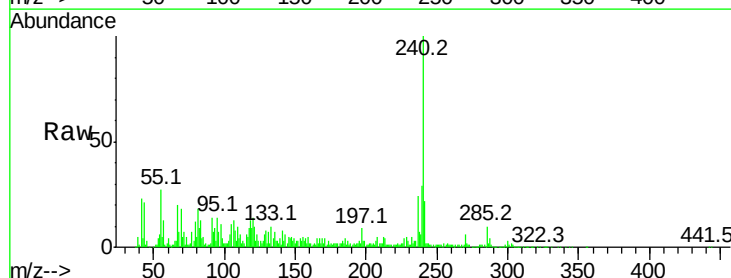
Manual Integrations
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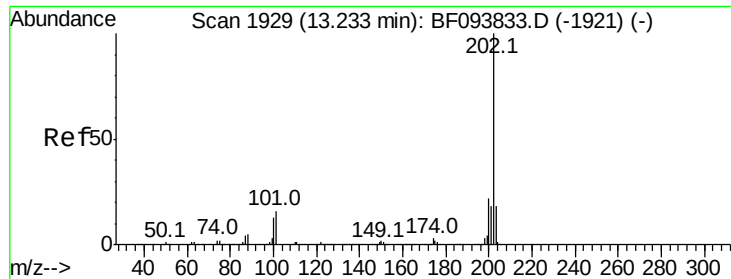
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.58 min Scan# 2158
Delta R.T. 0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.6	5.8	8.8#	
236	23.9	20.5	30.7	





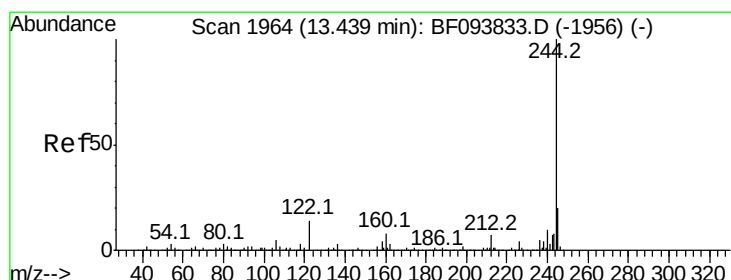
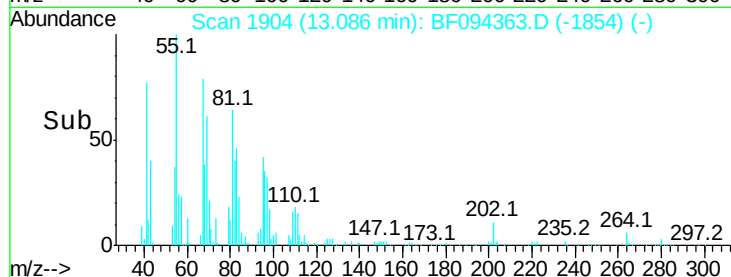
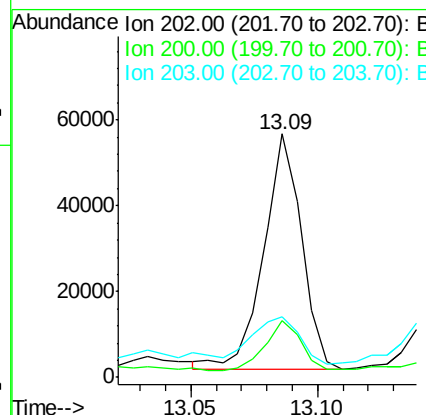
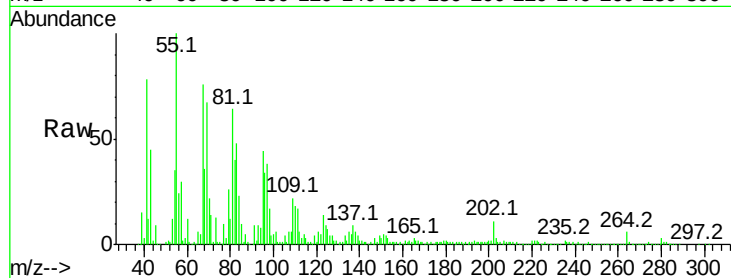
#77
Pvrene
Concen: 2.93 ng
RT: 13.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.6	26.4
203	24.6	14.4	21.6

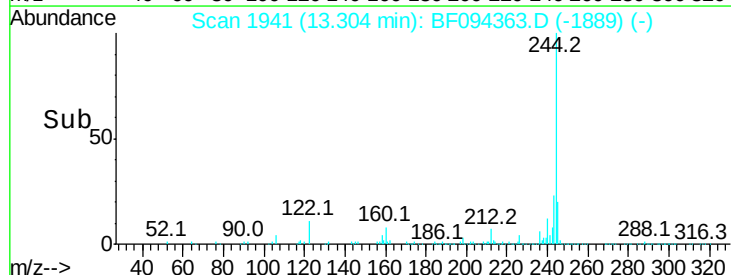
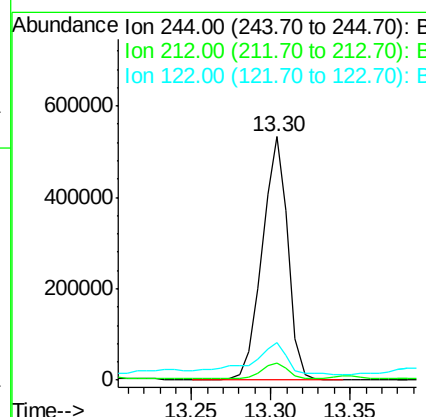
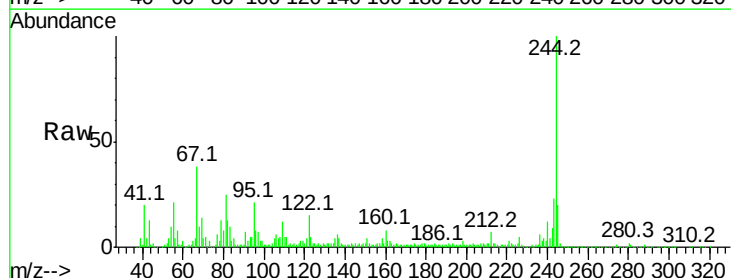
Manual Integrations
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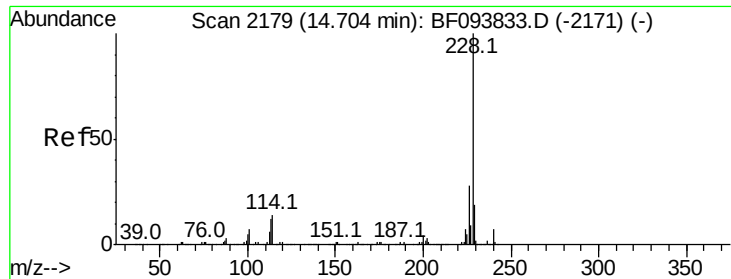
mohammad
4/12/2017 5:11:55 PM



#78
Terphenyl-d14
Concen: 49.26 ng
RT: 13.30 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.3	10.3	15.5





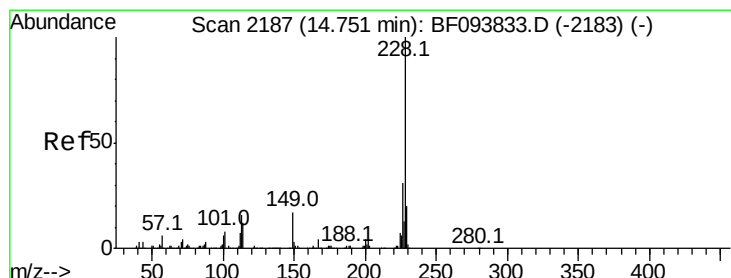
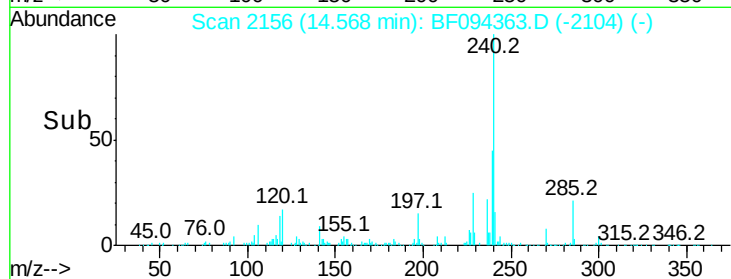
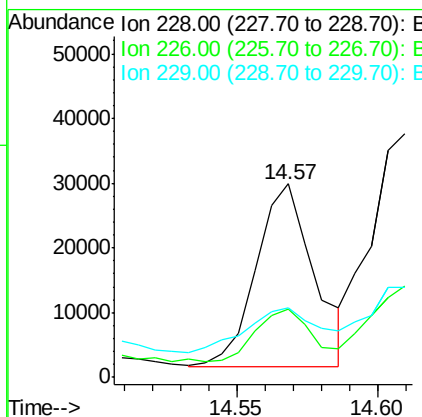
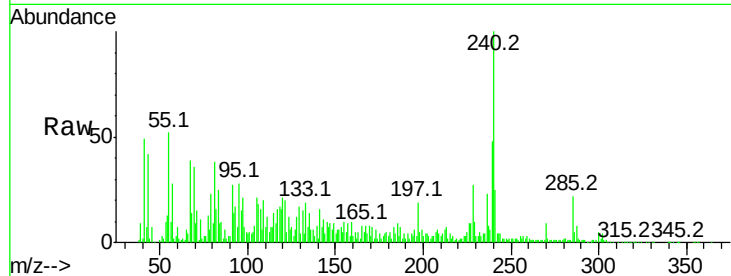
#80
Benzo(a)anthracene
Concen: 2.55 ng
RT: 14.57 min Scan# 2156
Delta R.T. 0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	35.9	16.3	24.5#

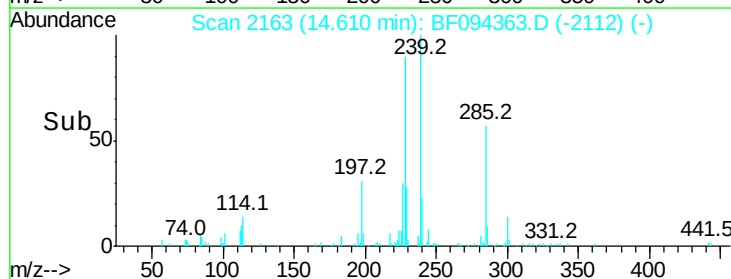
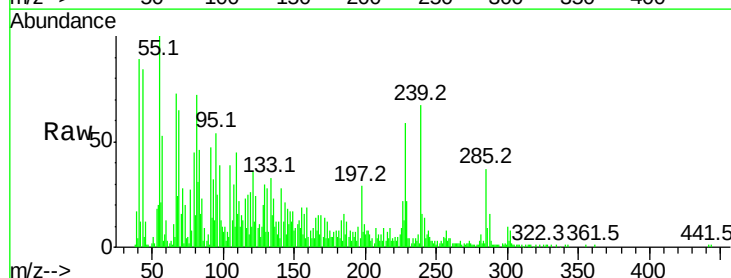
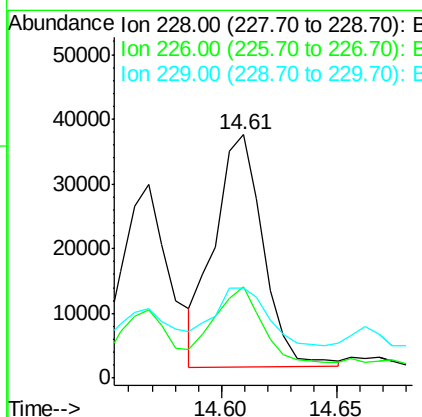
Manual Integrations
APPROVED

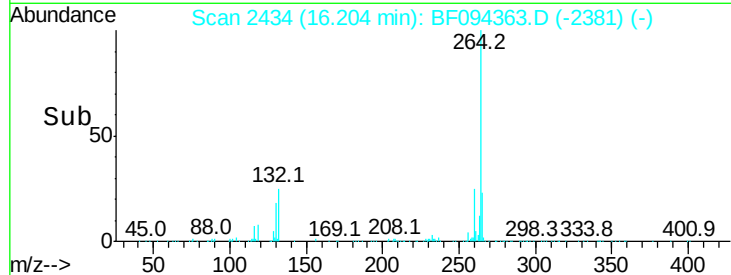
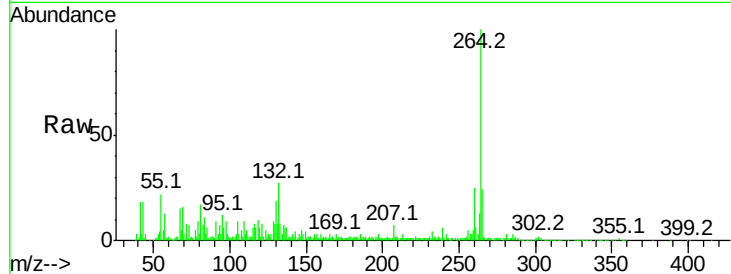
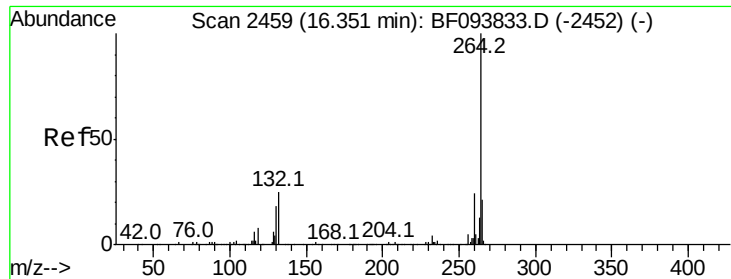
mohammad
4/12/2017 5:11:55 PM



#82
Chrysene
Concen: 3.59 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.4	24.9	37.3#
229	37.2	15.8	23.6#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094363.D
Acq: 11 Apr 2017 21:14

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASE

Tot Ion:	264	Resp:	227242
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.5	29.3
265	23.6	17.2	25.8

Manual Integrations
APPROVED

mohammad
4/12/2017 5:11:55 PM

