

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094054.D
 Acq On : 30 Mar 2017 9:29
 Operator : SJ/MA
 Sample : I2443-09
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-BASE

Manual Integrations
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Quant Time: Mar 30 12:00:10 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	5.93	152	149665	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	391660	20.00	ng	-0.02
38) Acenaphthene-d10	9.57	164	212567	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	313495	20.00	ng	0.00
75) Chrysene-d12	14.75	240	218567	20.00	ng	0.07
86) Perylene-d12	16.33	264	177685	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	988966	111.61	ng	0.00
7) Phenol-d6	5.55	99	1150053	104.91	ng	0.00
23) Nitrobenzene-d5	6.58	82	580024	84.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	201386	119.89	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	1165191	83.61	ng	-0.02
78) Terphenyl-d14	13.47	244	130584m	13.39	ng	0.06
Target Compounds						Qvalue
8) 2-Chlorophenol	5.69	128	147741	15.17	ng	98
9) Benzaldehyde	5.42	77	35500	4.80	ng	97
10) Phenol	5.57	94	1240065	99.41	ng	91
17) 2-Methylphenol	6.25	107	1322642	158.56	ng	97
20) 3+4-Methylphenols	6.45	107	2497599	247.22	ng	# 63
27) 2,4-Dimethylphenol	7.07	122	992907	178.52	ng	# 91
29) 2,4-Dichlorophenol	7.28	162	128926	24.79	ng	94
31) Naphthalene	7.47	128	6193743	328.89	ng	# 89
37) 2-Methylnaphthalene	8.30	142	578422	46.08	ng	98
45) 1,1'-Biphenyl	8.87	154	111344	6.49	ng	98
48) Acenaphthylene	9.41	152	103767	4.65	ng	# 88
49) Dimethylphthalate	9.26	163	62636	4.15	ng	99
51) Acenaphthene	9.62	154	120018	9.22	ng	98
54) Dibenzofuran	9.83	168	276557	15.61	ng	98
57) Fluorene	10.25	166	262785	17.89	ng	96
70) Phenanthrene	11.46	178	1487999	85.33	ng	96
74) Fluoranthene	12.97	202	319534m	17.89	ng	
77) Pyrene	13.22	202	71640m	4.52	ng	
80) Benzo(a)anthracene	14.74	228	65297m	5.12	ng	
82) Chrysene	14.77	228	99240m	8.39	ng	
87) Benzo(b)fluoranthene	15.92	252	53978m	4.96	ng	

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

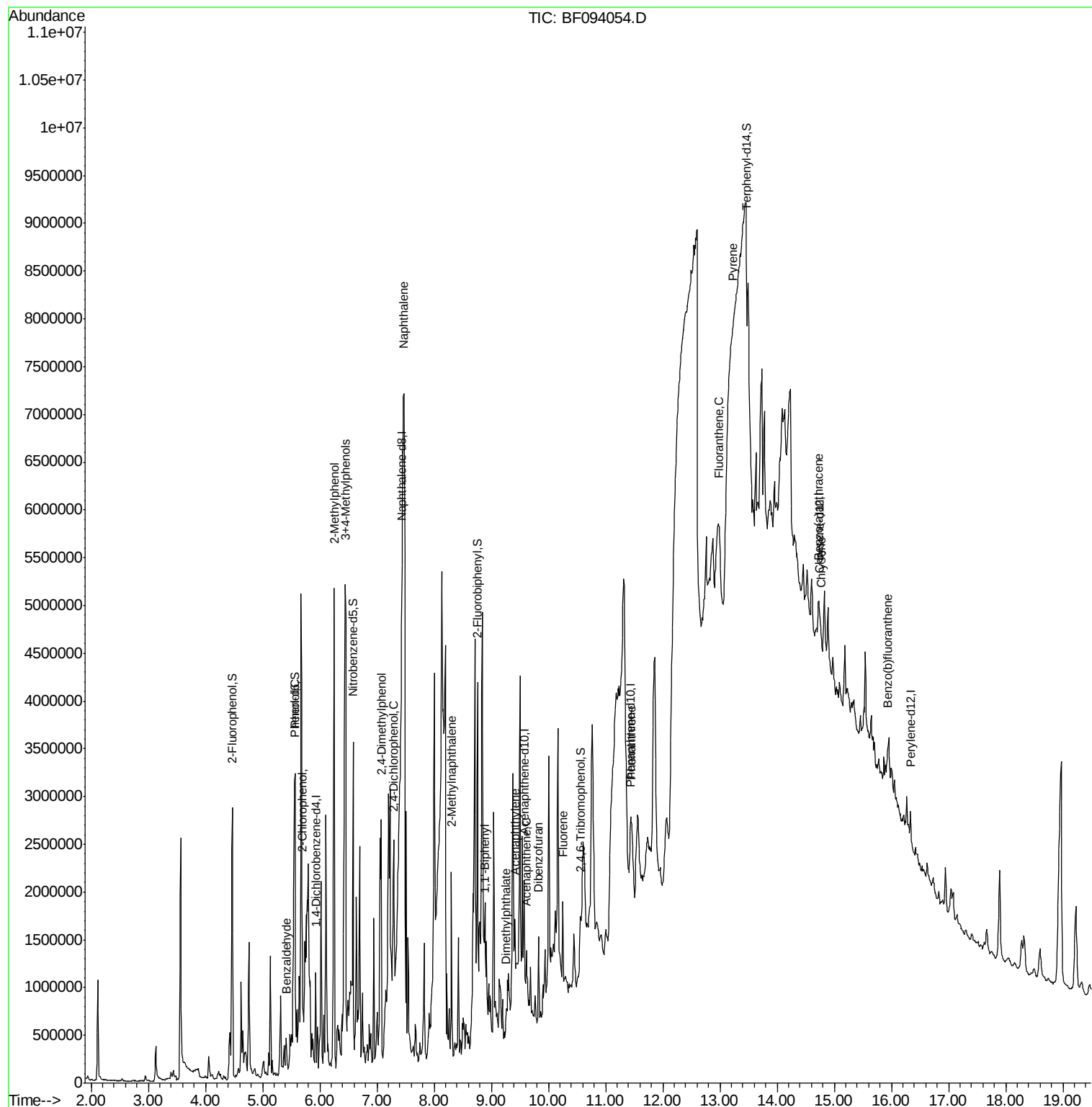
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
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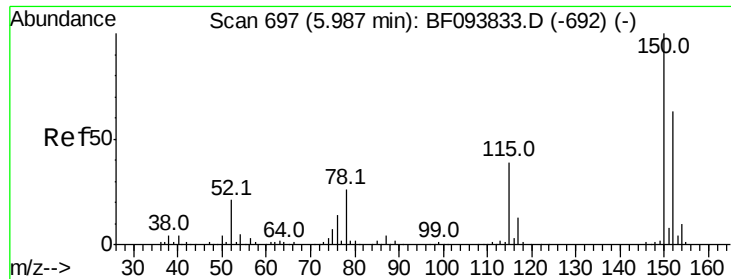
Instrument :
BNA_F
ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.93 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Instrument :

BNA_F

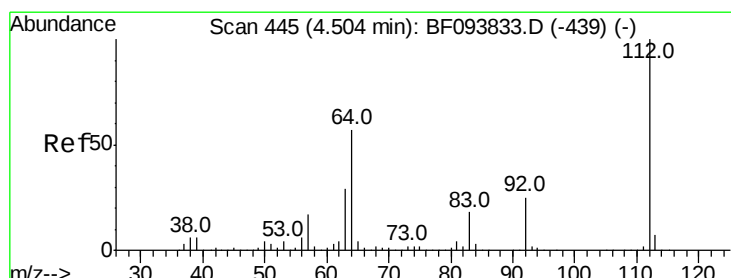
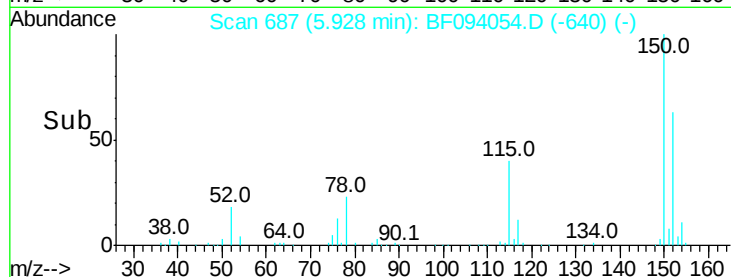
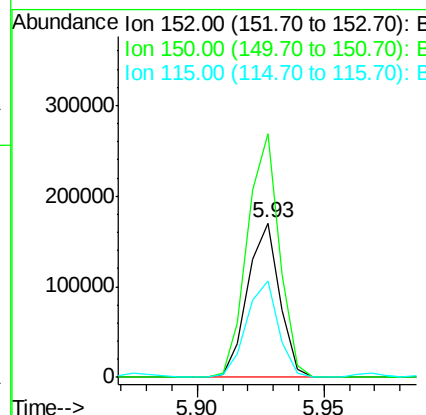
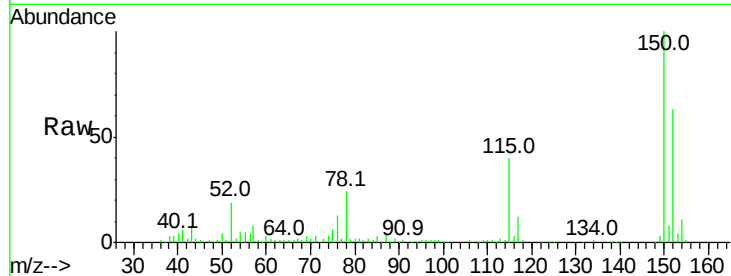
ClientSampleId :

E2-AA9-BASE

Tot Ion:	152	Resp:	149665
Ion Ratio	Lower	Upper	
152	100		
150	158.0	126.2	189.2
115	62.4	52.2	78.2

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#5

2-Fluorophenol

Concen: 111.61 ng

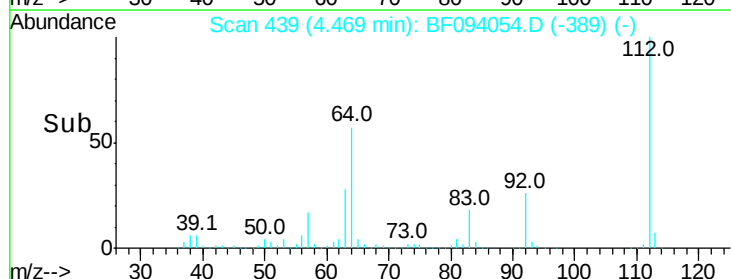
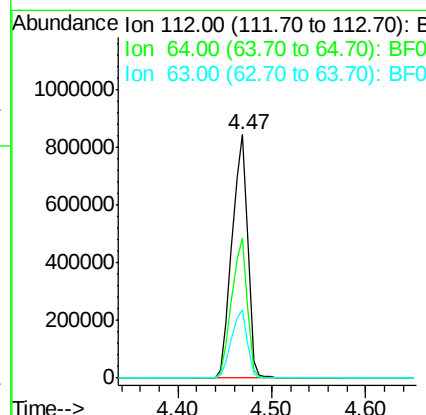
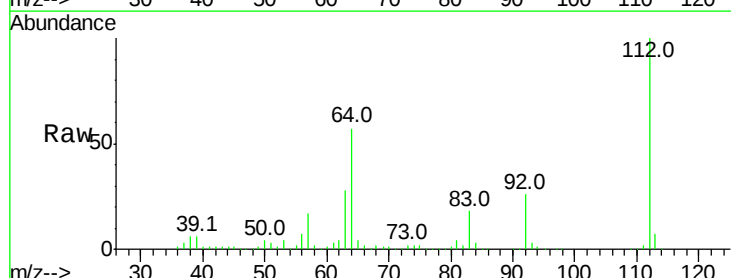
RT: 4.47 min Scan# 439

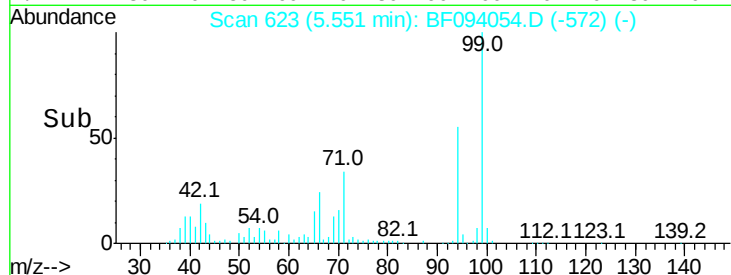
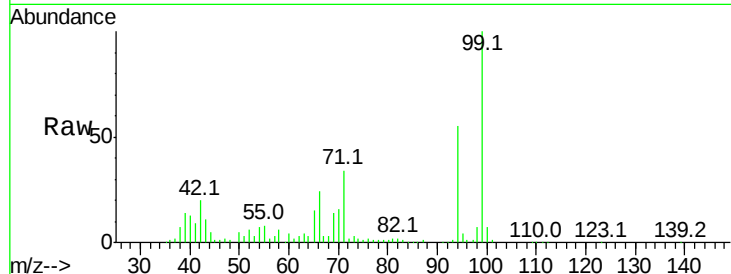
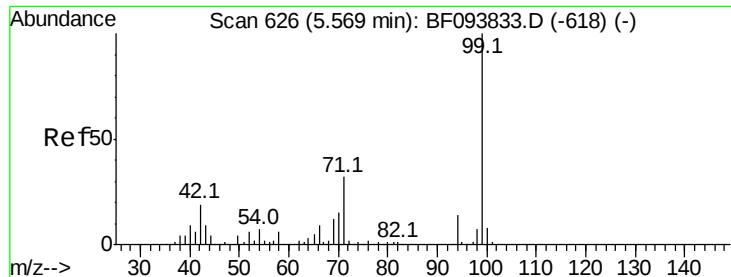
Delta R.T. -0.01 min

Lab File: BF094054.D

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Tgt Ion:	112	Resp:	988966
Ion Ratio	Lower	Upper	
112	100		
64	57.4	46.0	69.0
63	27.9	23.4	35.0





#7

Phenol-d6

Concen: 104.91 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Tot Ion: 99 Resp: 1150053

Ion Ratio Lower Upper

99 100

42 19.6 13.5 20.3

71 34.2 24.5 36.7

Instrument :

BNA_F

ClientSampleId :

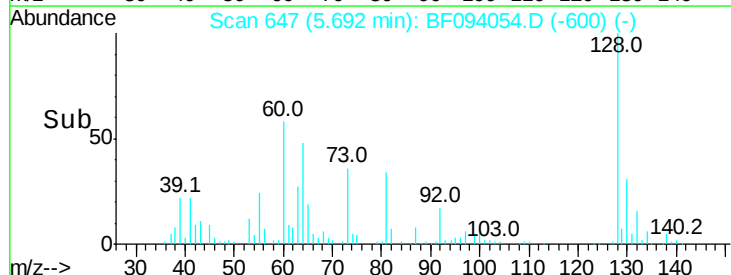
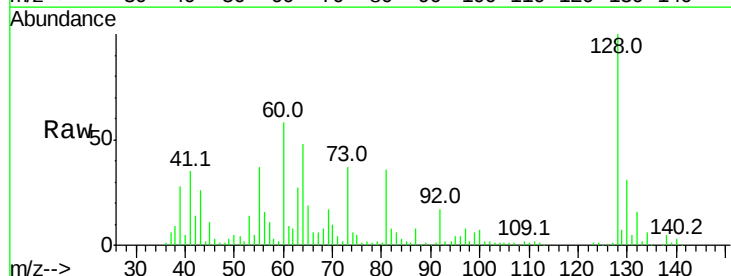
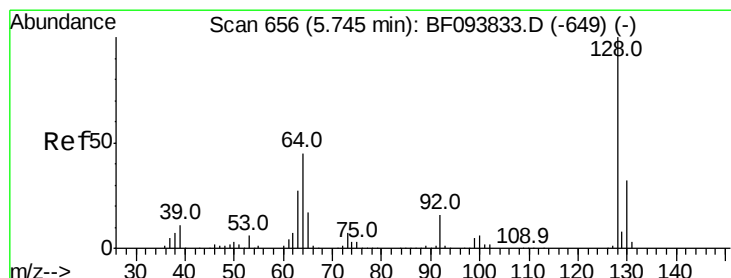
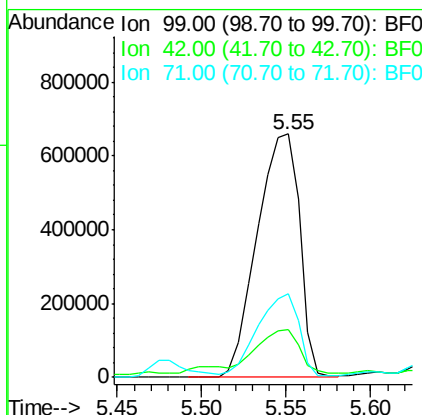
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#8

2-Chlorophenol

Concen: 15.17 ng

RT: 5.69 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

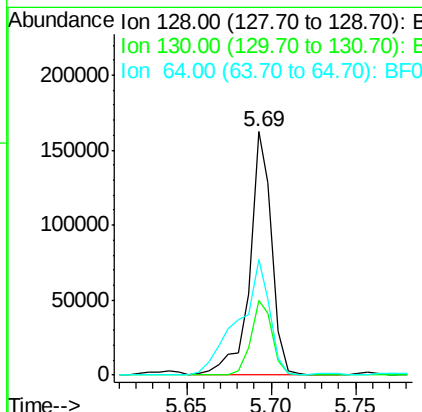
Tgt Ion:128 Resp: 147741

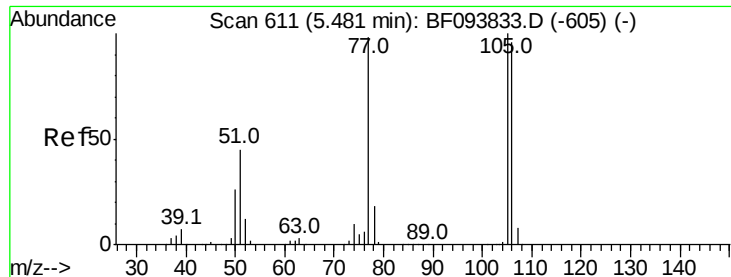
Ion Ratio Lower Upper

128 100

130 30.7 12.9 52.9

64 47.7 28.4 68.4





#9

Benzaldehyde

Concen: 4.80 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.03 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Instrument :

BNA_F

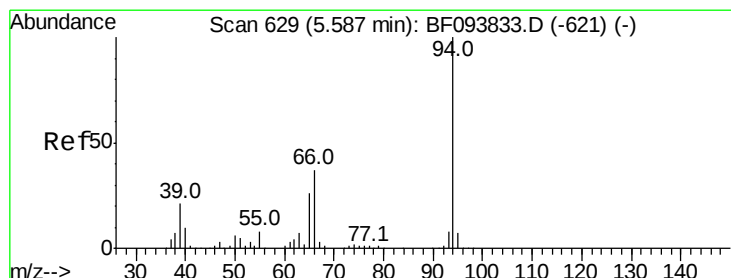
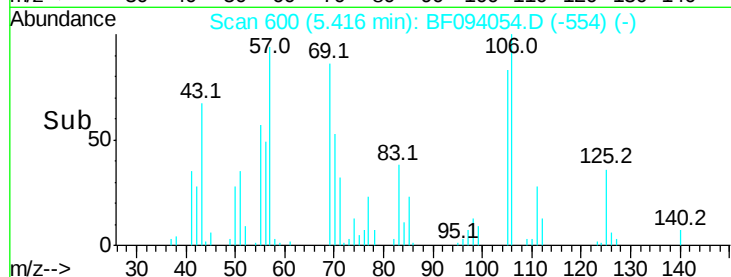
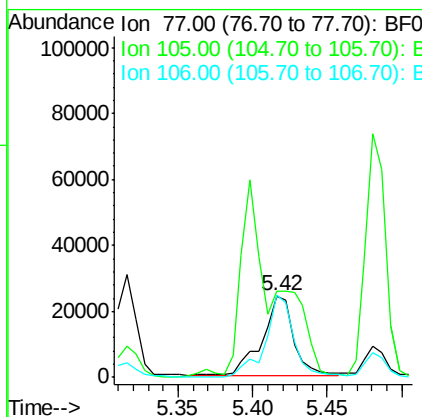
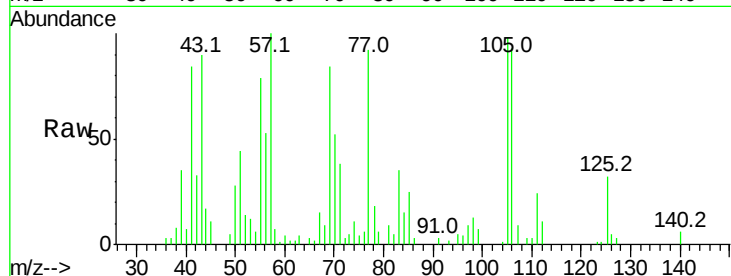
ClientSampleId :

E2-AA9-BASE

Tot Ion:	77	Resp:	35500
Ion Ratio	Lower	Upper	
77	100		
105	106.8	83.8	123.8
106	101.6	79.1	119.1

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#10

Phenol

Concen: 99.41 ng

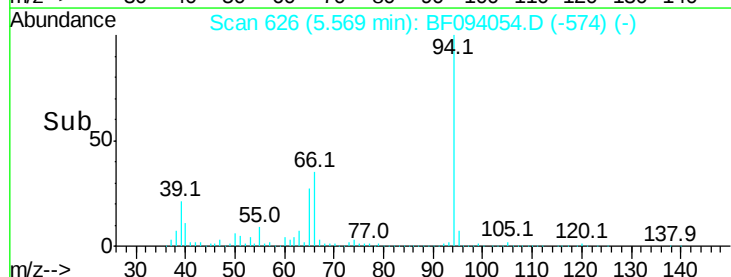
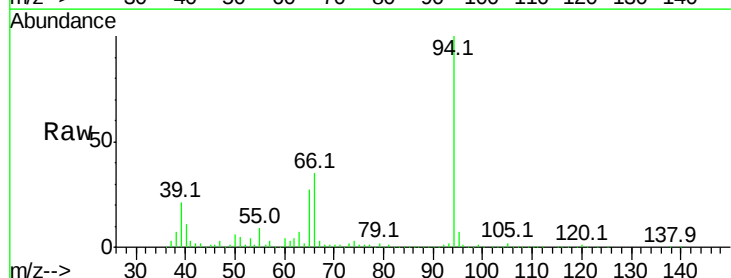
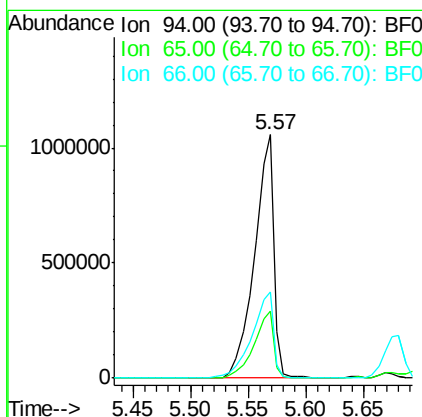
RT: 5.57 min Scan# 626

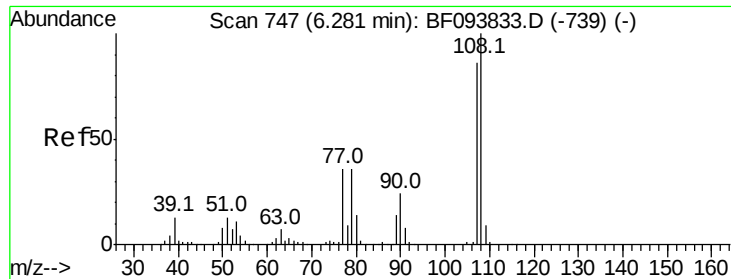
Delta R.T. 0.01 min

Lab File: BF094054.D

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Tgt Ion:	94	Resp:	1240065
Ion Ratio	Lower	Upper	
94	100		
65	27.3	9.9	49.9
66	35.4	23.1	63.1





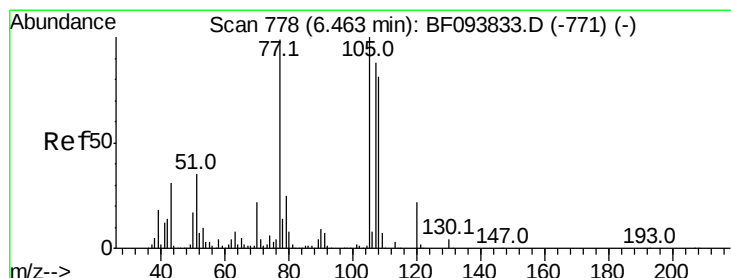
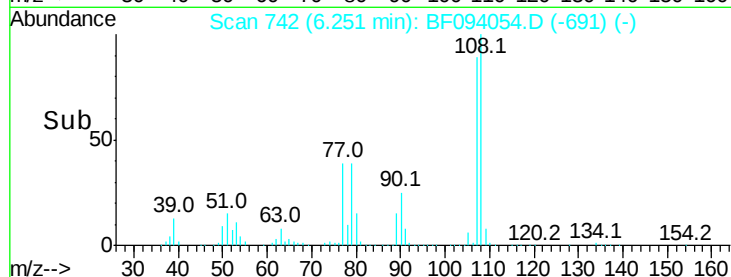
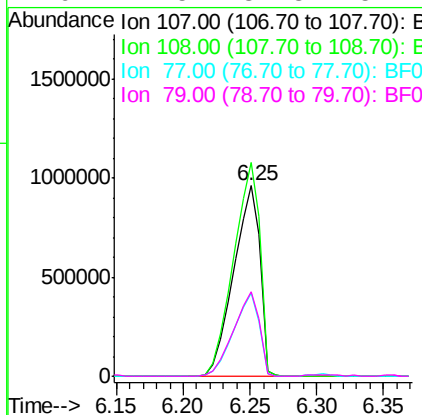
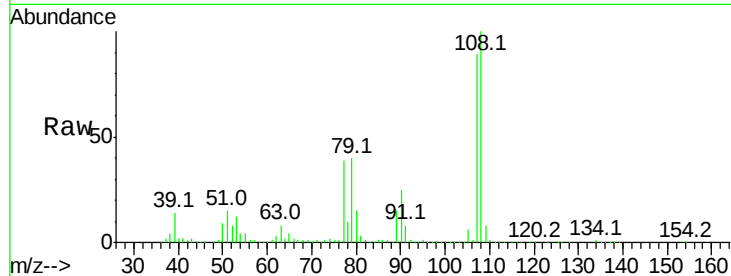
#17
2-Methylphenol
Concen: 158.56 ng
RT: 6.25 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Instrument :
BNA_F
ClientSampleId :
E2-AA9-BASE

Tot Ion	107	Resp	1322642
Ion	Ratio	Lower	Upper
107	100		
108	112.2	93.4	140.0
77	43.7	35.8	53.6
79	44.5	34.8	52.2

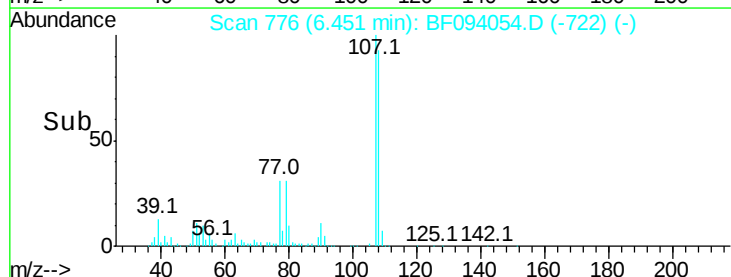
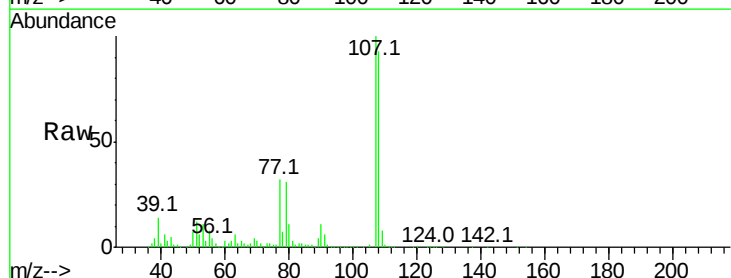
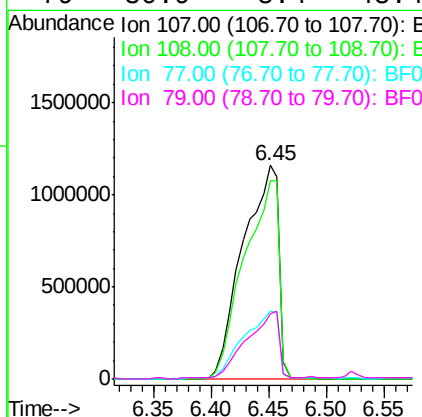
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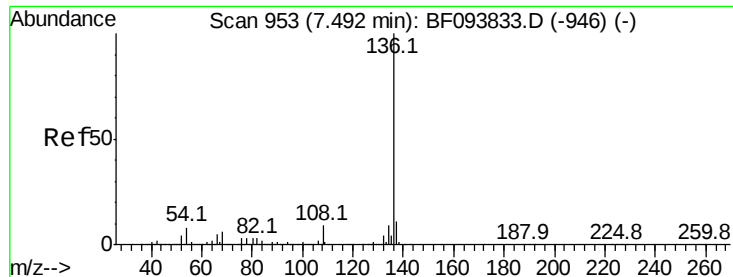
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#20
3+4-Methylphenols
Concen: 247.22 ng
RT: 6.45 min Scan# 776
Delta R.T. 0.02 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Tgt Ion	107	Resp	2497599
Ion	Ratio	Lower	Upper
107	100		
108	93.1	71.0	111.0
77	31.7	90.5	130.5#
79	30.9	8.4	48.4





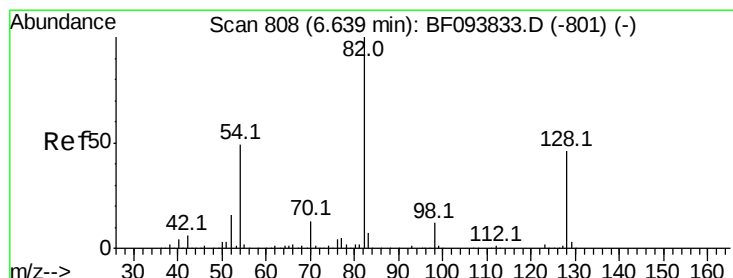
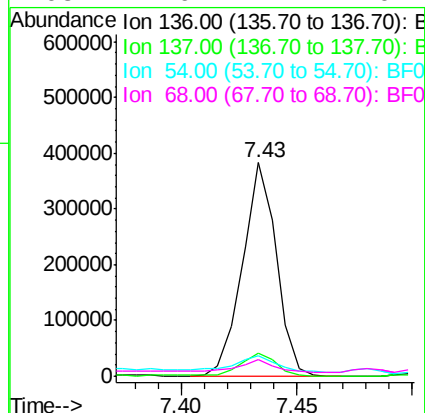
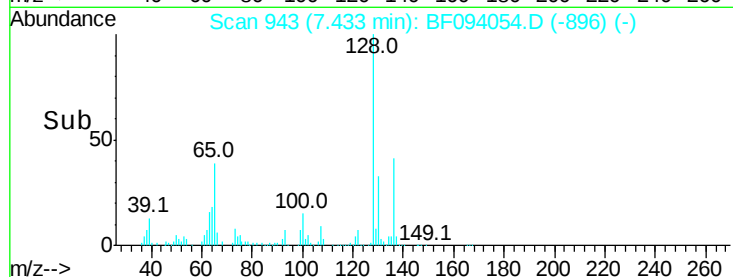
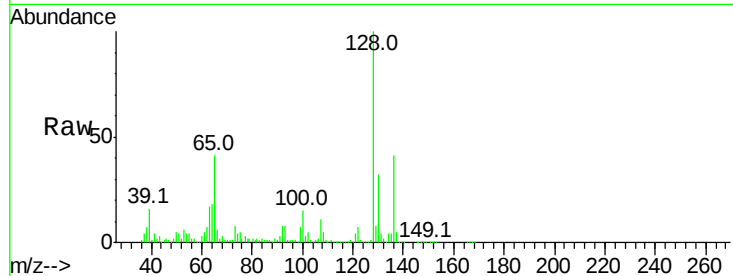
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 943
Delta R.T. -0.02 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.3	4.9	7.3#
68	7.6	4.1	6.1#

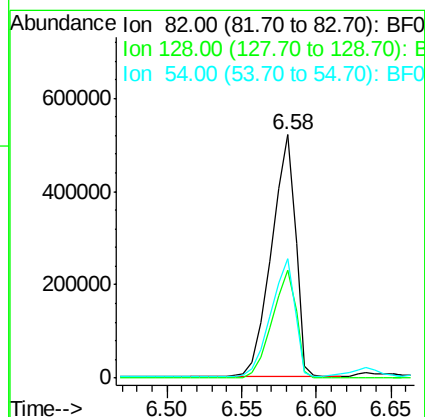
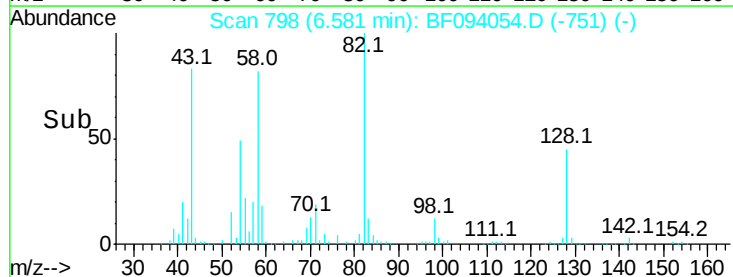
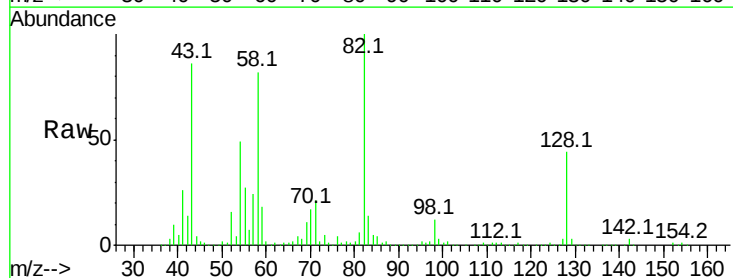
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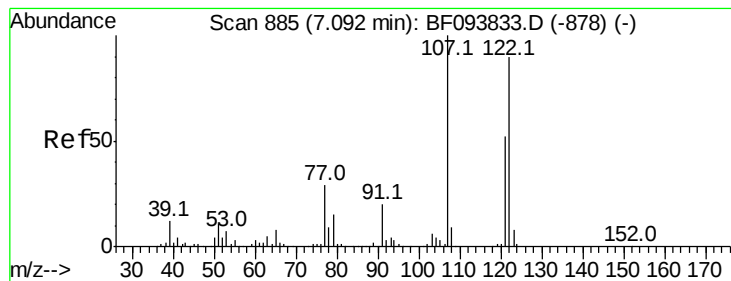
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#23
Nitrobenzene-d5
Concen: 84.52 ng
RT: 6.58 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.2	34.0	51.0
54	48.8	42.2	63.2





#27

2,4-Dimethylphenol

Concen: 178.52 ng

RT: 7.07 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Instrument :

BNA_F

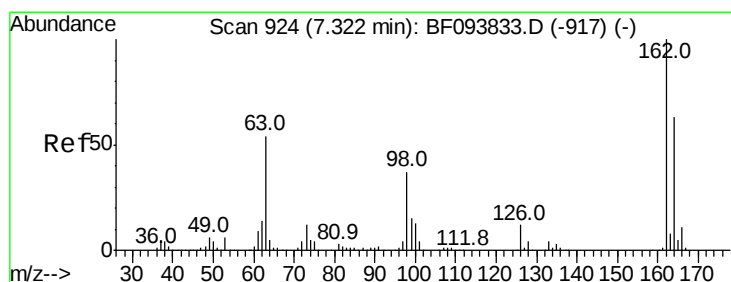
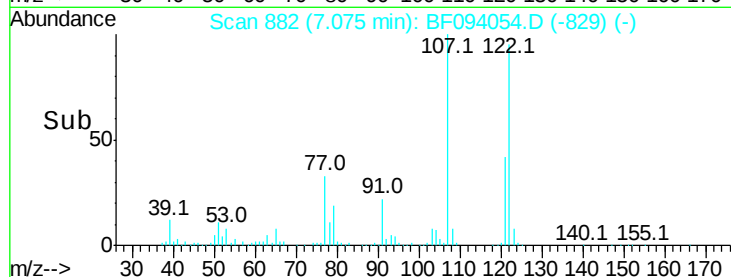
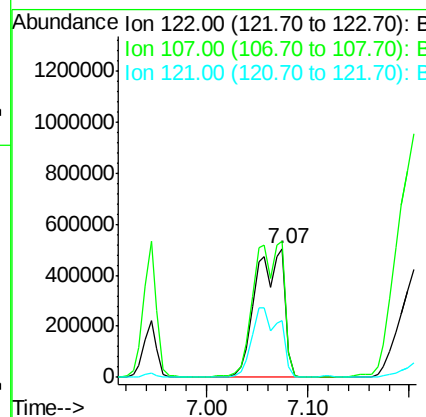
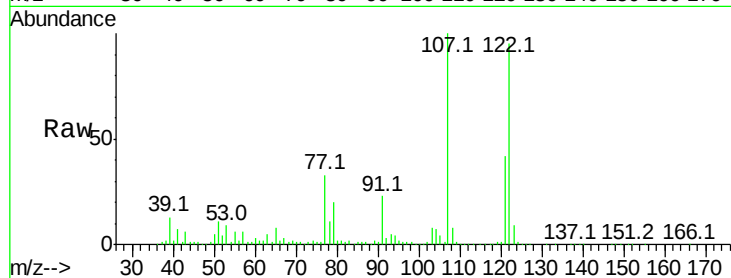
ClientSampleId :

E2-AA9-BASE

Tot Ion:	122	Resp:	992907
Ion Ratio	Lower	Upper	
122	100		
107	105.5	89.2	133.8
121	44.2	45.2	67.8#

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#29

2,4-Dichlorophenol

Concen: 24.79 ng

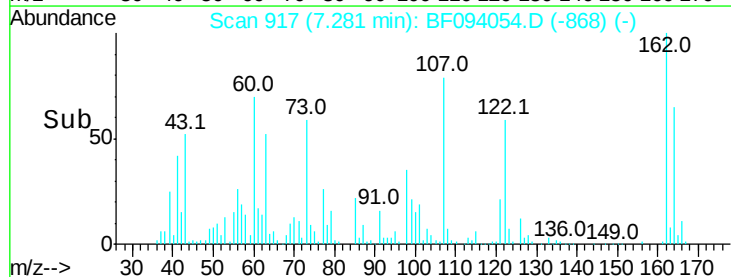
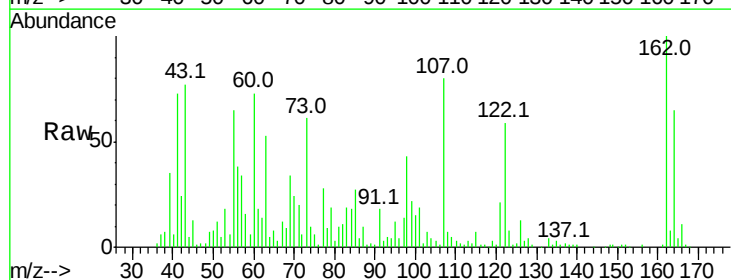
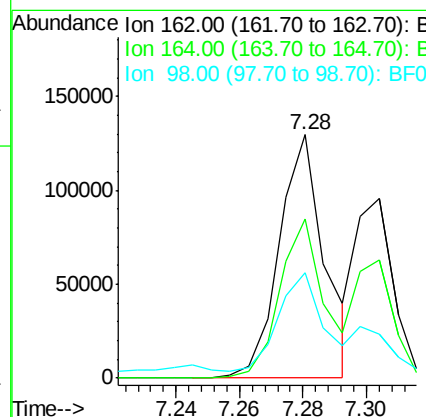
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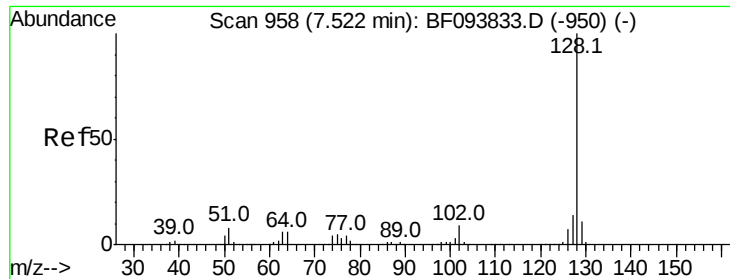
Delta R.T. -0.01 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Tgt Ion:	162	Resp:	128926
Ion Ratio	Lower	Upper	
162	100		
164	65.5	44.6	84.6
98	43.3	14.8	54.8





#31

Naphthalene

Concen: 328.89 ng

RT: 7.47 min Scan# 949

Delta R.T. -0.02 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Instrument :

BNA_F

ClientSampleId :

E2-AA9-BASE

Tot Ion:128 Resp: 6193743

Ion Ratio Lower Upper

128 100

129 9.1 9.0 13.6

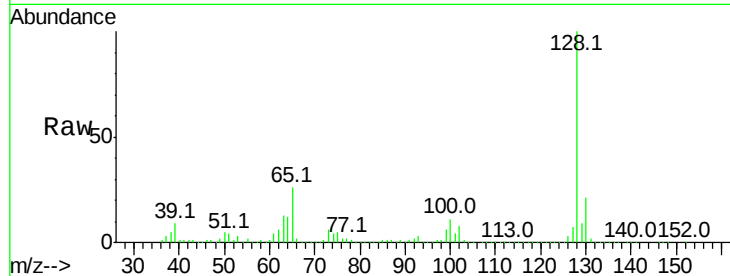
127 7.1 10.8 16.2#

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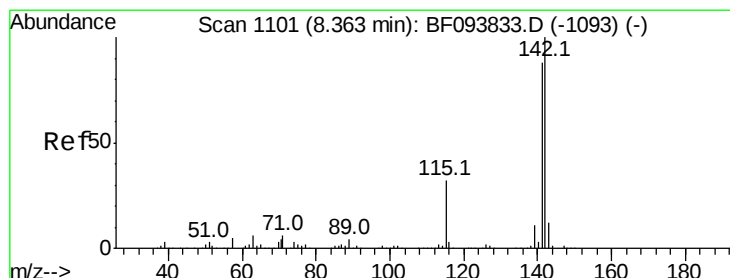
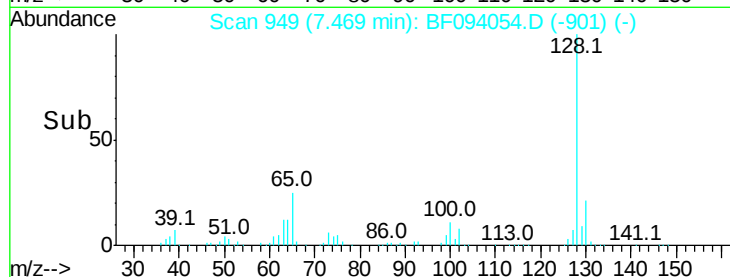
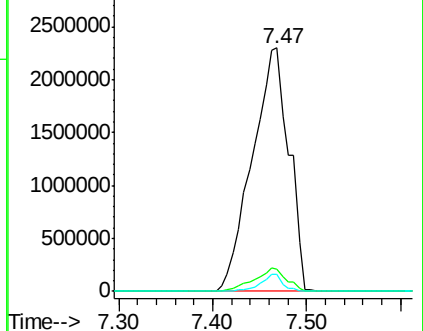
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 46.08 ng

RT: 8.30 min Scan# 1091

Delta R.T. -0.02 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

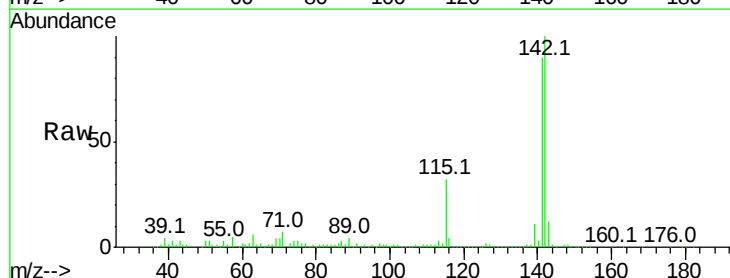
Tgt Ion:142 Resp: 578422

Ion Ratio Lower Upper

142 100

141 90.5 71.3 106.9

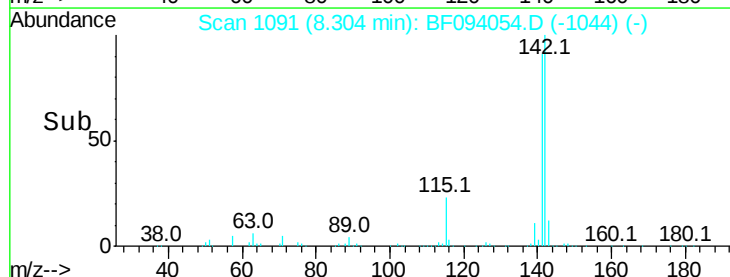
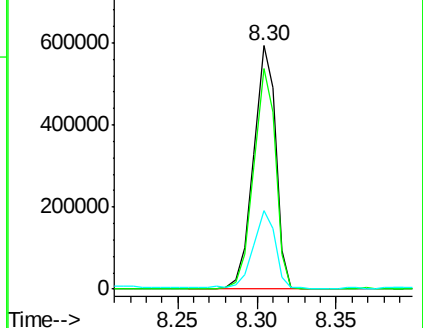
115 32.4 27.1 40.7

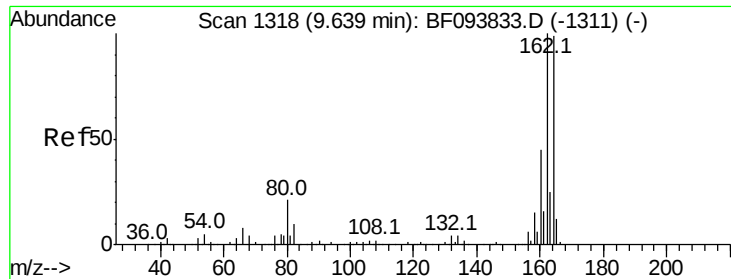


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





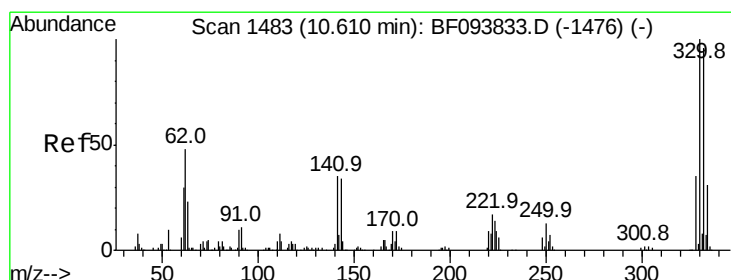
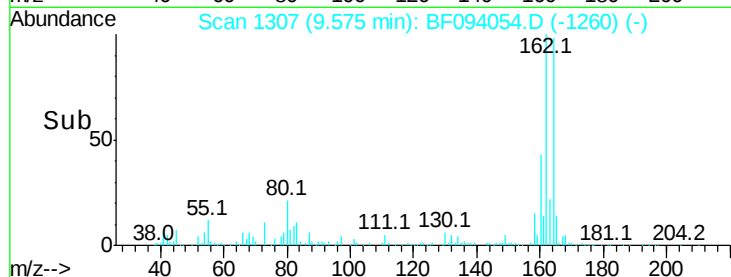
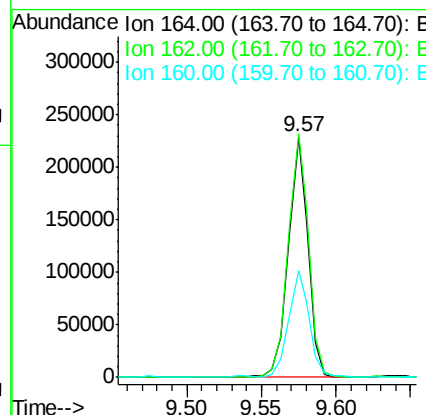
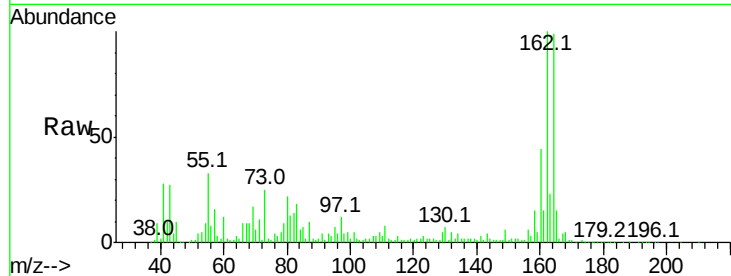
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	82.6	123.8	
160	44.1	36.2	54.2	

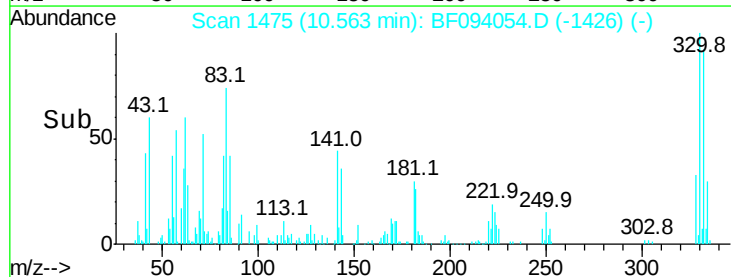
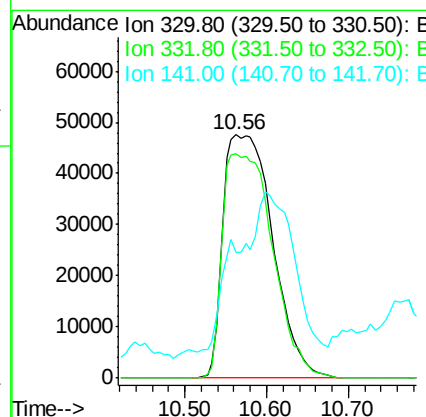
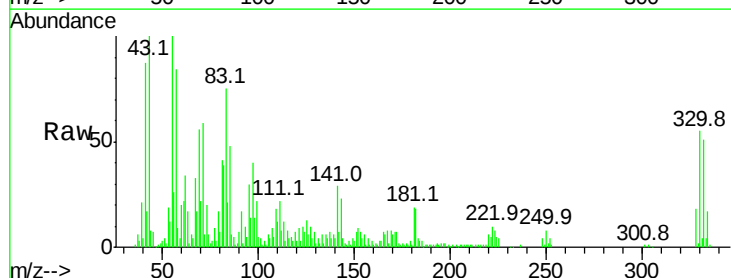
Manual Integrations
 APPROVED

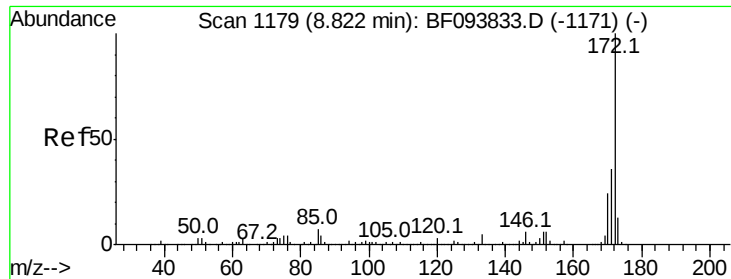
mohammad
 3/30/2017 2:32:42 PM



#41
 2,4,6-Tribromophenol
 Concen: 119.89 ng
 RT: 10.56 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.4	76.6	115.0	
141	21.8	31.4	47.2	





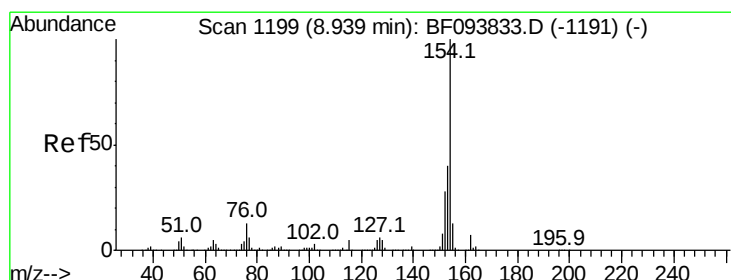
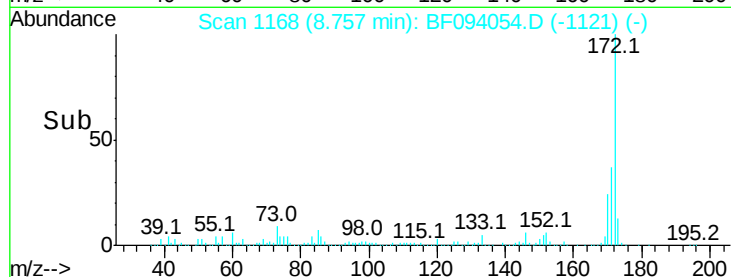
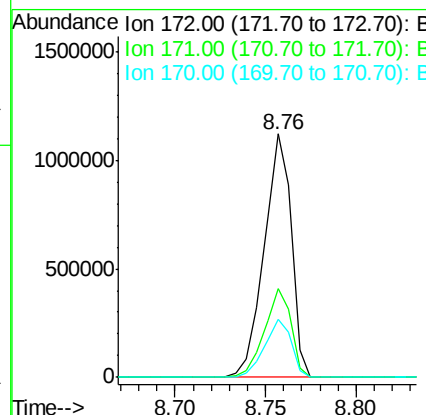
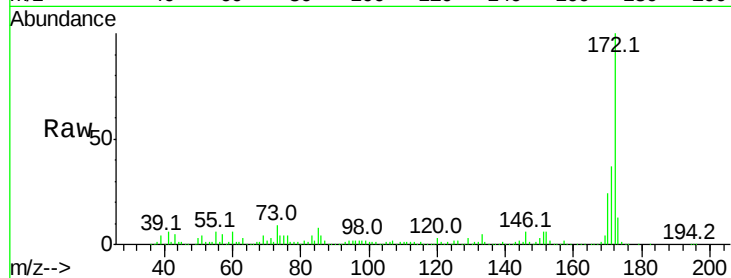
#44
2-Fluorobiphenyl
Concen: 83.61 ng
RT: 8.76 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Instrument :
BNA_F
ClientSampleId :
E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.1	19.8	29.8

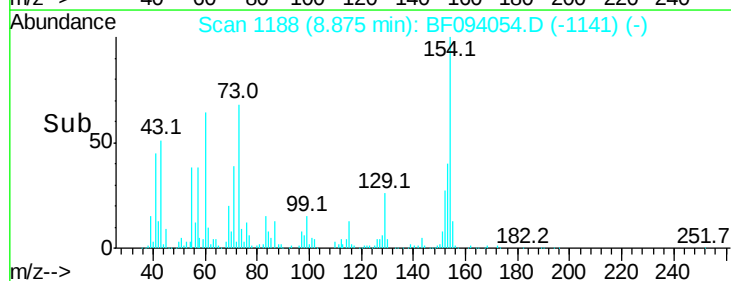
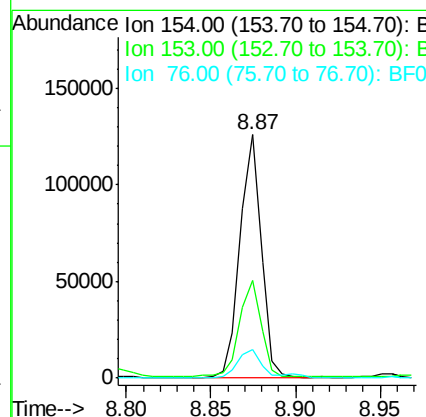
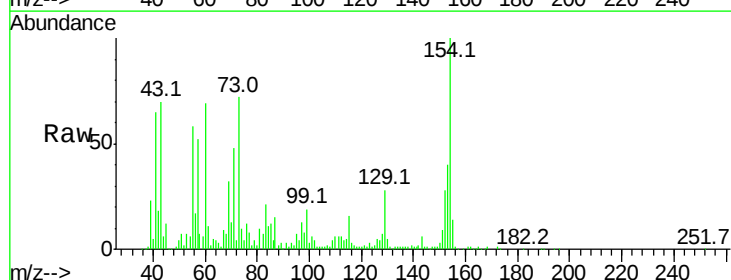
Manual Integrations
APPROVED

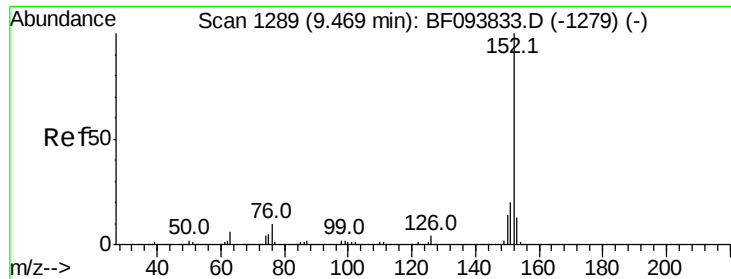
mohammad
3/30/2017 2:32:42 PM



#45
1,1'-Biphenyl
Concen: 6.49 ng
RT: 8.87 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	11.8	0.0	29.9





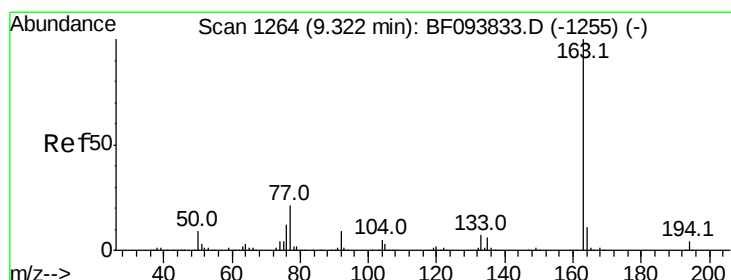
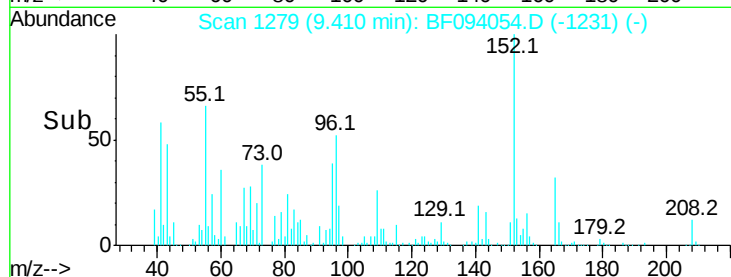
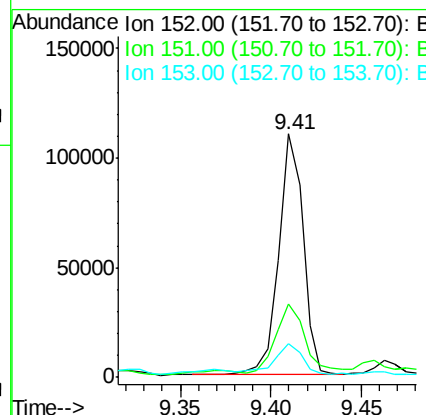
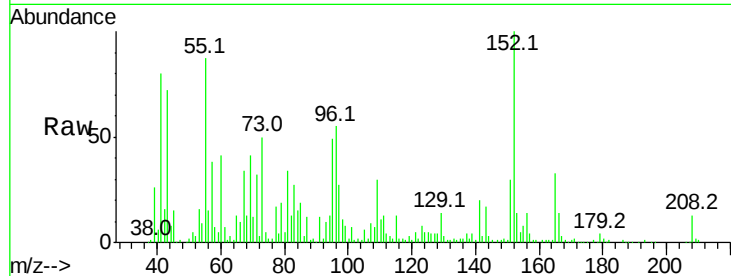
#48
 Acenaphthylene
 Concen: 4.65 ng
 RT: 9.41 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-BASE

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	30.4	16.8	25.2#
153	13.6	10.8	16.2

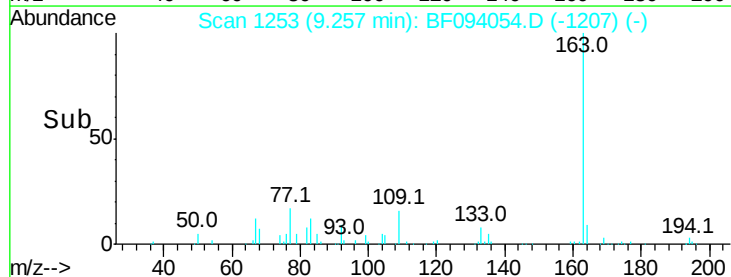
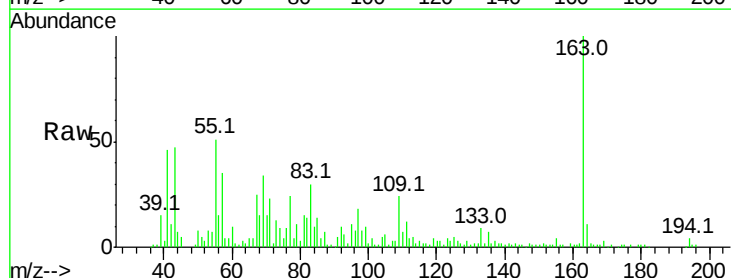
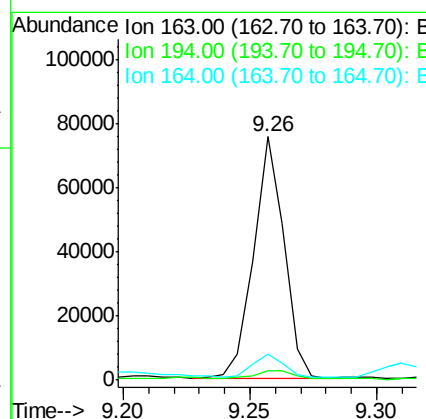
Manual Integrations
 APPROVED

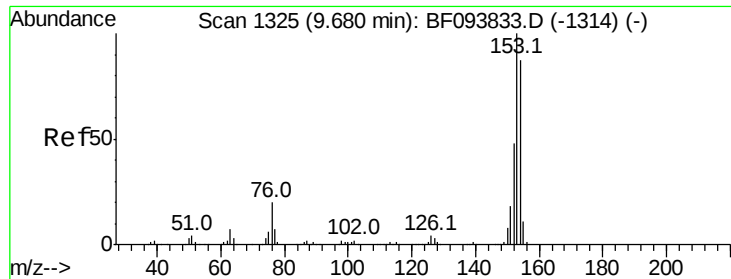
mohammad
 3/30/2017 2:32:42 PM



#49
 Dimethylphthalate
 Concen: 4.15 ng
 RT: 9.26 min Scan# 1253
 Delta R.T. -0.03 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.9	8.4	12.6





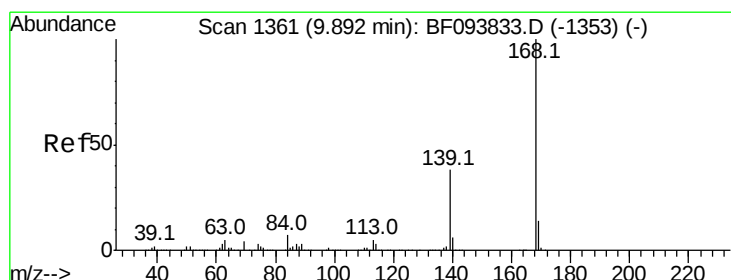
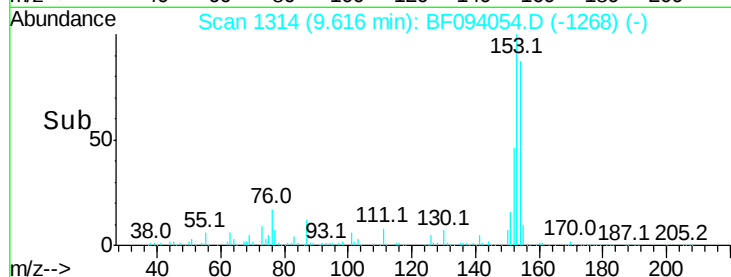
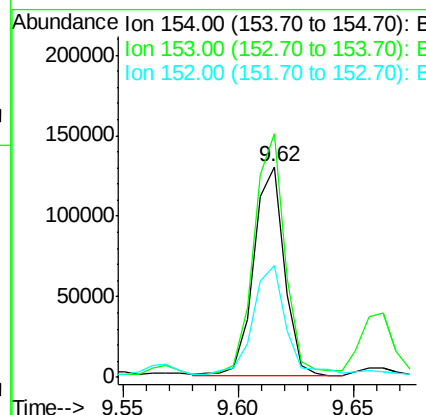
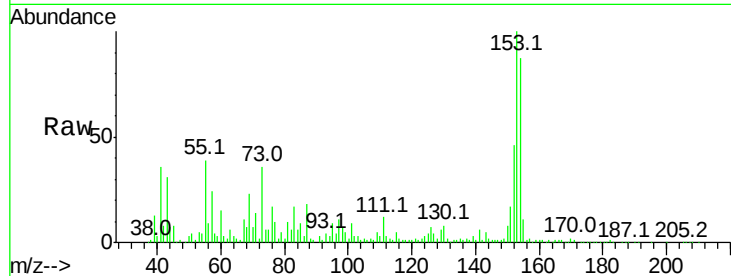
#51
Acenaphthene
Concen: 9.22 ng
RT: 9.62 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Instrument :
BNA_F
ClientSampleId :
E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.5	90.5	135.7
152	53.1	43.6	65.4

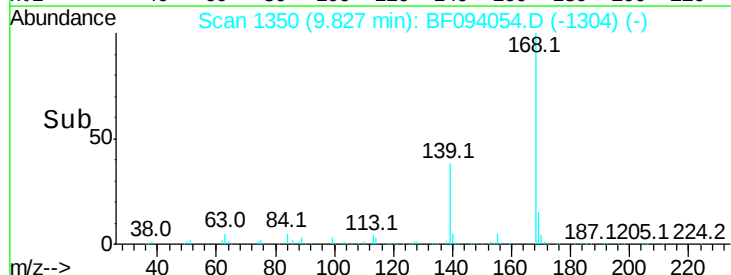
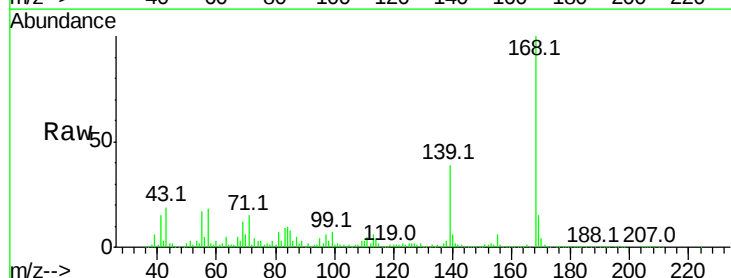
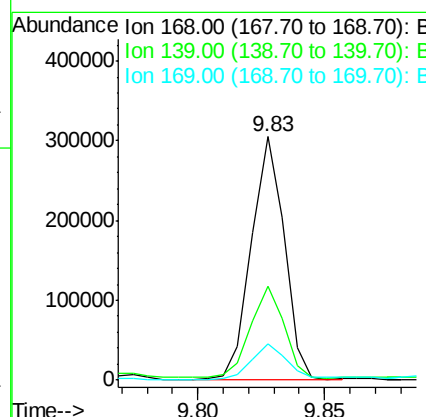
Manual Integrations
APPROVED

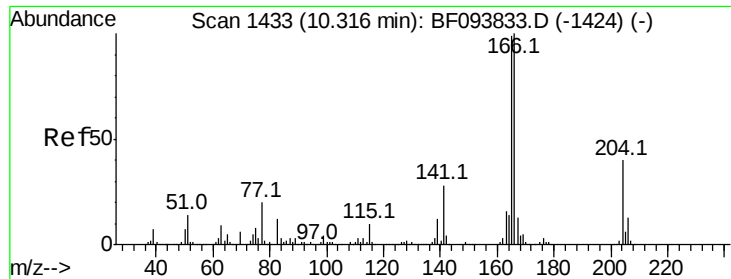
mohammad
3/30/2017 2:32:42 PM



#54
Dibenzofuran
Concen: 15.61 ng
RT: 9.83 min Scan# 1350
Delta R.T. -0.03 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.6	45.8
169	15.1	10.8	16.2





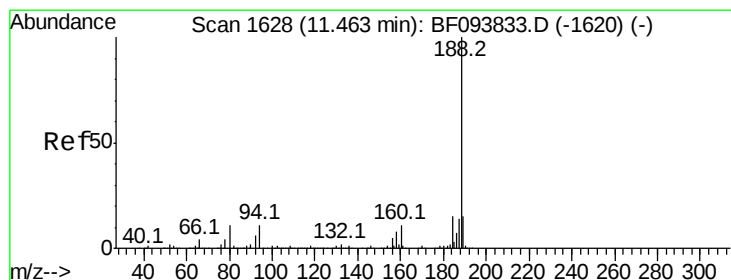
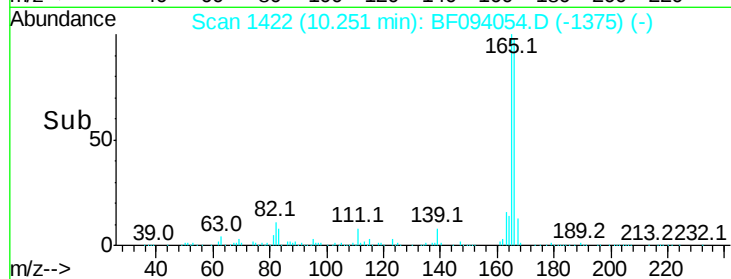
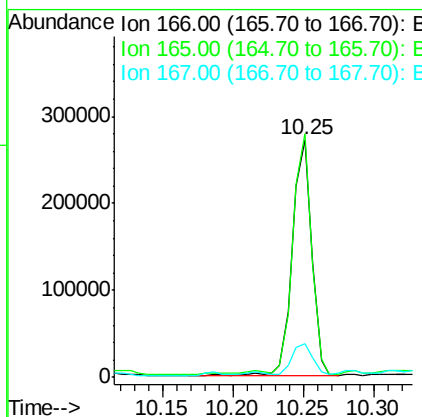
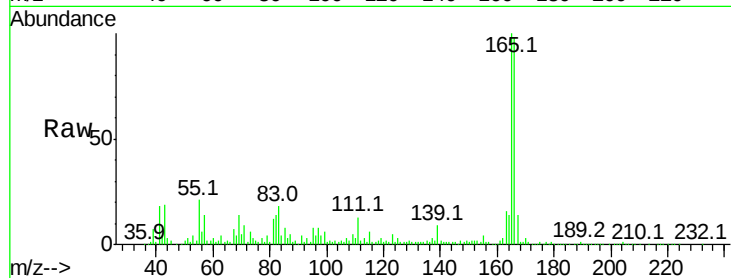
#57
Fluorene
 Concen: 17.89 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.6	78.8	118.2
167	14.0	10.6	16.0

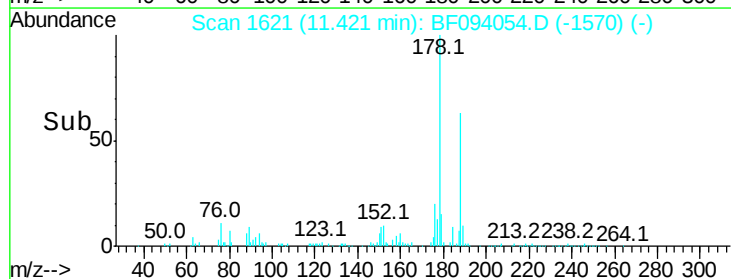
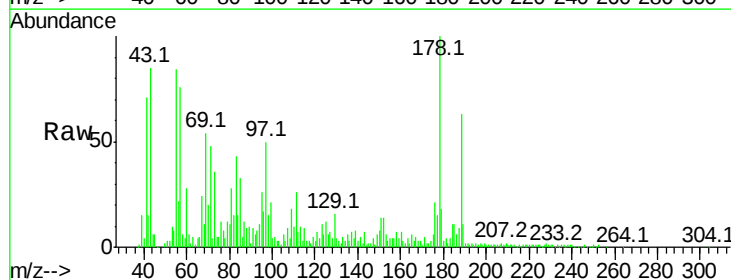
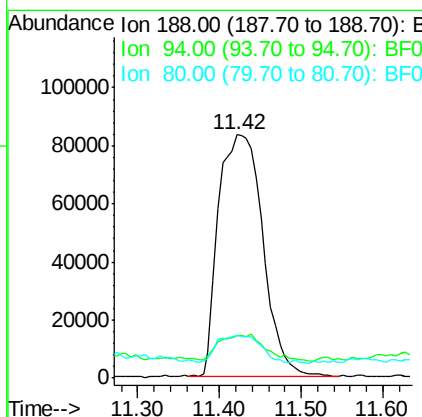
Manual Integrations
 APPROVED

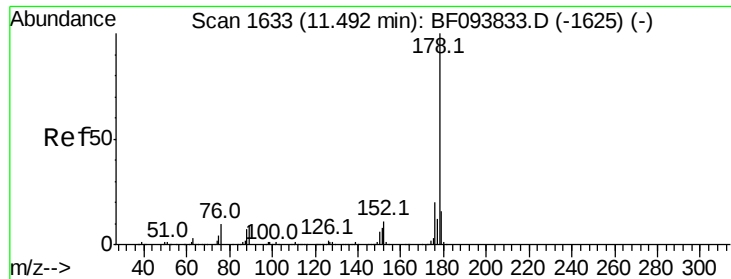
mohammad
 3/30/2017 2:32:42 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.3	9.4	14.2#
80	17.6	10.2	15.2#





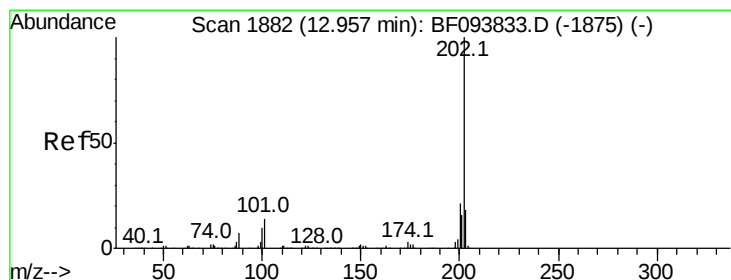
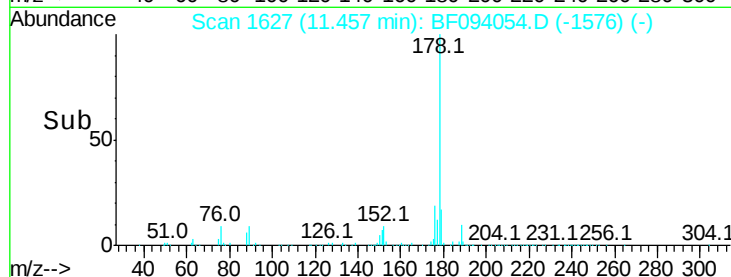
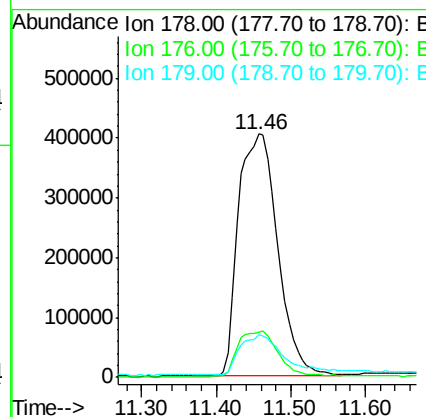
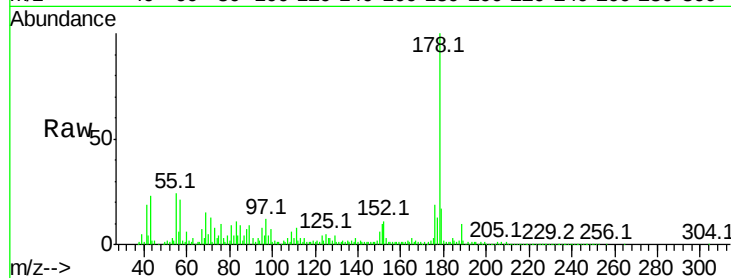
#70
Phenanthrene
Concen: 85.33 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Instrument :
BNA_F
ClientSampled :
E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	17.4	12.6	19.0

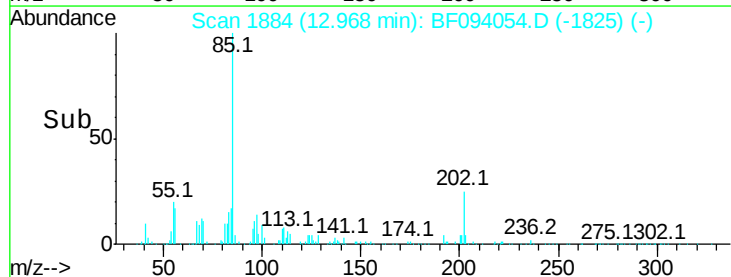
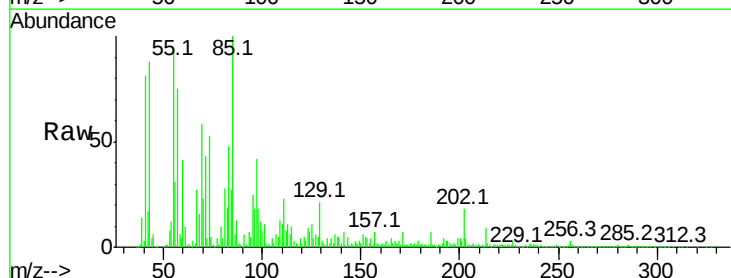
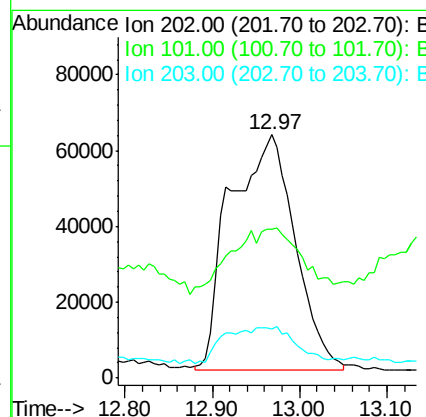
Manual Integrations
APPROVED

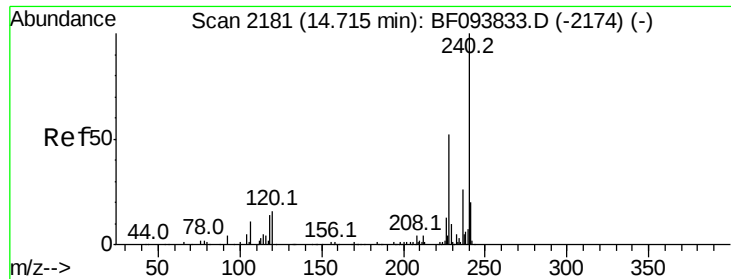
mohammad
3/30/2017 2:32:42 PM



#74
Fluoranthene
Concen: 17.89 ng m
RT: 12.97 min Scan# 1884
Delta R.T. 0.05 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	61.3	0.0	33.2#
203	20.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 2187

Delta R.T. 0.07 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Instrument :

BNA_F

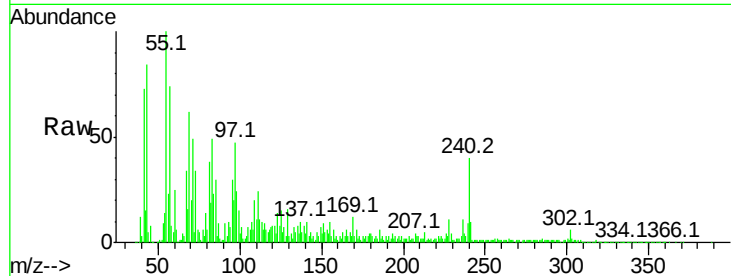
ClientSampleId :

E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	19.8	5.8	8.8#
236	26.8	20.5	30.7

Manual Integrations
APPROVED

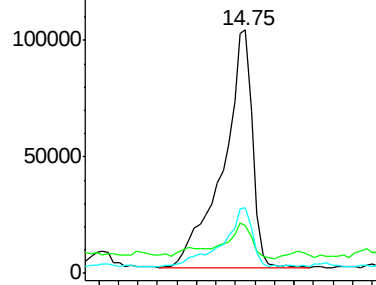
mohammad
3/30/2017 2:32:42 PM



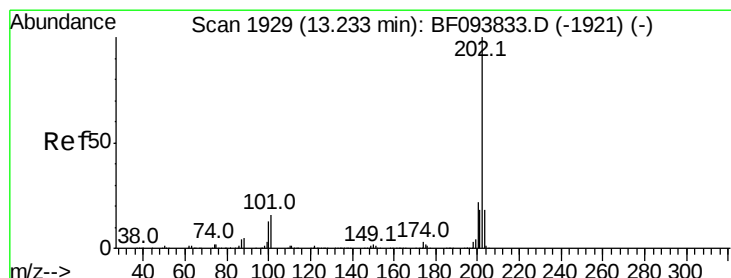
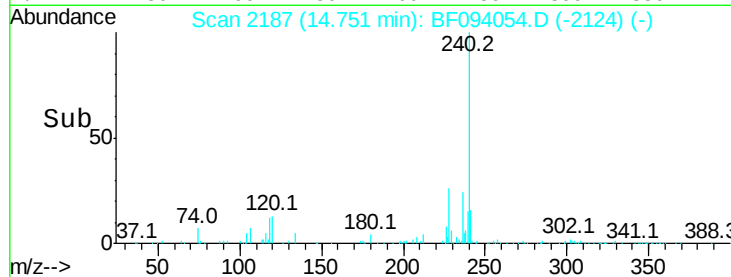
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 4.52 ng m

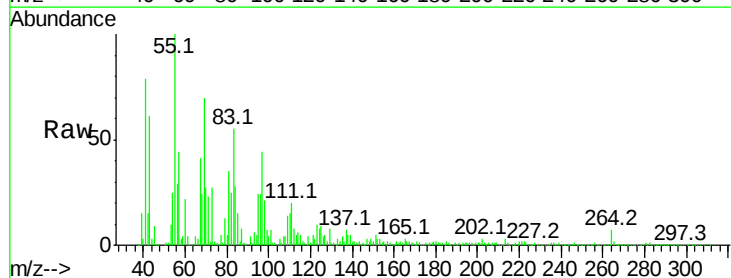
RT: 13.22 min Scan# 1927

Delta R.T. 0.02 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

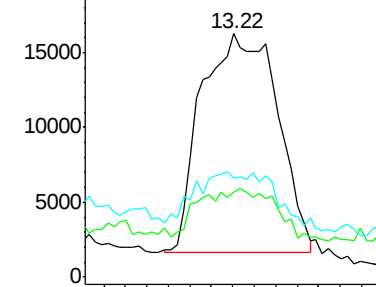
Tgt Ion	Ratio	Lower	Upper
202	100		
200	34.6	17.6	26.4#
203	40.6	14.4	21.6#



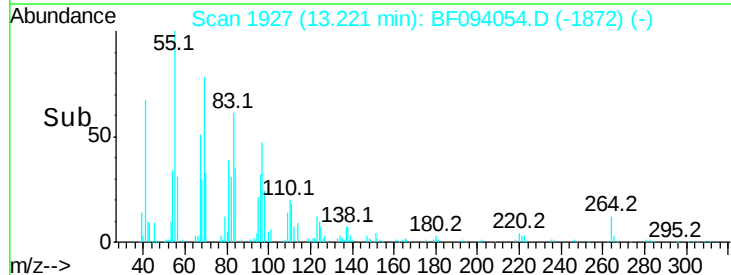
Abundance Ion 202.00 (201.70 to 202.70): E

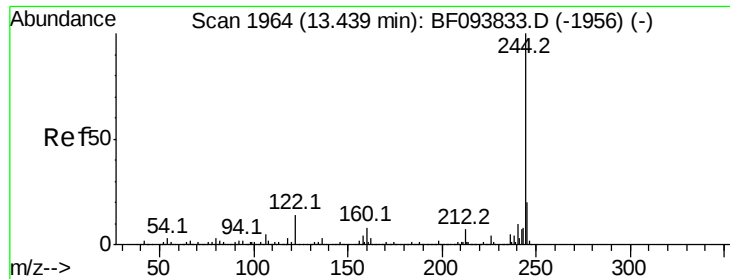
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





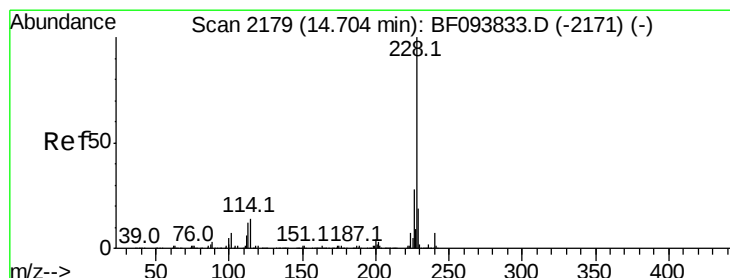
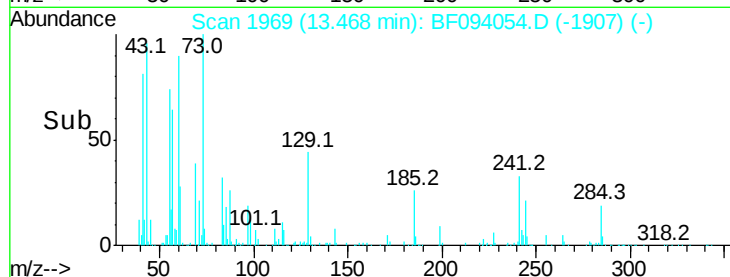
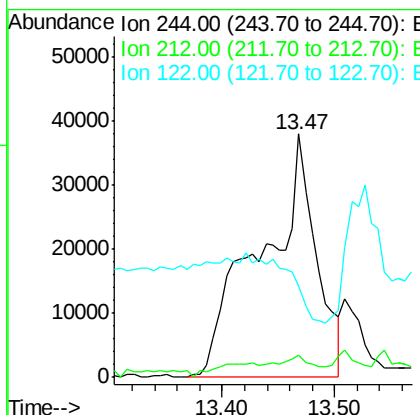
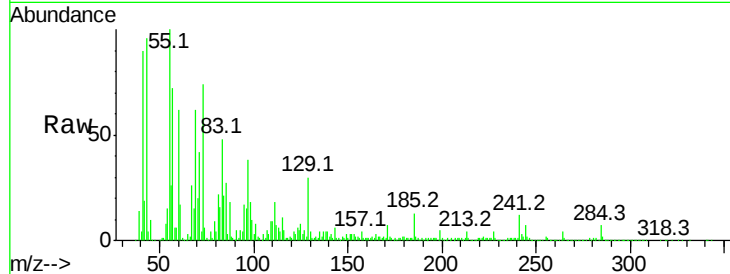
#78
 Terphenyl-d14
 Concen: 13.39 ng m
 RT: 13.47 min Scan# 1969
 Delta R.T. 0.06 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.0	9.0
122	37.3	10.3	15.5#

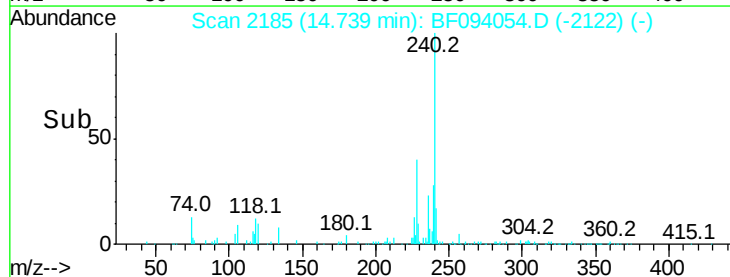
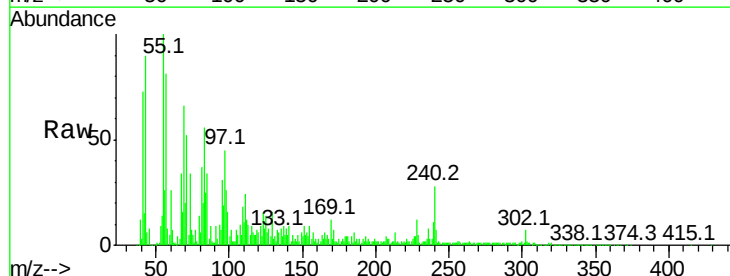
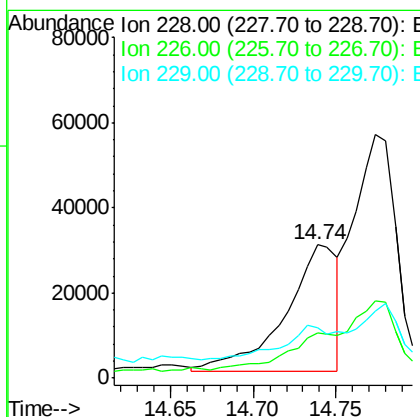
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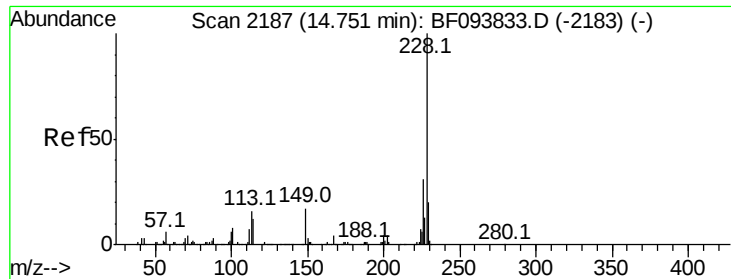
mohammad
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#80
 Benzo(a)anthracene
 Concen: 5.12 ng m
 RT: 14.74 min Scan# 2185
 Delta R.T. 0.07 min
 Lab File: BF094054.D
 Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.6	33.8#
229	37.5	16.3	24.5#





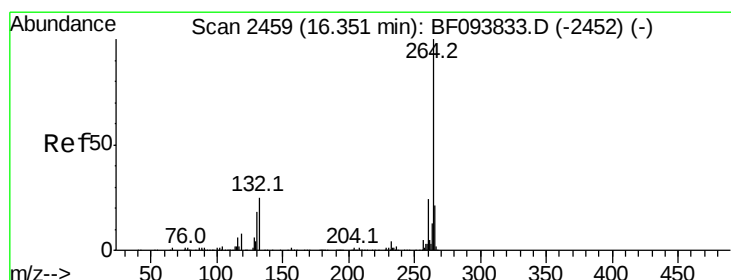
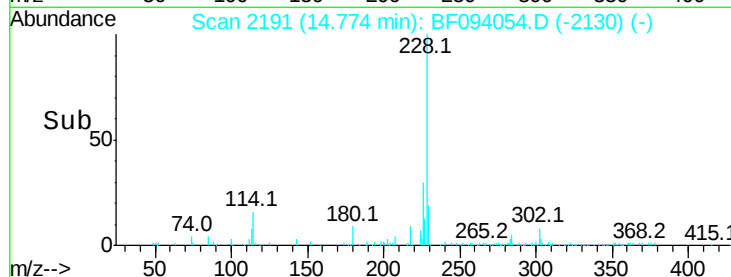
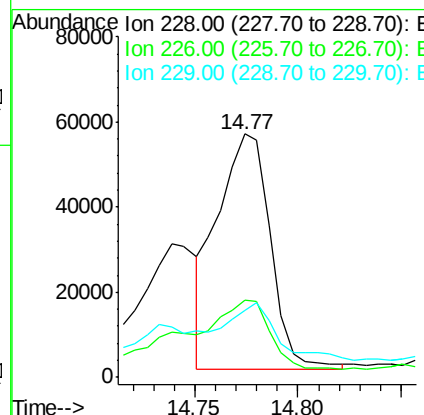
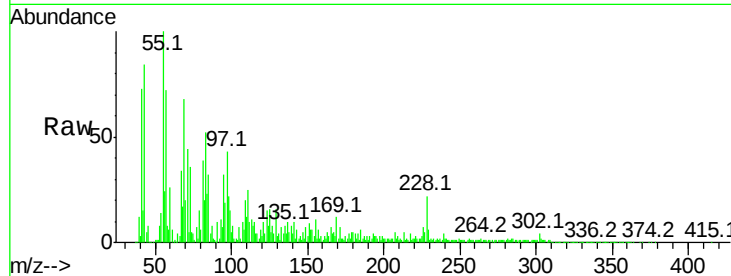
#82
Chrysene
Concen: 8.39 ng/mL
RT: 14.77 min Scan# 2191
Delta R.T. 0.06 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Instrument :
BNA_F
ClientSampleId :
E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	27.8	15.8	23.6

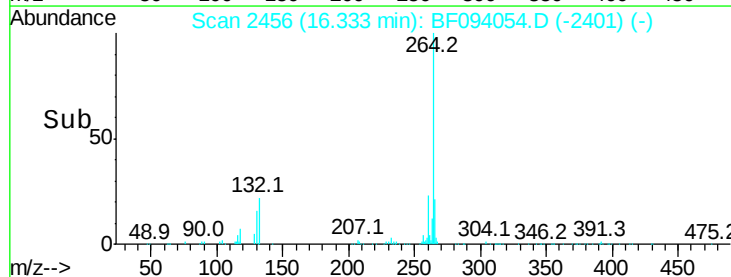
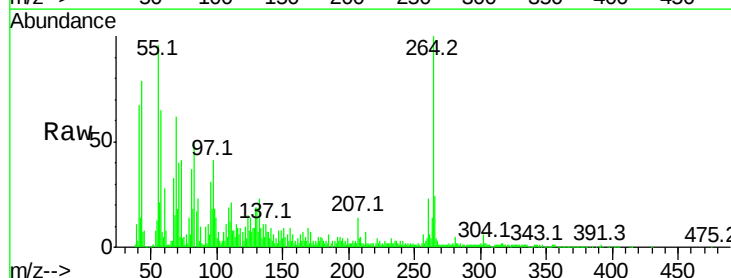
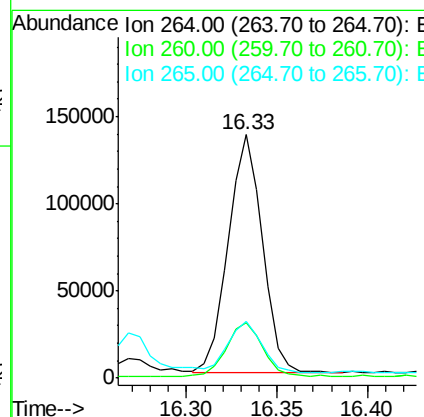
Manual Integrations
APPROVED

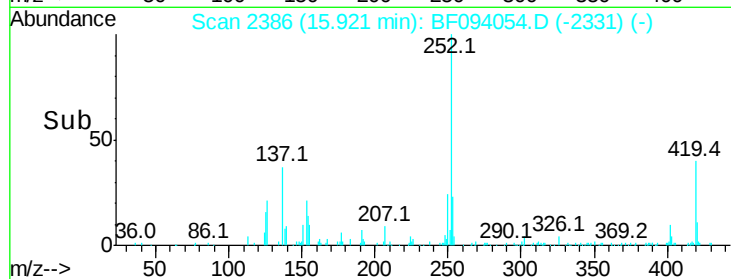
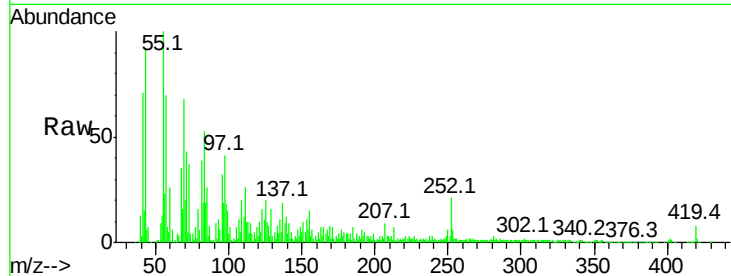
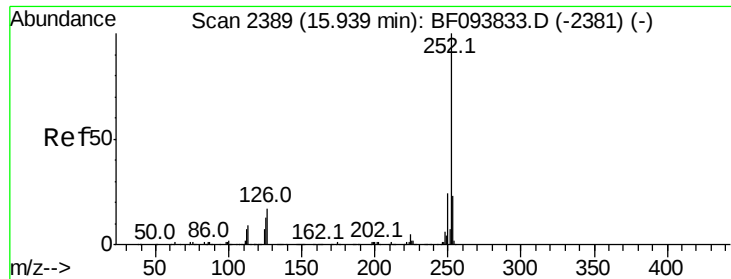
mohammad
3/30/2017 2:32:42 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.33 min Scan# 2456
Delta R.T. 0.02 min
Lab File: BF094054.D
Acq: 30 Mar 2017 9:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	23.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.96 ng m

RT: 15.92 min Scan# 2386

Delta R.T. 0.02 min

Lab File: BF094054.D

Acq: 30 Mar 2017 9:29

Instrument :

BNA_F

ClientSampleId :

E2-AA9-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	94.2	9.8	14.8#

Manual Integrations
APPROVED

mohammad
3/30/2017 2:32:42 PM

