

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094155.D
 Acq On : 4 Apr 2017 8:29
 Operator : SJ/MA
 Sample : I2510-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-ESW

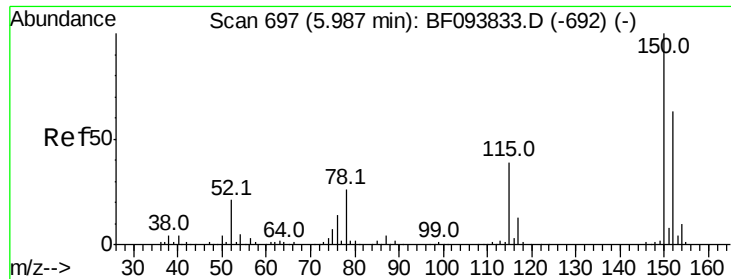
Manual Integrations
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Quant Time: Apr 04 08:52:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	165952	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	619166	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	237186	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	351516	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	298859	20.00	ng	-0.01
86) Perylene-d12	16.25	264	210441	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	892490	90.83	ng	0.00
7) Phenol-d6	5.50	99	1113829	91.64	ng	-0.01
23) Nitrobenzene-d5	6.53	82	618165	56.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	157485	84.02	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1120465	72.05	ng	-0.02
78) Terphenyl-d14	13.34	244	703946	52.80	ng	-0.01
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	5.59	93	56498	5.23	ng	97
14) 1,2-Dichlorobenzene	6.08	146	26546	2.35	ng	98
31) Naphthalene	7.42	128	168301	5.65	ng	98
48) Acenaphthylene	9.36	152	203090	8.16	ng	98
49) Dimethylphthalate	9.21	163	118479	7.03	ng	100
51) Acenaphthene	9.57	154	34353	2.37	ng	95
70) Phenanthrene	11.39	178	231088	11.82	ng	98
71) Anthracene	11.45	178	116298	5.78	ng	99
74) Fluoranthene	12.86	202	631452	31.54	ng	99
77) Pyrene	13.13	202	1073695	49.50	ng	100
80) Benzo(a)anthracene	14.60	228	395326m	22.68	ng	
82) Chrysene	14.64	228	384050	23.75	ng	98
85) Indeno(1,2,3-cd)pyrene	17.60	276	277159	19.79	ng	95
87) Benzo(b)fluoranthene	15.84	252	559032m	43.34	ng	
88) Benzo(k)fluoranthene	15.87	252	141858m	11.24	ng	
89) Benzo(a)pyrene	16.19	252	477998	40.24	ng	97
90) Dibenzo(a,h)anthracene	17.60	278	52171m	5.19	ng	
91) Benzo(g,h,i)perylene	18.00	276	392189	38.68	ng	98

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



#1

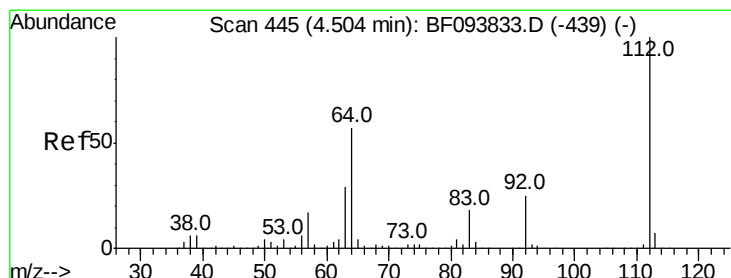
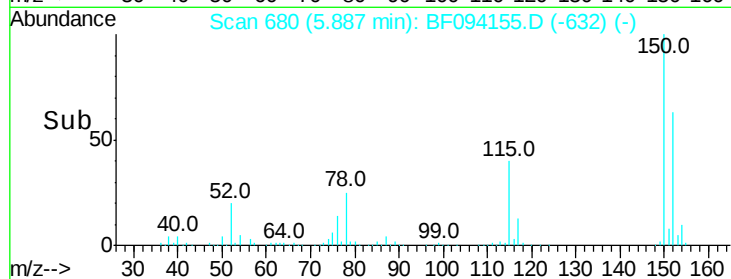
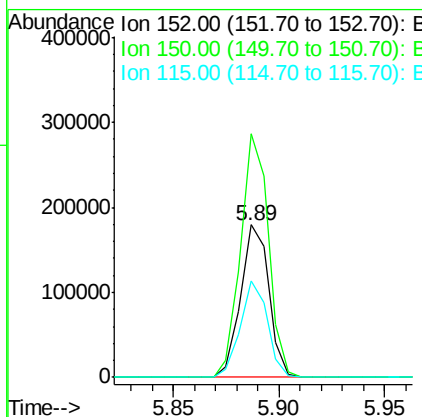
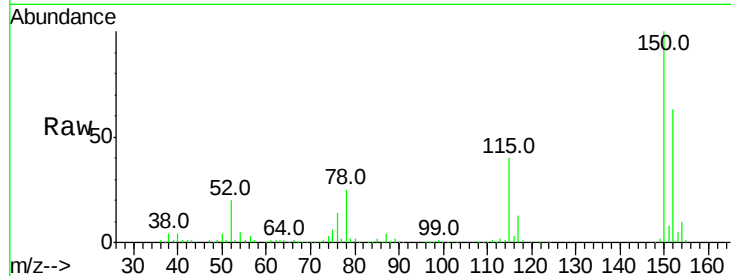
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.89 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.2	189.2
115	63.5	52.2	78.2

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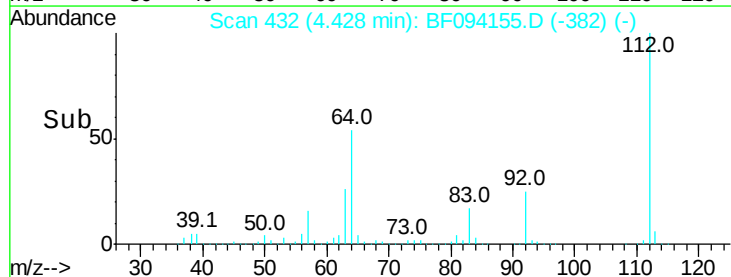
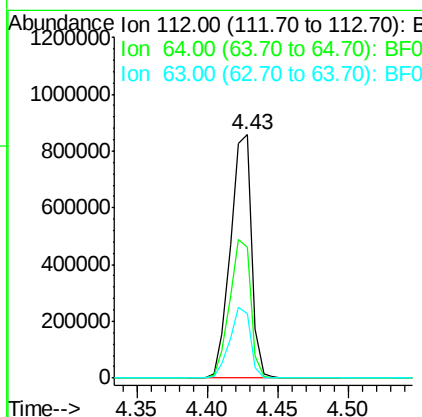
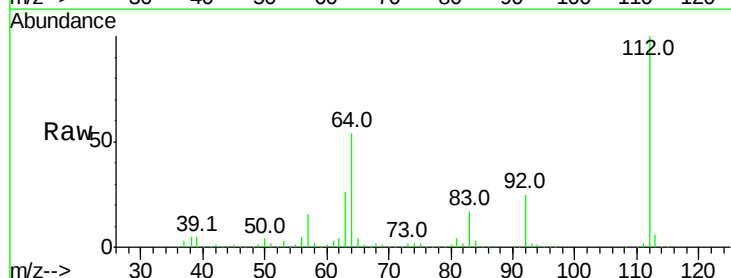
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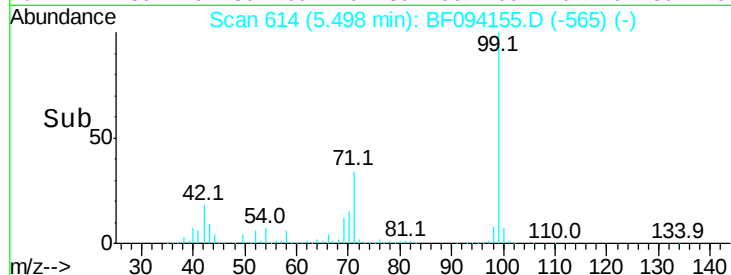
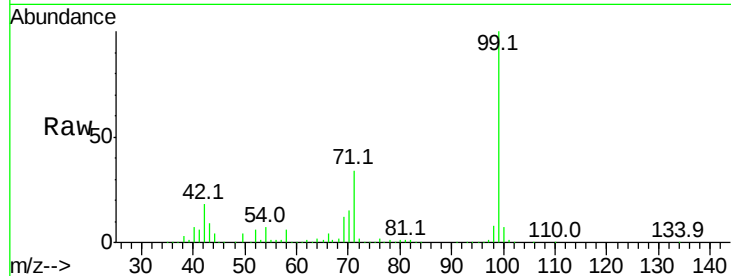
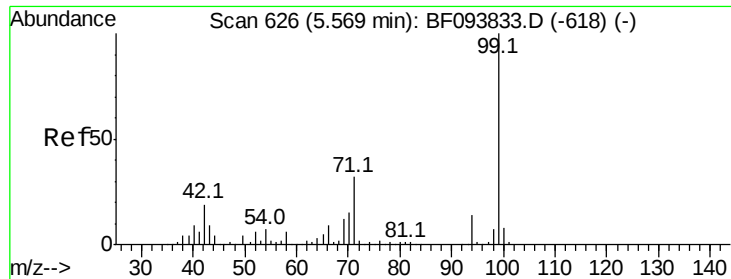


#5

2-Fluorophenol
 Concen: 90.83 ng
 RT: 4.43 min Scan# 432
 Delta R.T. -0.01 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	26.5	23.4	35.0





#7

Phenol-d6

Concen: 91.64 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Tot Ion: 99 Resp: 1113829

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

71 33.5 24.5 36.7

Instrument :

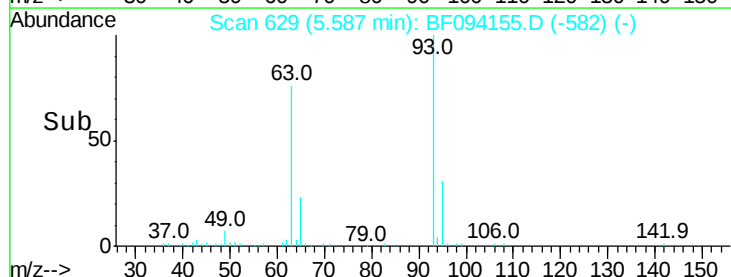
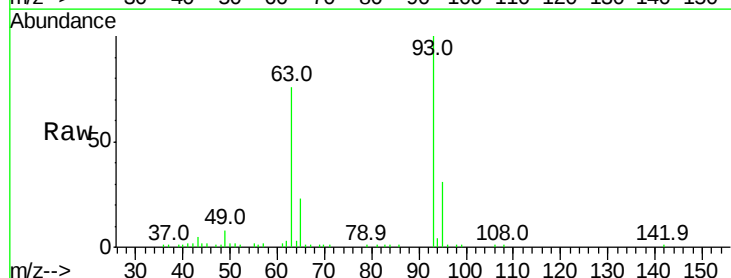
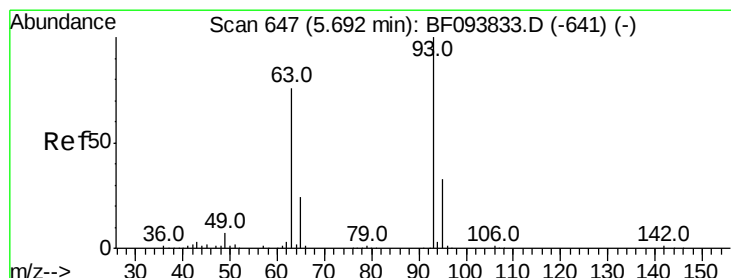
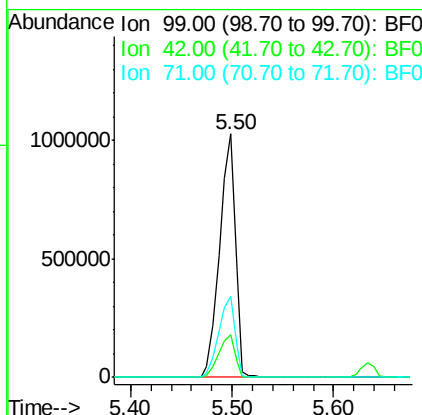
BNA_F

ClientSampled :

E2-N11-ESW

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#11

bis(2-Chloroethyl)ether

Concen: 5.23 ng

RT: 5.59 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

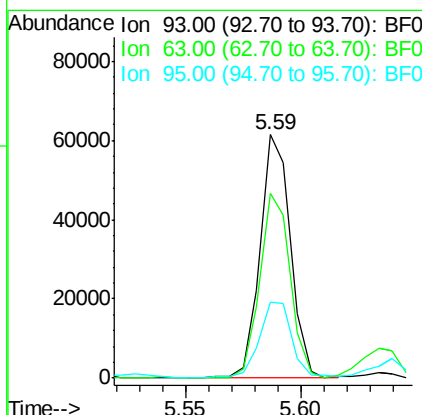
Tgt Ion: 93 Resp: 56498

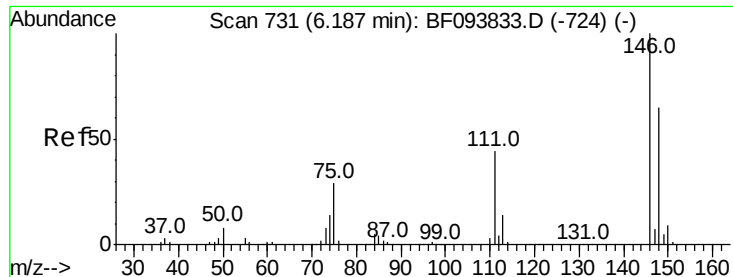
Ion Ratio Lower Upper

93 100

63 76.1 59.2 99.2

95 31.5 12.8 52.8





#14

1,2-Dichlorobenzene

Concen: 2.35 ng

RT: 6.08 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Instrument :

BNA_F

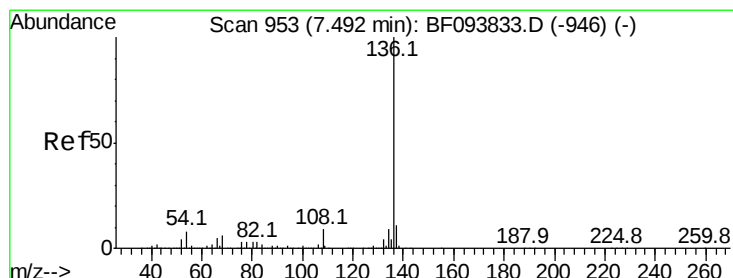
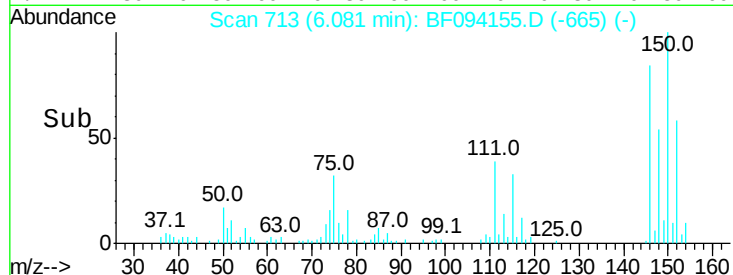
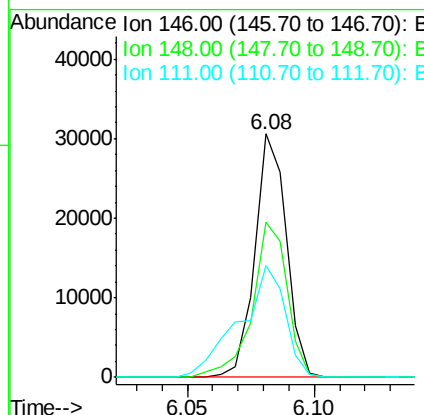
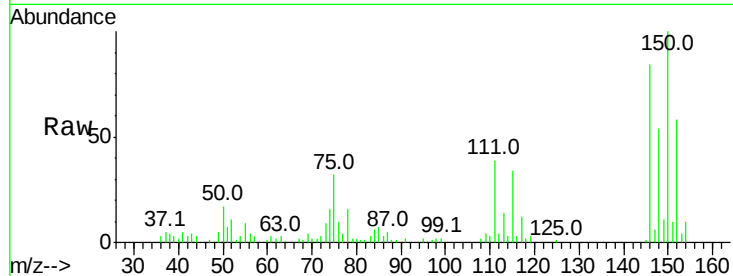
ClientSampleId :

E2-N11-ESW

Tot Ion:	146	Resp:	26546
Ion Ratio	Lower	Upper	
146	100		
148	63.9	50.4	75.6
111	46.1	38.2	57.4

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#21

Naphthalene-d8

Concen: 20.00 ng

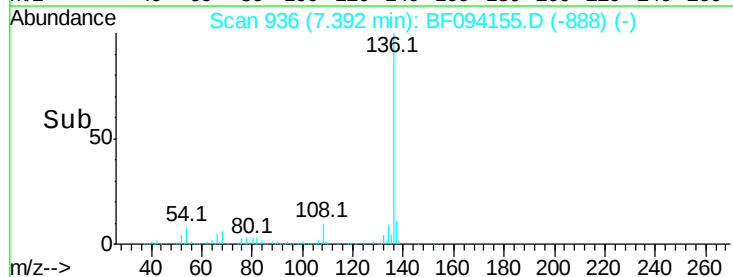
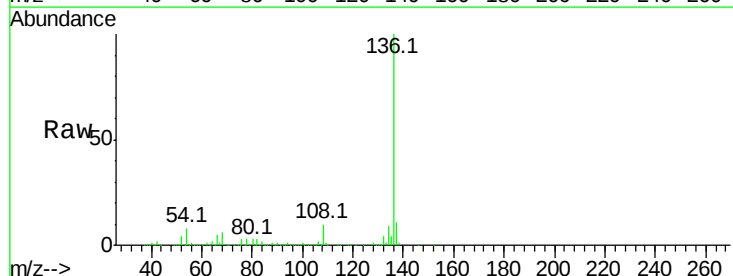
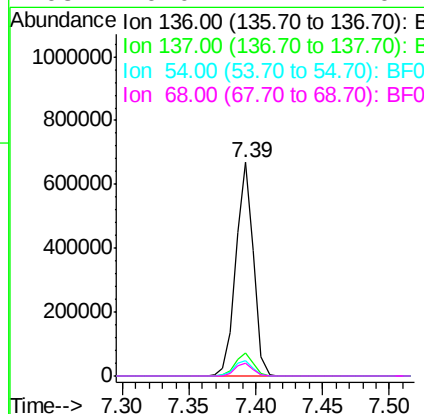
RT: 7.39 min Scan# 936

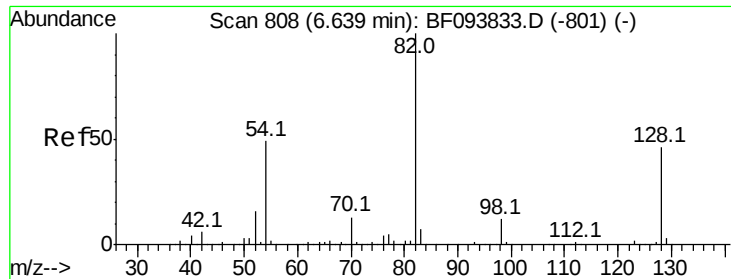
Delta R.T. -0.02 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Tgt Ion:	136	Resp:	619166
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.5	4.9	7.3#
68	6.0	4.1	6.1





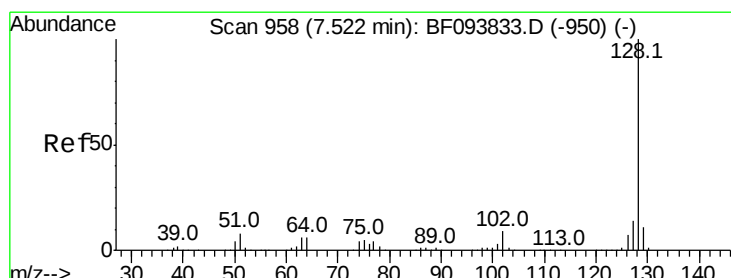
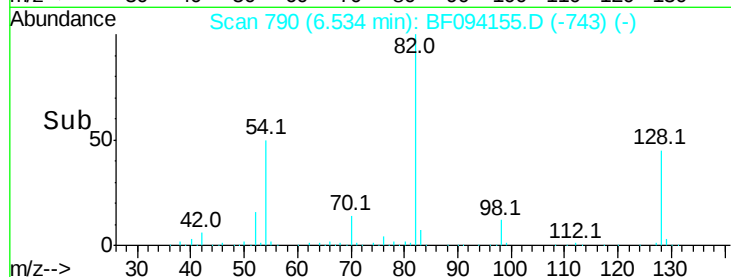
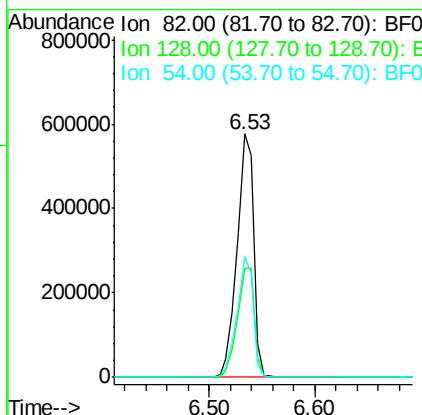
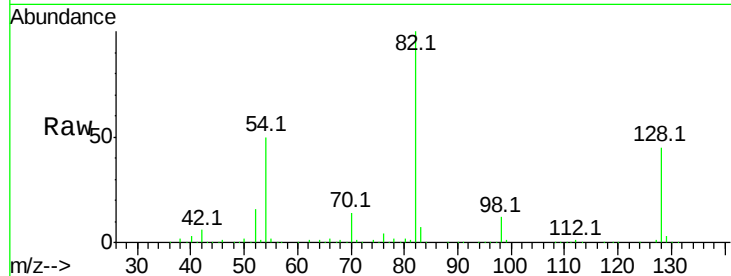
#23
Nitrobenzene-d5
Concen: 56.98 ng
RT: 6.53 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	34.0	51.0	
54	49.7	42.2	63.2	

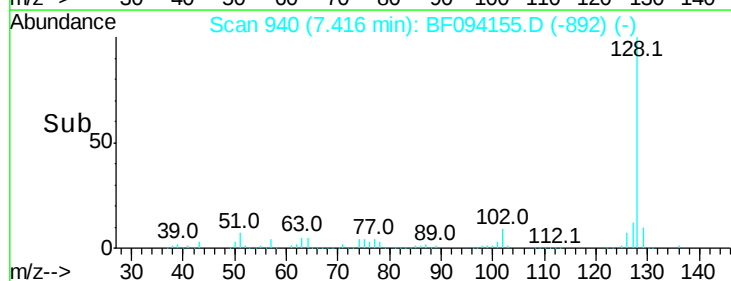
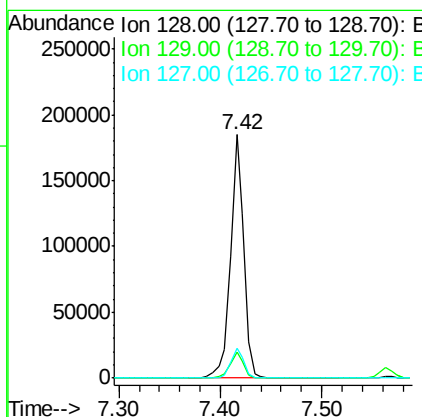
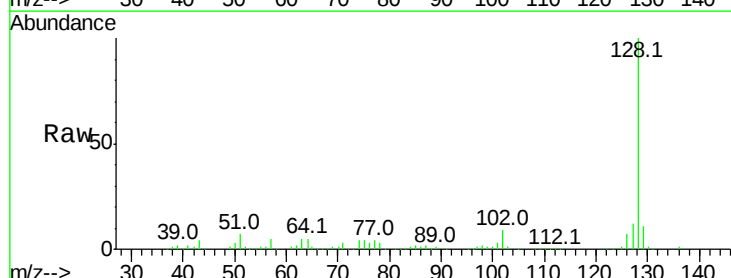
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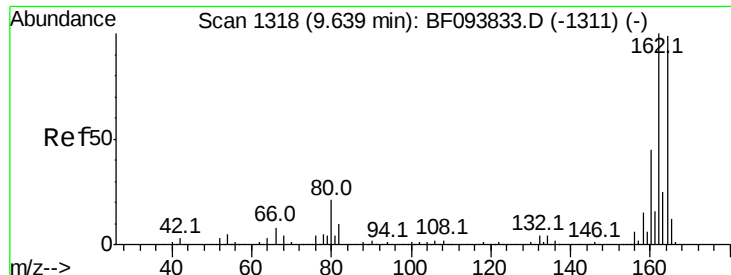
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#31
Naphthalene
Concen: 5.65 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	9.0	13.6	
127	12.3	10.8	16.2	





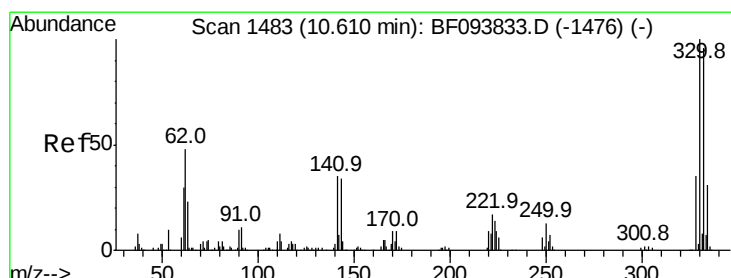
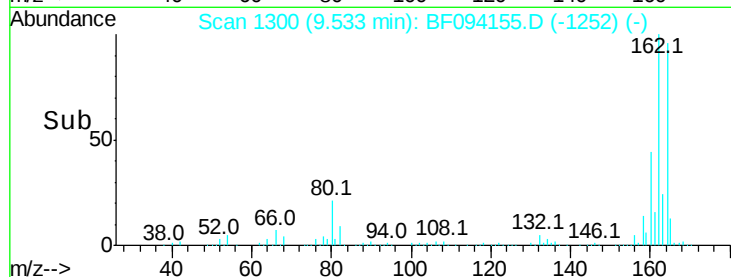
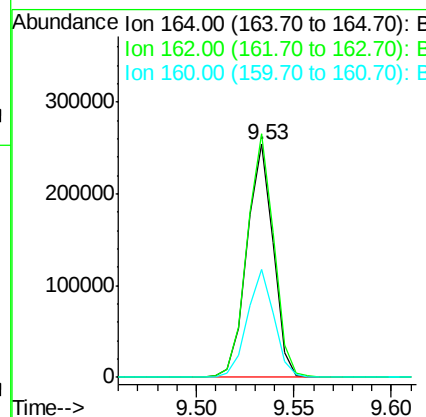
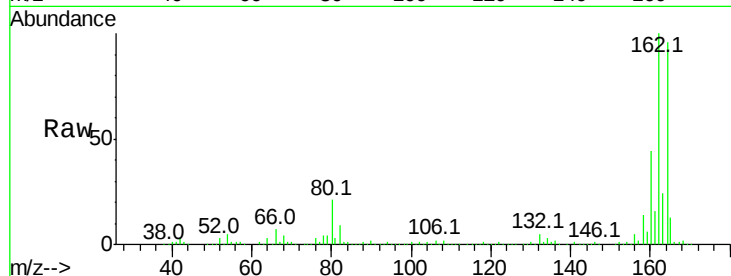
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.4	82.6	123.8	
160	46.4	36.2	54.2	

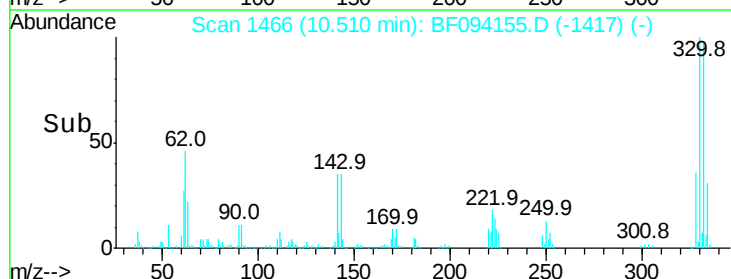
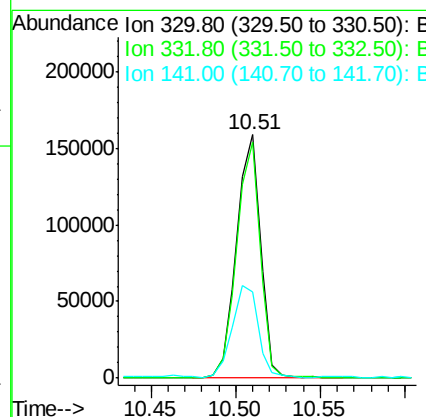
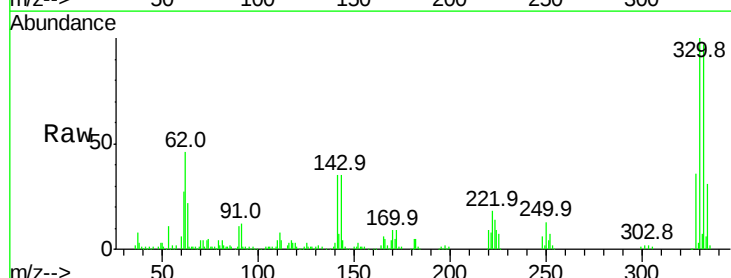
Manual Integrations
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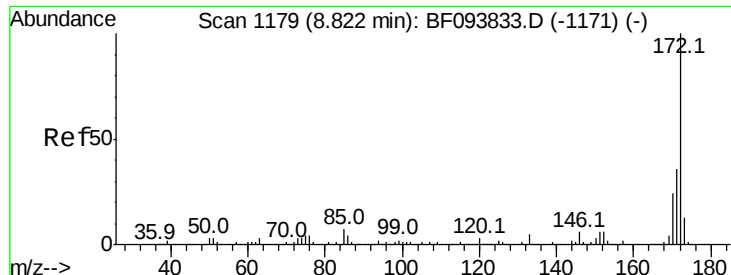
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#41
 2,4,6-Tribromophenol
 Concen: 84.02 ng
 RT: 10.51 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.6	115.0	
141	40.0	31.4	47.2	





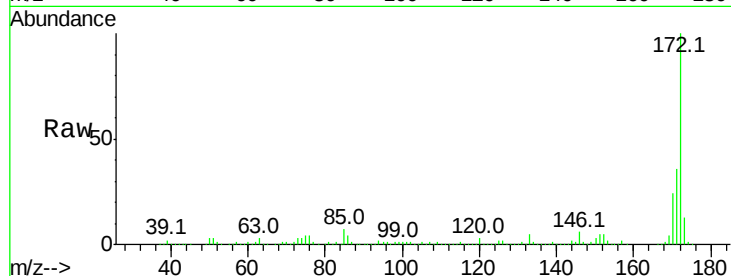
#44
2-Fluorobiphenyl
Concen: 72.05 ng
RT: 8.72 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.9	19.8	29.8

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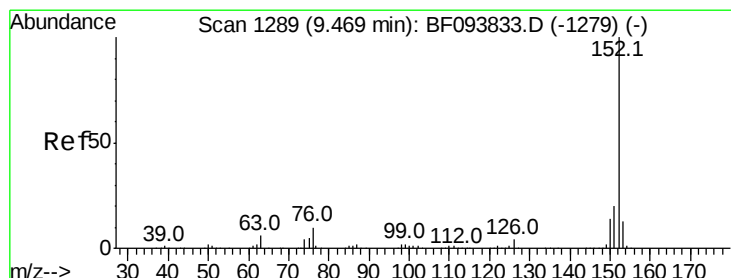
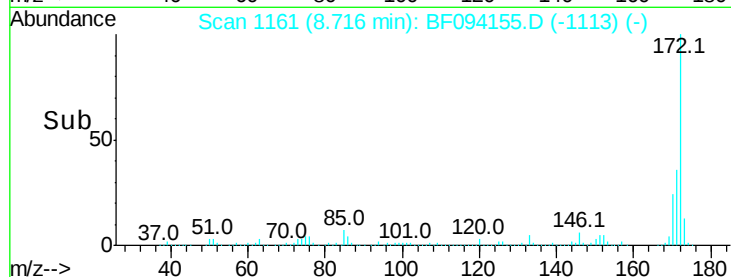
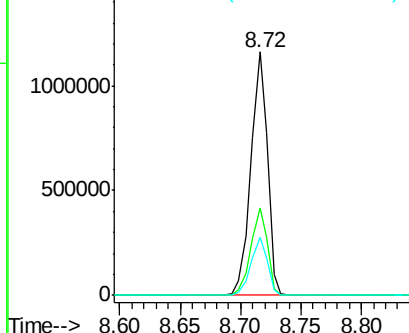


Abundance

Ion 172.00 (171.70 to 172.70): E

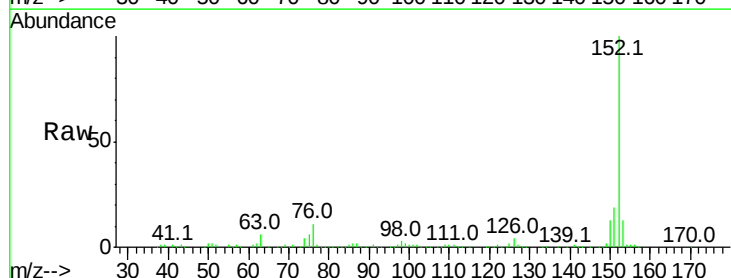
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48
Acenaphthylene
Concen: 8.16 ng
RT: 9.36 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	13.2	10.8	16.2

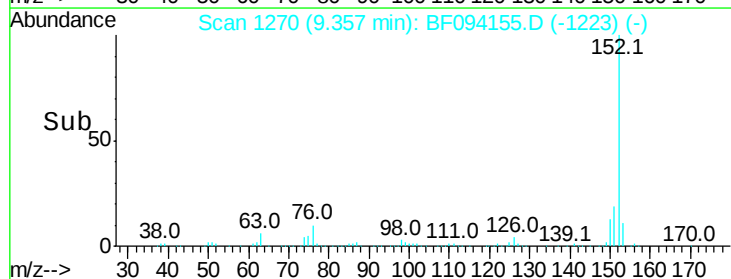
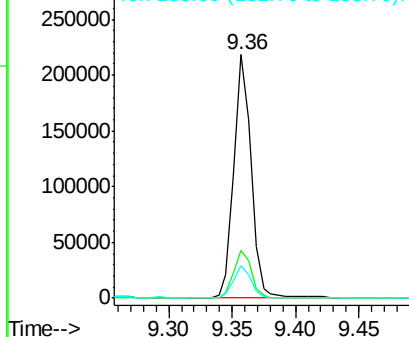


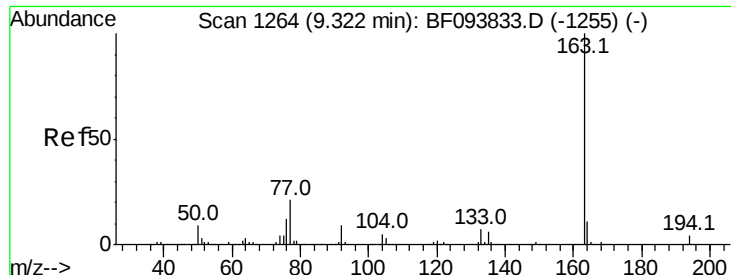
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





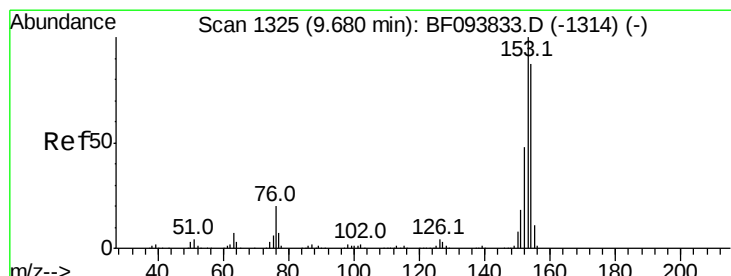
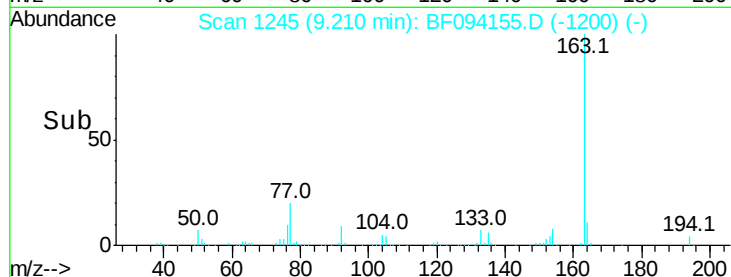
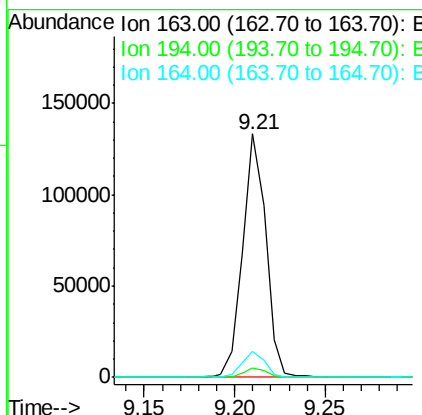
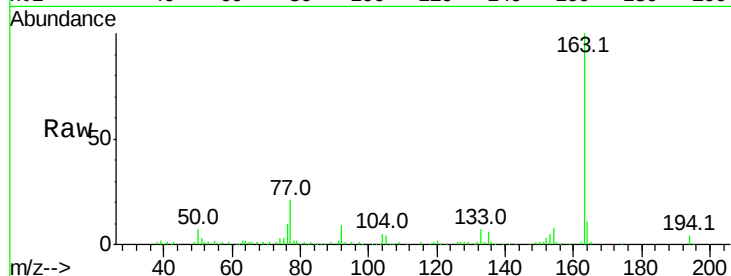
#49
Dimethylphthalate
Concen: 7.03 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.6	4.0	
164	10.6	8.4	12.6	

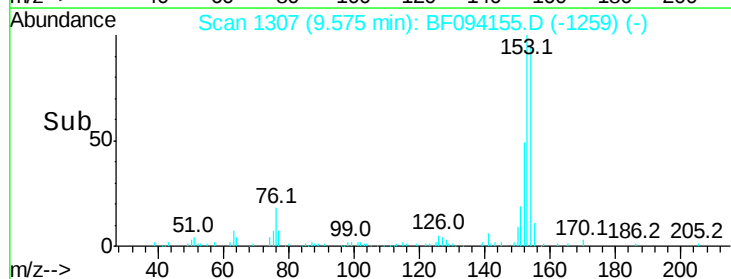
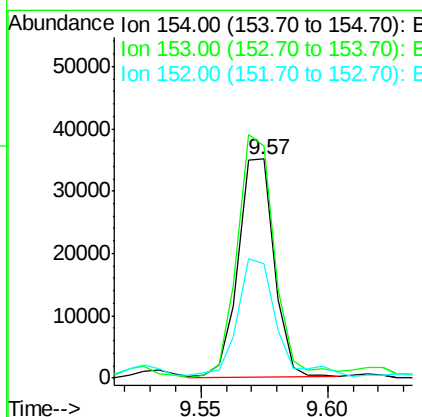
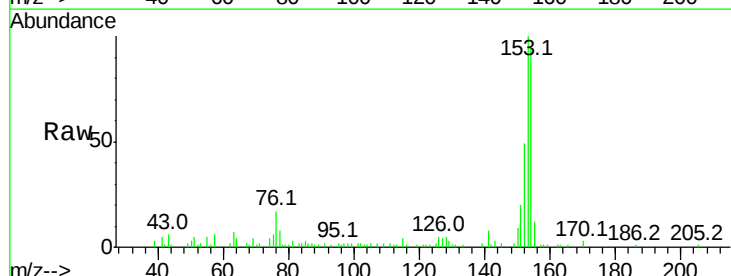
Manual Integrations
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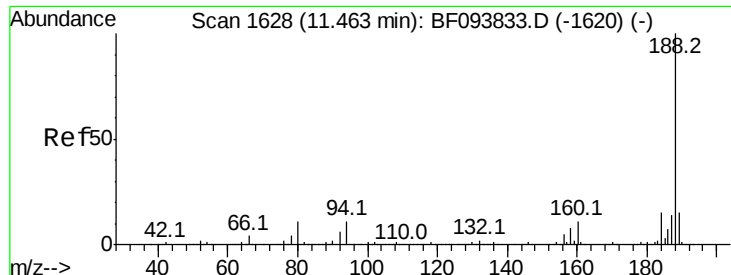
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#51
Acenaphthene
Concen: 2.37 ng
RT: 9.57 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	106.4	90.5	135.7	
152	52.1	43.6	65.4	





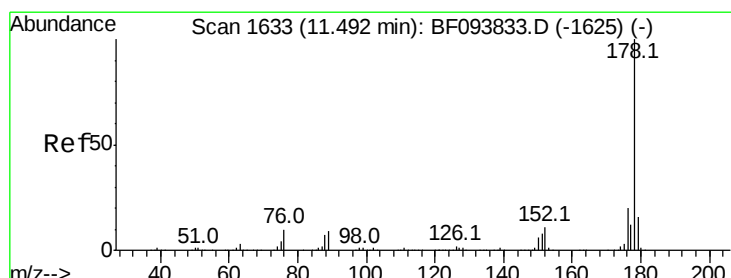
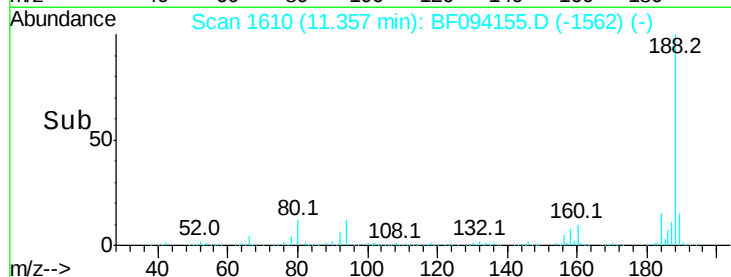
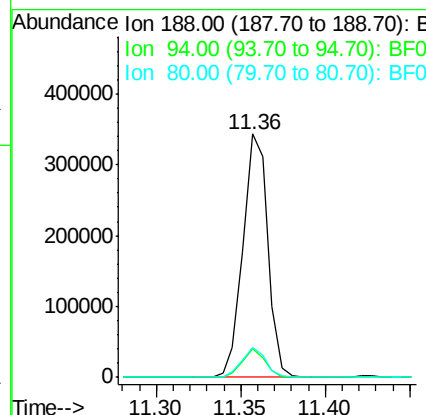
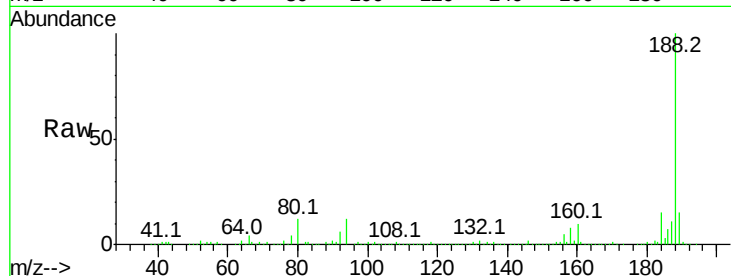
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.9	9.4	14.2	
80	12.2	10.2	15.2	

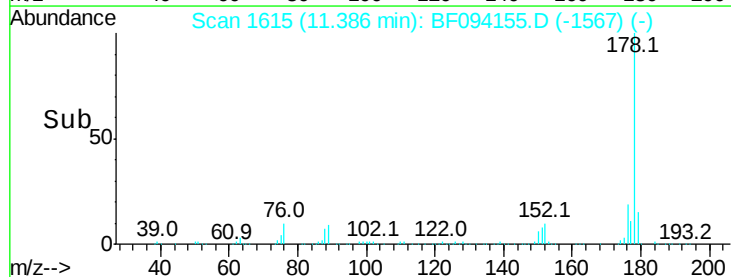
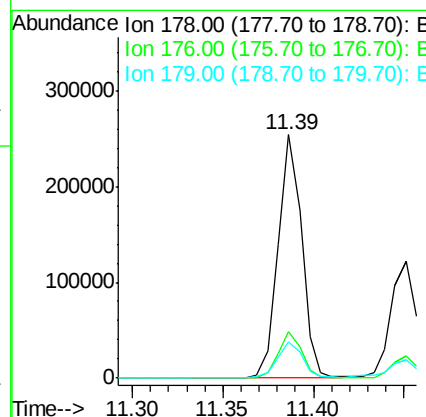
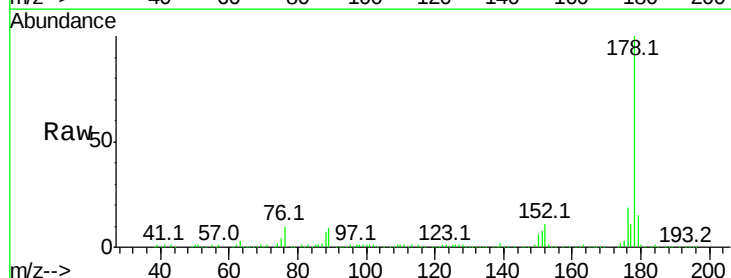
Manual Integrations
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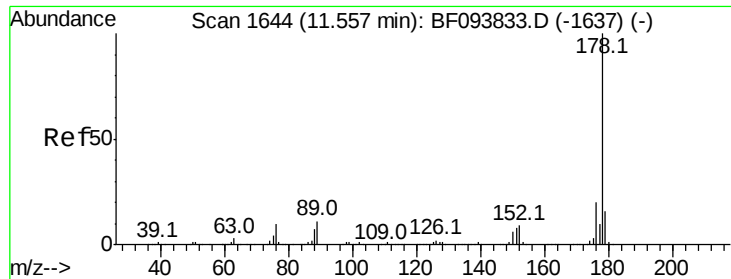
mohammad
4/4/2017 5:35:23 PM



#70
Phenanthrene
Concen: 11.82 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.0	16.2	24.4	
179	15.1	12.6	19.0	





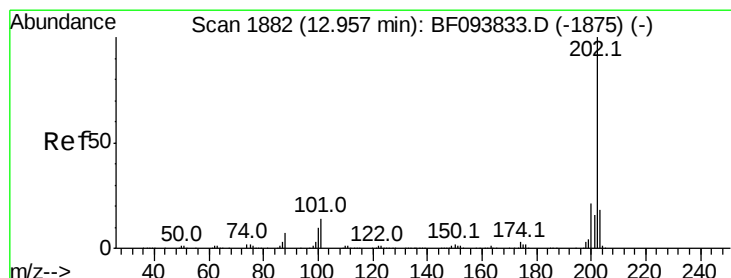
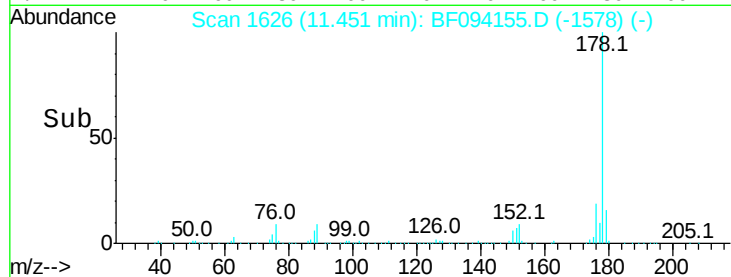
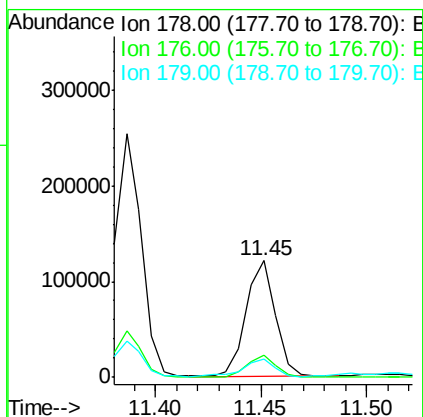
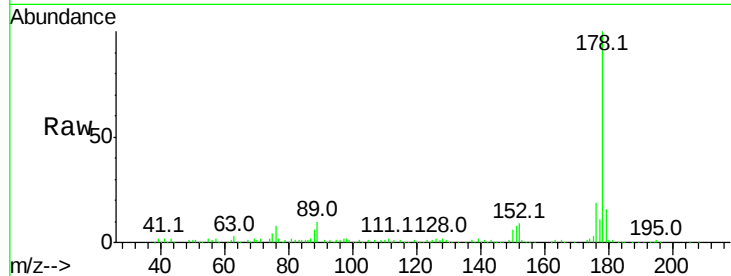
#71
 Anthracene
 Concen: 5.78 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.0	12.7	19.1

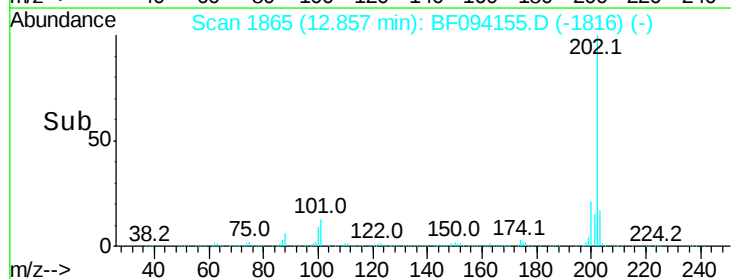
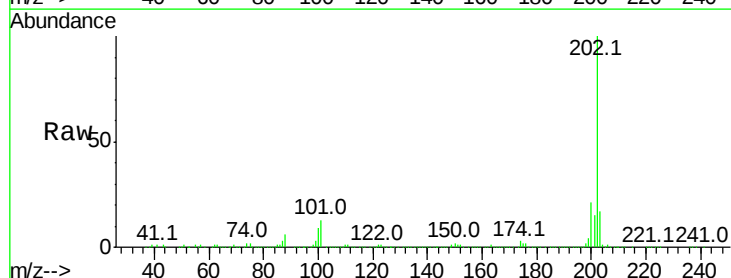
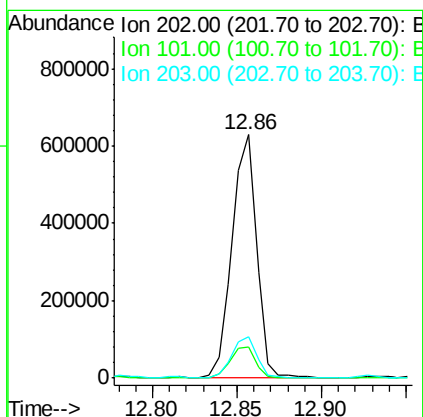
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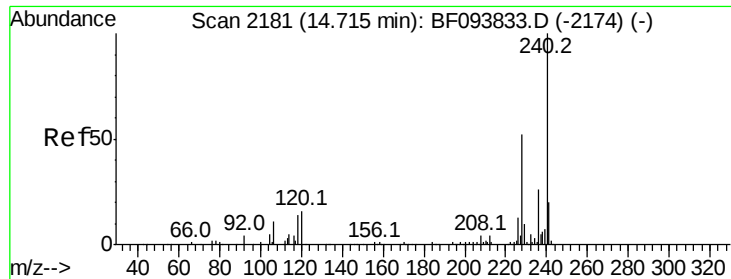
mohammad
 4/4/2017 5:35:23 PM



#74
 Fluoranthene
 Concen: 31.54 ng
 RT: 12.86 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Instrument :

BNA_F

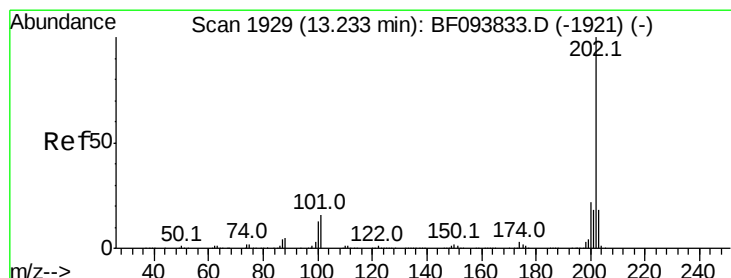
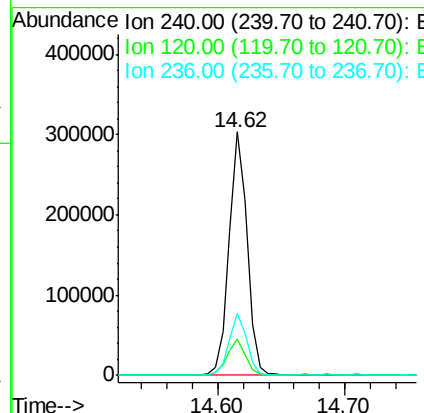
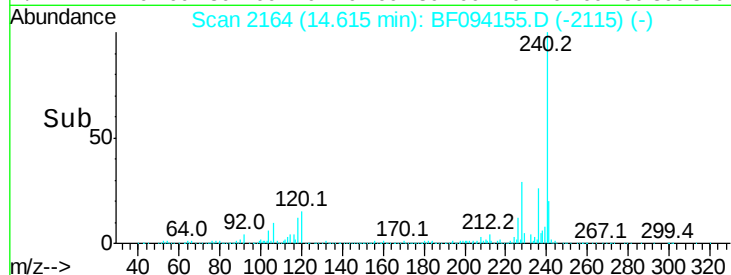
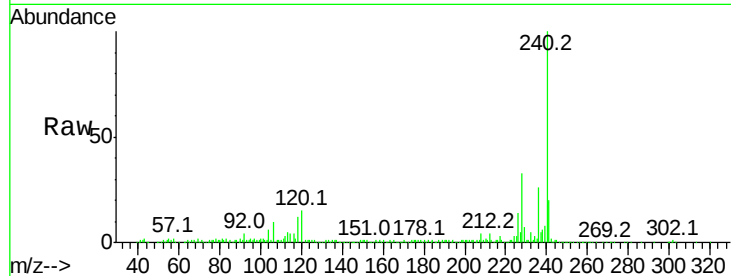
ClientSampleId :

E2-N11-ESW

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.6	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 49.50 ng

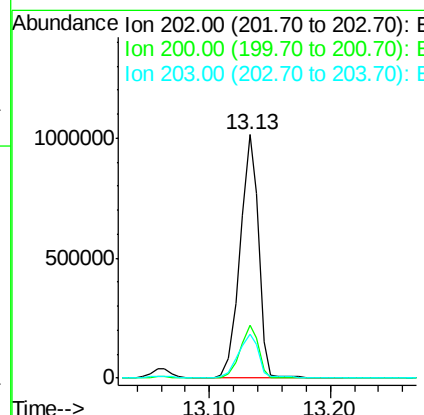
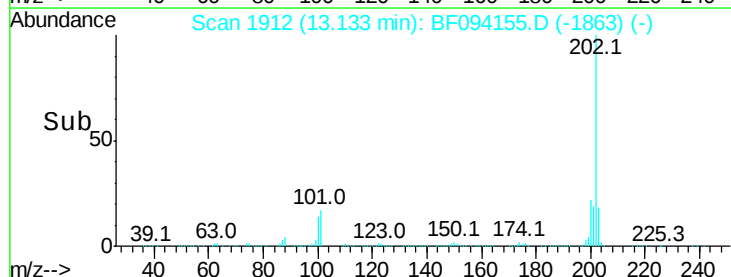
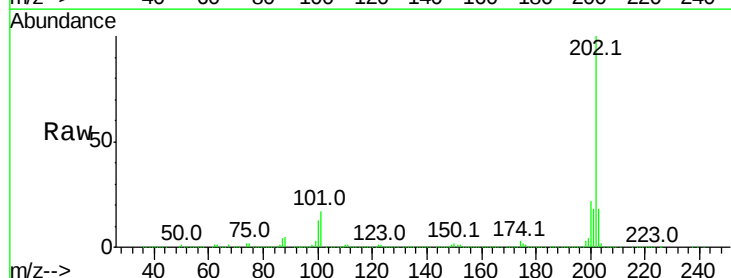
RT: 13.13 min Scan# 1912

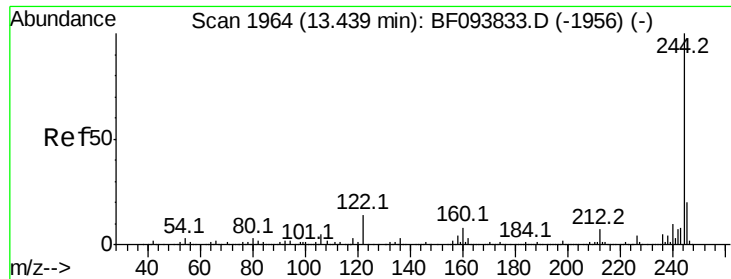
Delta R.T. -0.01 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.1	14.4	21.6





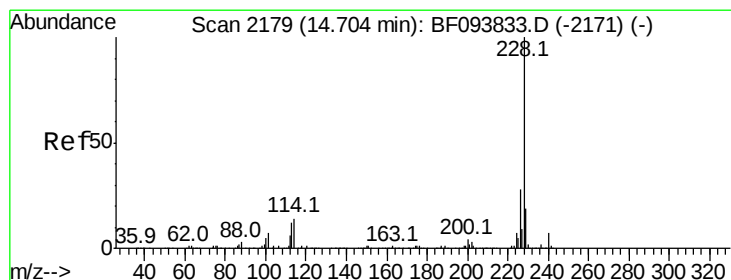
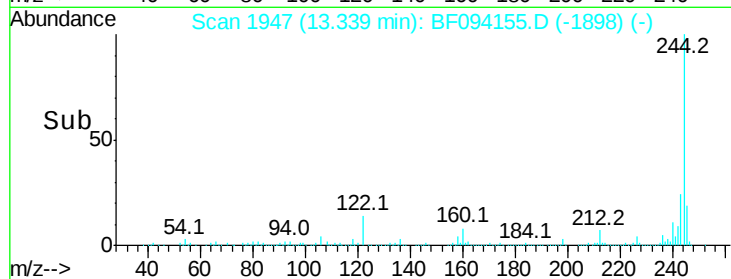
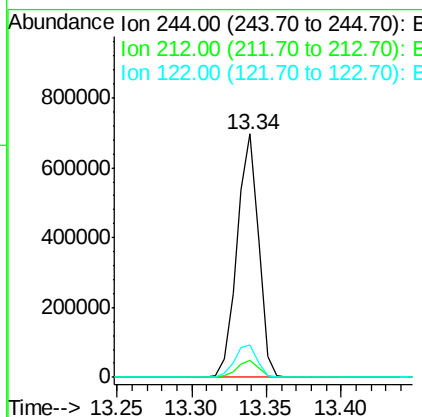
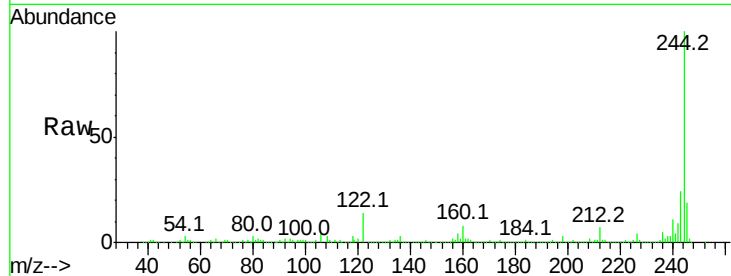
#78
 Terphenyl-d14
 Concen: 52.80 ng
 RT: 13.34 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	13.6	10.3	15.5	

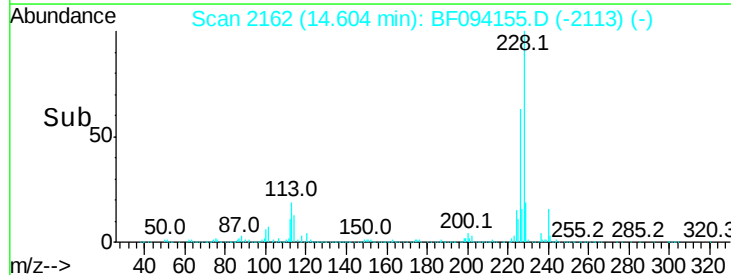
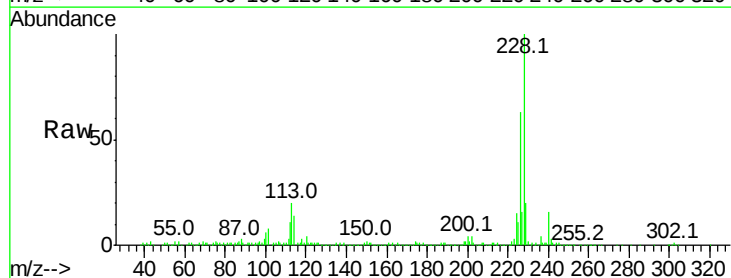
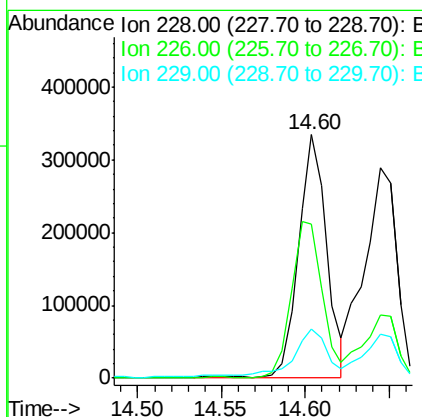
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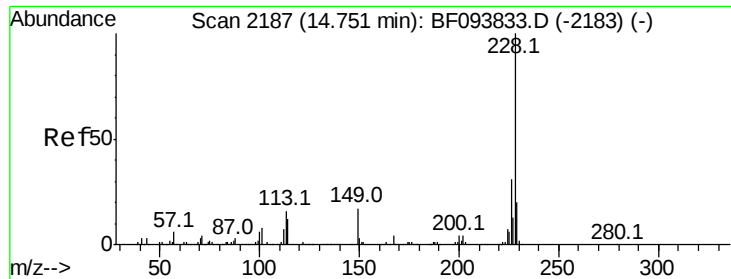
mohammad
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#80
 Benzo(a)anthracene
 Concen: 22.68 ng m
 RT: 14.60 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: BF094155.D
 Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	63.1	22.6	33.8#	
229	20.4	16.3	24.5	





#82

Chrysene

Concen: 23.75 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Instrument :

BNA_F

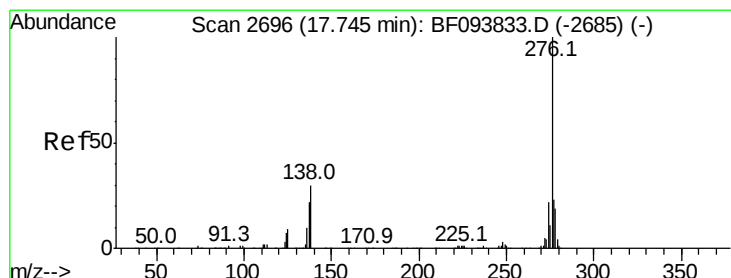
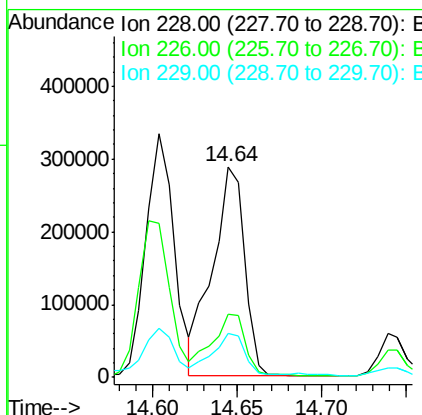
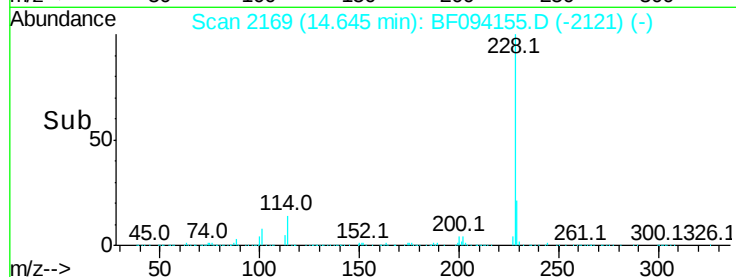
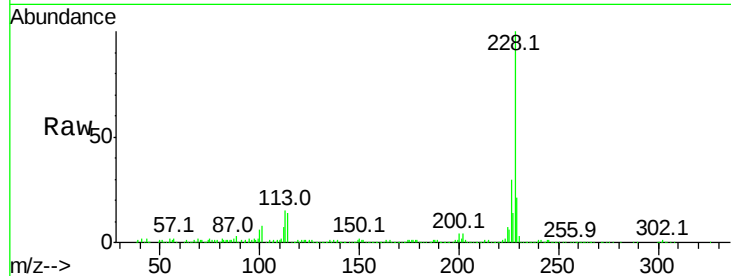
ClientSampleId :

E2-N11-ESW

Tot Ion:	228	Resp:	384050
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	20.8	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.79 ng

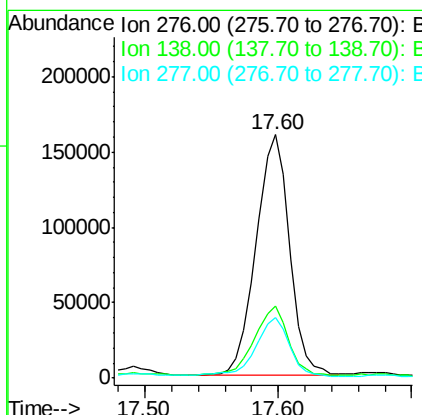
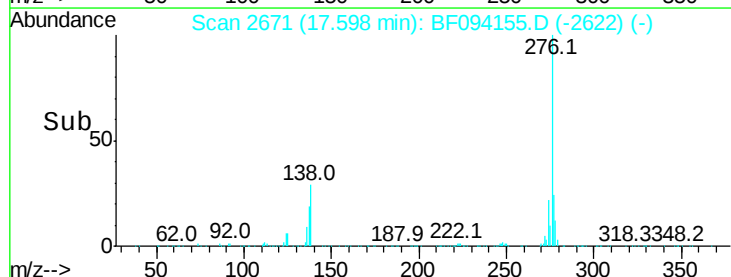
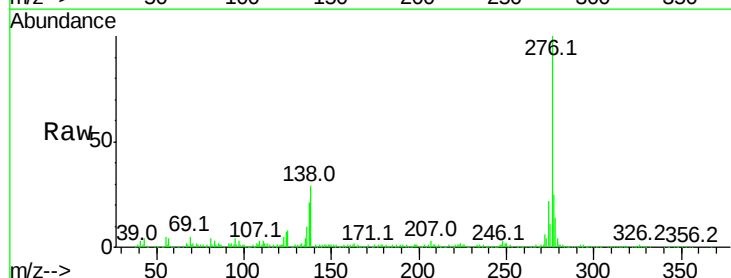
RT: 17.60 min Scan# 2671

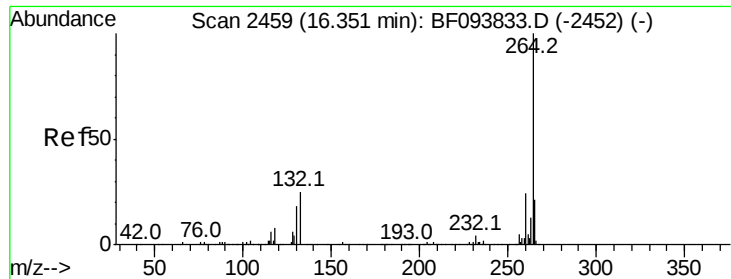
Delta R.T. -0.01 min

Lab File: BF094155.D

Acq: 4 Apr 2017 8:29

Tgt Ion:	276	Resp:	277159
Ion Ratio	Lower	Upper	
276	100		
138	29.6	27.8	41.6
277	25.5	20.2	30.4





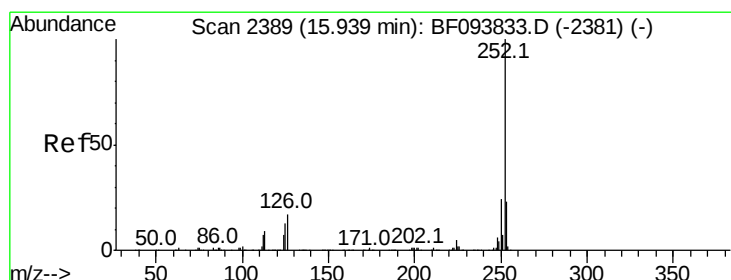
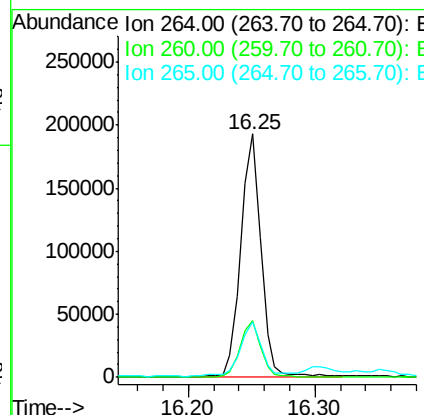
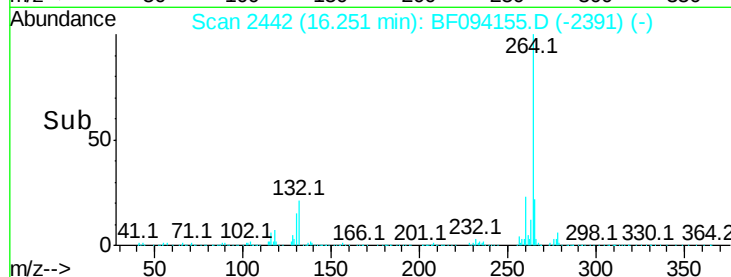
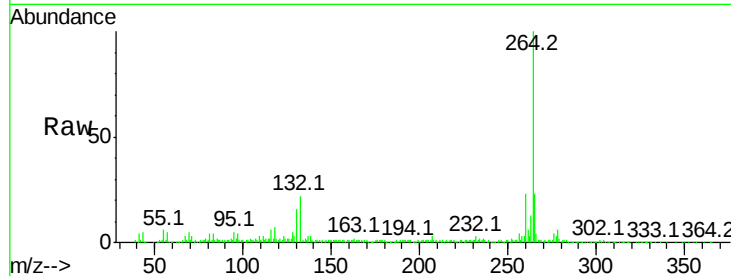
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.9	17.2	25.8

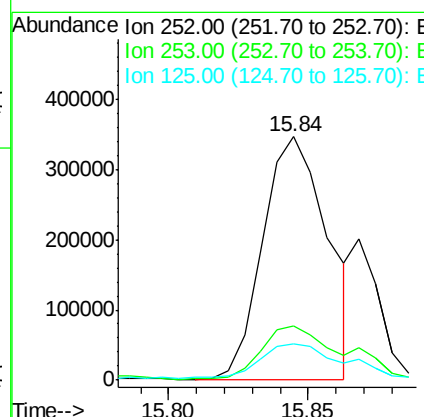
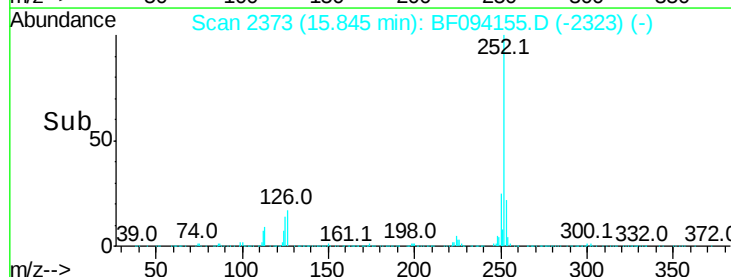
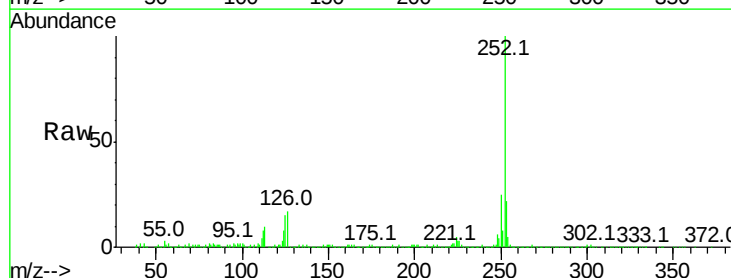
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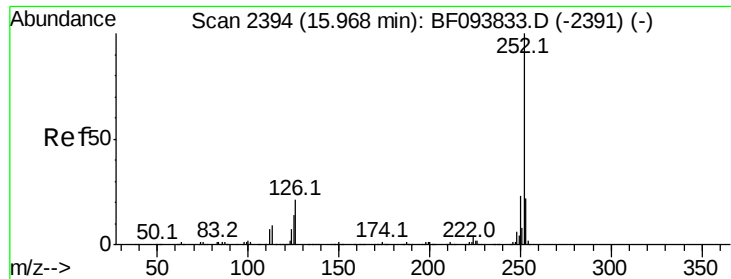
mohammad
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#87
Benzo(b)fluoranthene
Concen: 43.34 ng m
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.8	9.8	14.8#





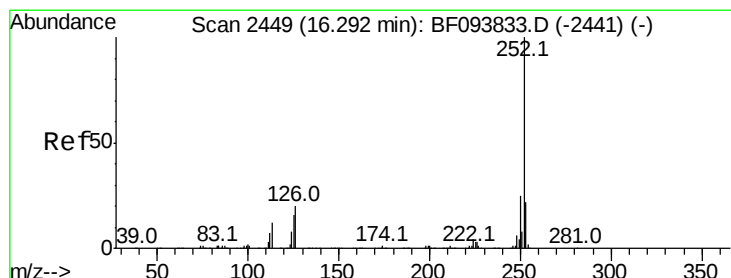
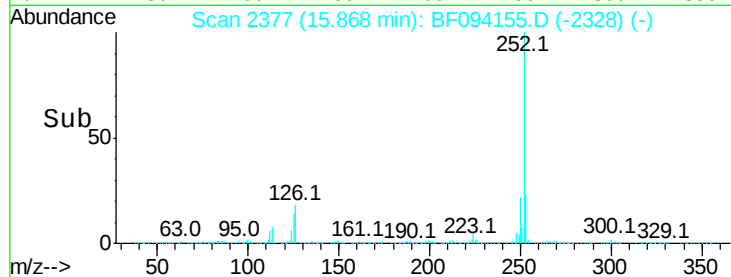
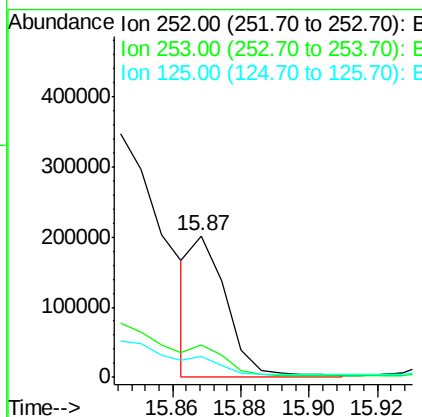
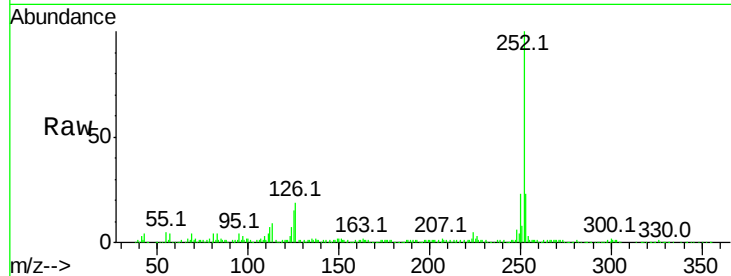
#88
Benzo(k)fluoranthene
Concen: 11.24 ng m
RT: 15.87 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	141858		
253	22.9	18.4	27.6	
125	14.7	13.1	19.7	

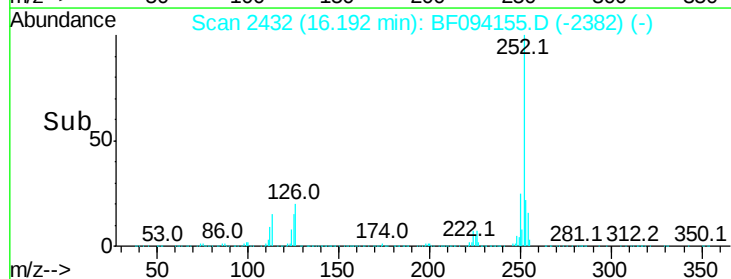
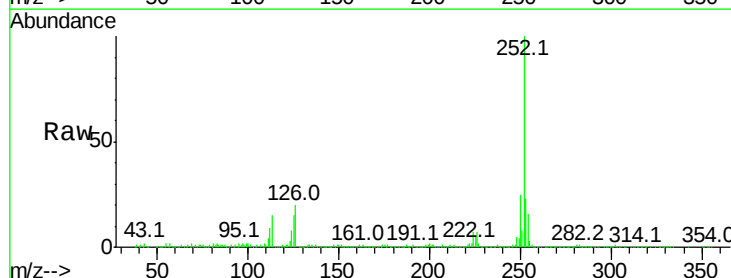
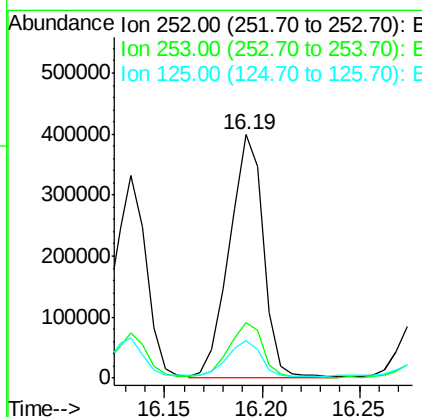
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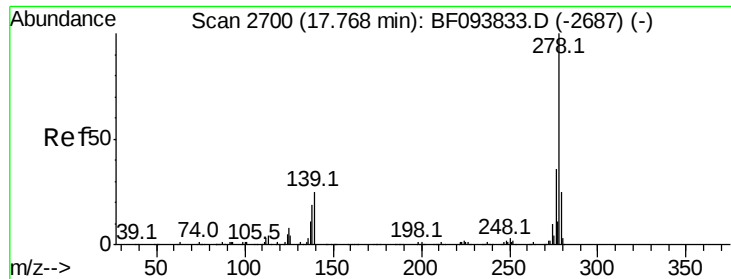
mohammad
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#89
Benzo(a)pyrene
Concen: 40.24 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	477998		
253	22.7	17.5	26.3	
125	15.3	11.0	16.4	





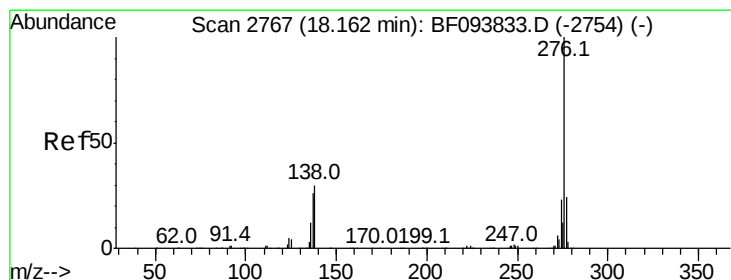
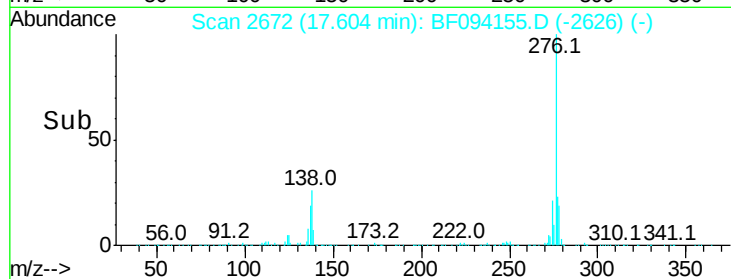
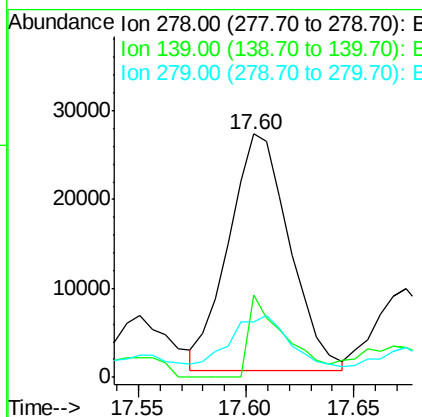
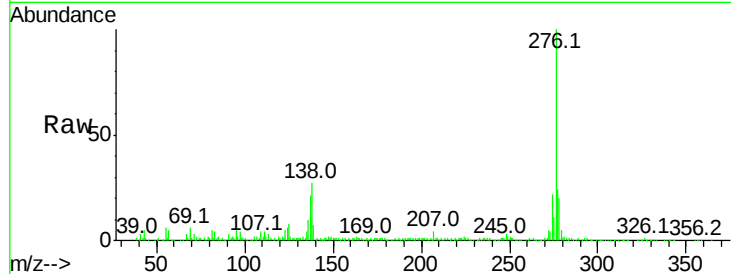
#90
Dibenzo(a,h)anthracene
Concen: 5.19 ng/mL
RT: 17.60 min Scan# 2672
Delta R.T. -0.03 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Instrument :
BNA_F
ClientSampleId :
E2-N11-ESW

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.7	16.6	24.8#
279	23.0	19.3	28.9

Manual Integrations
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4/4/2017 5:35:23 PM



#91
Benzo(g,h,i)perylene
Concen: 38.68 ng/mL
RT: 18.00 min Scan# 2739
Delta R.T. -0.01 min
Lab File: BF094155.D
Acq: 4 Apr 2017 8:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	30.5	25.4	38.0

