

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094153.D
 Acq On : 4 Apr 2017 7:33
 Operator : SJ/MA
 Sample : I2510-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-BASE

Manual Integrations
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Quant Time: Apr 04 07:58:58 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	165234	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	611814	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	235027	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	351481	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	299389	20.00	ng	-0.01
86) Perylene-d12	16.25	264	204044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	999652	102.18	ng	0.00
7) Phenol-d6	5.50	99	1233008	101.88	ng	-0.01
23) Nitrobenzene-d5	6.53	82	659418	61.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	177214	95.42	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1293520	83.95	ng	-0.02
78) Terphenyl-d14	13.34	244	878892	65.80	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.42	128	133372	4.53	ng	99
37) 2-Methylnaphthalene	8.26	142	62649	3.19	ng	96
48) Acenaphthylene	9.36	152	195360	7.92	ng	100
49) Dimethylphthalate	9.21	163	130355	7.80	ng	100
70) Phenanthrene	11.39	178	222664	11.39	ng	98
71) Anthracene	11.45	178	146721	7.29	ng	98
74) Fluoranthene	12.86	202	600477	29.99	ng	98
77) Pyrene	13.13	202	662376	30.49	ng	99
80) Benzo(a)anthracene	14.60	228	343377m	19.67	ng	
82) Chrysene	14.65	228	420993	25.99	ng	97
85) Indeno(1,2,3-cd)pyrene	17.60	276	250364	17.84	ng	94
87) Benzo(b)fluoranthene	15.84	252	566874m	45.32	ng	
88) Benzo(k)fluoranthene	15.87	252	182946m	14.95	ng	
89) Benzo(a)pyrene	16.19	252	317310	27.55	ng	# 95
90) Dibenzo(a,h)anthracene	17.62	278	53428	5.48	ng	# 86
91) Benzo(g,h,i)perylene	18.00	276	257324	26.18	ng	97

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

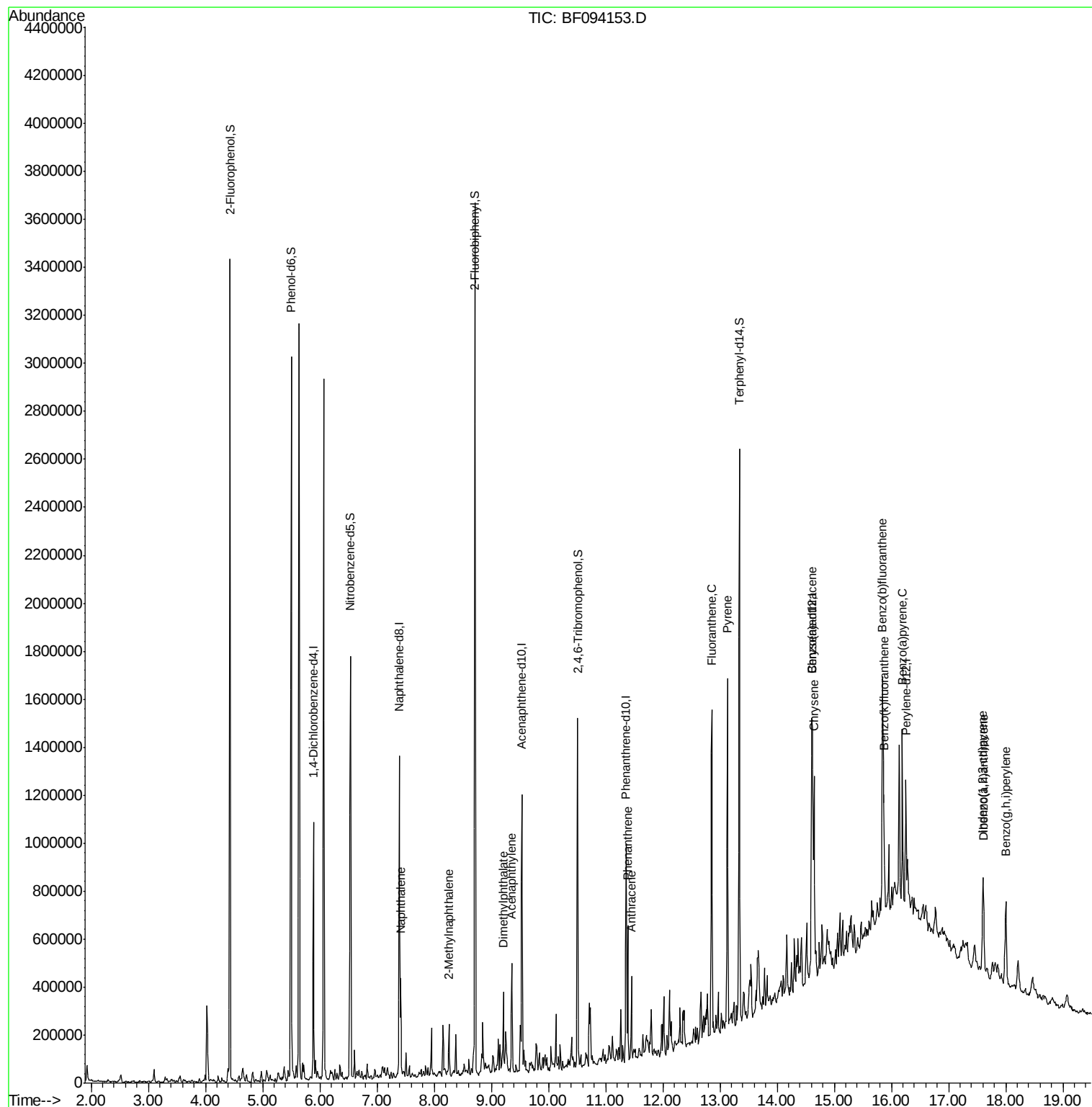
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#1

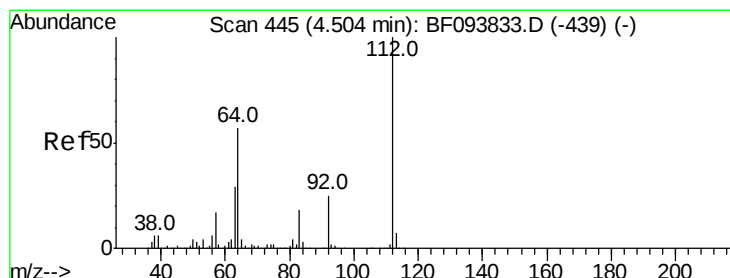
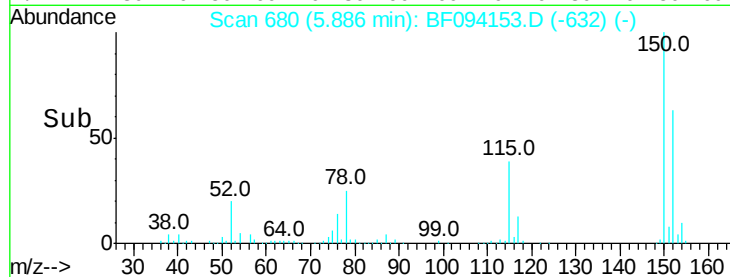
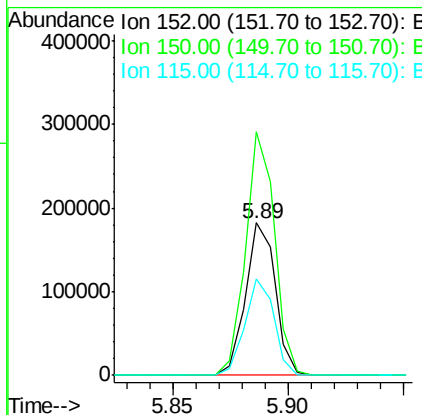
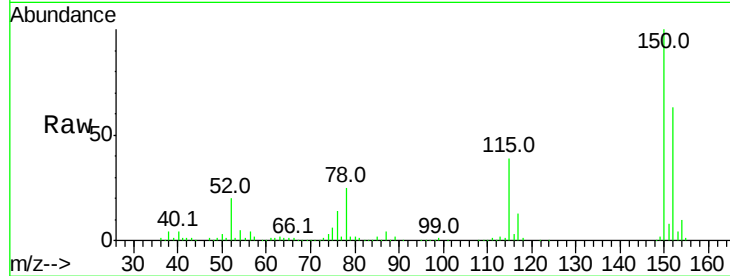
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094153.D
Acq: 4 Apr 2017 7:33

Instrument :
BNA_F
ClientSampleId :
E2-N11-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	63.1	52.2	78.2

Manual Integrations
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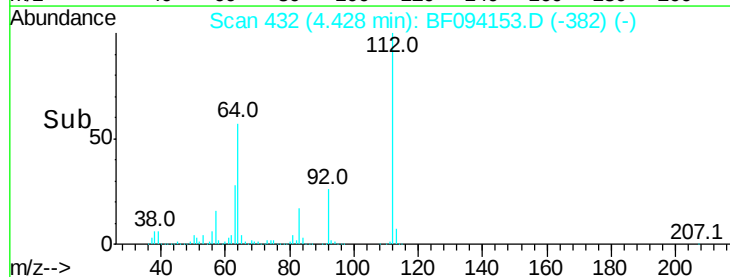
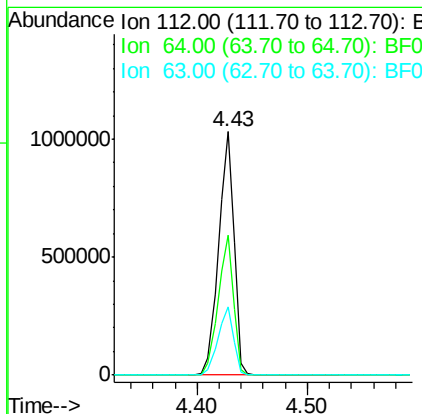
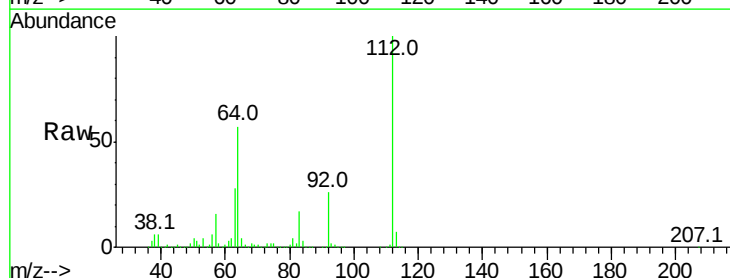
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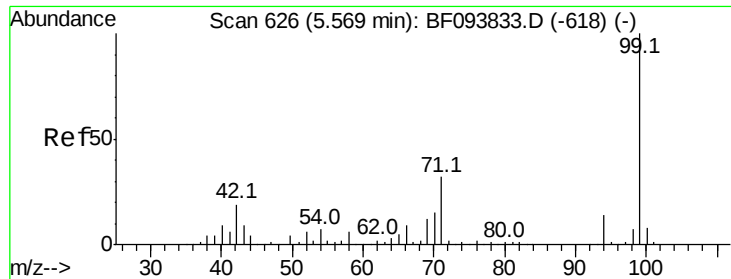


#5

2-Fluorophenol
Concen: 102.18 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094153.D
Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.0	69.0
63	28.2	23.4	35.0





#7

Phenol-d6

Concen: 101.88 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

ClientSampleId :

E2-N11-BASE

Tot Ion: 99 Resp: 1233008

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

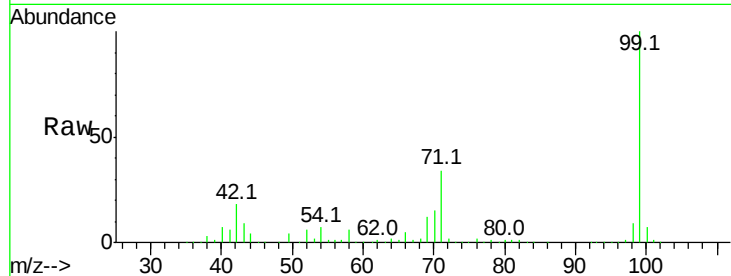
71 34.4 24.5 36.7

Manual Integrations

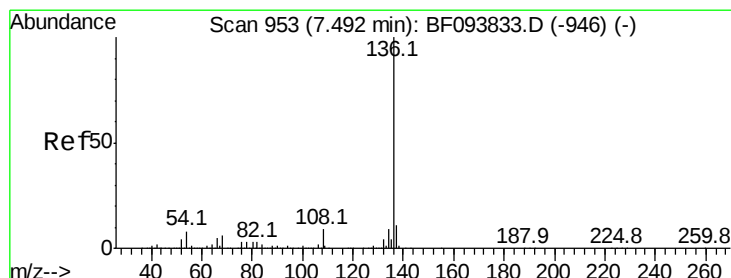
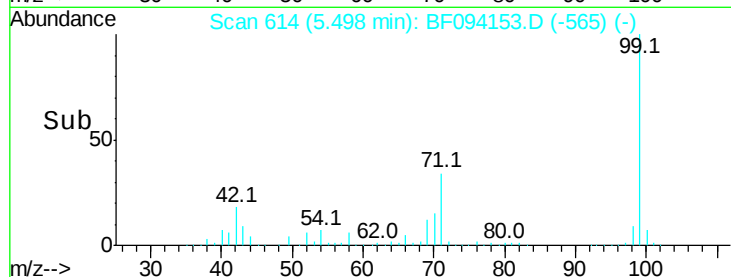
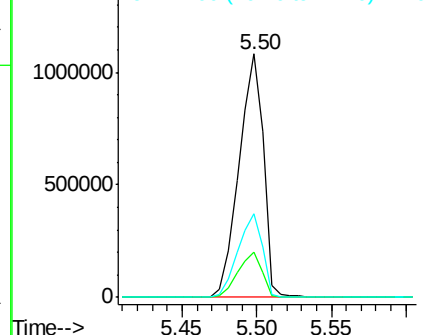
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Tgt Ion: 136 Resp: 611814

Ion Ratio Lower Upper

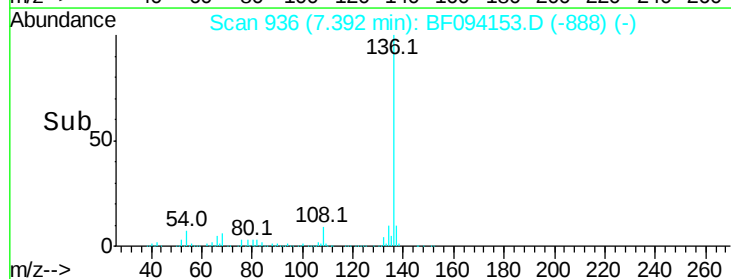
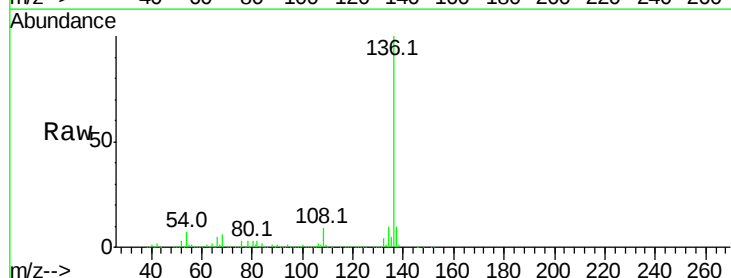
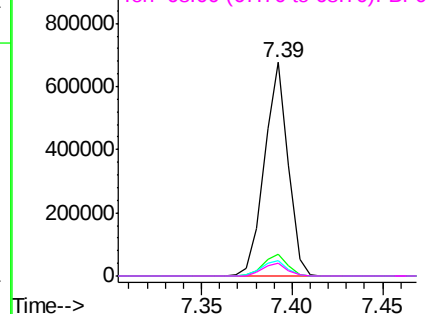
136 100

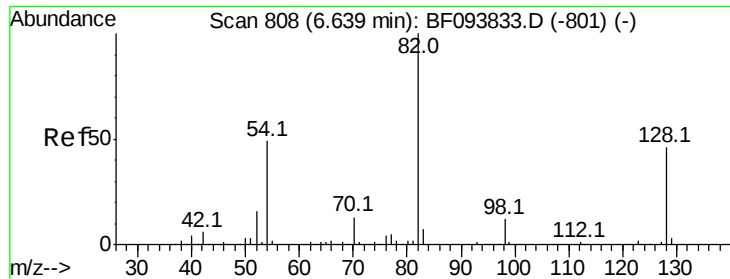
137 10.4 8.5 12.7

54 7.4 4.9 7.3#

68 5.8 4.1 6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





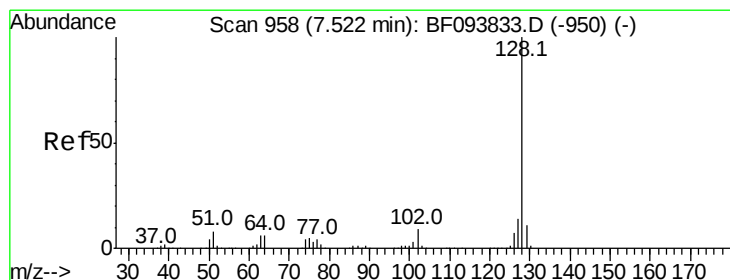
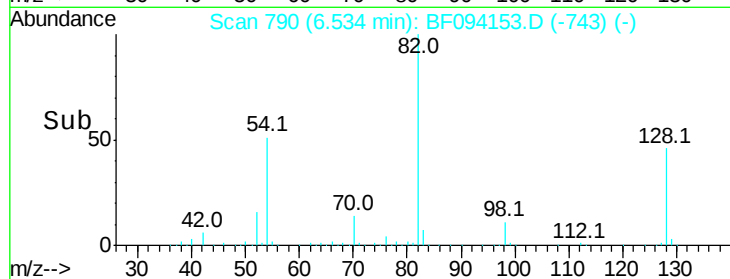
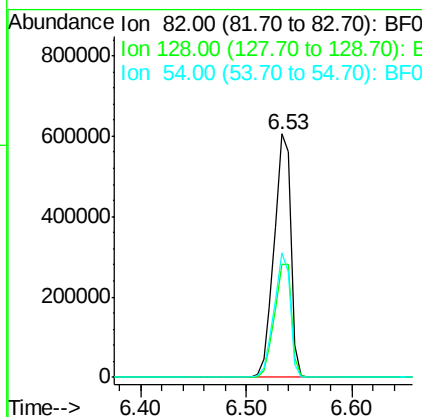
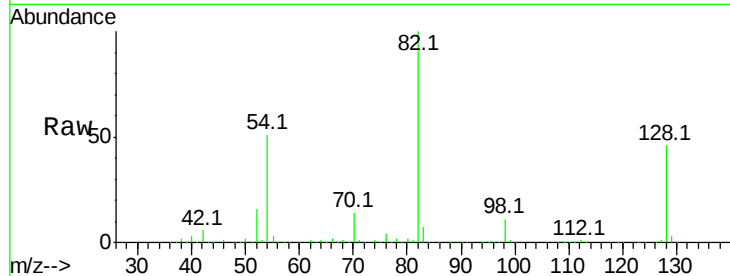
#23
 Nitrobenzene-d5
 Concen: 61.51 ng
 RT: 6.53 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	34.0	51.0	
54	51.2	42.2	63.2	

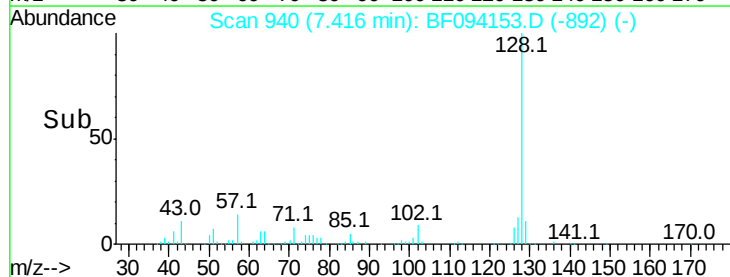
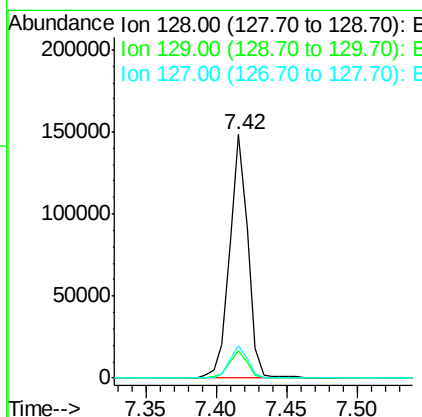
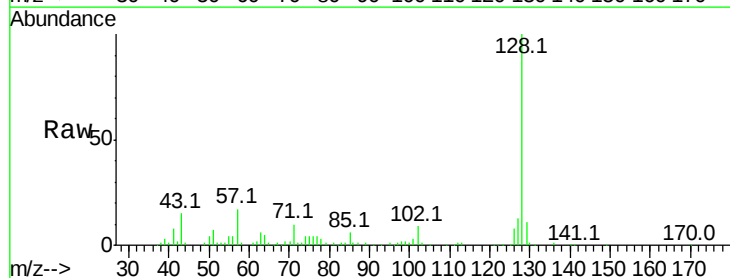
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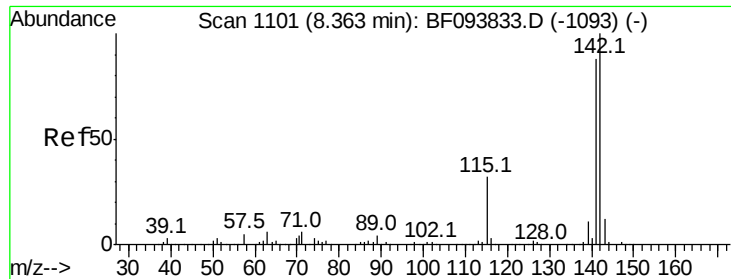
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#31
 Naphthalene
 Concen: 4.53 ng
 RT: 7.42 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.0	13.6	
127	13.1	10.8	16.2	





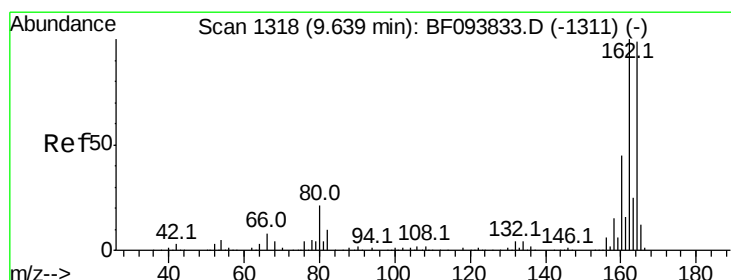
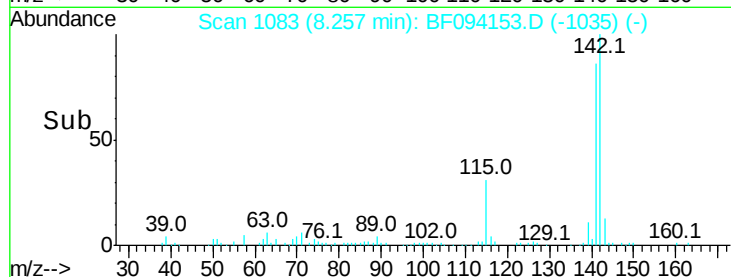
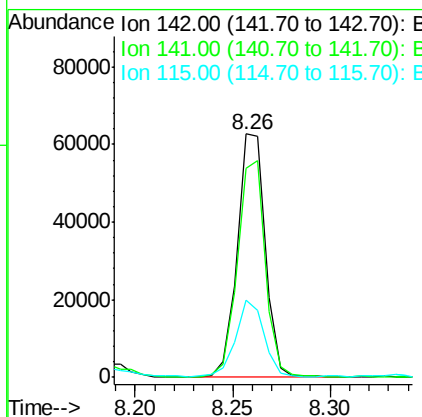
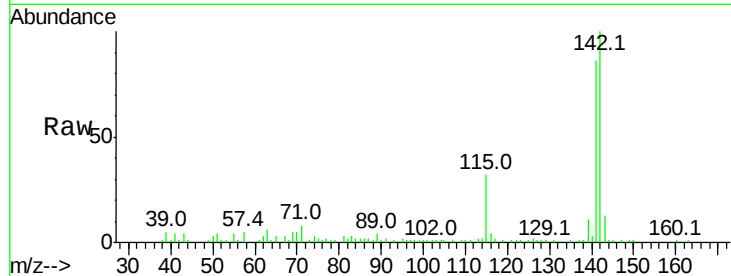
#37
 2-Methylnaphthalene
 Concen: 3.19 ng
 RT: 8.26 min Scan# 1083
 Delta R.T. -0.02 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.9	71.3	106.9
115	31.6	27.1	40.7

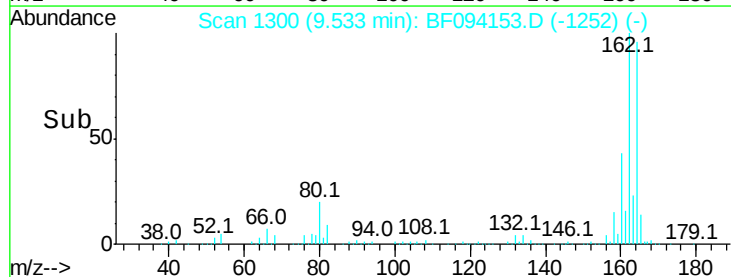
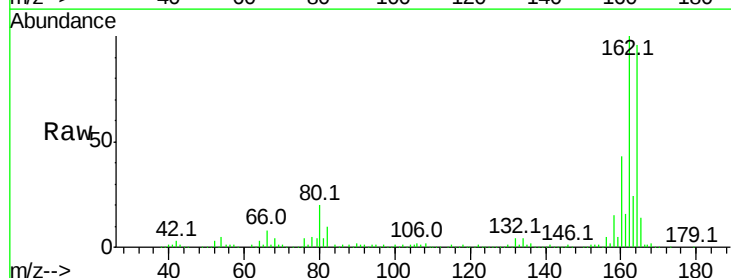
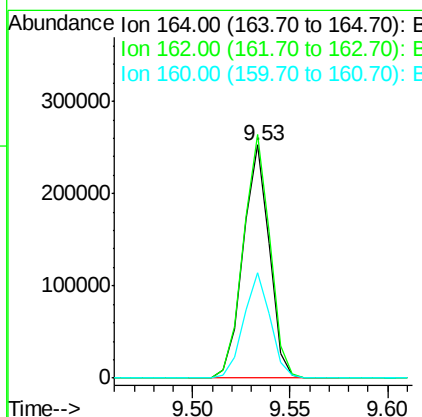
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	45.1	36.2	54.2





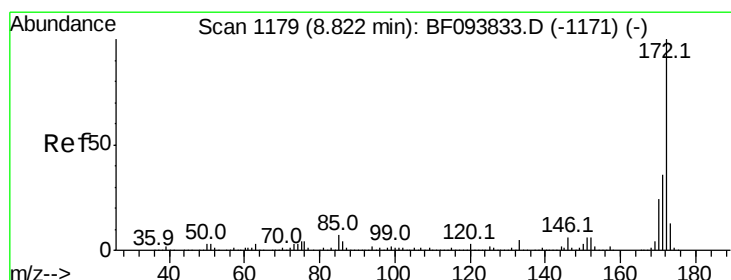
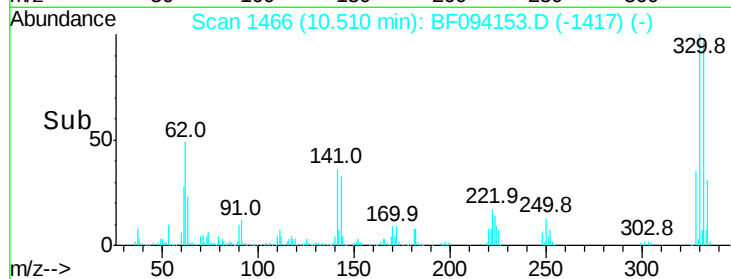
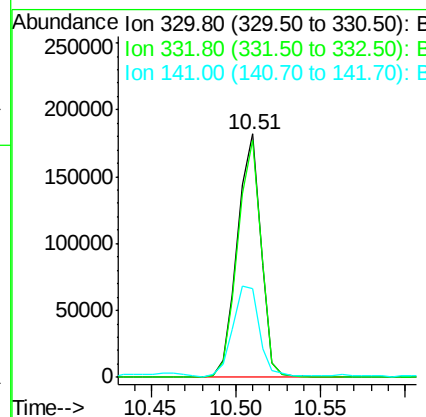
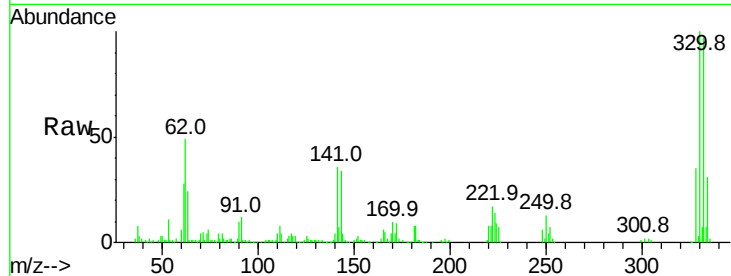
#41
 2,4,6-Tribromophenol
 Concen: 95.42 ng
 RT: 10.51 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	177214		
332	97.1	76.6	115.0	
141	41.1	31.4	47.2	

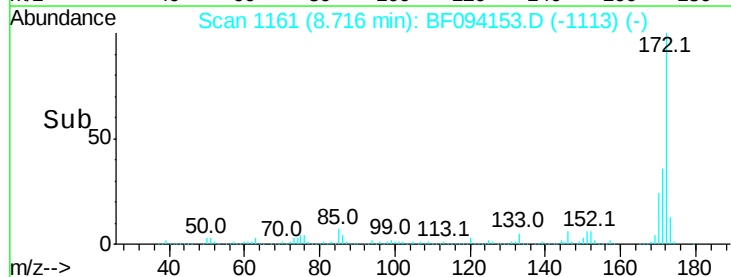
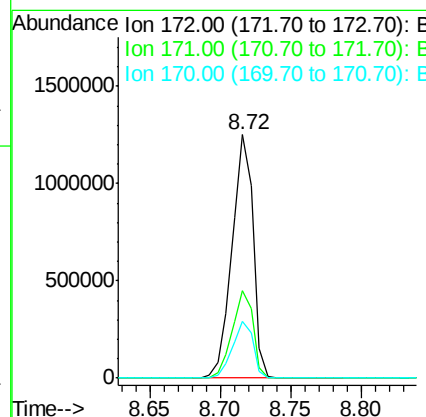
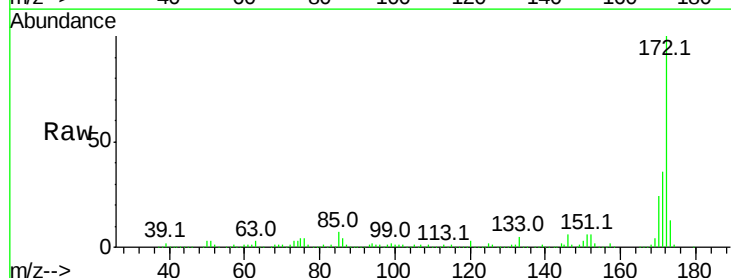
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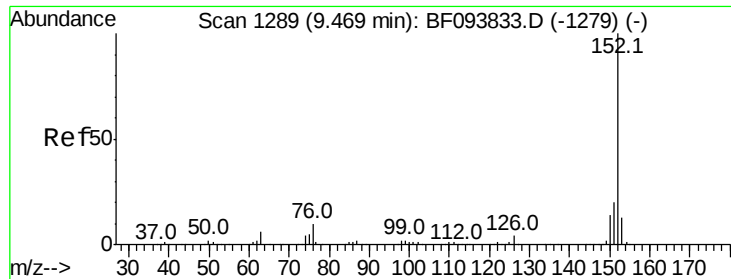
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#44
 2-Fluorobiphenyl
 Concen: 83.95 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1293520		
171	36.0	29.6	44.4	
170	23.5	19.8	29.8	





#48

Acenaphthylene

Concen: 7.92 ng

RT: 9.36 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

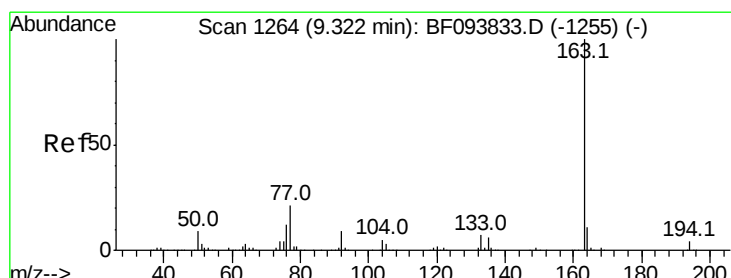
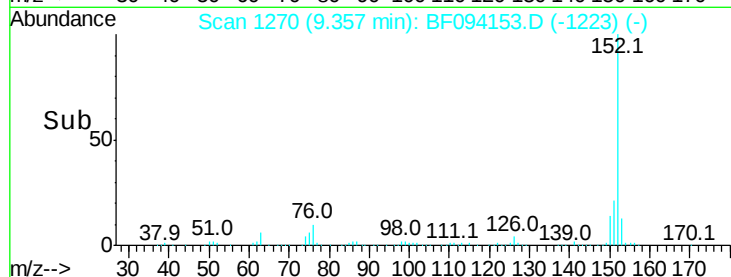
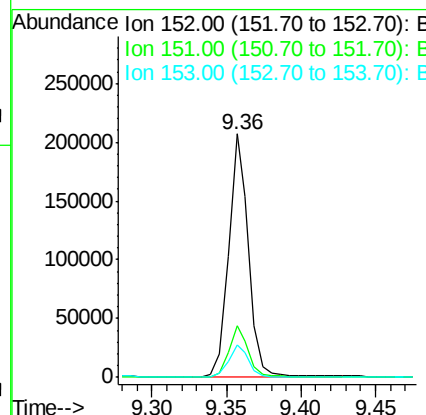
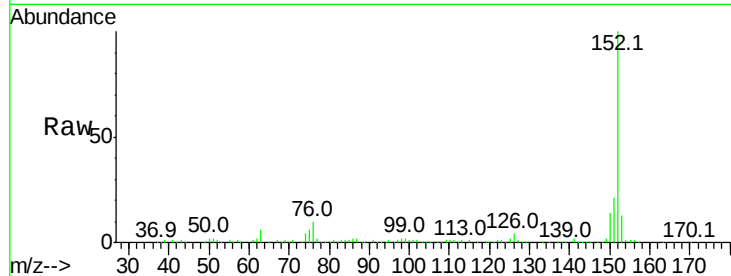
ClientSampleId :

E2-N11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	195360		
151	21.1	16.8	25.2	
153	13.2	10.8	16.2	

Manual Integrations
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#49

Dimethylphthalate

Concen: 7.80 ng

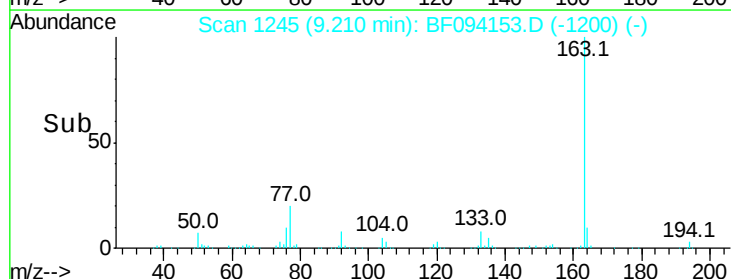
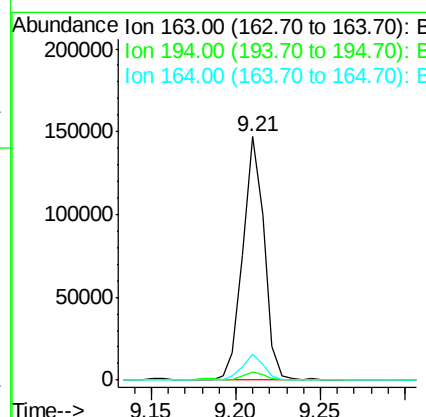
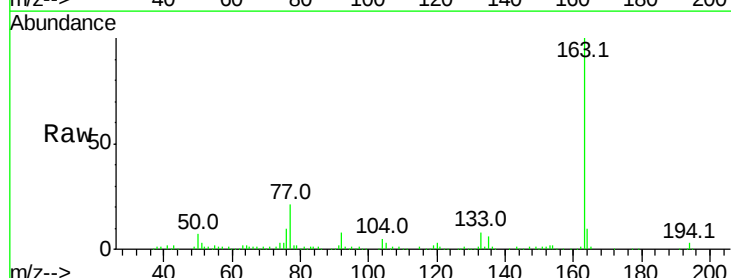
RT: 9.21 min Scan# 1245

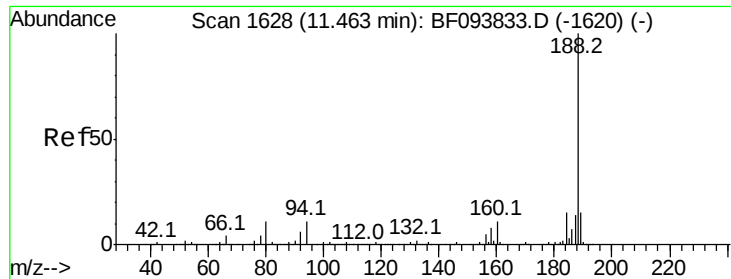
Delta R.T. -0.04 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	130355		
194	3.2	2.6	4.0	
164	10.5	8.4	12.6	





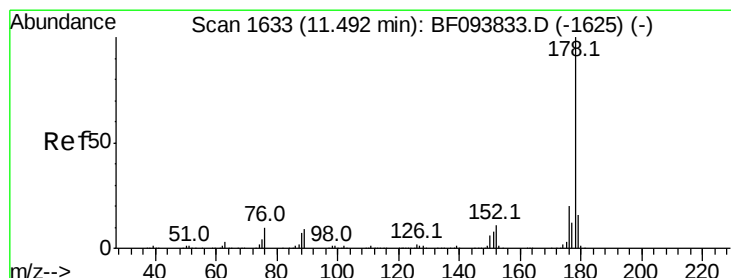
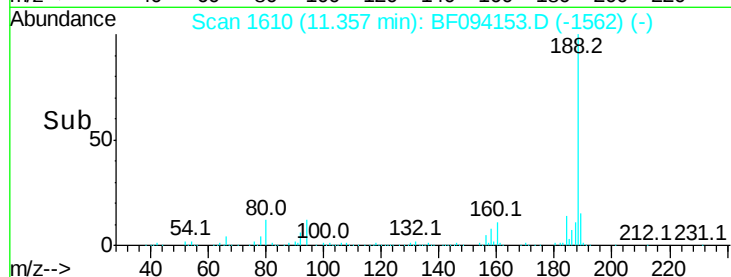
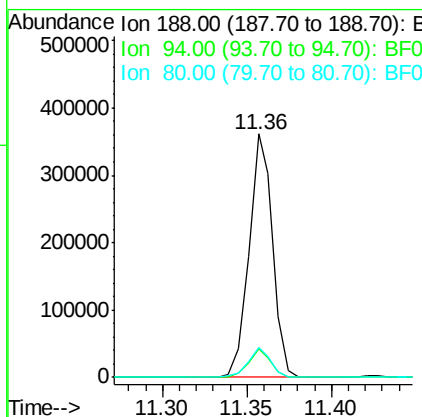
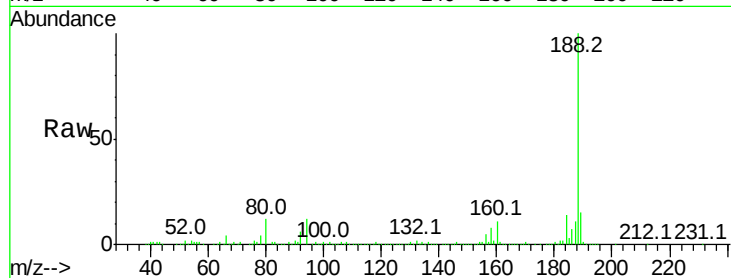
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094153.D
Acq: 4 Apr 2017 7:33

Instrument :
BNA_F
ClientSampleId :
E2-N11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	351481		
94	11.6		9.4	14.2
80	12.2		10.2	15.2

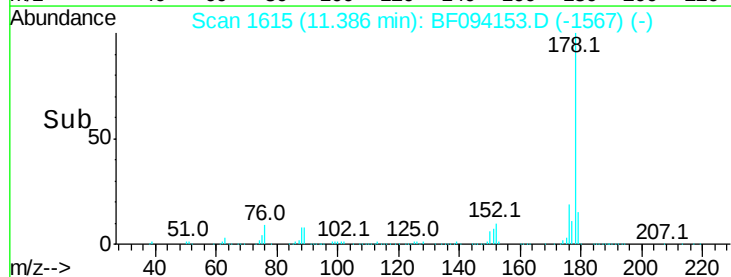
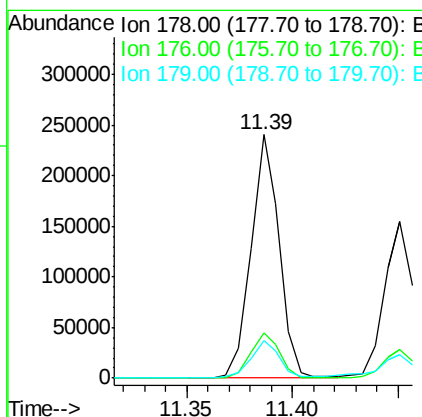
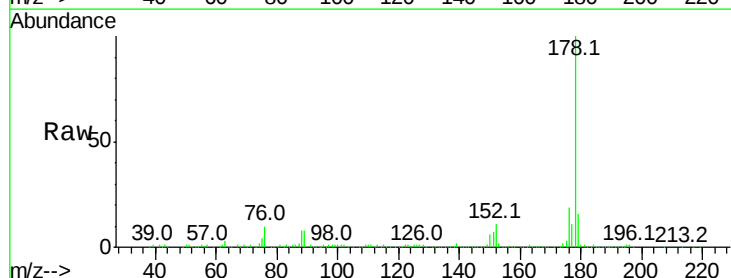
Manual Integrations
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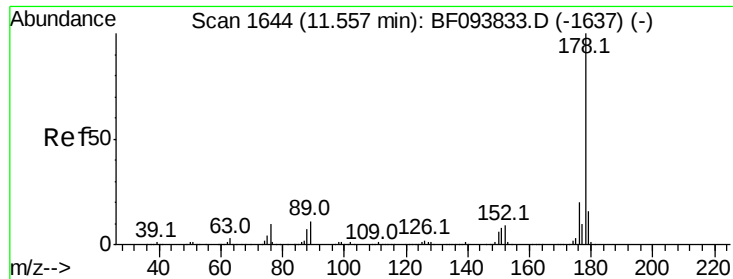
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#70
Phenanthrene
Concen: 11.39 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094153.D
Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	222664		
176	18.5		16.2	24.4
179	15.6		12.6	19.0





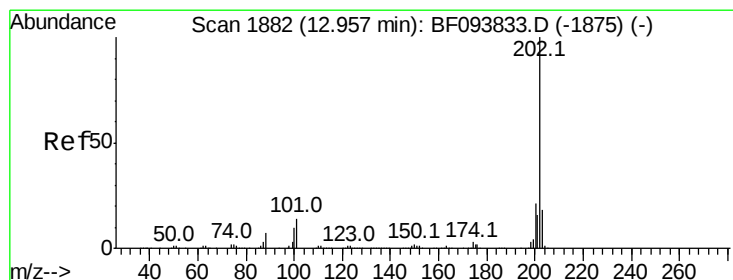
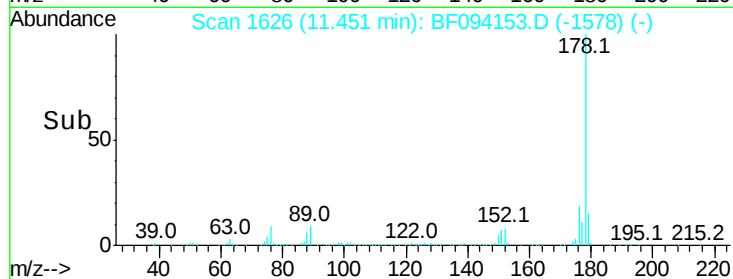
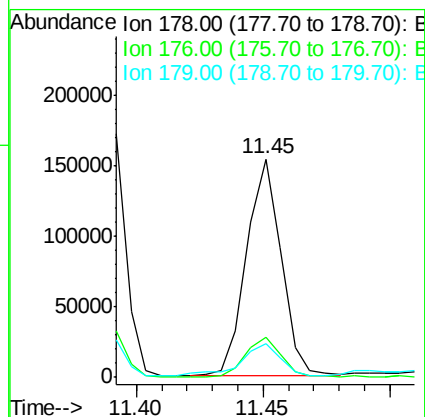
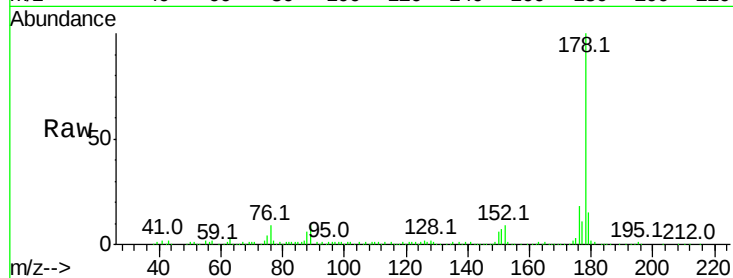
#71
 Anthracene
 Concen: 7.29 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N11-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1

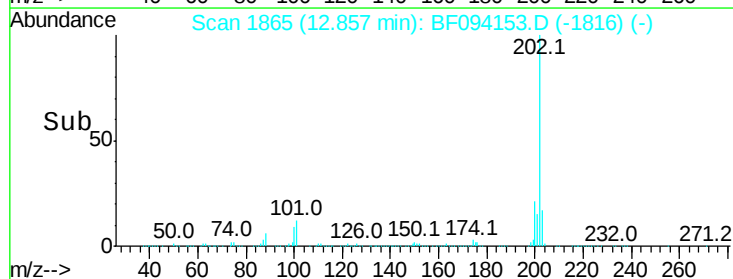
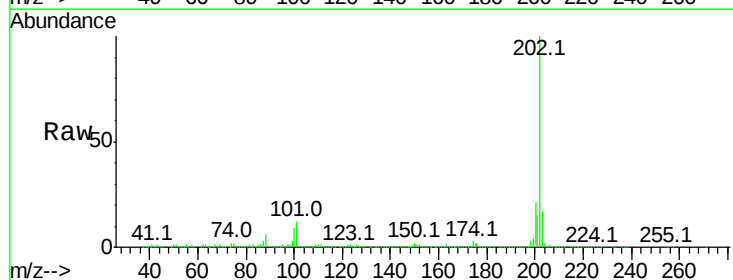
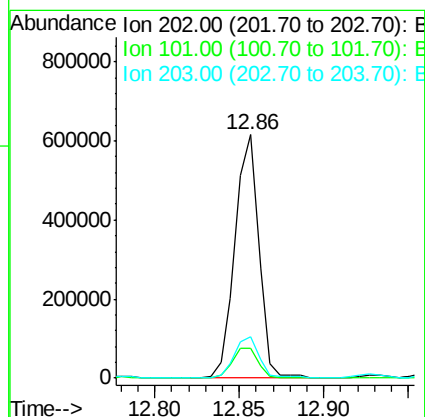
Manual Integrations
 APPROVED

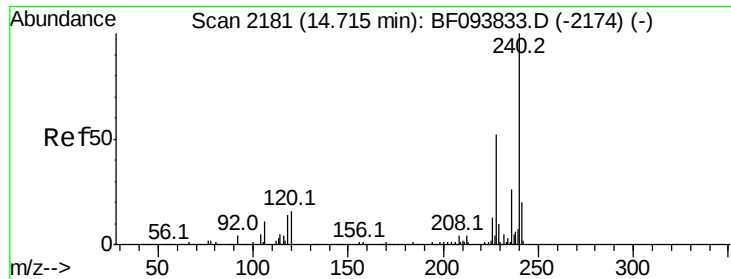
mohammad
 4/4/2017 5:35:10 PM



#74
 Fluoranthene
 Concen: 29.99 ng
 RT: 12.86 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF094153.D
 Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.2	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: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

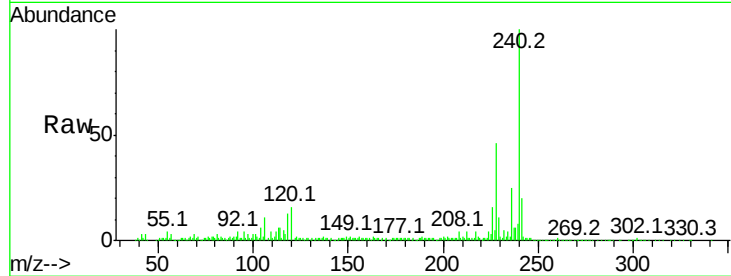
ClientSampleId :

E2-N11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	299389		
120	16.4	5.8	8.8#	
236	25.1	20.5	30.7	

Manual Integrations
APPROVED

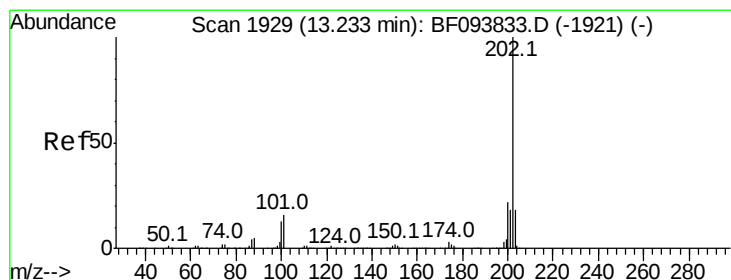
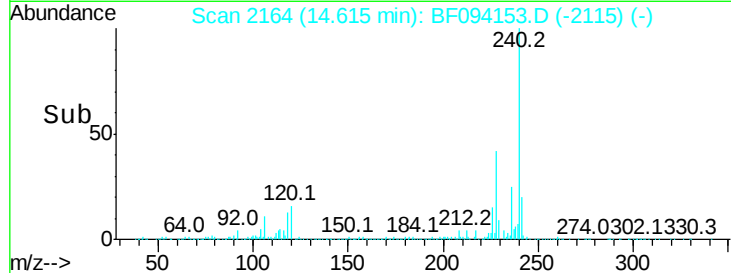
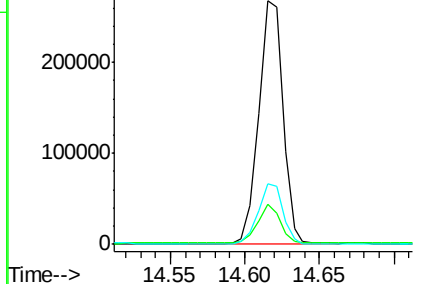
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.49 ng

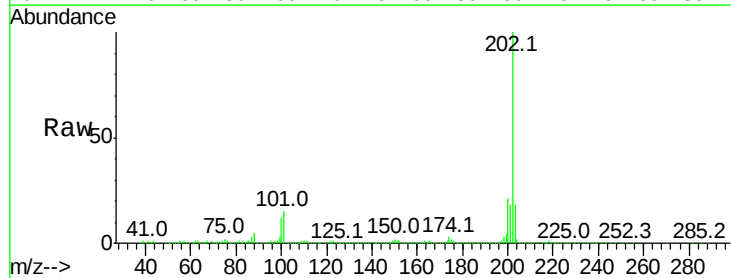
RT: 13.13 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

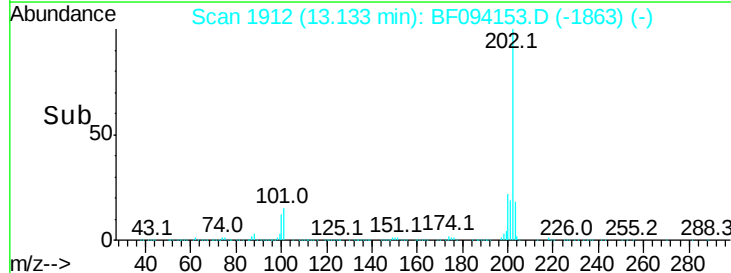
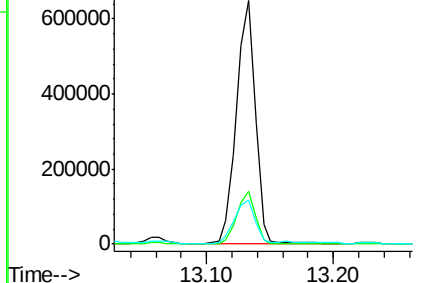
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	662376		
200	21.5	17.6	26.4	
203	17.8	14.4	21.6	

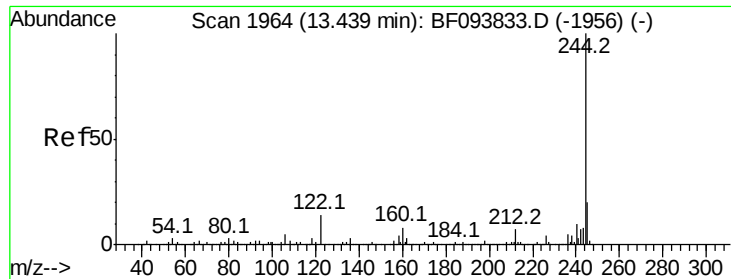


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.80 ng

RT: 13.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

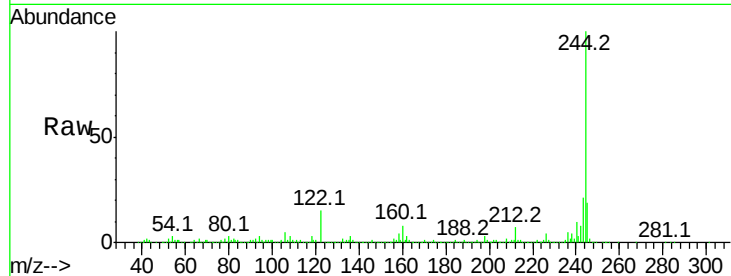
ClientSampleId :

E2-N11-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.5	10.3	15.5

Manual Integrations
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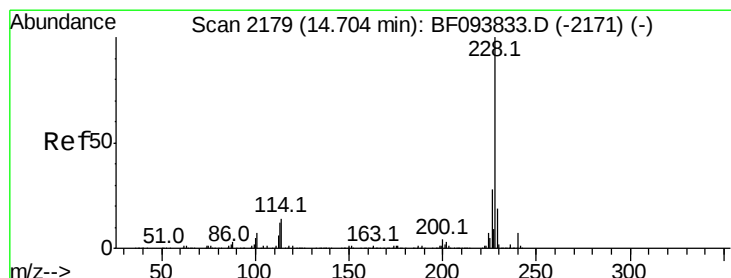
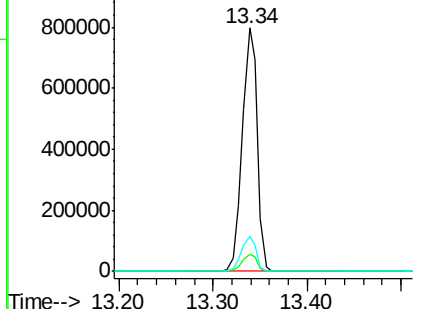
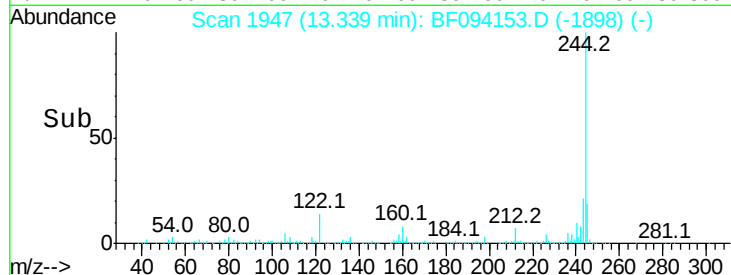
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.67 ng m

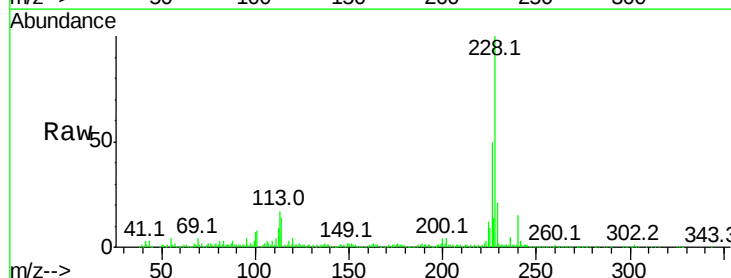
RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

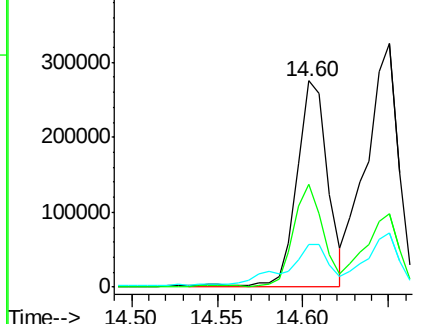
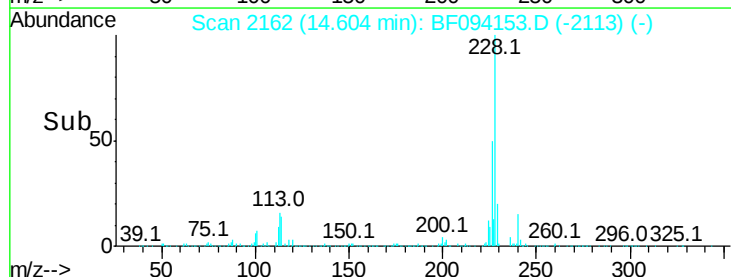
Tgt Ion	Ratio	Lower	Upper
228	100		
226	50.2	22.6	33.8#
229	20.8	16.3	24.5

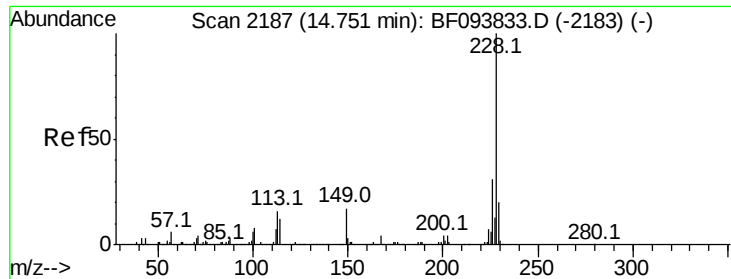


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 25.99 ng

RT: 14.65 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

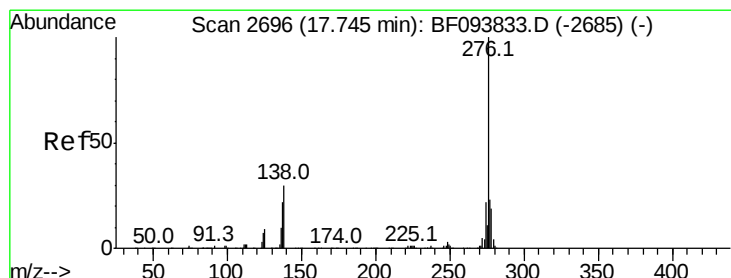
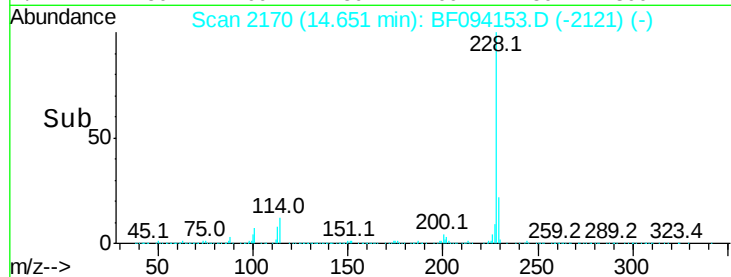
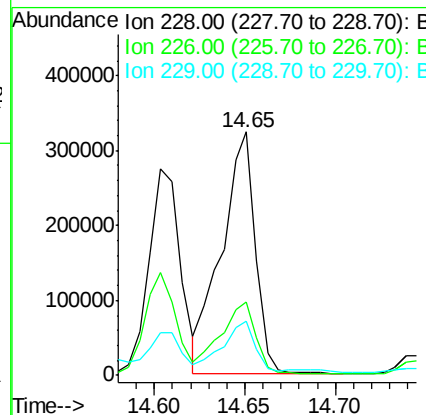
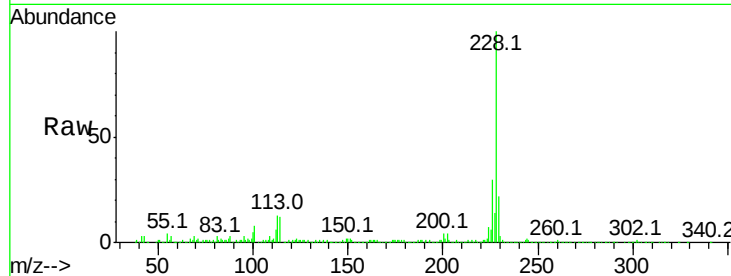
ClientSampleId :

E2-N11-BASE

Tot Ion:	228	Resp:	420993
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	22.0	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.84 ng

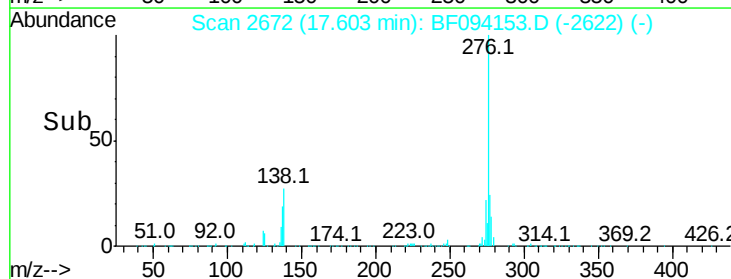
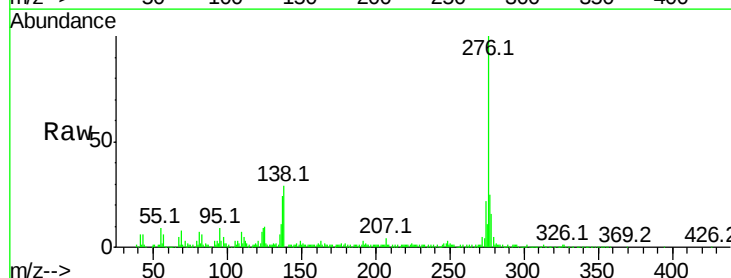
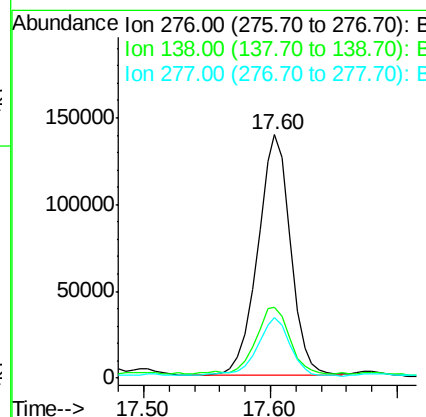
RT: 17.60 min Scan# 2672

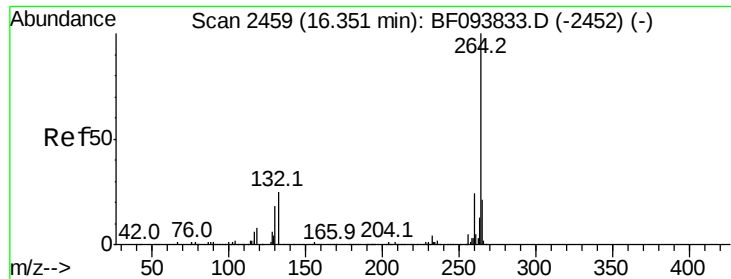
Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Tgt Ion:	276	Resp:	250364
Ion Ratio	Lower	Upper	
276	100		
138	29.2	27.8	41.6
277	24.4	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: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

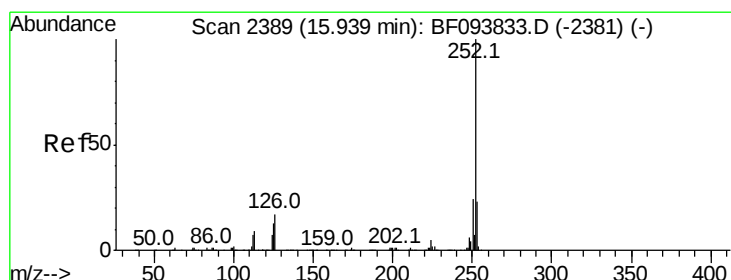
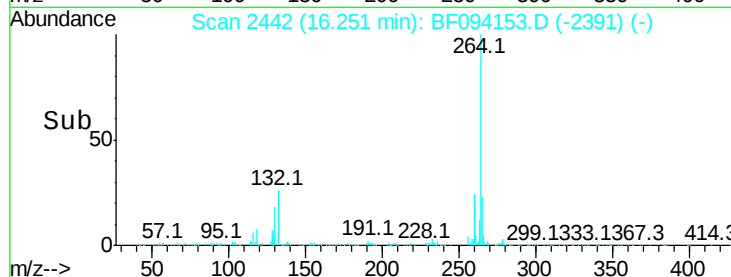
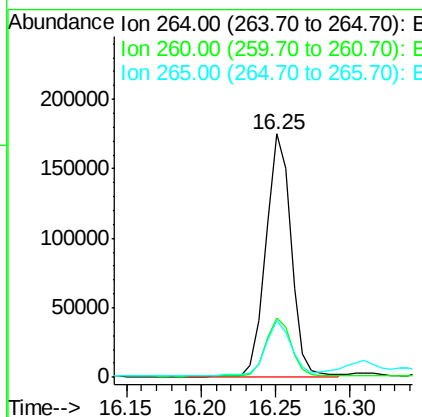
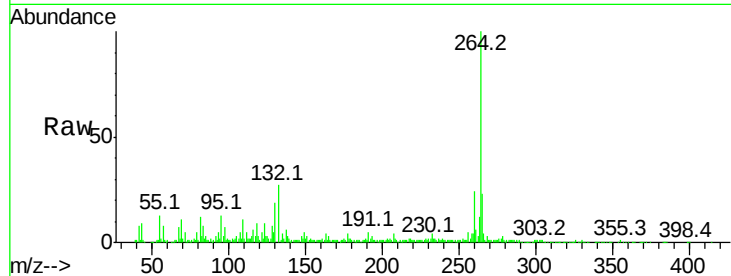
ClientSampleId :

E2-N11-BASE

Tot Ion:	264	Resp:	204044
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	23.2	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 45.32 ng m

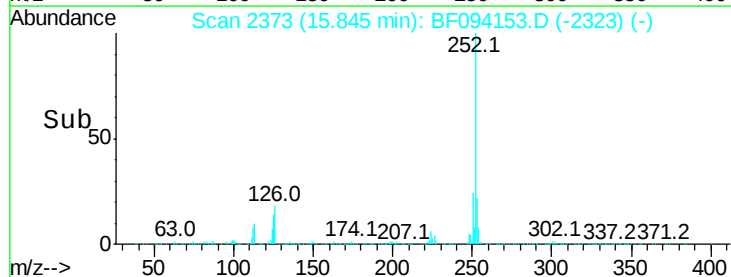
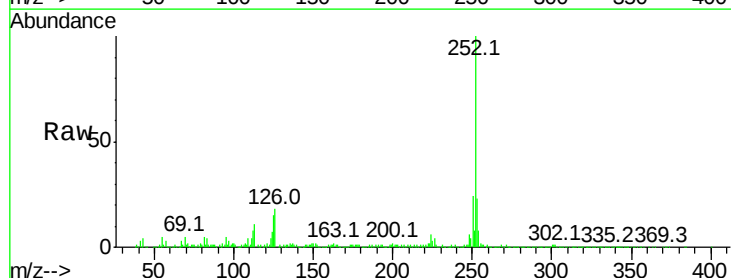
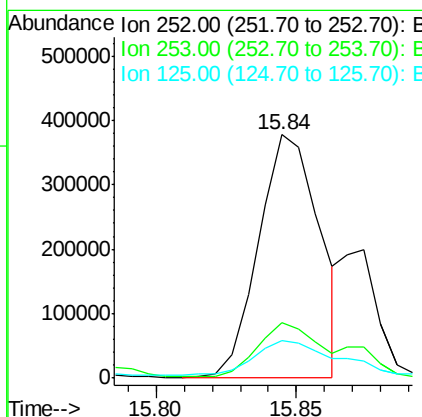
RT: 15.84 min Scan# 2373

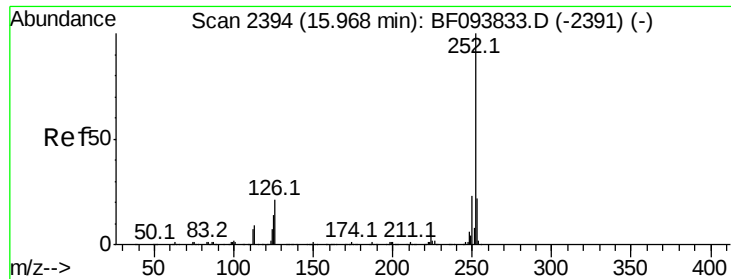
Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Tgt Ion:	252	Resp:	566874
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	15.4	9.8	14.8#





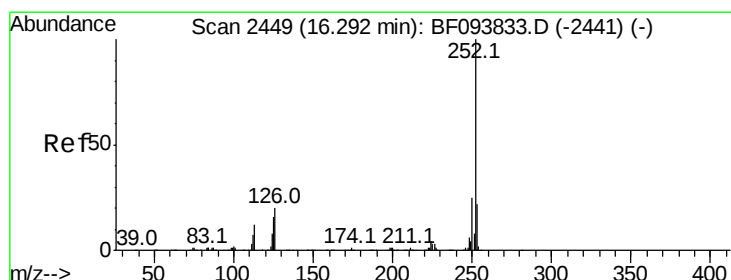
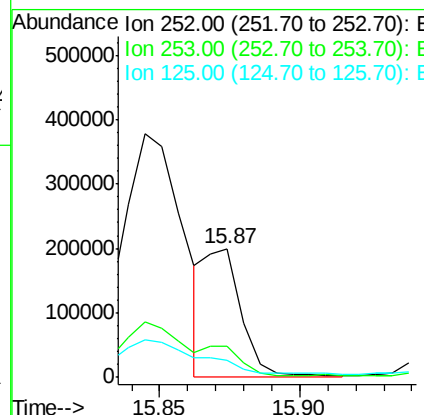
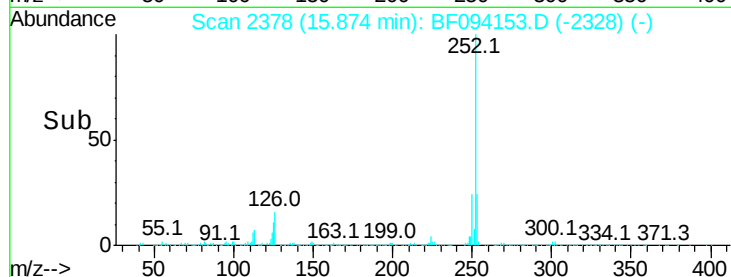
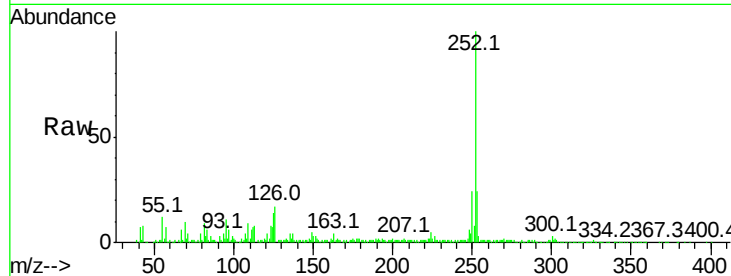
#88
Benzo(k)fluoranthene
Concen: 14.95 ng m
RT: 15.87 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BF094153.D
Acq: 4 Apr 2017 7:33

Instrument :
BNA_F
ClientSampleId :
E2-N11-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	13.7	13.1	19.7

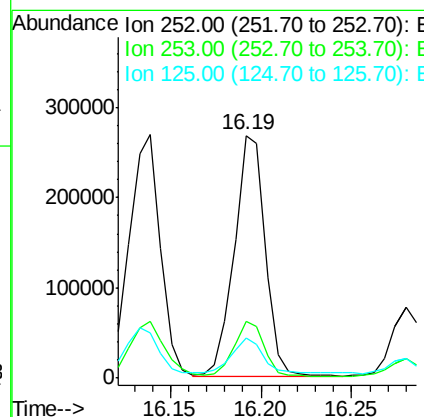
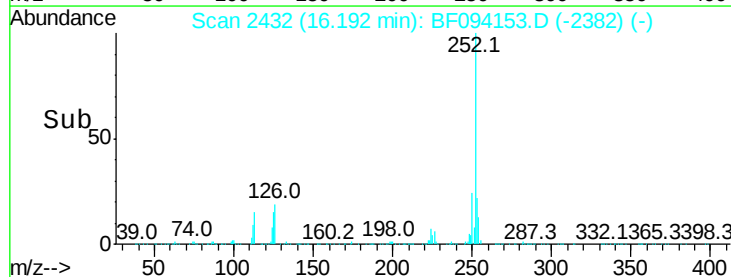
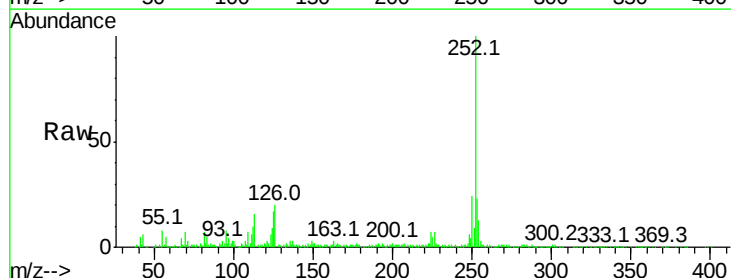
Manual Integrations
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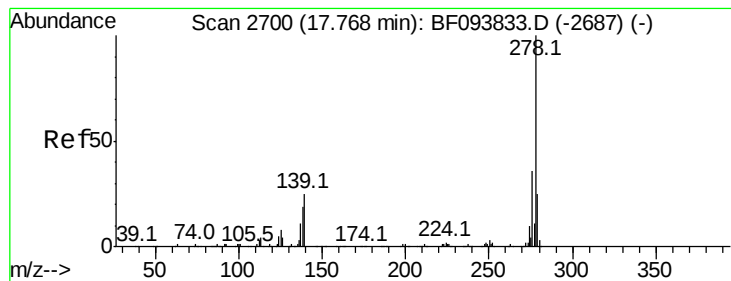
mohammad
4/4/2017 5:35:10 PM



#89
Benzo(a)pyrene
Concen: 27.55 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094153.D
Acq: 4 Apr 2017 7:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	16.7	11.0	16.4#





#90

Dibenzo(a,h)anthracene

Concen: 5.48 ng

RT: 17.62 min Scan# 2674

Delta R.T. -0.02 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Instrument :

BNA_F

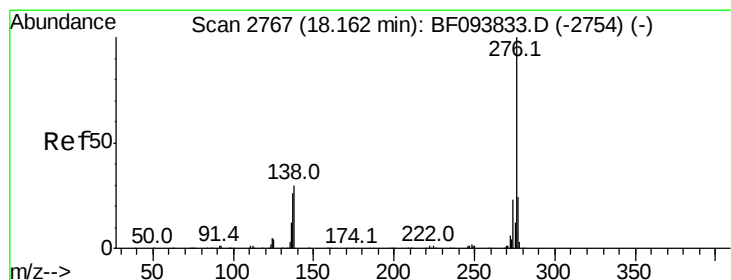
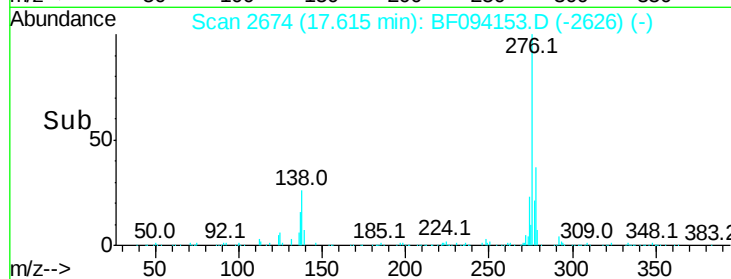
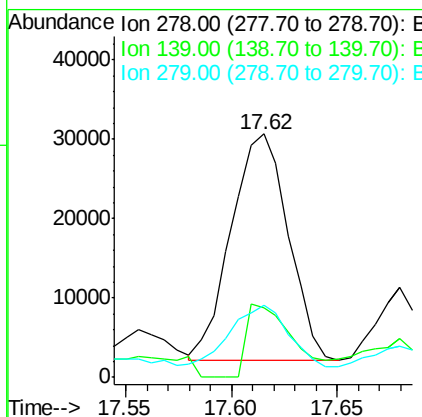
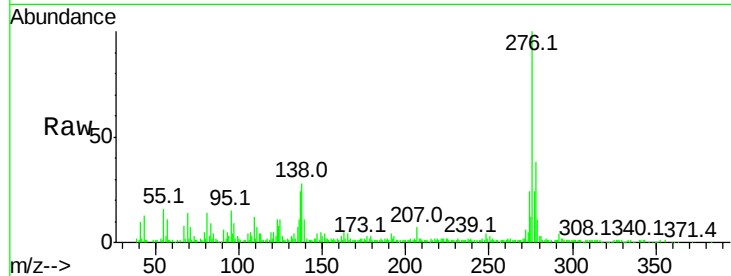
ClientSampleId :

E2-N11-BASE

Tot Ion:	278	Resp:	53428
Ion Ratio	Lower	Upper	
278	100		
139	28.5	16.6	24.8#
279	29.6	19.3	28.9#

Manual Integrations
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mohammad
4/4/2017 5:35:10 PM



#91

Benzo(g,h,i)perylene

Concen: 26.18 ng

RT: 18.00 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BF094153.D

Acq: 4 Apr 2017 7:33

Tgt Ion:	276	Resp:	257324
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.6	28.0
138	29.2	25.4	38.0

