

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094151.D
 Acq On : 4 Apr 2017 6:37
 Operator : SJ/MA
 Sample : I2510-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P-O-11-12-BASE

Manual Integrations
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 4/4/2017 5:35:05 PM

Quant Time: Apr 04 07:17:14 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	175956	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	649648	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	253167	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	378714	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	324802	20.00	ng	-0.01
86) Perylene-d12	16.25	264	227383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	1066080	102.33	ng	0.00
7) Phenol-d6	5.50	99	1326697	102.94	ng	-0.01
23) Nitrobenzene-d5	6.54	82	731220	64.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	179300	89.62	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1365638	82.28	ng	-0.02
78) Terphenyl-d14	13.34	244	917814	63.34	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.42	128	131989	4.23	ng	99
37) 2-Methylnaphthalene	8.26	142	54271	2.61	ng	98
48) Acenaphthylene	9.36	152	174779	6.58	ng	97
49) Dimethylphthalate	9.21	163	106884	5.94	ng	99
70) Phenanthrene	11.39	178	210795	10.01	ng	97
71) Anthracene	11.45	178	130796	6.03	ng	97
74) Fluoranthene	12.85	202	521459	24.17	ng	98
77) Pyrene	13.13	202	537778	22.81	ng	99
80) Benzo(a)anthracene	14.60	228	304525m	16.08	ng	
82) Chrysene	14.64	228	313220	17.82	ng	97
85) Indeno(1,2,3-cd)pyrene	17.59	276	159193	10.46	ng	95
87) Benzo(b)fluoranthene	15.84	252	440745m	31.62	ng	
88) Benzo(k)fluoranthene	15.87	252	101876m	7.47	ng	
89) Benzo(a)pyrene	16.19	252	227692	17.74	ng	97
90) Dibenzo(a,h)anthracene	17.60	278	36354	3.34	ng	# 87
91) Benzo(g,h,i)perylene	17.99	276	165622	15.12	ng	99

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

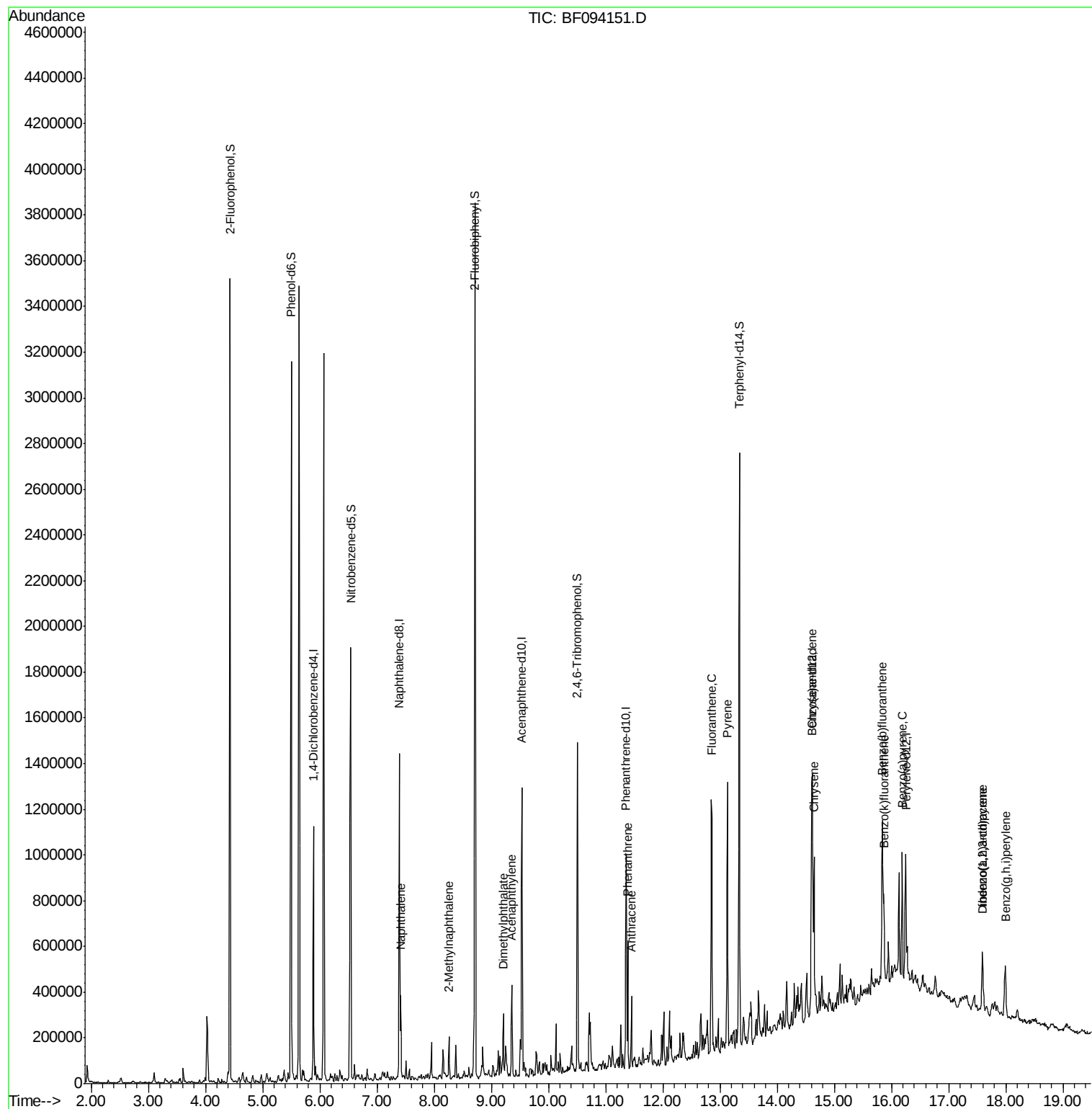
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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#1

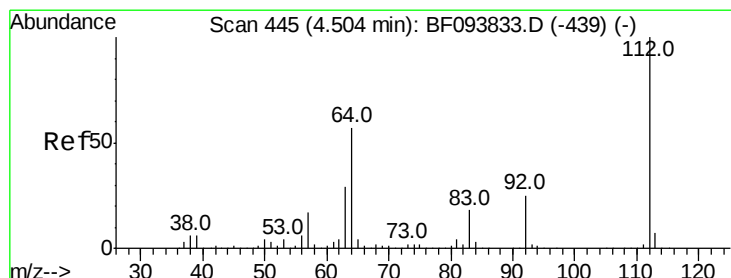
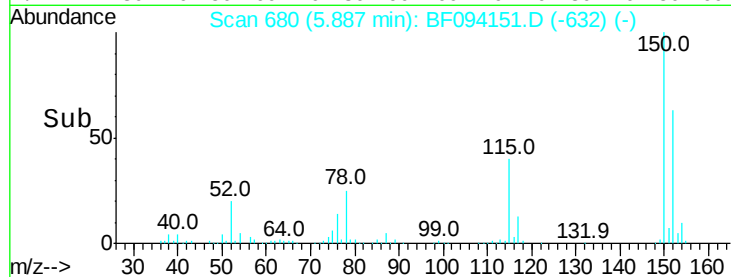
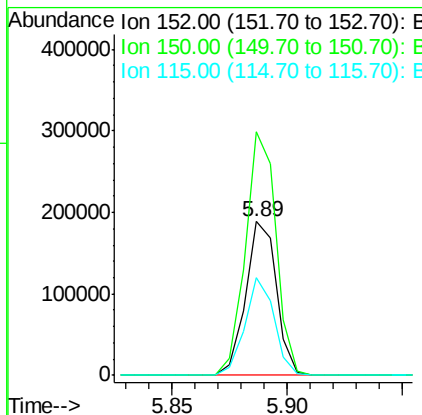
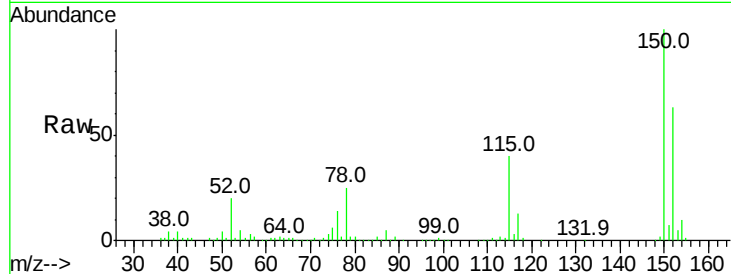
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	63.8	52.2	78.2

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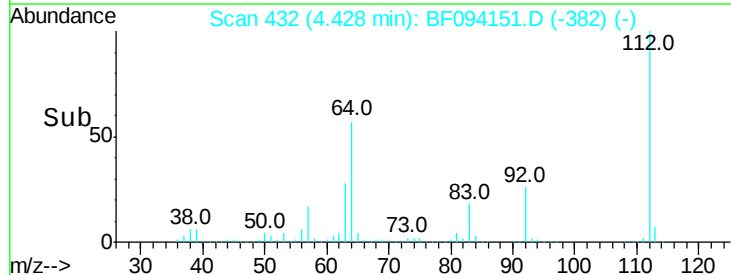
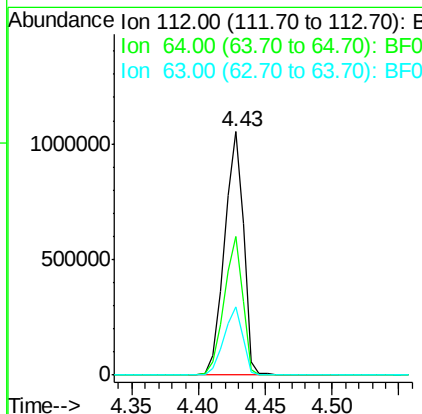
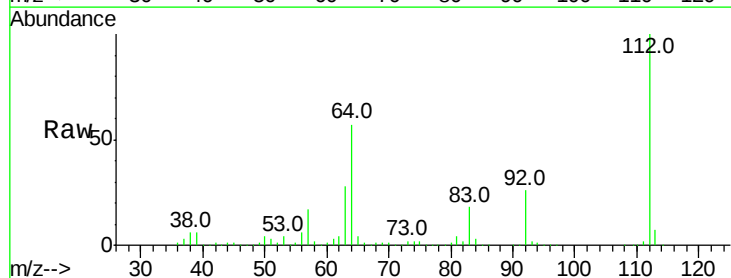
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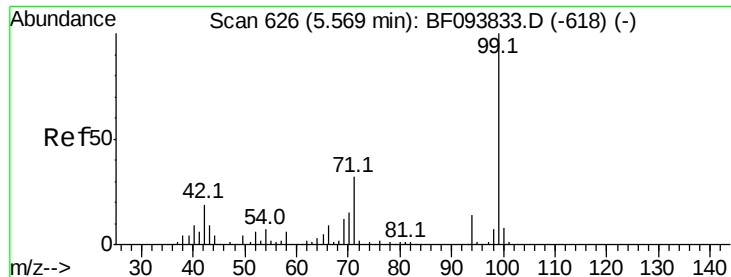


#5

2-Fluorophenol
Concen: 102.33 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	28.3	23.4	35.0





#7

Phenol-d6

Concen: 102.94 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094151.D

Acq: 4 Apr 2017 6:37

Instrument :

BNA_F

ClientSampleId :

E2-P-O-11-12-BASE

Tot Ion: 99 Resp: 1326697

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

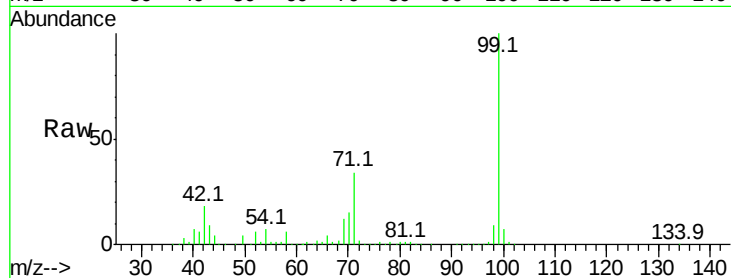
71 34.4 24.5 36.7

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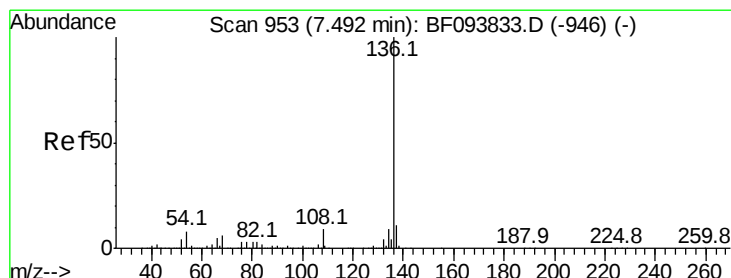
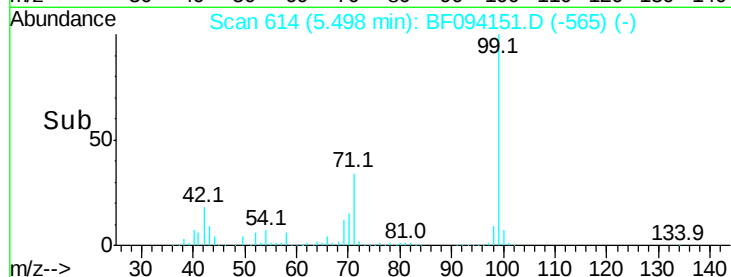
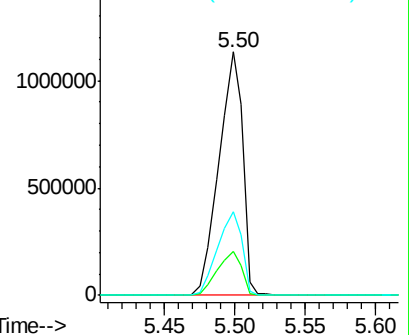
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF094151.D

Acq: 4 Apr 2017 6:37

Tgt Ion: 136 Resp: 649648

Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.6 4.9 7.3#

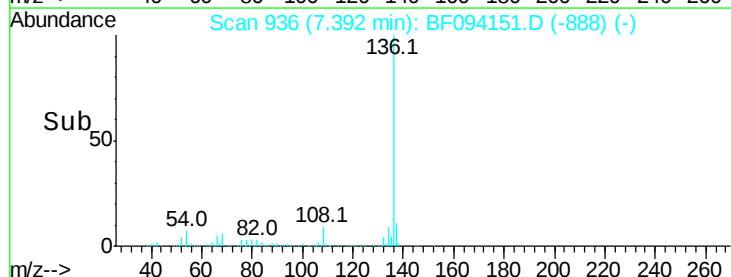
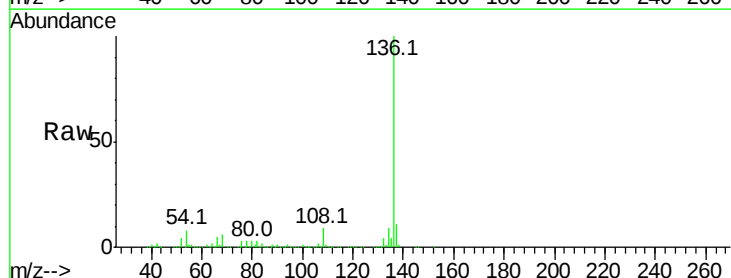
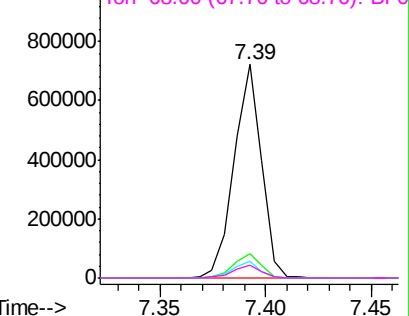
68 6.1 4.1 6.1

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





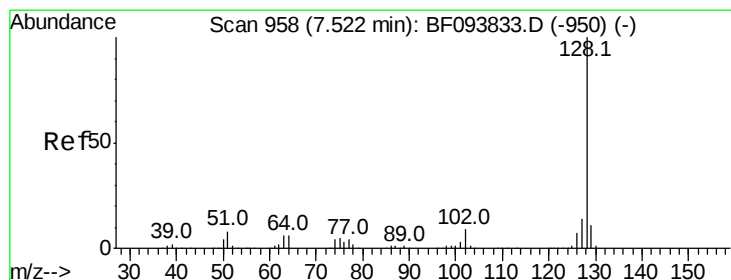
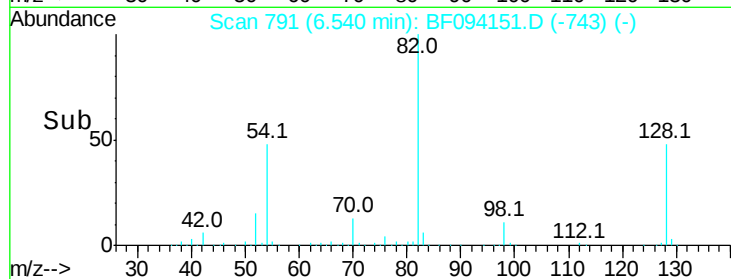
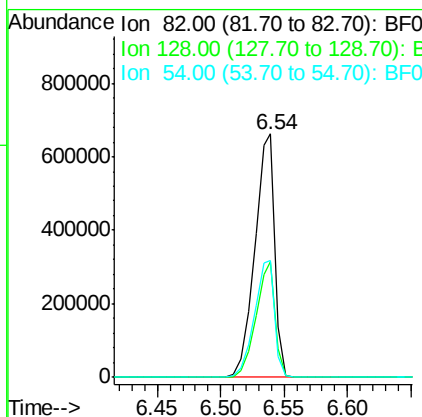
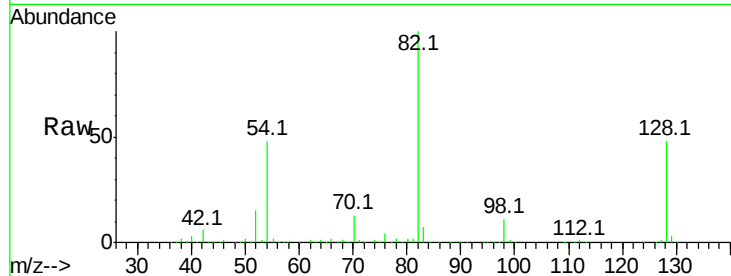
#23
Nitrobenzene-d5
Concen: 64.23 ng
RT: 6.54 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	48.1	42.2	63.2

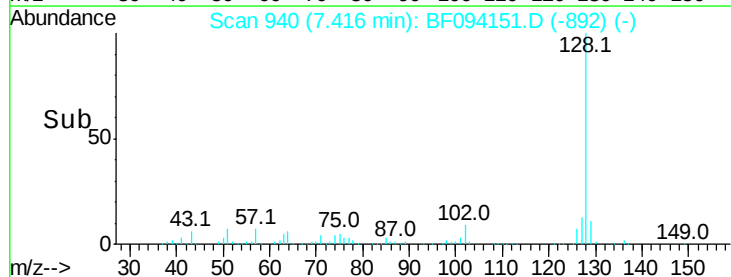
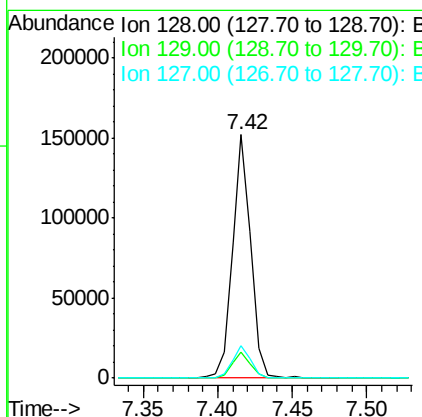
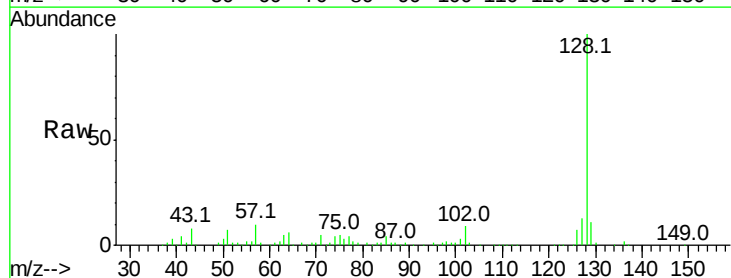
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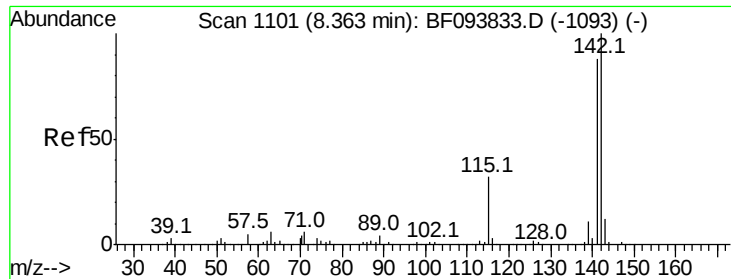
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#31
Naphthalene
Concen: 4.23 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.2	10.8	16.2





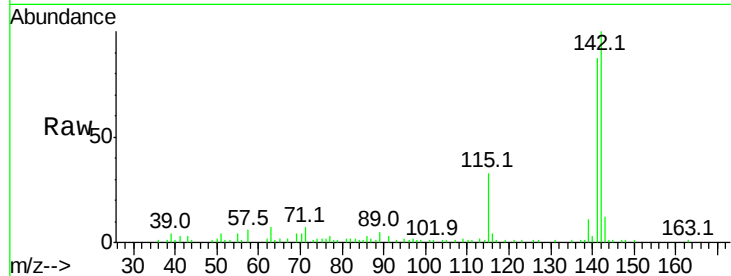
#37
2-Methylnaphthalene
Concen: 2.61 ng
RT: 8.26 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

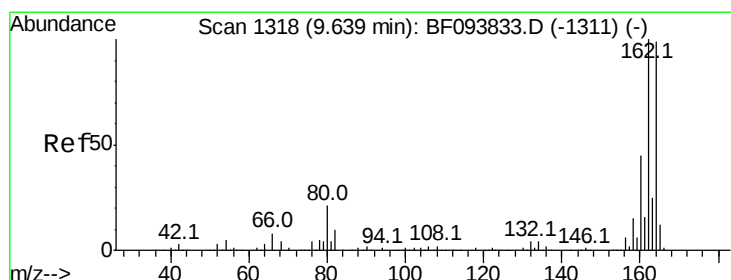
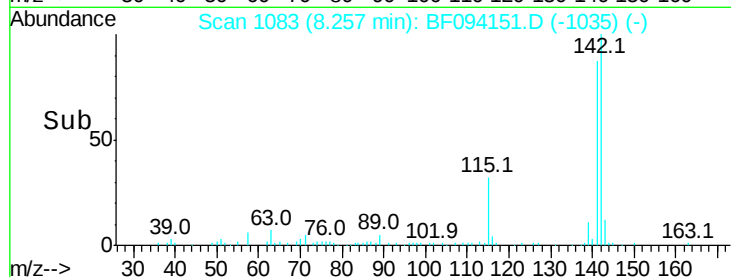
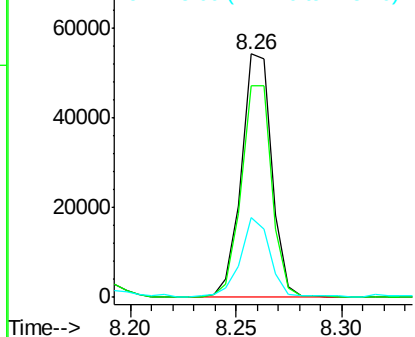
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.3	106.9
115	32.7	27.1	40.7

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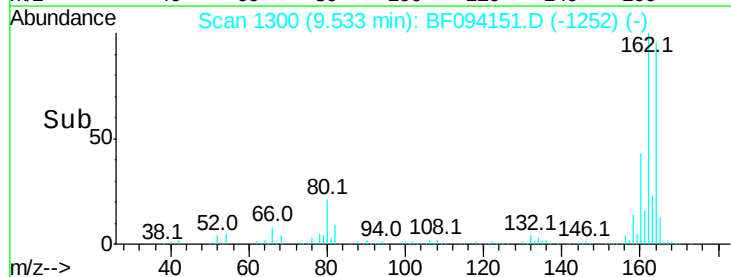
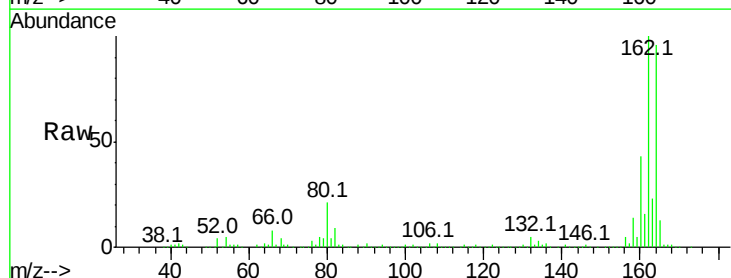
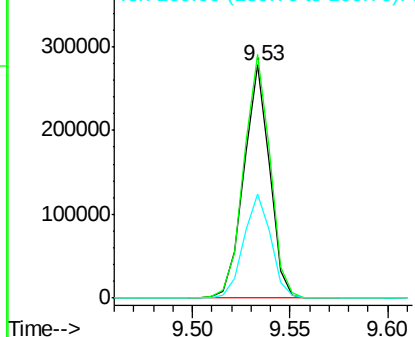
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	44.7	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 89.62 ng

RT: 10.51 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF094151.D

Acq: 4 Apr 2017 6:37

Instrument :

BNA_F

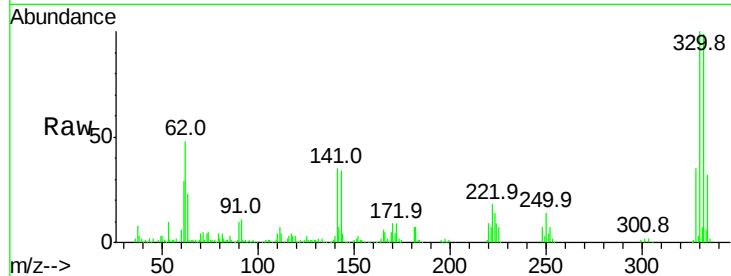
ClientSampleId :

E2-P-O-11-12-BASE

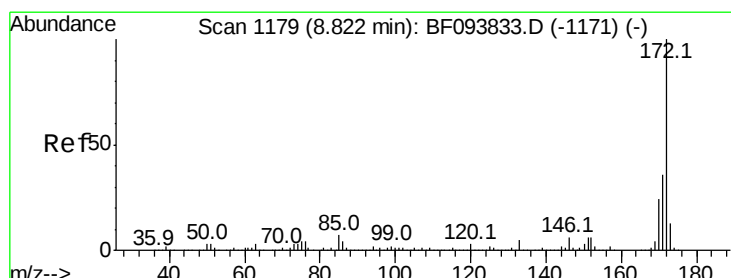
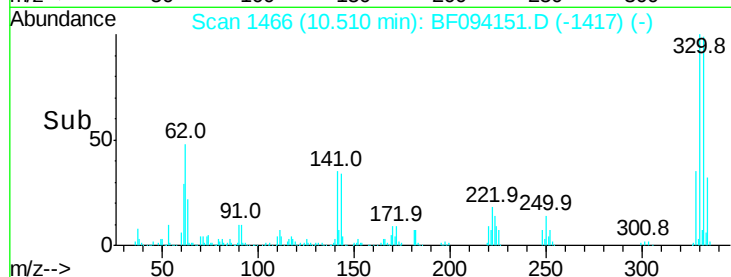
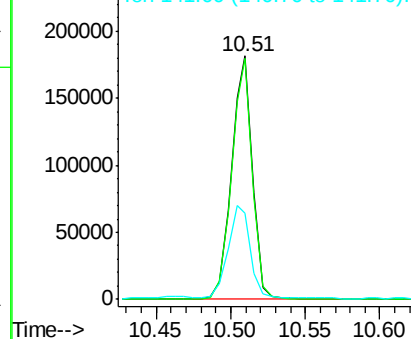
Tot Ion:	330	Resp:	179300
Ion Ratio	Lower	Upper	
330	100		
332	98.0	76.6	115.0
141	40.7	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 82.28 ng

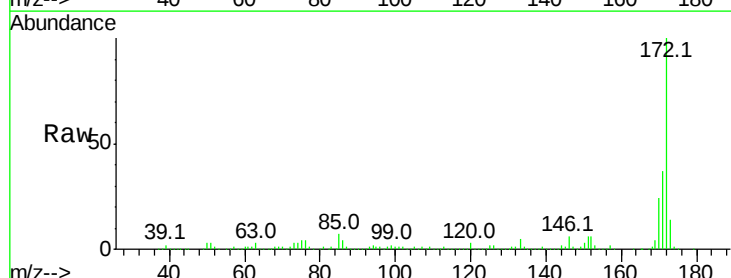
RT: 8.72 min Scan# 1161

Delta R.T. -0.02 min

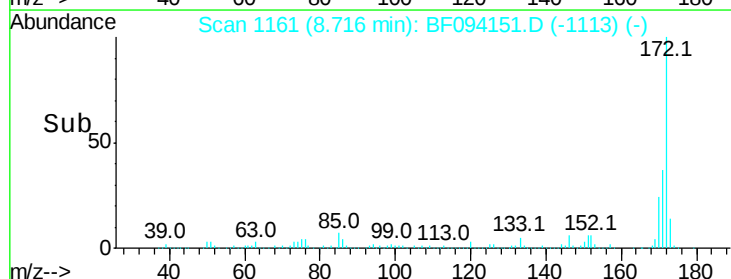
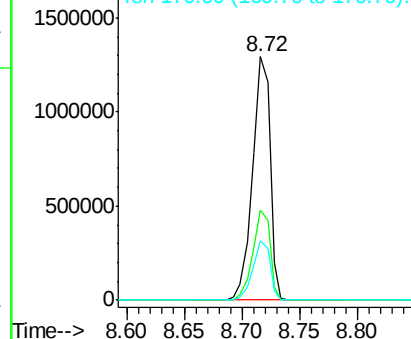
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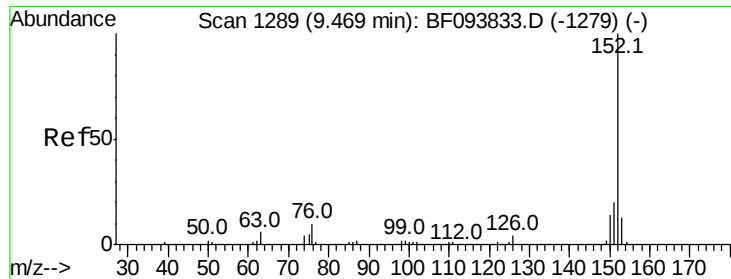
Acq: 4 Apr 2017 6:37

Tgt Ion:	172	Resp:	1365638
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.6	44.4
170	24.3	19.8	29.8



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





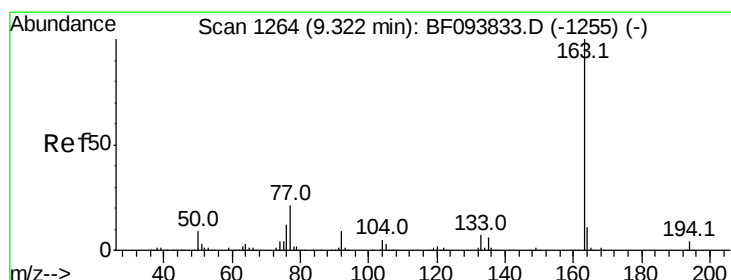
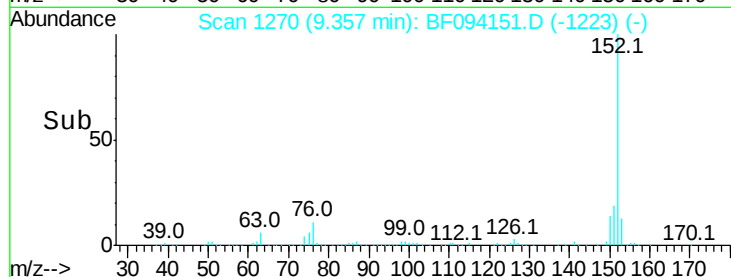
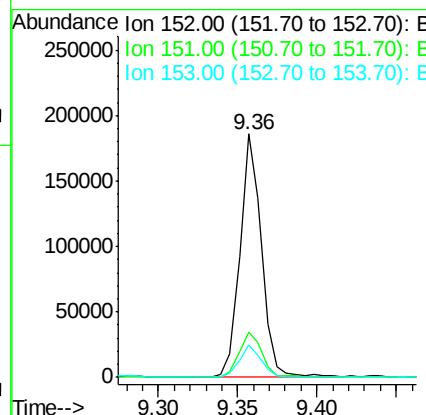
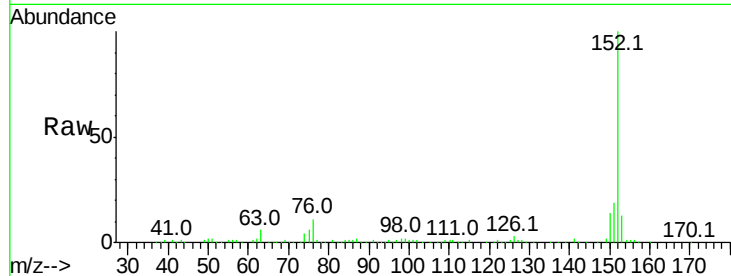
#48
Acenaphthylene
Concen: 6.58 ng
RT: 9.36 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	174779		
151	18.6		16.8	25.2
153	13.4		10.8	16.2

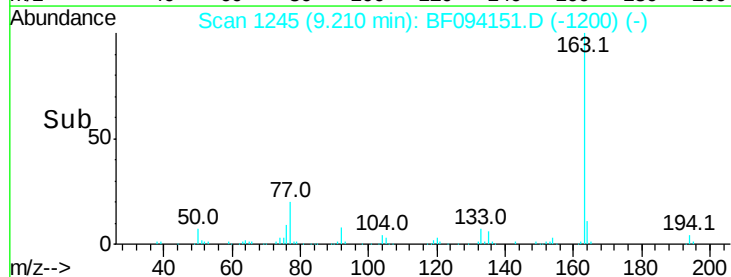
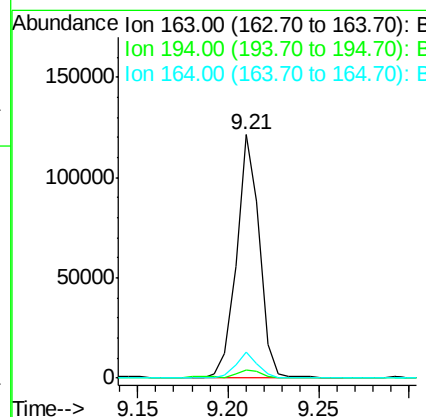
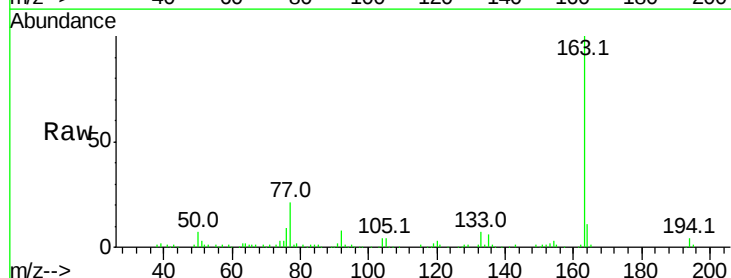
Manual Integrations
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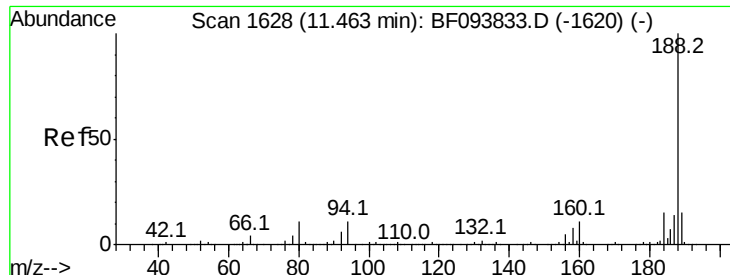
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#49
Dimethylphthalate
Concen: 5.94 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	106884		
194	3.5		2.6	4.0
164	10.7		8.4	12.6





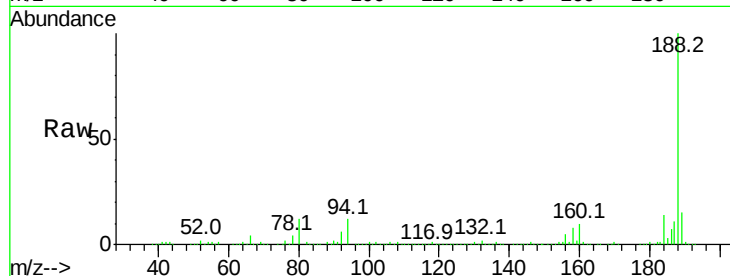
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

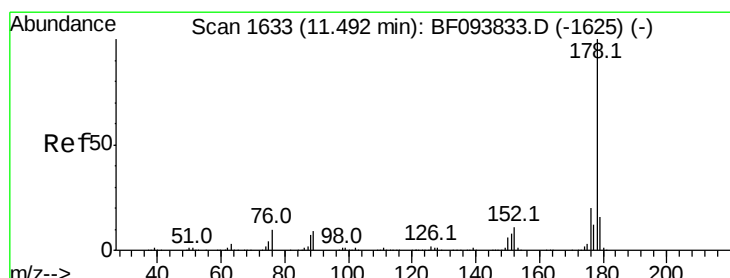
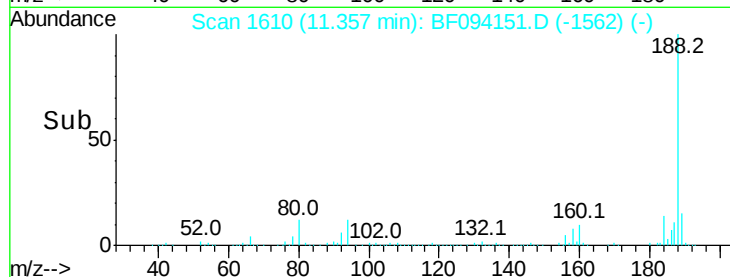
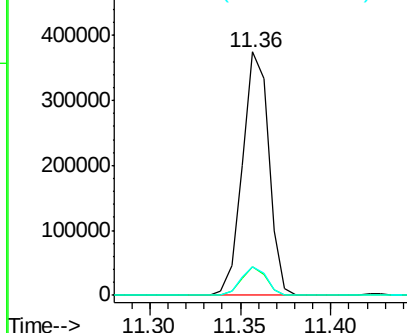
Tot Ion	Ratio	Resp	Lower	Upper
188	100	378714		
94	11.9		9.4	14.2
80	11.6		10.2	15.2

Manual Integrations
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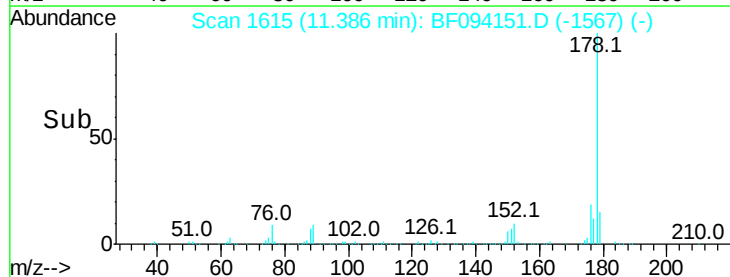
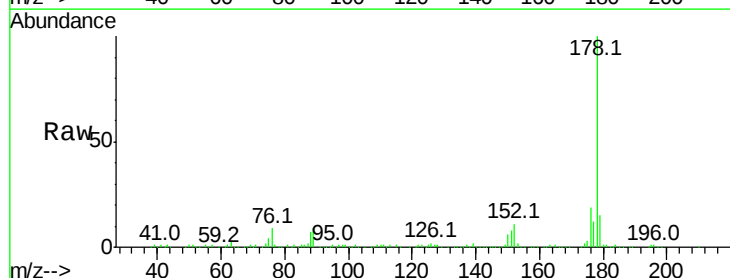
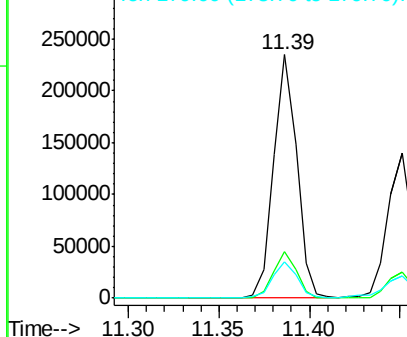
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

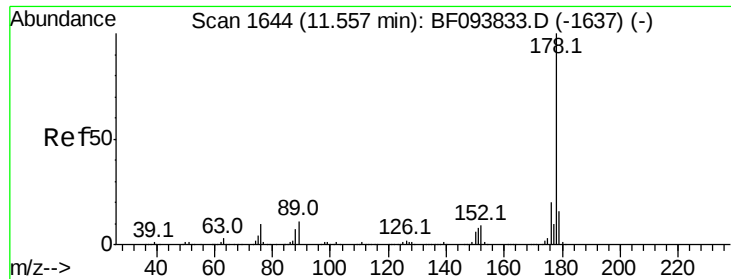


#70
Phenanthrene
Concen: 10.01 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	210795		
176	18.9		16.2	24.4
179	14.9		12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





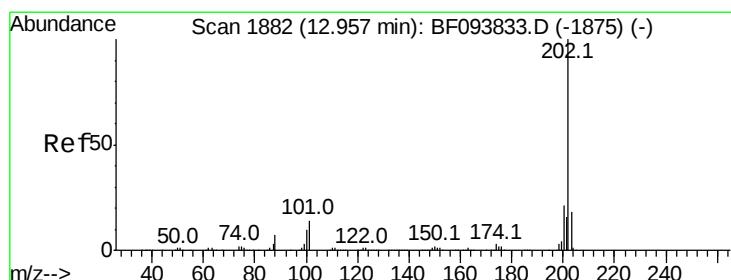
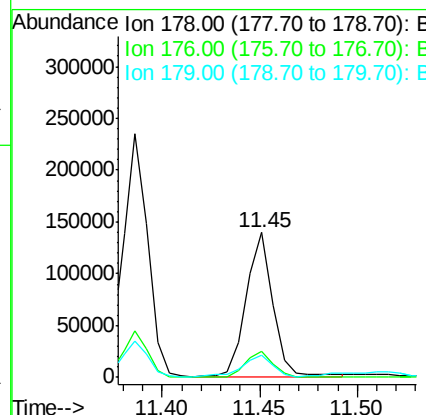
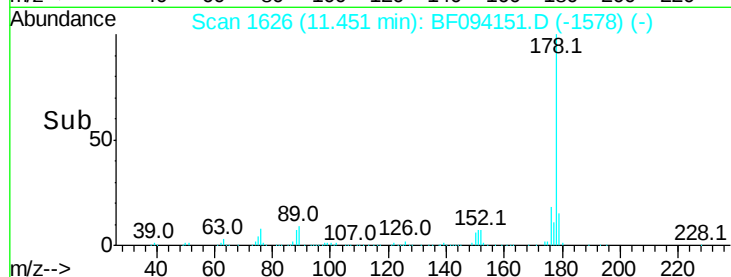
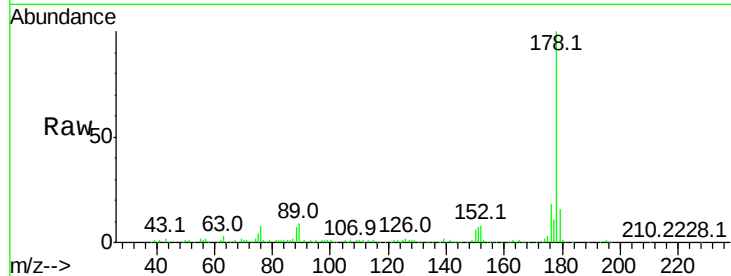
#71
 Anthracene
 Concen: 6.03 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094151.D
 Acq: 4 Apr 2017 6:37

Instrument :
 BNA_F
 ClientSampleId :
 E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.6	12.7	19.1

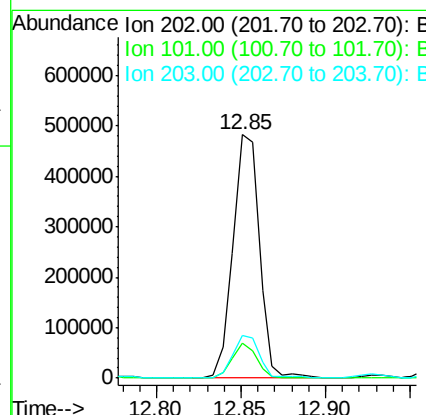
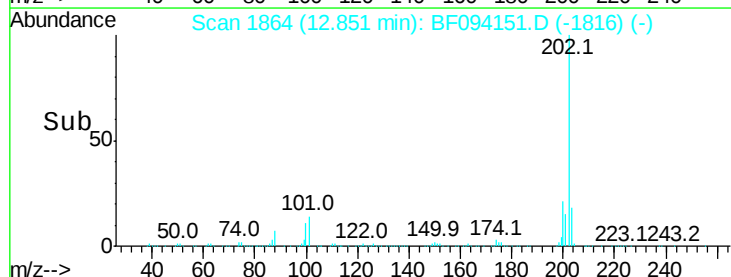
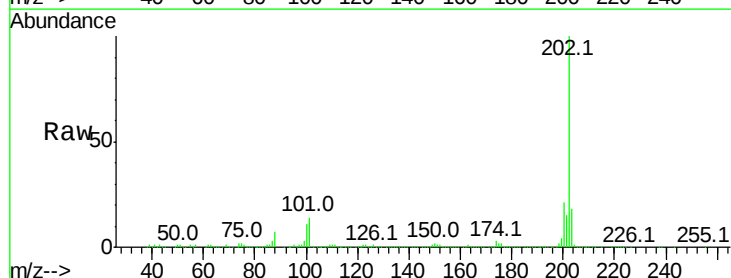
Manual Integrations
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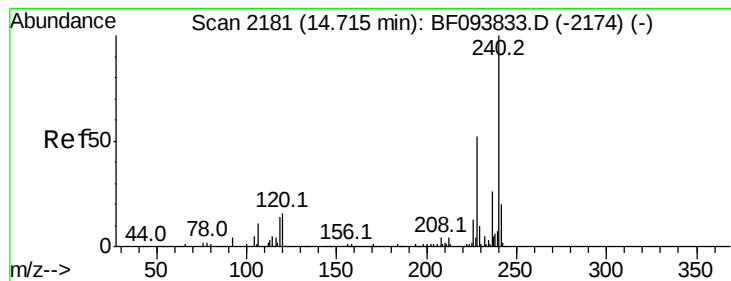
mohammad
 4/4/2017 5:35:05 PM



#74
 Fluoranthene
 Concen: 24.17 ng
 RT: 12.85 min Scan# 1864
 Delta R.T. -0.02 min
 Lab File: BF094151.D
 Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.8	0.0	38.1





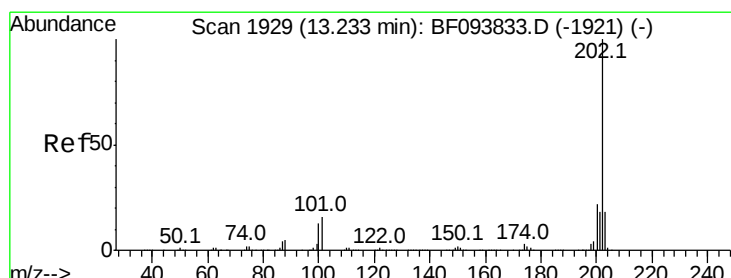
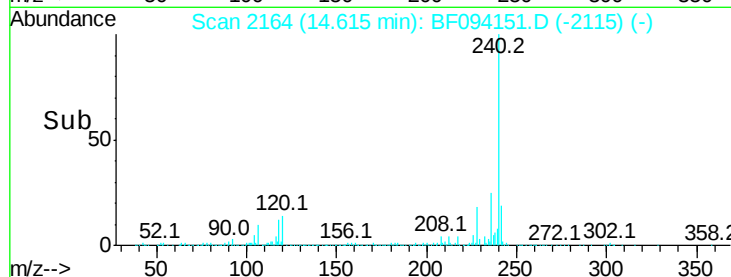
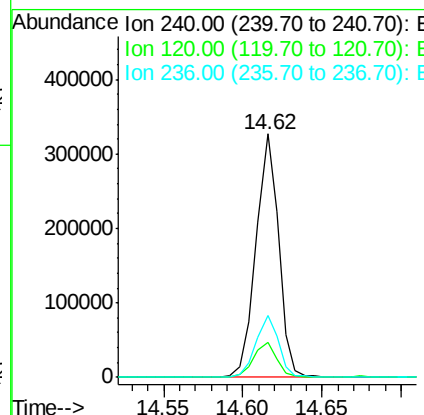
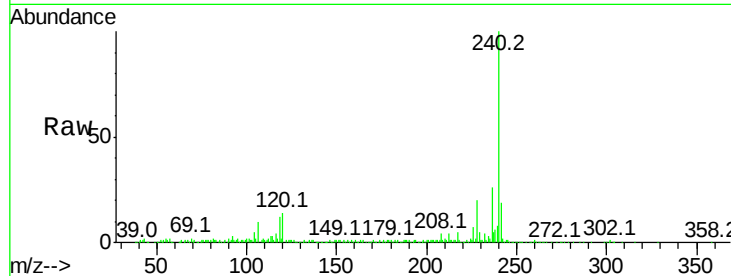
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.5	20.5	30.7

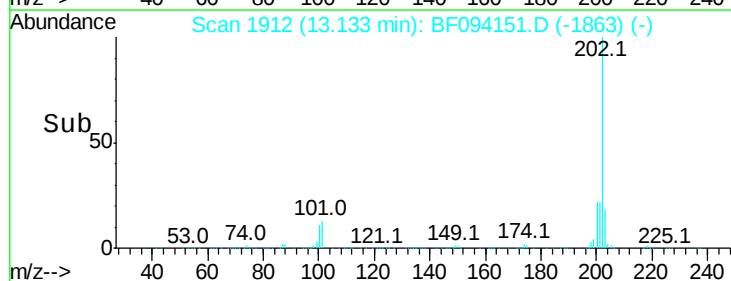
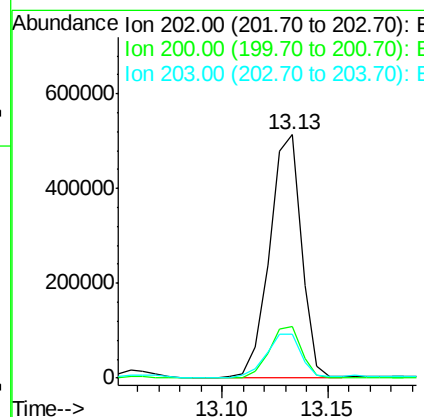
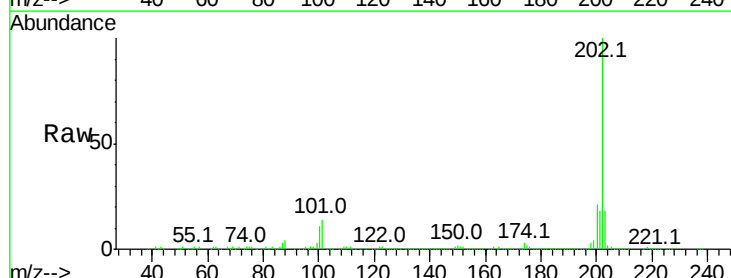
Manual Integrations
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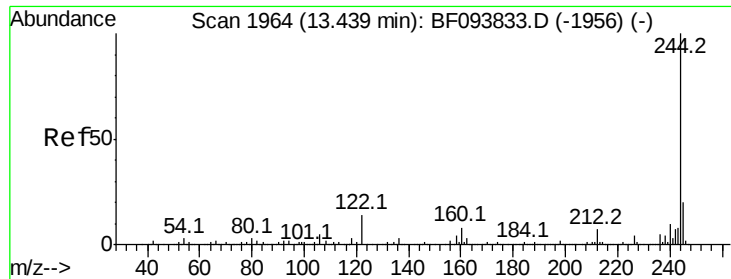
mohammad
4/4/2017 5:35:05 PM



#77
Pyrene
Concen: 22.81 ng
RT: 13.13 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.8	14.4	21.6





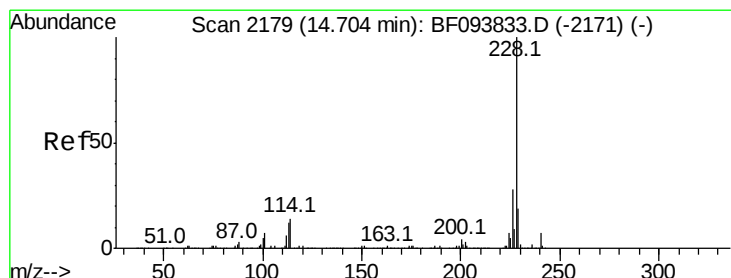
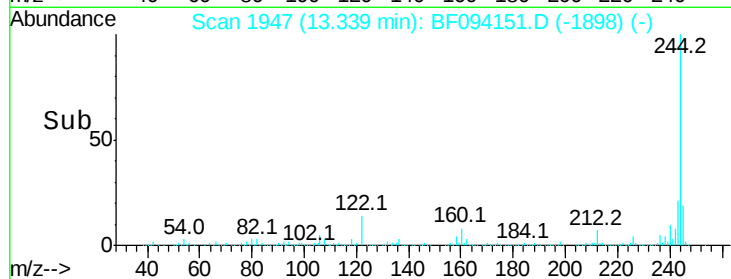
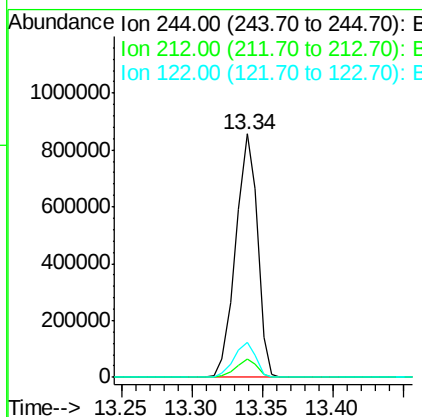
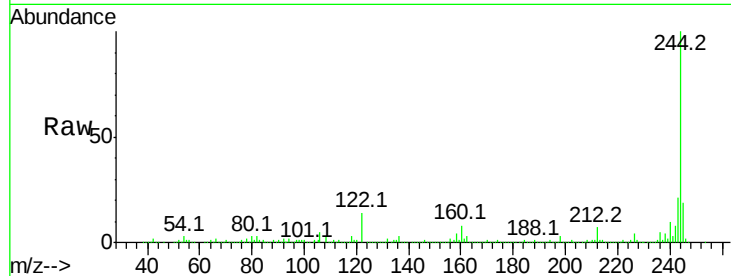
#78
 Terphenyl-d14
 Concen: 63.34 ng
 RT: 13.34 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BF094151.D
 Acq: 4 Apr 2017 6:37

Instrument :
 BNA_F
 ClientSampleId :
 E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.4	10.3	15.5

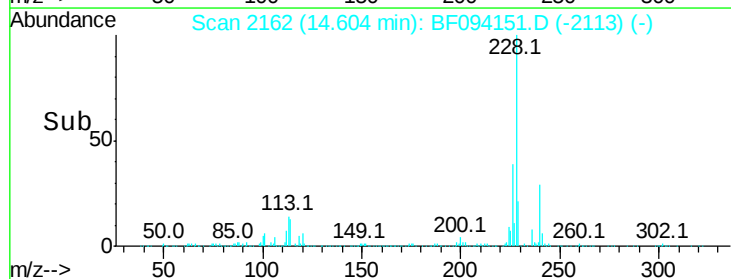
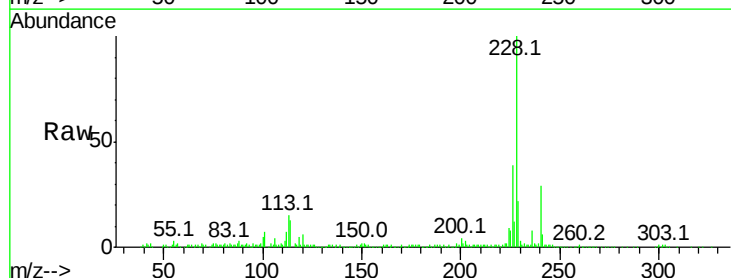
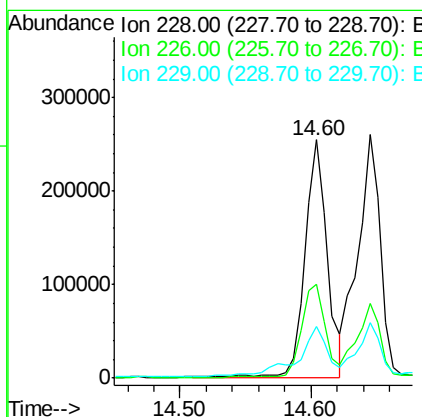
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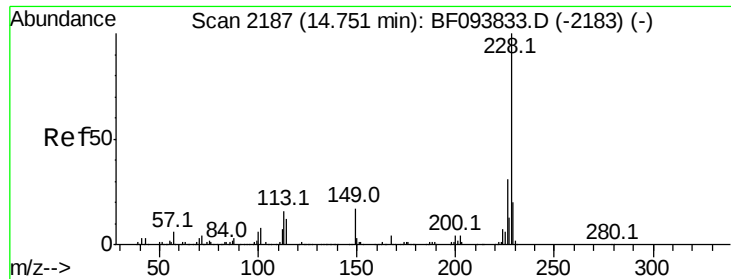
mohammad
 4/4/2017 5:35:05 PM



#80
 Benzo(a)anthracene
 Concen: 16.08 ng m
 RT: 14.60 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: BF094151.D
 Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.3	22.6	33.8#
229	21.6	16.3	24.5





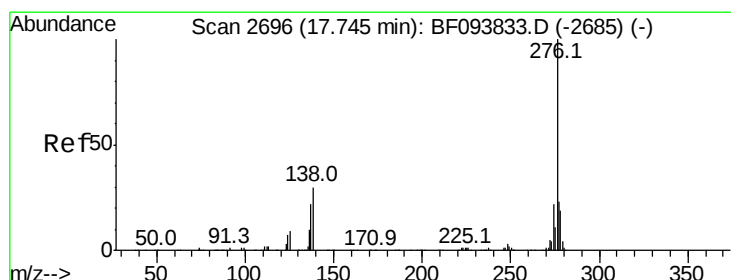
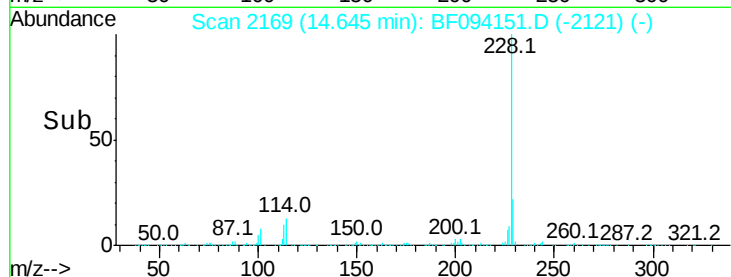
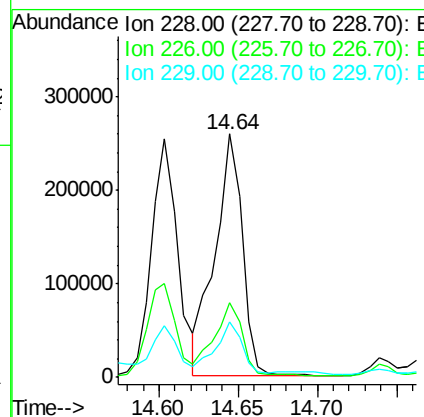
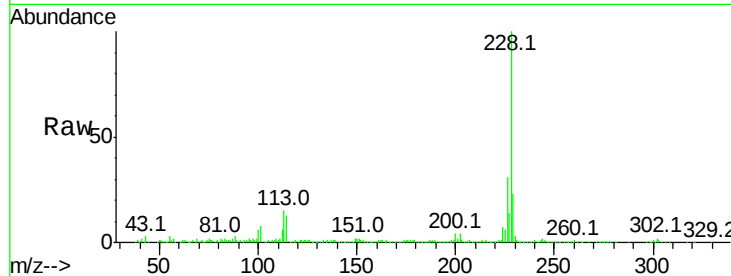
#82
Chrysene
Concen: 17.82 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	313220		
226	30.7		24.9	37.3
229	22.6		15.8	23.6

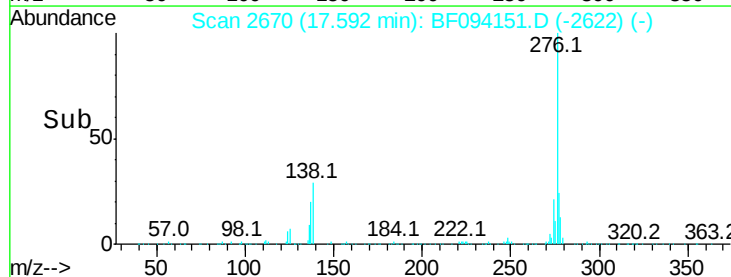
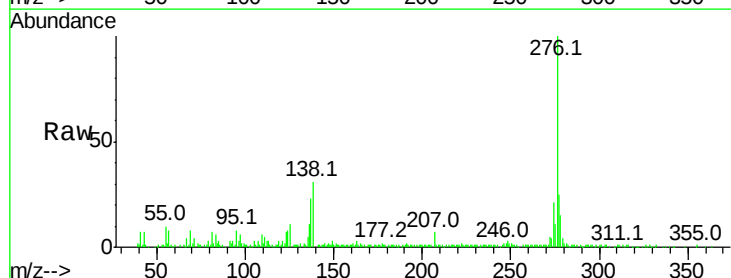
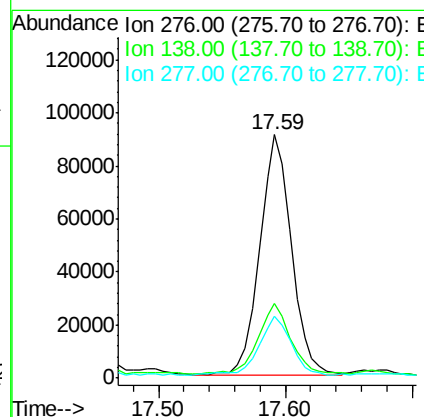
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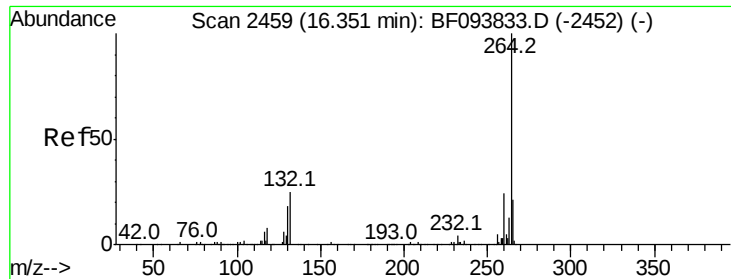
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.46 ng
RT: 17.59 min Scan# 2670
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	159193		
138	30.2		27.8	41.6
277	25.0		20.2	30.4





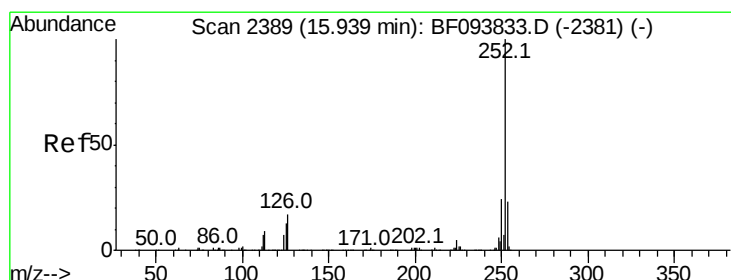
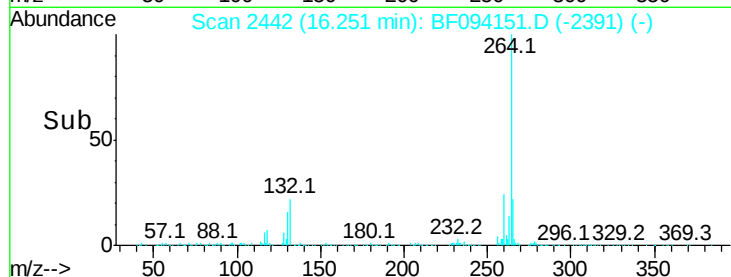
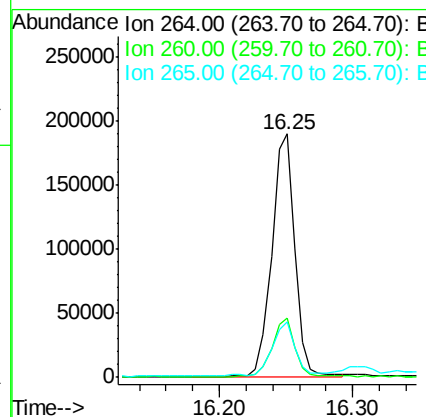
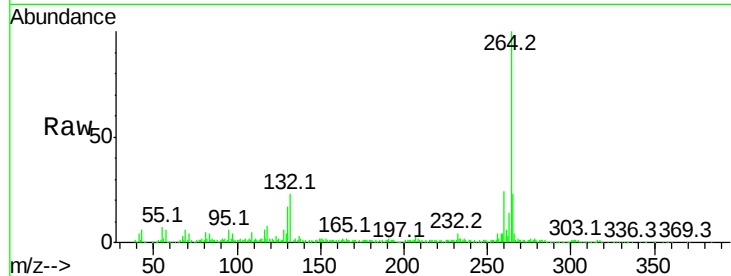
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.5	17.2	25.8

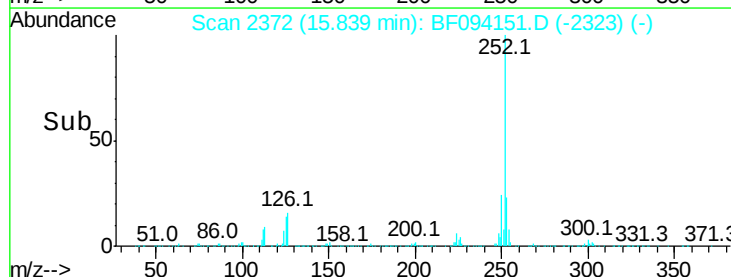
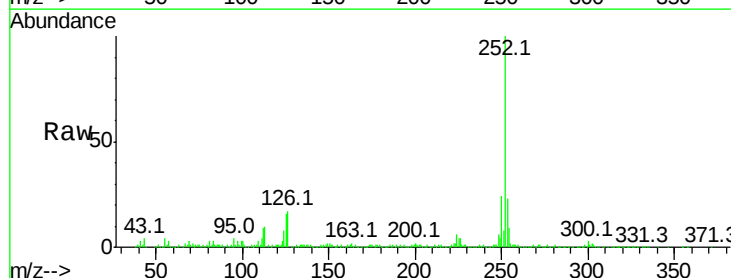
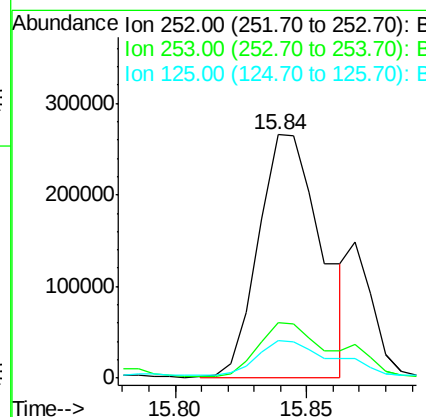
Manual Integrations
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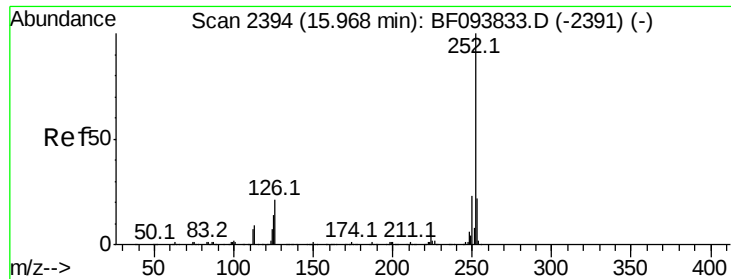
mohammad
4/4/2017 5:35:05 PM



#87
Benzo(b)fluoranthene
Concen: 31.62 ng m
RT: 15.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	15.6	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 7.47 ng

RT: 15.87 min Scan# 2377

Delta R.T. -0.01 min

Lab File: BF094151.D

Acq: 4 Apr 2017 6:37

Instrument :

BNA_F

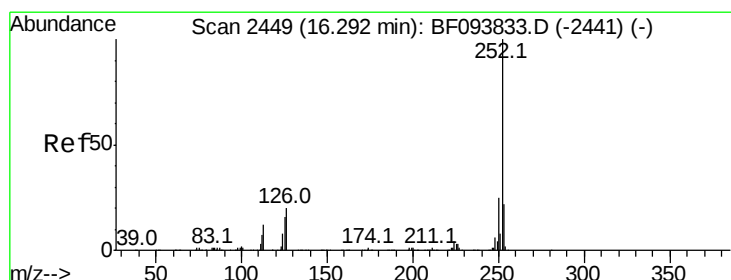
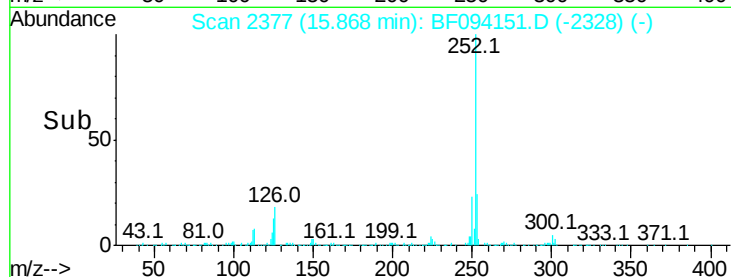
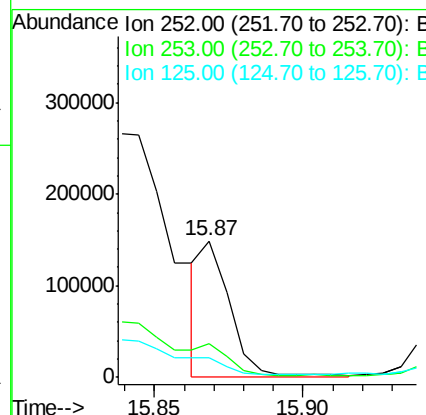
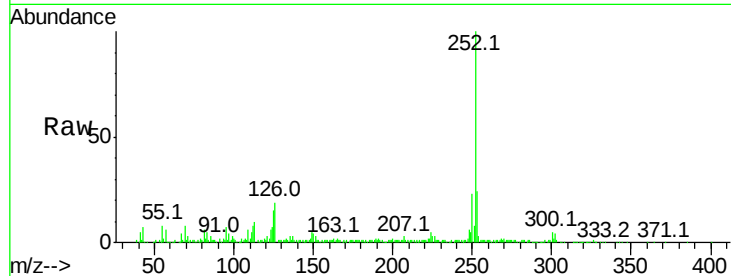
ClientSampleId :

E2-P-O-11-12-BASE

Tot Ion:	252	Resp:	101876
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.4	27.6
125	14.6	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 17.74 ng

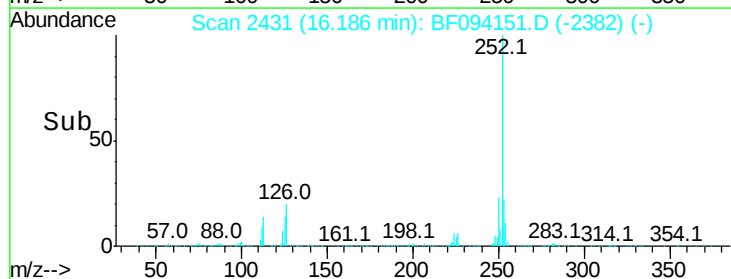
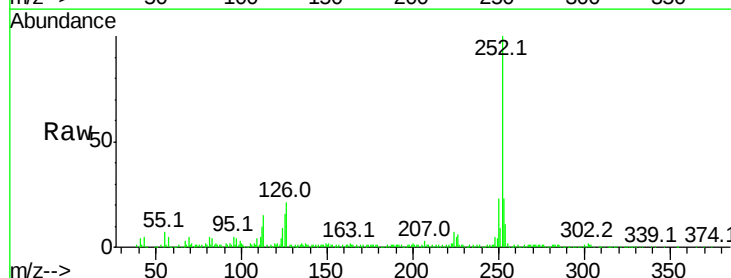
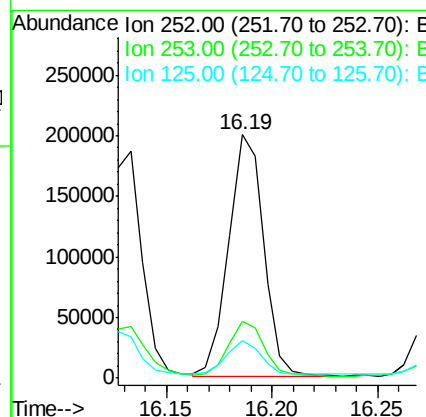
RT: 16.19 min Scan# 2431

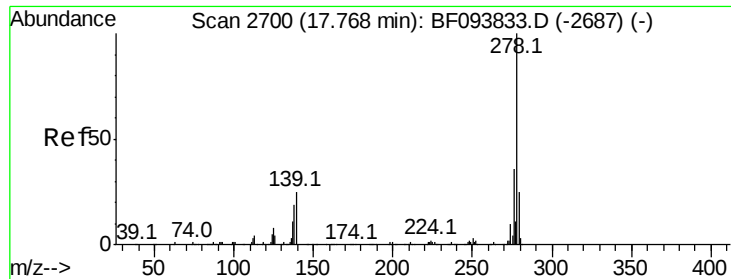
Delta R.T. -0.01 min

Lab File: BF094151.D

Acq: 4 Apr 2017 6:37

Tgt Ion:	252	Resp:	227692
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	15.5	11.0	16.4





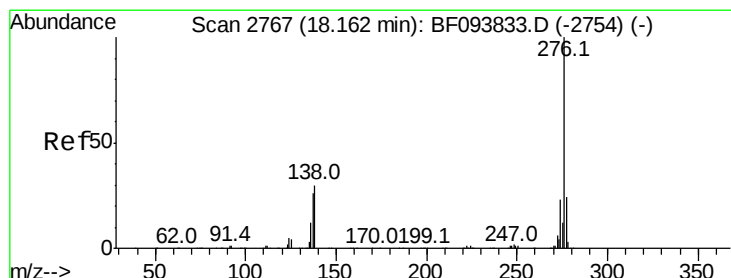
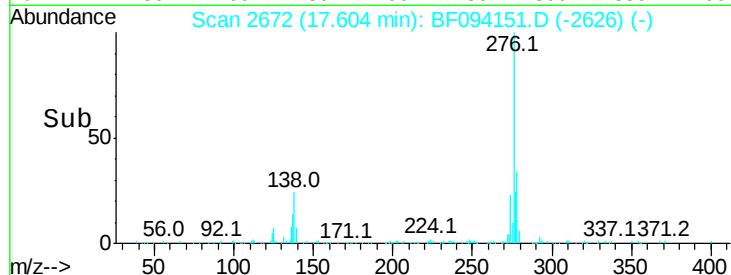
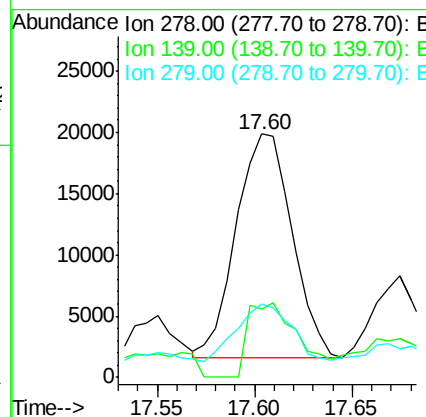
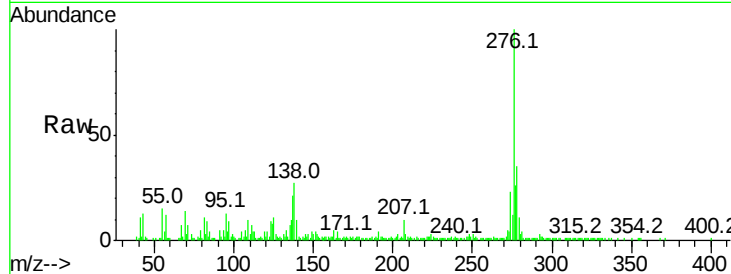
#90
Dibenzo(a,h)anthracene
Concen: 3.34 ng
RT: 17.60 min Scan# 2672
Delta R.T. -0.03 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Instrument :
BNA_F
ClientSampleId :
E2-P-O-11-12-BASE

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.8	16.6	24.8#
279	29.9	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 15.12 ng
RT: 17.99 min Scan# 2738
Delta R.T. -0.02 min
Lab File: BF094151.D
Acq: 4 Apr 2017 6:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	31.8	25.4	38.0

