

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093932.D
 Acq On : 25 Mar 2017 3:03
 Operator : SJ/MA
 Sample : I2379-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

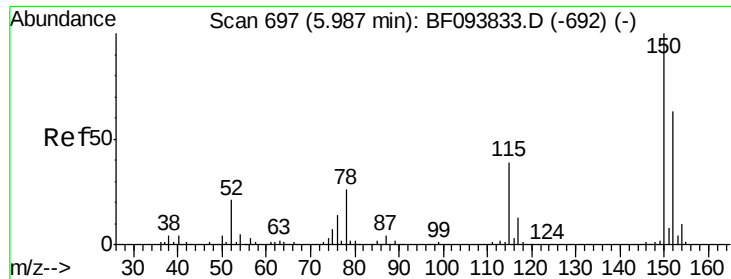
Manual Integrations
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mohammad
 3/27/2017 12:56:55 PM

Quant Time: Mar 25 05:04:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	171468	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	663419	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	274679	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	404441	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	303535	20.00	ng	-0.03
86) Perylene-d12	16.32	264	252270	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1375314	135.47	ng	0.00
7) Phenol-d6	5.56	99	1727196	137.53	ng	0.00
23) Nitrobenzene-d5	6.61	82	1064985	91.61	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	276273	127.28	ng	-0.03
44) 2-Fluorobiphenyl	8.79	172	1586416	88.09	ng	-0.03
78) Terphenyl-d14	13.41	244	896937	66.24	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	178452	9.14	ng	98
51) Acenaphthene	9.65	154	66976	3.98	ng	96
57) Fluorene	10.28	166	65725	3.46	ng	98
70) Phenanthrene	11.46	178	797941	35.47	ng	98
71) Anthracene	11.52	178	229336	9.90	ng	98
72) Carbazole	11.72	167	128539	5.41	ng	97
74) Fluoranthene	12.93	202	1156040	50.18	ng	99
77) Pyrene	13.20	202	1001693	45.47	ng	98
80) Benzo(a)anthracene	14.67	228	524021	29.61	ng	100
82) Chrysene	14.72	228	497607	30.29	ng	97
85) Indeno(1,2,3-cd)pyrene	17.70	276	171274	12.04	ng	93
87) Benzo(b)fluoranthene	15.91	252	558523m	36.12	ng	
88) Benzo(k)fluoranthene	15.93	252	178024m	11.77	ng	
89) Benzo(a)pyrene	16.26	252	360898	25.34	ng	98
90) Dibenzo(a,h)anthracene	17.71	278	48450	4.02	ng	95
91) Benzo(g,h,i)perylene	18.10	276	151390	12.46	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.96 min Scan# 692

Delta R.T. -0.03 min

Lab File: BF093932.D

Acq: 25 Mar 2017 3:03

Instrument :

BNA_F

ClientSampleId :

B-3

Tot Ion:152 Resp: 171468

Ion Ratio Lower Upper

152 100

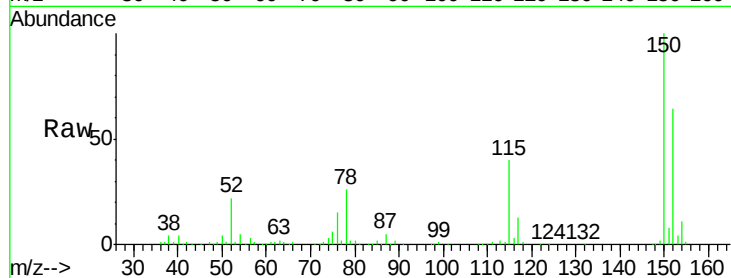
150 157.0 126.2 189.2

115 63.2 52.2 78.2

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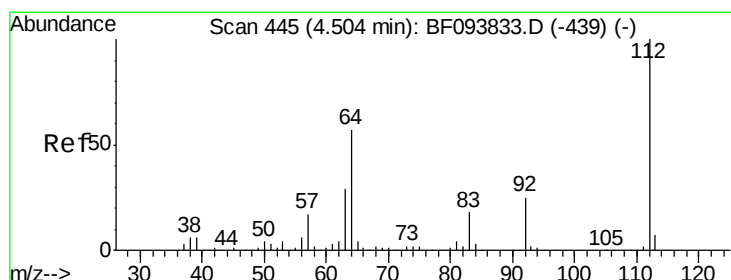
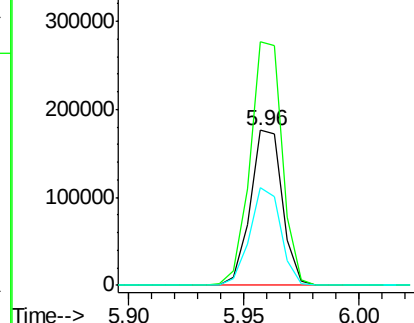
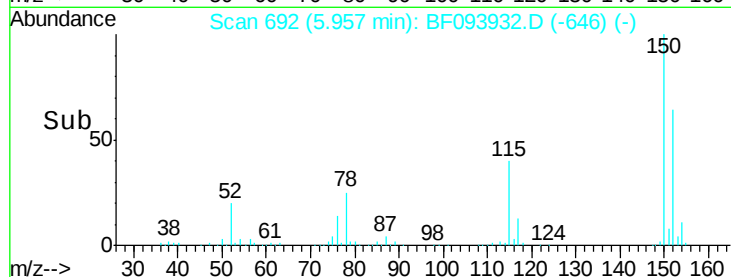
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 135.47 ng

RT: 4.50 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF093932.D

Acq: 25 Mar 2017 3:03

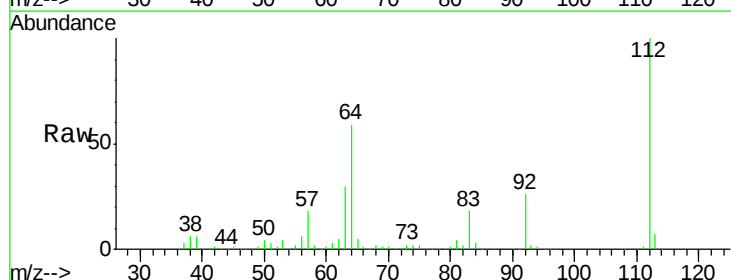
Tgt Ion:112 Resp: 1375314

Ion Ratio Lower Upper

112 100

64 58.6 46.0 69.0

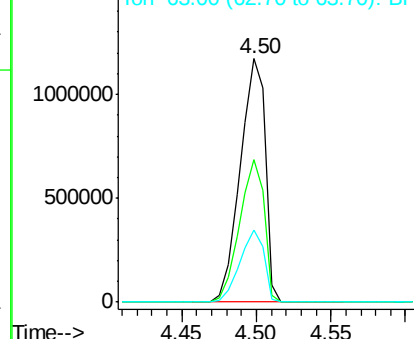
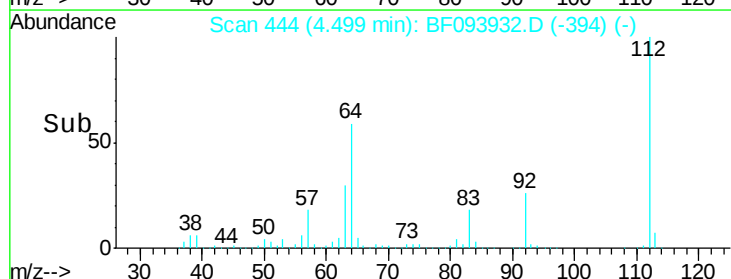
63 29.6 23.4 35.0

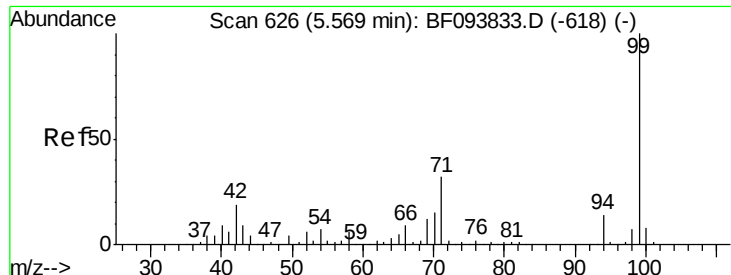


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.53 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093932.D

Acq: 25 Mar 2017 3:03

Instrument :

BNA_F

ClientSampleId :

B-3

Tot Ion: 99 Resp: 1727196

Ion Ratio Lower Upper

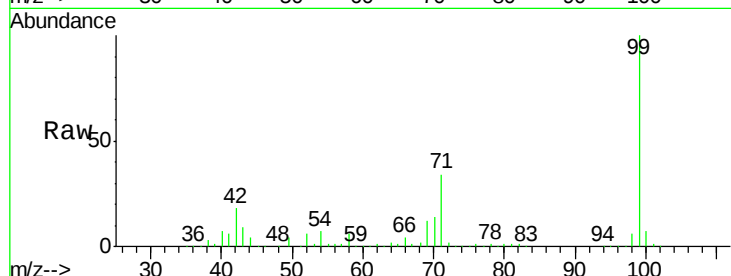
99 100

42 17.8 13.5 20.3

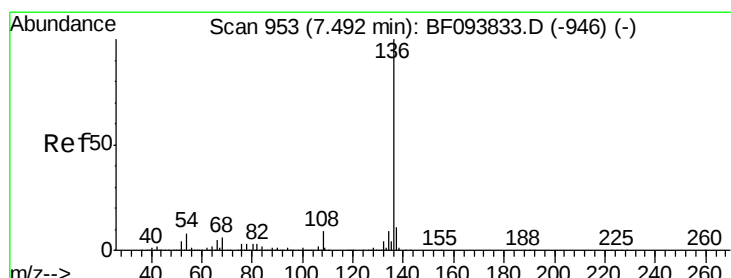
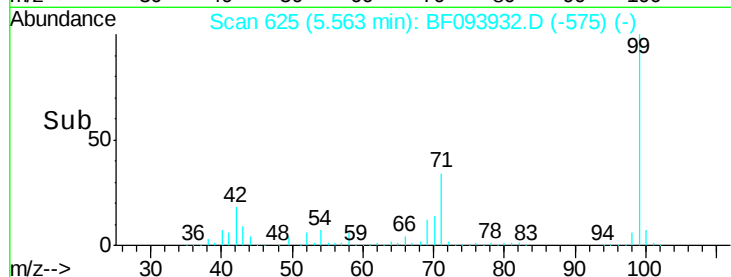
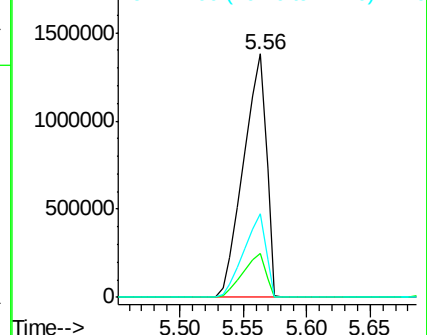
71 34.4 24.5 36.7

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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: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093932.D

Acq: 25 Mar 2017 3:03

Tgt Ion: 136 Resp: 663419

Ion Ratio Lower Upper

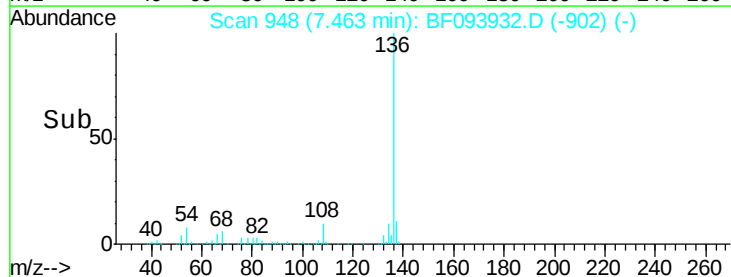
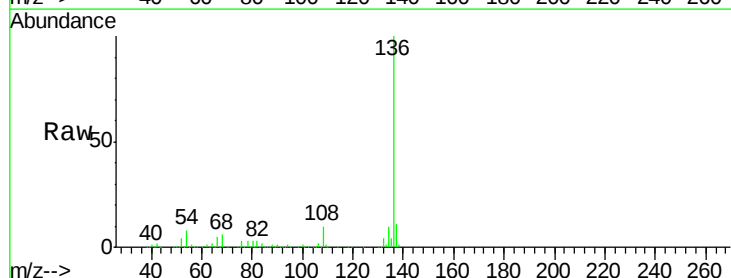
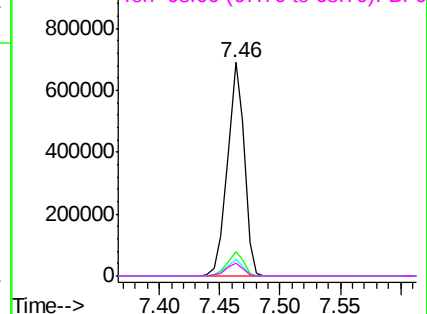
136 100

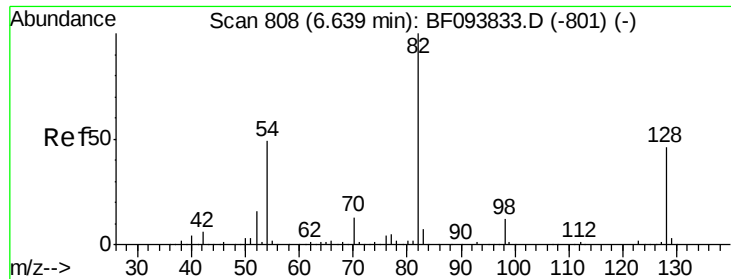
137 11.2 8.5 12.7

54 7.7 4.9 7.3#

68 6.3 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





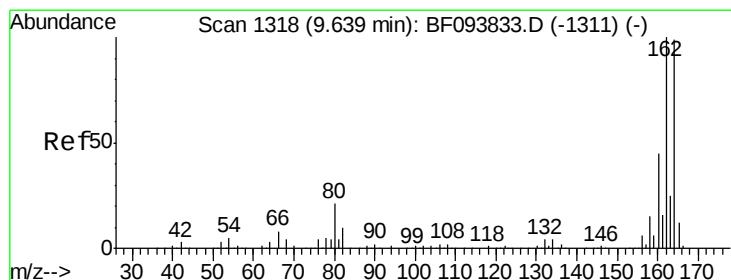
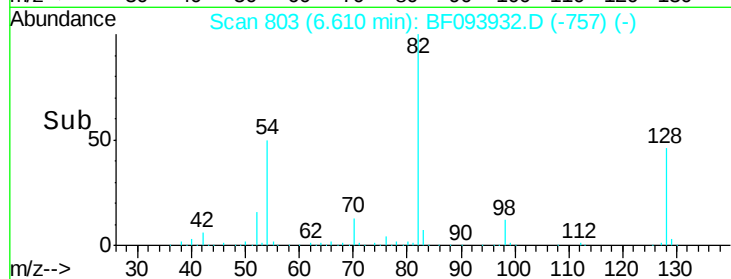
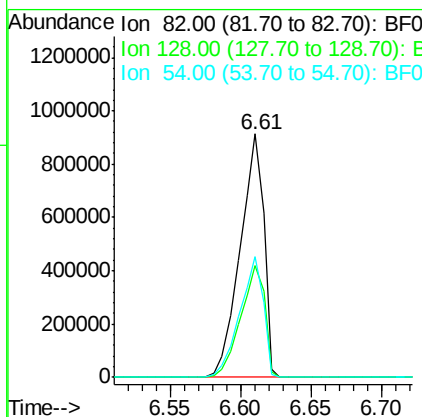
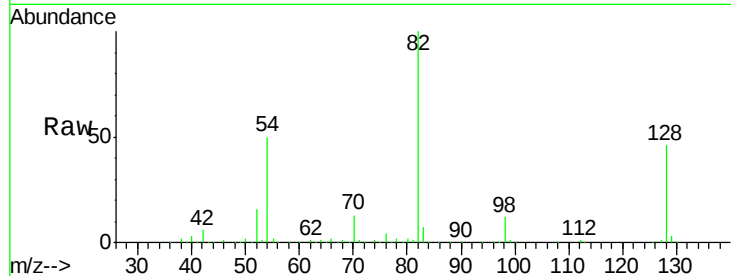
#23
 Nitrobenzene-d5
 Concen: 91.61 ng
 RT: 6.61 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Instrument :
 BNA_F
 ClientSampleID :
 B-3

Tot Ion: 82 Resp: 1064985
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.0 51.0
 54 49.6 42.2 63.2

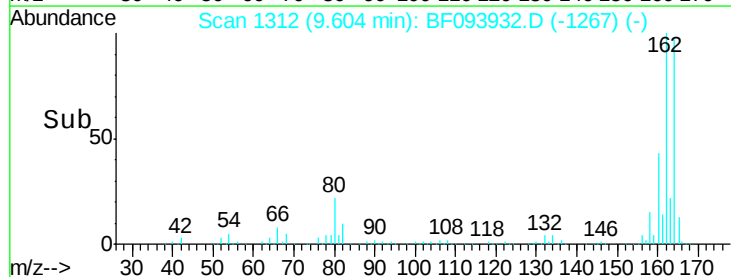
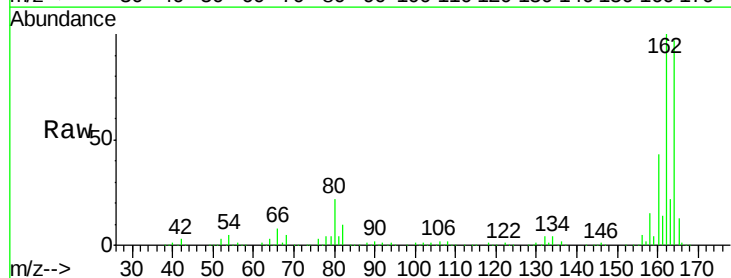
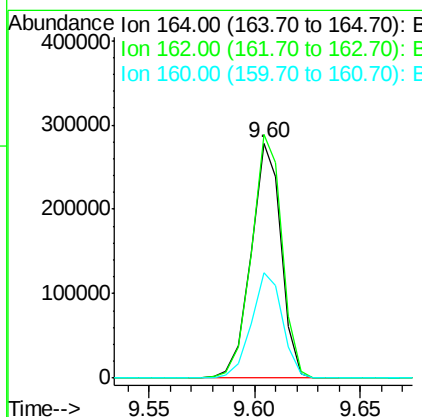
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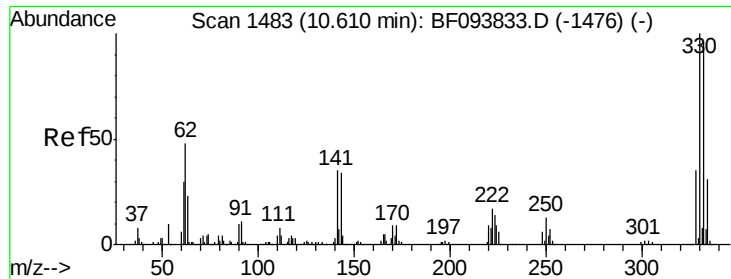
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.04 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Tgt Ion: 164 Resp: 274679
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 44.7 36.2 54.2





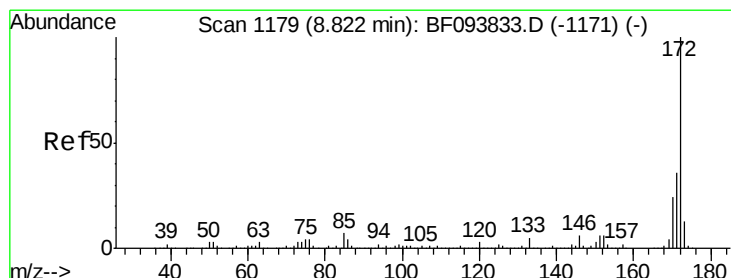
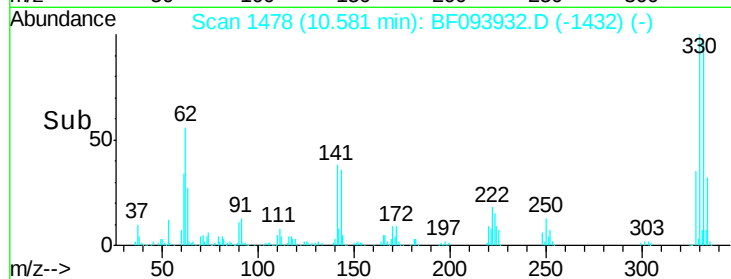
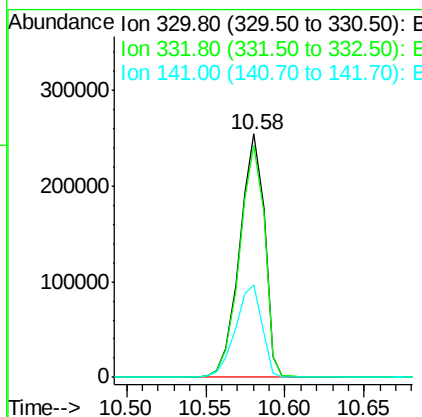
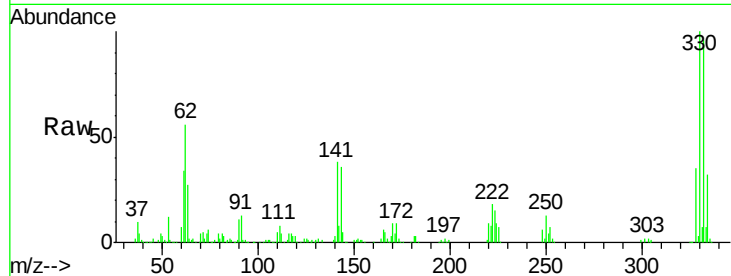
#41
 2,4,6-Tribromophenol
 Concen: 127.28 ng
 RT: 10.58 min Scan# 1478
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	276273		
332	96.7	76.6	115.0	
141	40.4	31.4	47.2	

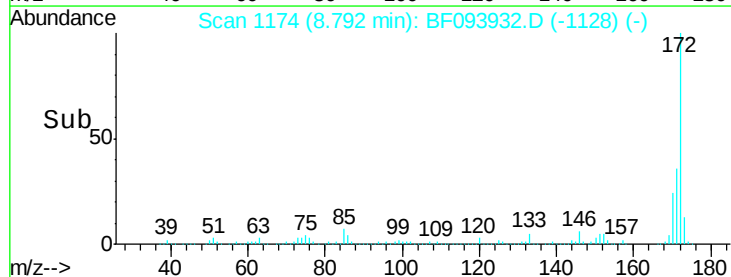
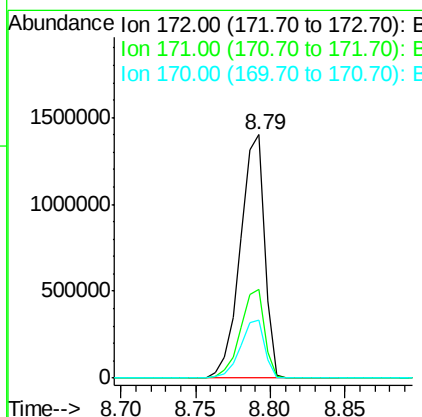
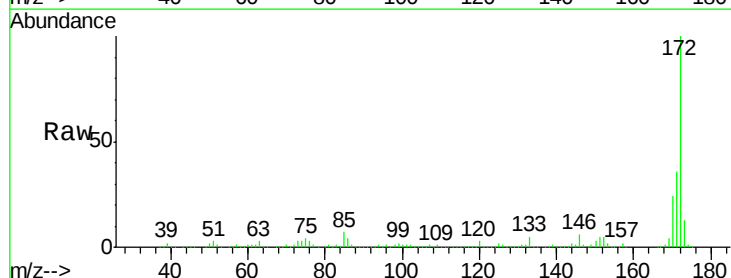
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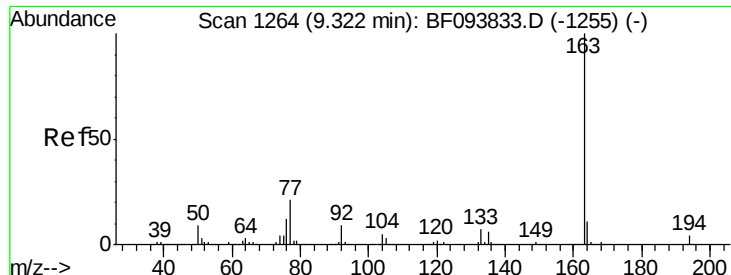
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#44
 2-Fluorobiphenyl
 Concen: 88.09 ng
 RT: 8.79 min Scan# 1174
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1586416		
171	36.3	29.6	44.4	
170	24.0	19.8	29.8	





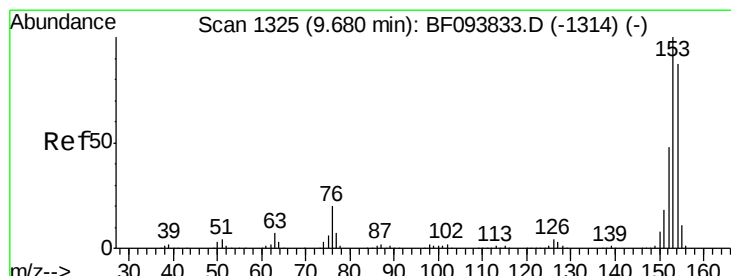
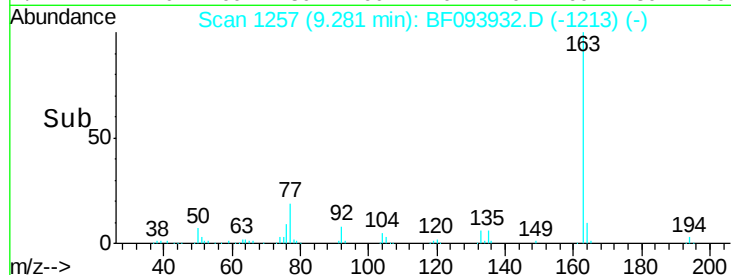
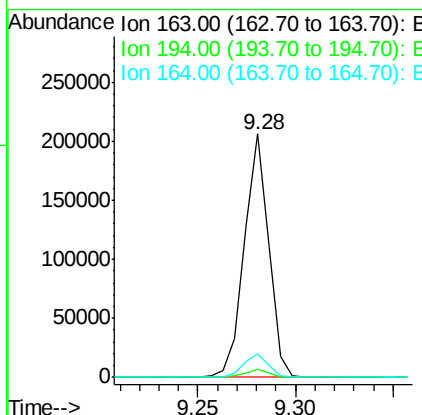
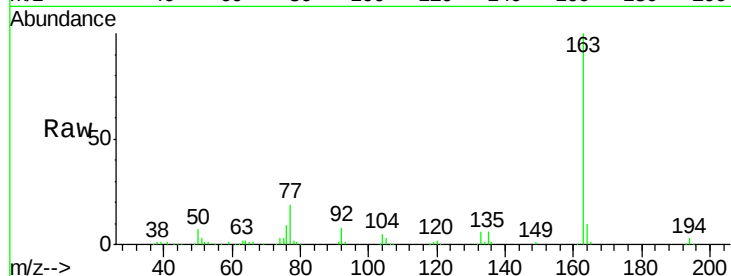
#49
Dimethylphthalate
Concen: 9.14 ng
RT: 9.28 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion:	163	Resp:	178452
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	9.7	8.4	12.6

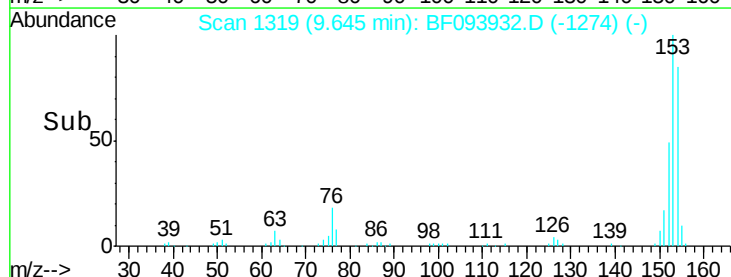
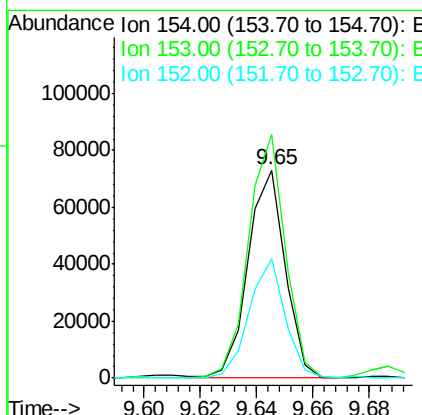
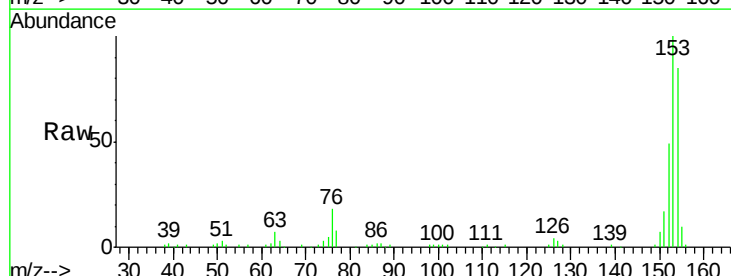
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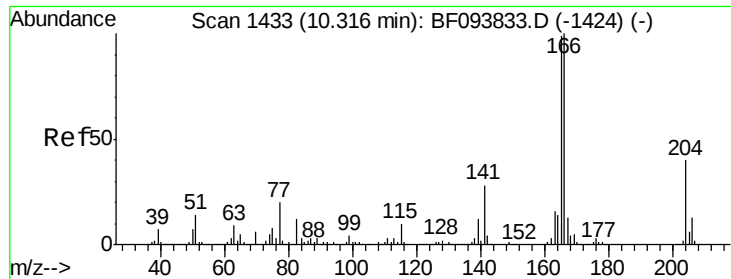
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#51
Acenaphthene
Concen: 3.98 ng
RT: 9.65 min Scan# 1319
Delta R.T. -0.04 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion:	154	Resp:	66976
Ion Ratio	Lower	Upper	
154	100		
153	117.0	90.5	135.7
152	57.1	43.6	65.4





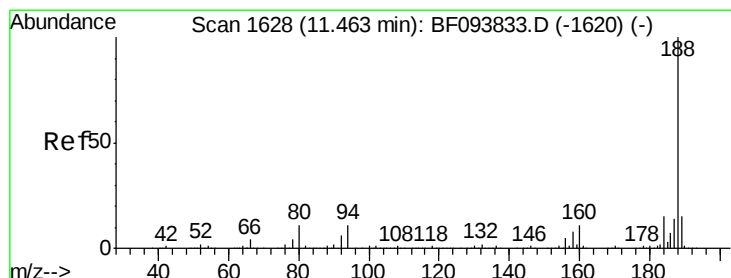
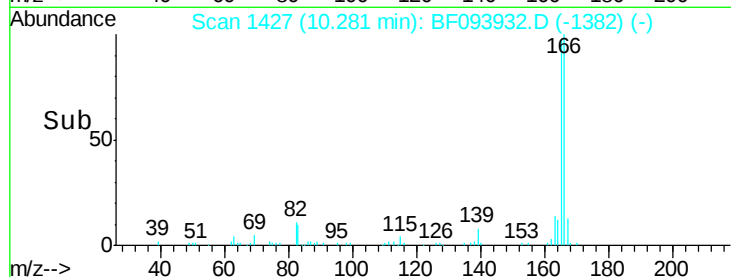
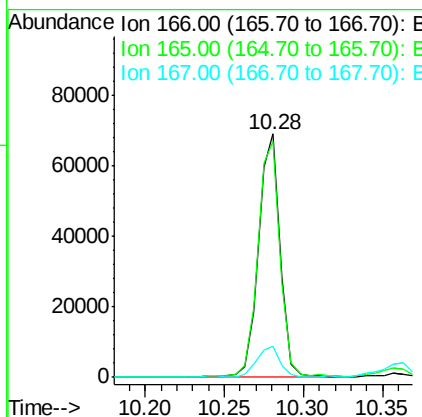
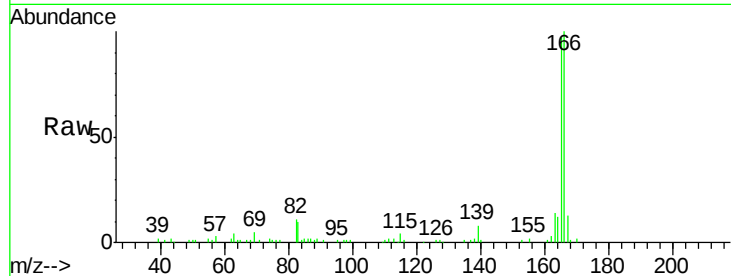
#57
Fluorene
 Concen: 3.46 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.8	118.2
167	12.6	10.6	16.0

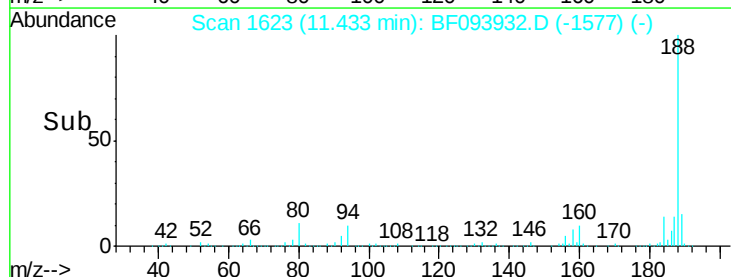
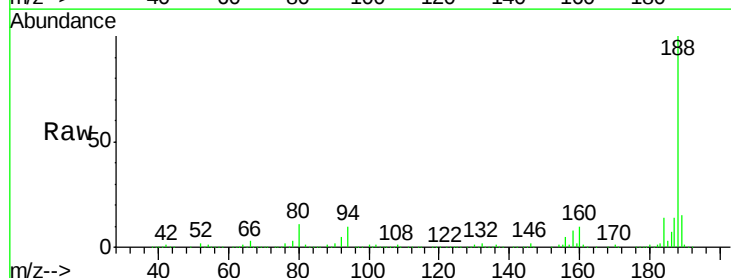
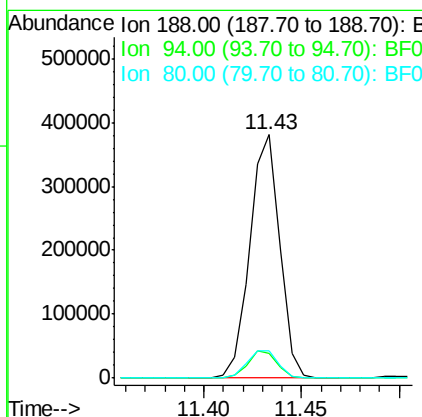
Manual Integrations
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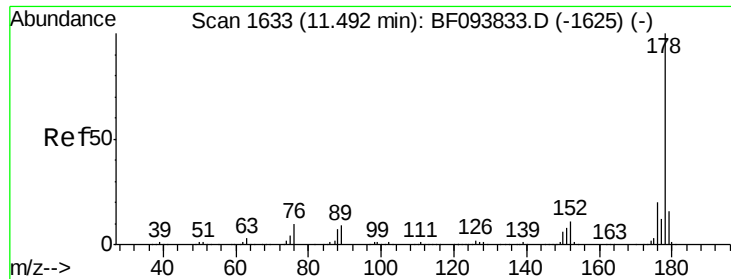
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1623
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.1	10.2	15.2





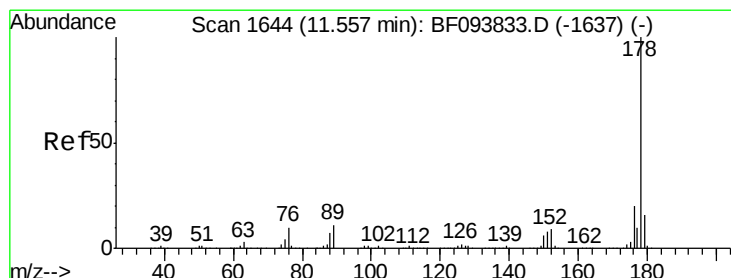
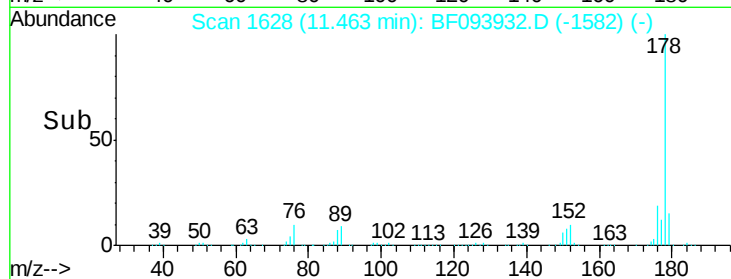
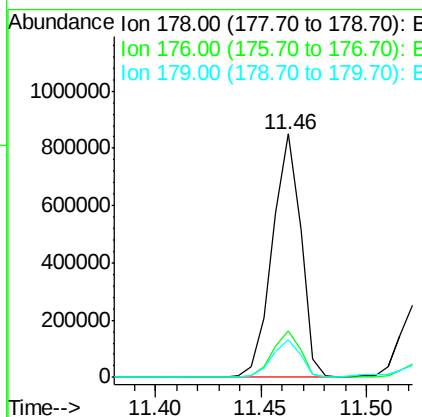
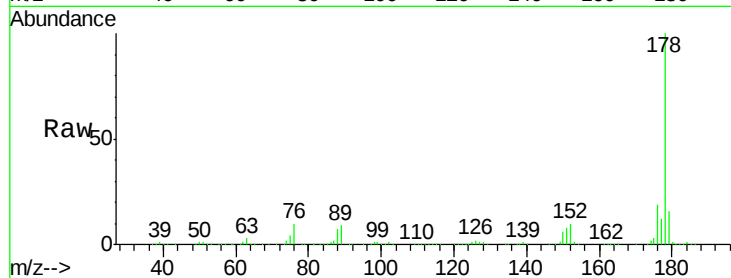
#70
Phenanthrene
Concen: 35.47 ng
RT: 11.46 min Scan# 1628
Delta R.T. -0.03 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.5	12.6	19.0

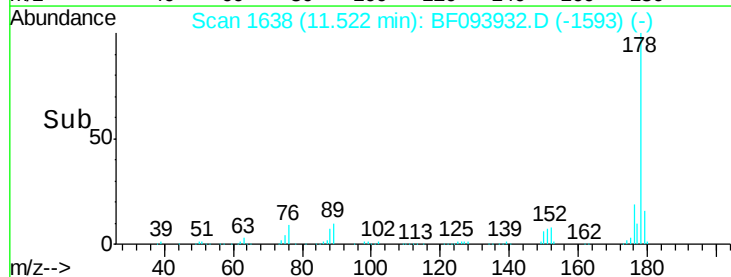
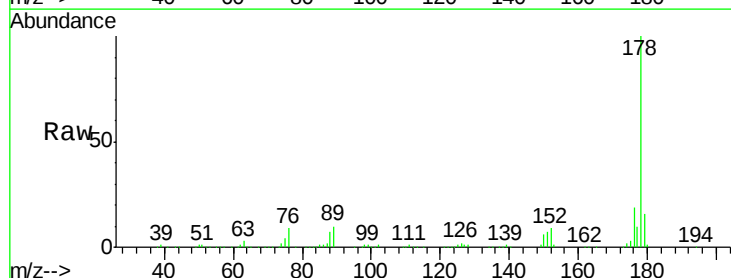
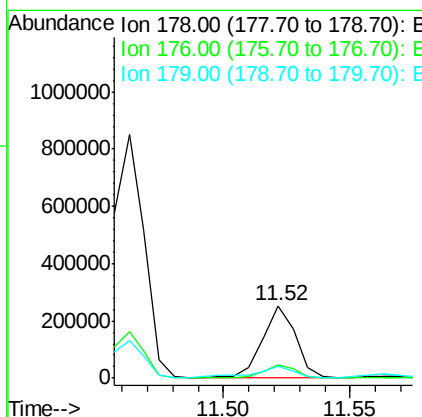
Manual Integrations
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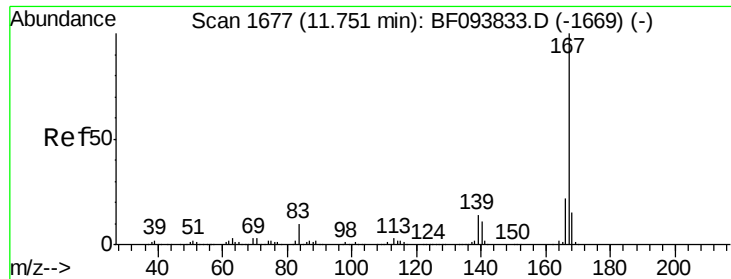
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#71
Anthracene
Concen: 9.90 ng
RT: 11.52 min Scan# 1638
Delta R.T. -0.04 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.1	12.7	19.1





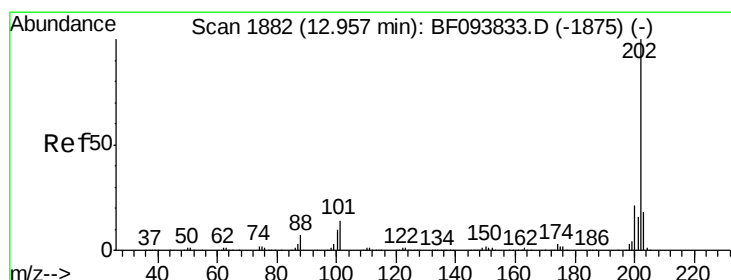
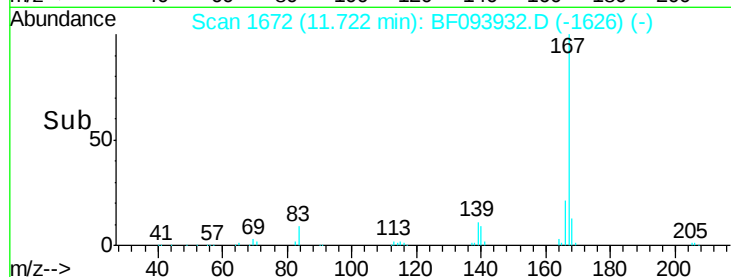
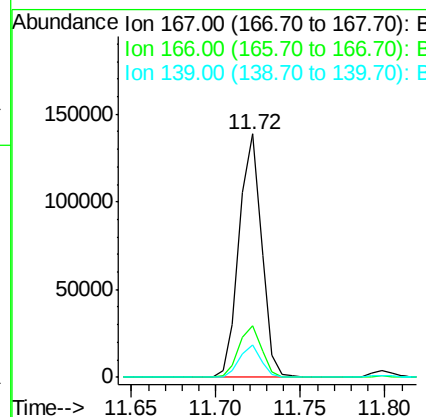
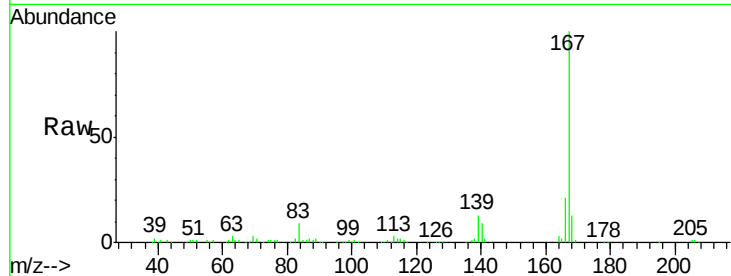
#72
 Carbazole
 Concen: 5.41 ng
 RT: 11.72 min Scan# 1672
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.1	27.1
139	13.4	11.7	17.5

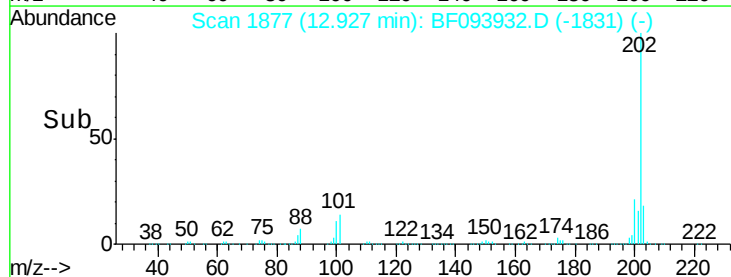
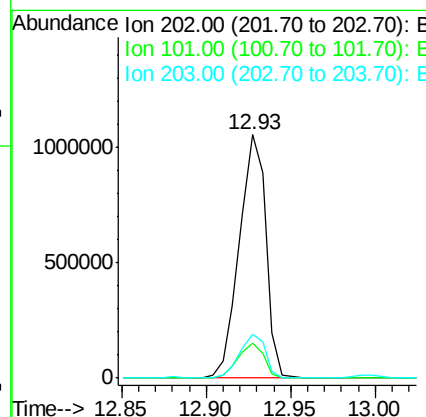
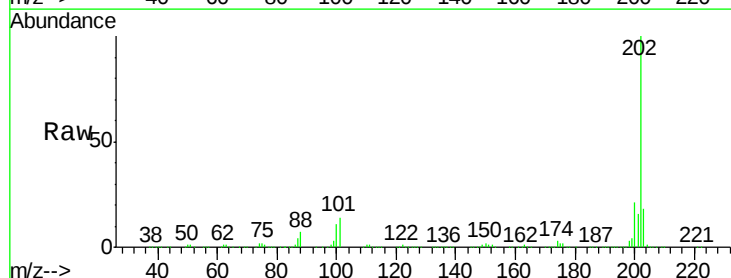
Manual Integrations
 APPROVED

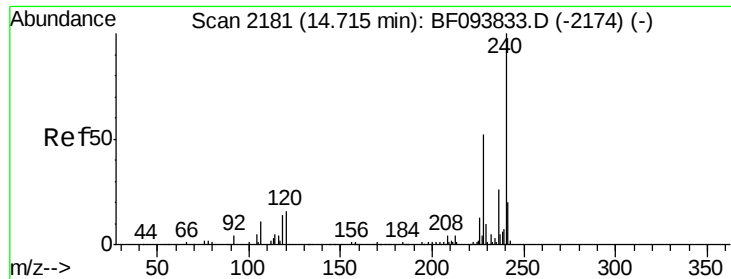
mohammad
 3/27/2017 12:56:55 PM



#74
 Fluoranthene
 Concen: 50.18 ng
 RT: 12.93 min Scan# 1877
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	18.3	0.0	38.1





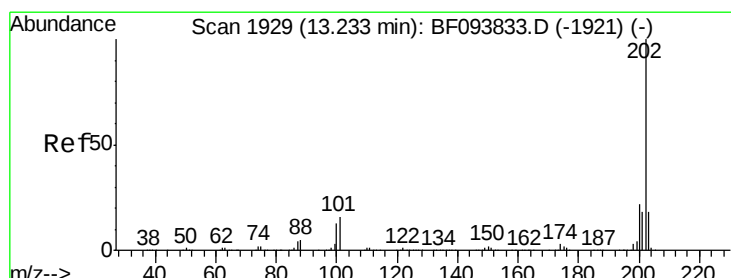
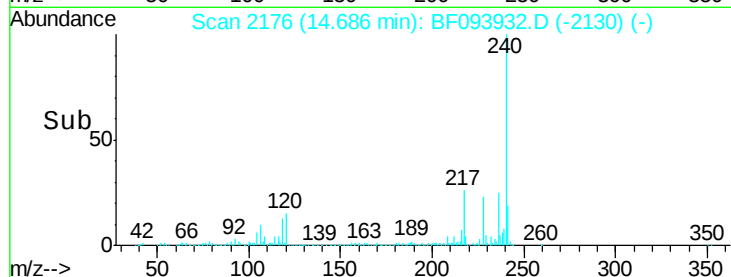
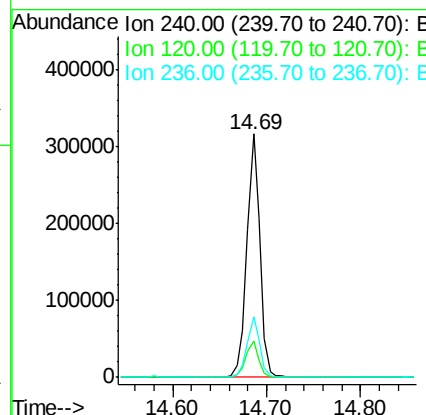
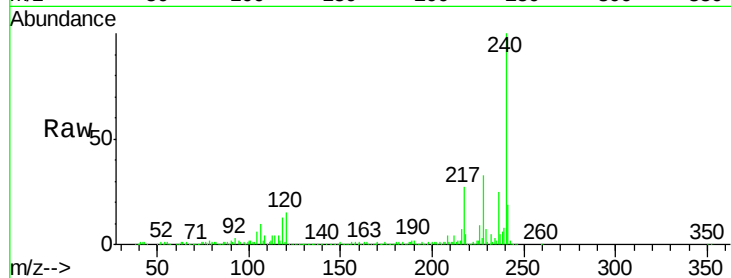
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.69 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.1	20.5	30.7

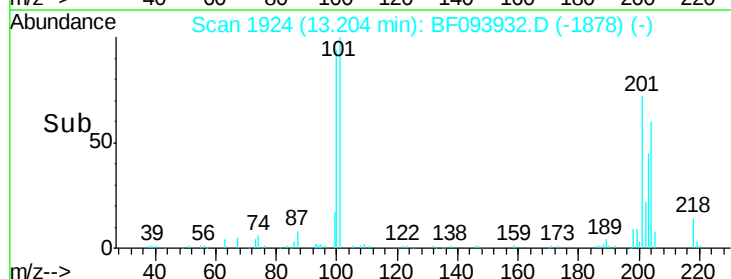
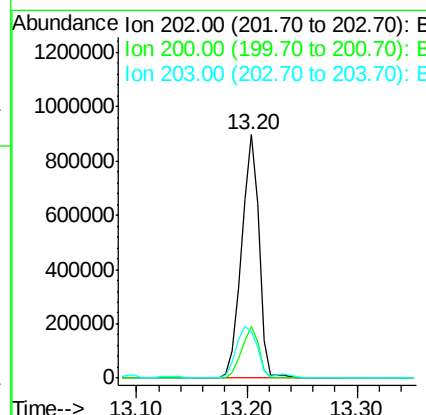
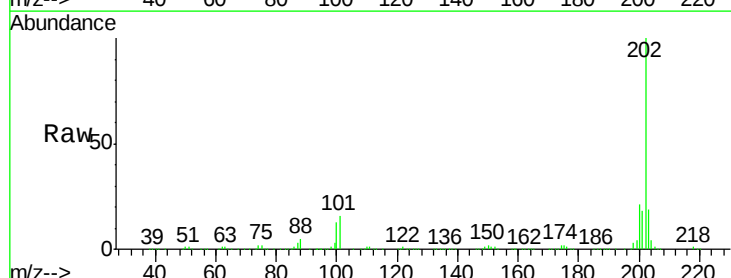
Manual Integrations
APPROVED

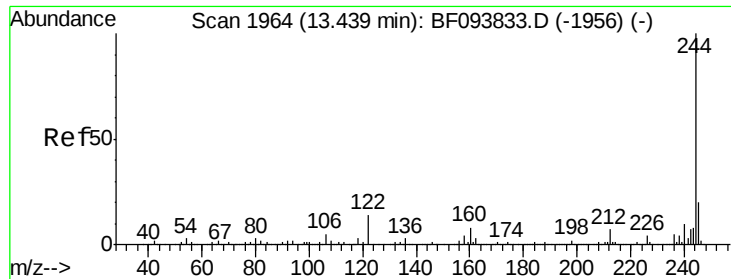
mohammad
3/27/2017 12:56:55 PM



#77
Pyrene
Concen: 45.47 ng
RT: 13.20 min Scan# 1924
Delta R.T. -0.03 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.2	14.4	21.6





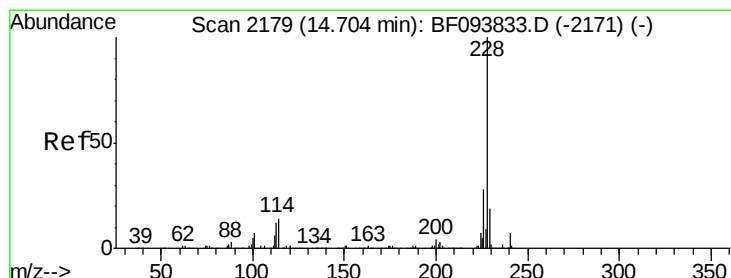
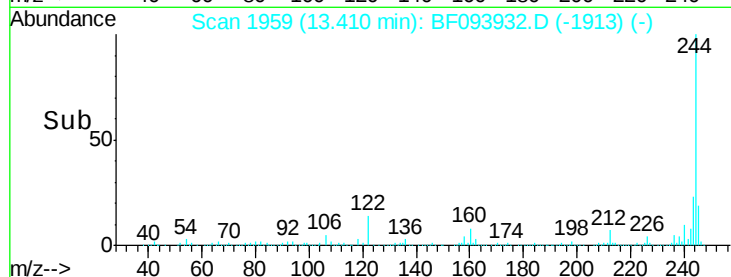
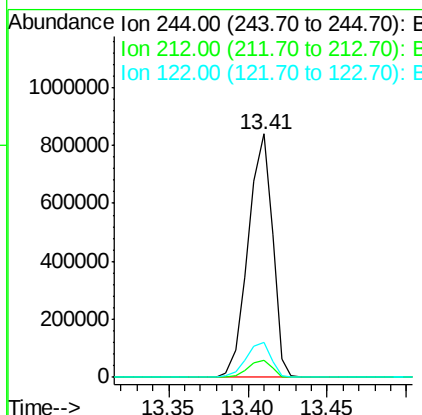
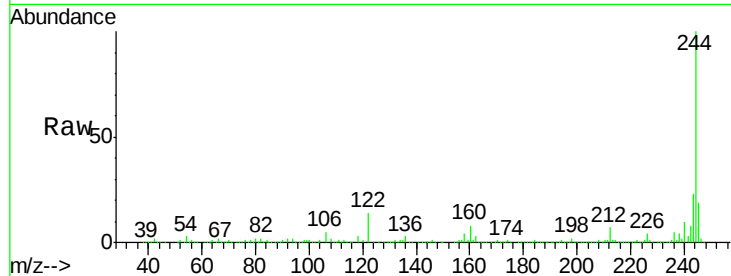
#78
 Terphenyl-d14
 Concen: 66.24 ng
 RT: 13.41 min Scan# 1959
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Instrument :
 BNA_F
 ClientSampled :
 B-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.3	10.3	15.5

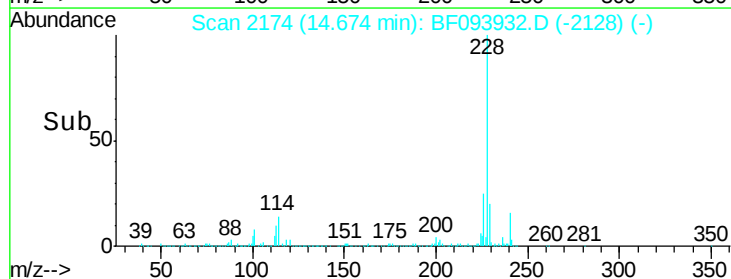
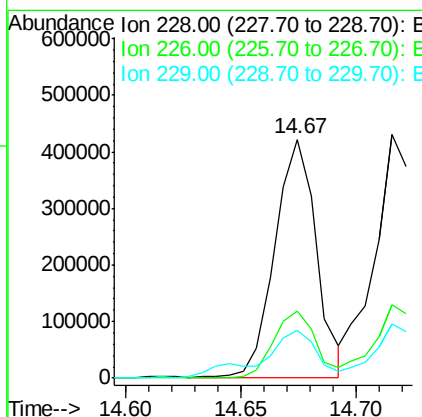
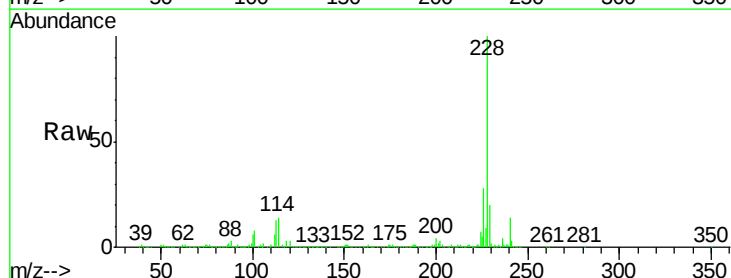
Manual Integrations
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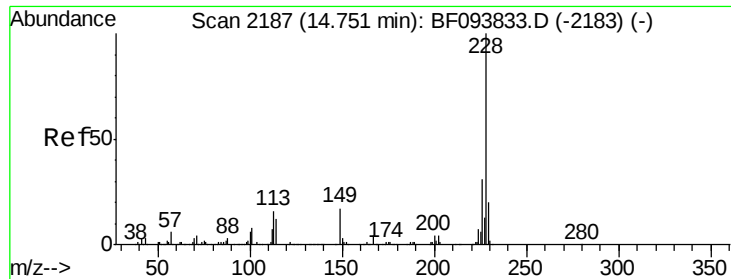
mohammad
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#80
 Benzo(a)anthracene
 Concen: 29.61 ng
 RT: 14.67 min Scan# 2174
 Delta R.T. -0.03 min
 Lab File: BF093932.D
 Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.3	16.3	24.5





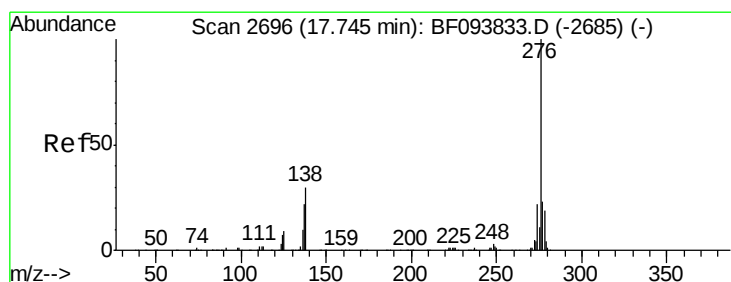
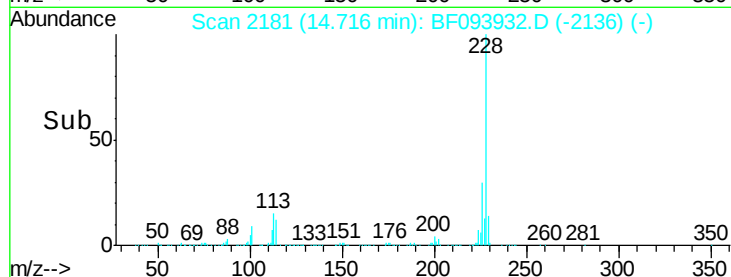
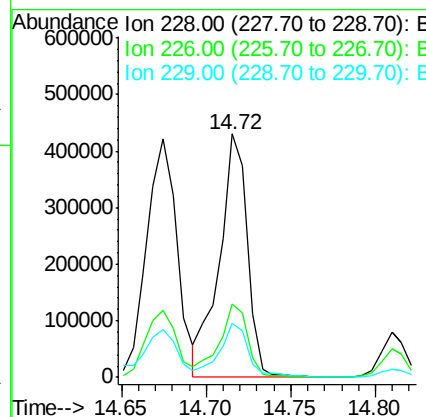
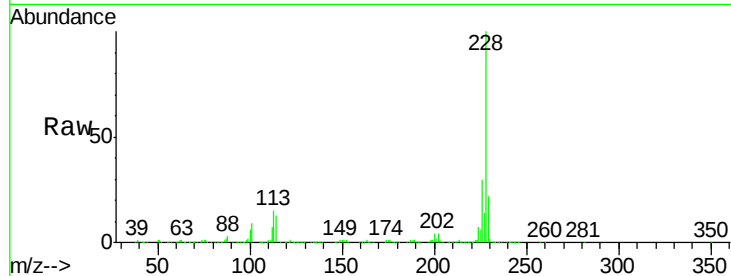
#82
Chrysene
Concen: 30.29 ng
RT: 14.72 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion:	228	Resp:	497607
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	22.2	15.8	23.6

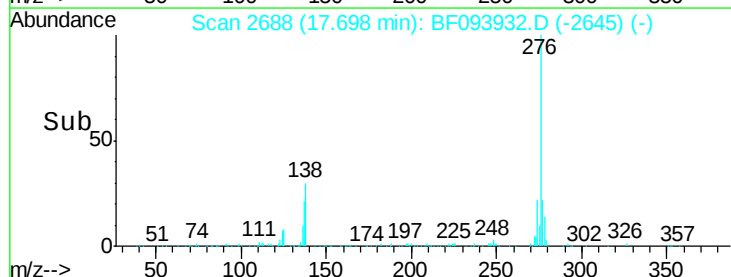
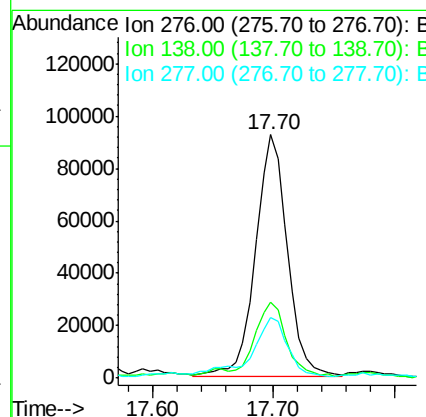
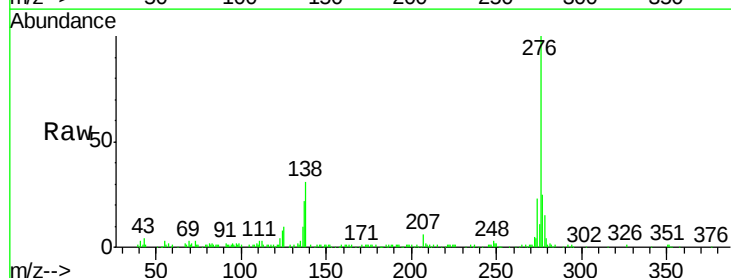
Manual Integrations
APPROVED

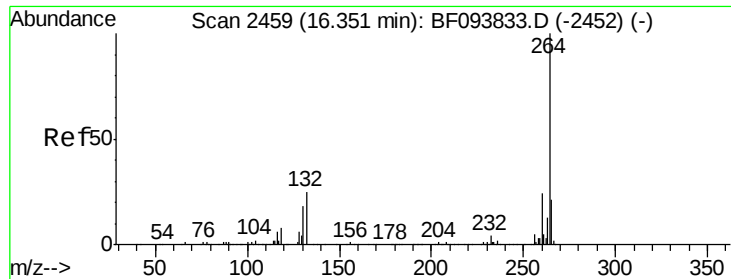
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.04 ng
RT: 17.70 min Scan# 2688
Delta R.T. -0.05 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion:	276	Resp:	171274
Ion Ratio	Lower	Upper	
276	100		
138	30.4	27.8	41.6
277	28.0	20.2	30.4





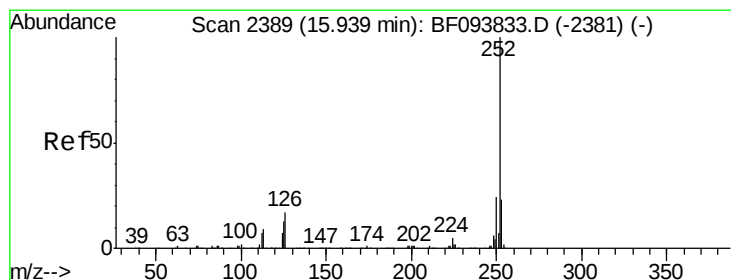
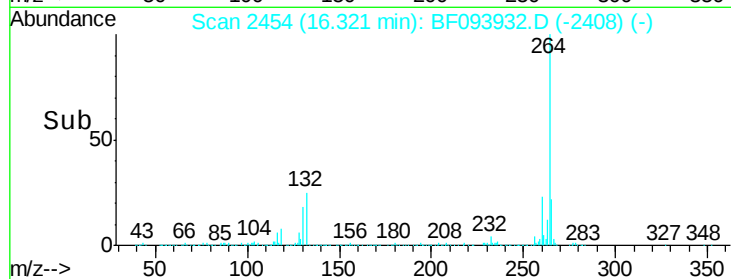
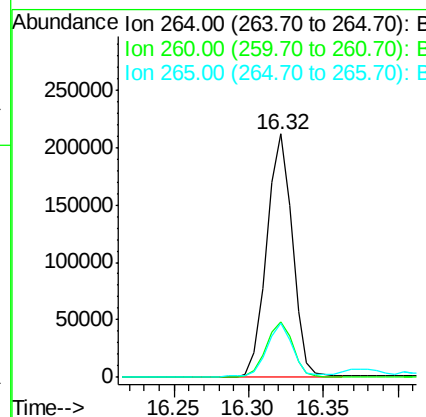
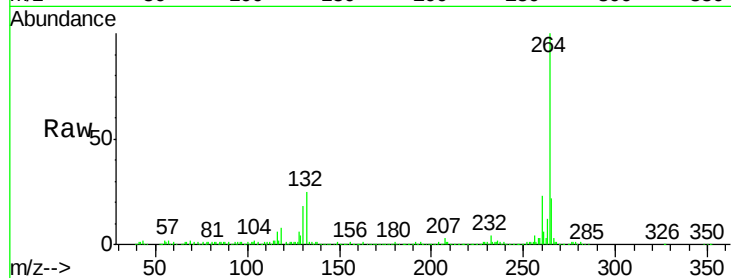
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.32 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.2	17.2	25.8

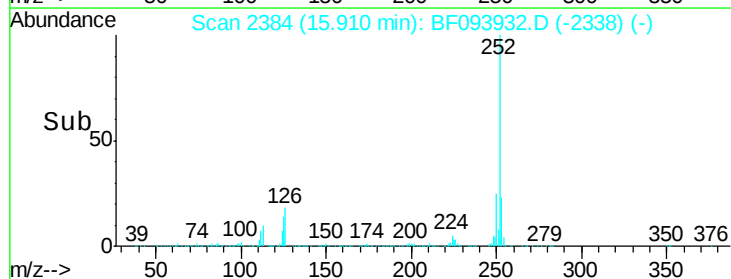
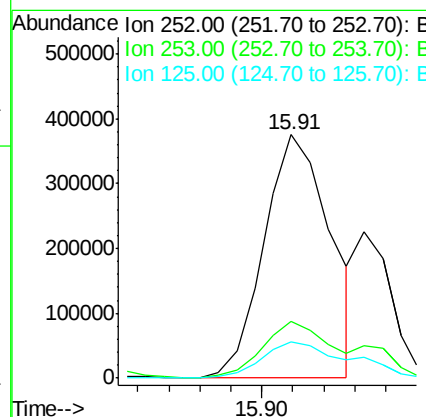
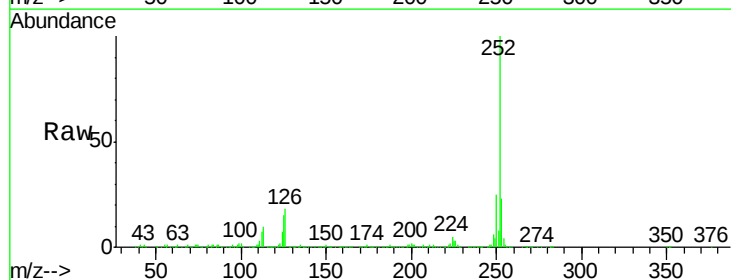
Manual Integrations
APPROVED

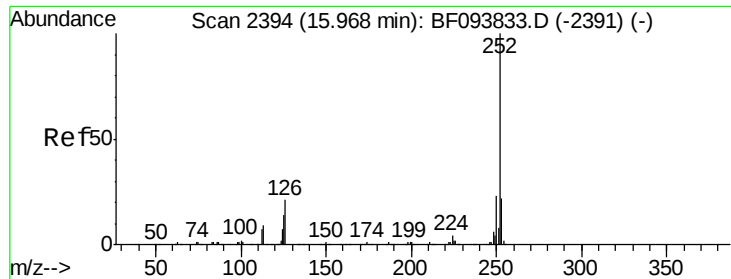
mohammad
3/27/2017 12:56:55 PM



#87
Benzo(b)fluoranthene
Concen: 36.12 ng m
RT: 15.91 min Scan# 2384
Delta R.T. -0.03 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	14.8	9.8	14.8#





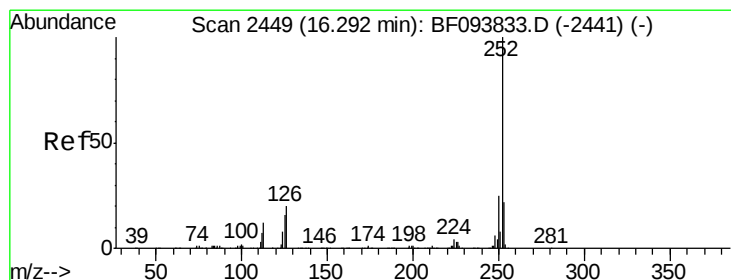
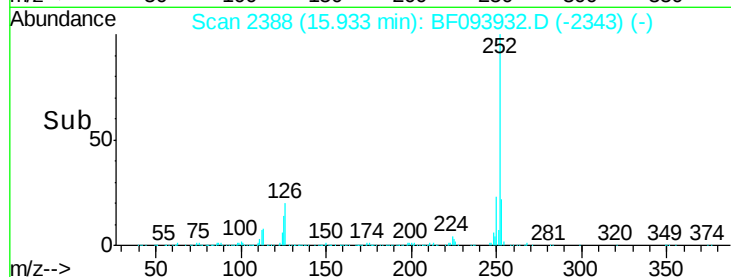
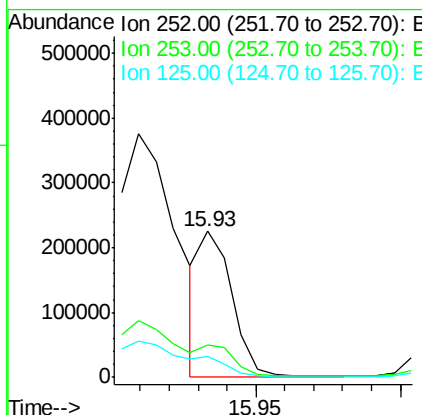
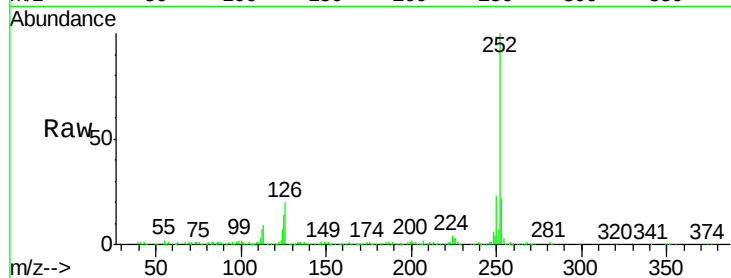
#88
Benzo(k)fluoranthene
Concen: 11.77 ng m
RT: 15.93 min Scan# 2388
Delta R.T. -0.04 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	14.0	13.1	19.7

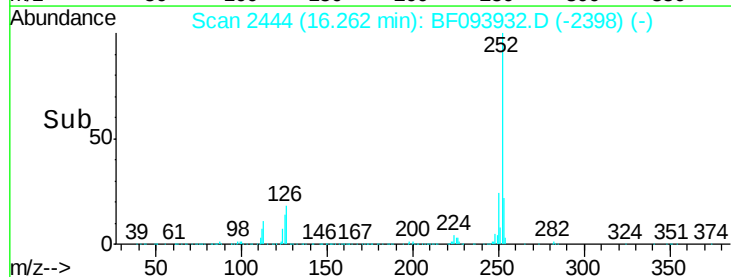
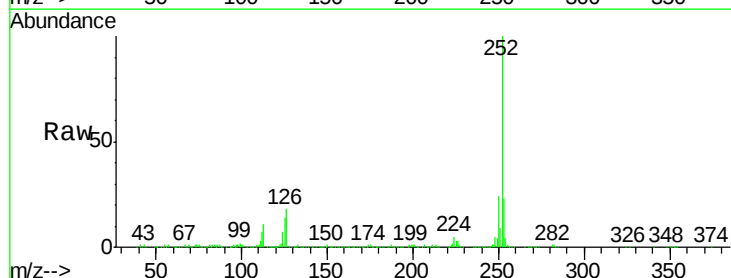
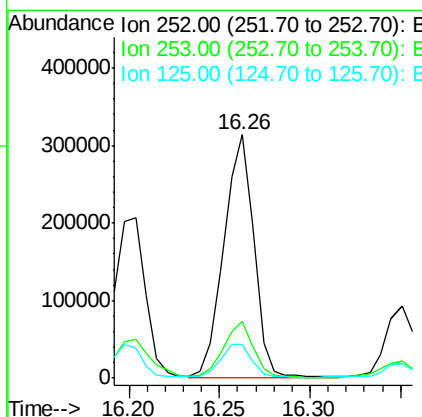
Manual Integrations
APPROVED

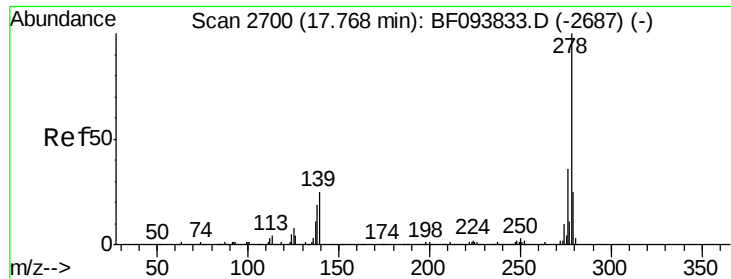
mohammad
3/27/2017 12:56:55 PM



#89
Benzo(a)pyrene
Concen: 25.34 ng
RT: 16.26 min Scan# 2444
Delta R.T. -0.03 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.9	11.0	16.4





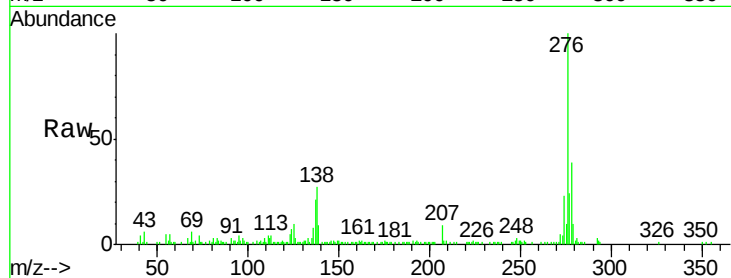
#90
Dibenzo(a,h)anthracene
Concen: 4.02 ng
RT: 17.71 min Scan# 2690
Delta R.T. -0.06 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
278	100				
139	23.4	16.6	24.8		
279	26.3	19.3	28.9		

Manual Integrations
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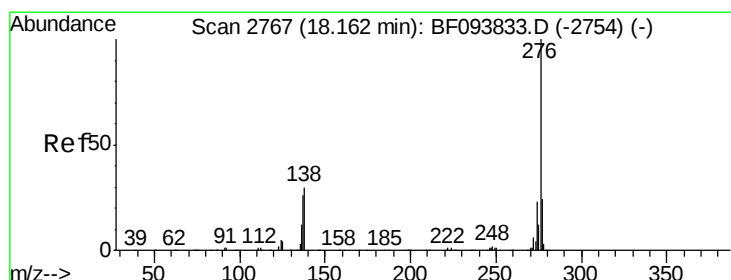
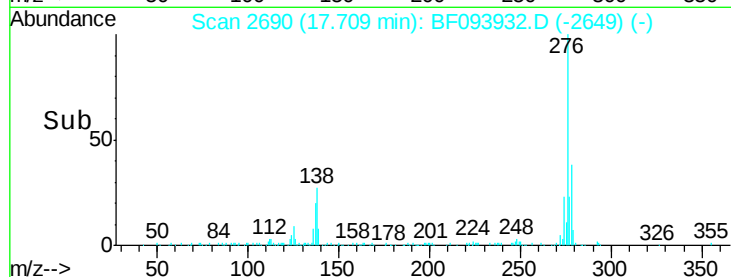
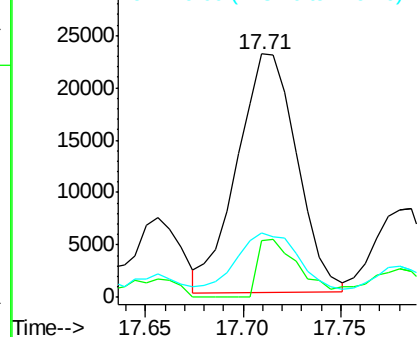


Abundance

Ion 278.00 (277.70 to 278.70): E

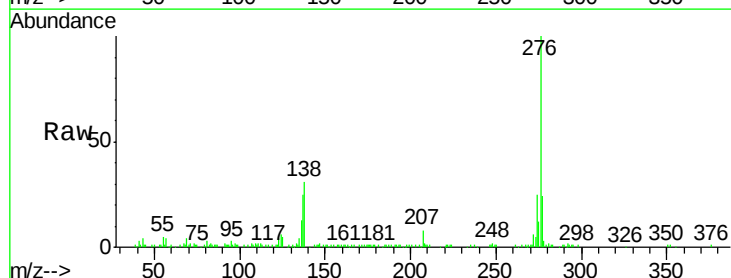
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.46 ng
RT: 18.10 min Scan# 2757
Delta R.T. -0.06 min
Lab File: BF093932.D
Acq: 25 Mar 2017 3:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.7	18.6	28.0		
138	31.1	25.4	38.0		



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

