

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031117\
 Data File : BF093595.D
 Acq On : 12 Mar 2017 7:11
 Operator : SJ/MA
 Sample : I2133-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

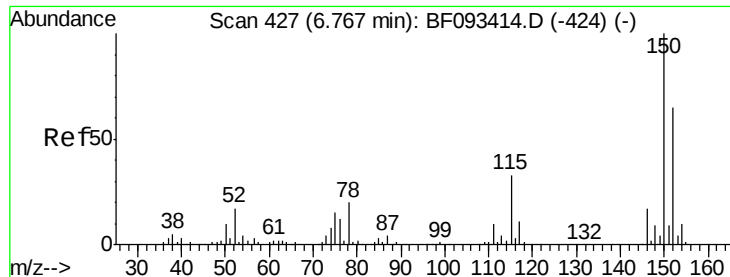
Manual Integrations
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mohammad
 3/15/2017 5:34:59 PM

Quant Time: Mar 13 18:17:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	196190	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	595823	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	205079	20.00	ng	0.01
63) Phenanthrene-d10	11.26	188	368027	20.00	ng	0.01
75) Chrysene-d12	13.89	240	355422	20.00	ng	0.00
86) Perylene-d12	15.28	264	314323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1332007	113.00	ng	0.00
7) Phenol-d6	6.38	99	1582290	106.44	ng	0.00
23) Nitrobenzene-d5	7.29	82	953554	88.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	171864	128.63	ng	0.02
44) 2-Fluorobiphenyl	9.10	172	1221277	110.77	ng	0.01
78) Terphenyl-d14	12.83	244	881744	64.50	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.39	94	51722	2.84	ng	# 34
15) Benzyl Alcohol	6.87	79	28677	2.71	ng	# 48
31) Naphthalene	8.04	128	322711	10.81	ng	# 64
37) 2-Methylnaphthalene	8.73	142	161474	8.50	ng	# 93
49) Dimethylphthalate	9.50	163	244286	17.97	ng	# 94
51) Acenaphthene	9.81	154	153774	13.79	ng	# 83
57) Fluorene	10.33	166	253692	21.45	ng	# 82
70) Phenanthrene	11.28	178	613044	29.18	ng	# 94
71) Anthracene	11.34	178	70433	3.31	ng	# 68
74) Fluoranthene	12.47	202	281978	13.90	ng	95
77) Pyrene	12.69	202	371992	14.39	ng	98
80) Benzo(a)anthracene	13.88	228	161895m	7.71	ng	
82) Chrysene	13.91	228	150250m	7.74	ng	
85) Indeno(1,2,3-cd)pyrene	16.64	276	130233	8.01	ng	97
87) Benzo(b)fluoranthene	14.89	252	267580m	13.98	ng	
88) Benzo(k)fluoranthene	14.92	252	58091m	3.15	ng	
89) Benzo(a)pyrene	15.24	252	199888	11.43	ng	# 92
90) Dibenzo(a,h)anthracene	16.64	278	36039	2.49	ng	# 44
91) Benzo(g,h,i)perylene	17.05	276	124956	8.41	ng	# 85

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



#1

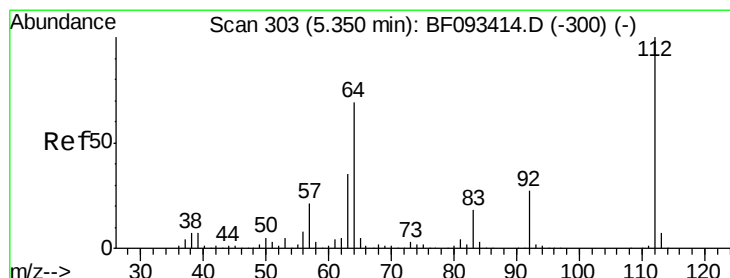
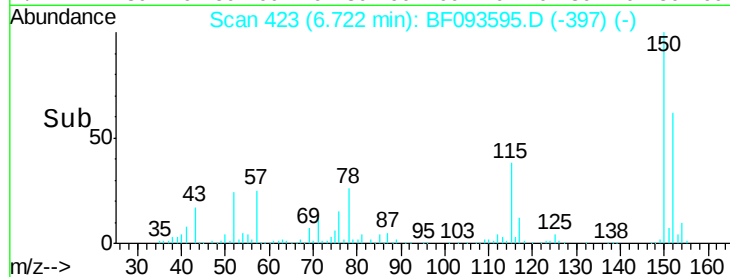
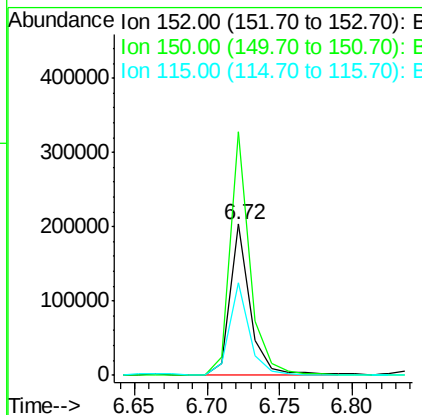
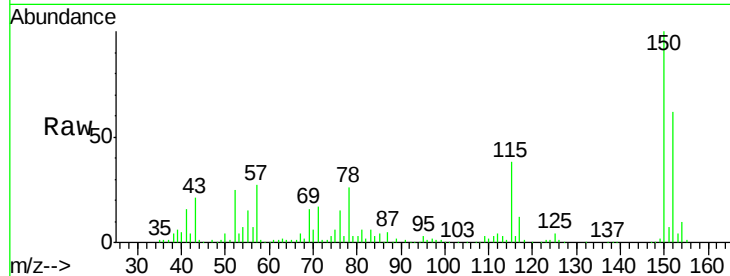
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	196190		
150	161.1	124.9	187.3	
115	61.2	46.0	69.0	

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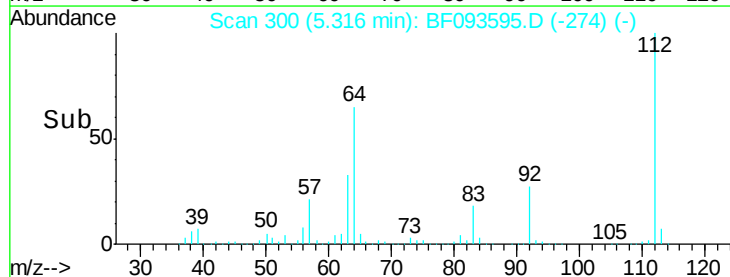
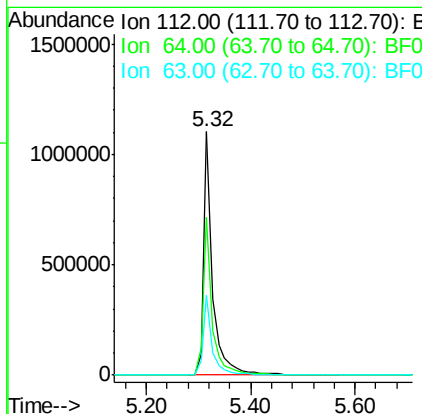
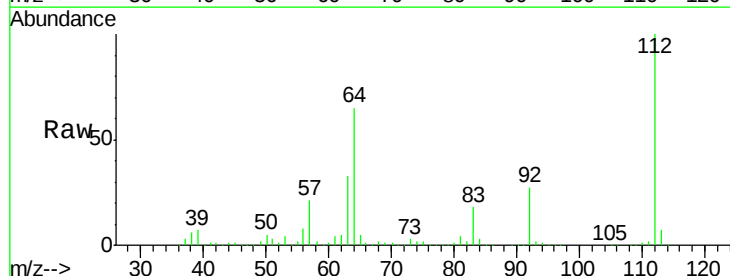
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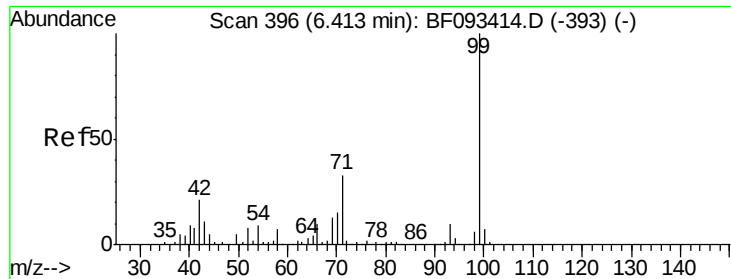


#5

2-Fluorophenol
Concen: 113.00 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1332007		
64	65.1	46.1	69.1	
63	32.6	23.8	35.6	





#7

Phenol-d6

Concen: 106.44 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

Tgt Ion: 99 Resp: 1582290

Ion Ratio Lower Upper

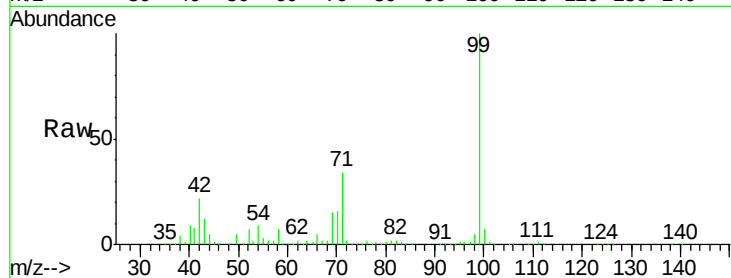
99 100

42 22.1 15.6 23.4

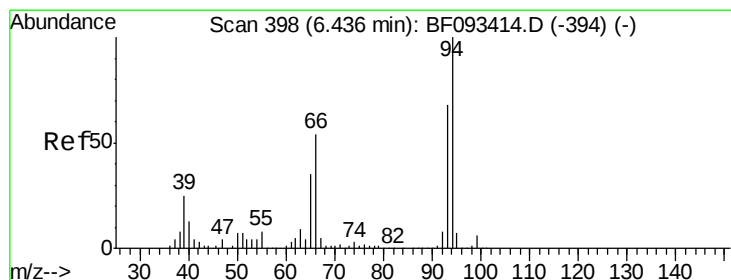
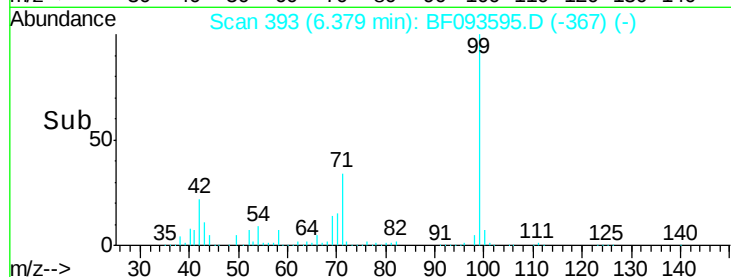
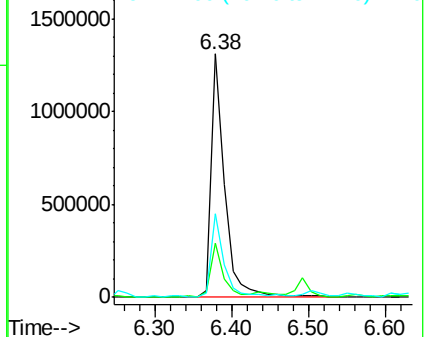
71 34.4 27.5 41.3

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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



#10

Phenol

Concen: 2.84 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

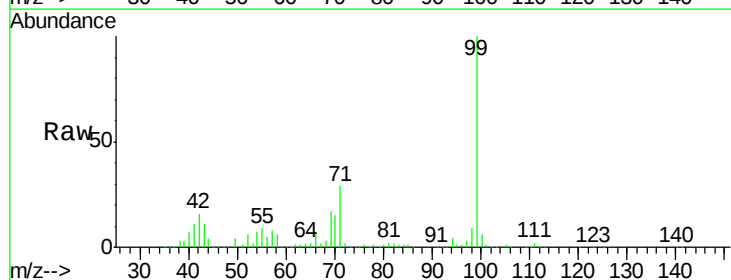
Tgt Ion: 94 Resp: 51722

Ion Ratio Lower Upper

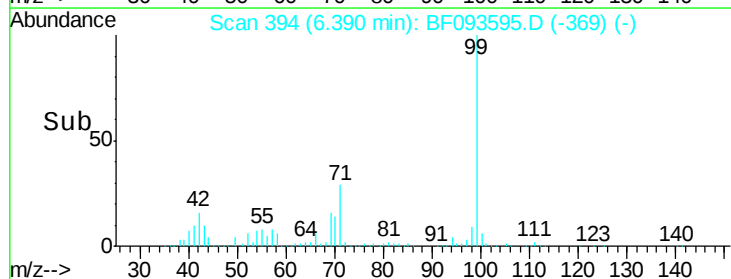
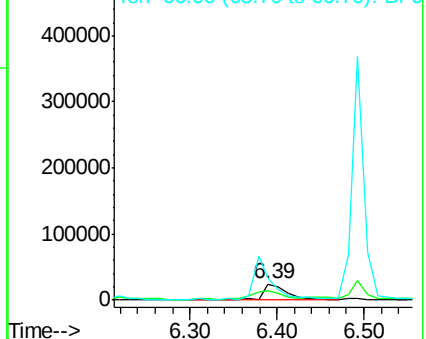
94 100

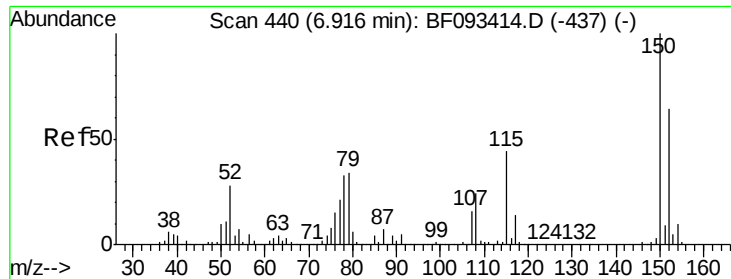
65 55.8 21.4 61.4

66 137.7 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.71 ng

RT: 6.87 min Scan# 436

Delta R.T. -0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampled :

HY-SB420A

Tgt Ion: 79 Resp: 28677

Ion Ratio Lower Upper

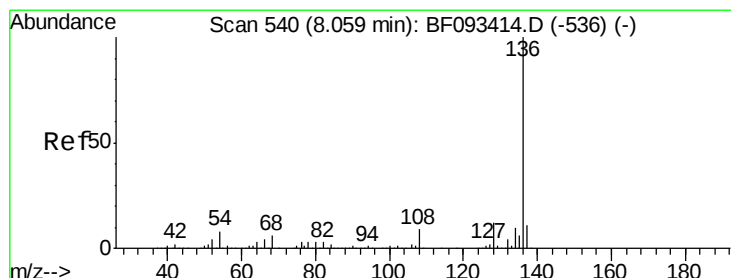
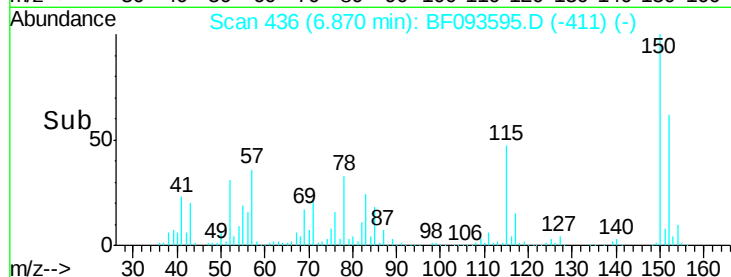
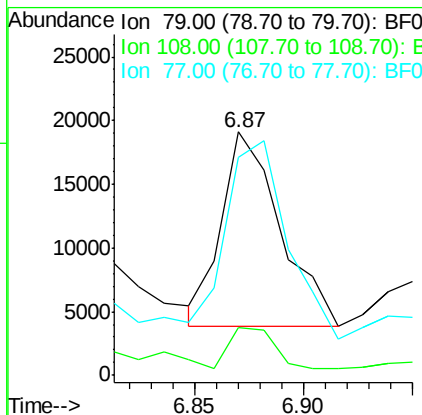
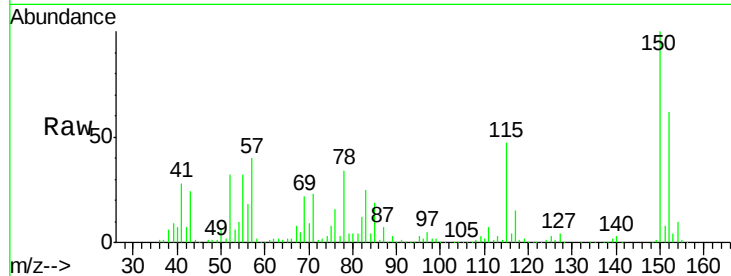
79 100

108 19.4 61.4 92.0#

77 89.8 50.9 76.3#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt Ion: 136 Resp: 595823

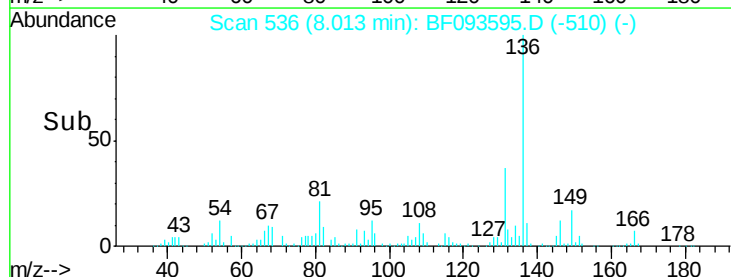
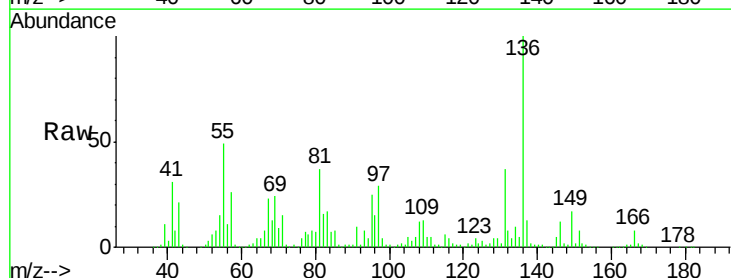
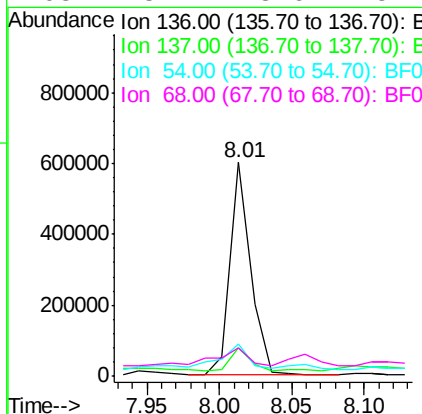
Ion Ratio Lower Upper

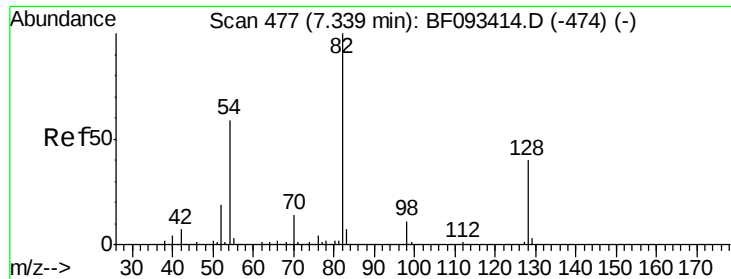
136 100

137 13.4 8.4 12.6#

54 15.0 4.5 6.7#

68 13.2 3.6 5.4#





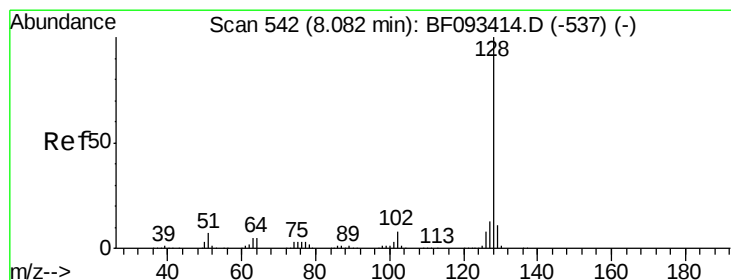
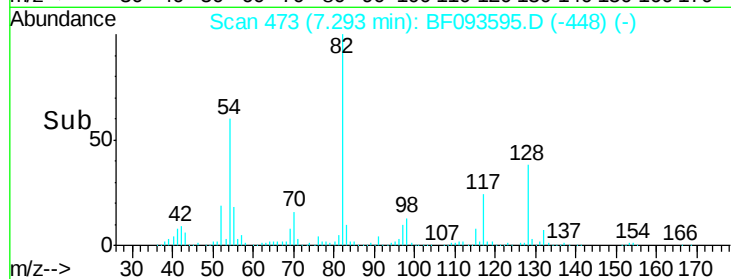
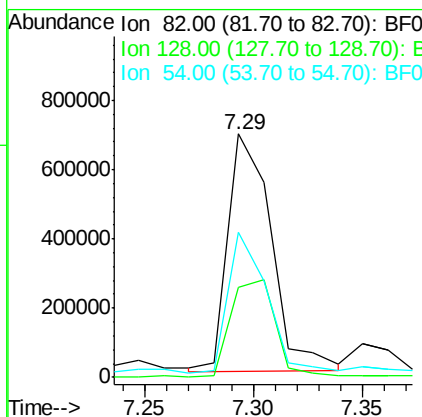
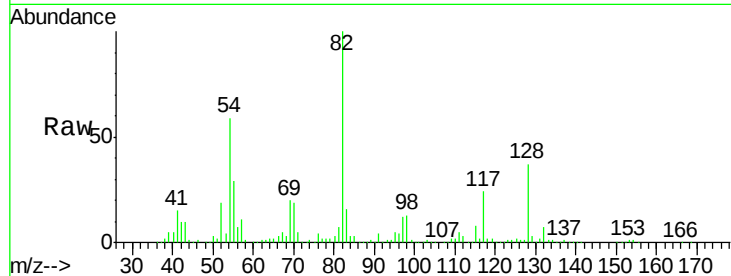
#23
Nitrobenzene-d5
Concen: 88.80 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.2	34.6	52.0
54	59.4	39.5	59.3#

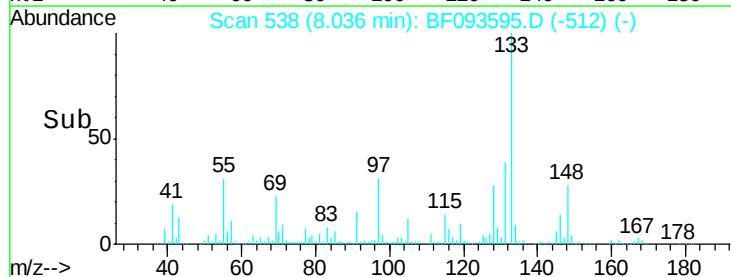
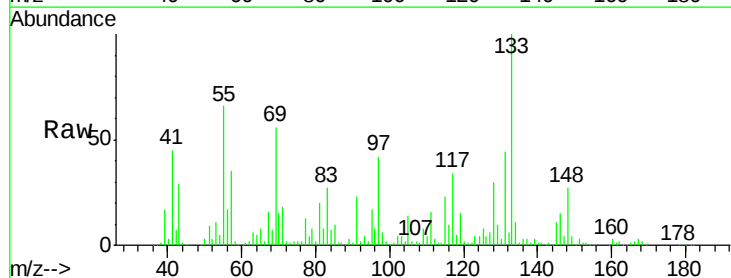
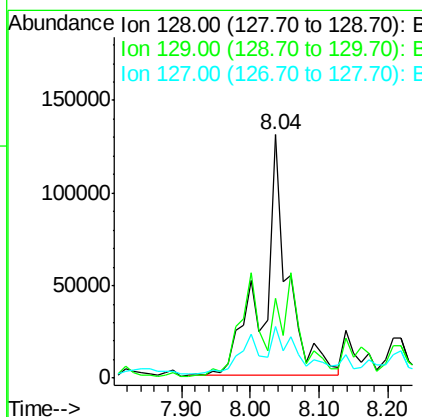
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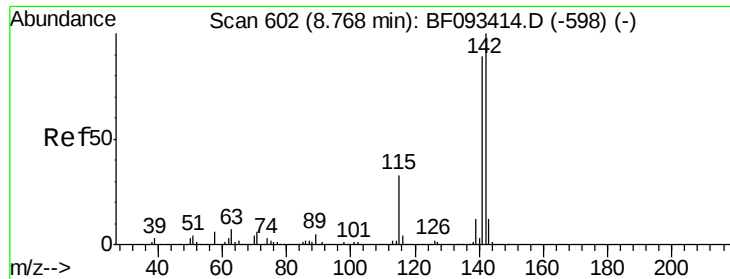
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#31
Naphthalene
Concen: 10.81 ng
RT: 8.04 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	33.0	9.5	14.3#
127	21.1	10.8	16.2#





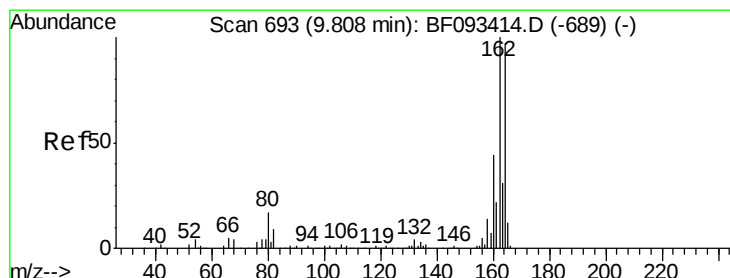
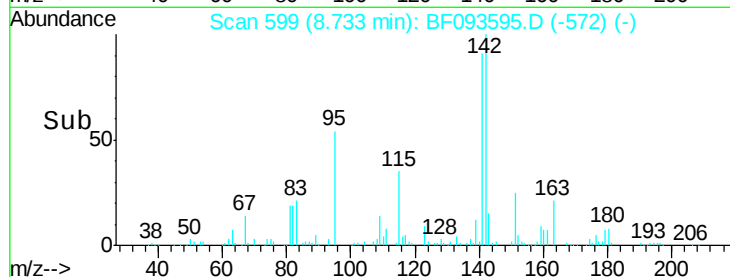
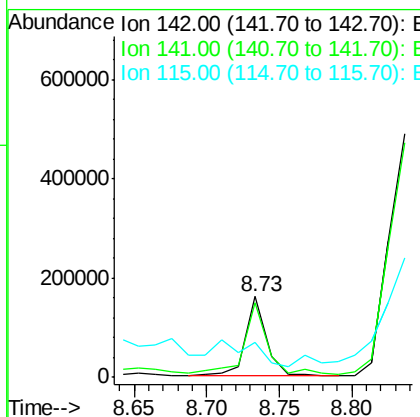
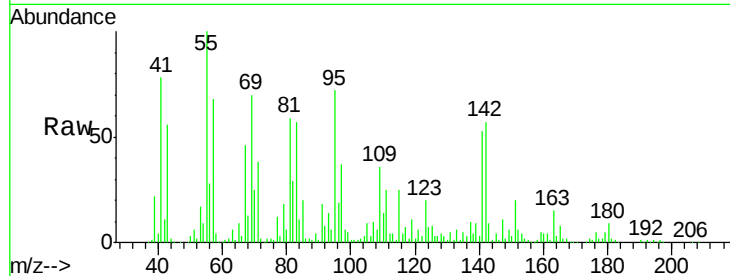
#37
 2-Methylnaphthalene
 Concen: 8.50 ng
 RT: 8.73 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.0	106.6
115	43.7	28.3	42.5

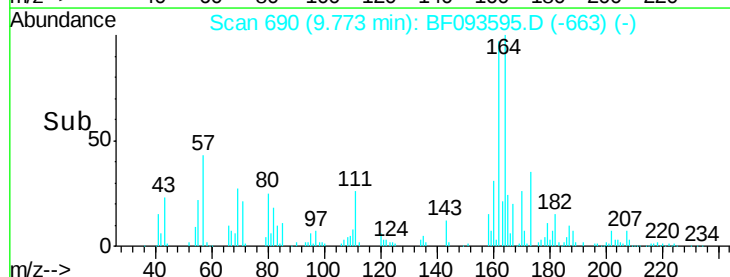
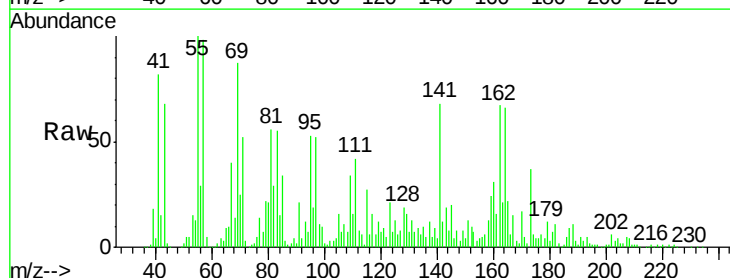
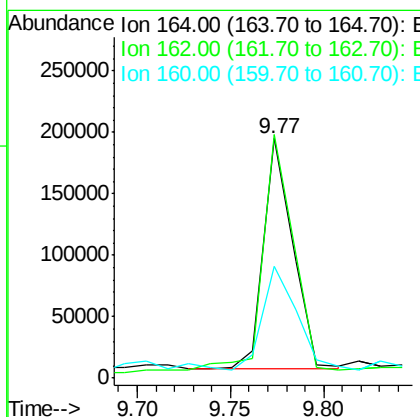
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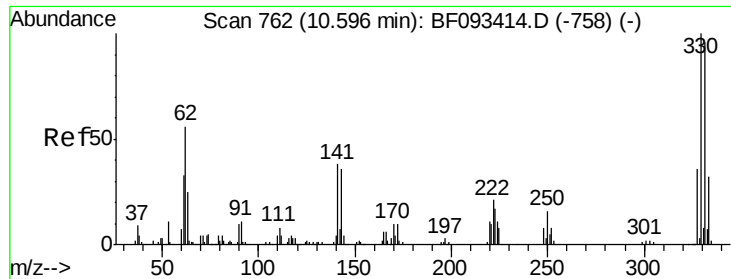
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	46.7	36.9	55.3





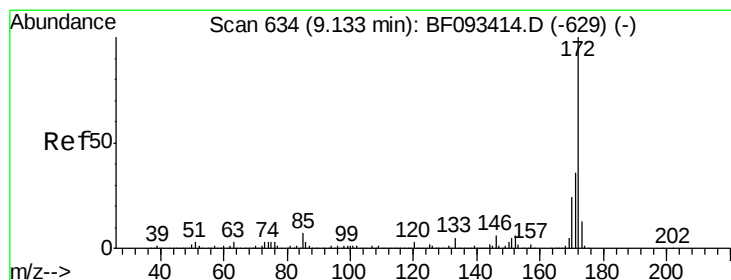
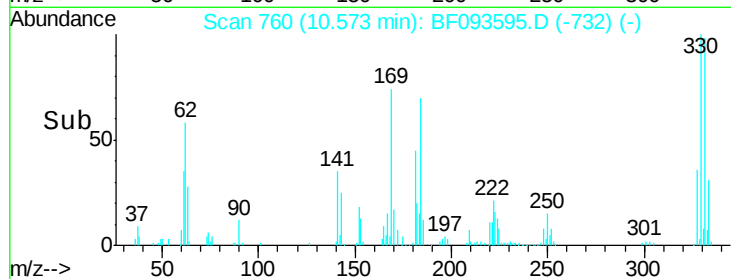
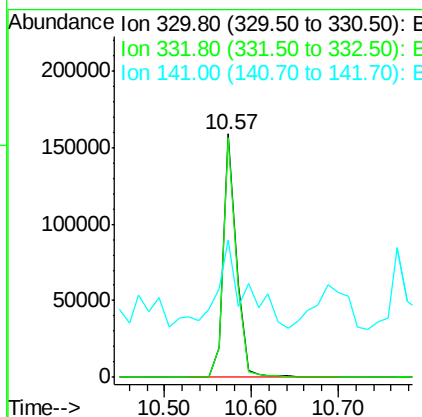
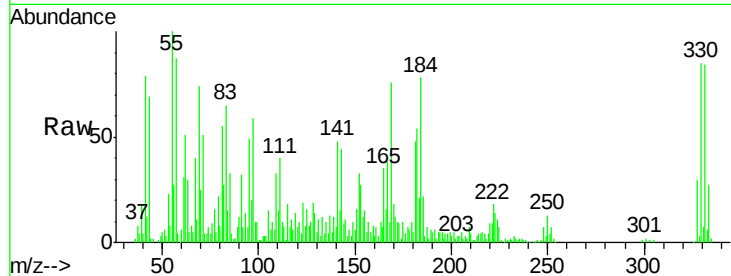
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 2,4,6-Tribromophenol
 Concen: 128.63 ng
 RT: 10.57 min Scan# 760
 Delta R.T. 0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	171864		
332	96.8	77.4	116.2	
141	75.7	34.1	51.1#	

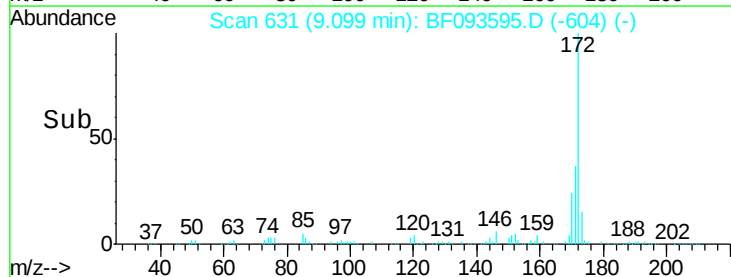
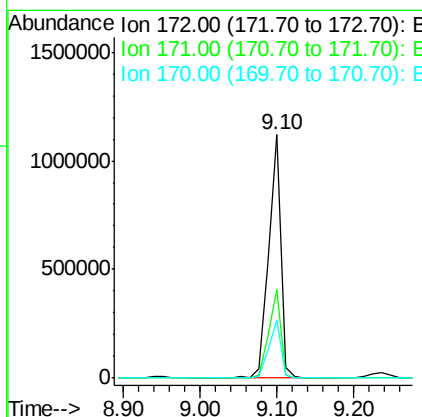
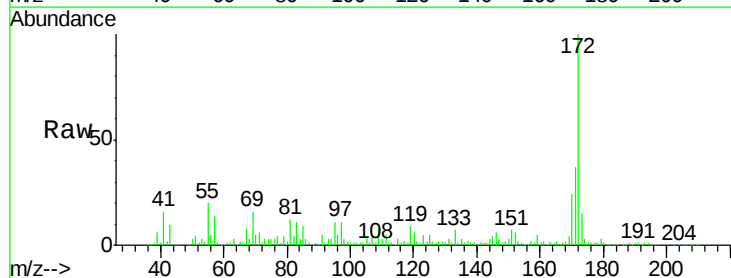
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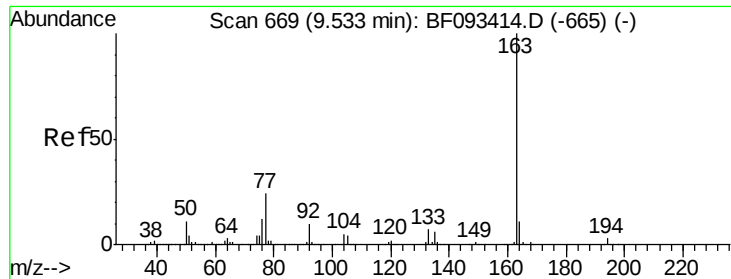
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#44
 2-Fluorobiphenyl
 Concen: 110.77 ng
 RT: 9.10 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1221277		
171	36.5	29.4	44.0	
170	24.1	20.2	30.4	





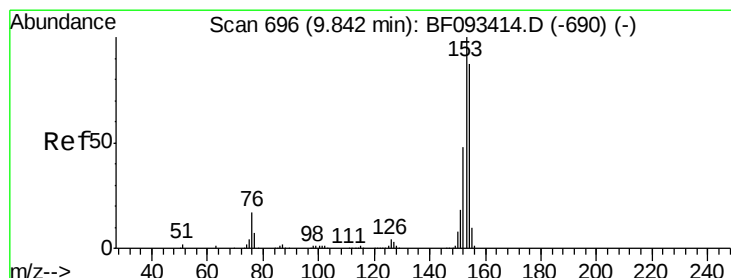
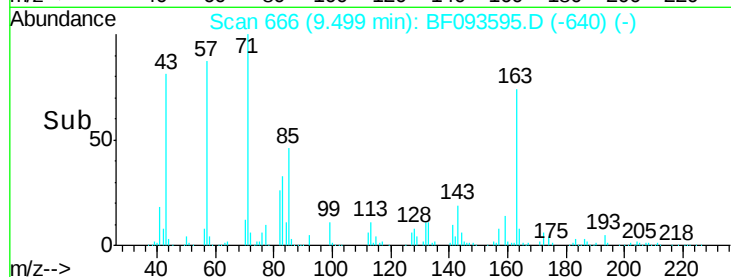
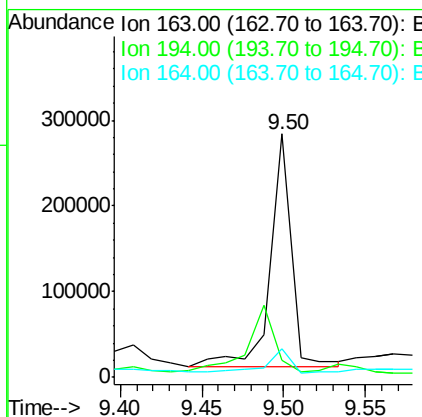
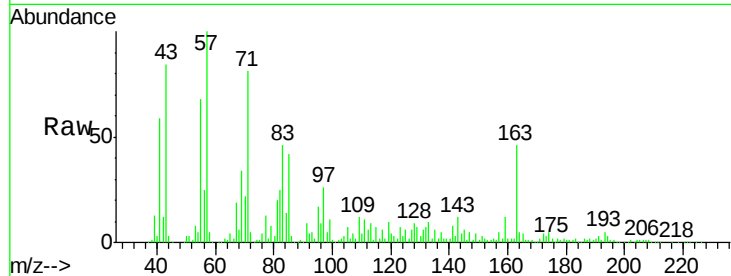
#49
Dimethylphthalate
Concen: 17.97 ng
RT: 9.50 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	244286		
194	7.2	3.0	4.4#	
164	11.8	8.0	12.0	

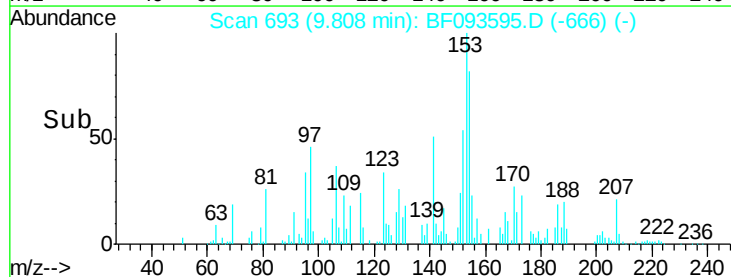
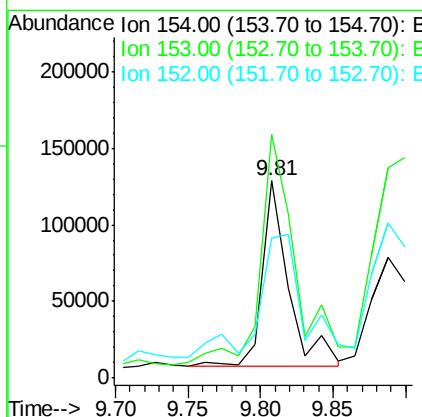
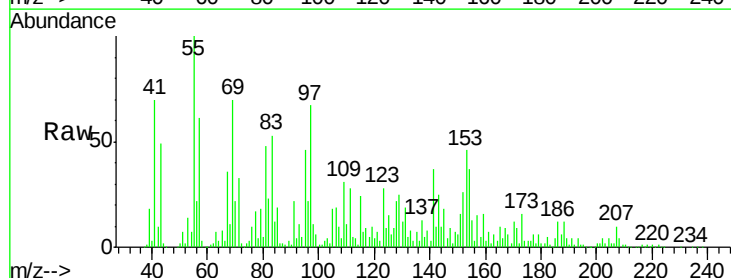
Manual Integrations
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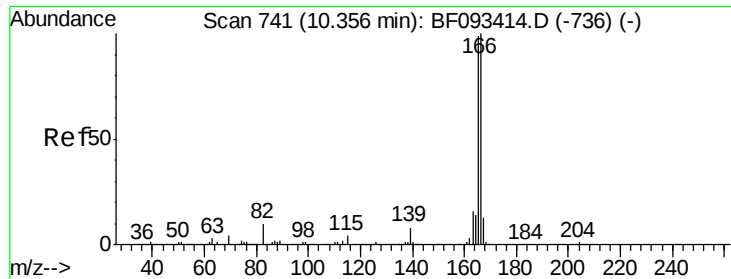
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#51
Acenaphthene
Concen: 13.79 ng
RT: 9.81 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	153774		
153	123.4	88.6	133.0	
152	70.8	41.6	62.4#	





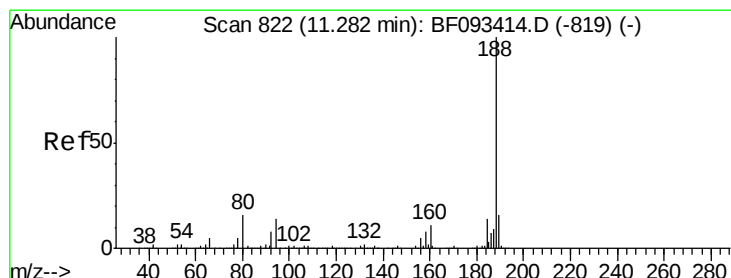
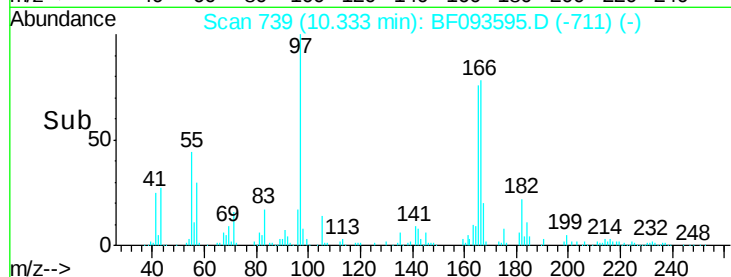
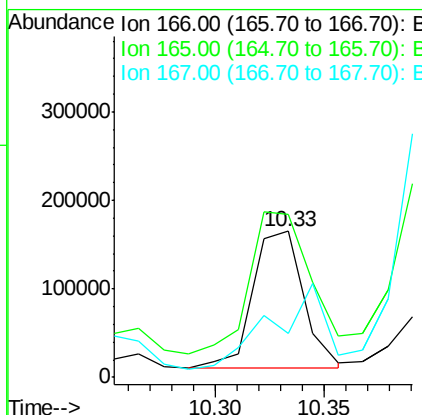
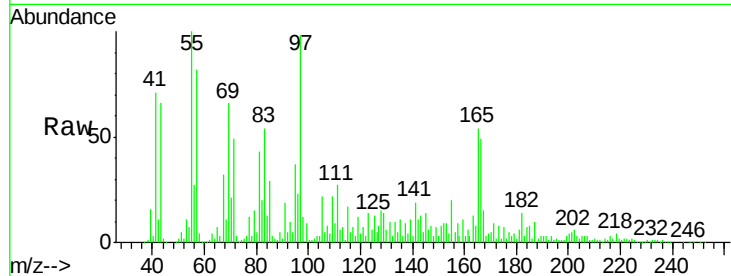
#57
Fluorene
 Concen: 21.45 ng
 RT: 10.33 min Scan# 739
 Delta R.T. 0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	253692		
165	111.3	77.8	116.8	
167	30.5	10.8	16.2	

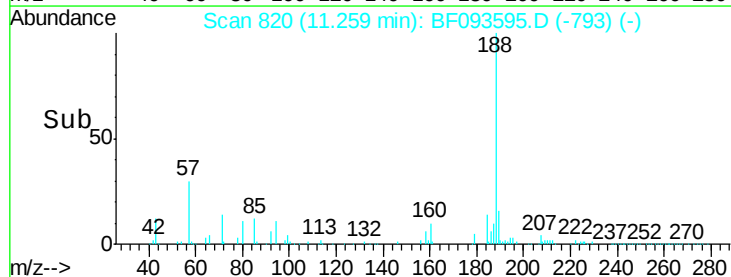
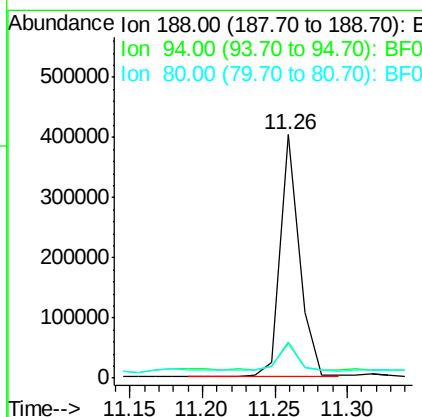
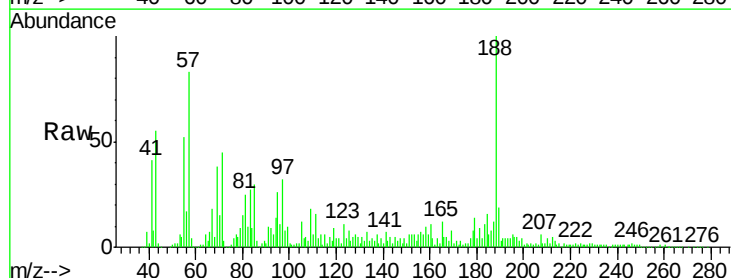
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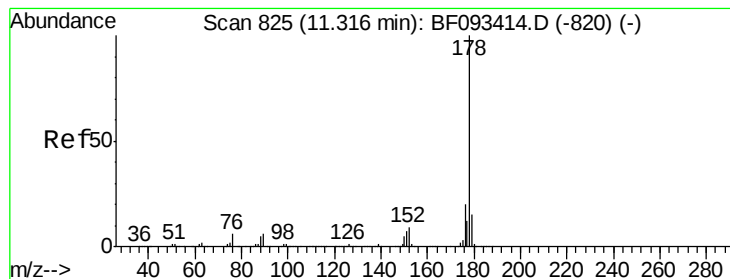
mohammad
 3/15/2017 5:34:59 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	368027		
94	14.5	10.0	15.0	
80	14.7	11.2	16.8	





#70

Phenanthrene

Concen: 29.18 ng

RT: 11.28 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

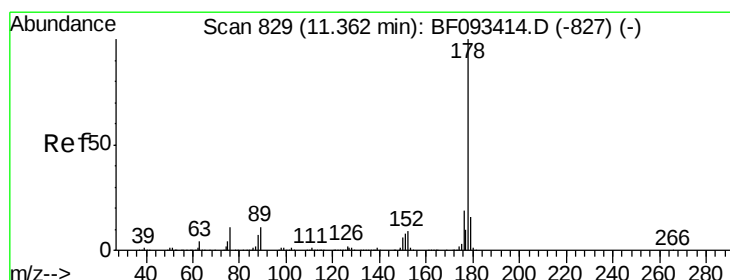
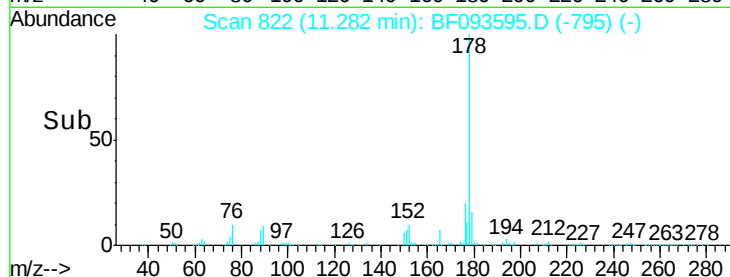
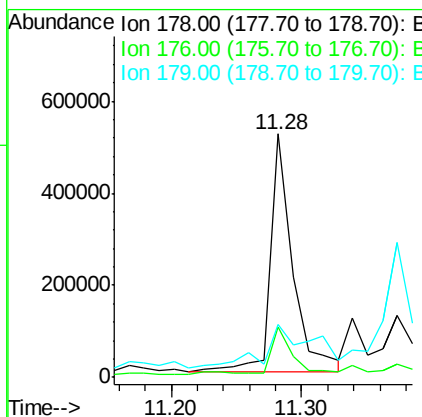
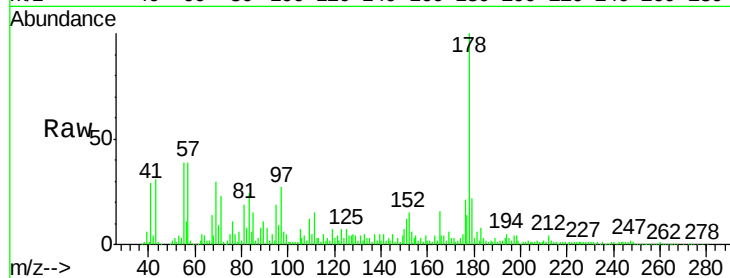
ClientSampleId :

HY-SB420A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.6	25.0
179	21.6	12.8	19.2

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#71

Anthracene

Concen: 3.31 ng

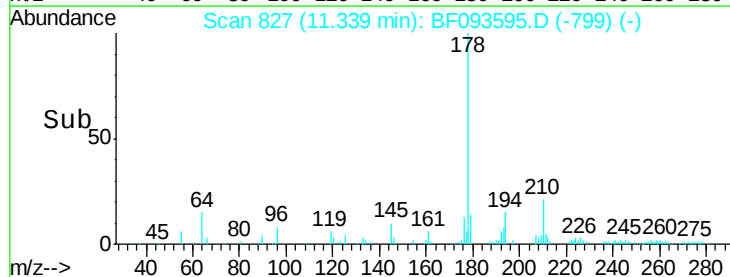
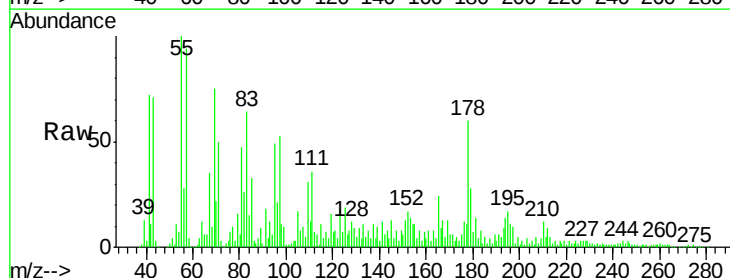
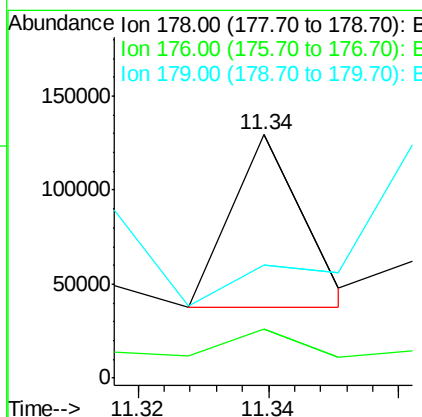
RT: 11.34 min Scan# 827

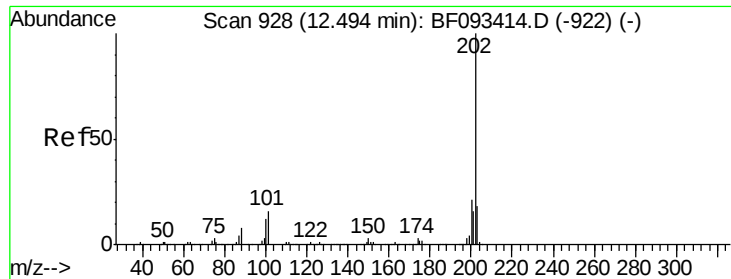
Delta R.T. 0.02 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	46.3	13.2	19.8





#74

Fluoranthene

Concen: 13.90 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

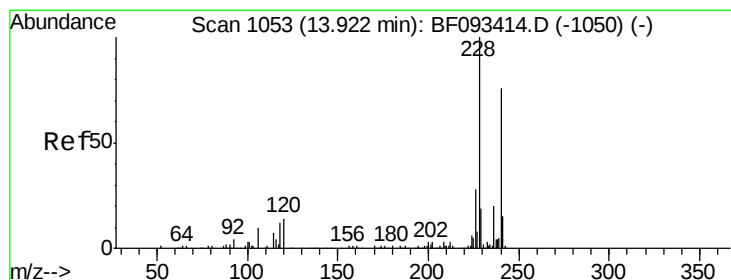
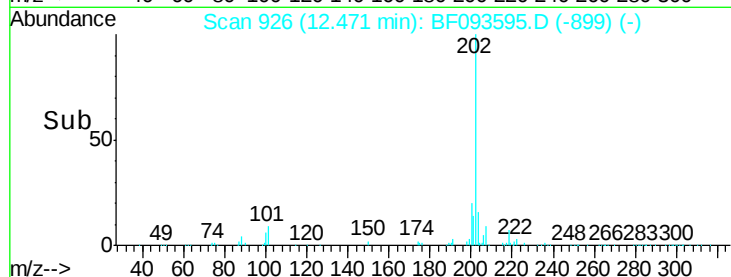
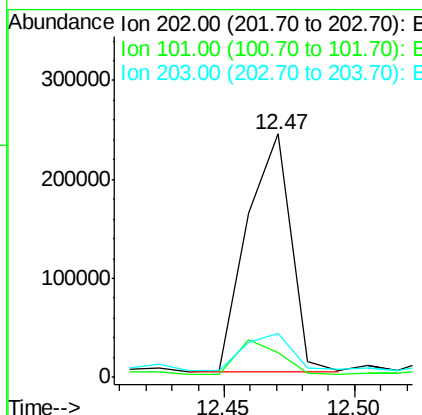
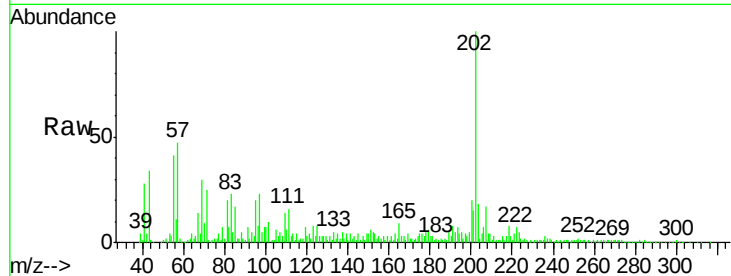
ClientSampleId :

HY-SB420A

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		281978		
101	9.9	0.0	34.6		
203	18.3	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

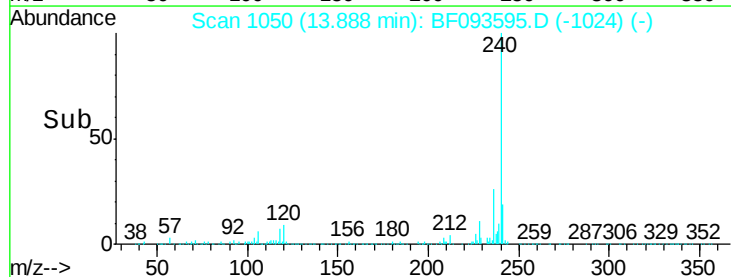
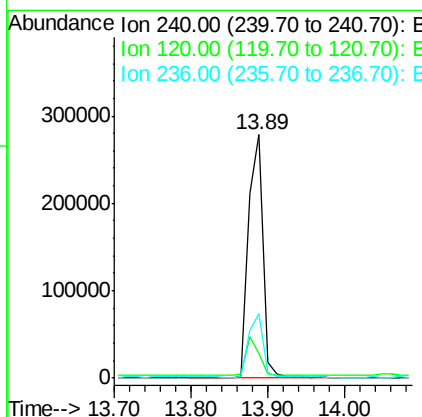
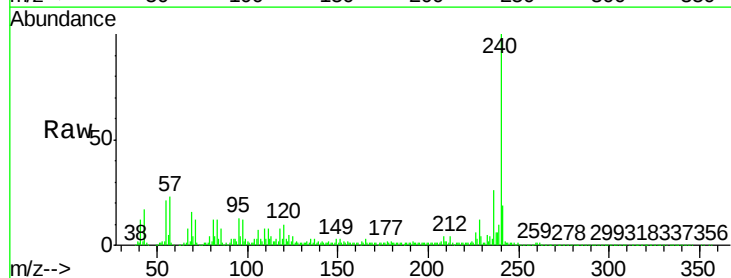
RT: 13.89 min Scan# 1050

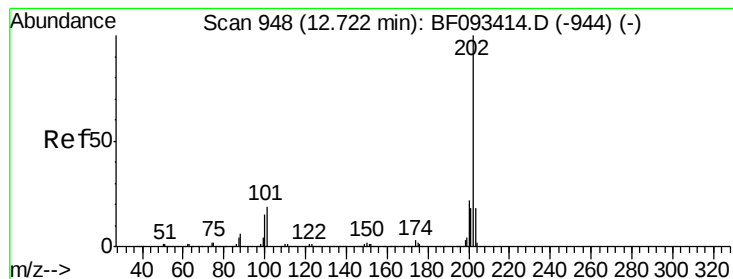
Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		355422		
120	10.0	12.9	19.3#		
236	26.3	20.9	31.3		





#77

Pyrene

Concen: 14.39 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

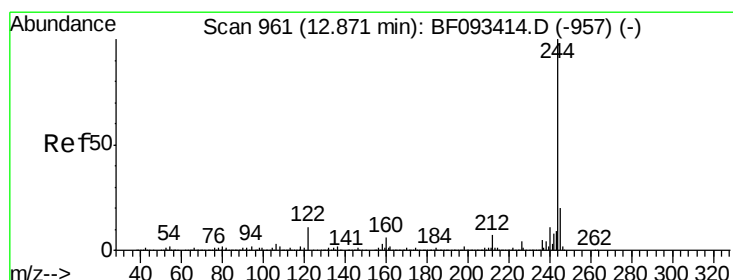
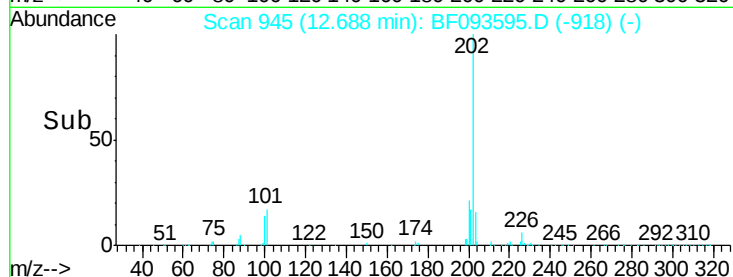
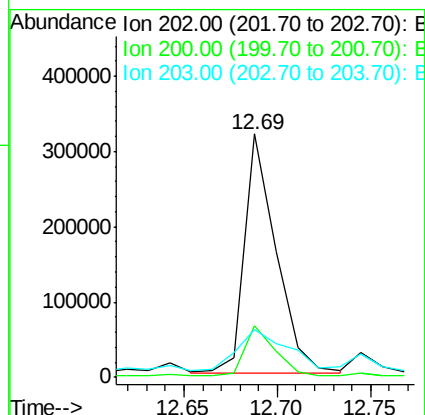
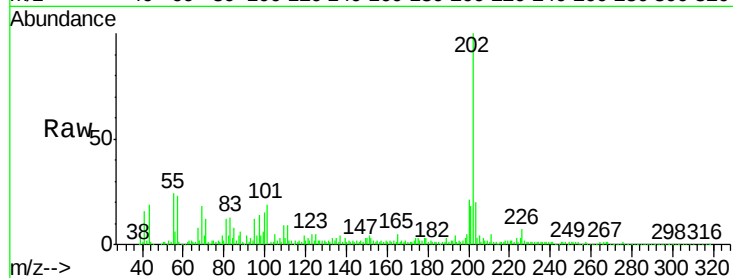
ClientSampleId :

HY-SB420A

Tgt	Ion	Resp	Lower	Upper
202	100			
200	21.1	17.7	26.5	
203	19.7	14.7	22.1	

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#78

Terphenyl-d14

Concen: 64.50 ng

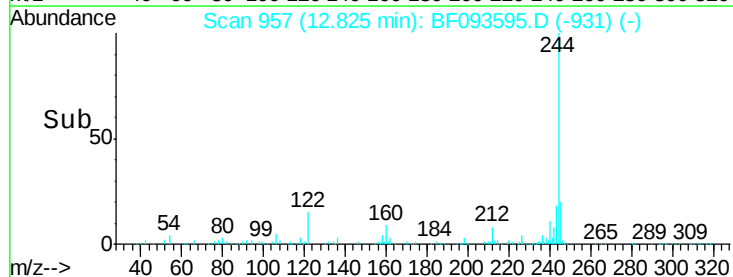
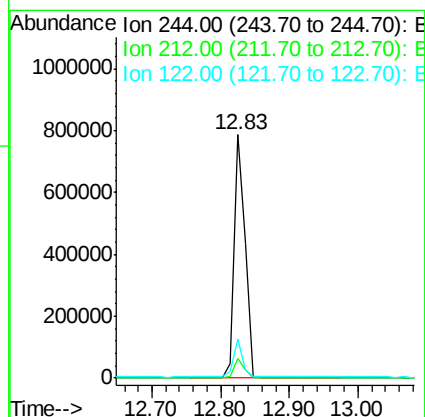
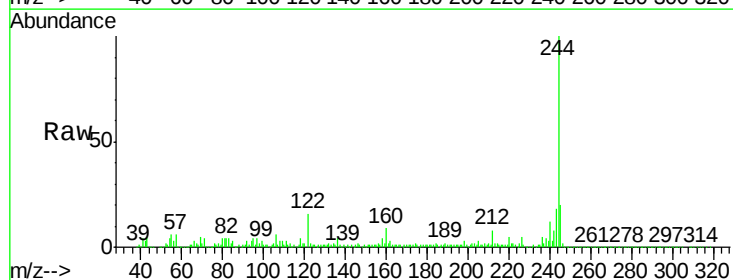
RT: 12.83 min Scan# 957

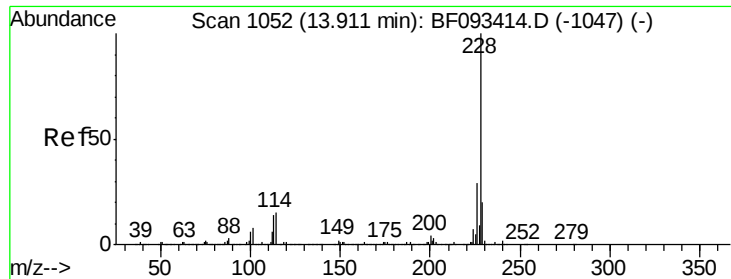
Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt	Ion	Resp	Lower	Upper
244	100			
212	8.2	6.2	9.2	
122	15.7	11.4	17.2	





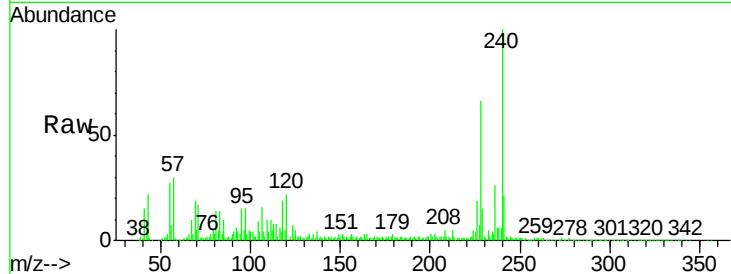
#80
Benzo(a)anthracene
Concen: 7.71 ng m
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

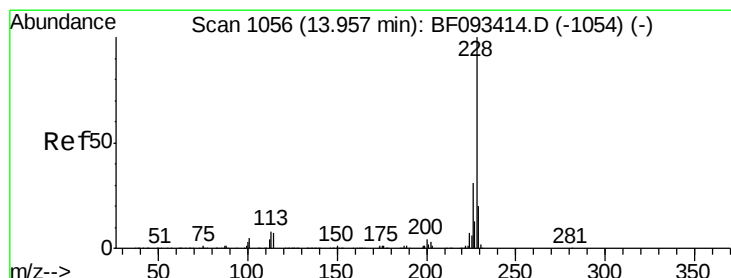
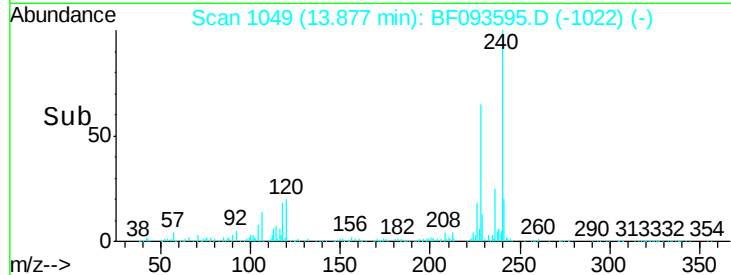
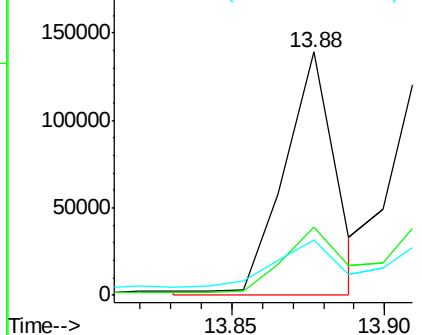
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	161895		
226	28.3	22.4	33.6	
229	22.7	16.2	24.4	

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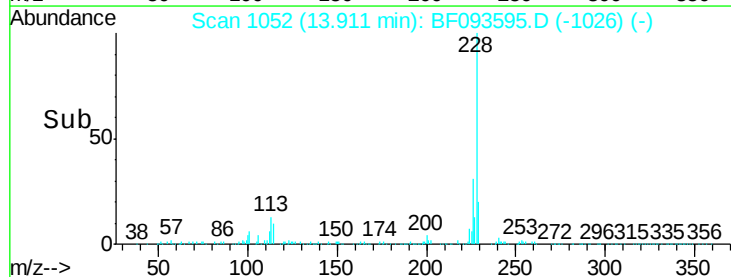
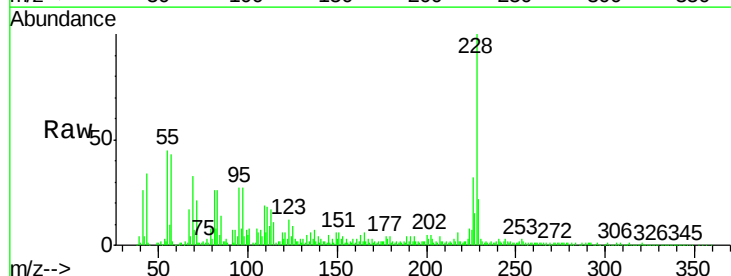
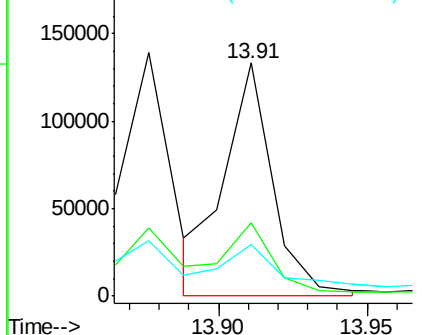
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

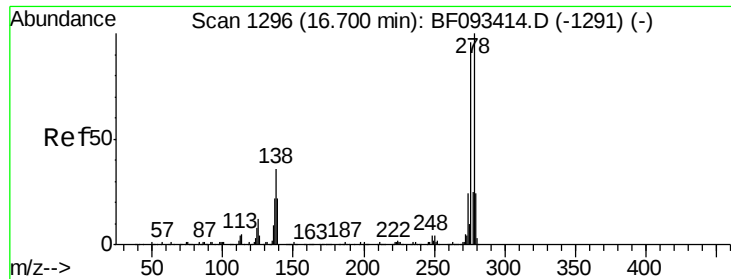


#82
Chrysene
Concen: 7.74 ng m
RT: 13.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	150250		
226	31.8	25.4	38.0	
229	22.4	16.2	24.2	

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





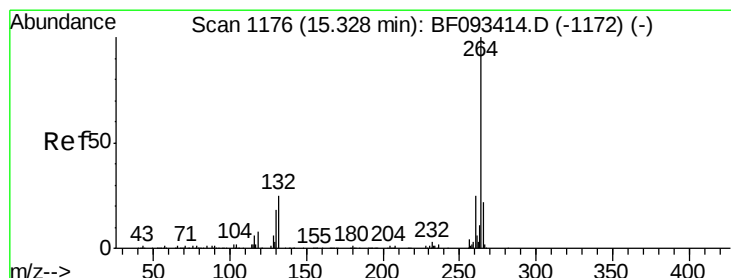
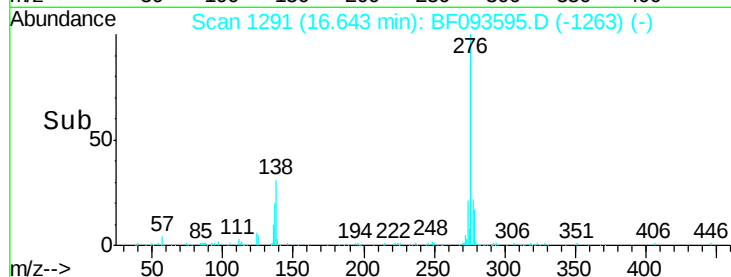
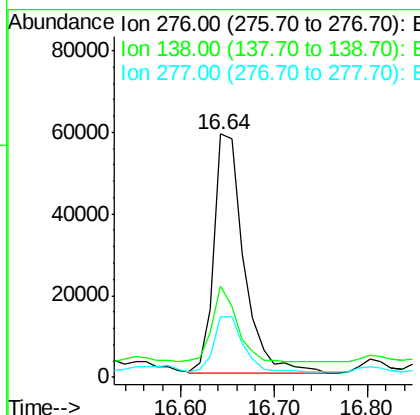
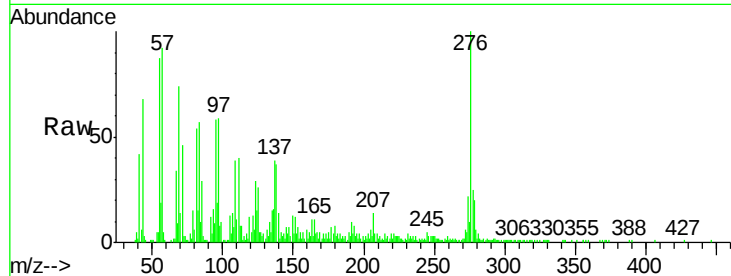
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.01 ng
 RT: 16.64 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.9	21.8	32.6
277	23.7	20.2	30.4

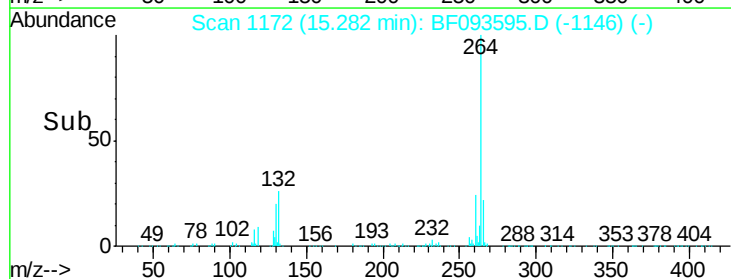
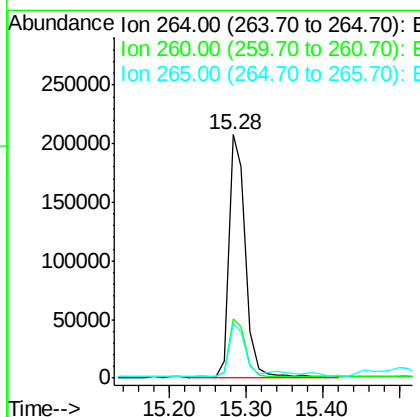
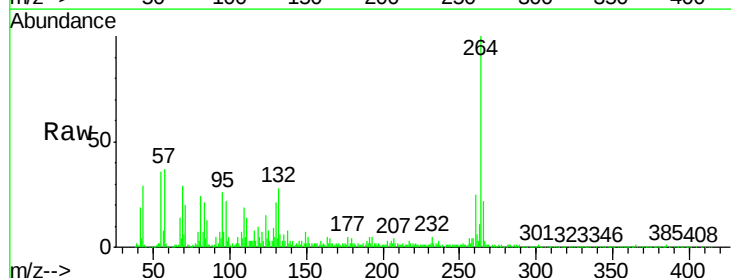
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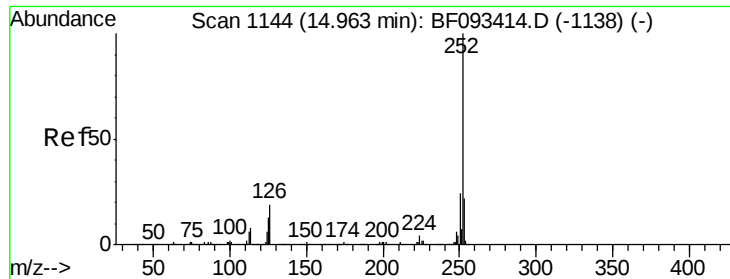
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.5	19.2	28.8
265	22.1	17.4	26.0





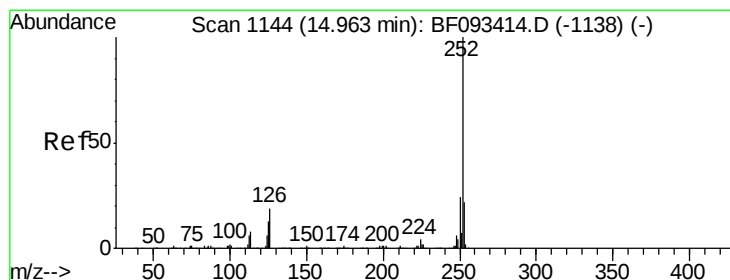
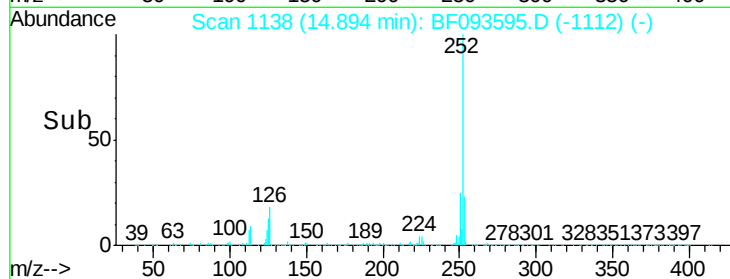
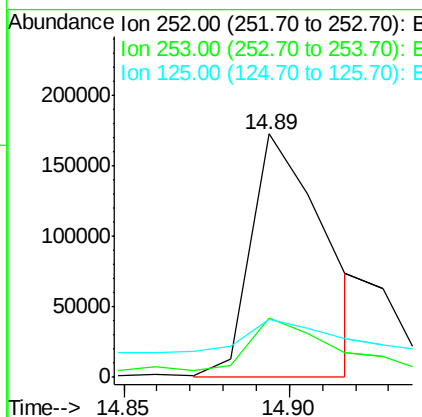
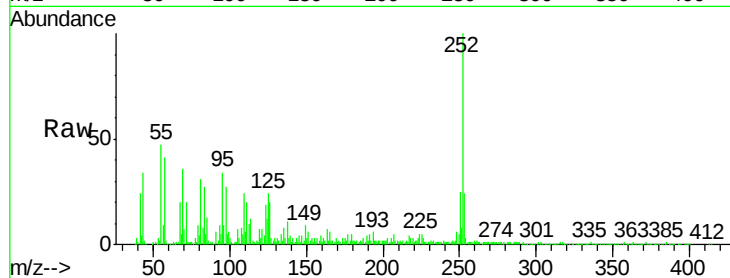
#87
 Benzo(b)fluoranthene
 Concen: 13.98 ng m
 RT: 14.89 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tgt Ion:	252	Resp:	267580
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.4
125	23.7	9.8	14.6#

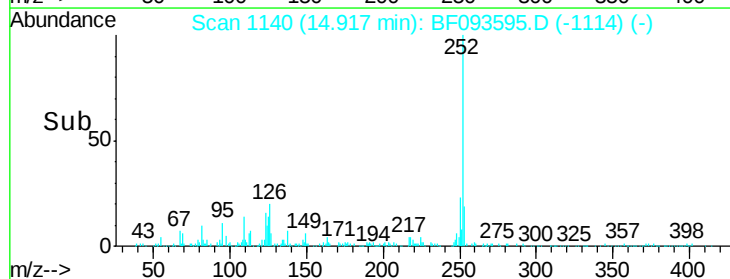
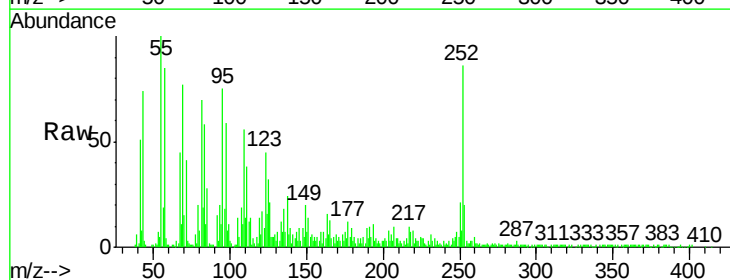
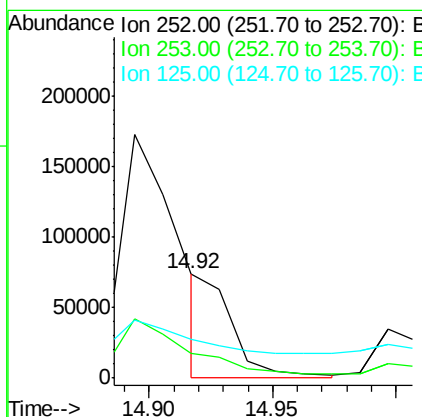
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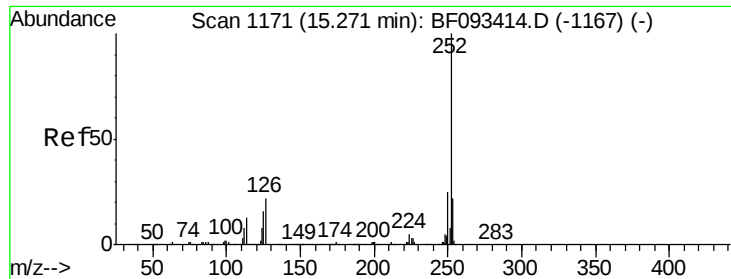
mohammad
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#88
 Benzo(k)fluoranthene
 Concen: 3.15 ng m
 RT: 14.92 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:	252	Resp:	58091
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.5	27.7
125	37.3	8.9	13.3#





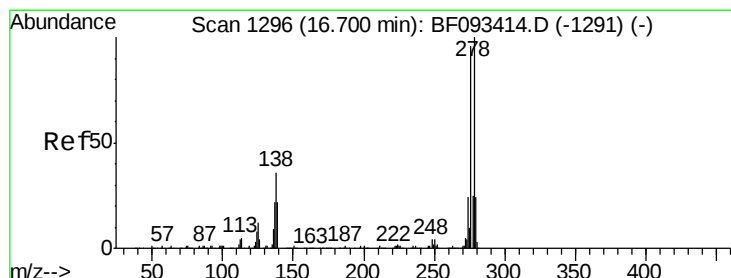
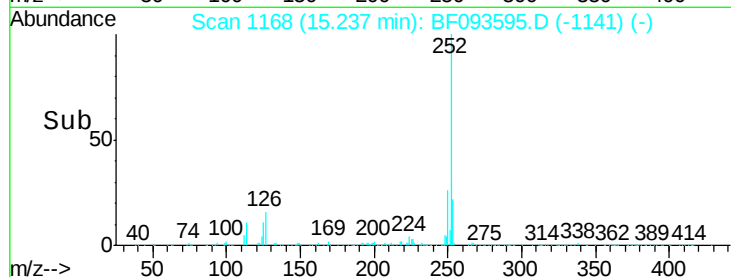
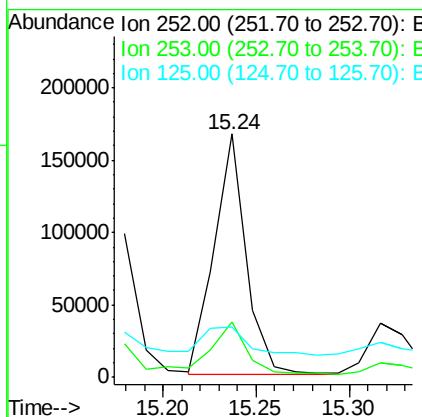
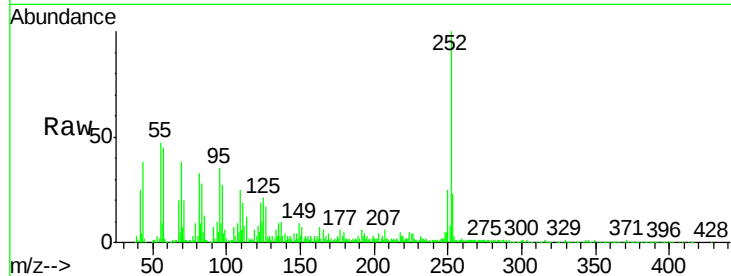
#89
Benzo(a)pyrene
Concen: 11.43 ng
RT: 15.24 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	18.2	27.2
125	20.6	10.0	15.0#

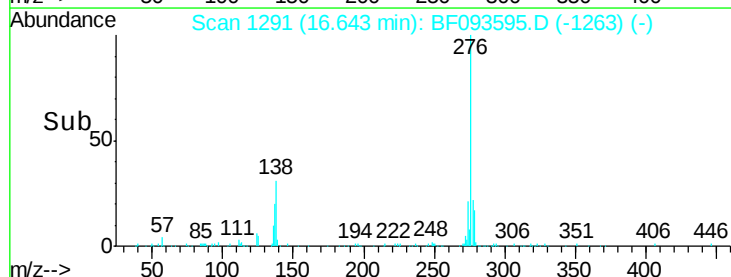
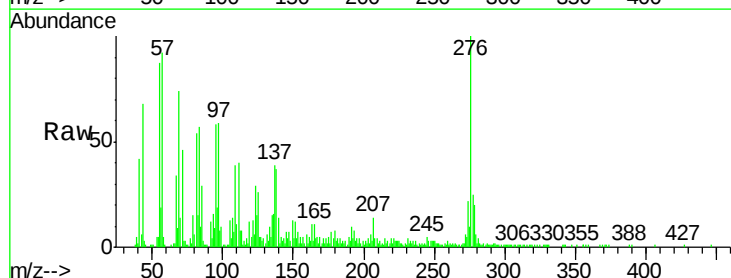
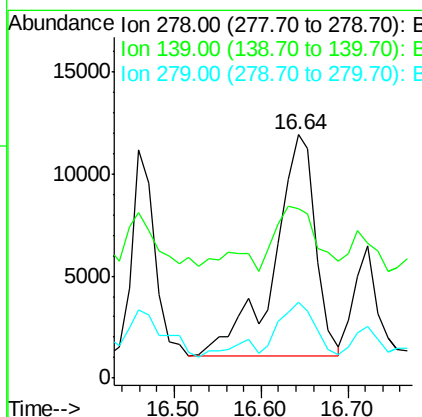
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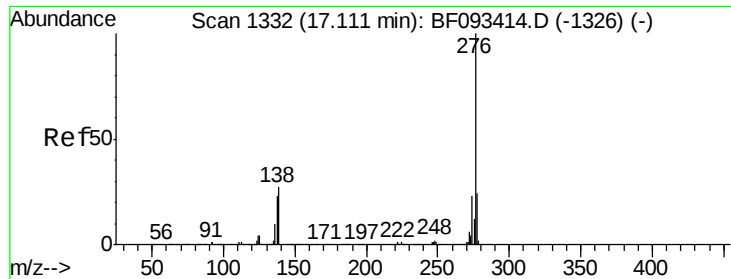
mohammad
3/15/2017 5:34:59 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	69.4	14.8	22.2#
279	31.2	19.8	29.6#





#91
 Benzo(g,h,i)perylene
 Concen: 8.41 ng
 RT: 17.05 min Scan# 1327
 Delta R.T. 0.03 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.2	28.8
138	32.9	16.0	24.0

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