

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093168.D
 Acq On : 25 Feb 2017 2:19
 Operator : SJ/MA
 Sample : I1955-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

Manual Integrations
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mohammad
 2/27/2017 1:08:00 PM

Quant Time: Feb 27 10:17:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	164744	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	635265	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	259938	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	420788	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	292992	20.00	ng	-0.01
86) Perylene-d12	15.44	264	312635	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1192989	124.24	ng	-0.02
7) Phenol-d6	6.48	99	1406094	113.80	ng	-0.01
23) Nitrobenzene-d5	7.40	82	896600	78.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	250270	133.12	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1267214	88.32	ng	-0.02
78) Terphenyl-d14	12.95	244	702887	56.37	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.38	77	20856	2.36	ng	92
10) Phenol	6.49	94	88422	6.12	ng	82
31) Naphthalene	8.14	128	302829	9.40	ng	99
49) Dimethylphthalate	9.60	163	109781	6.27	ng	99
57) Fluorene	10.42	166	32800	2.10	ng	95
70) Phenanthrene	11.39	178	421480	17.48	ng	97
71) Anthracene	11.44	178	129504	5.35	ng	97
73) Di-n-butylphthalate	11.93	149	100250	4.01	ng	# 98
74) Fluoranthene	12.58	202	688925	27.70	ng	98
77) Pyrene	12.81	202	699267	31.89	ng	98
80) Benzo(a)anthracene	14.00	228	474430	26.48	ng	98
82) Chrysene	14.03	228	426285m	25.41	ng	
85) Indeno(1,2,3-cd)pyrene	16.84	276	322968	24.85	ng	96
87) Benzo(b)fluoranthene	15.03	252	542232m	26.35	ng	
88) Benzo(k)fluoranthene	15.04	252	282526m	15.90	ng	
89) Benzo(a)pyrene	15.38	252	497759	27.96	ng	# 96
90) Dibenzo(a,h)anthracene	16.85	278	81405m	5.66	ng	
91) Benzo(g,h,i)perylene	17.28	276	307568	21.16	ng	# 91

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

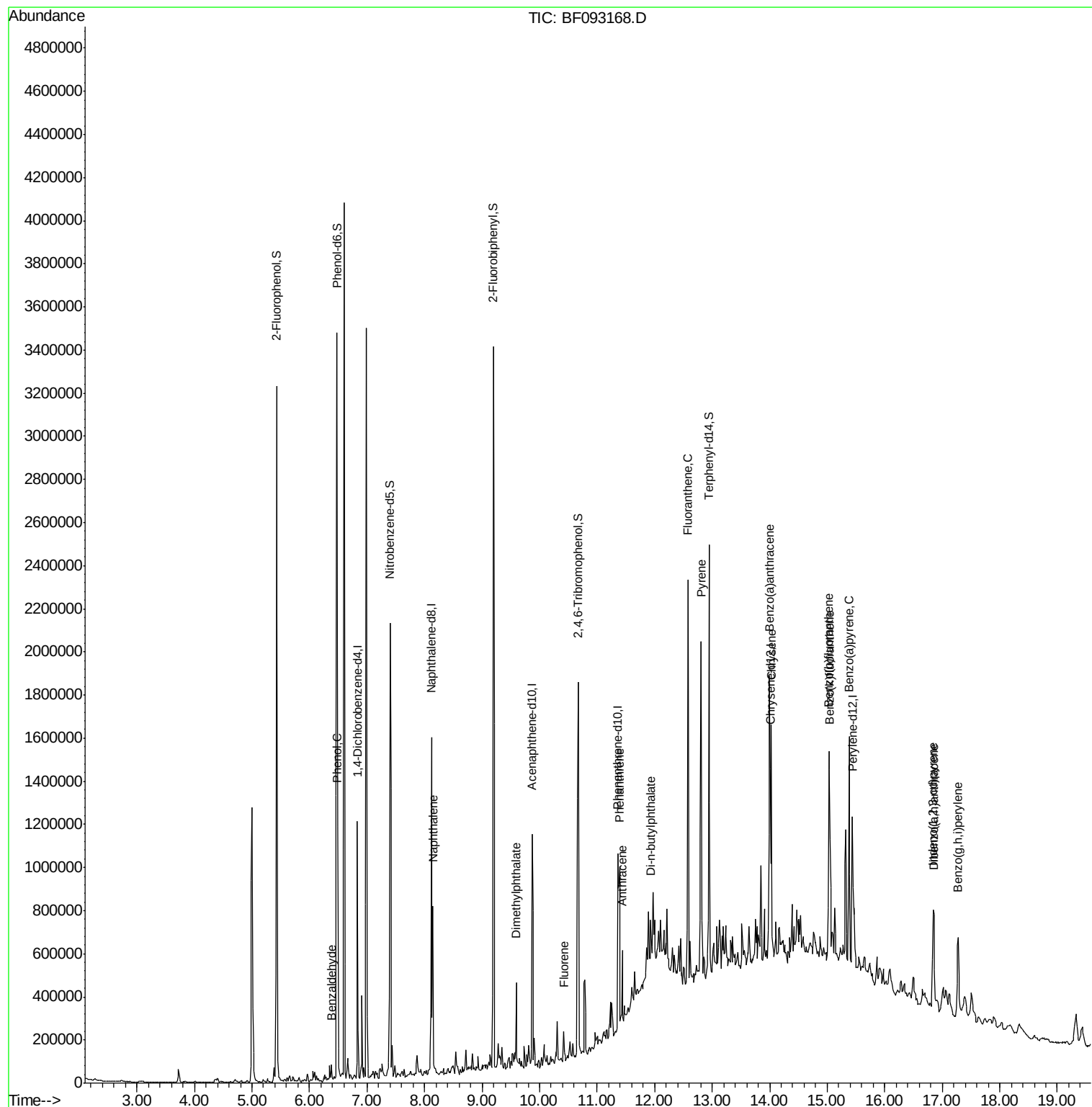
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093168.D
Acq On : 25 Feb 2017 2:19
Operator : SJ/MA
Sample : I1955-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

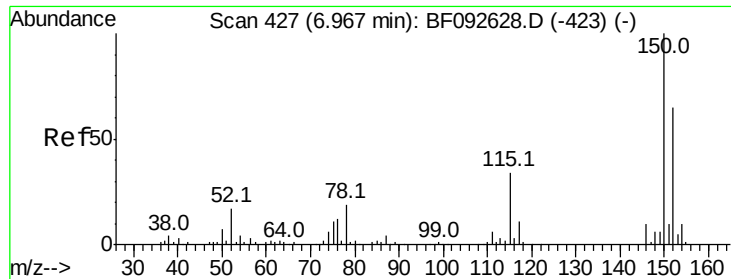
Instrument :
BNA_F
ClientSampleId :
B1-3

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#1

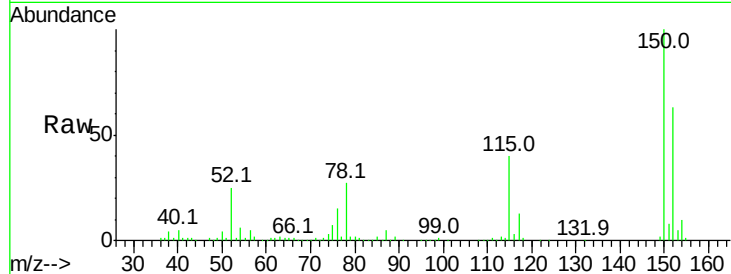
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.9	187.3
115	62.8	46.0	69.0

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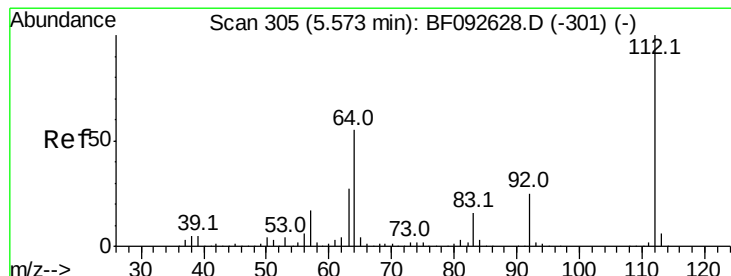
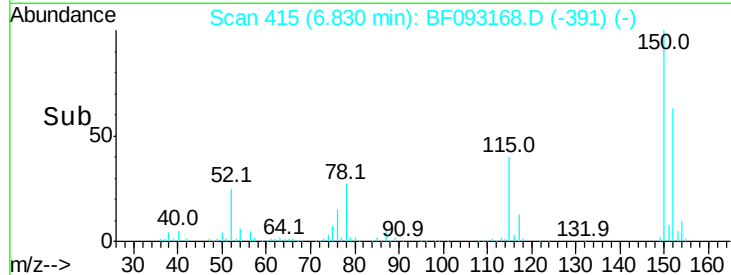
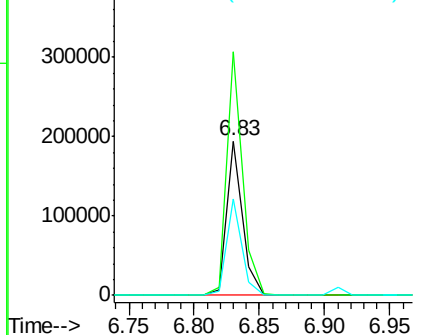


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

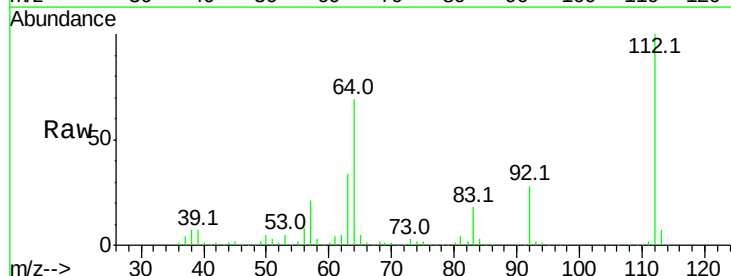
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.24 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	46.1	69.1
63	33.8	23.8	35.6

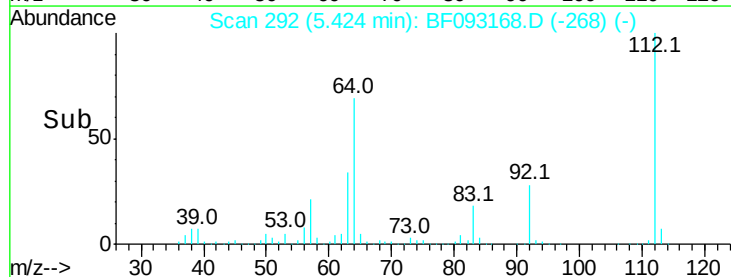
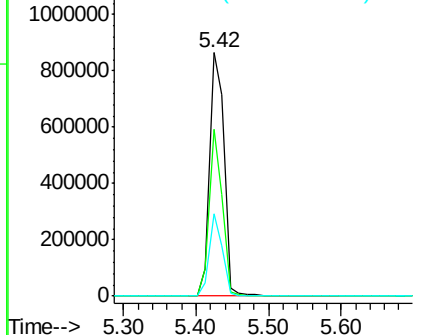


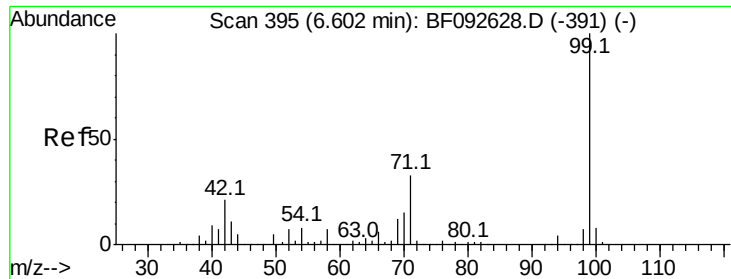
Abundance

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: 113.80 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093168.D

Acq: 25 Feb 2017 2:19

Instrument :

BNA_F

ClientSampleId :

B1-3

Tot Ion: 99 Resp: 1406094

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

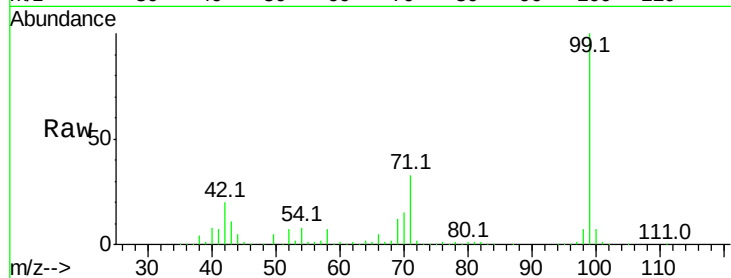
71 33.1 27.5 41.3

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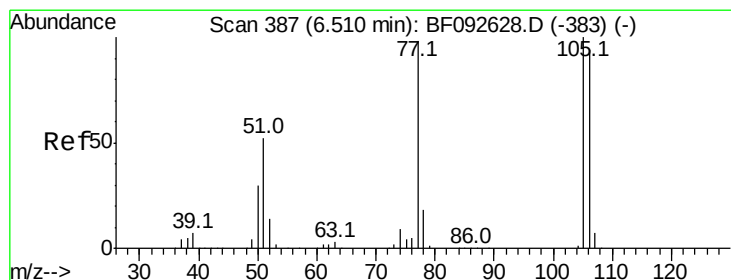
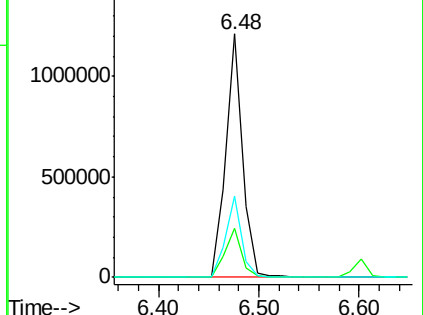
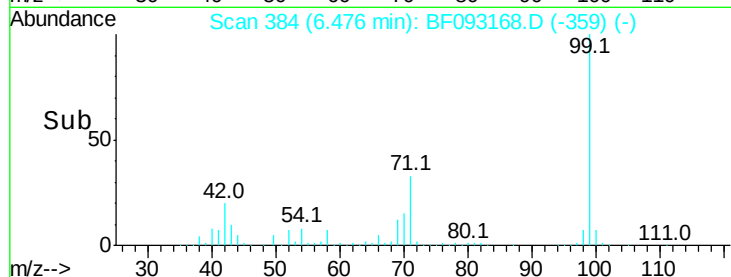
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.36 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093168.D

Acq: 25 Feb 2017 2:19

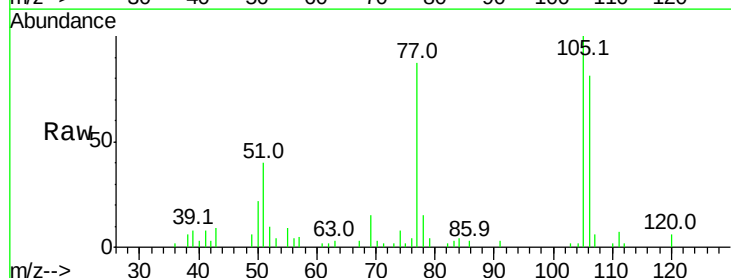
Tgt Ion: 77 Resp: 20856

Ion Ratio Lower Upper

77 100

105 114.3 83.9 123.9

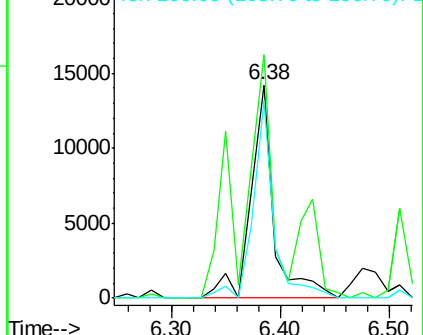
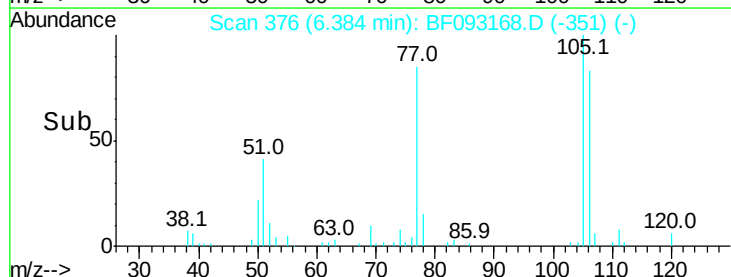
106 92.7 77.6 117.6

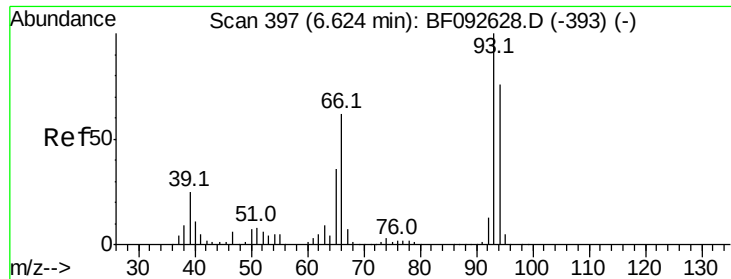


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





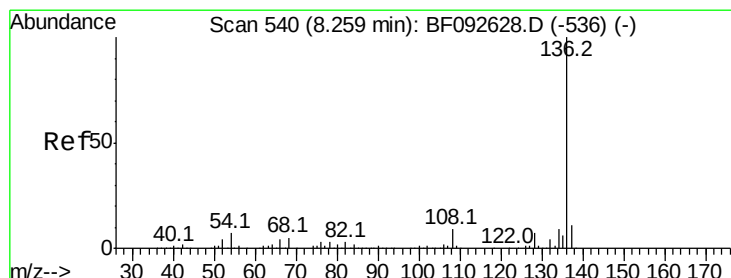
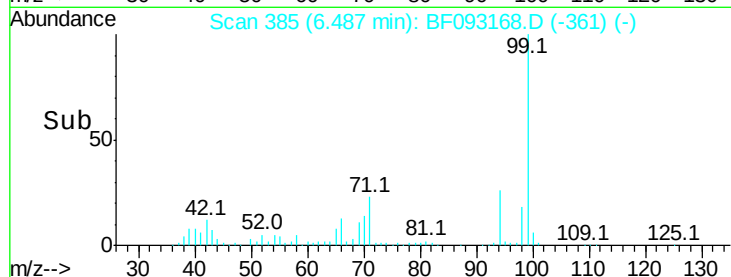
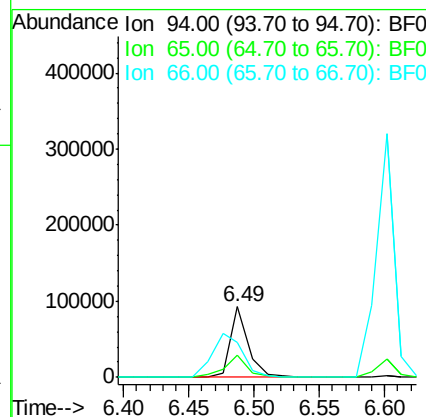
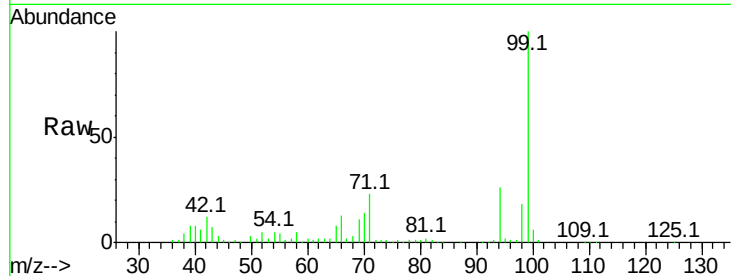
#10
Phenol
Concen: 6.12 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B1-3

Tot Ion	Ratio	Lower	Upper
94	100		
65	31.5	21.4	61.4
66	48.9	44.0	84.0

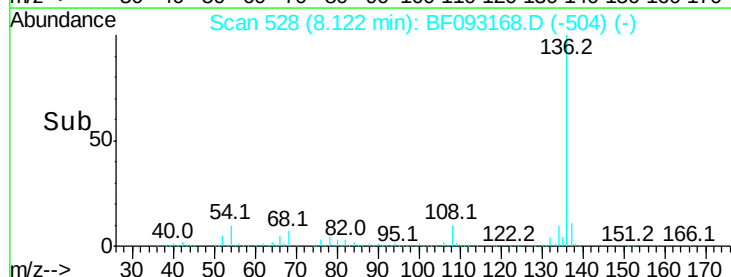
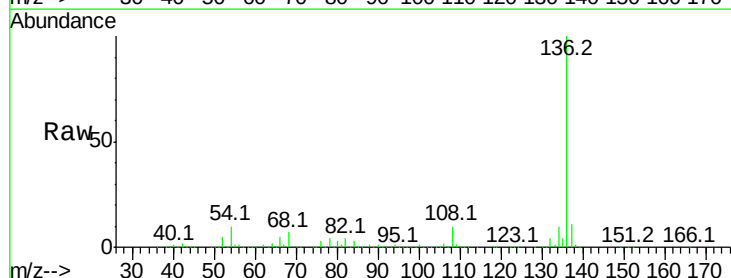
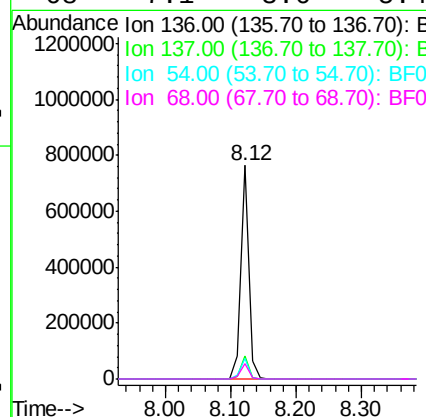
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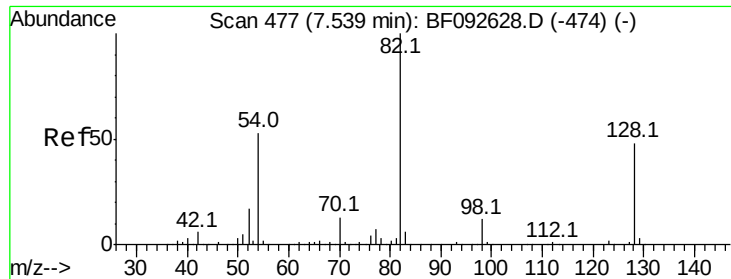
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.8	4.5	6.7#
68	7.1	3.6	5.4#





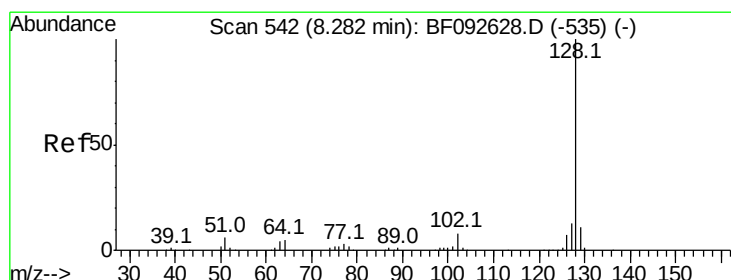
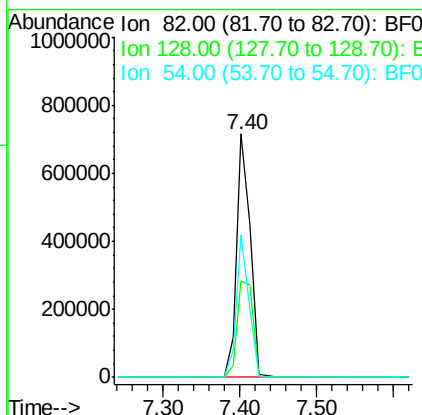
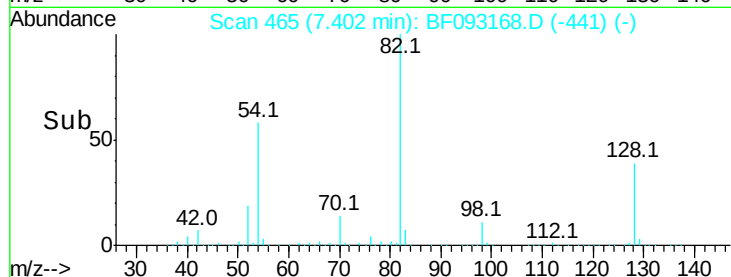
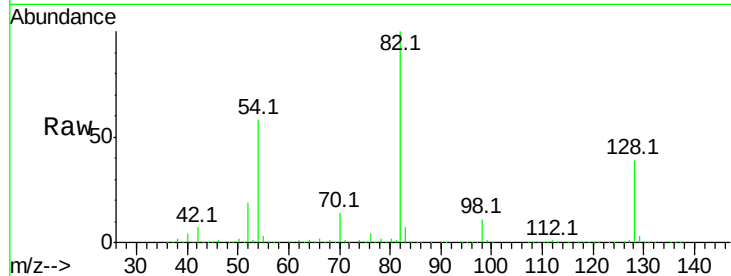
#23
 Nitrobenzene-d5
 Concen: 78.60 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093168.D
 Acq: 25 Feb 2017 2:19

Instrument :
 BNA_F
 ClientSampled :
 B1-3

Tot Ion:	82	Resp:	896600
Ion Ratio	Lower	Upper	
82	100		
128	39.4	34.6	52.0
54	58.3	39.5	59.3

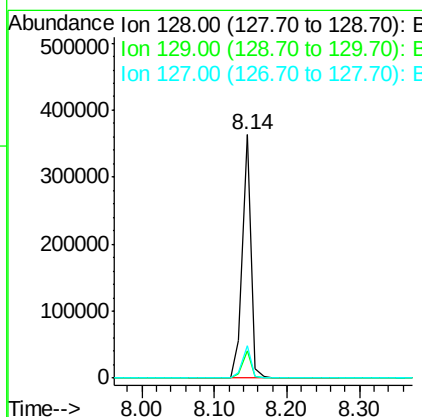
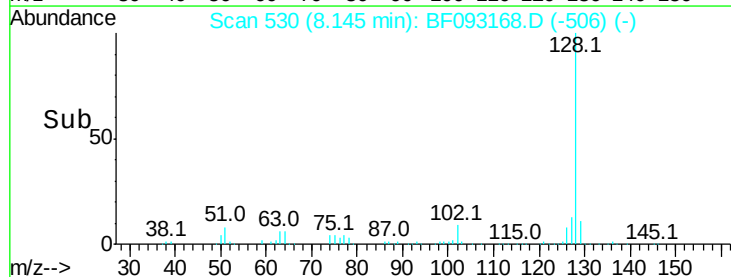
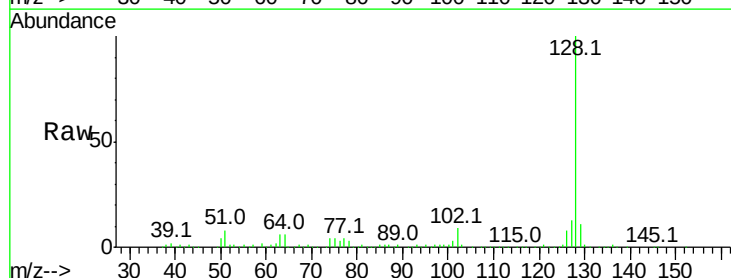
Manual Integrations
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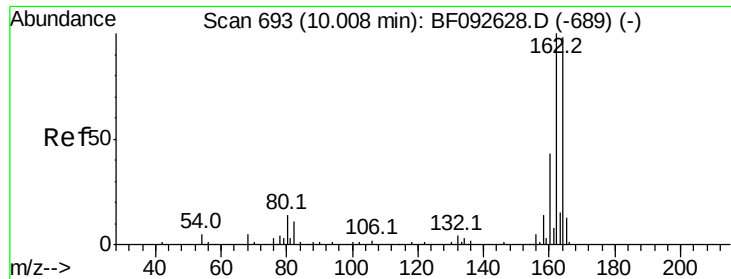
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#31
 Naphthalene
 Concen: 9.40 ng
 RT: 8.14 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF093168.D
 Acq: 25 Feb 2017 2:19

Tgt Ion:	128	Resp:	302829
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.5	14.3
127	13.4	10.8	16.2





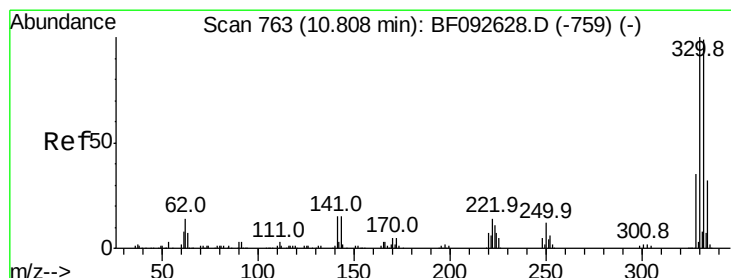
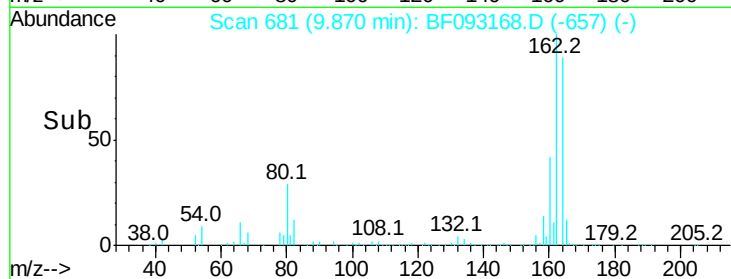
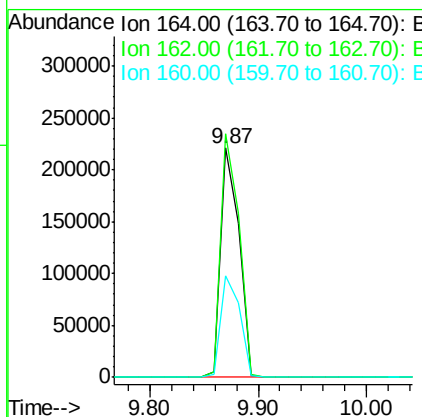
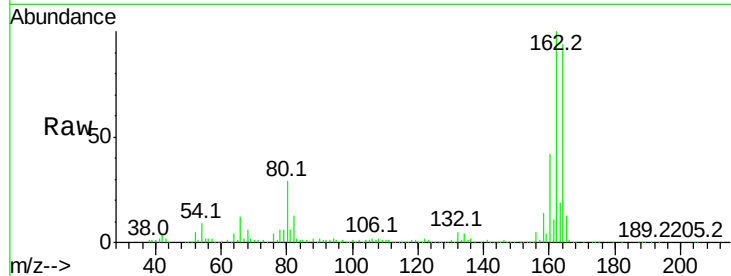
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	259938		
162	106.1	80.2	120.2	
160	44.5	36.9	55.3	

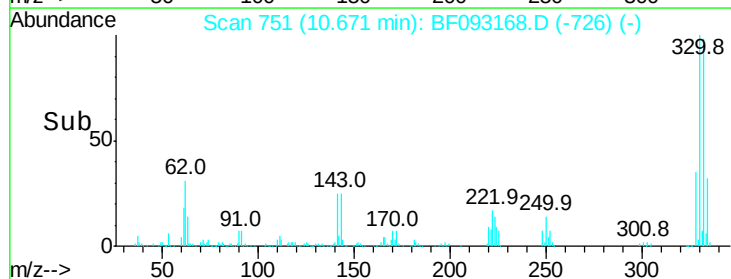
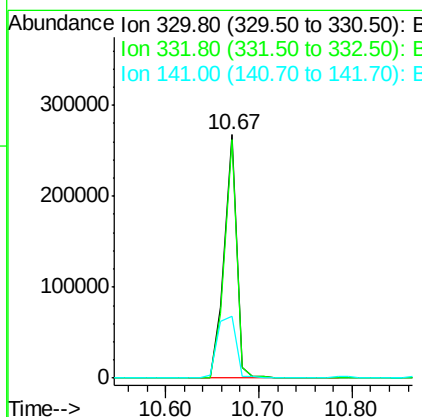
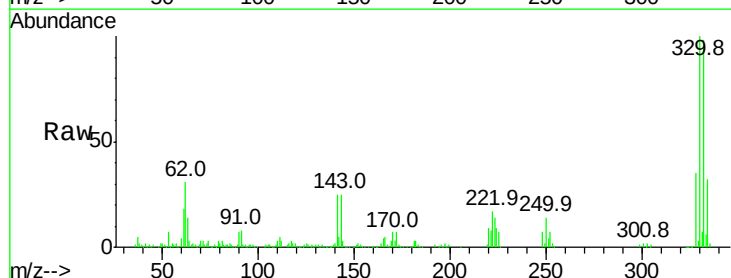
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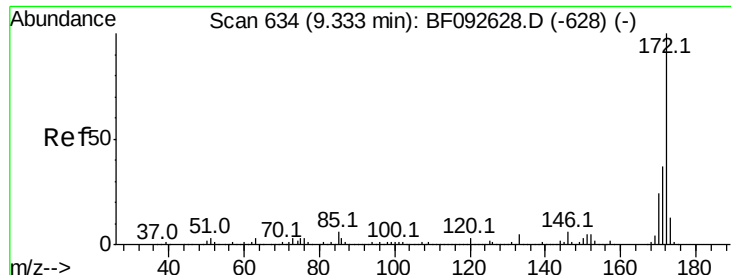
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#41
2,4,6-Tribromophenol
Concen: 133.12 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	250270		
332	96.4	77.4	116.2	
141	37.3	34.1	51.1	





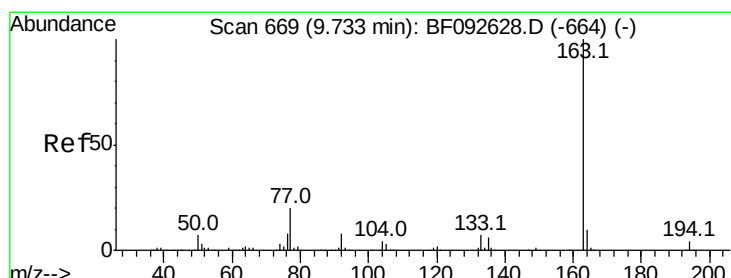
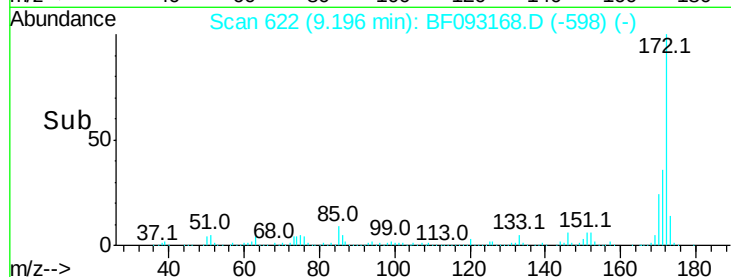
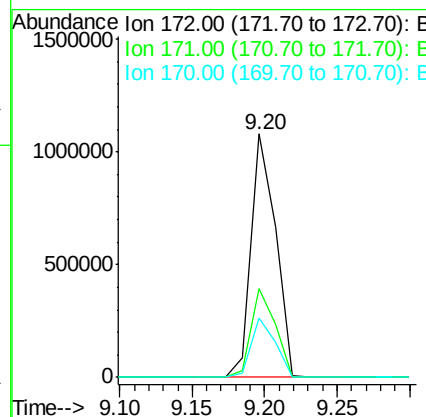
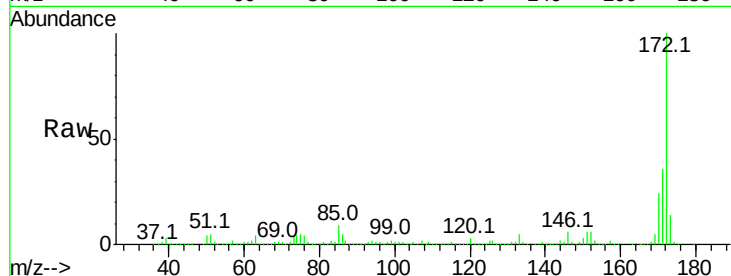
#44
2-Fluorobiphenyl
Concen: 88.32 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.3	20.2	30.4

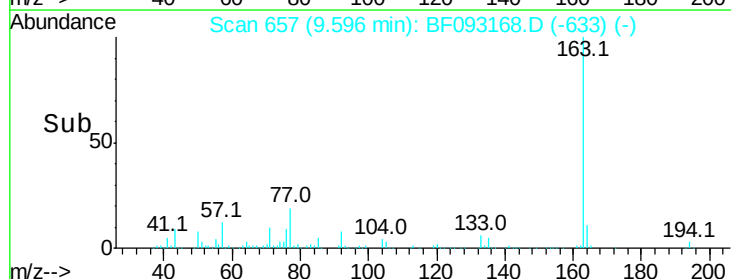
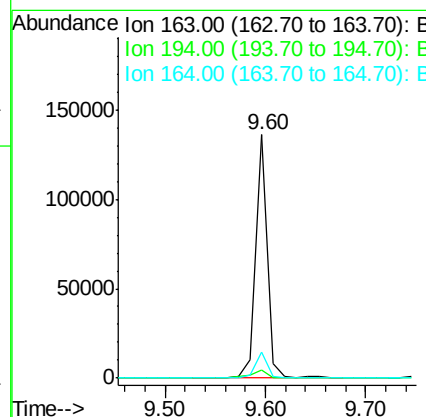
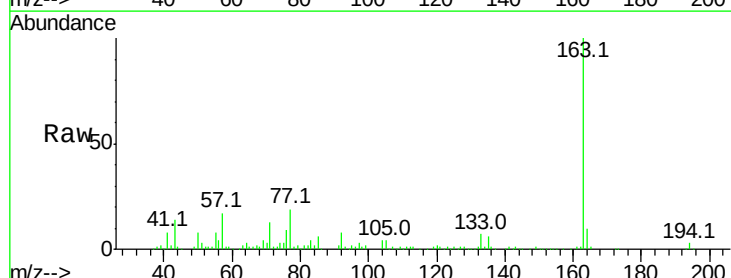
Manual Integrations
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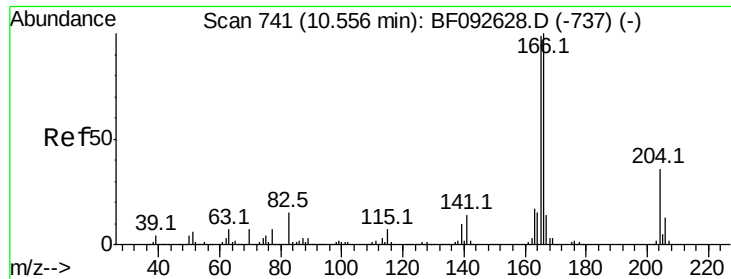
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#49
Dimethylphthalate
Concen: 6.27 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.5	8.0	12.0





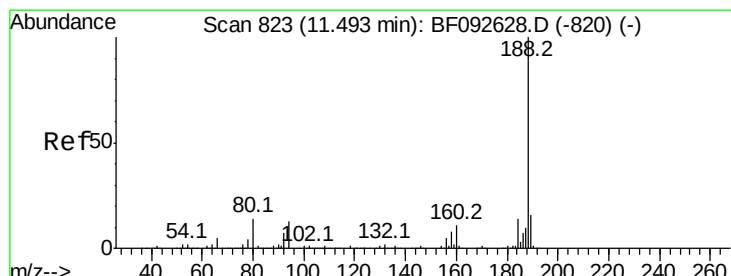
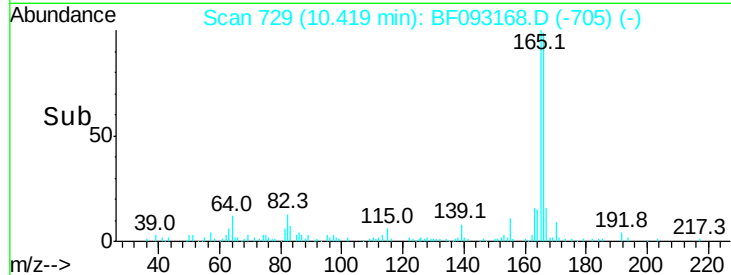
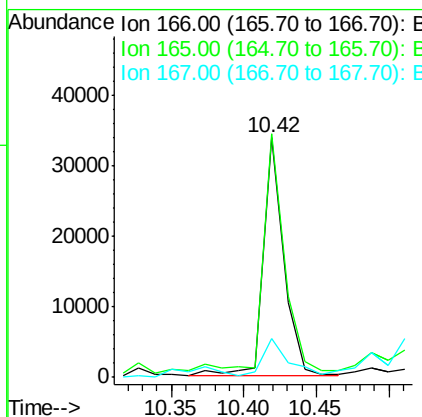
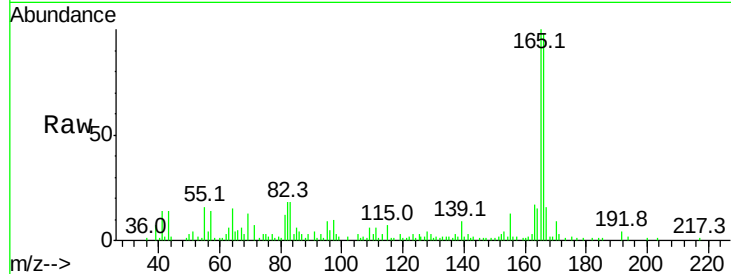
#57
Fluorene
 Concen: 2.10 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.02 min
 Lab File: BF093168.D
 Acq: 25 Feb 2017 2:19

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

Tot Ion:	166	Resp:	32800
Ion Ratio	Lower	Upper	
166	100		
165	101.6	77.8	116.8
167	16.0	10.8	16.2

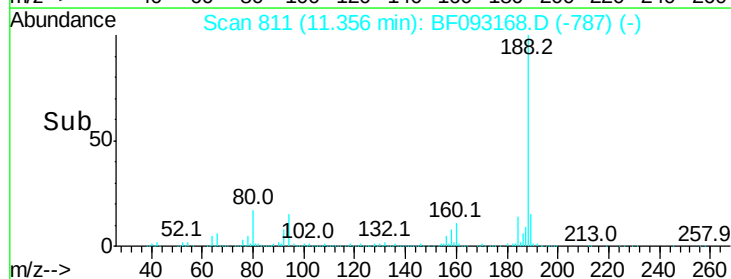
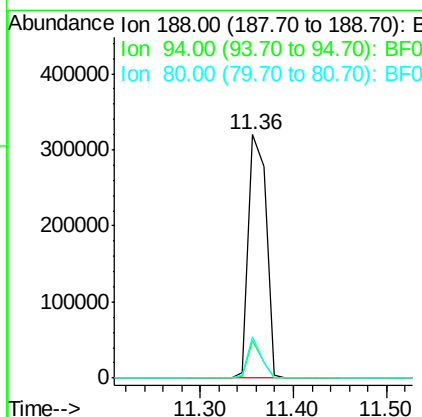
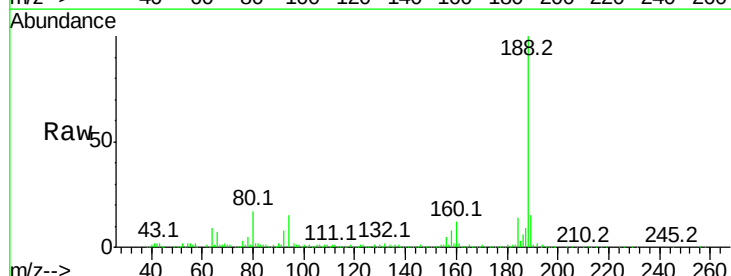
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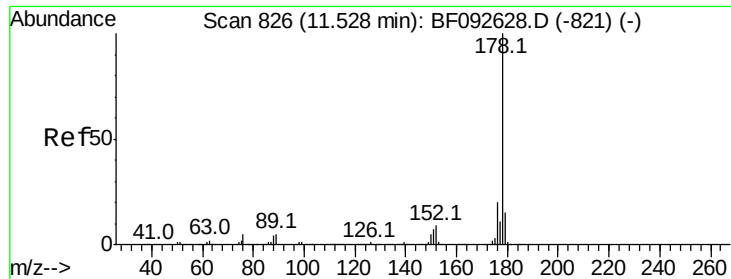
mohammad
 2/27/2017 1:08:00 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093168.D
 Acq: 25 Feb 2017 2:19

Tgt Ion:	188	Resp:	420788
Ion Ratio	Lower	Upper	
188	100		
94	15.4	10.0	15.0#
80	17.1	11.2	16.8#





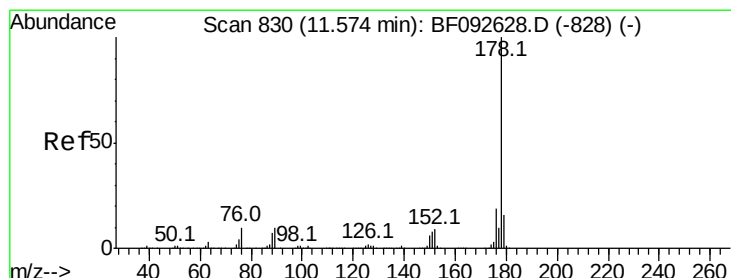
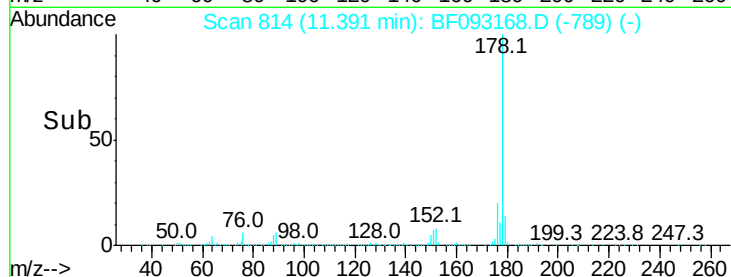
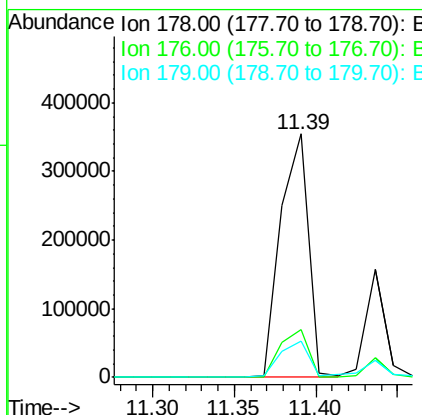
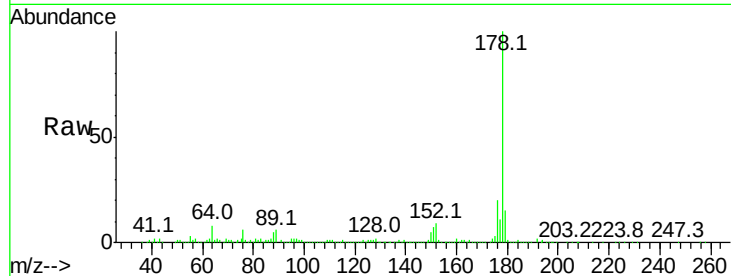
#70
Phenanthrene
Concen: 17.48 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	25.0
179	14.6	12.8	19.2

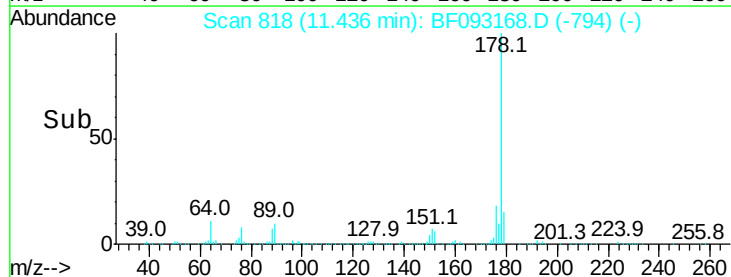
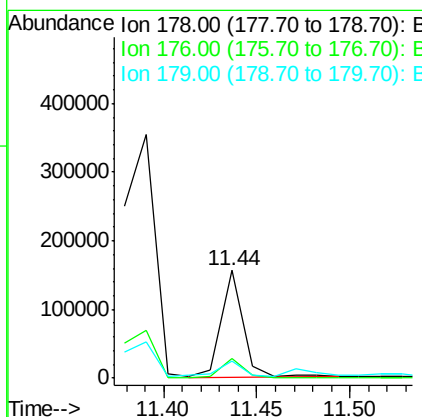
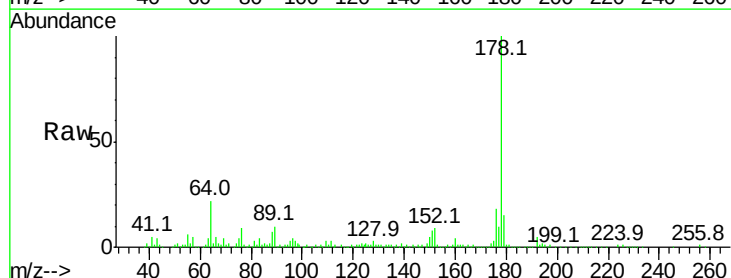
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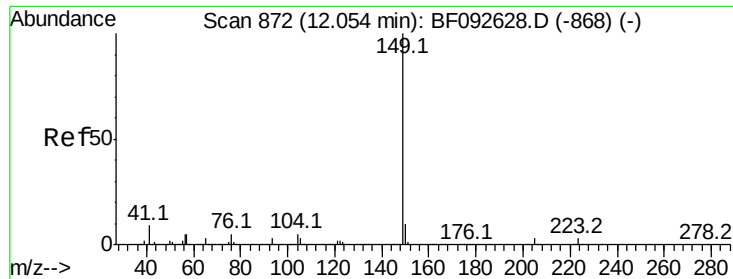
mohammad
2/27/2017 1:08:00 PM



#71
Anthracene
Concen: 5.35 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.4	13.2	19.8





#73

Di-n-butylphthalate

Concen: 4.01 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF093168.D

Acq: 25 Feb 2017 2:19

Instrument :

BNA_F

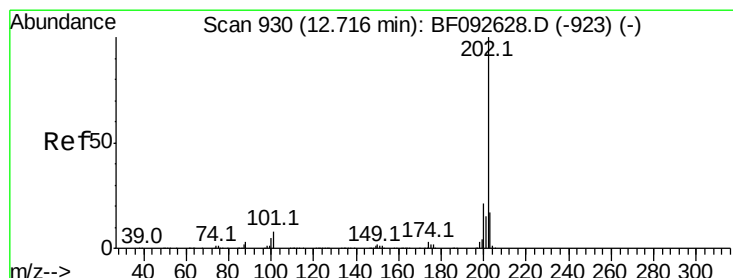
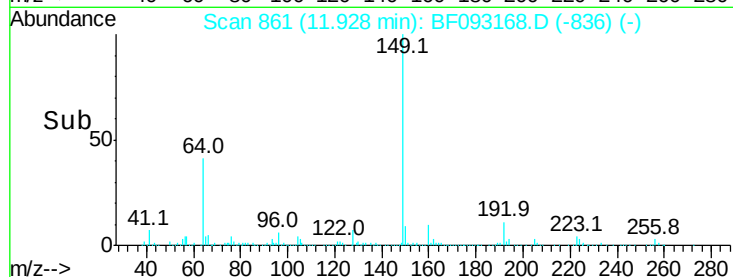
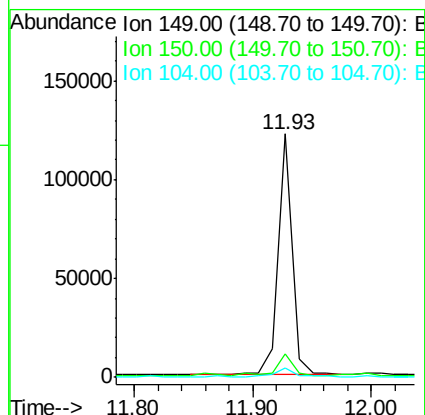
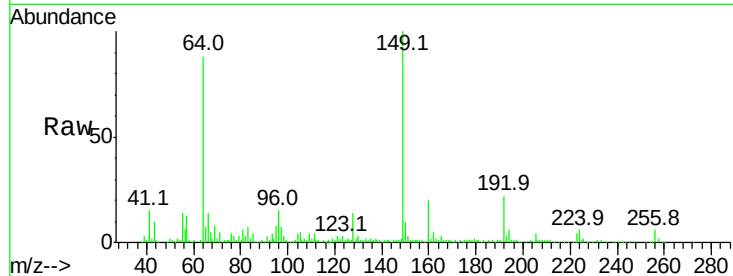
ClientSampleId :

B1-3

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.8	8.1	12.1
104	4.0	4.6	7.0#

Manual Integrations
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#74

Fluoranthene

Concen: 27.70 ng

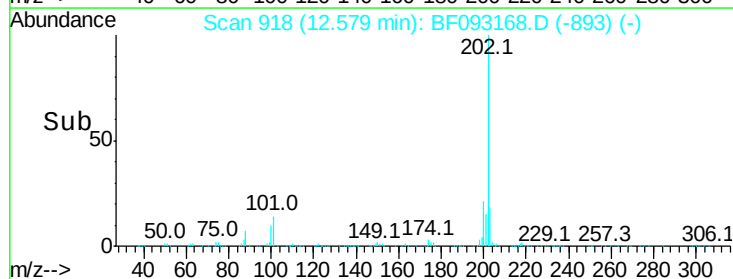
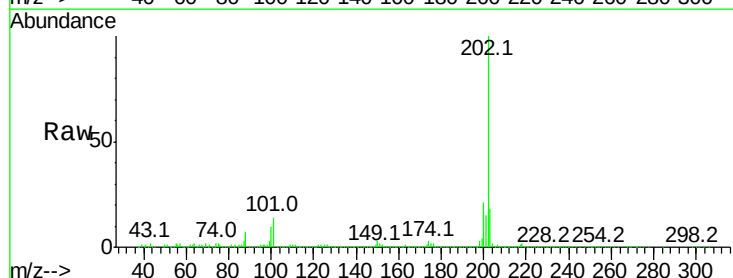
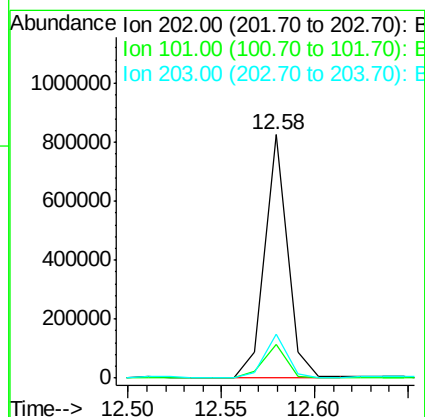
RT: 12.58 min Scan# 918

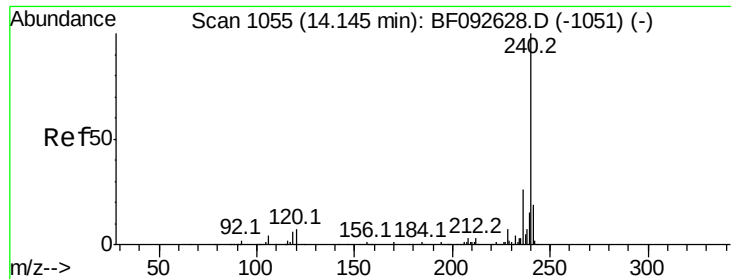
Delta R.T. -0.01 min

Lab File: BF093168.D

Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	34.6
203	17.9	0.0	38.7





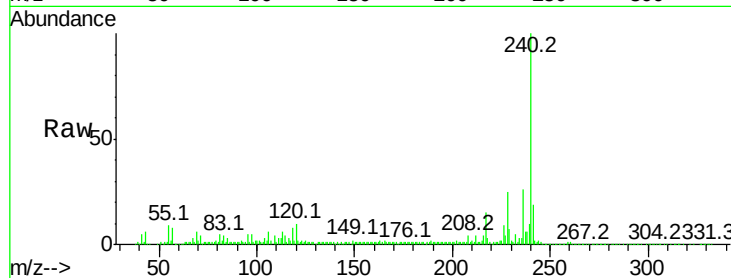
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B1-3

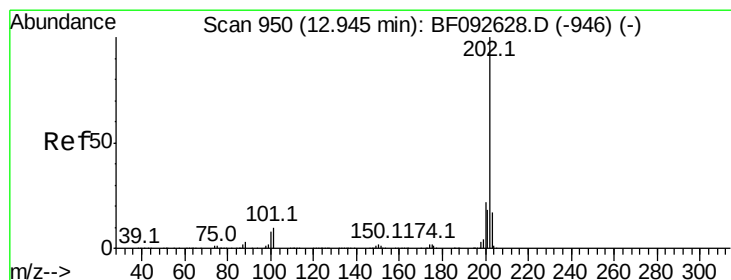
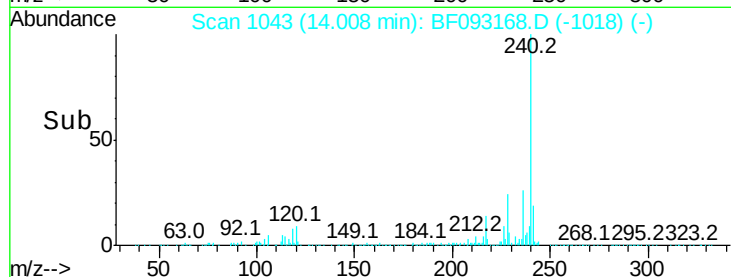
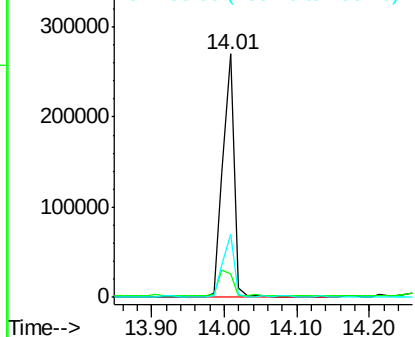
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.5	12.9	19.3	
236	25.8	20.9	31.3	

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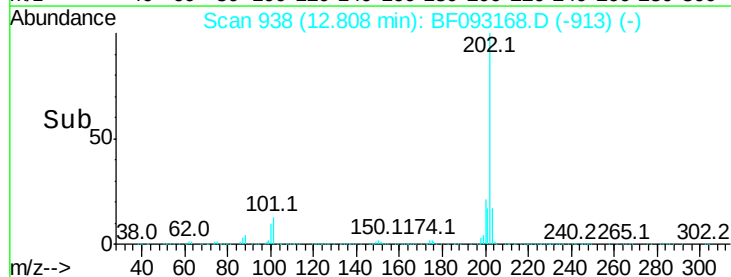
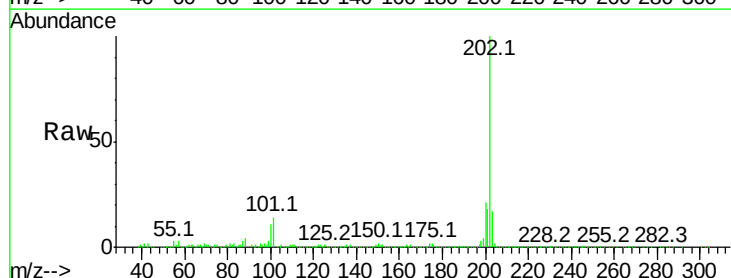
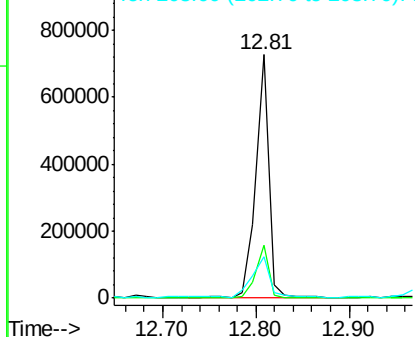
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

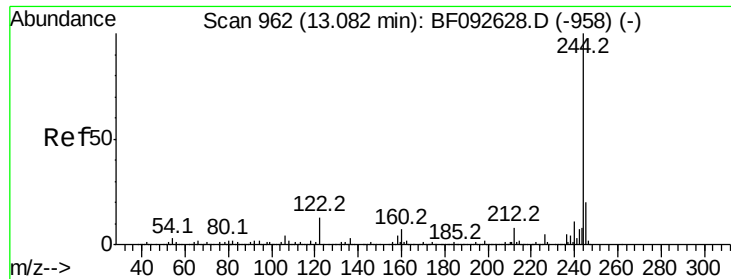


#77
Pyrene
Concen: 31.89 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	17.7	26.5	
203	17.2	14.7	22.1	

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





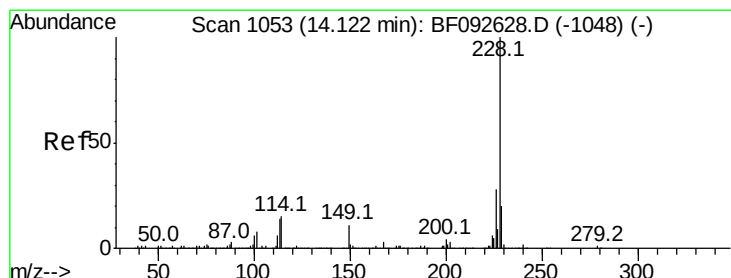
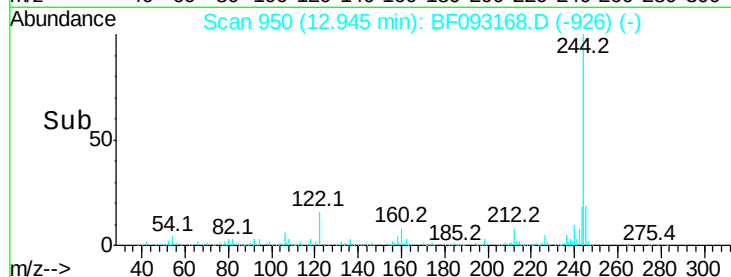
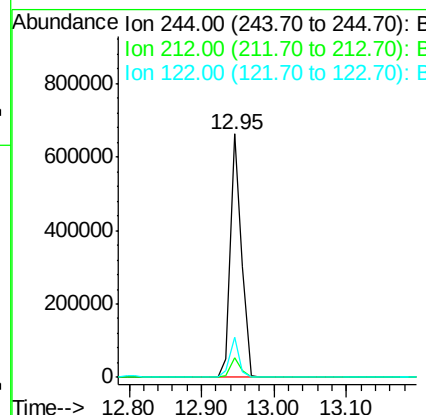
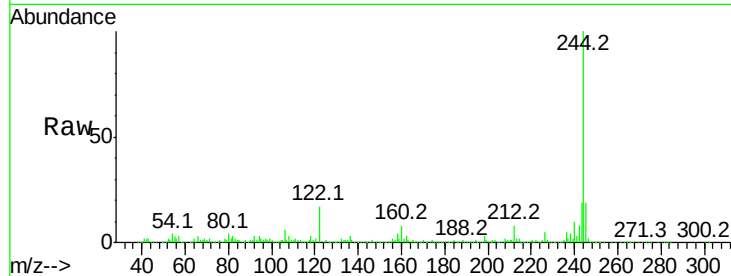
#78
 Terphenyl-d14
 Concen: 56.37 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093168.D
 Acq: 25 Feb 2017 2:19

Instrument :
 BNA_F
 ClientSampleId :
 B1-3

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.1	6.2	9.2
122	16.5	11.4	17.2

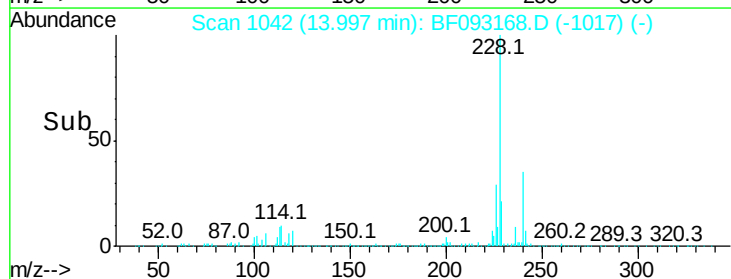
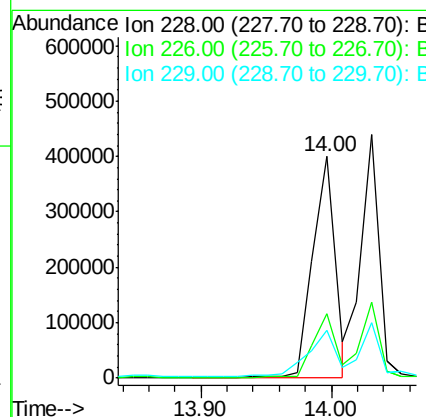
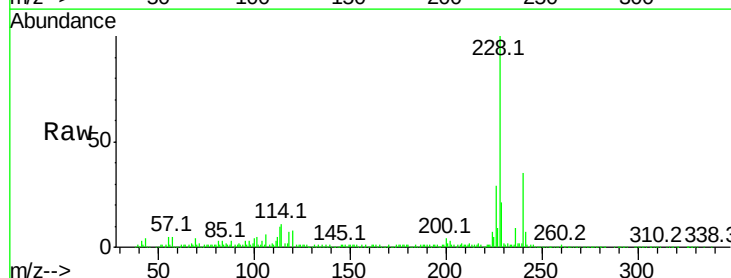
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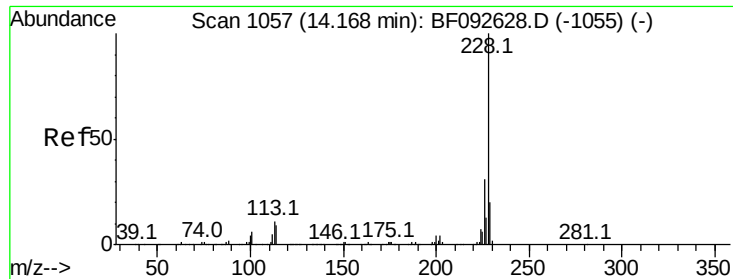
mohammad
 2/27/2017 1:08:00 PM



#80
 Benzo(a)anthracene
 Concen: 26.48 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF093168.D
 Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.3	22.4	33.6
229	21.4	16.2	24.4





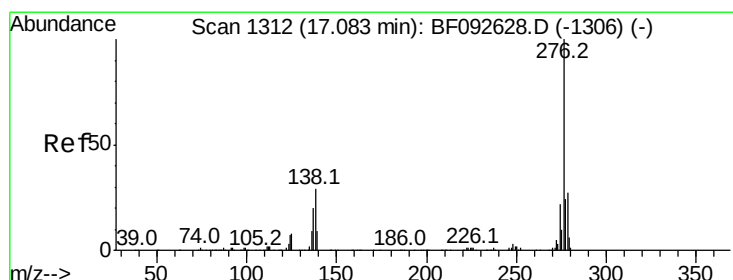
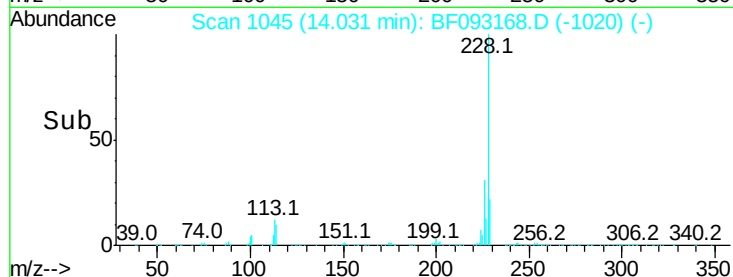
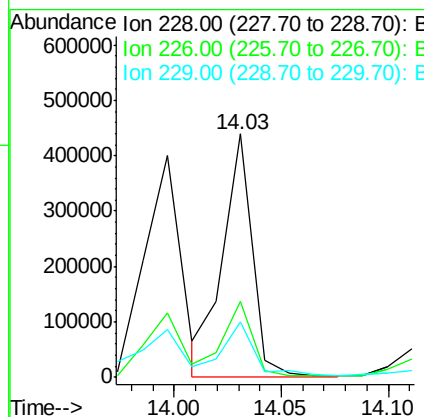
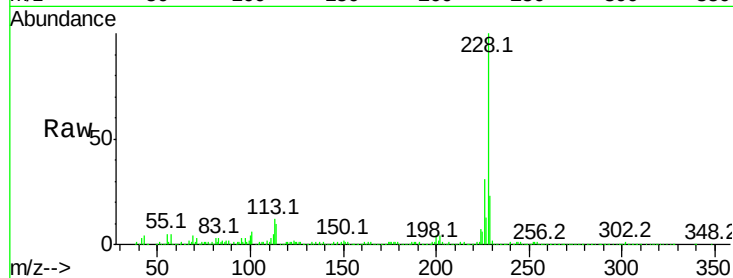
#82
Chrysene
Concen: 25.41 ng m
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion:	228	Resp:	426285
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.4	38.0
229	22.6	16.2	24.2

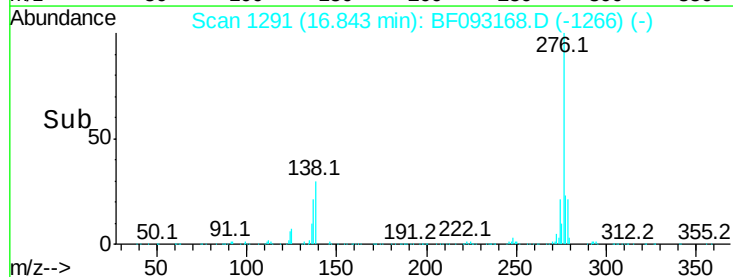
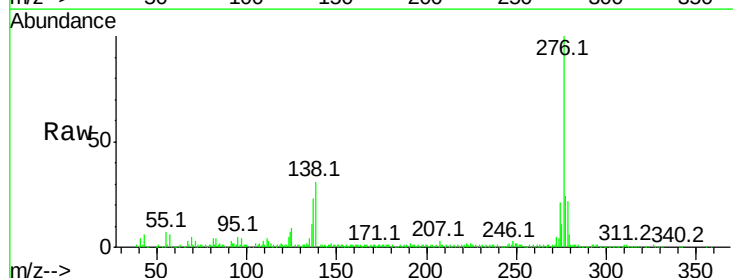
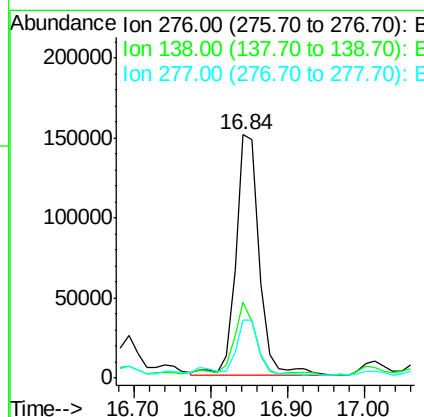
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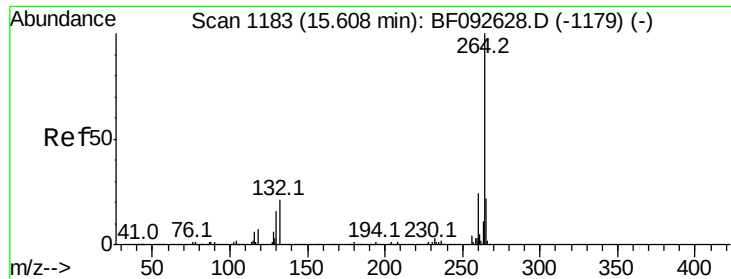
mohammad
2/27/2017 1:08:00 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 24.85 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion:	276	Resp:	322968
Ion Ratio	Lower	Upper	
276	100		
138	27.5	21.8	32.6
277	21.7	20.2	30.4





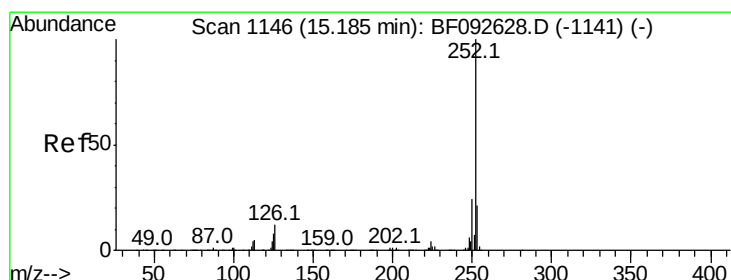
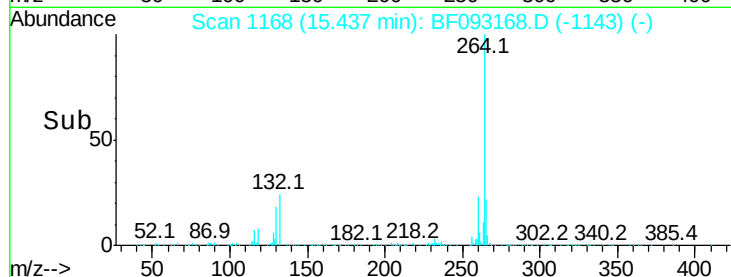
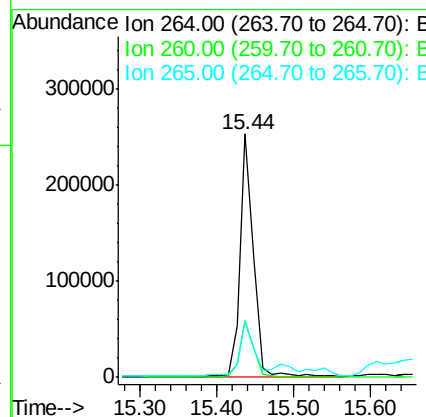
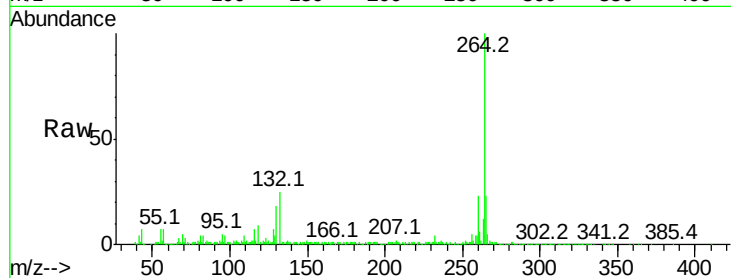
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B1-3

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.6	17.4	26.0

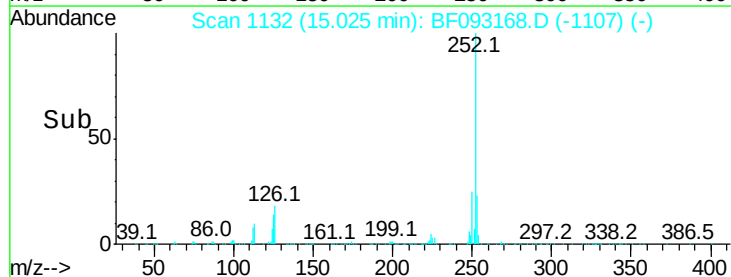
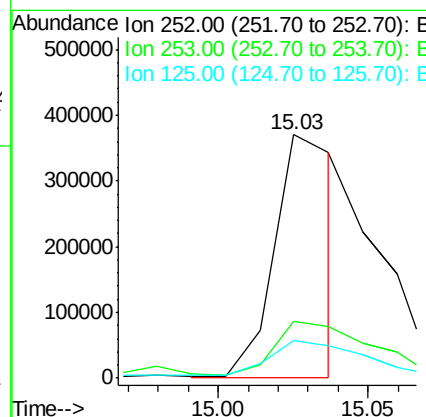
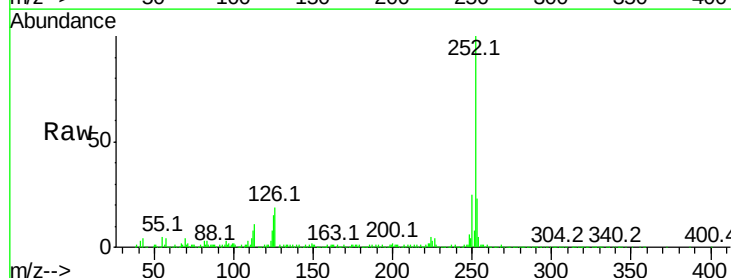
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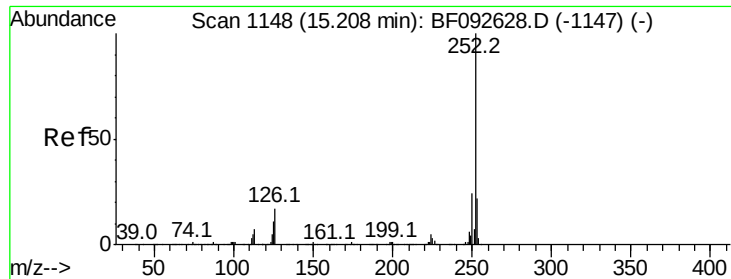
mohammad
2/27/2017 1:08:00 PM



#87
Benzo(b)fluoranthene
Concen: 26.35 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	18.2	27.4
125	15.2	9.8	14.6#





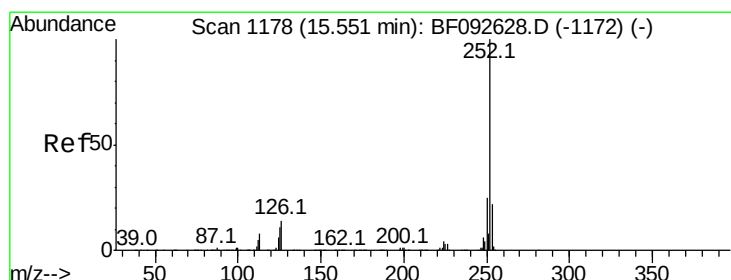
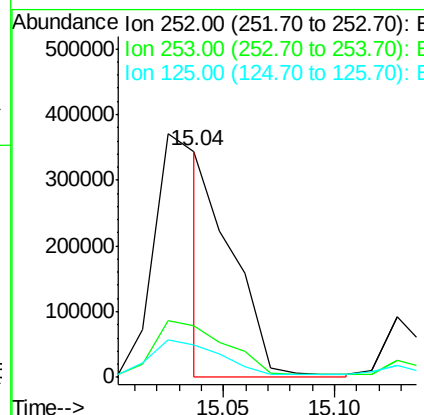
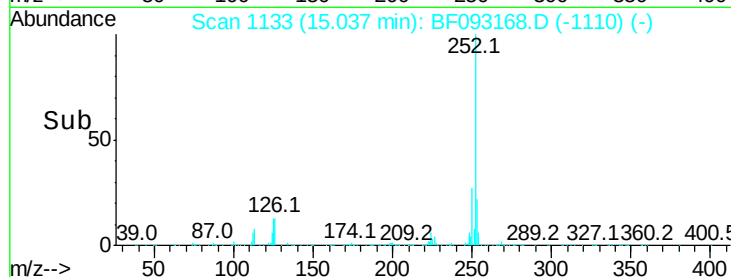
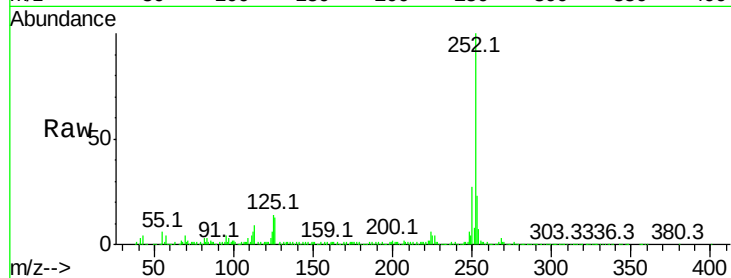
#88
Benzo(k)fluoranthene
Concen: 15.90 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	18.5	27.7
125	14.4	8.9	13.3

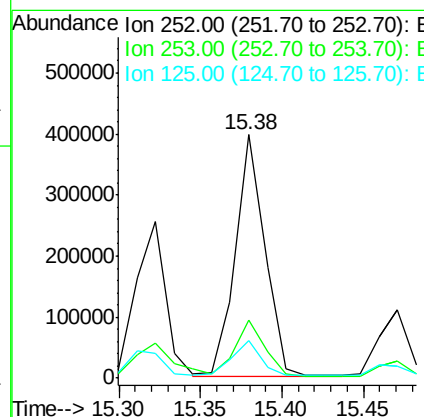
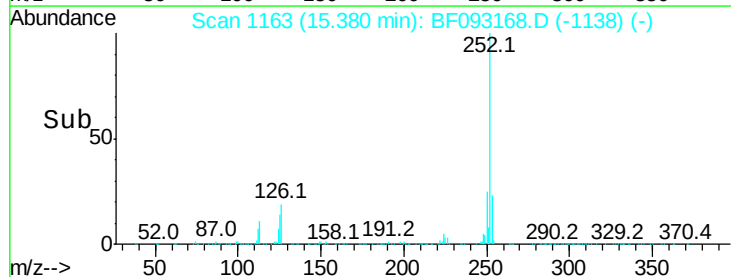
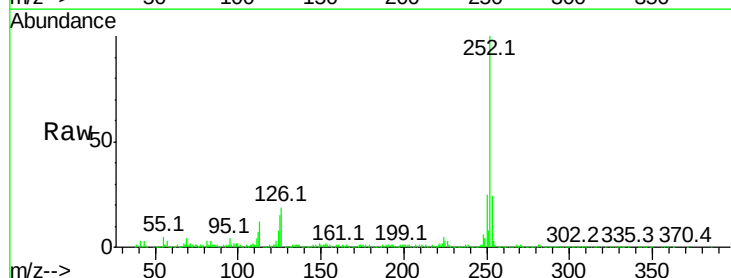
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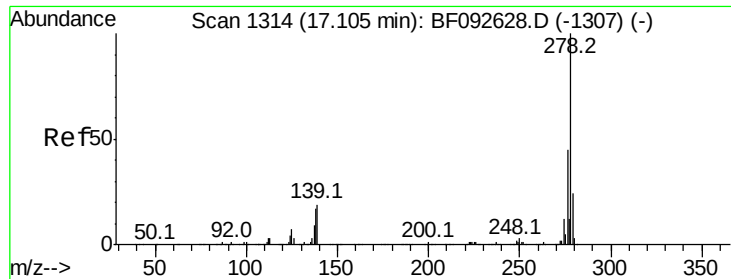
mohammad
2/27/2017 1:08:00 PM



#89
Benzo(a)pyrene
Concen: 27.96 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	18.2	27.2
125	15.2	10.0	15.0





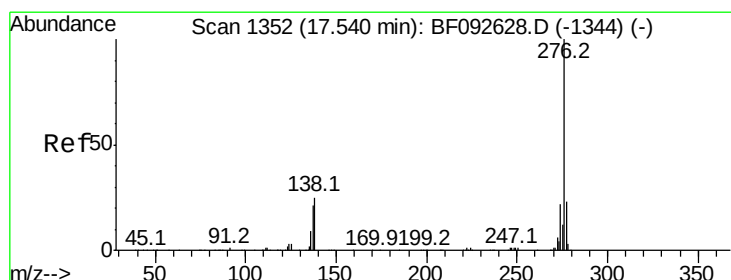
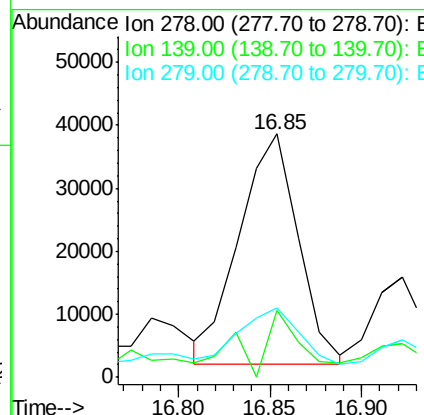
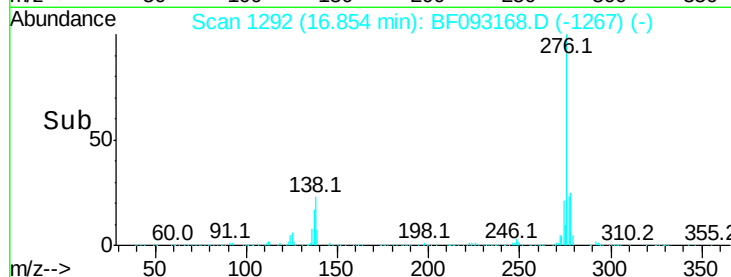
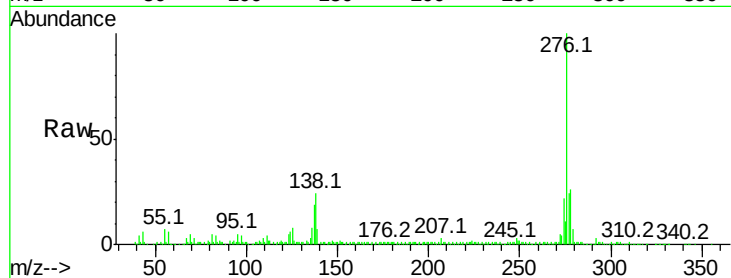
#90
Dibenzo(a,h)anthracene
Concen: 5.66 ng/mL
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Instrument :
BNA_F
ClientSampled :
B1-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.7	14.8	22.2#
279	28.7	19.8	29.6

Manual Integrations
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2/27/2017 1:08:00 PM



#91
Benzo(g,h,i)perylene
Concen: 21.16 ng/mL
RT: 17.28 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF093168.D
Acq: 25 Feb 2017 2:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	29.0	16.0	24.0#

