

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
 Data File : BE092660.D
 Acq On : 19 Jan 2017 16:52
 Operator : UM/SJ
 Sample : I1305-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 0050

Manual Integrations
 APPROVED

mohammad
 1/20/2017 2:05:22 PM

Quant Time: Jan 20 10:19:44 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7958	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	38564	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	26185	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	62221	5.00	ng	0.00
24) Chrysene-d12	21.72	240	67630	5.00	ng	0.00
31) Perylene-d12	24.06	264	75514	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	13139	7.40	ng	-0.01
5) Phenol-d6	7.31	99	18032	8.28	ng	-0.02
8) Nitrobenzene-d5	9.32	82	8205	3.28	ng	-0.02
13) 2,4,6-Tribromophenol	16.27	330	6191	8.01	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	21422	3.33	ng	-0.02
26) Terphenyl-d14	20.14	244	37687	3.94	ng	-0.02
Target Compounds						
9) Naphthalene	10.95	128	92676	11.51	ng	Qvalue # 95
15) Acenaphthylene	14.49	152	224694	6.23	ng	100
16) Acenaphthene	14.85	154	52137	9.01	ng	91
17) Fluorene	15.83	166	54882	7.56	ng	100
21) Phenanthrene	17.58	178	126059	9.18	ng	95
22) Anthracene	17.67	178	190362	15.02	ng	99
23) Fluoranthene	19.58	202	901099	14.79	ng	99
25) Pyrene	19.93	202	597743	8.97	ng	98
27) Benzo(a)anthracene	21.68	228	267690m	4.02	ng	
28) Chrysene	21.75	228	357333m	4.77	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	12395	1.11	ng	# 70
30) Indeno(1,2,3-cd)pyrene	26.53	276	292052	3.61	ng	96
32) Benzo(b)fluoranthene	23.34	252	154396m	8.45	ng	
33) Benzo(k)fluoranthene	23.38	252	40945m	2.23	ng	
34) Benzo(a)pyrene	23.95	252	109953	6.41	ng	95
35) Dibenzo(a,h)anthracene	26.55	278	78070	4.65	ng	96
36) Benzo(a,h,i)perylene	27.28	276	654760	9.23	ng	97

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

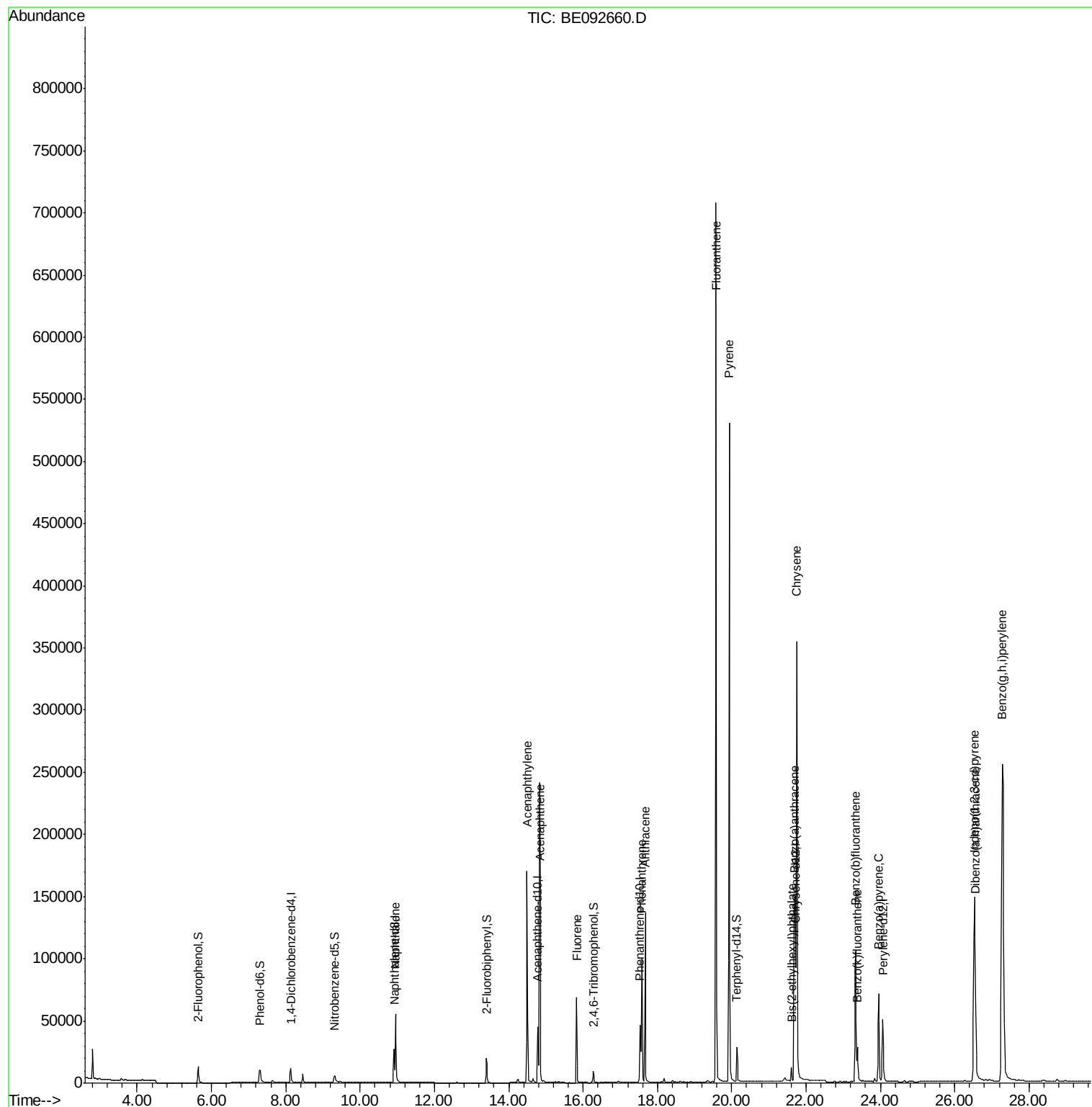
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
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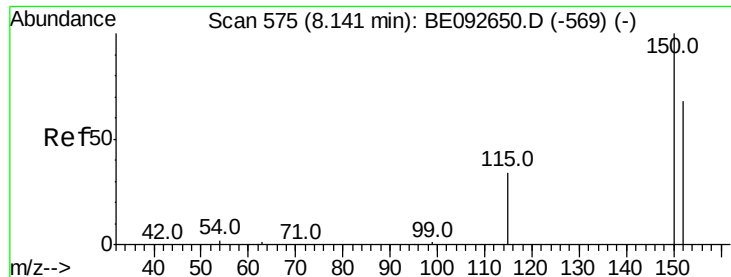
Instrument :
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0050

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092660.D

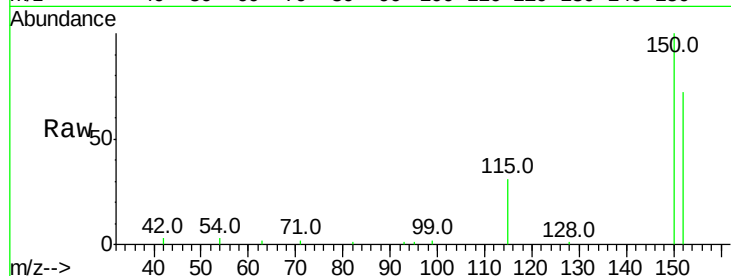
Acq: 19 Jan 2017 16:52

Instrument :

BNA_E

ClientSampleId :

0050



Tot Ion:152 Resp: 7958

Ion Ratio Lower Upper

152 100

150 138.7 106.0 159.0

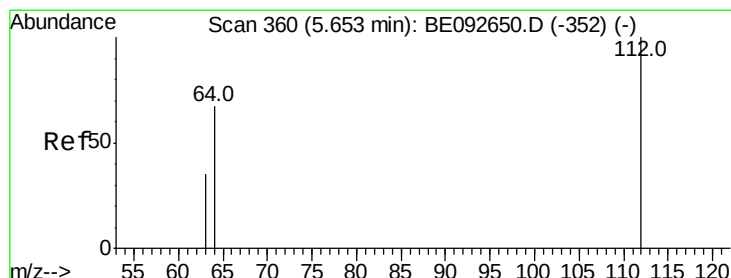
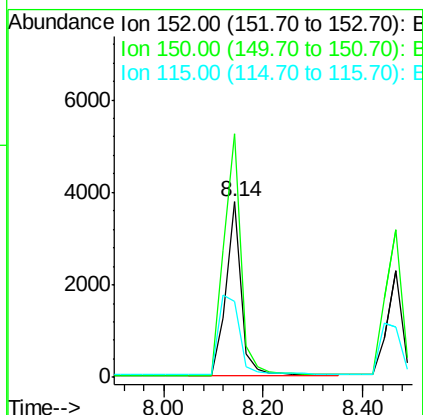
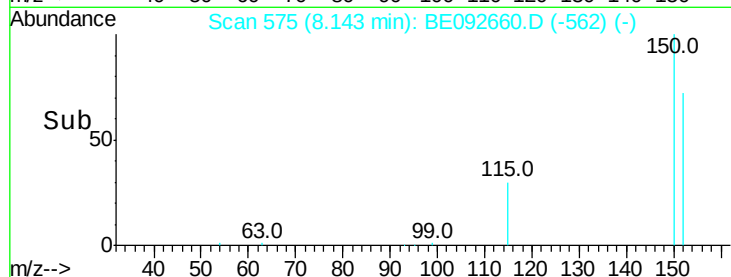
115 43.2 31.2 46.8

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#4

2-Fluorophenol

Concen: 7.40 ng

RT: 5.64 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

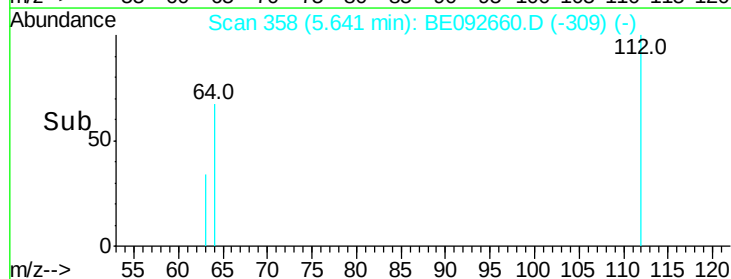
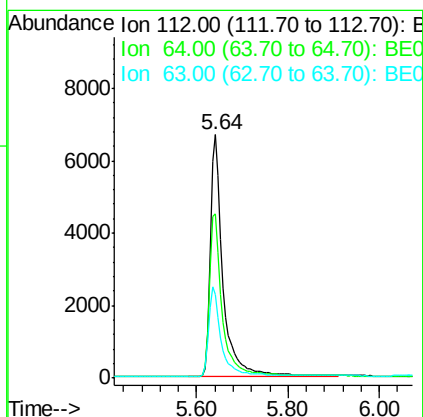
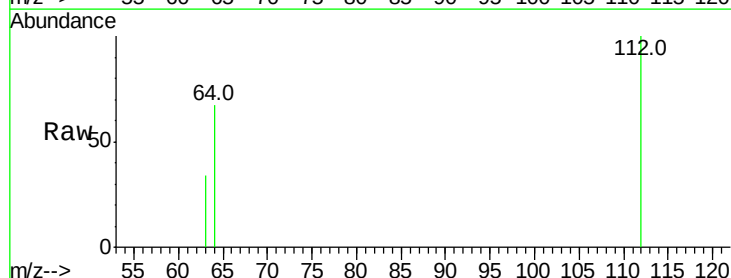
Tgt Ion:112 Resp: 13139

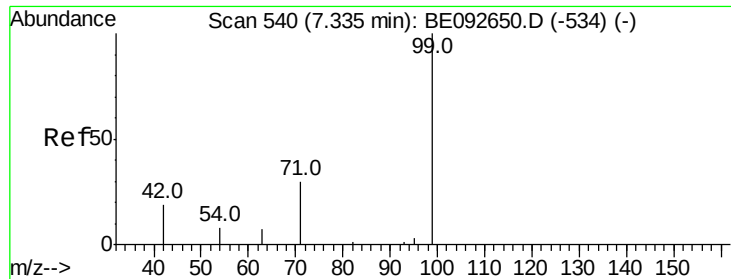
Ion Ratio Lower Upper

112 100

64 69.3 53.5 80.3

63 37.0 27.9 41.9





#5

Phenol-d6

Concen: 8.28 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Instrument :

BNA_E

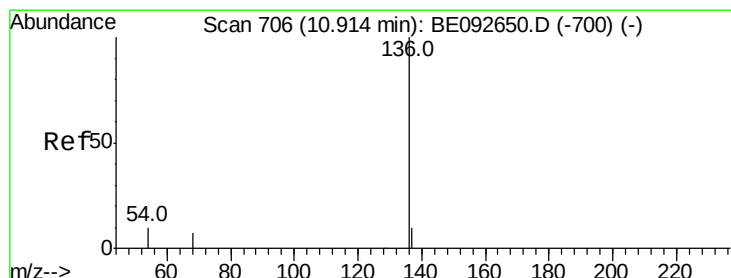
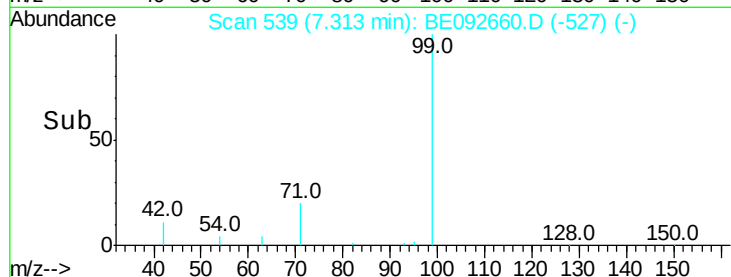
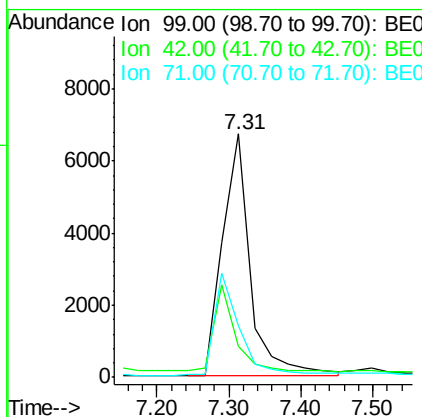
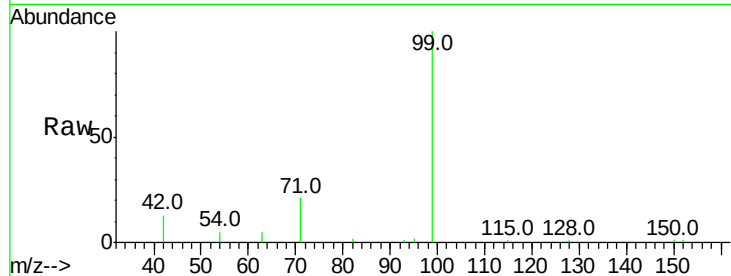
ClientSampleId :

0050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		18032		
42	0.0	16.0	24.0#		
71	0.0	30.6	45.8#		

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#7

Naphthalene-d8

Concen: 5.00 ng

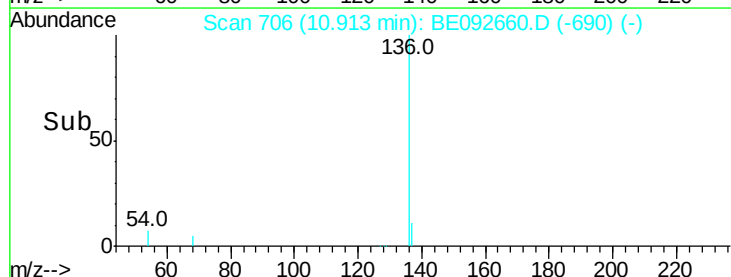
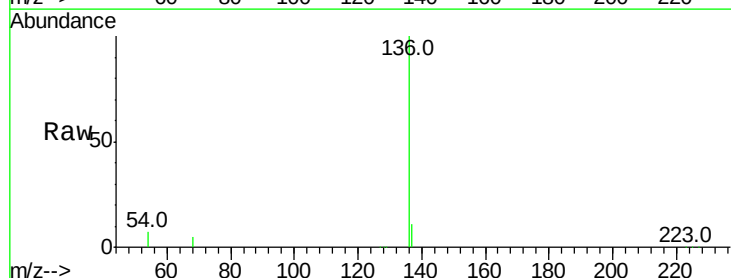
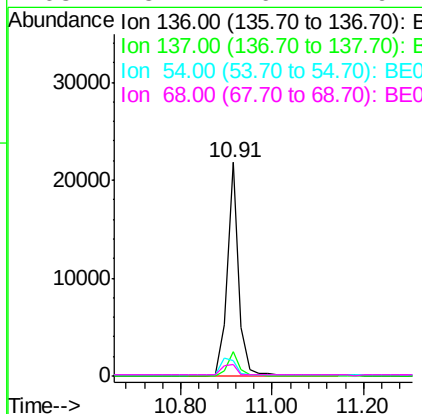
RT: 10.91 min Scan# 706

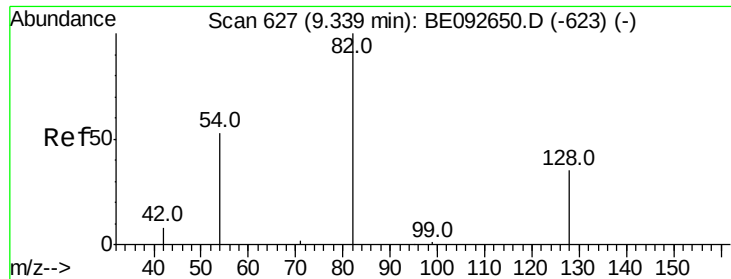
Delta R.T. -0.00 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		38564		
137	11.3	8.2	12.4		
54	7.1	9.6	14.4#		
68	5.4	6.7	10.1#		





#8

Nitrobenzene-d5

Concen: 3.28 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Instrument :

BNA_E

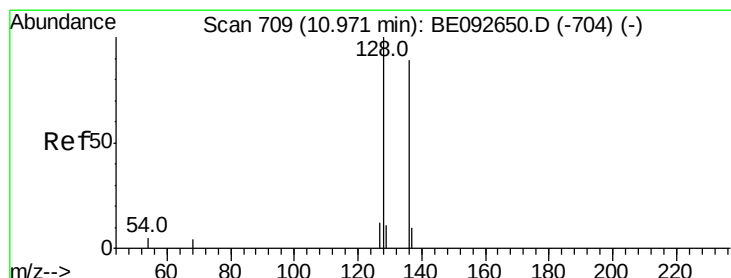
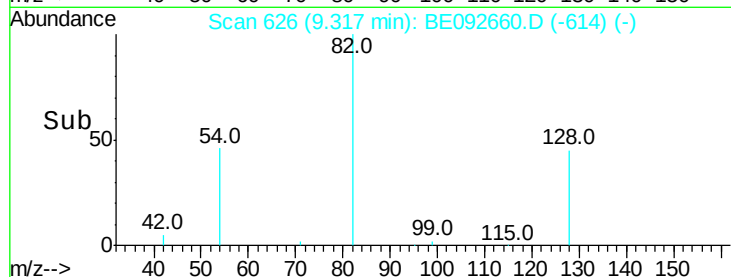
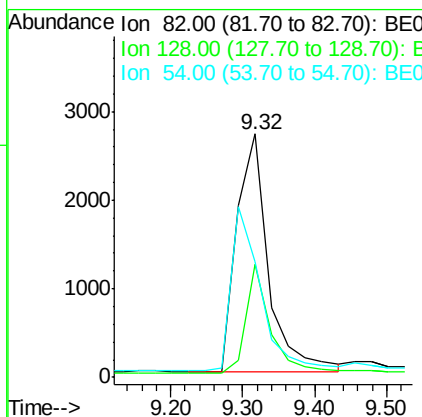
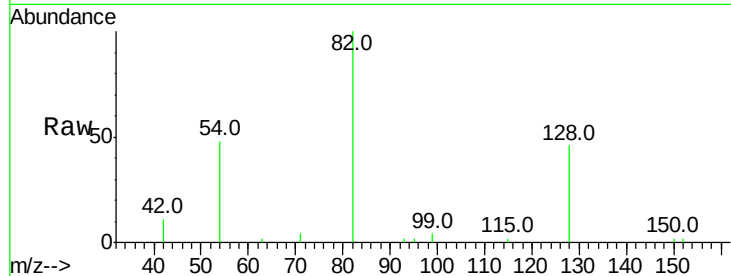
ClientSampleId :

0050

Tot Ion:	82	Resp:	8205
Ion	Ratio	Lower	Upper
82	100		
128	46.3	39.0	58.4
54	47.7	44.8	67.2

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#9

Naphthalene

Concen: 11.51 ng

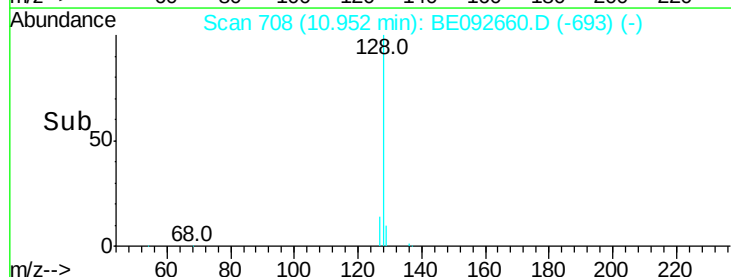
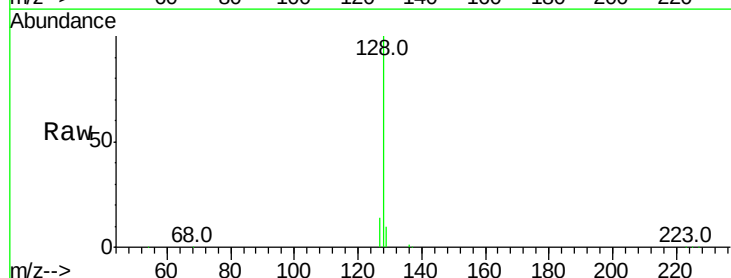
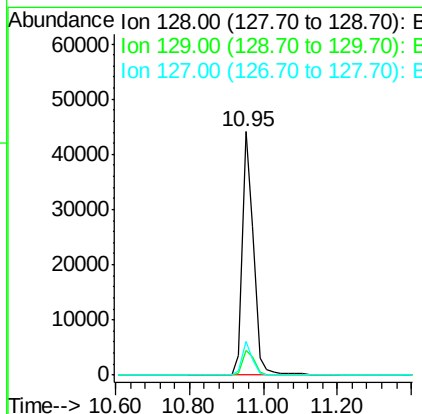
RT: 10.95 min Scan# 708

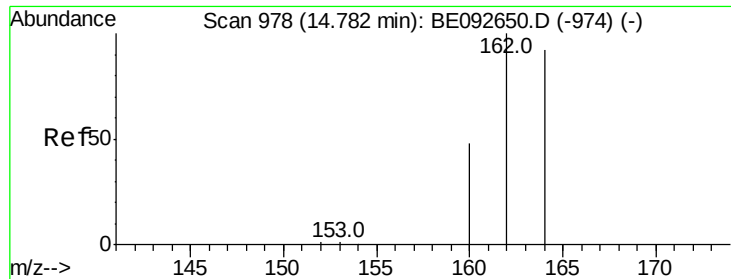
Delta R.T. -0.02 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Tgt Ion:	128	Resp:	92676
Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.1	11.6	17.4





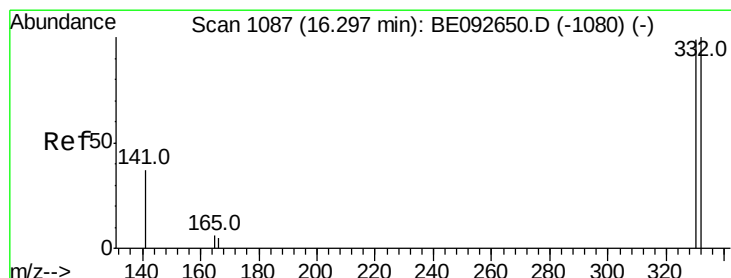
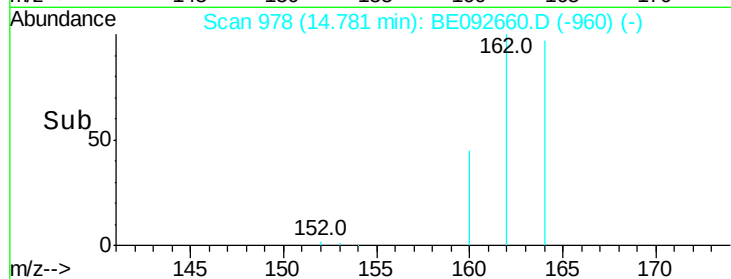
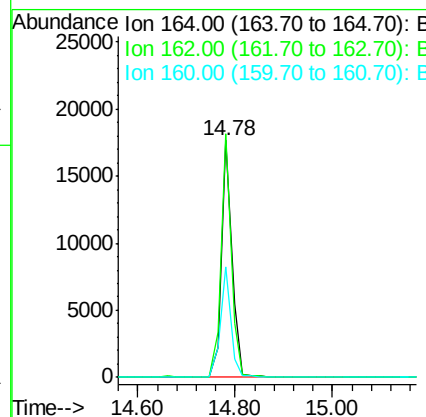
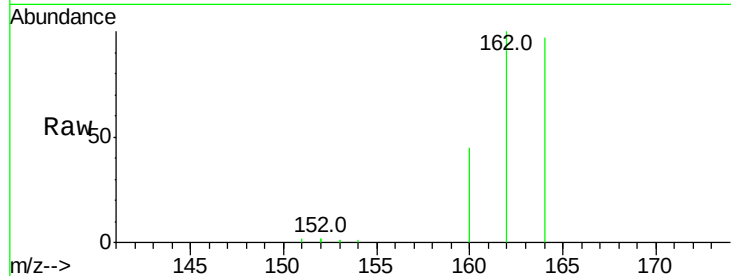
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Instrument :
BNA_E
ClientSampleId :
0050

Tot Ion:164 Resp: 26185
Ion Ratio Lower Upper
164 100
162 102.8 71.4 107.0
160 46.5 27.4 41.2#

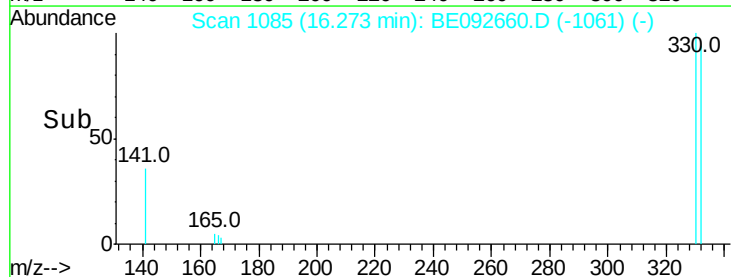
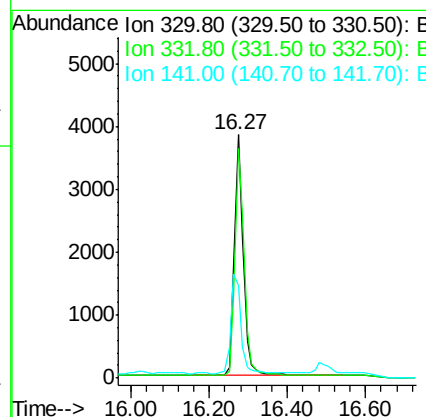
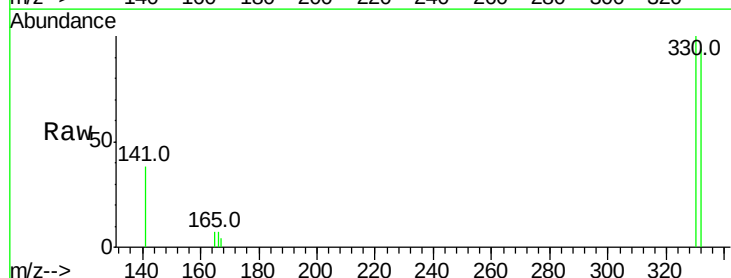
Manual Integrations
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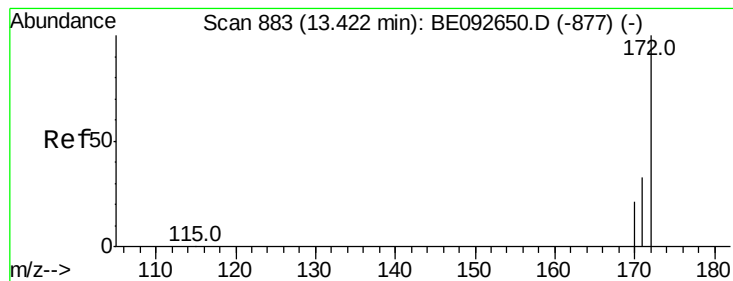
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#13
2,4,6-Tribromophenol
Concen: 8.01 ng
RT: 16.27 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Tgt Ion:330 Resp: 6191
Ion Ratio Lower Upper
330 100
332 97.4 75.4 113.0
141 46.8 31.0 46.6#





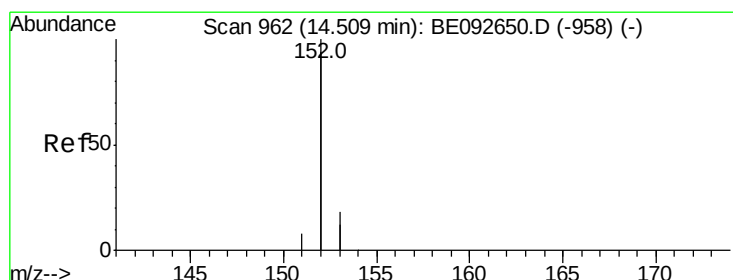
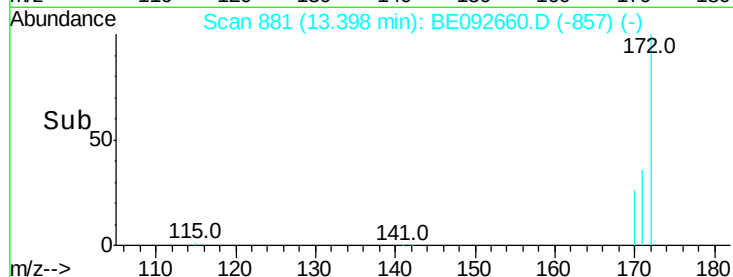
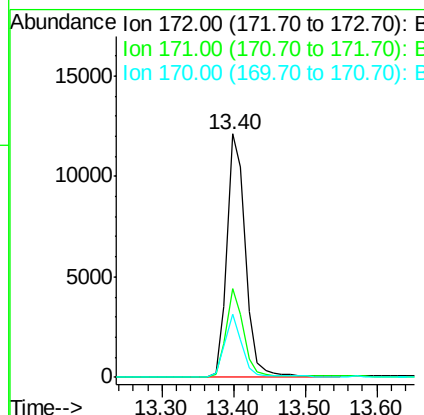
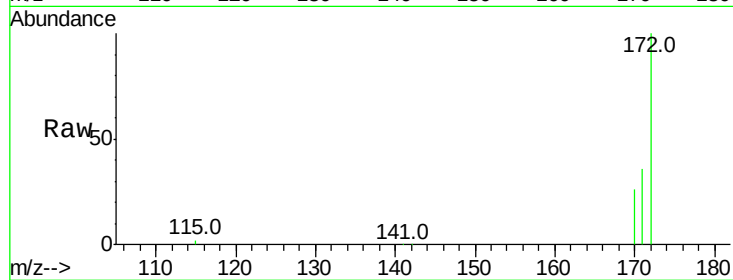
#14
2-Fluorobiphenyl
Concen: 3.33 ng
RT: 13.40 min Scan# 881
Delta R.T. -0.02 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Instrument :
BNA_E
ClientSampleId :
0050

Tot Ion:172 Resp: 21422
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 25.8 21.8 32.6

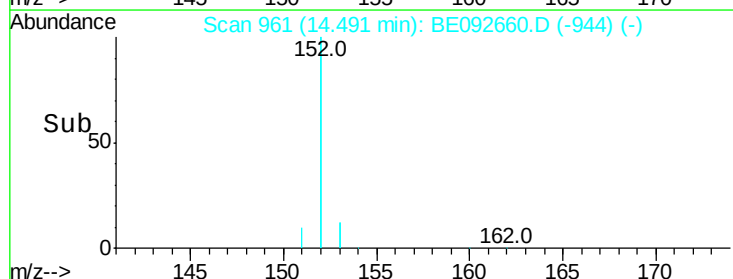
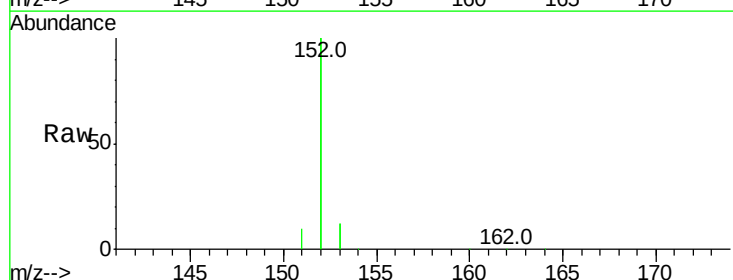
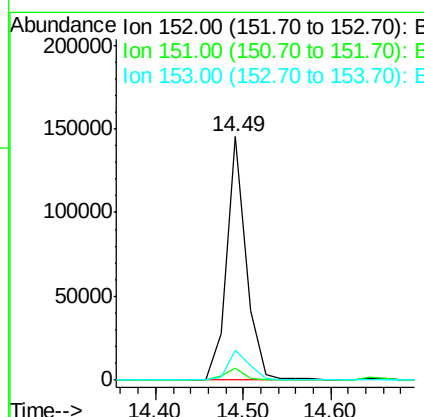
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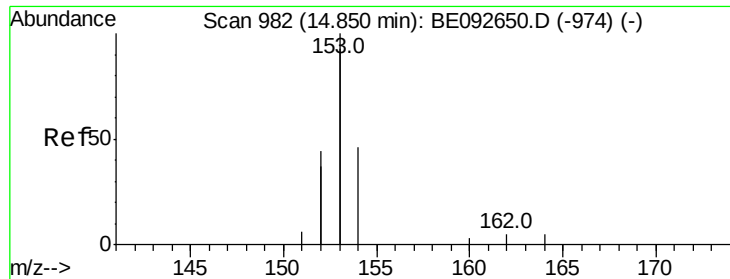
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#15
Acenaphthylene
Concen: 6.23 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Tgt Ion:152 Resp: 224694
Ion Ratio Lower Upper
152 100
151 5.0 3.9 5.9
153 13.1 10.4 15.6





#16

Acenaphthene

Concen: 9.01 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Instrument :

BNA_E

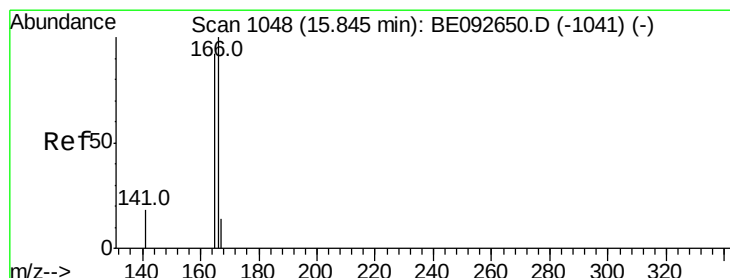
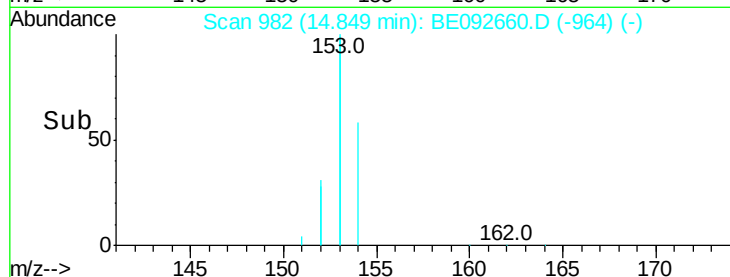
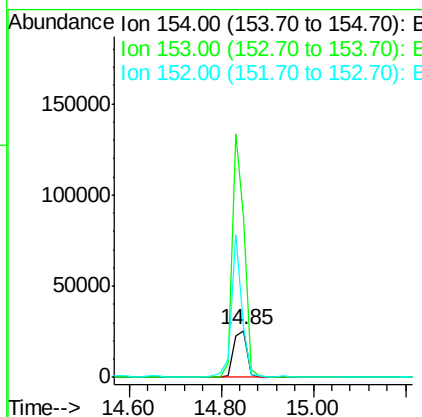
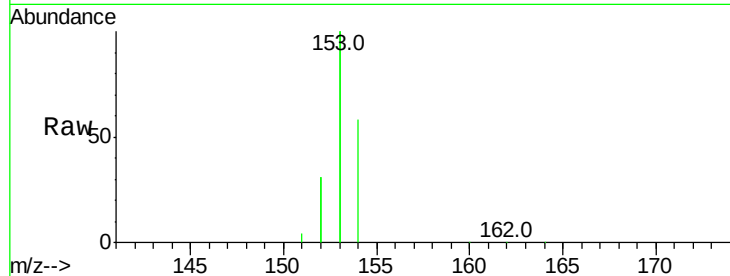
ClientSampleId :

0050

Tot Ion	Ratio	Lower	Upper
154	100		
153	460.0	350.8	526.2
152	231.4	171.1	256.7

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#17

Fluorene

Concen: 7.56 ng

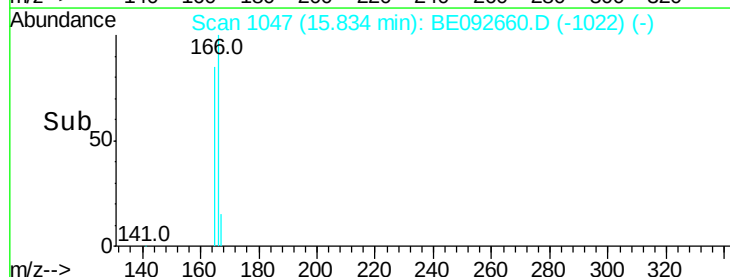
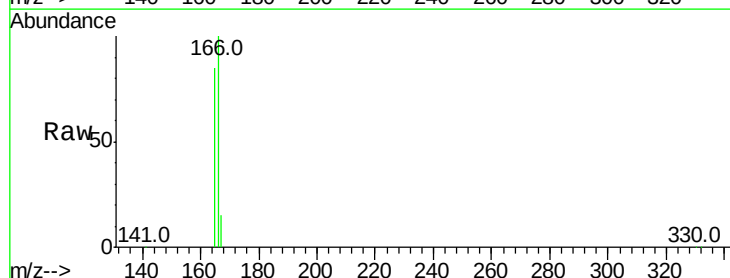
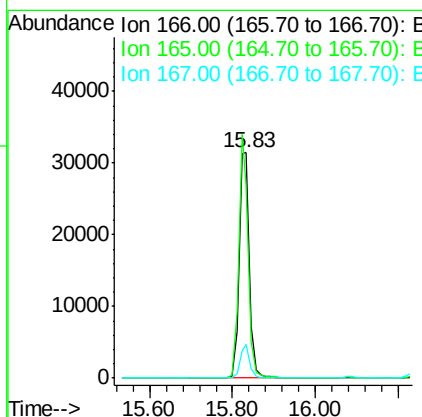
RT: 15.83 min Scan# 1047

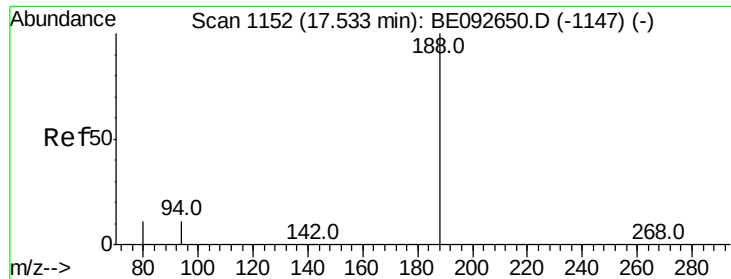
Delta R.T. -0.01 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.4
167	13.5	11.0	16.4





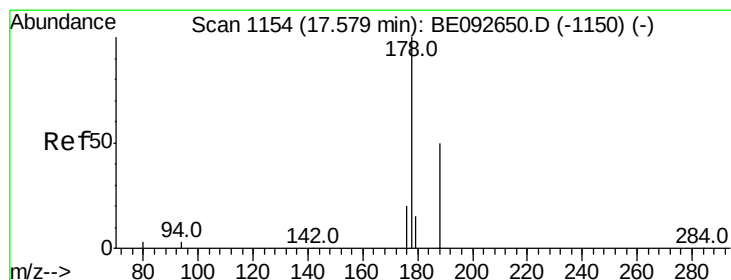
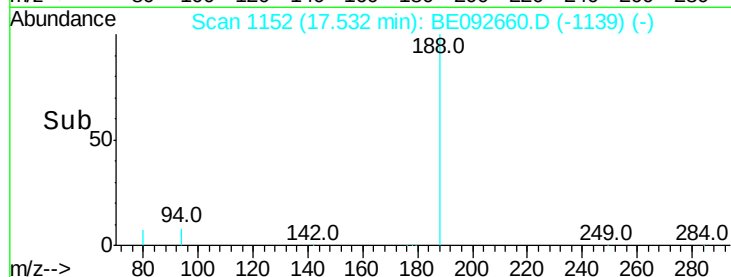
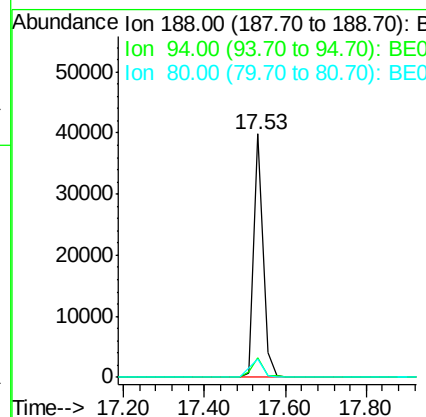
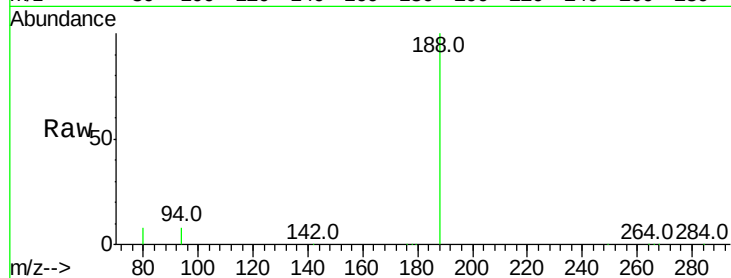
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Instrument :
BNA_E
ClientSampleId :
0050

Tot Ion	Ratio	Resp	Lower	Upper
188	100	62221		
94	8.3	3.2	4.8#	
80	7.6	2.6	3.8#	

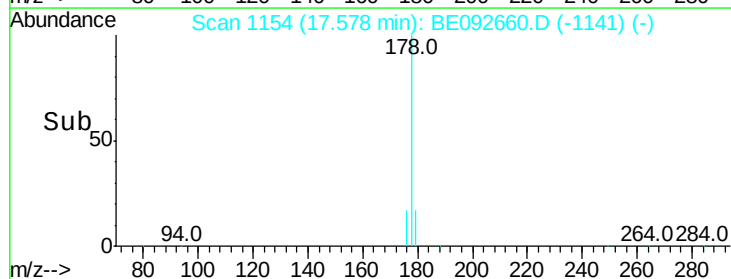
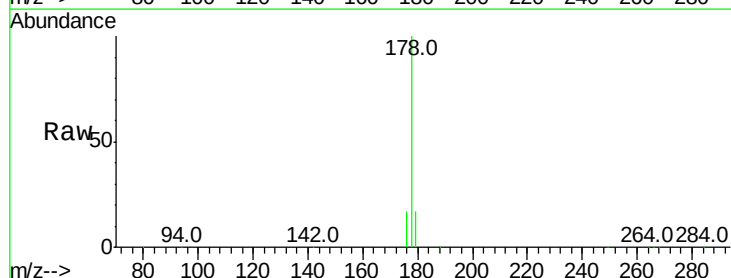
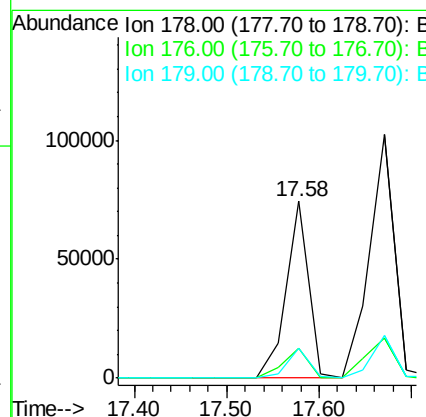
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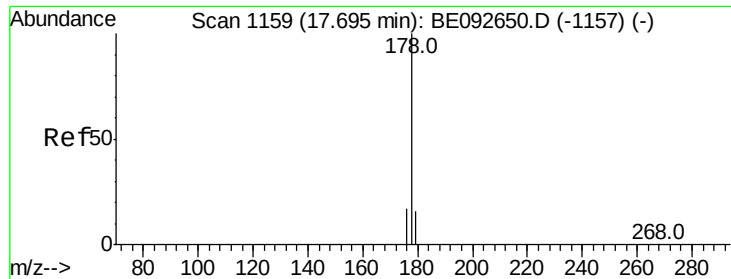
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#21
Phenanthrene
Concen: 9.18 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	126059		
176	18.6	15.8	23.8	
179	16.3	16.0	24.0	





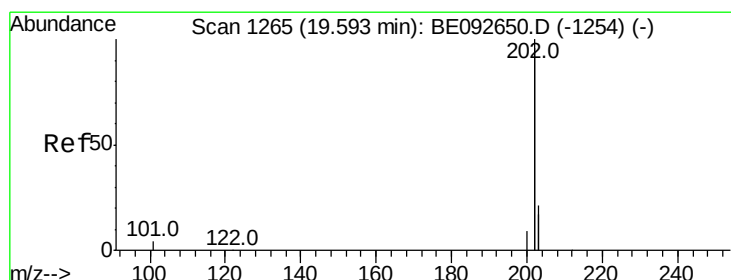
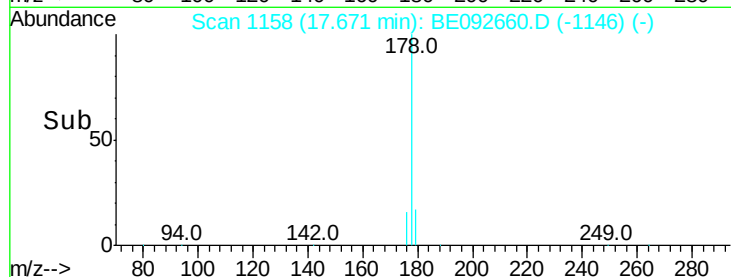
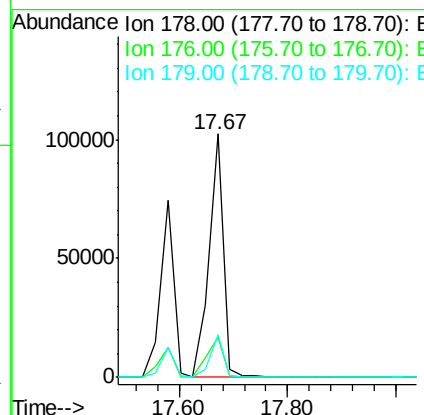
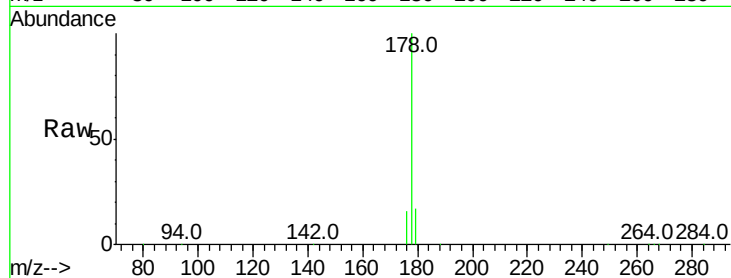
#22
 Anthracene
 Concen: 15.02 ng
 RT: 17.67 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Instrument :
 BNA_E
 ClientSampleId :
 0050

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.0	12.2	18.2

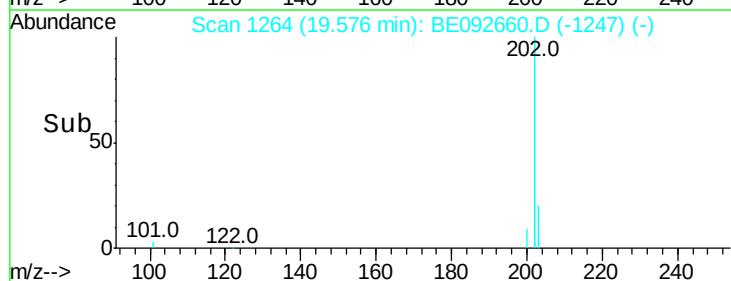
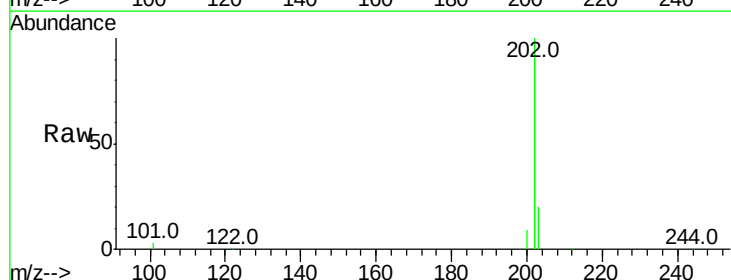
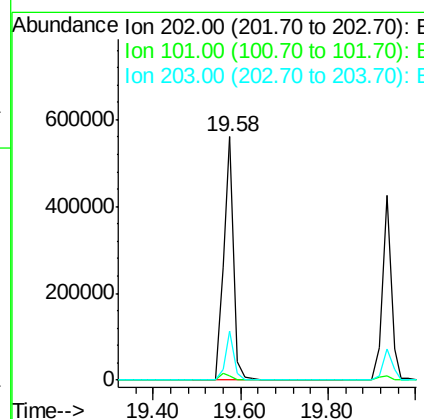
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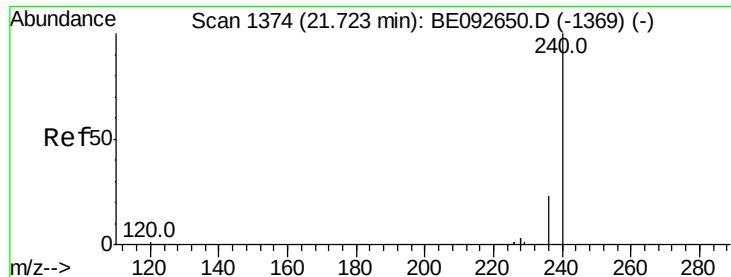
mohammad
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#23
 Fluoranthene
 Concen: 14.79 ng
 RT: 19.58 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.6	13.7	20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Instrument :

BNA_E

ClientSampleId :

0050

Tot Ion:240 Resp: 67630

Ion Ratio Lower Upper

240 100

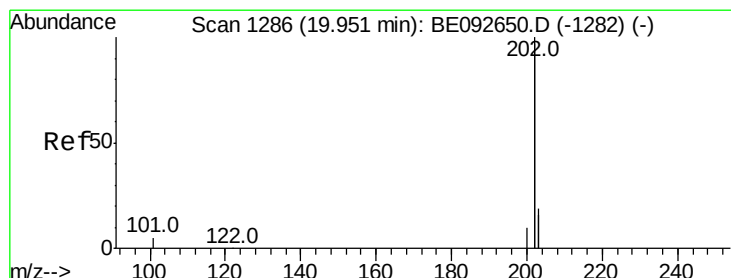
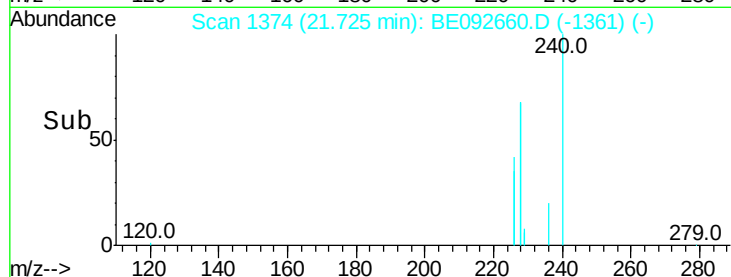
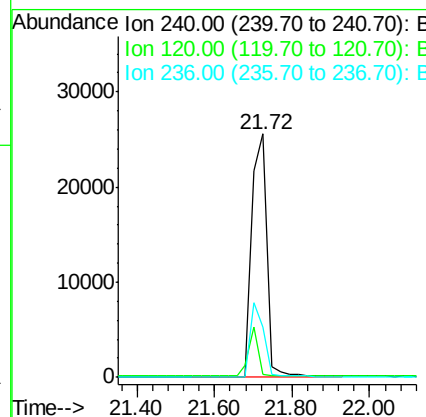
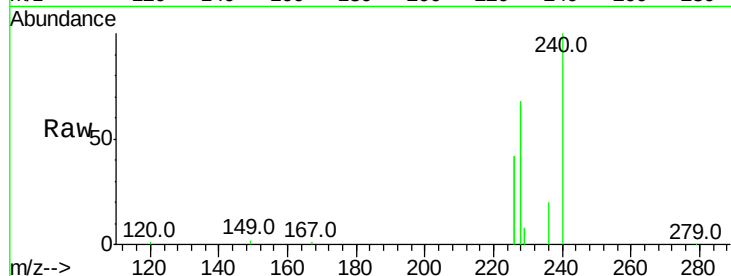
120 1.3 2.6 4.0#

236 20.4 24.6 37.0#

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#25

Pyrene

Concen: 8.97 ng

RT: 19.93 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

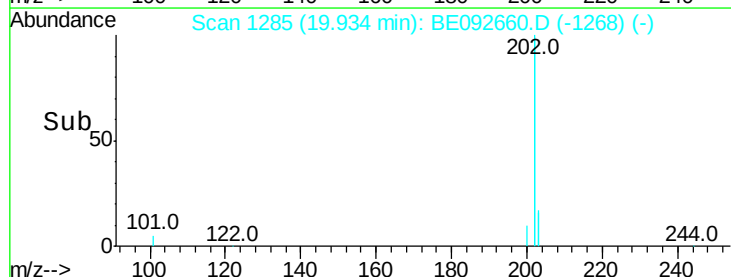
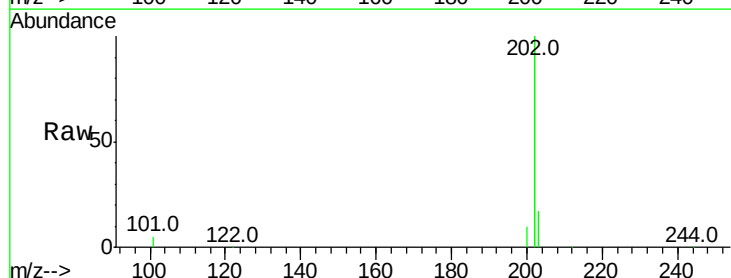
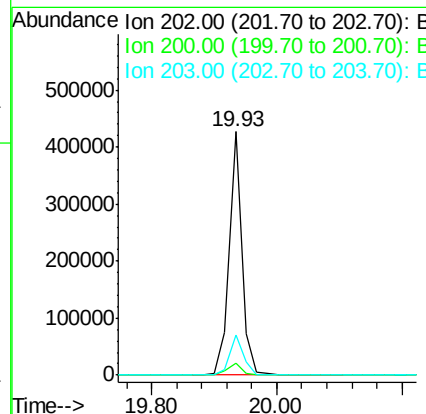
Tgt Ion:202 Resp: 597743

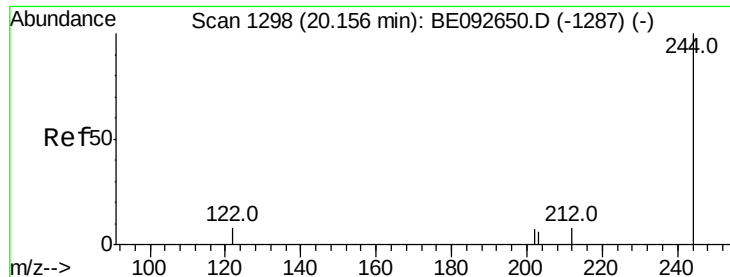
Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

203 18.3 13.9 20.9





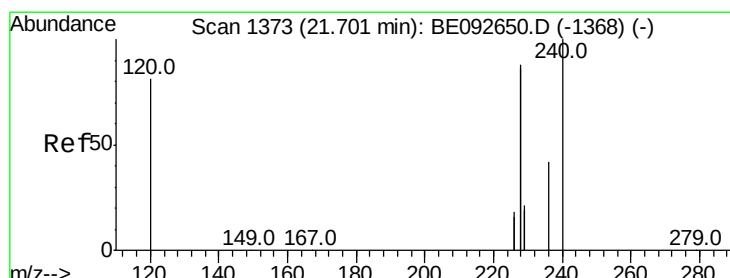
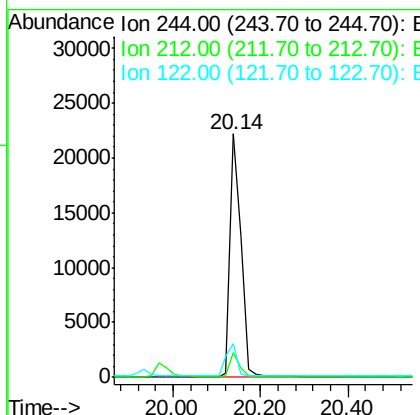
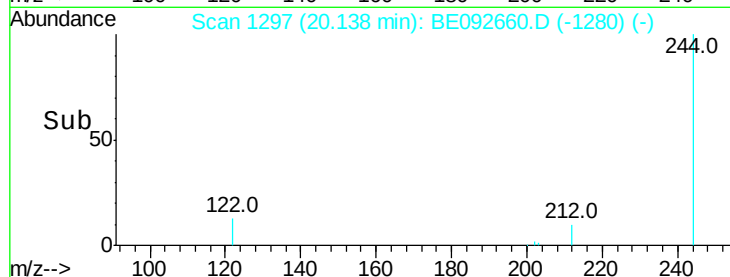
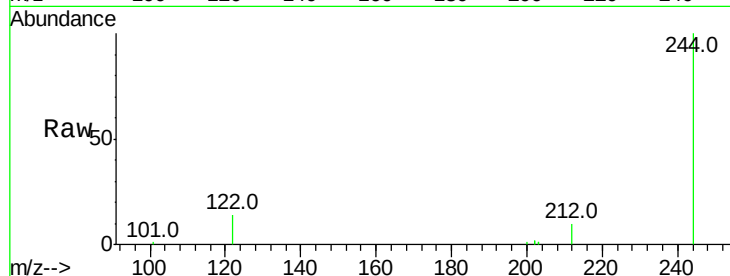
#26
 Terphenyl-d14
 Concen: 3.94 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Instrument :
 BNA_E
 ClientSampleId :
 0050

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.0	6.7	10.1
122	13.6	3.6	5.4#

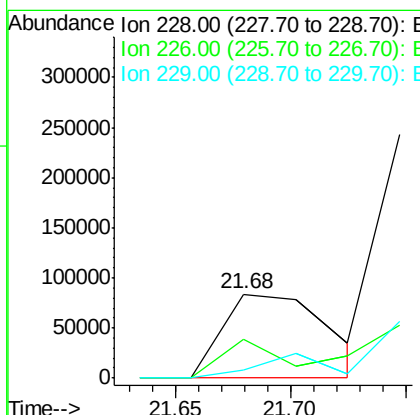
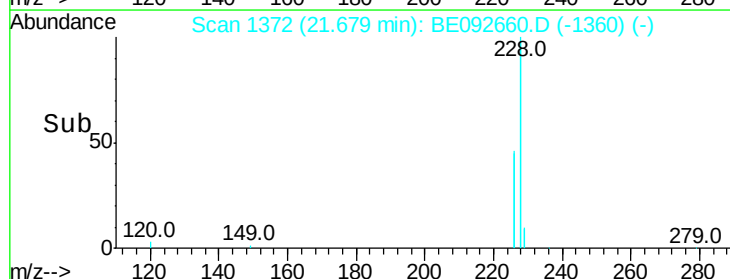
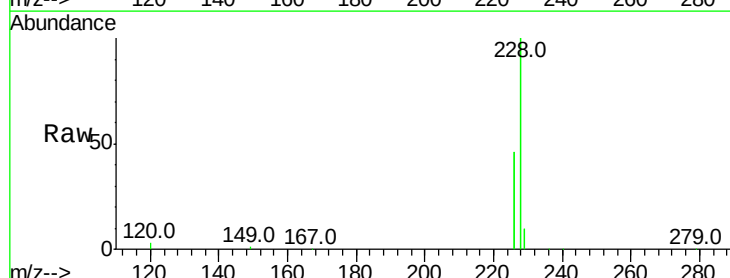
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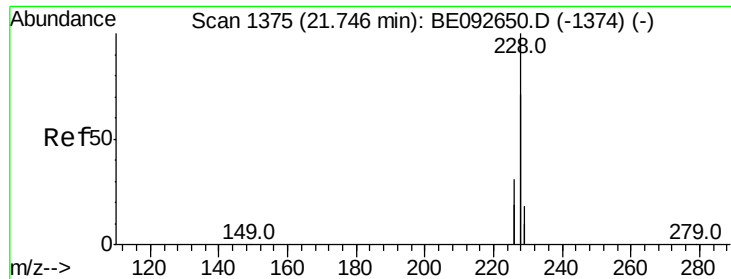
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#27
 Benzo(a)anthracene
 Concen: 4.02 ng m
 RT: 21.68 min Scan# 1372
 Delta R.T. -0.02 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	46.2	23.6	35.4#
229	10.2	13.3	19.9#





#28

Chrysene

Concen: 4.77 ng/mL

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

Instrument :

BNA_E

ClientSampleId :

0050

Tot Ion: 228 Resp: 357333

Ion Ratio Lower Upper

228 100

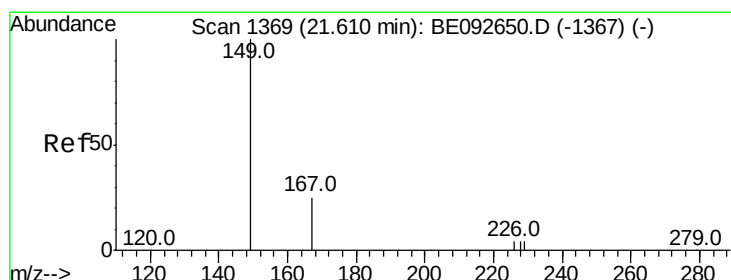
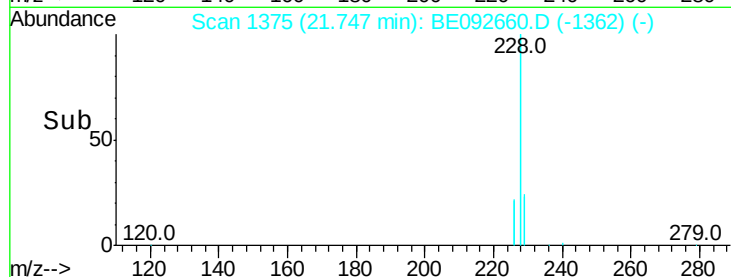
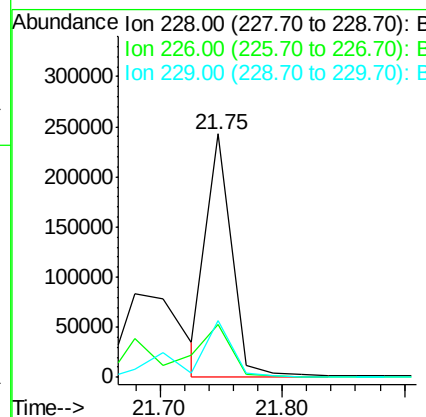
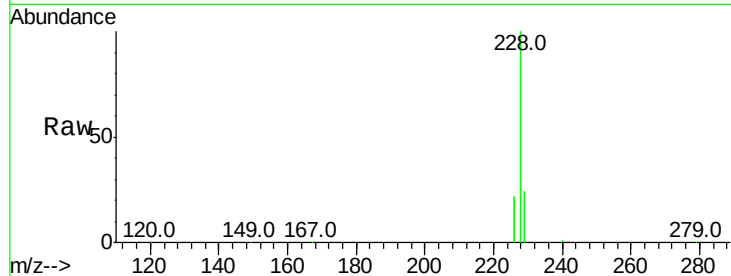
226 21.9 36.3 54.5#

229 23.5 10.6 16.0#

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#29

Bis(2-ethylhexyl)phthalate

Concen: 1.11 ng/mL

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092660.D

Acq: 19 Jan 2017 16:52

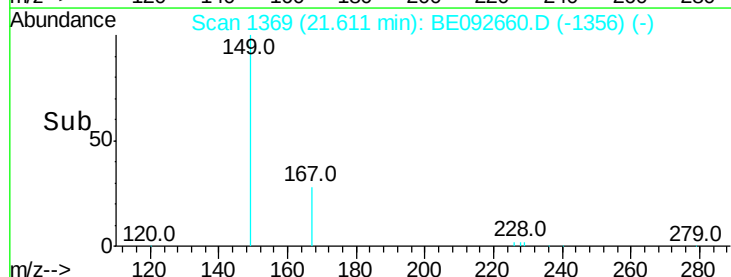
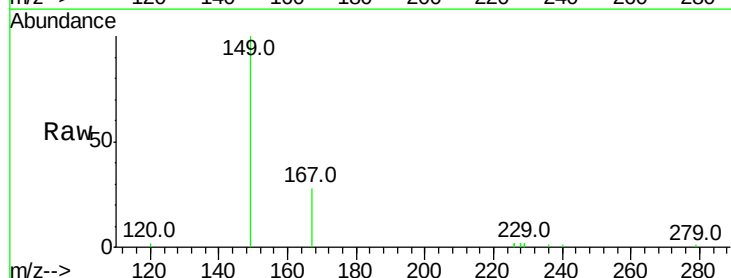
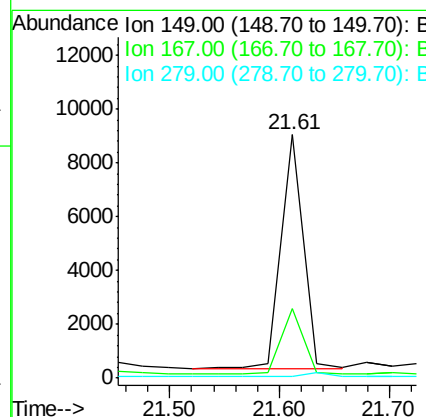
Tgt Ion: 149 Resp: 12395

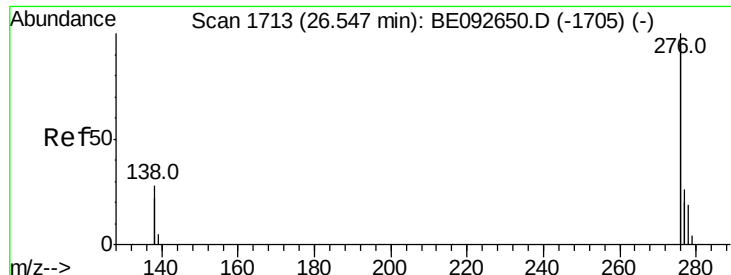
Ion Ratio Lower Upper

149 100

167 27.3 16.0 24.0#

279 0.0 16.0 24.0#





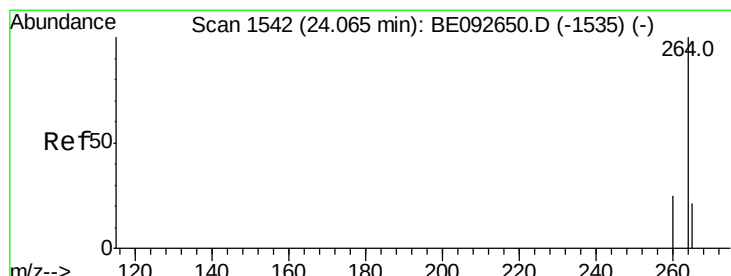
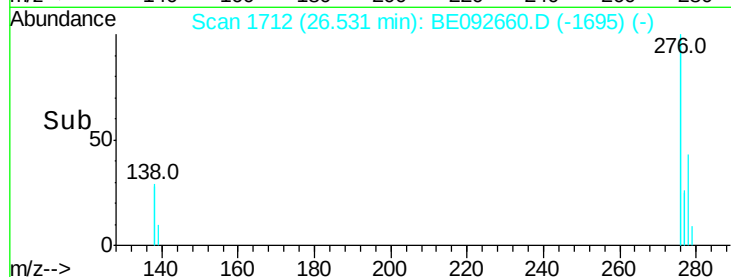
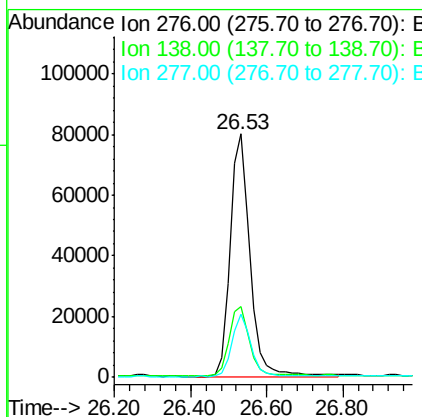
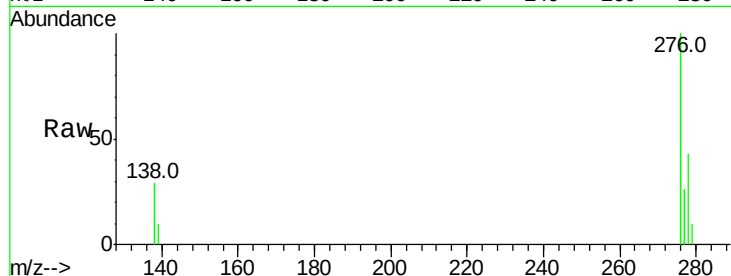
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 3.61 ng
 RT: 26.53 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Instrument :
 BNA_E
 ClientSampled :
 0050

Tot Ion	Ratio	Resp	Lower	Upper
276	100	292052		
138	29.5	20.3	30.5	
277	25.0	19.7	29.5	

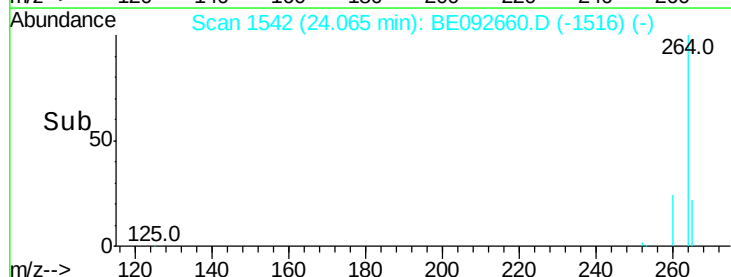
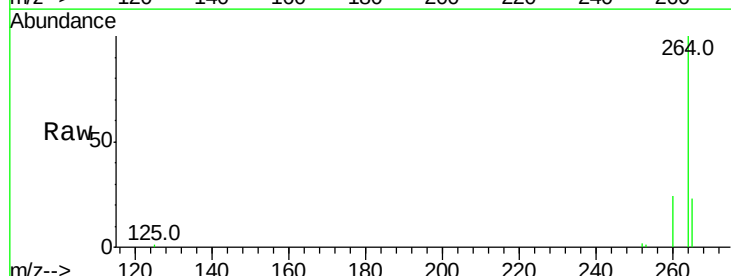
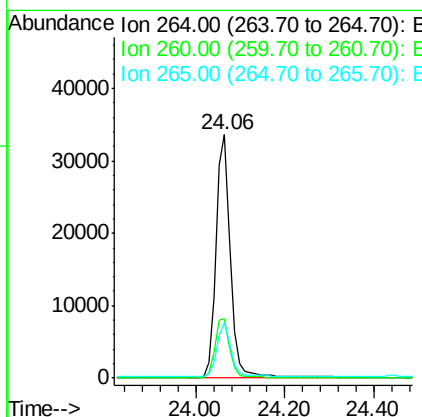
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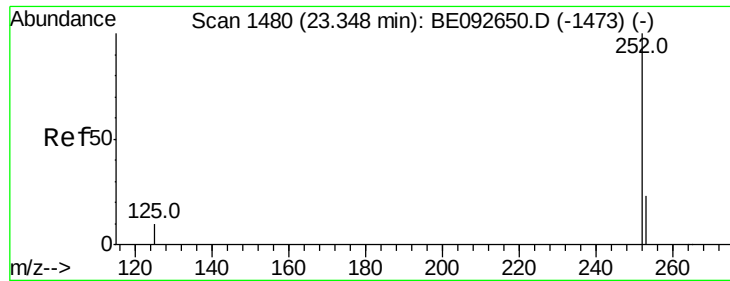
mohammad
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#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.06 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	75514		
260	24.4	20.1	30.1	
265	22.5	17.9	26.9	





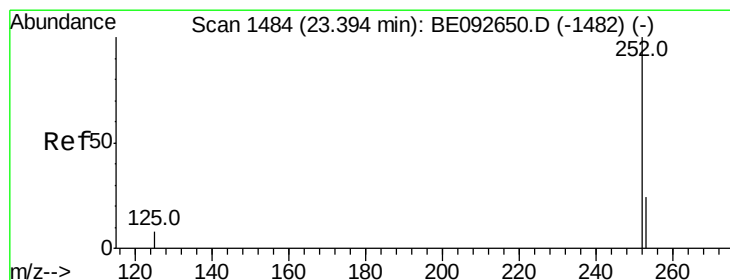
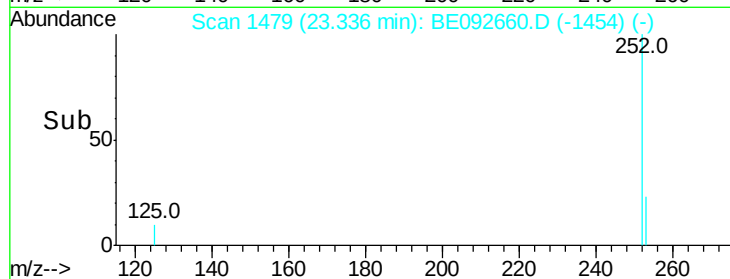
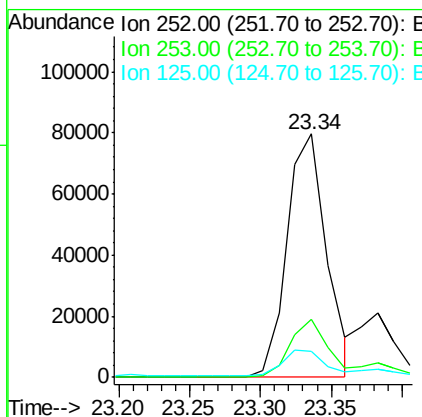
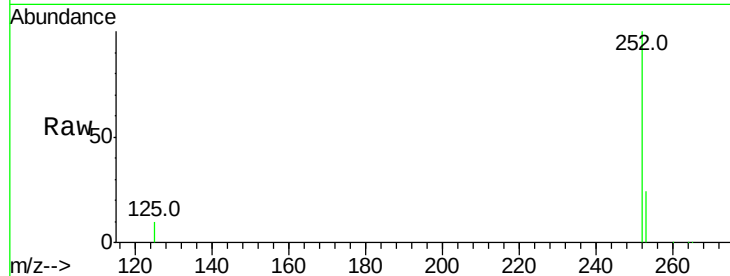
#32
Benzo(b)fluoranthene
Concen: 8.45 ng m
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Instrument :
BNA_E
ClientSampled :
0050

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	10.4	10.5	15.7

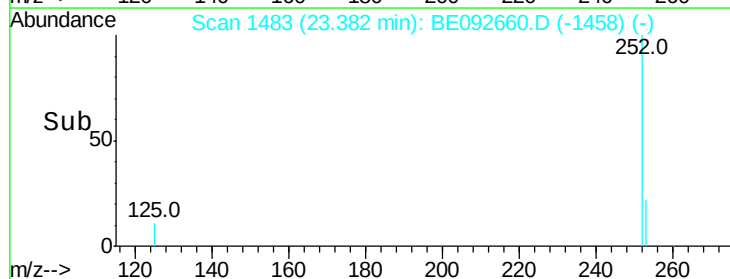
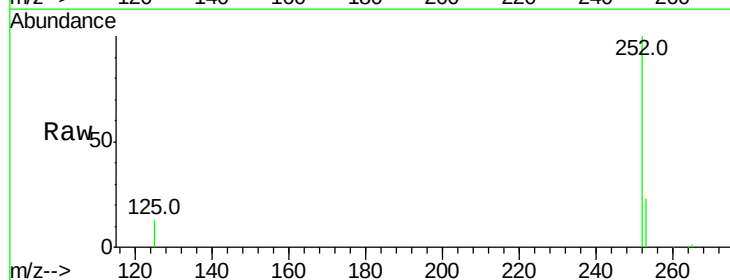
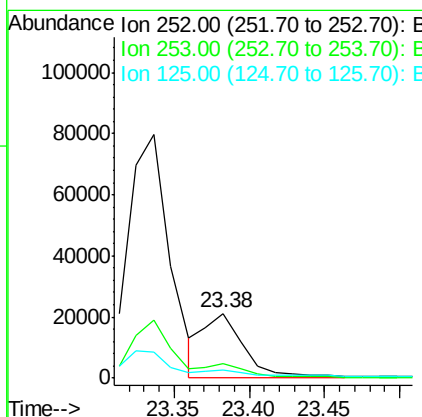
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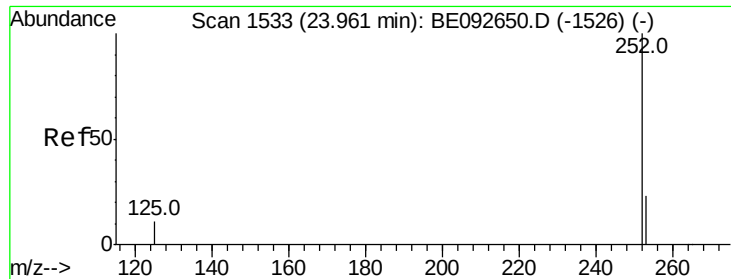
mohammad
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#33
Benzo(k)fluoranthene
Concen: 2.23 ng m
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	12.5	9.6	14.4





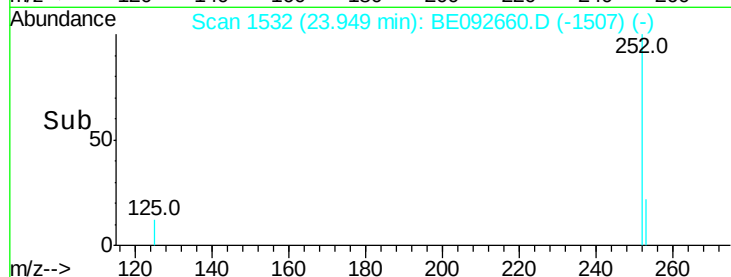
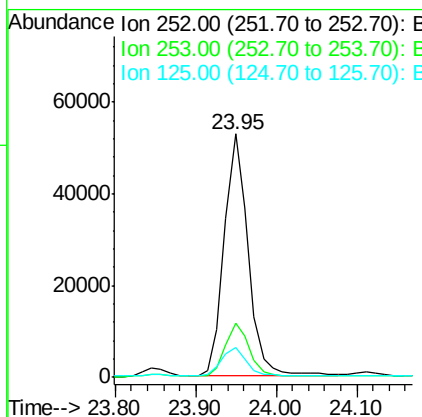
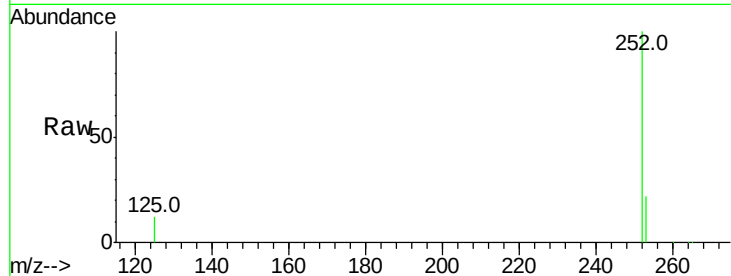
#34
Benzo(a)pyrene
Concen: 6.41 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Instrument :
BNA_E
ClientSampleId :
0050

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	12.3	11.8	17.8

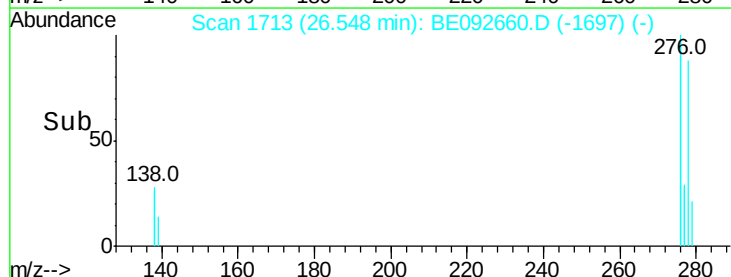
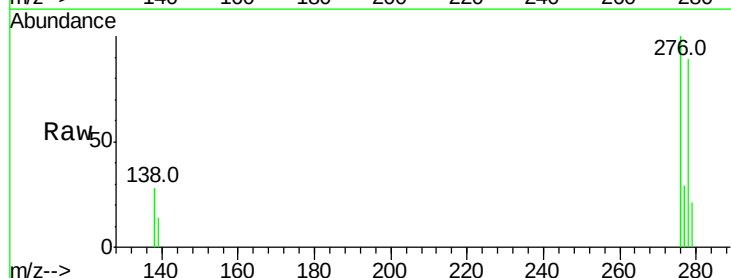
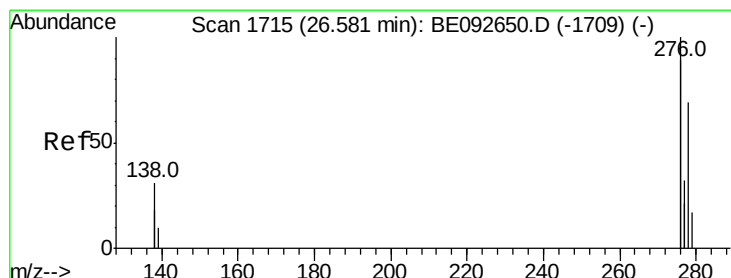
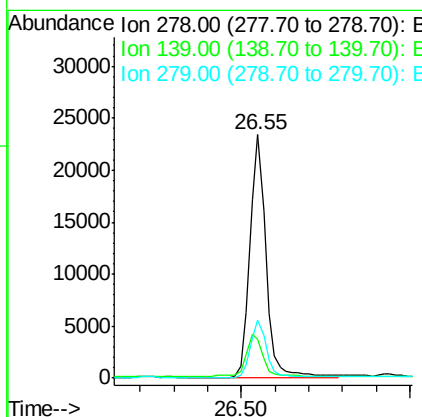
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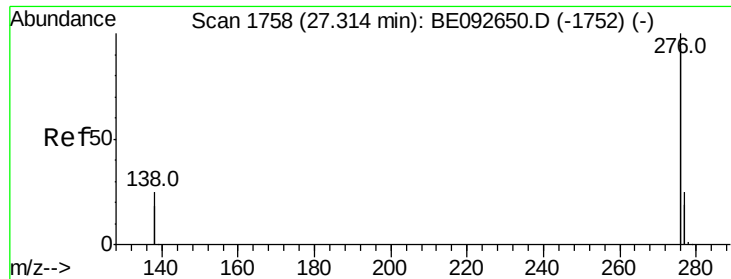
mohammad
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#35
Dibenzo(a,h)anthracene
Concen: 4.65 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092660.D
Acq: 19 Jan 2017 16:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.8	20.8
279	23.9	21.4	32.2





#36
 Benzo(a,h,i)perylene
 Concen: 9.23 ng
 RT: 27.28 min Scan# 1756
 Delta R.T. -0.03 min
 Lab File: BE092660.D
 Acq: 19 Jan 2017 16:52

Instrument :
 BNA_E
 ClientSampleId :
 0050

Tot Ion	Ratio	Resp	Lower	Upper
276	100	654760		
277	22.6		19.8	29.8
138	25.1		19.8	29.6

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