

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022017\
 Data File : BE092750.D
 Acq On : 20 Feb 2017 16:36
 Operator : SJ/MA
 Sample : I1899-02 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS218(0-6)-170216

Manual Integrations
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Quant Time: Feb 21 10:24:11 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 17:05:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	11540	5.00	ng	-0.02
7) Naphthalene-d8	10.89	136	54435	5.00	ng	0.00
12) Acenaphthene-d10	14.76	164	32571	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	71689	5.00	ng	0.00
24) Chrysene-d12	21.68	240	66315	5.00	ng	-0.02
31) Perylene-d12	24.02	264	73895	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.61	112	4596	2.05	ng	-0.02
5) Phenol-d6	7.29	99	5767	2.09	ng	-0.02
8) Nitrobenzene-d5	9.29	82	2836	0.84	ng	-0.02
13) 2,4,6-Tribromophenol	16.25	330	1335	1.93	ng	-0.03
14) 2-Fluorobiphenyl	13.38	172	6544	0.82	ng	-0.02
26) Terphenyl-d14	20.12	244	7404	0.87	ng	-0.02
Target Compounds						Qvalue
15) Acenaphthylene	14.47	152	17239	0.35	ng	100
16) Acenaphthene	14.82	154	1389	0.19	ng	90
17) Fluorene	15.81	166	1052	0.11	ng	# 97
21) Phenanthrene	17.56	178	32403	1.90	ng	95
22) Anthracene	17.65	178	8729m	0.56	ng	
23) Fluoranthene	19.54	202	688815	9.43	ng	99
25) Pyrene	19.92	202	574099	9.09	ng	# 93
27) Benzo(a)anthracene	21.66	228	371074m	5.77	ng	
28) Chrysene	21.72	228	270293m	3.54	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	45396	5.11	ng	# 72
30) Indeno(1,2,3-cd)pyrene	26.46	276	240563	3.05	ng	97
32) Benzo(b)fluoranthene	23.30	252	133286m	6.85	ng	
33) Benzo(k)fluoranthene	23.35	252	37633m	1.82	ng	
34) Benzo(a)pyrene	23.91	252	79176	4.17	ng	96
35) Dibenzo(a,h)anthracene	26.48	278	13591	0.73	ng	# 94
36) Benzo(g,h,i)perylene	27.23	276	232018	3.00	ng	97

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

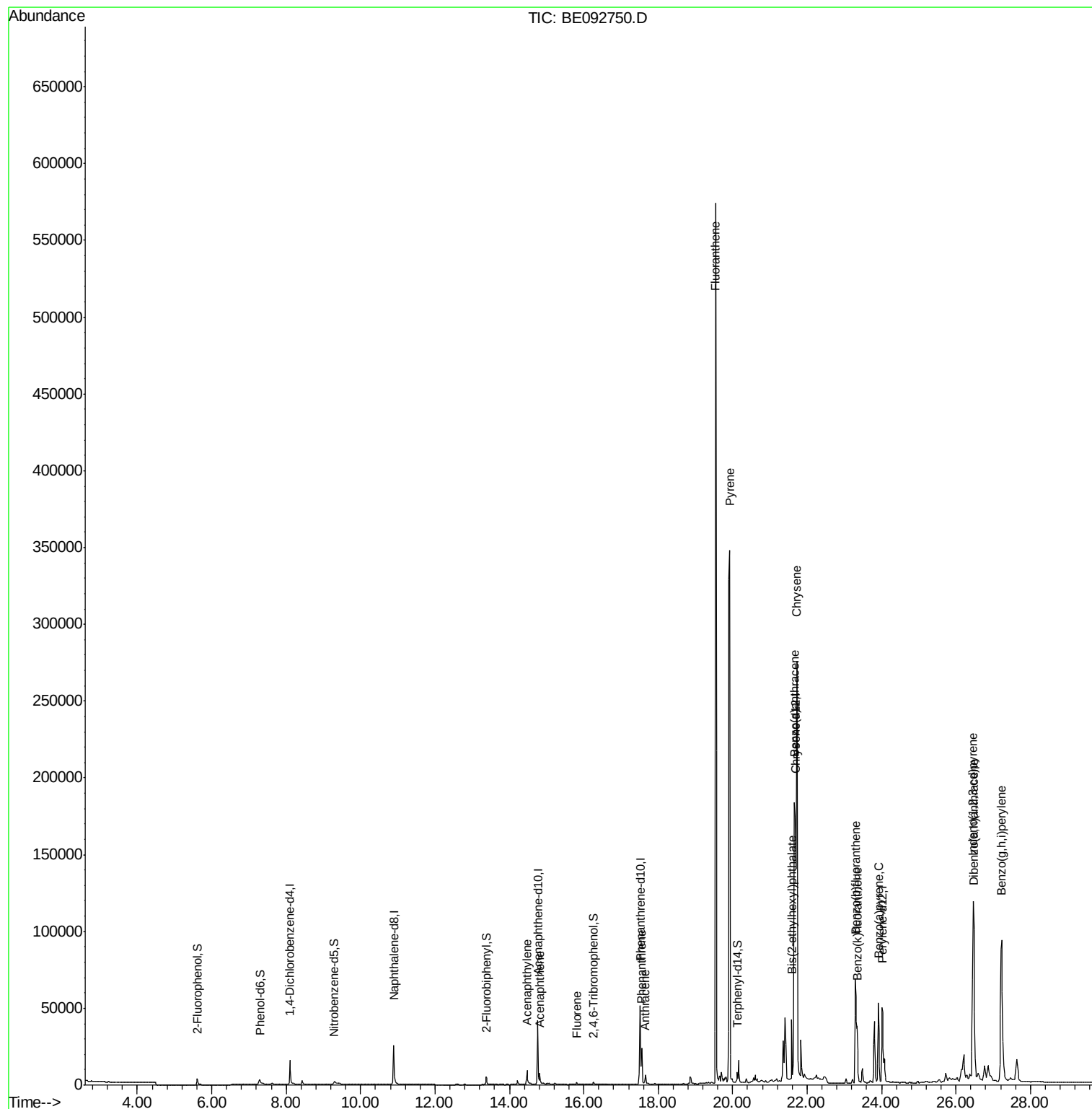
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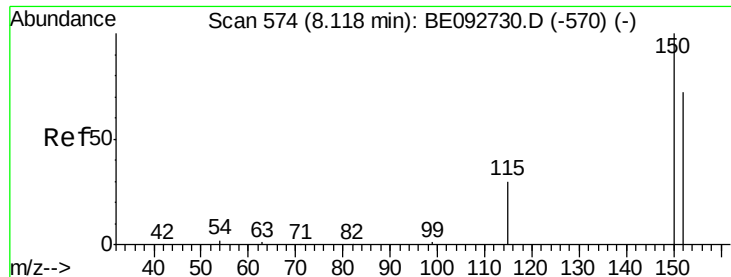
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Instrument :

BNA_E

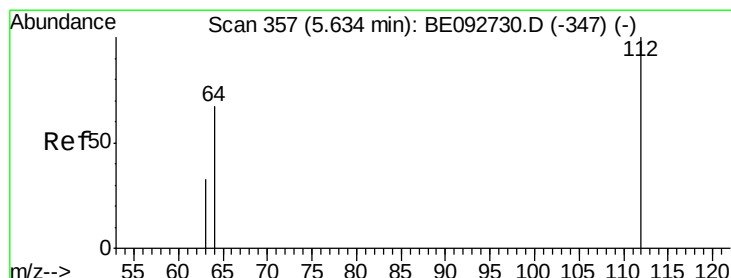
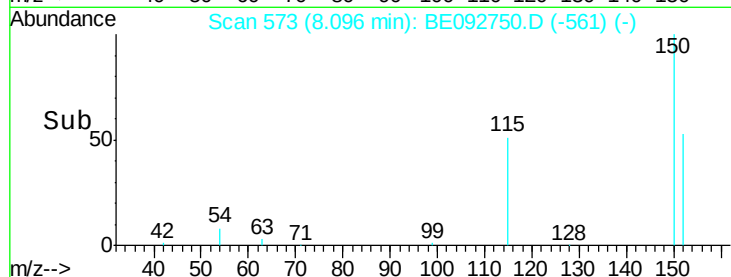
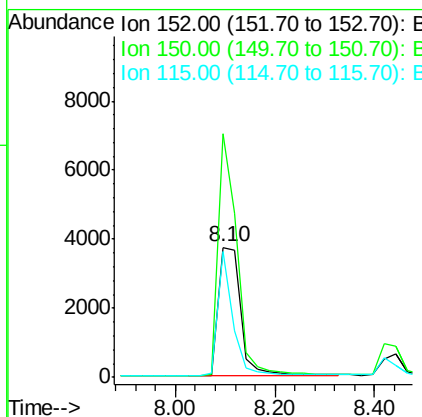
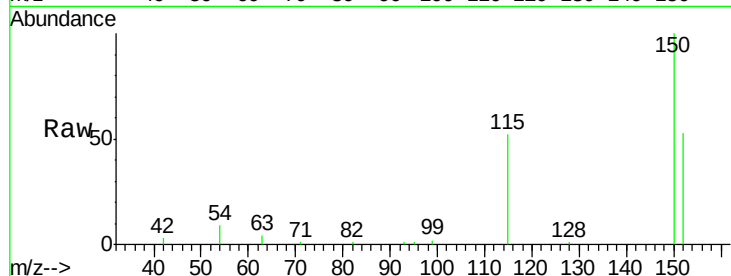
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	187.0	106.0	159.0#
115	96.7	31.2	46.8#

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#4

2-Fluorophenol

Concen: 2.05 ng

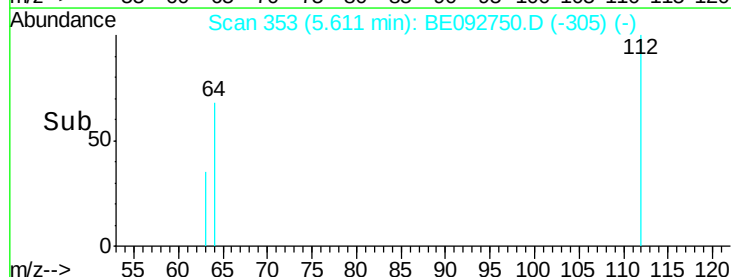
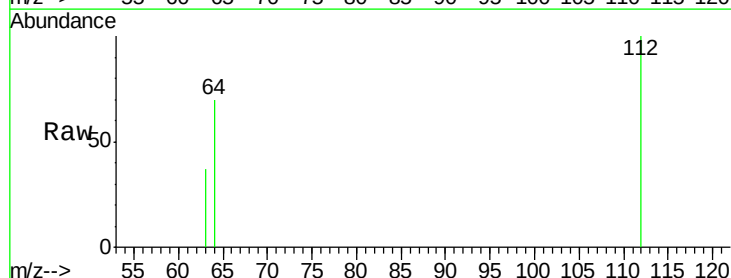
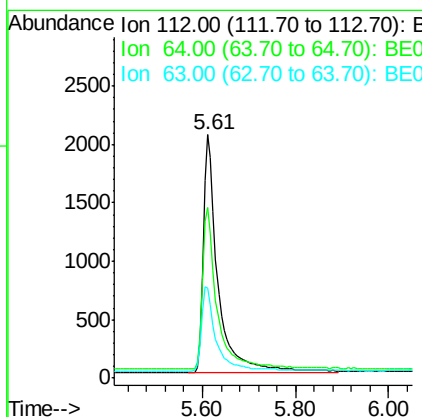
RT: 5.61 min Scan# 353

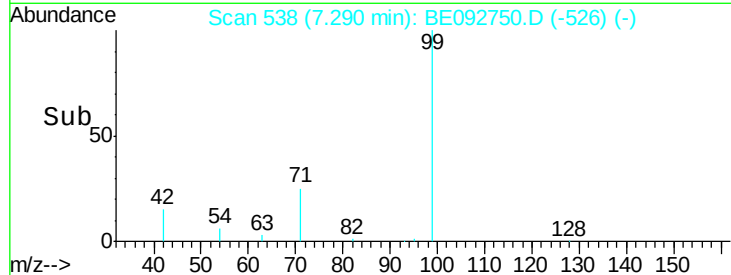
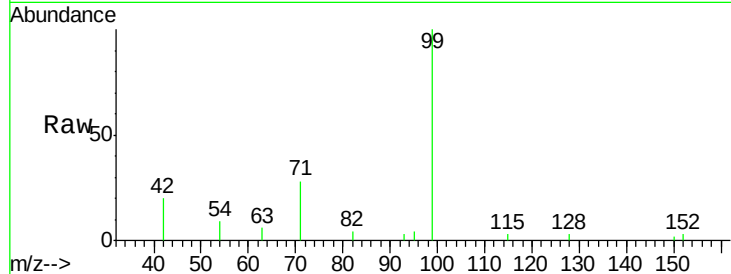
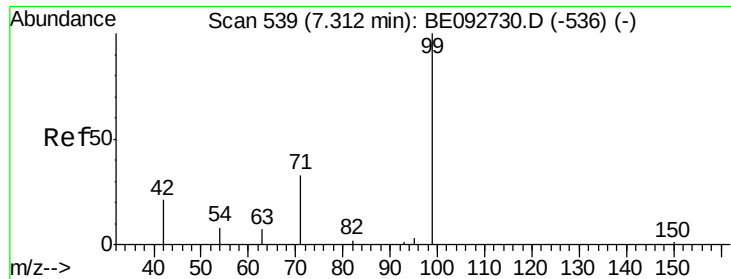
Delta R.T. -0.02 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.5	80.3
63	36.2	27.9	41.9





#5

Phenol-d6

Concen: 2.09 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

Instrument :

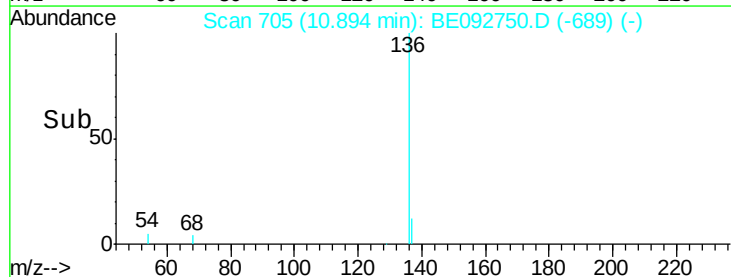
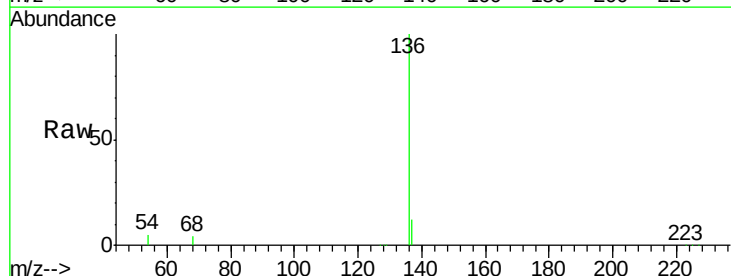
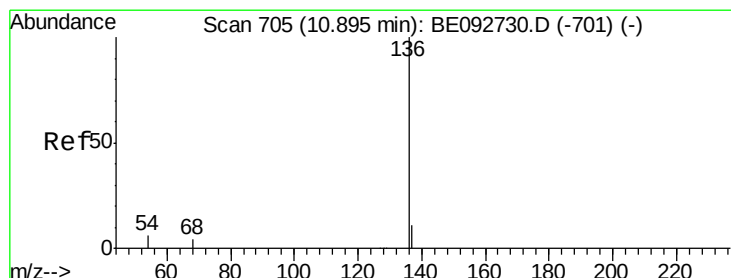
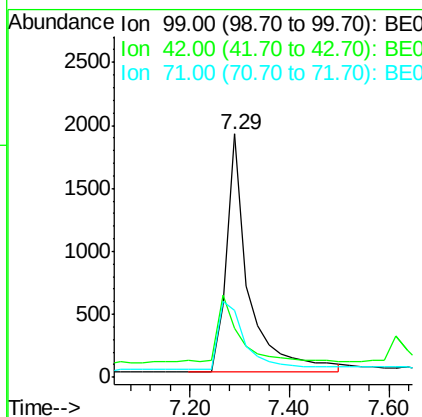
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#7

Naphthalene-d8

Concen: 5.00 ng

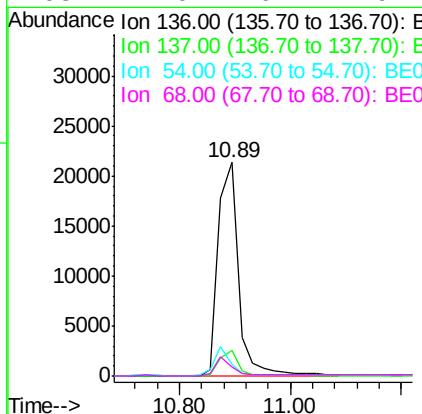
RT: 10.89 min Scan# 705

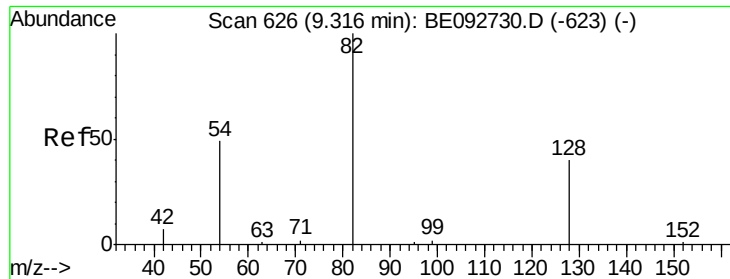
Delta R.T. -0.00 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	5.1	9.6	14.4#
68	4.0	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 0.84 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.02 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Instrument :

BNA_E

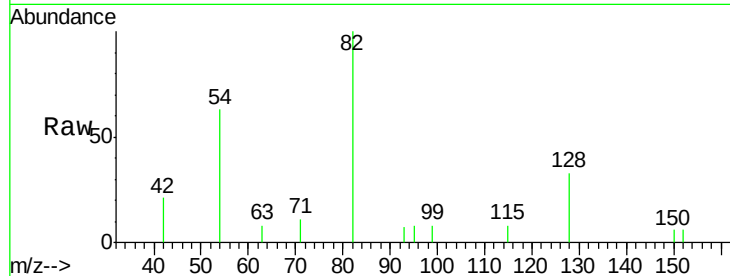
ClientSampleId :

SS050SS218(0-6)-170216

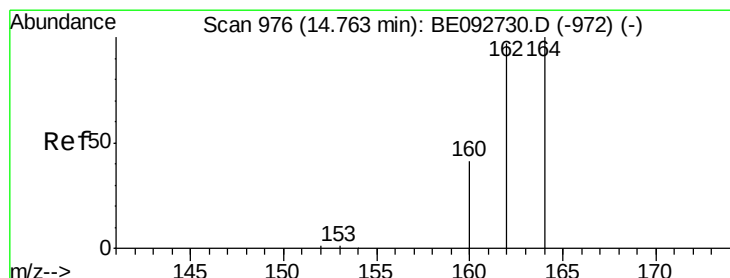
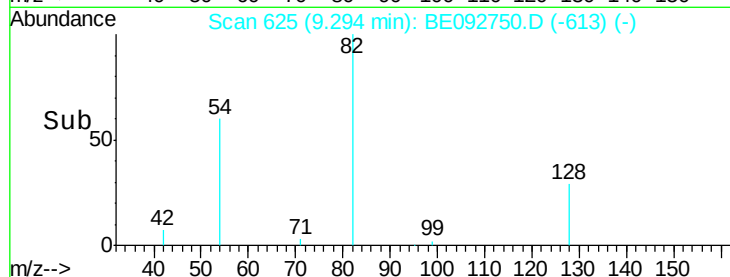
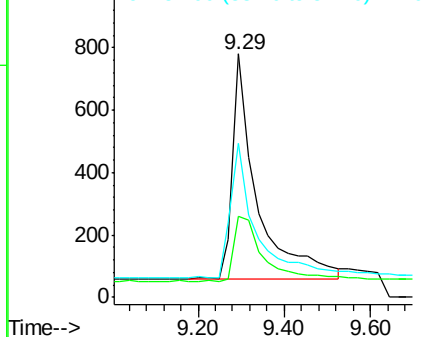
Tgt Ion:	82	Resp:	2836
Ion Ratio	Lower	Upper	
82	100		
128	33.2	39.0	58.4#
54	63.1	44.8	67.2

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#12

Acenaphthene-d10

Concen: 5.00 ng

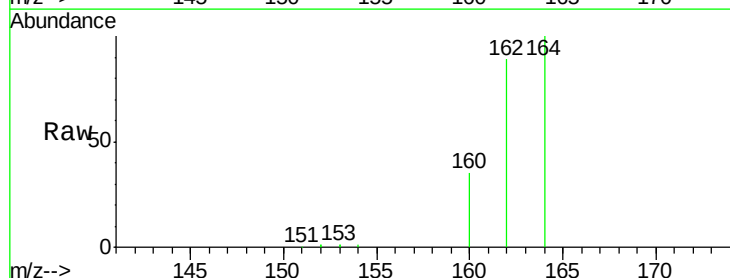
RT: 14.76 min Scan# 977

Delta R.T. 0.00 min

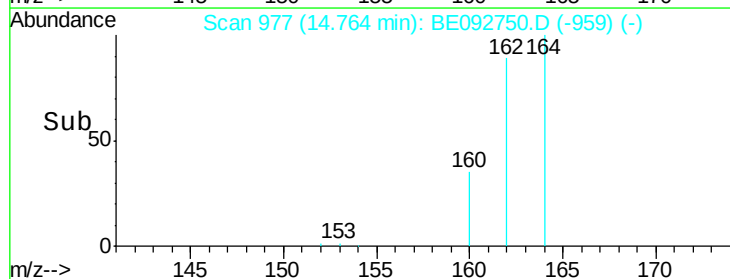
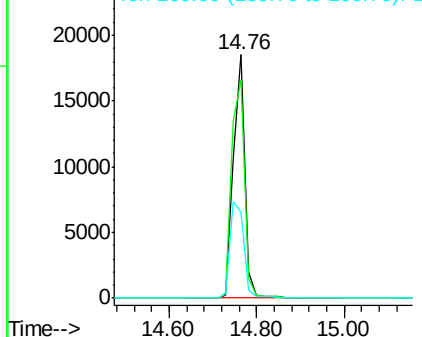
Lab File: BE092750.D

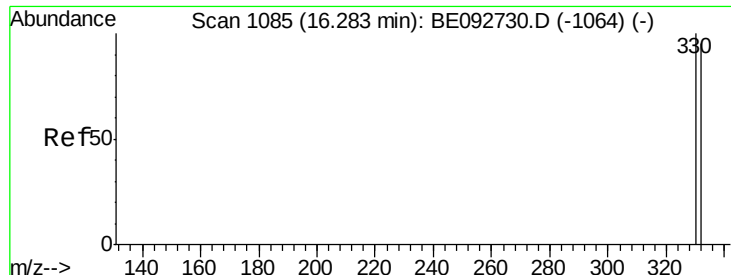
Acq: 20 Feb 2017 16:36

Tgt Ion:	164	Resp:	32571
Ion Ratio	Lower	Upper	
164	100		
162	89.3	71.4	107.0
160	35.3	27.4	41.2



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





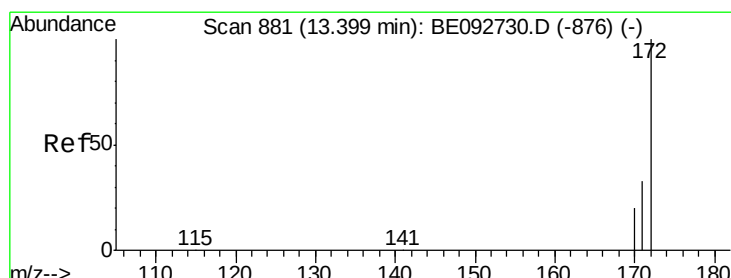
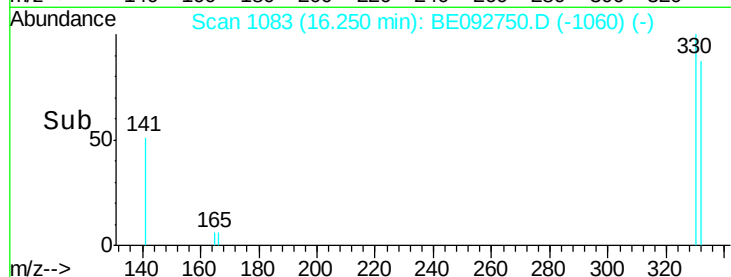
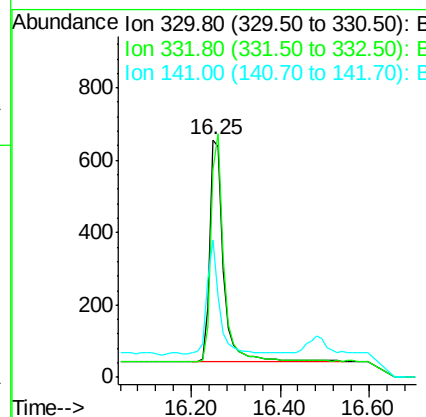
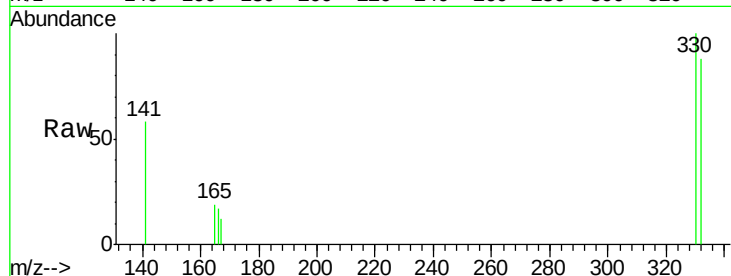
#13
 2,4,6-Tribromophenol
 Concen: 1.93 ng
 RT: 16.25 min Scan# 1083
 Delta R.T. -0.03 min
 Lab File: BE092750.D
 Acq: 20 Feb 2017 16:36

Instrument :
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 ClientSampleId :
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Tgt Ion: 330 Resp: 1335
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.4 113.0
 141 44.3 31.0 46.6

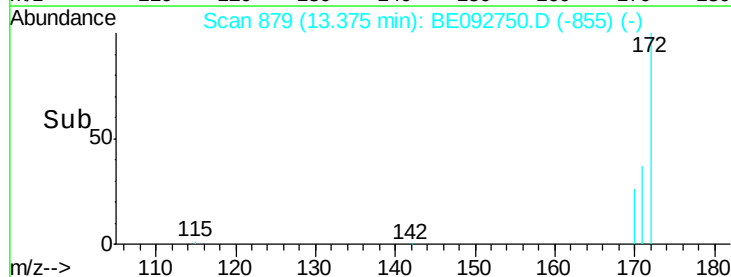
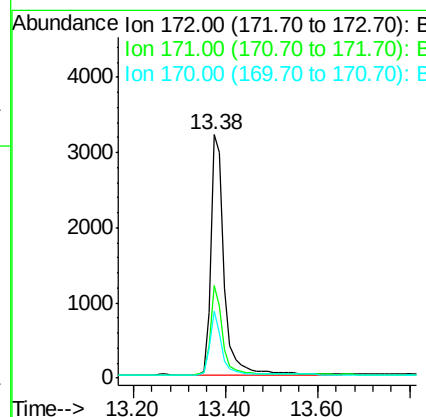
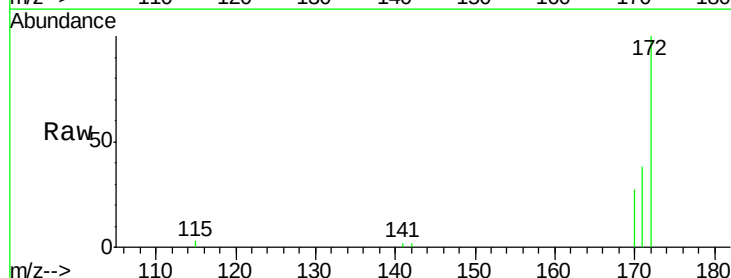
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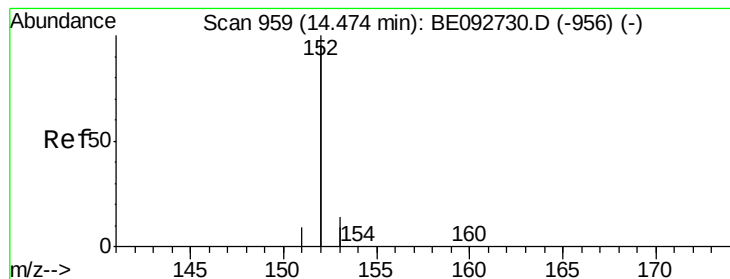
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#14
 2-Fluorobiphenyl
 Concen: 0.82 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092750.D
 Acq: 20 Feb 2017 16:36

Tgt Ion: 172 Resp: 6544
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.1 45.1
 170 27.4 21.8 32.6





#15

Acenaphthylene

Concen: 0.35 ng

RT: 14.47 min Scan# 960

Delta R.T. 0.00 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Instrument :

BNA_E

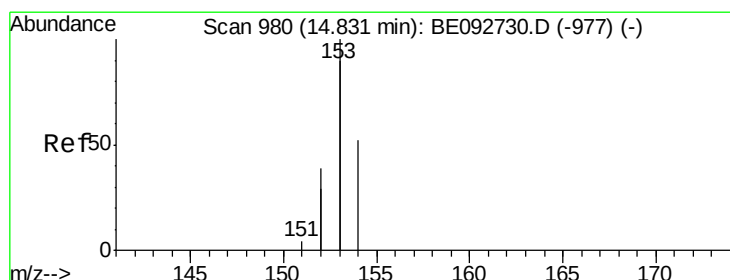
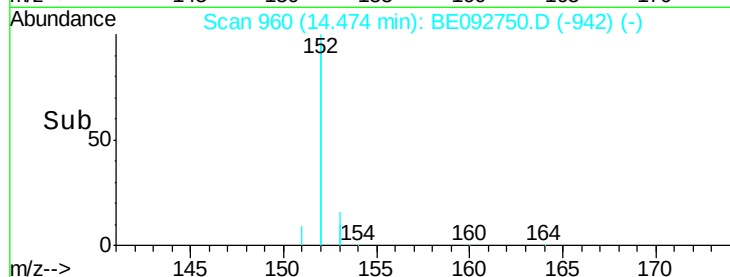
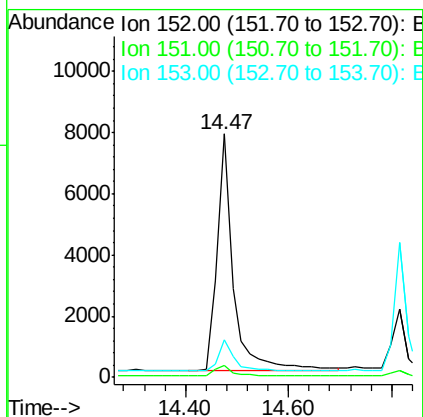
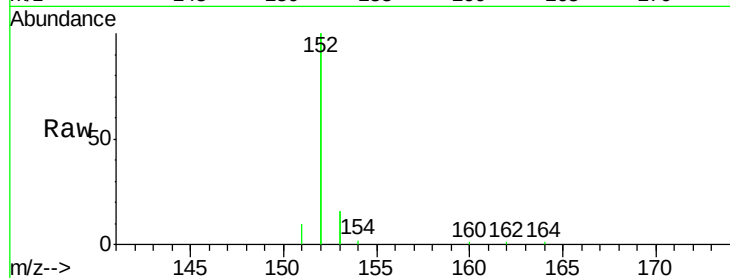
ClientSampleId :

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Tgt Ion:	152	Resp:	17239
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.9	5.9
153	13.0	10.4	15.6

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#16

Acenaphthene

Concen: 0.19 ng

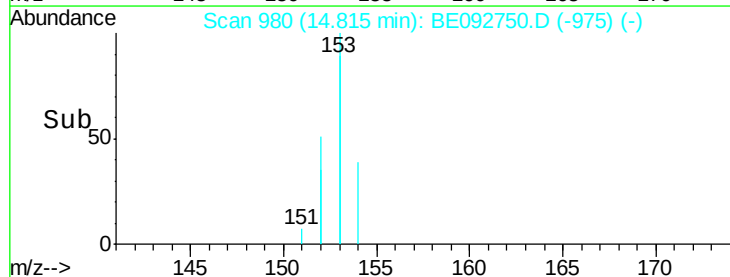
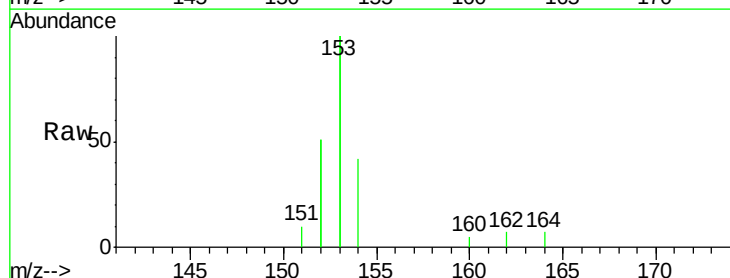
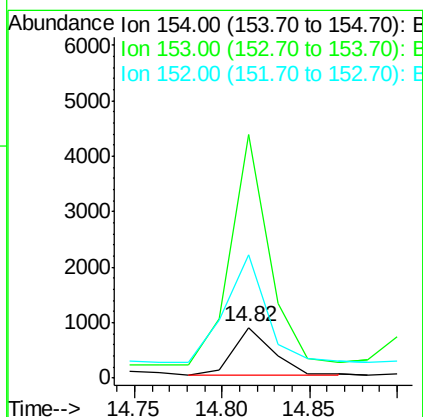
RT: 14.82 min Scan# 980

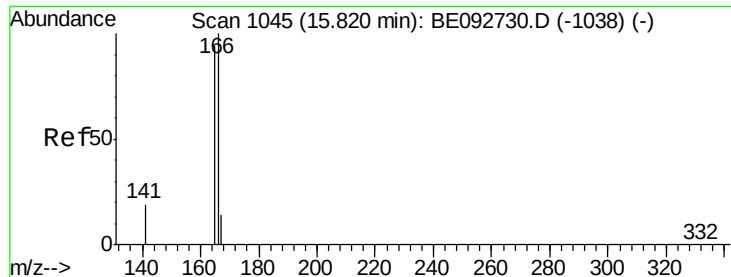
Delta R.T. -0.02 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Tgt Ion:	154	Resp:	1389
Ion Ratio	Lower	Upper	
154	100		
153	463.9	350.8	526.2
152	227.8	171.1	256.7





#17

Fluorene

Concen: 0.11 ng

RT: 15.81 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Instrument :

BNA_E

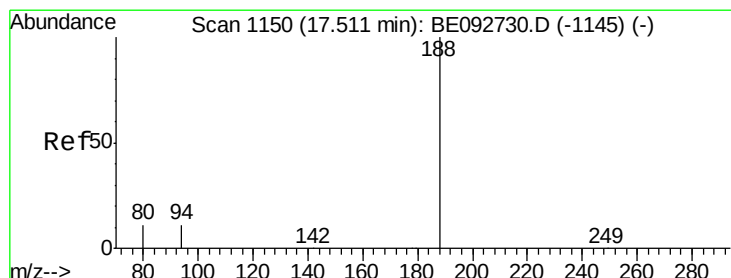
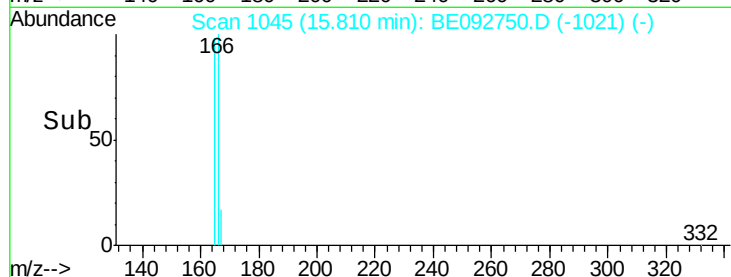
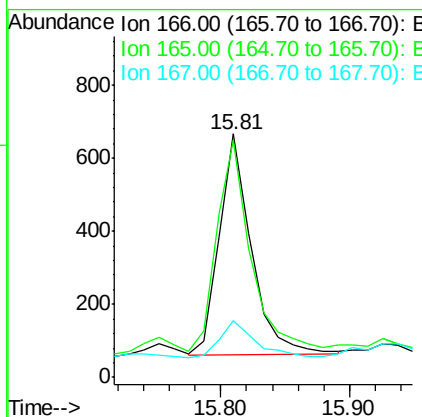
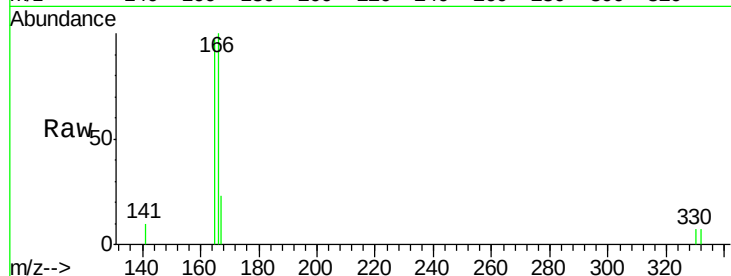
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.2	117.4
167	18.3	11.0	16.4#

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#18

Phenanthrene-d10

Concen: 5.00 ng

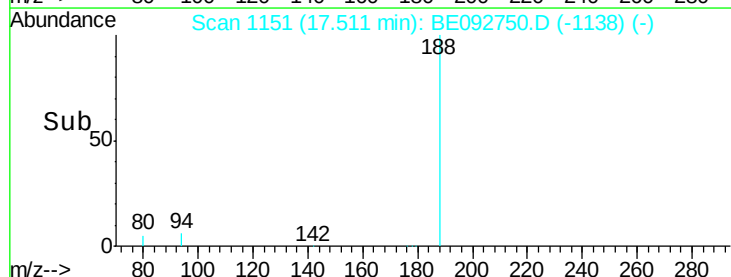
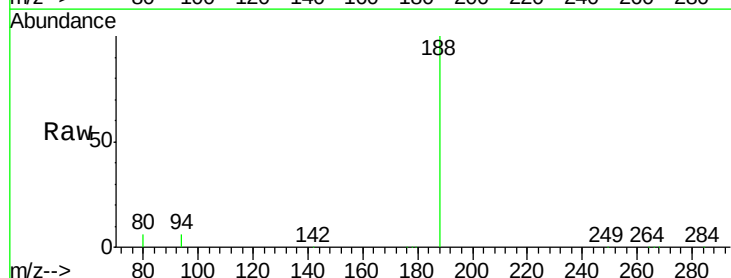
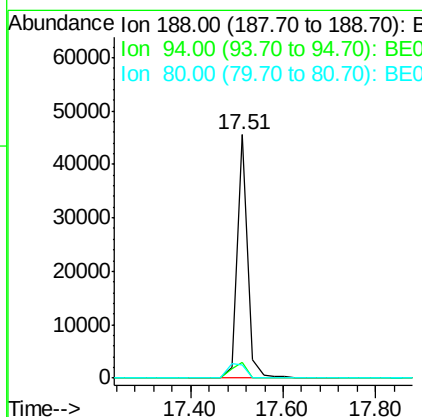
RT: 17.51 min Scan# 1151

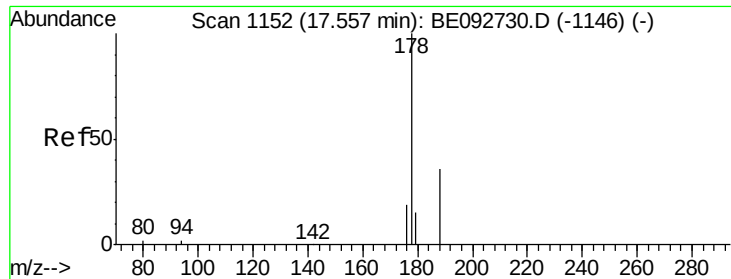
Delta R.T. 0.00 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	3.2	4.8#
80	5.5	2.6	3.8#





#21

Phenanthrene

Concen: 1.90 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Instrument :

BNA_E

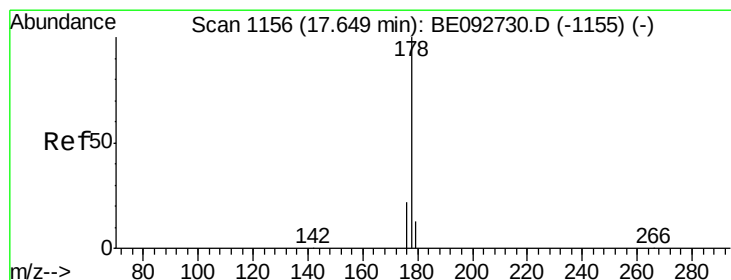
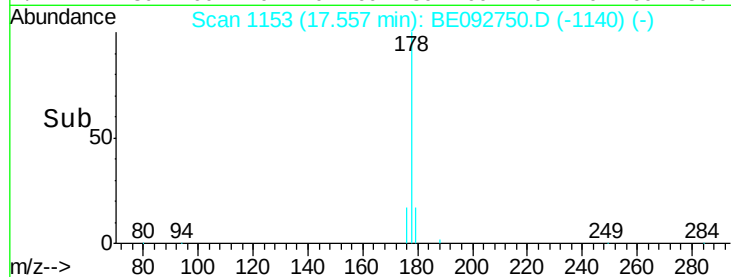
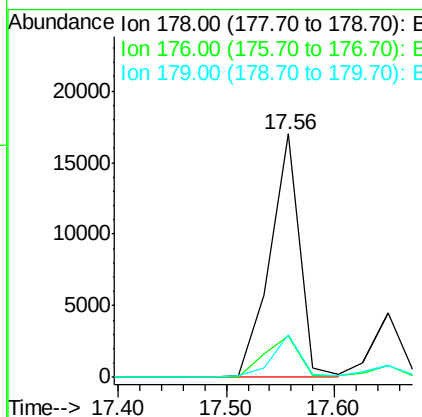
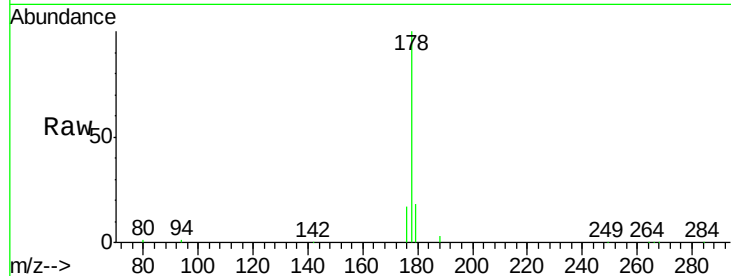
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.2	16.0	24.0

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#22

Anthracene

Concen: 0.56 ng m

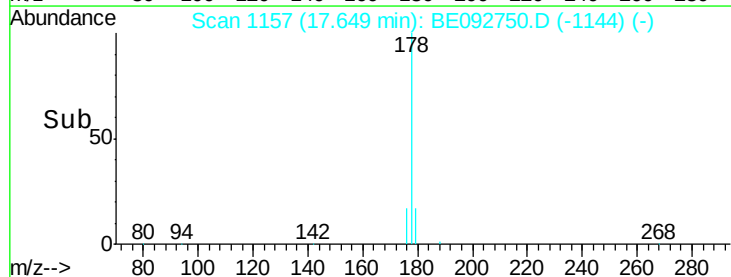
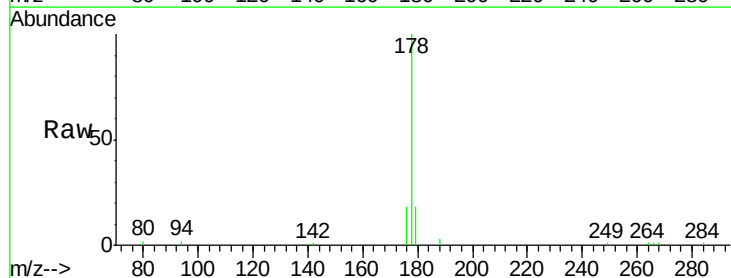
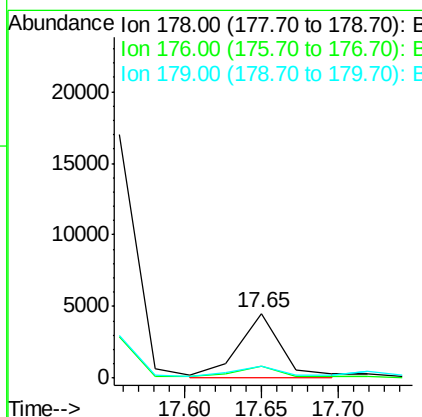
RT: 17.65 min Scan# 1157

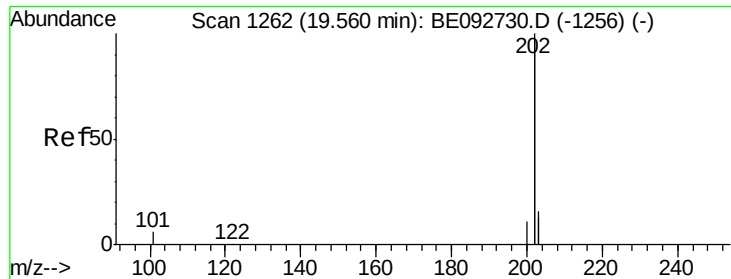
Delta R.T. 0.00 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	71.2	15.0	22.4#
179	60.0	12.2	18.2#





#23

Fluoranthene

Concen: 9.43 ng

RT: 19.54 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

Instrument :

BNA_E

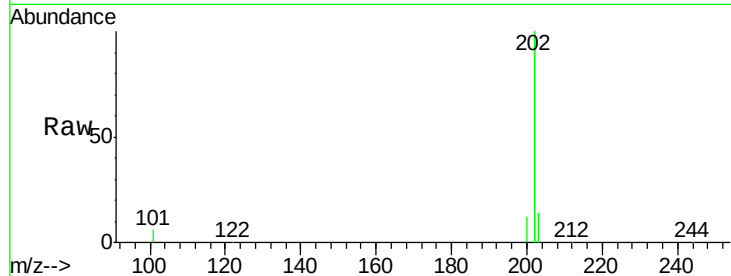
ClientSampleId :

SS050SS218(0-6)-170216

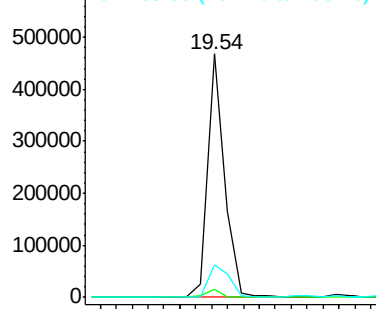
Tgt Ion:	202	Resp:	688815
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	16.7	13.7	20.5

Manual Integrations
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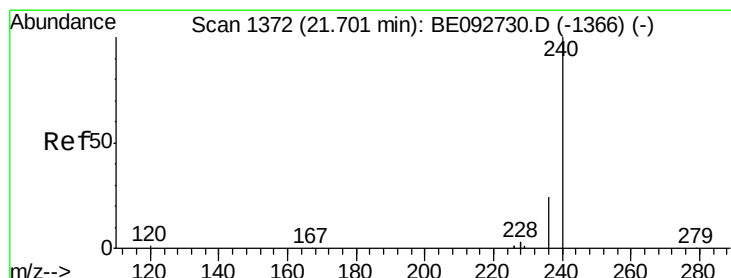
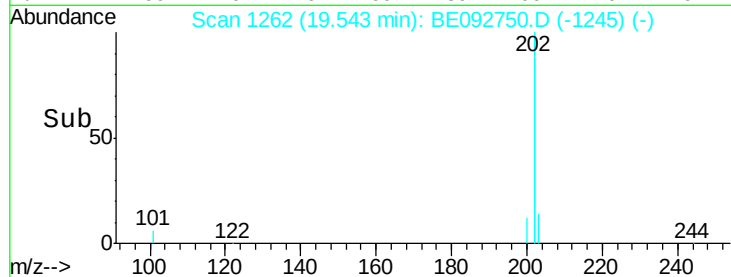
mohammad
2/21/2017 10:38:33 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

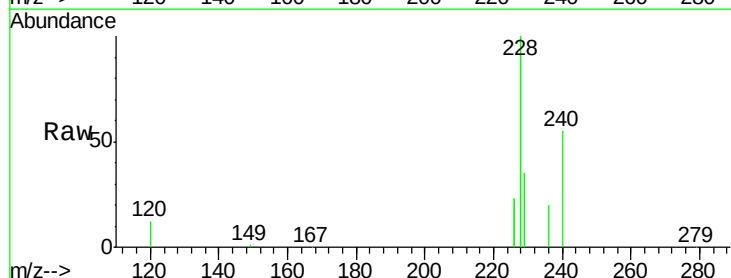
RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

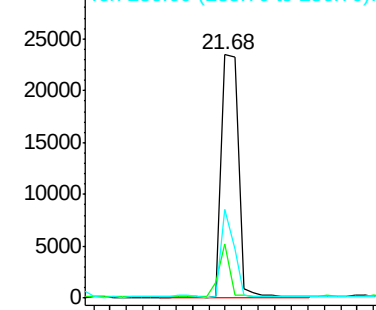
Lab File: BE092750.D

Acq: 20 Feb 2017 16:36

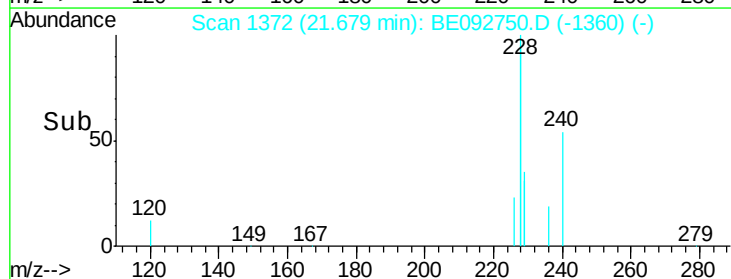
Tgt Ion:	240	Resp:	66315
Ion Ratio	Lower	Upper	
240	100		
120	22.0	2.6	4.0#
236	36.4	24.6	37.0

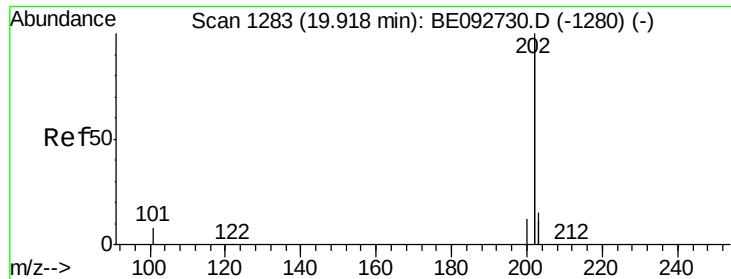


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





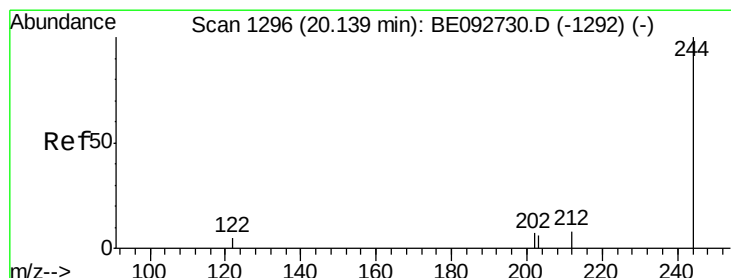
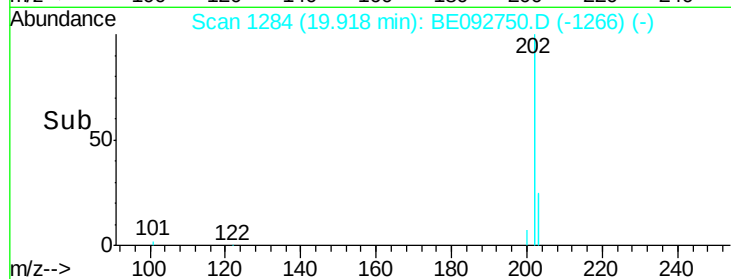
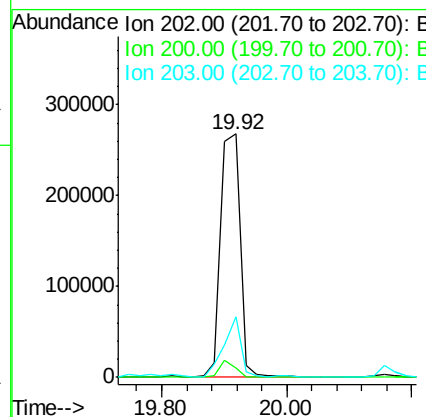
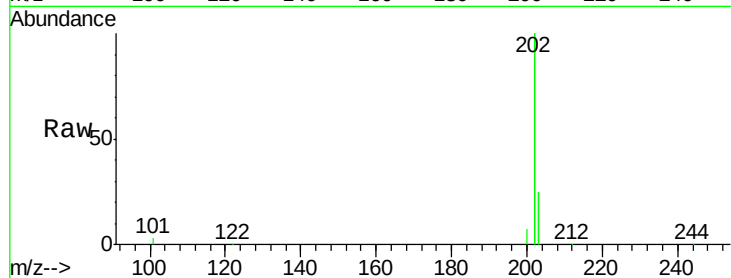
#25
 Pyrene
 Concen: 9.09 ng
 RT: 19.92 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BE092750.D
 Acq: 20 Feb 2017 16:36

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS218(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	21.2	13.9	20.9

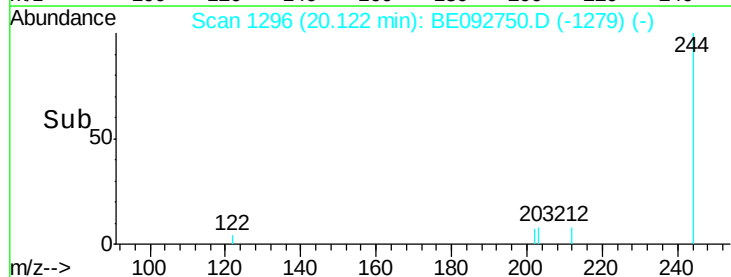
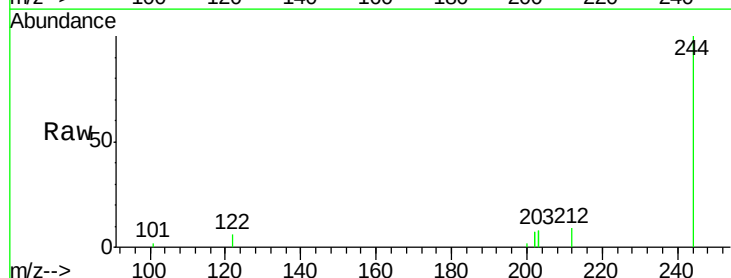
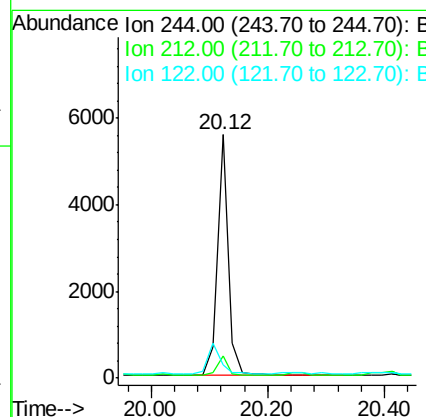
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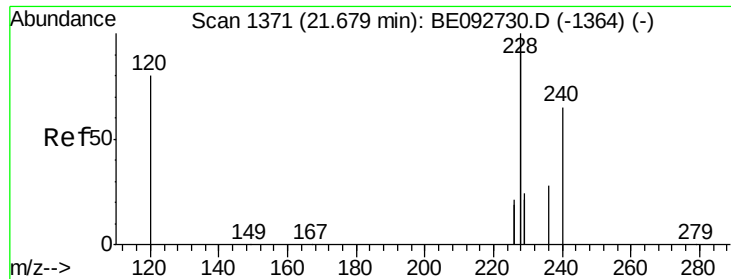
mohammad
 2/21/2017 10:38:33 AM



#26
 Terphenyl-d14
 Concen: 0.87 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092750.D
 Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.7	10.1
122	5.6	3.6	5.4





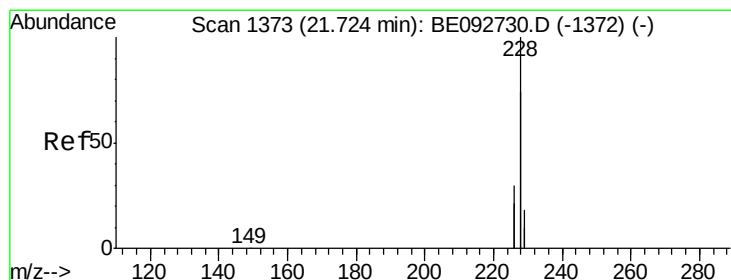
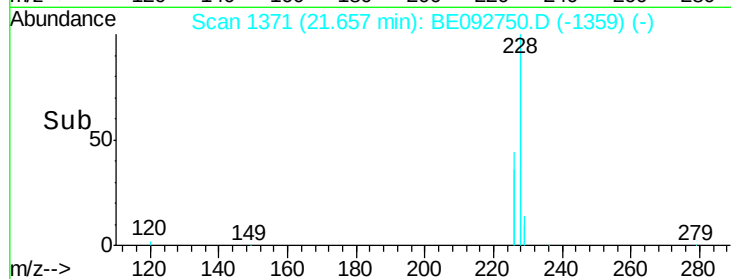
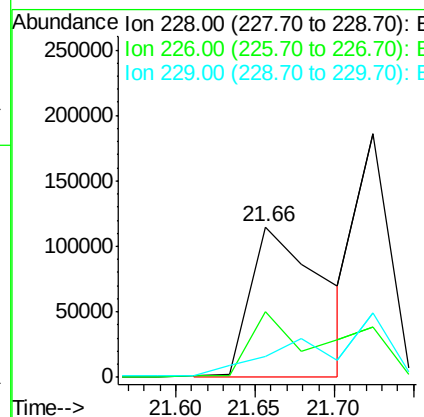
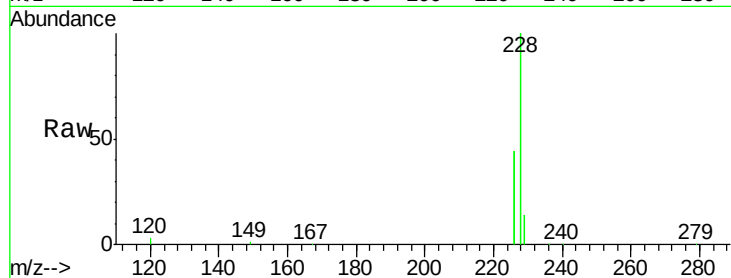
#27
Benzo(a)anthracene
Concen: 5.77 ng m
RT: 21.66 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Instrument :
BNA_E
ClientSampleId :
SS050SS218(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.1	23.6	35.4#
229	14.2	13.3	19.9

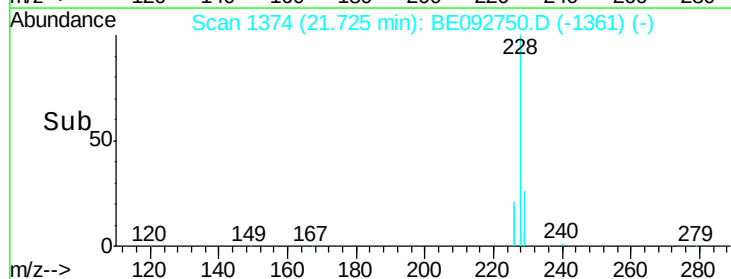
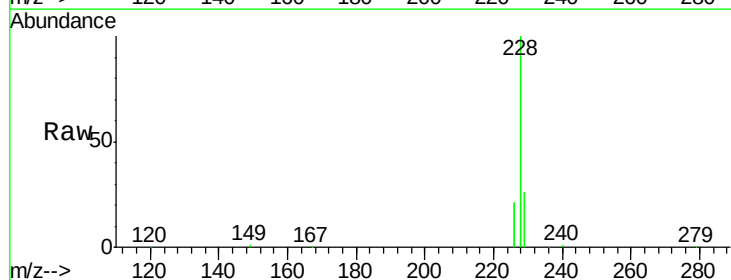
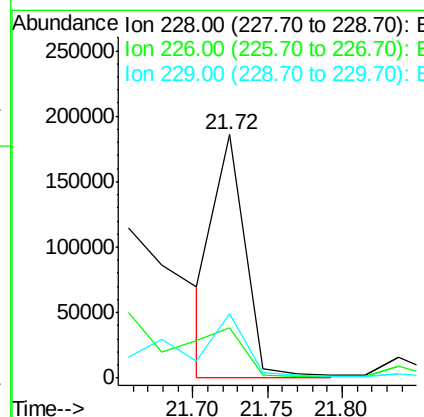
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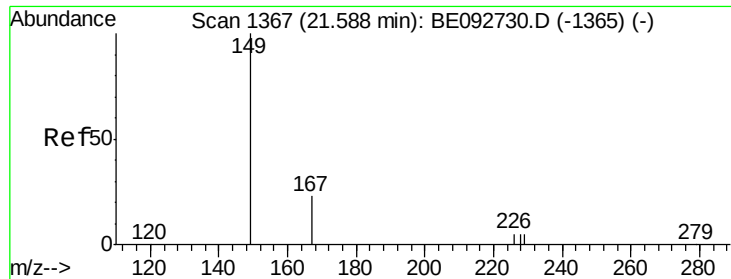
mohammad
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#28
Chrysene
Concen: 3.54 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	20.8	36.3	54.5#
229	26.4	10.6	16.0#





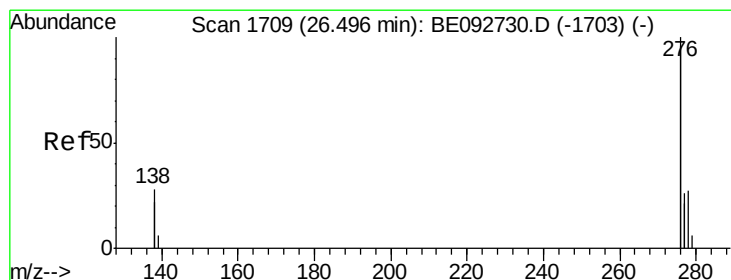
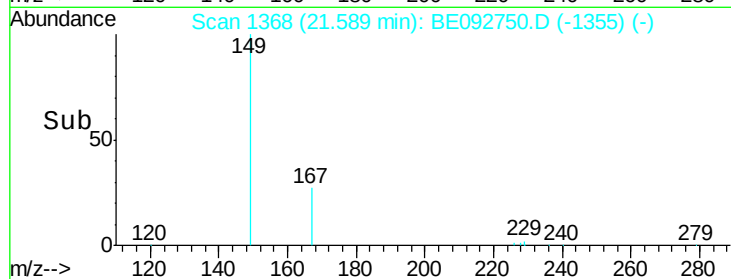
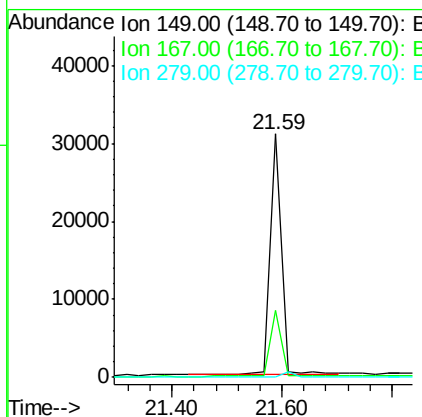
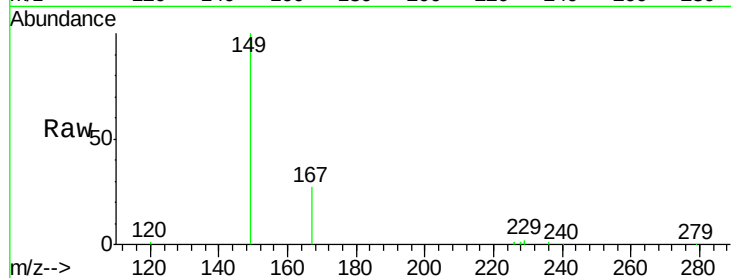
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 5.11 ng
 RT: 21.59 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE092750.D
 Acq: 20 Feb 2017 16:36

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS218(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	16.0	24.0#
279	0.0	16.0	24.0#

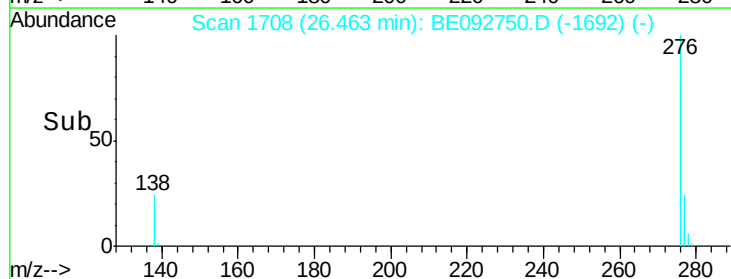
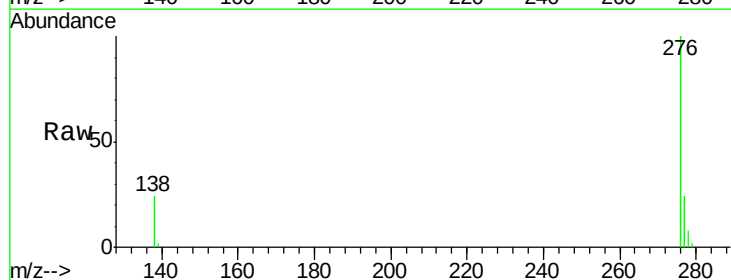
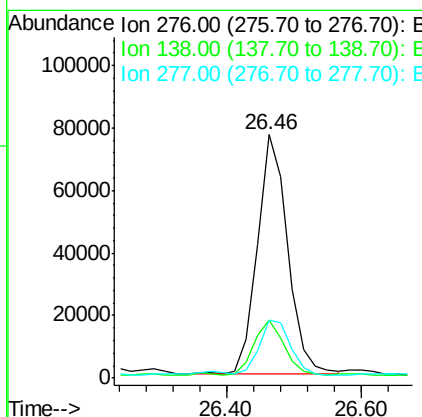
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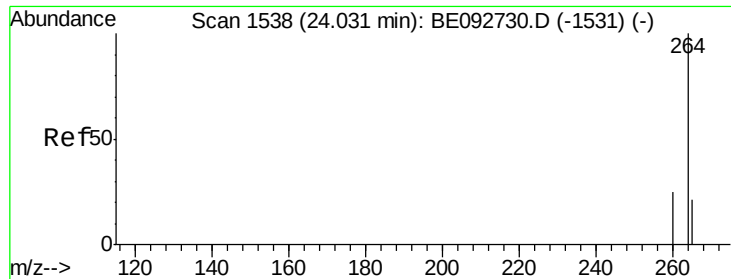
mohammad
 2/21/2017 10:38:33 AM



#30
 Indeno(1,2,3-cd)pyrene
 Concen: 3.05 ng
 RT: 26.46 min Scan# 1708
 Delta R.T. -0.03 min
 Lab File: BE092750.D
 Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.3	30.5
277	23.5	19.7	29.5





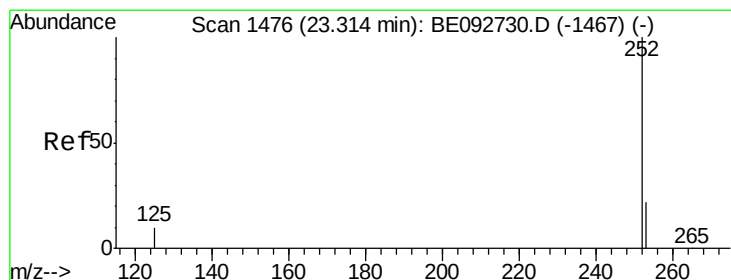
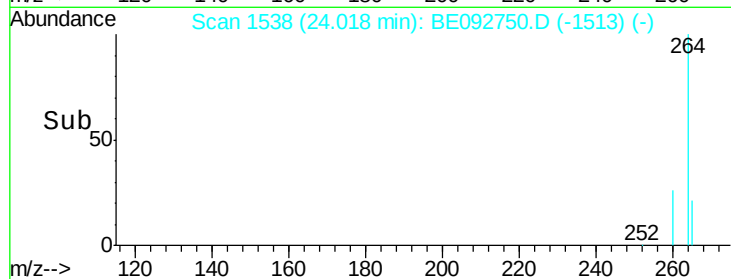
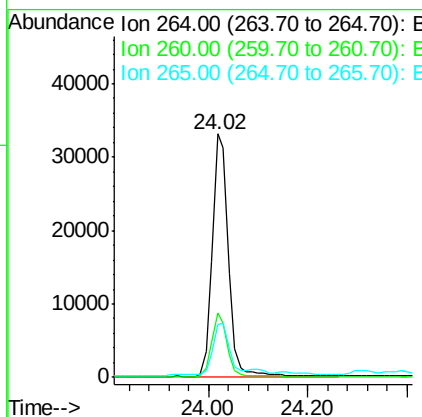
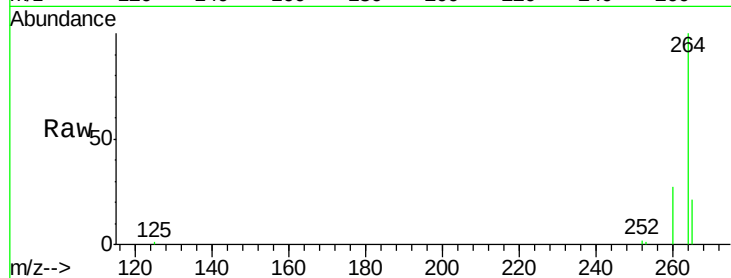
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.02 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Instrument :
BNA_E
ClientSampleId :
SS050SS218(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.1	30.1
265	21.5	17.9	26.9

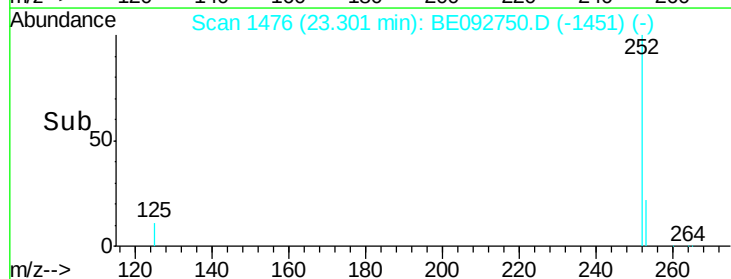
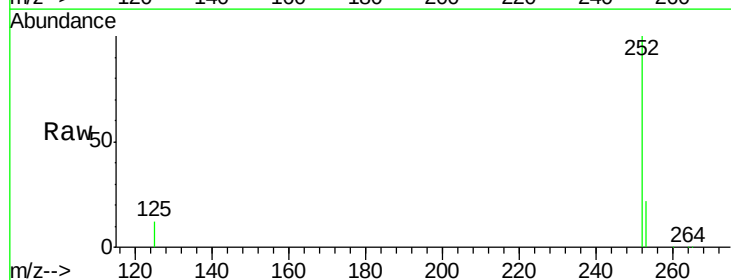
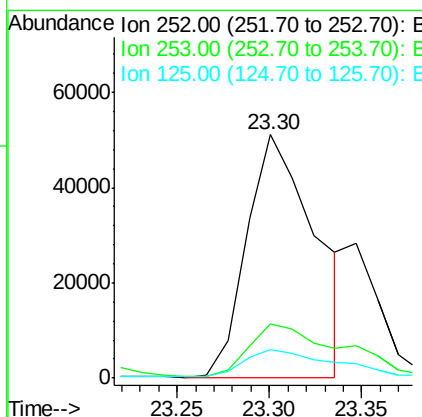
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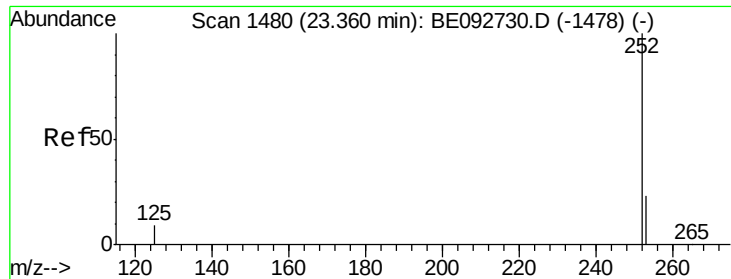
mohammad
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#32
Benzo(b)fluoranthene
Concen: 6.85 ng m
RT: 23.30 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.7	28.1
125	11.6	10.5	15.7





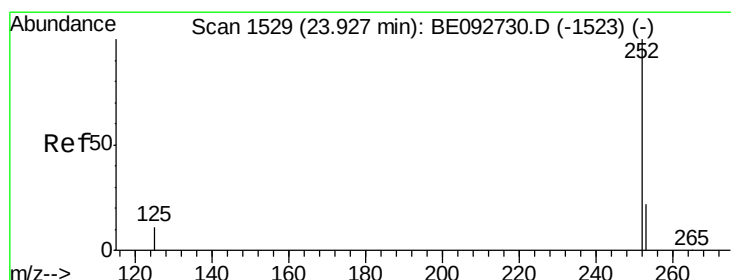
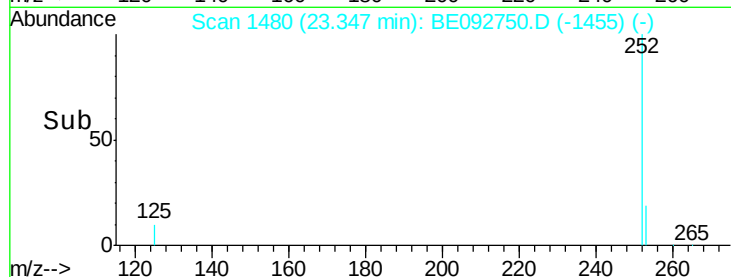
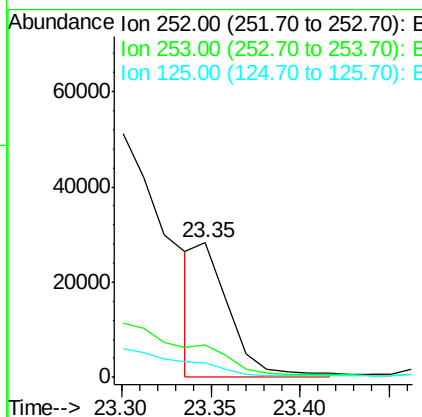
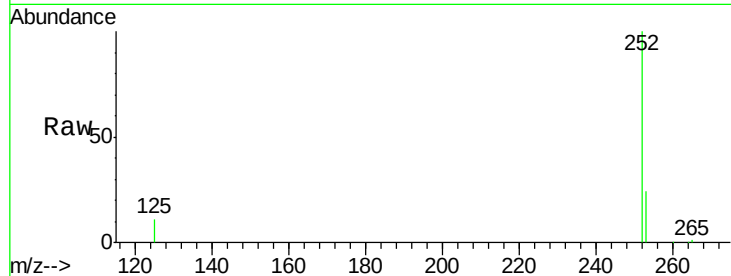
#33
Benzo(k)fluoranthene
Concen: 1.82 ng m
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Instrument :
BNA_E
ClientSampleId :
SS050SS218(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.3	30.5
125	10.9	9.6	14.4

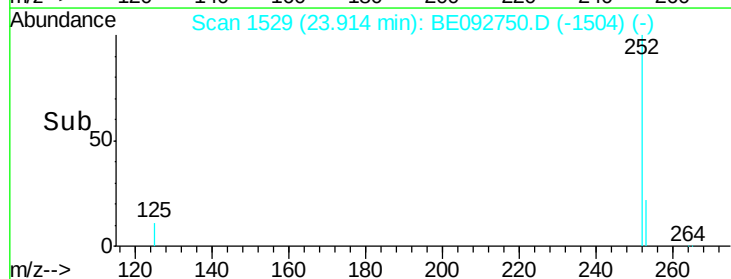
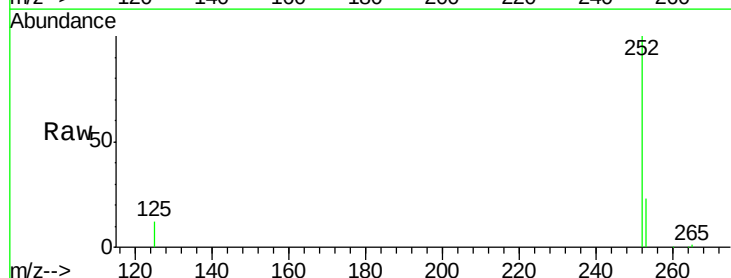
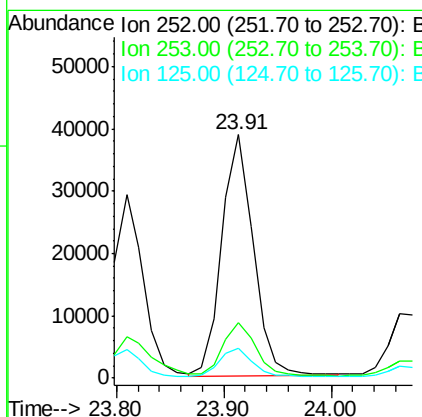
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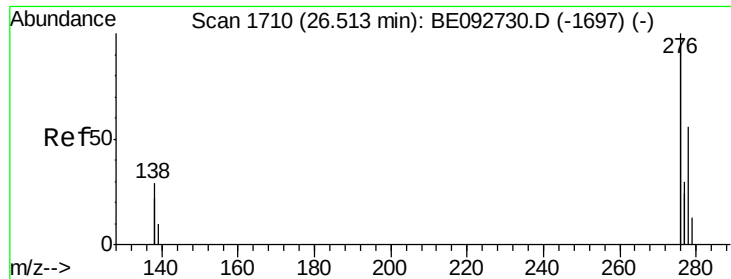
mohammad
2/21/2017 10:38:33 AM



#34
Benzo(a)pyrene
Concen: 4.17 ng
RT: 23.91 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.0	28.6
125	12.0	11.8	17.8





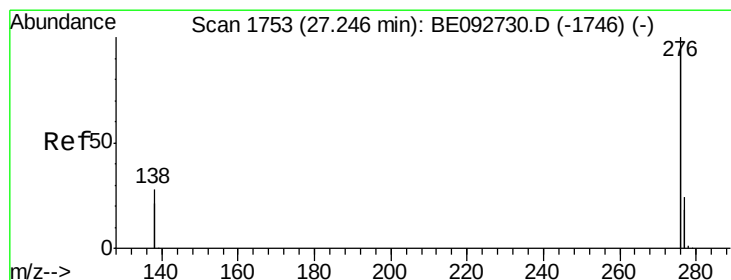
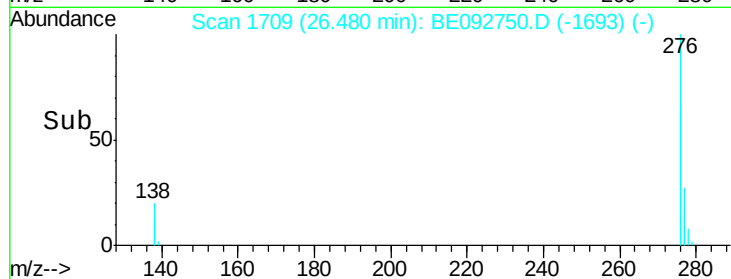
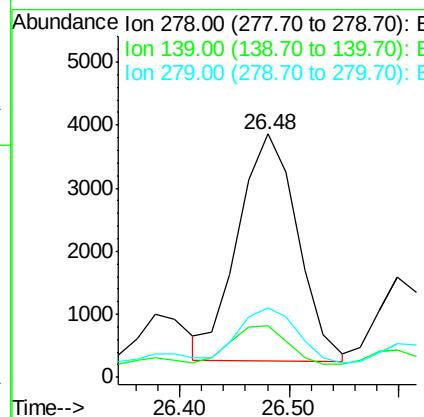
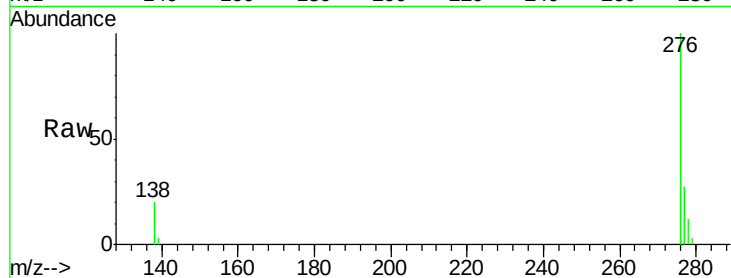
#35
Dibenzo(a,h)anthracene
Concen: 0.73 ng
RT: 26.48 min Scan# 1709
Delta R.T. -0.03 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Instrument :
BNA_E
ClientSampleId :
SS050SS218(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	13.8	20.8#
279	28.8	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 27.23 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BE092750.D
Acq: 20 Feb 2017 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.8	29.8
138	22.5	19.8	29.6

