

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020117\
 Data File : BE092715.D
 Acq On : 1 Feb 2017 15:05
 Operator : SJ/MA
 Sample : I1505-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

Manual Integrations
 APPROVED

mohammad
 2/2/2017 10:14:30 AM

Quant Time: Feb 02 09:51:20 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	8.12	152	11738	5.00	ng	-0.02
7) Naphthalene-d8	10.91	136	54747	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	35762	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	77208	5.00	ng	0.00
24) Chrysene-d12	21.70	240	74535	5.00	ng	-0.02
31) Perylene-d12	24.05	264	81211	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.63	112	25378	9.68	ng	-0.02
5) Phenol-d6	7.29	99	35976	11.20	ng	-0.04
8) Nitrobenzene-d5	9.29	82	14767	4.16	ng	-0.04
13) 2,4,6-Tribromophenol	16.27	330	8581	8.12	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	34118	3.88	ng	-0.02
26) Terphenyl-d14	20.14	244	48639	4.62	ng	-0.02
Target Compounds						
11) 2-Methylnaphthalene	12.60	142	221	0.03	ng	Qvalue # 82
15) Acenaphthylene	14.49	152	2502	0.05	ng	98
21) Phenanthrene	17.58	178	4317	0.25	ng	99
22) Anthracene	17.67	178	640	0.04	ng	95
23) Fluoranthene	19.58	202	28733	0.38	ng	98
25) Pyrene	19.93	202	29265m	0.40	ng	
27) Benzo(a)anthracene	21.68	228	11549m	0.16	ng	
28) Chrysene	21.75	228	21290m	0.26	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	2959	0.40	ng	# 49
30) Indeno(1,2,3-cd)pyrene	26.53	276	9496	0.11	ng	98
32) Benzo(b)fluoranthene	23.34	252	4870m	0.25	ng	
33) Benzo(k)fluoranthene	23.36	252	2036m	0.10	ng	
34) Benzo(a)pyrene	23.95	252	3367	0.18	ng	# 33
36) Benzo(g,h,i)perylene	27.30	276	12832	0.17	ng	# 64

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

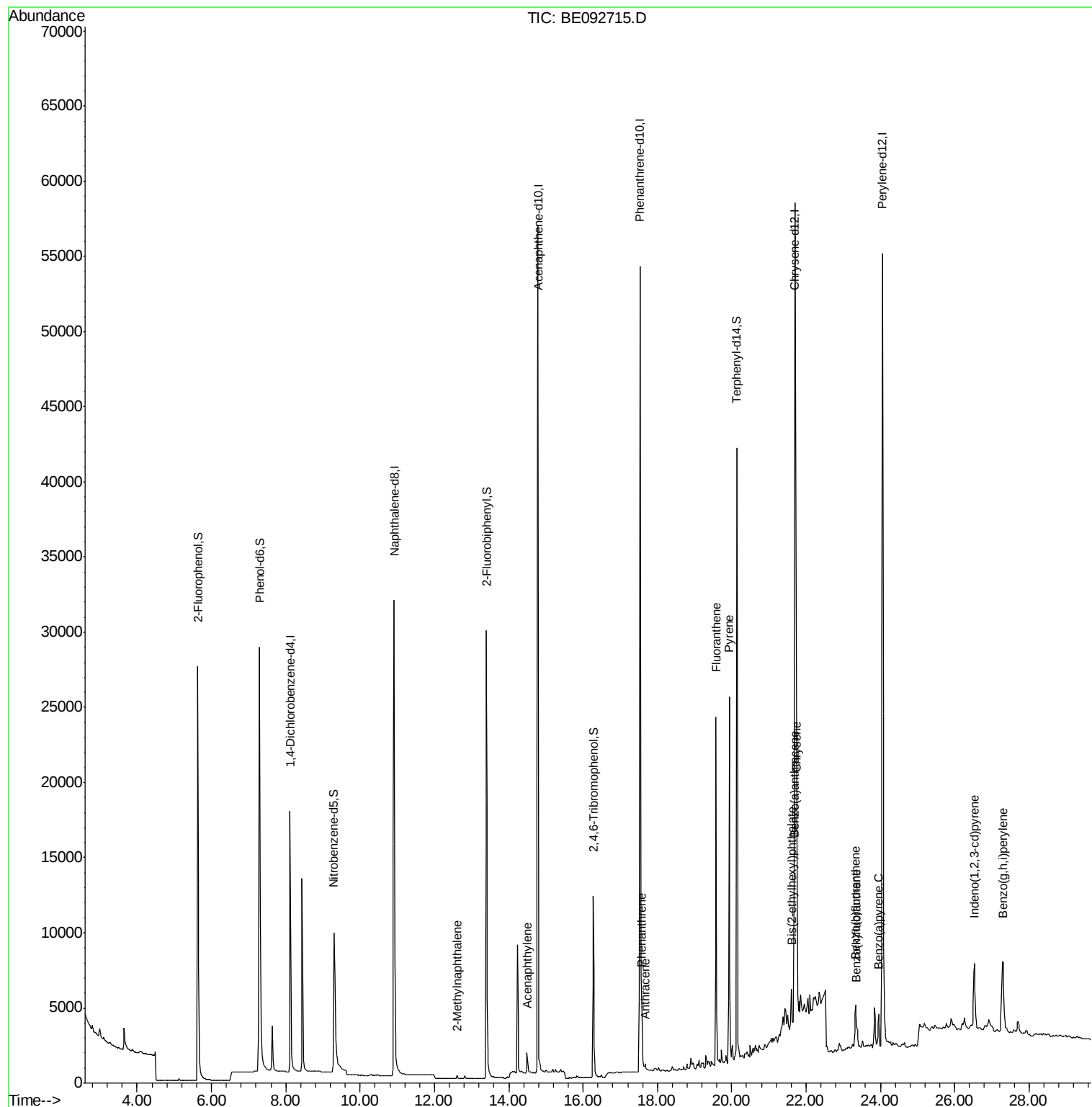
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020117\
Data File : BE092715.D
Acq On : 1 Feb 2017 15:05
Operator : SJ/MA
Sample : I1505-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

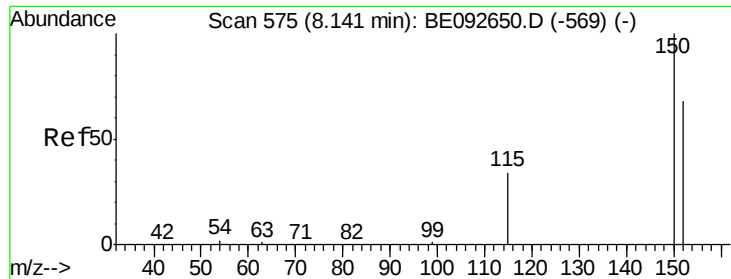
Instrument :
BNA_E
ClientSampled :
SB-01A

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Quant Time: Feb 02 09:51:20 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
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.02 min

Lab File: BE092715.D

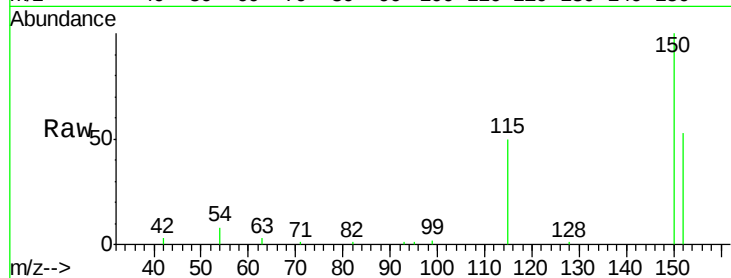
Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

ClientSampled :

SB-01A



Tgt Ion:152 Resp: 11738

Ion Ratio Lower Upper

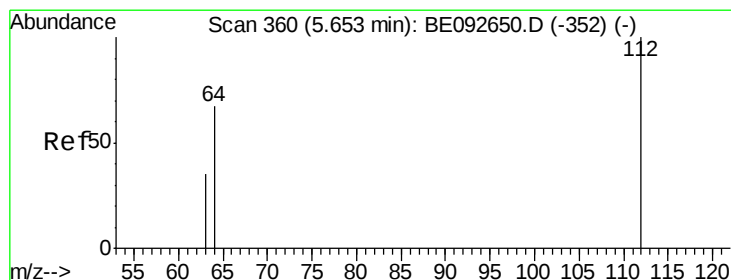
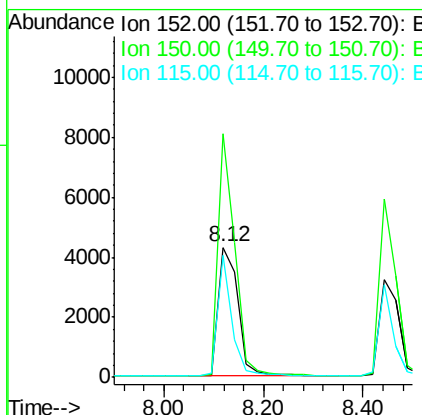
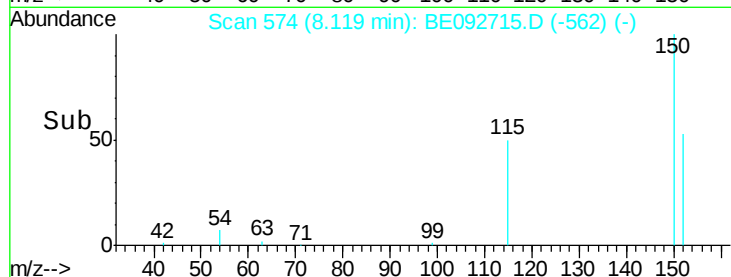
152 100

150 187.1 106.0 159.0#

115 94.0 31.2 46.8#

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#4

2-Fluorophenol

Concen: 9.68 ng

RT: 5.63 min Scan# 357

Delta R.T. -0.02 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

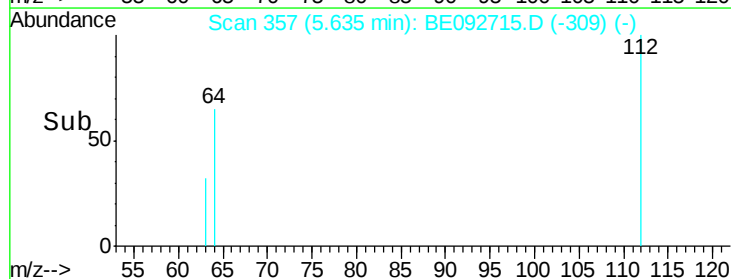
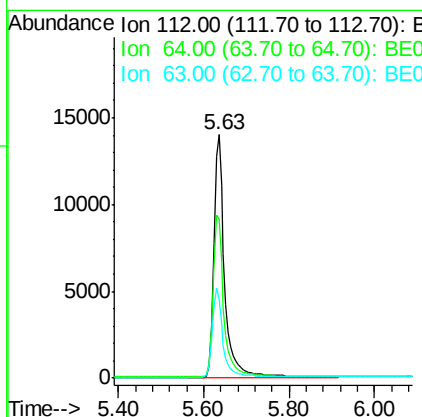
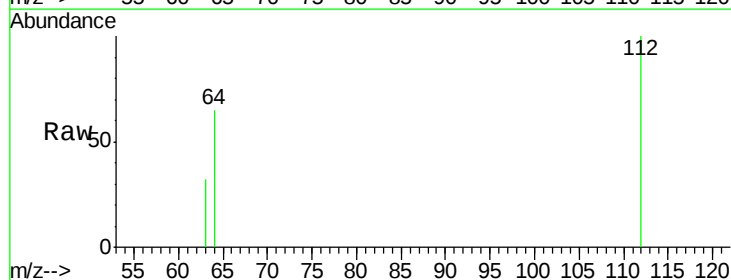
Tgt Ion:112 Resp: 25378

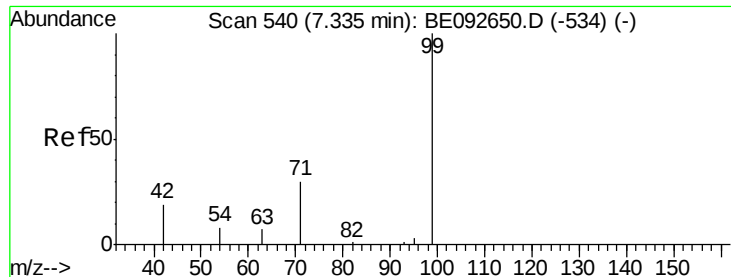
Ion Ratio Lower Upper

112 100

64 67.9 53.5 80.3

63 36.3 27.9 41.9





#5

Phenol-d6

Concen: 11.20 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.04 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

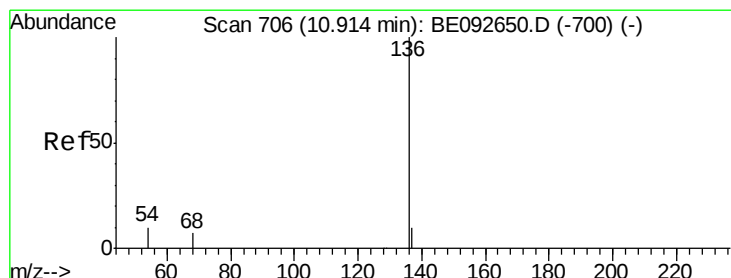
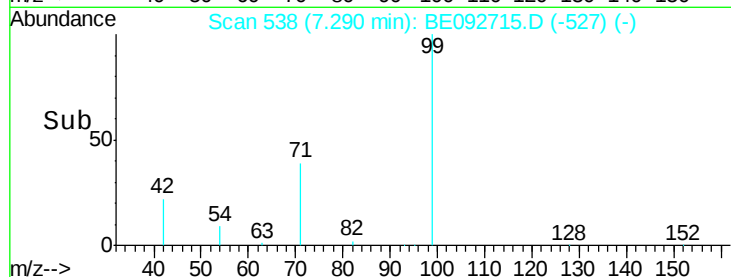
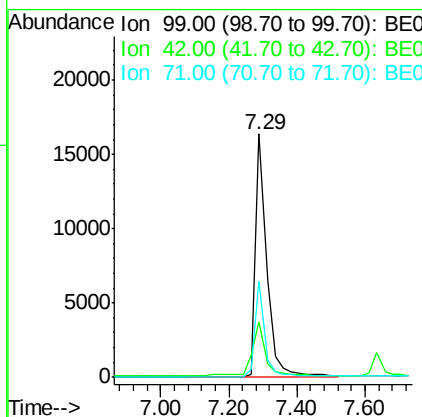
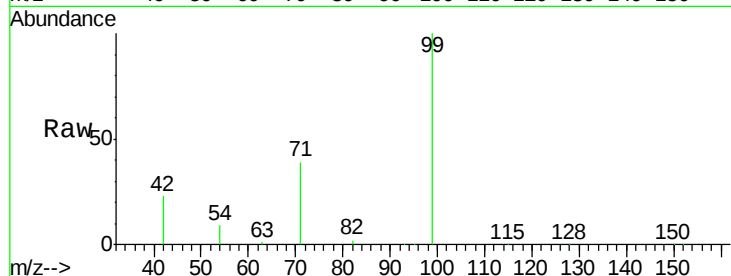
ClientSampleId :

SB-01A

Tgt Ion:	99	Resp:	35976
Ion	Ratio	Lower	Upper
99	100		
42	23.9	16.0	24.0
71	34.2	30.6	45.8

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#7

Naphthalene-d8

Concen: 5.00 ng

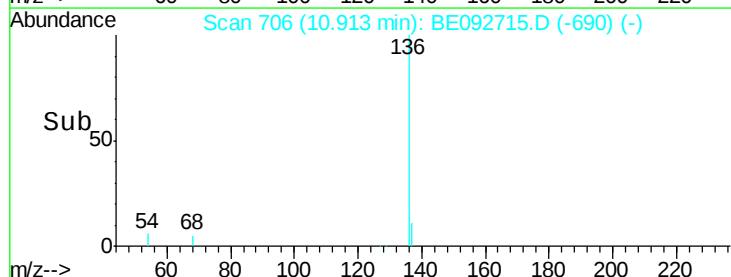
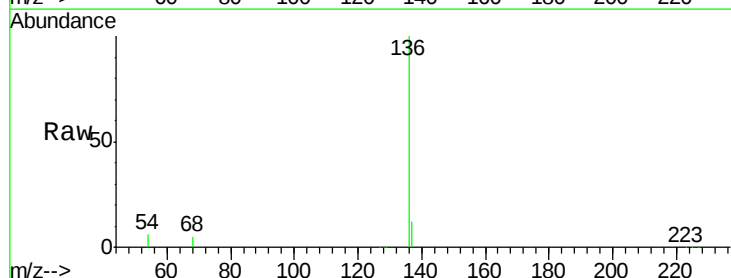
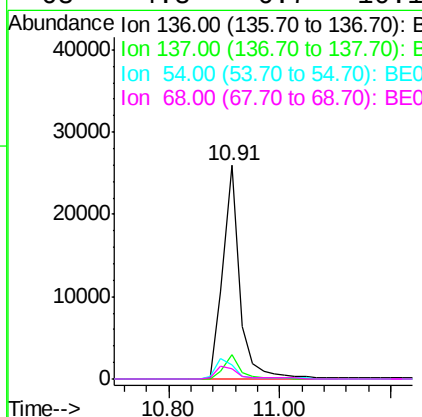
RT: 10.91 min Scan# 706

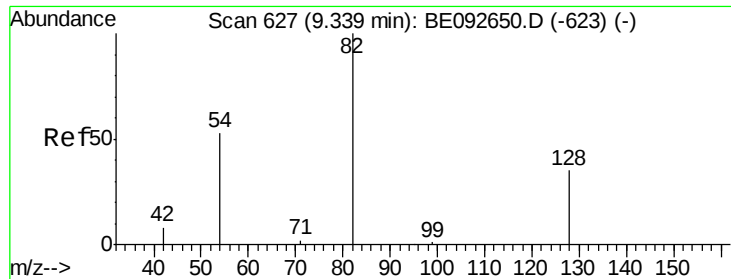
Delta R.T. -0.00 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Tgt Ion:	136	Resp:	54747
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	6.3	9.6	14.4#
68	4.8	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 4.16 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.04 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

ClientSampled :

SB-01A

Tgt Ion: 82 Resp: 14767

Ion Ratio Lower Upper

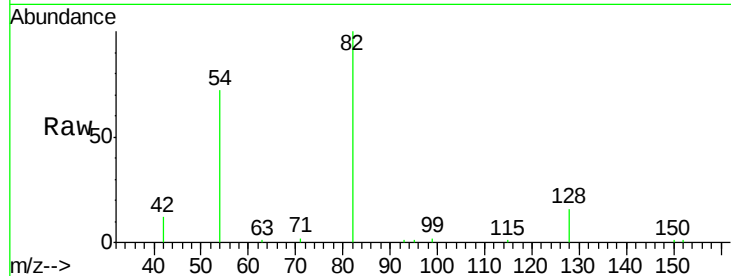
82 100

128 15.8 39.0 58.4#

54 71.6 44.8 67.2#

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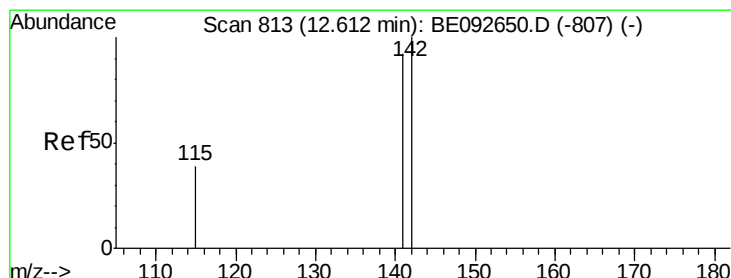
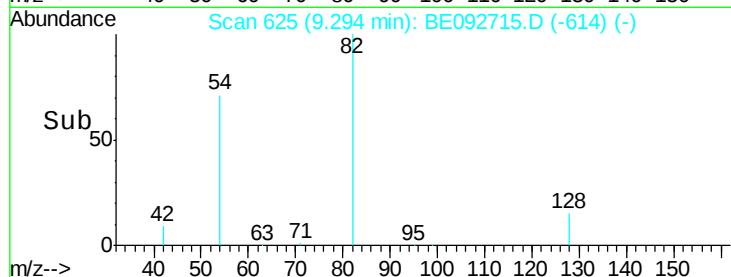
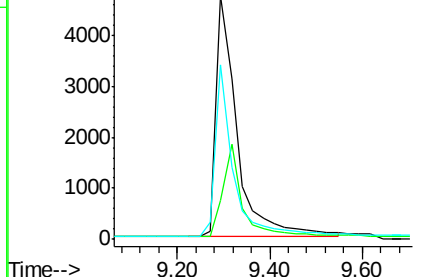
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Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.60 min Scan# 812

Delta R.T. -0.01 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

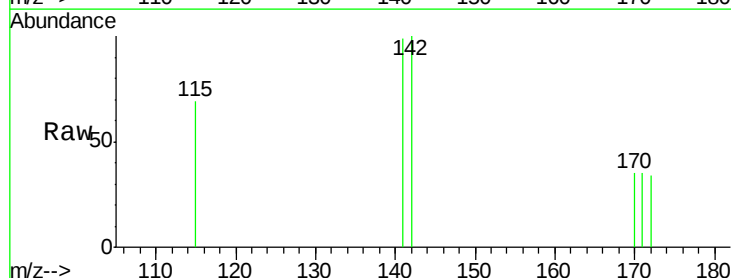
Tgt Ion: 142 Resp: 221

Ion Ratio Lower Upper

142 100

141 99.2 73.7 110.5

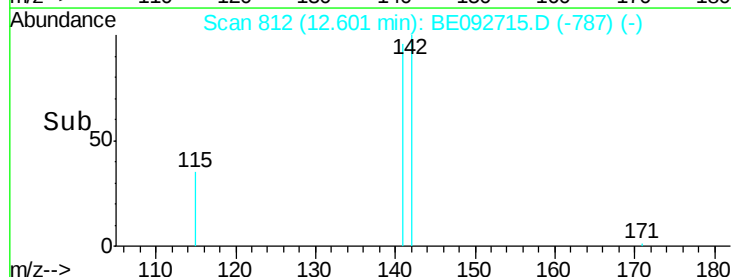
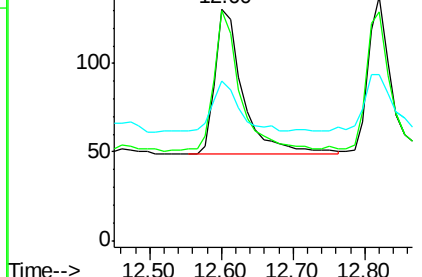
115 68.7 34.0 51.0#

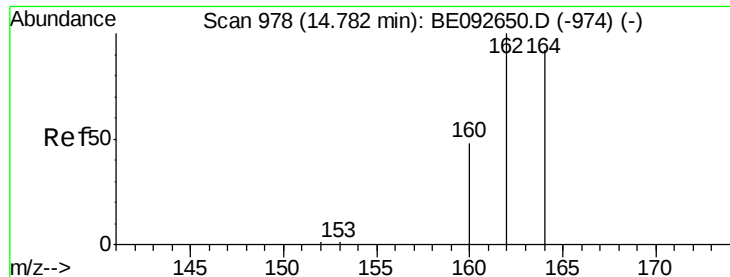


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

ClientSampleId :

SB-01A

Tgt Ion:164 Resp: 35762

Ion Ratio Lower Upper

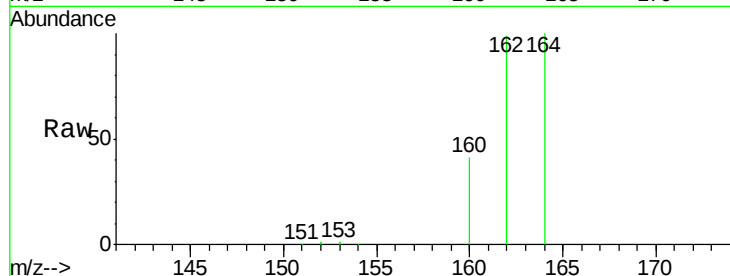
164 100

162 98.6 71.4 107.0

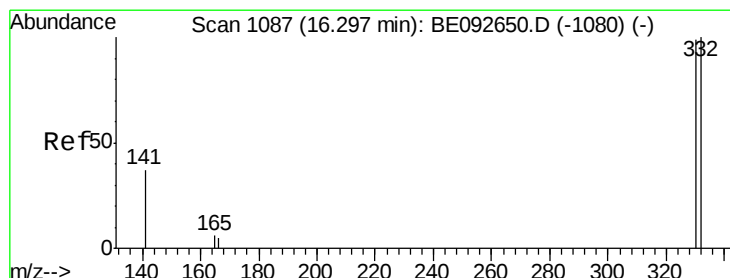
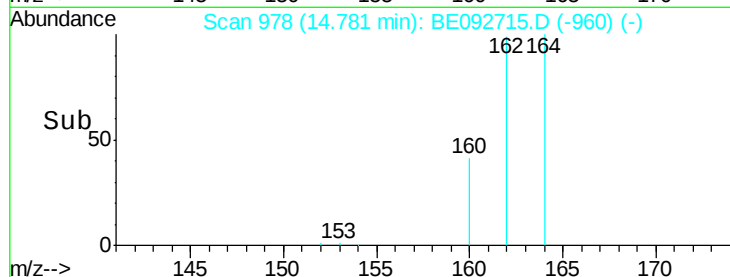
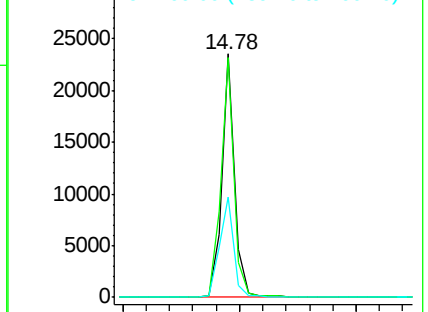
160 41.1 27.4 41.2

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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: 8.12 ng

RT: 16.27 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

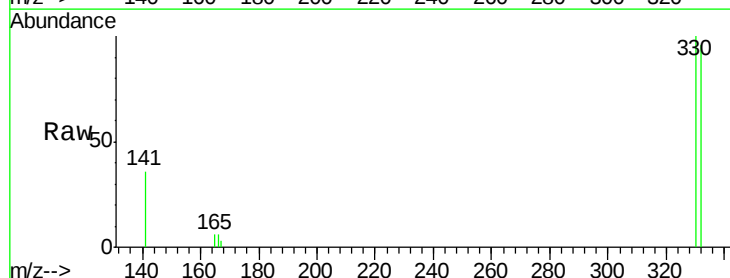
Tgt Ion:330 Resp: 8581

Ion Ratio Lower Upper

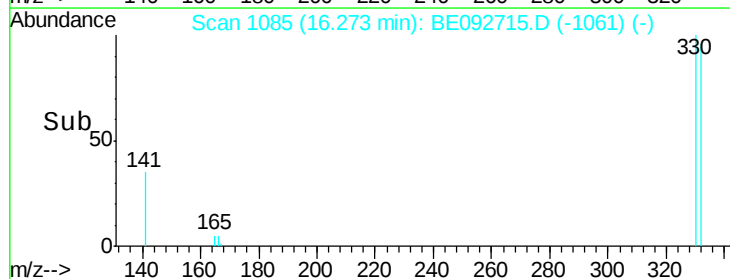
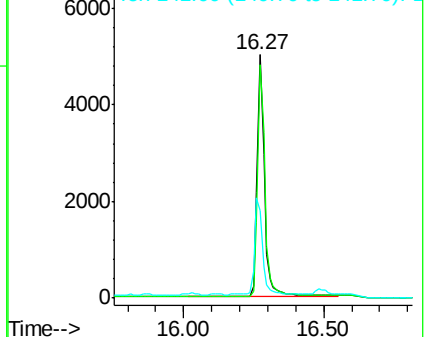
330 100

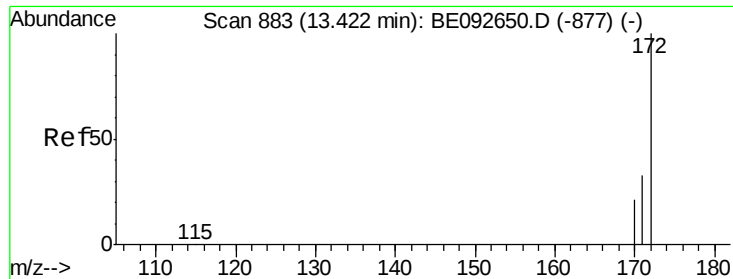
332 97.6 75.4 113.0

141 43.7 31.0 46.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





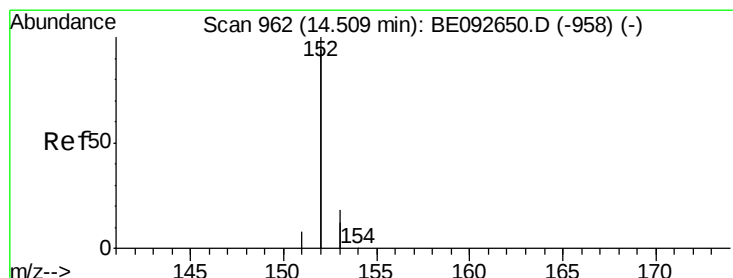
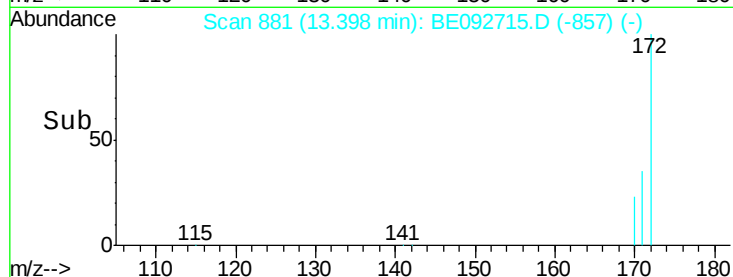
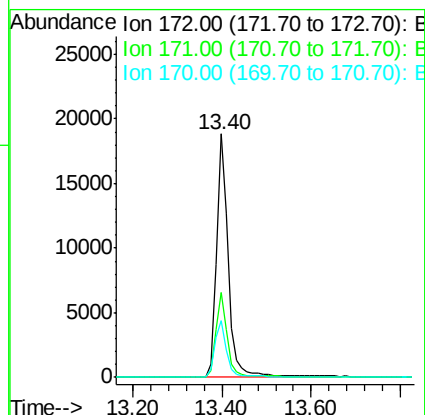
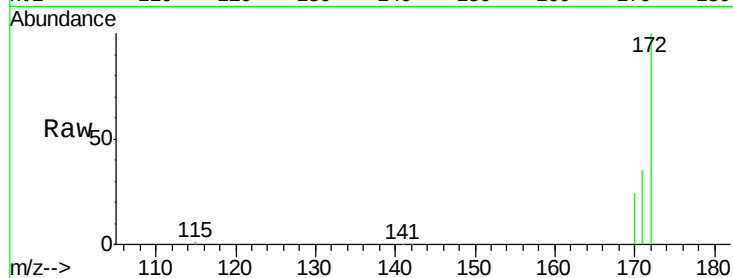
#14
2-Fluorobiphenyl
Concen: 3.88 ng
RT: 13.40 min Scan# 881
Delta R.T. -0.02 min
Lab File: BE092715.D
Acq: 1 Feb 2017 15:05

Instrument :
BNA_E
ClientSampleId :
SB-01A

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.1	45.1
170	23.6	21.8	32.6

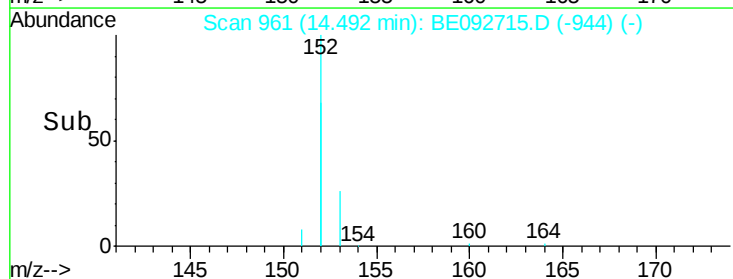
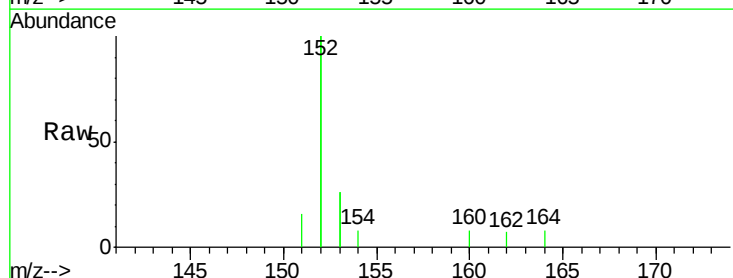
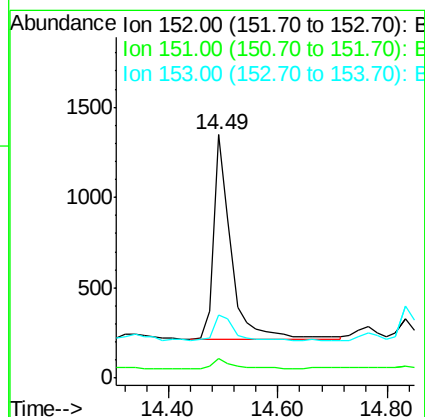
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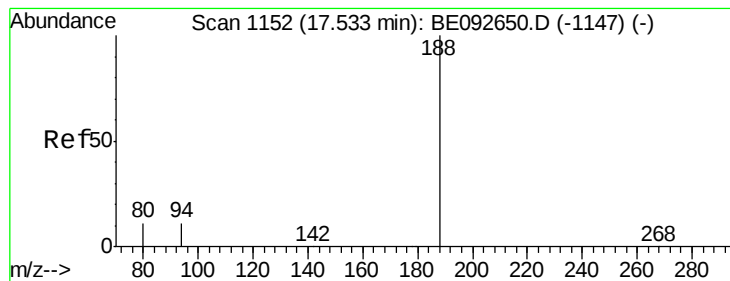
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#15
Acenaphthylene
Concen: 0.05 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092715.D
Acq: 1 Feb 2017 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.2	3.9	5.9
153	14.2	10.4	15.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

ClientSampleId :

SB-01A

Tgt Ion:188 Resp: 77208

Ion Ratio Lower Upper

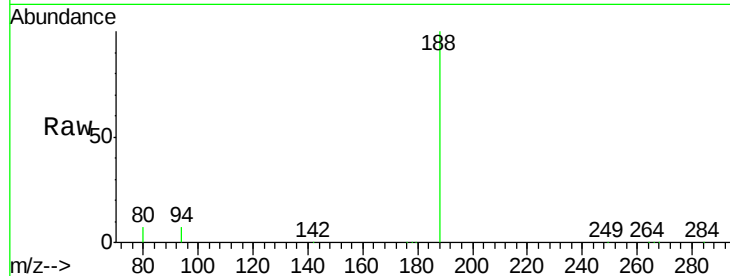
188 100

94 7.4 3.2 4.8#

80 6.8 2.6 3.8#

Manual Integrations
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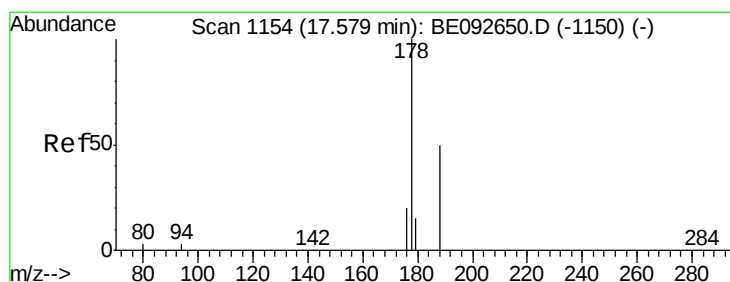
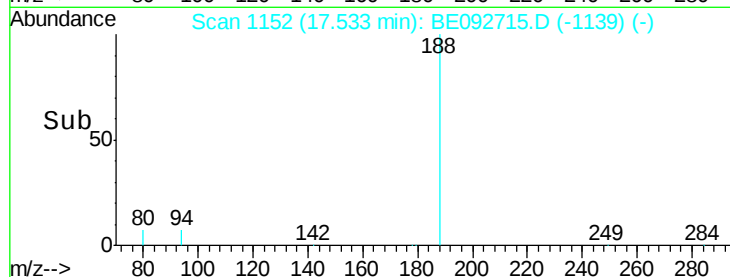
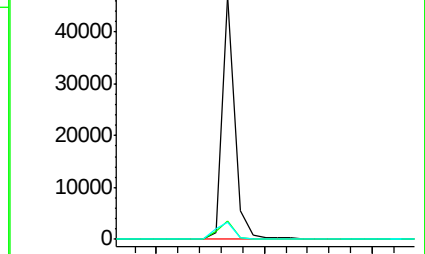
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Phenanthrene

Concen: 0.25 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Tgt Ion:178 Resp: 4317

Ion Ratio Lower Upper

178 100

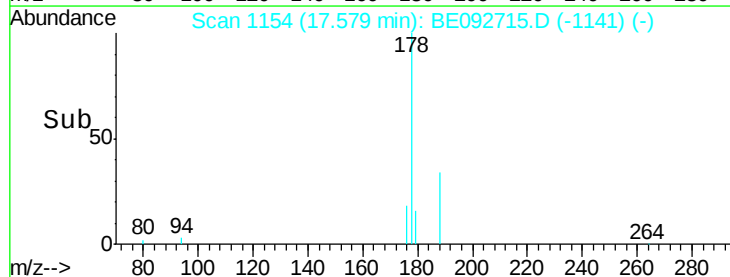
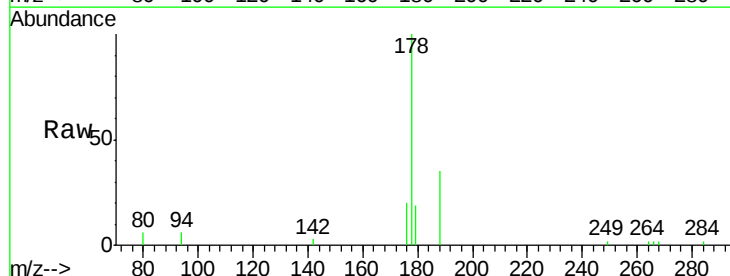
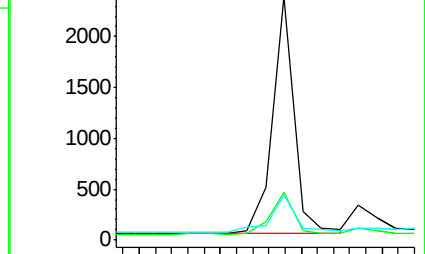
176 19.8 15.8 23.8

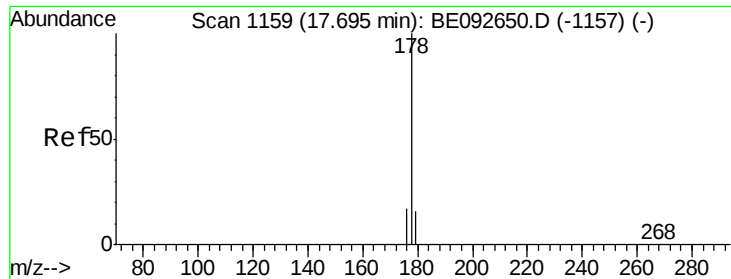
179 18.9 16.0 24.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





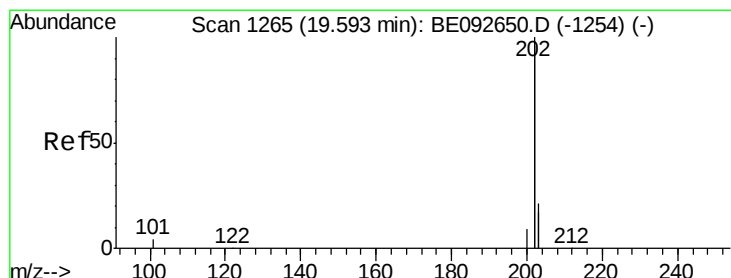
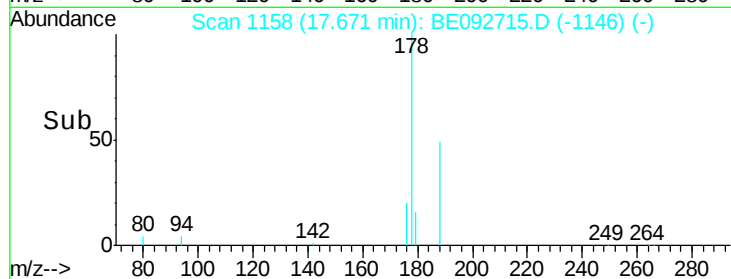
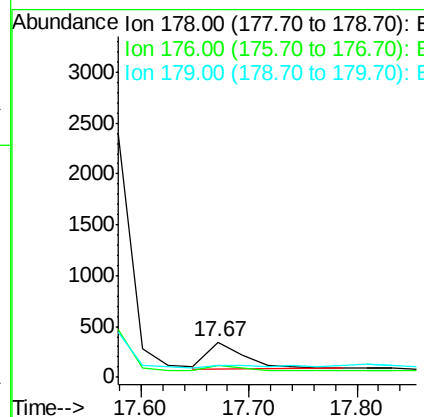
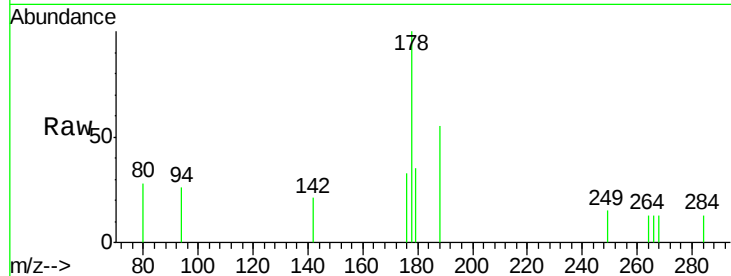
#22
 Anthracene
 Concen: 0.04 ng
 RT: 17.67 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BE092715.D
 Acq: 1 Feb 2017 15:05

Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.0	22.4
179	15.9	12.2	18.2

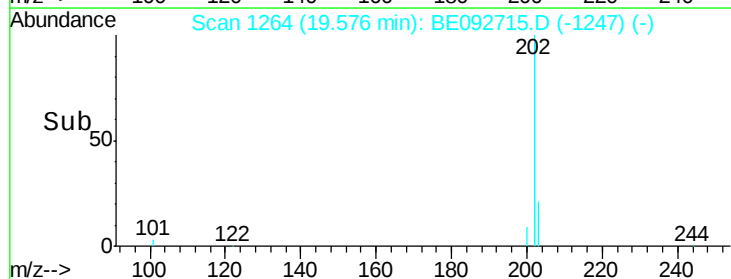
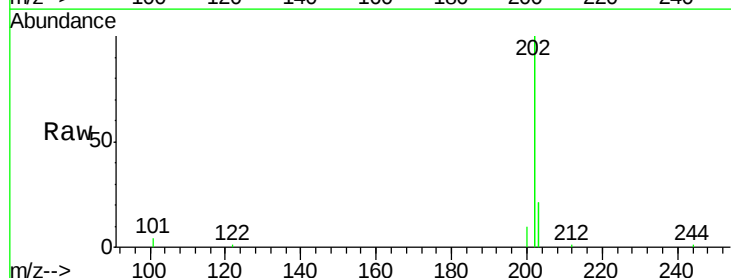
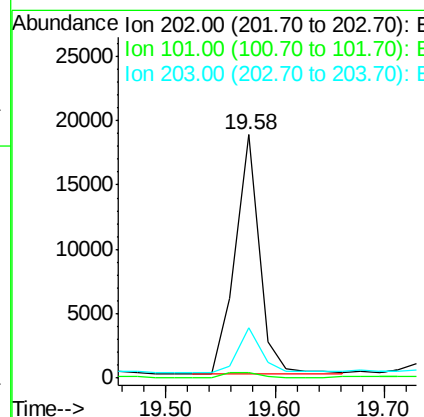
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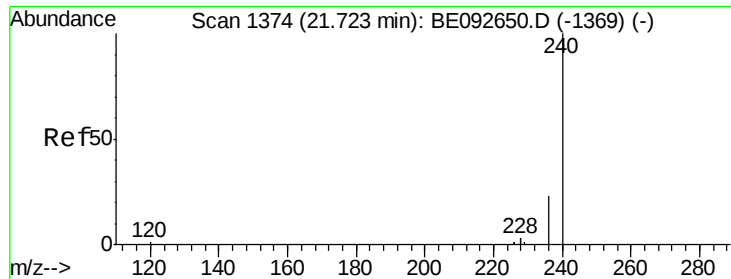
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#23
 Fluoranthene
 Concen: 0.38 ng
 RT: 19.58 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BE092715.D
 Acq: 1 Feb 2017 15:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	18.3	13.7	20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

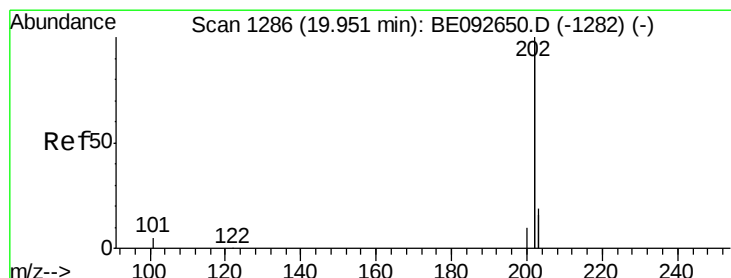
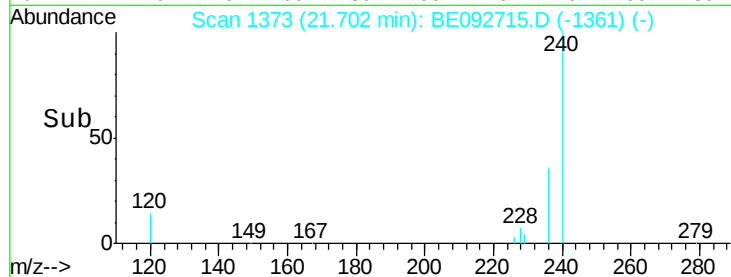
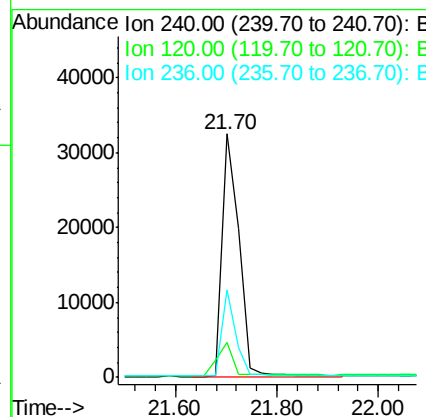
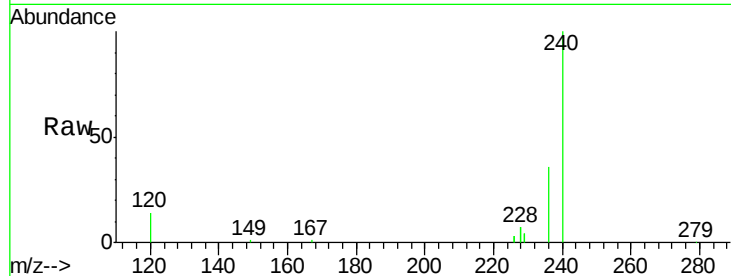
ClientSampleId :

SB-01A

Tgt Ion:240 Resp: 74535
 Ion Ratio Lower Upper
 240 100
 120 14.3 2.6 4.0#
 236 36.0 24.6 37.0

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#25

Pyrene

Concen: 0.40 ng m

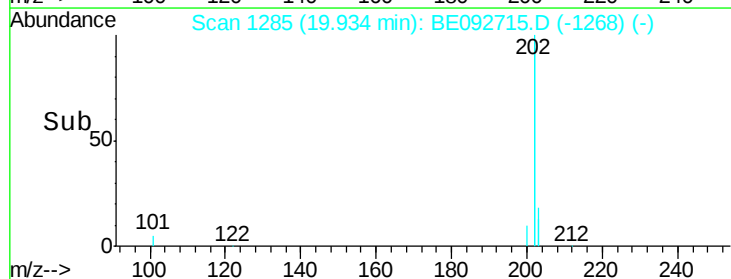
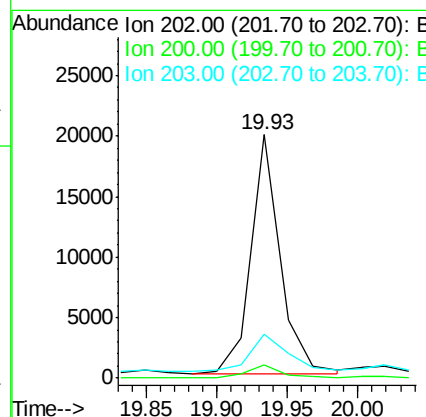
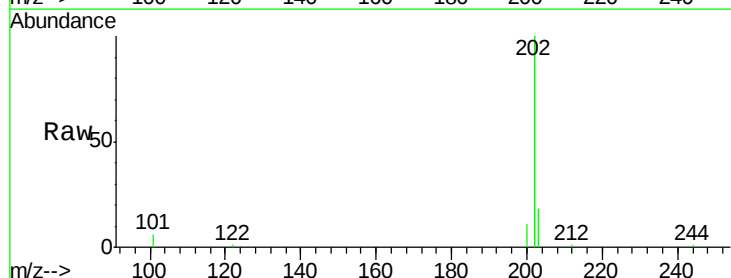
RT: 19.93 min Scan# 1285

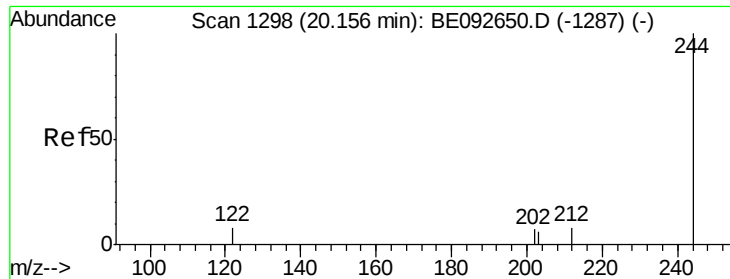
Delta R.T. -0.02 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Tgt Ion:202 Resp: 29265
 Ion Ratio Lower Upper
 202 100
 200 0.3 4.2 6.4#
 203 0.6 13.9 20.9#





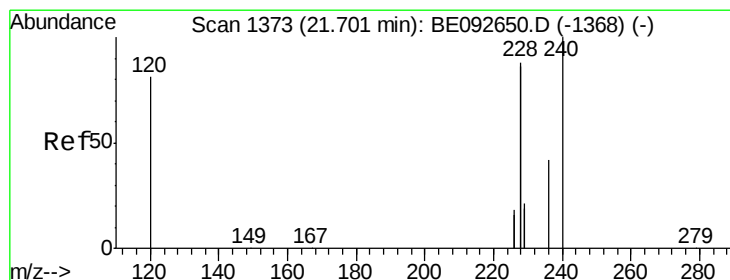
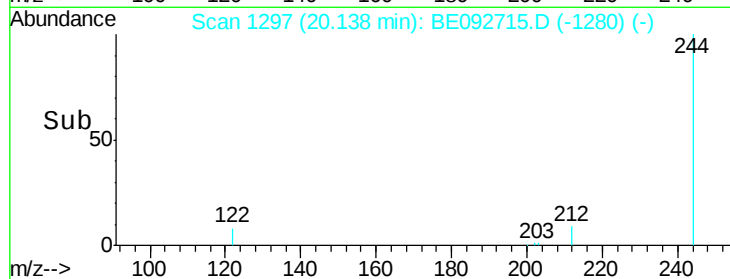
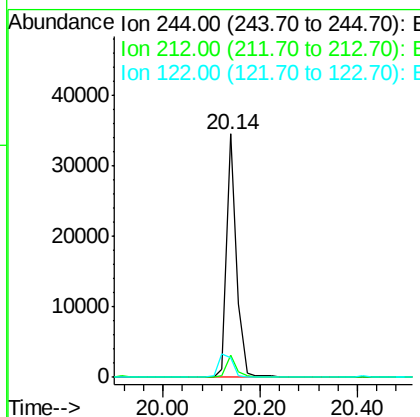
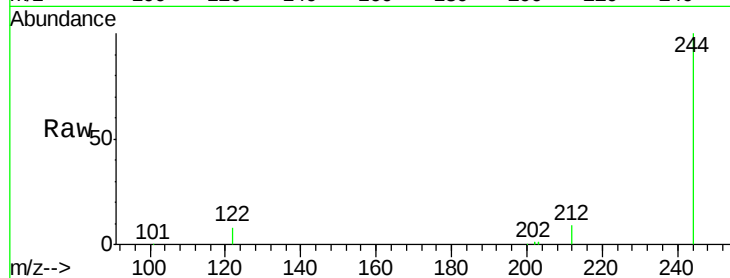
#26
 Terphenyl-d14
 Concen: 4.62 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092715.D
 Acq: 1 Feb 2017 15:05

Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	48639		
212	8.9	6.7	10.1	
122	8.0	3.6	5.4#	

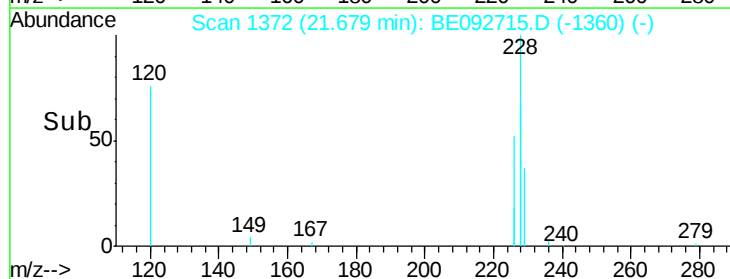
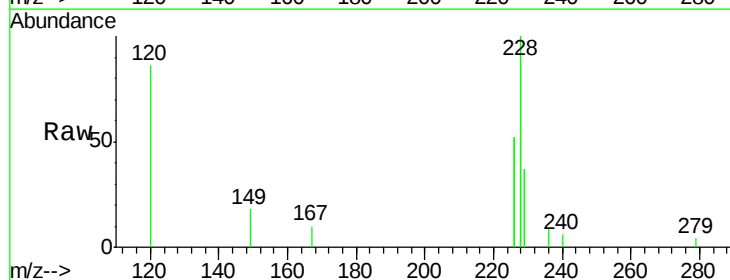
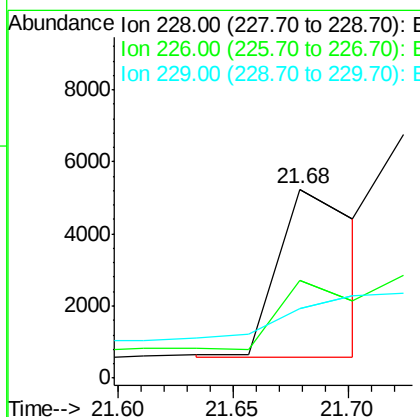
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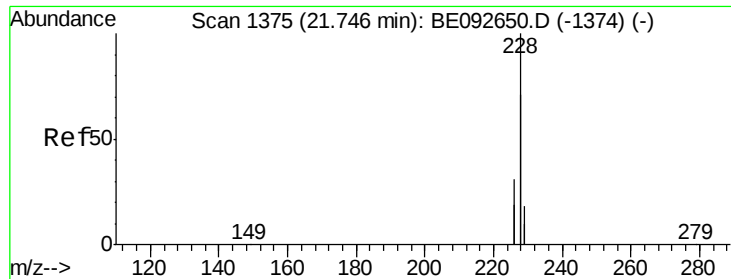
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#27
 Benzo(a)anthracene
 Concen: 0.16 ng m
 RT: 21.68 min Scan# 1372
 Delta R.T. -0.02 min
 Lab File: BE092715.D
 Acq: 1 Feb 2017 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	11549		
226	51.8	23.6	35.4#	
229	36.5	13.3	19.9#	





#28

Chrysene

Concen: 0.26 ng m

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

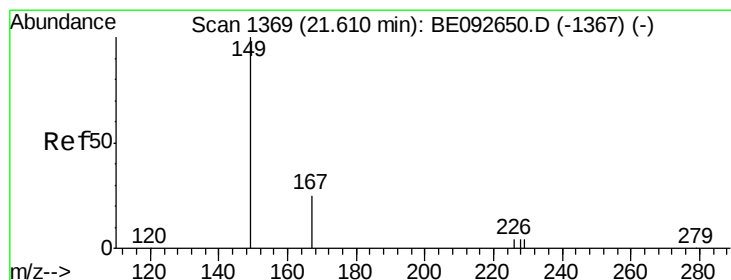
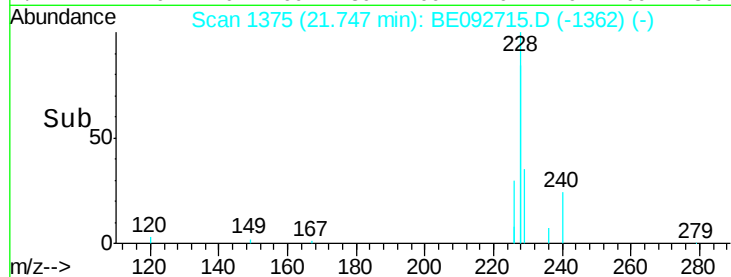
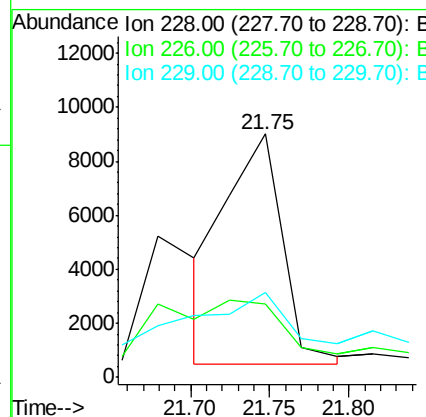
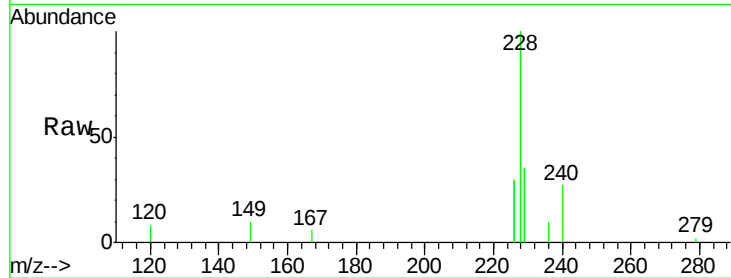
ClientSampleId :

SB-01A

Tgt Ion:	228	Resp:	21290
Ion Ratio	Lower	Upper	
228	100		
226	29.9	36.3	54.5#
229	34.8	10.6	16.0#

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#29

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng

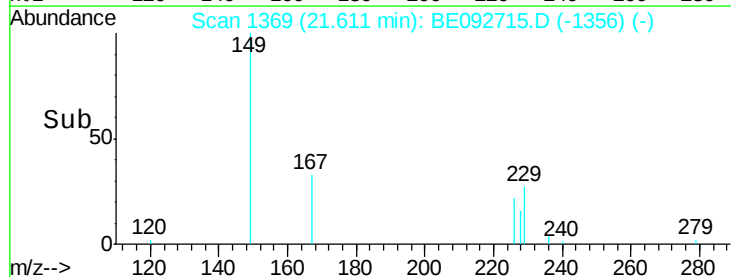
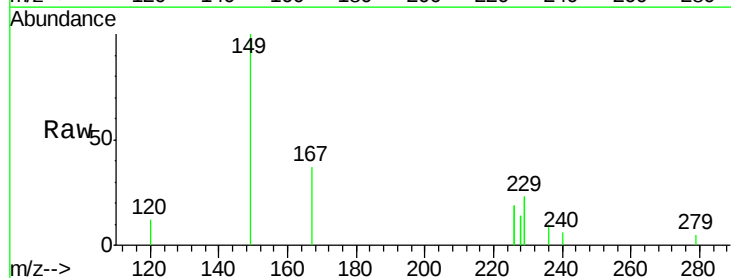
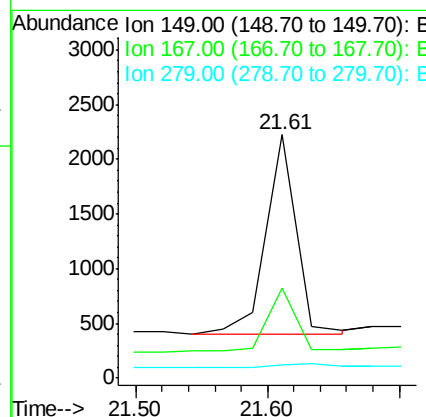
RT: 21.61 min Scan# 1369

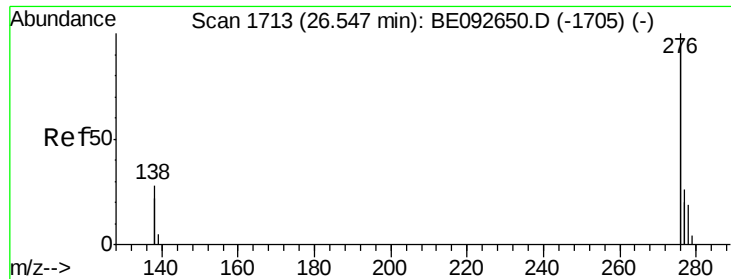
Delta R.T. 0.00 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Tgt Ion:	149	Resp:	2959
Ion Ratio	Lower	Upper	
149	100		
167	47.2	16.0	24.0#
279	0.0	16.0	24.0#





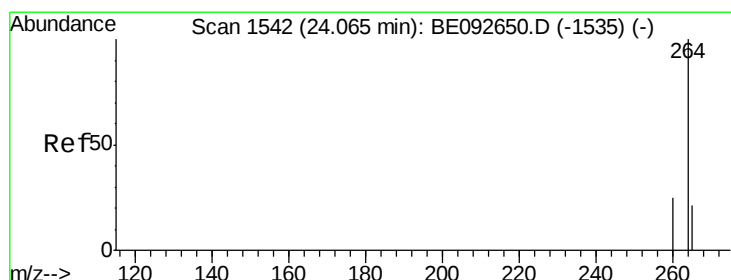
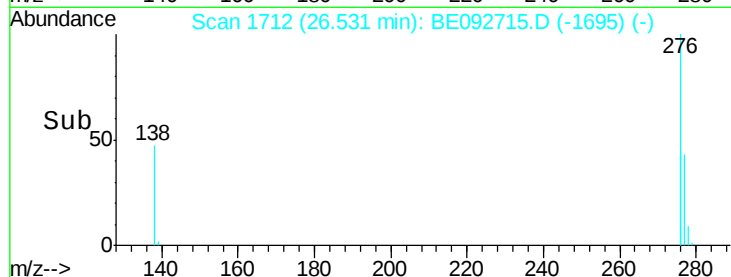
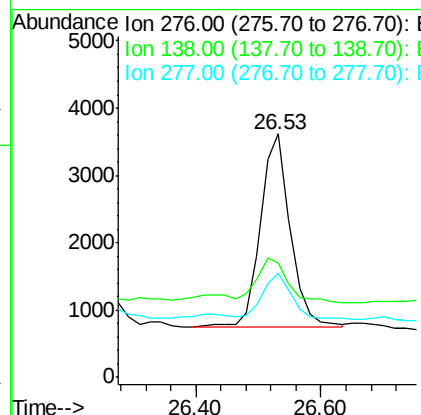
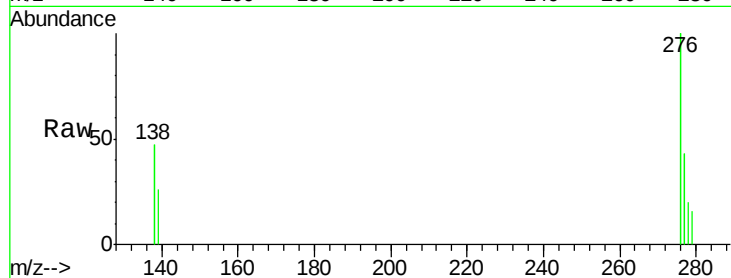
#30
Indeno(1,2,3-cd)pyrene
Concen: 0.11 ng
RT: 26.53 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE092715.D
Acq: 1 Feb 2017 15:05

Instrument :
BNA_E
ClientSampleID :
SB-01A

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.3	30.5
277	24.1	19.7	29.5

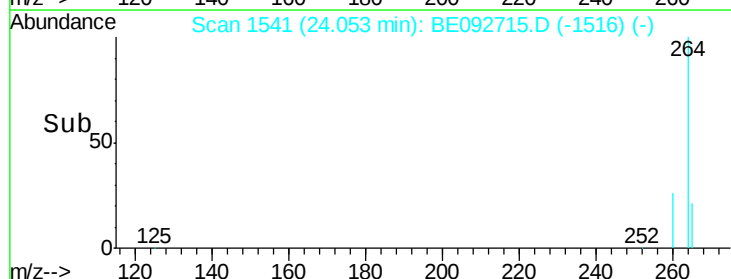
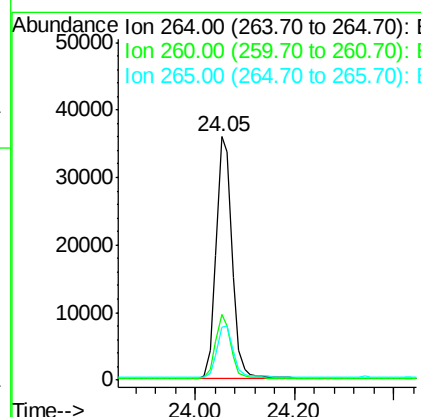
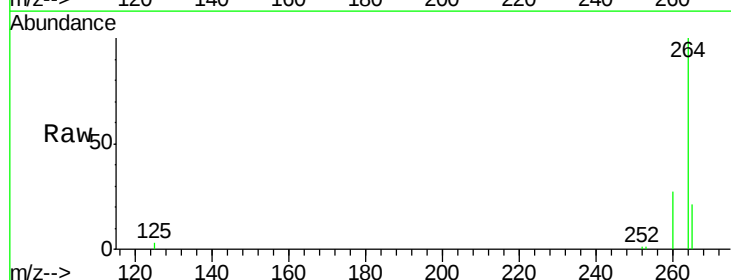
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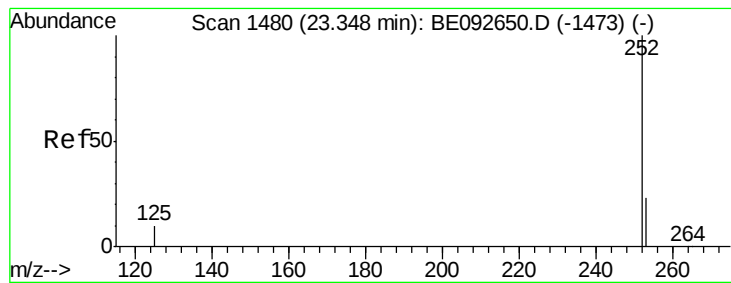
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.05 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BE092715.D
Acq: 1 Feb 2017 15:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.1	30.1
265	21.5	17.9	26.9





#32

Benzo(b)fluoranthene

Concen: 0.25 ng m

RT: 23.34 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

Instrument :

BNA_E

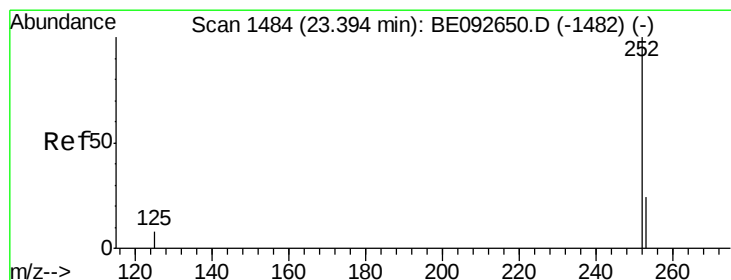
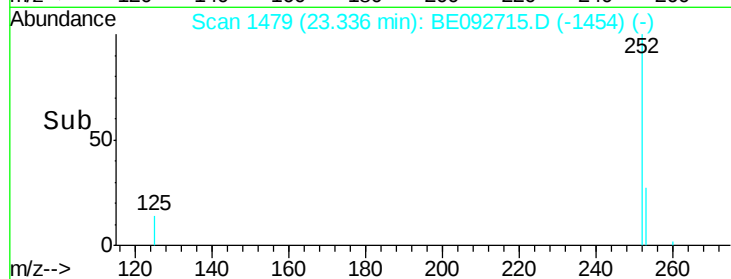
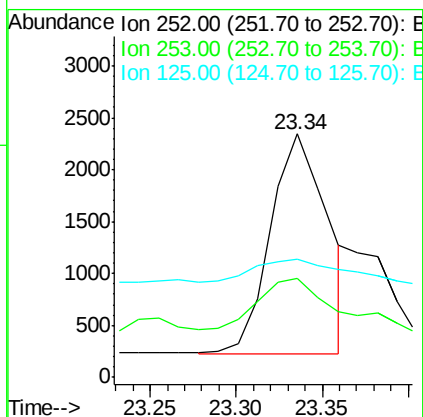
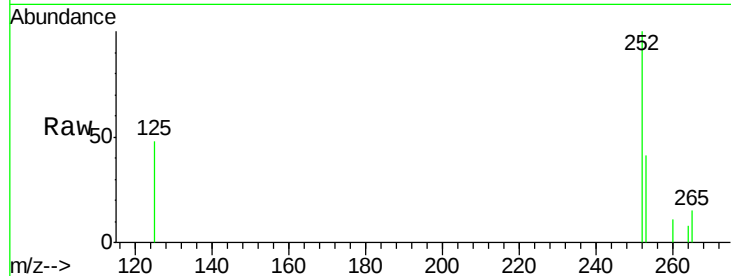
ClientSampled :

SB-01A

Tgt Ion:	252	Resp:	4870
Ion Ratio	Lower	Upper	
252	100		
253	40.9	18.7	28.1#
125	48.4	10.5	15.7#

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#33

Benzo(k)fluoranthene

Concen: 0.10 ng m

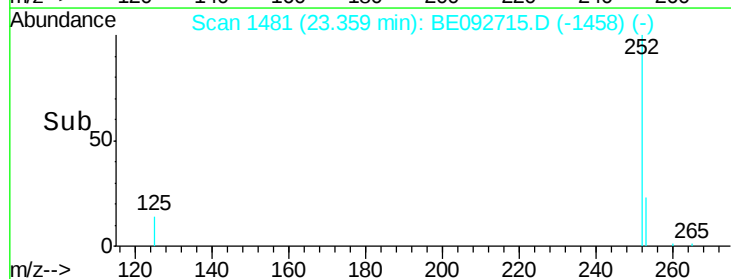
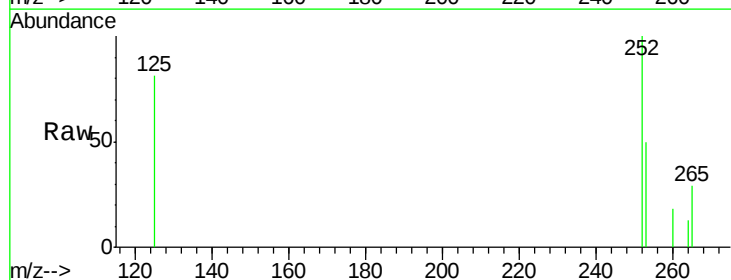
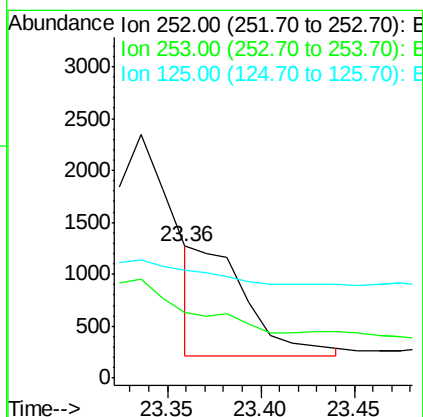
RT: 23.36 min Scan# 1481

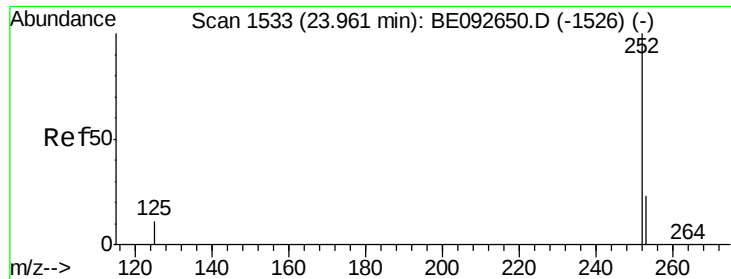
Delta R.T. -0.04 min

Lab File: BE092715.D

Acq: 1 Feb 2017 15:05

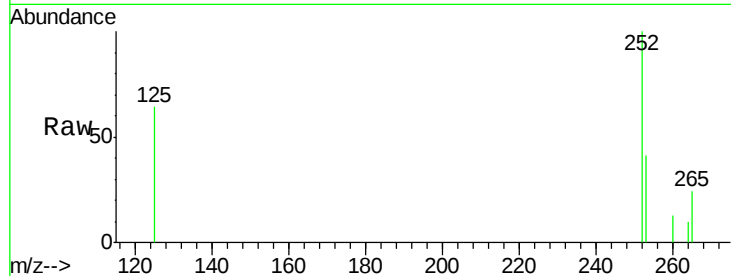
Tgt Ion:	252	Resp:	2036
Ion Ratio	Lower	Upper	
252	100		
253	49.9	20.3	30.5#
125	81.4	9.6	14.4#





#34
Benzo(a)pyrene
Concen: 0.18 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092715.D
Acq: 1 Feb 2017 15:05

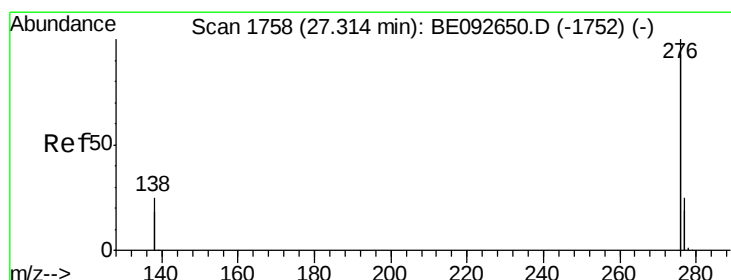
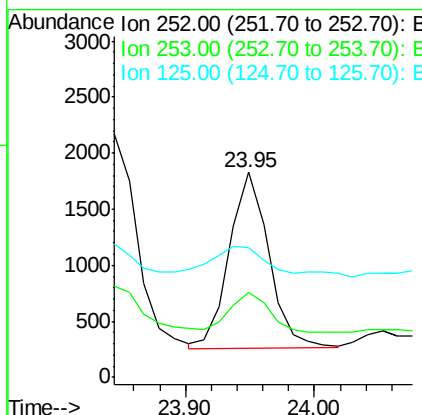
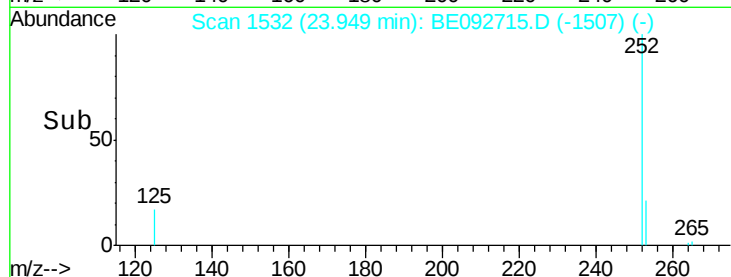
Instrument :
BNA_E
ClientSampleId :
SB-01A



Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.2	19.0	28.6#
125	63.6	11.8	17.8#

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#36
Benzo(g,h,i)perylene
Concen: 0.17 ng
RT: 27.30 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BE092715.D
Acq: 1 Feb 2017 15:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	41.6	19.8	29.8#
138	43.9	19.8	29.6#

