

Data Path : Z:\HPCHEM1\BNA E\DATA\BE030617\
 Data File : BE092787.D
 Acq On : 6 Mar 2017 14:39
 Operator : SJ/MA
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

mohammad
 3/7/2017 4:22:52 PM

Quant Time: Mar 06 15:32:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE030617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 06 11:46:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	10675	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	50814	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	34598	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	65043	5.00	ng	0.00
24) Chrysene-d12	21.68	240	85176	5.00	ng	-0.02
31) Perylene-d12	24.01	264	75760	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.59	112	26172	12.60	ng	-0.04
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	9.25	82	37277	13.17	ng	-0.07
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.36	172	84452	10.01	ng	-0.03
26) Terphenyl-d14	20.11	244	114618	10.54	ng	-0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.33	88	12464	8.22	ng	92
3) n-Nitrosodimethylamine	3.68	42	20111	12.73	ng	98
6) bis(2-Chloroethyl)ether	7.52	93	30734	10.90	ng	# 27
9) Naphthalene	10.91	128	109738	9.98	ng	# 95
10) Hexachlorobutadiene	11.20	225	15473	9.57	ng	99
11) 2-Methylnaphthalene	12.54	142	77120	11.16	ng	97
15) Acenaphthylene	14.46	152	565900	10.84	ng	100
16) Acenaphthene	14.81	154	81464	10.74	ng	95
17) Fluorene	15.80	166	106571	10.94	ng	100
19) Hexachlorobenzene	16.82	284	31347	12.48	ng	# 64
21) Phenanthrene	17.53	178	176845	11.44	ng	# 94
22) Anthracene	17.63	178	185219	13.02	ng	98
23) Fluoranthene	19.54	202	826531	12.47	ng	98
25) Pyrene	19.90	202	882944	10.89	ng	99
28) Chrysene	21.70	228	784689m	8.01	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	101030	8.81	ng	# 69
30) Indeno(1,2,3-cd)pyrene	26.44	276	879286	7.96	ng	97
32) Benzo(b)fluoranthene	23.29	252	219566	10.25	ng	# 96
33) Benzo(k)fluoranthene	23.34	252	198864	8.78	ng	94
34) Benzo(a)pyrene	23.90	252	198896	10.21	ng	# 95
35) Dibenzo(a,h)anthracene	26.46	278	185603	9.04	ng	93
36) Benzo(g,h,i)perylene	27.21	276	764098	8.80	ng	97

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

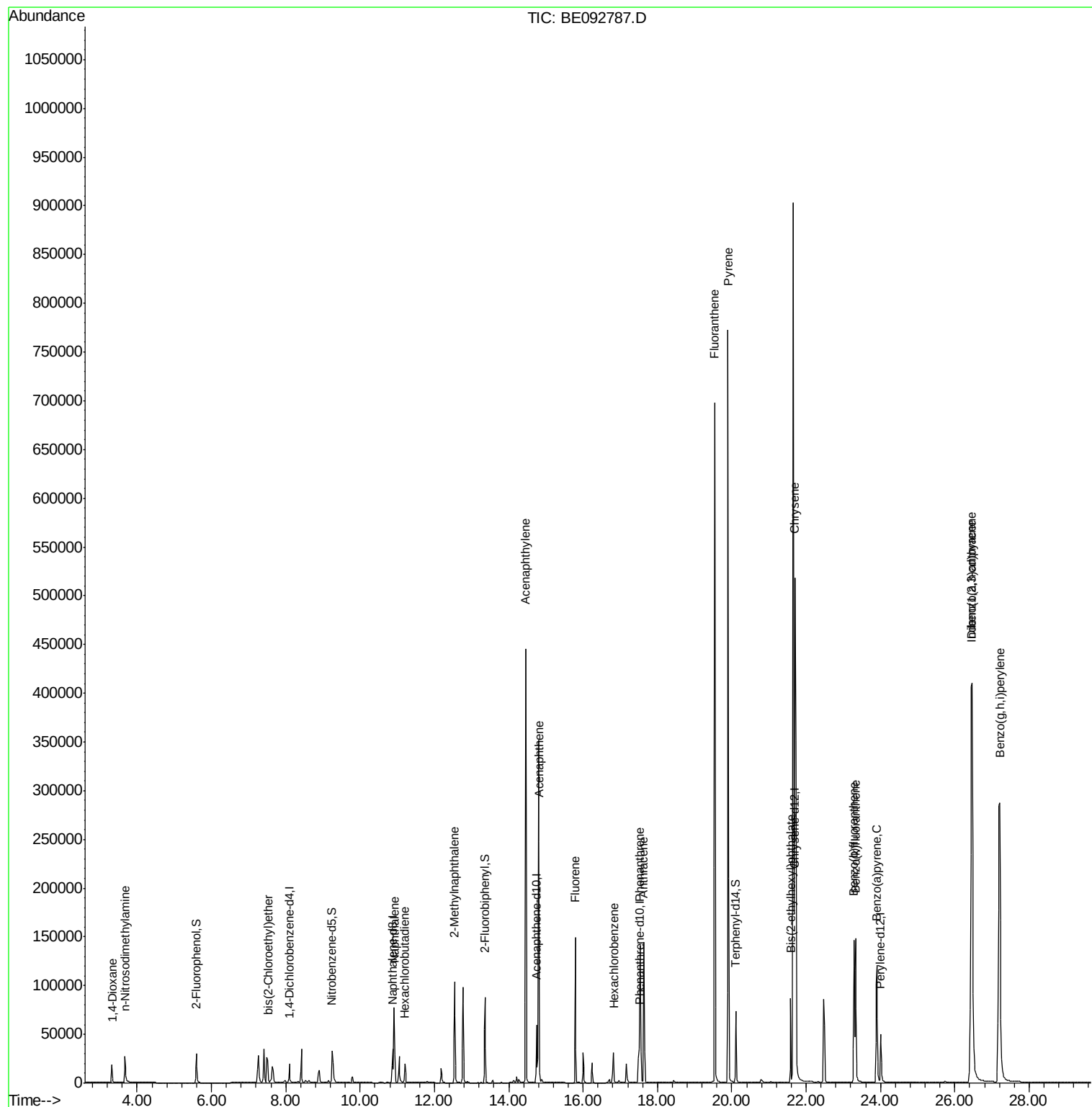
Data Path : Z:\HPCHEM1\BNA E\DATA\BE030617\
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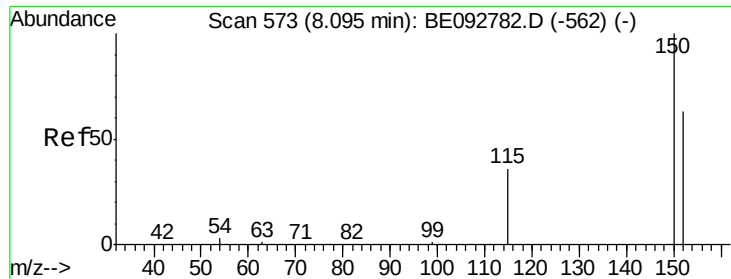
Instrument :
BNA_E
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.09 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

Tot Ion:152 Resp: 10675

Ion Ratio Lower Upper

152 100

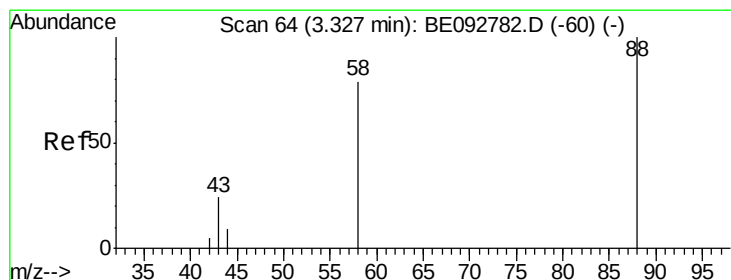
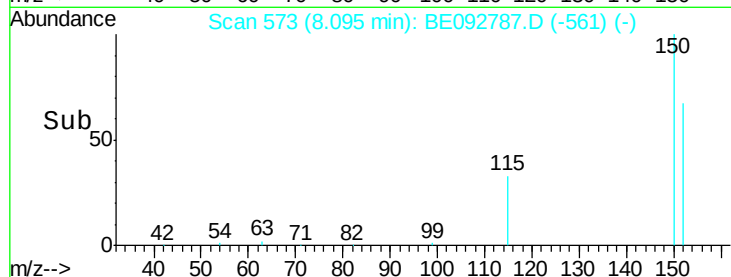
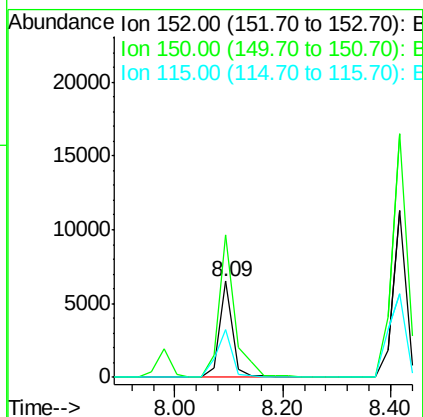
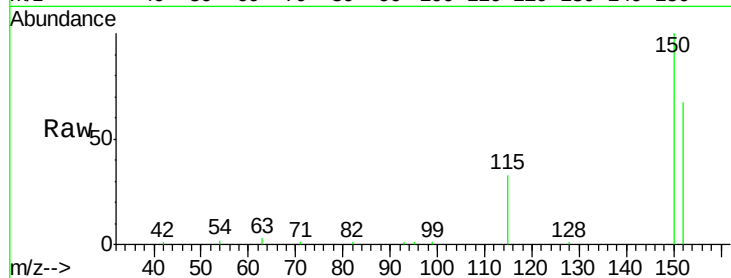
150 148.2 106.0 159.0

115 49.3 31.2 46.8#

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#2

1,4-Dioxane

Concen: 8.22 ng

RT: 3.33 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

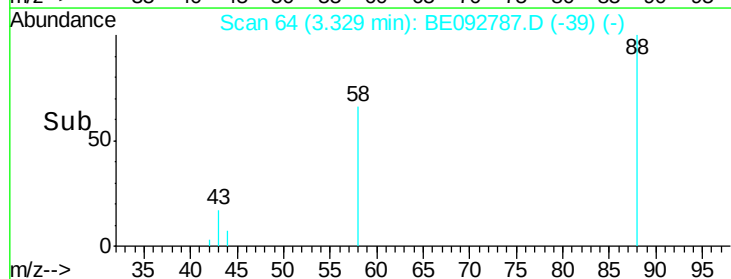
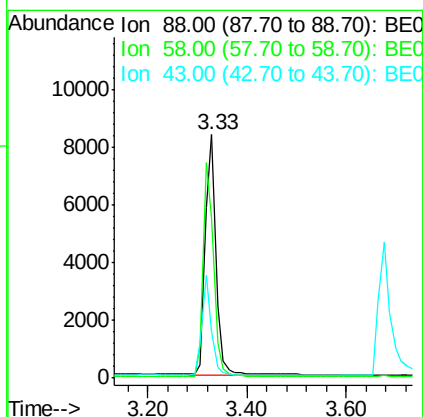
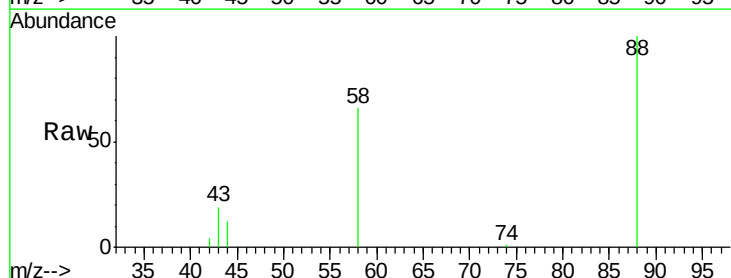
Tgt Ion: 88 Resp: 12464

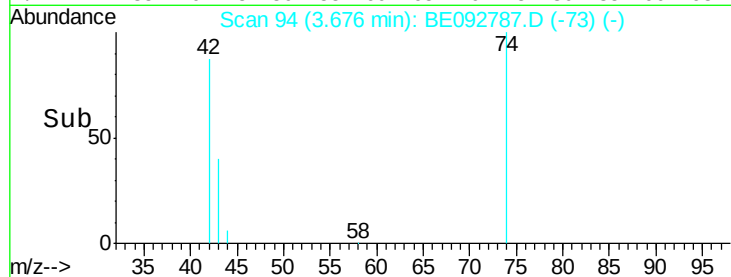
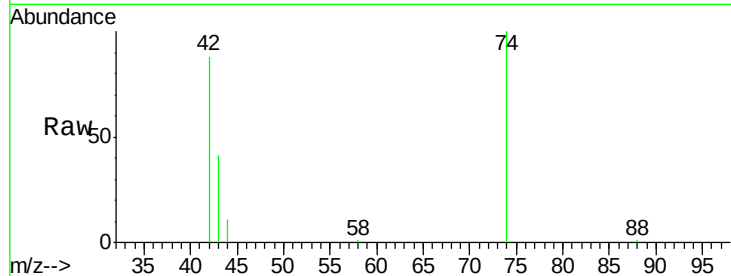
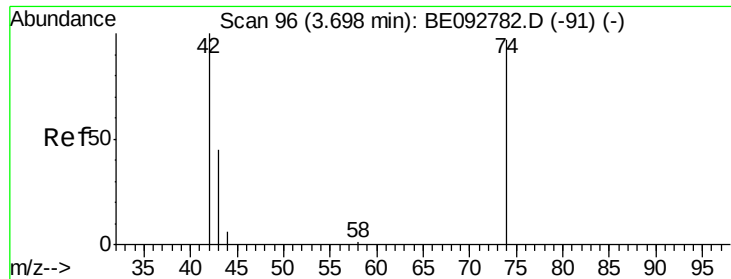
Ion Ratio Lower Upper

88 100

58 88.1 63.6 95.4

43 36.9 28.0 42.0





#3

n-Nitrosodimethylamine

Concen: 12.73 ng

RT: 3.68 min Scan# 94

Delta R.T. -0.06 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tot Ion:	42	Resp:	20111
Ion Ratio	Lower	Upper	
42	100		
74	105.1	86.0	129.0
44	6.2	5.1	7.7

Instrument :

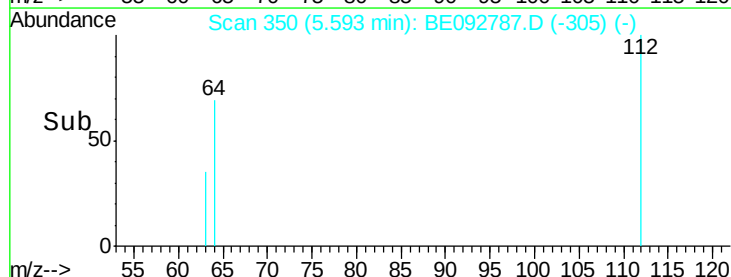
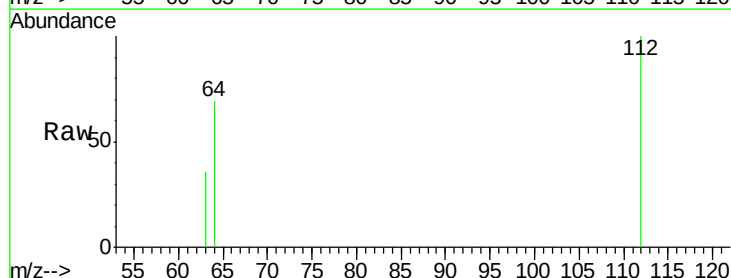
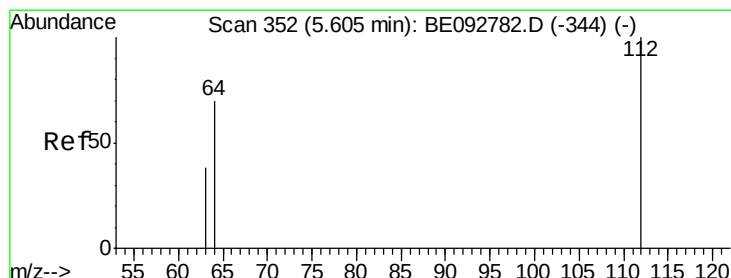
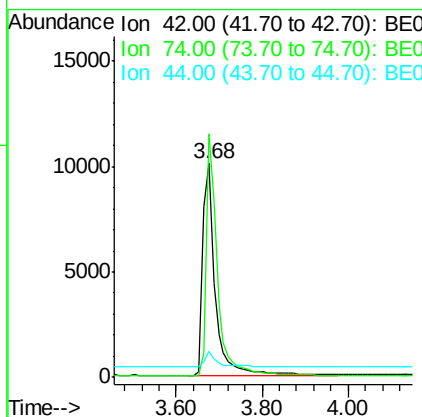
BNA_E

ClientSampleId :

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#4

2-Fluorophenol

Concen: 12.60 ng

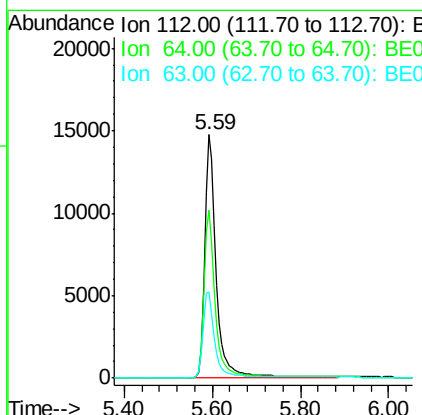
RT: 5.59 min Scan# 350

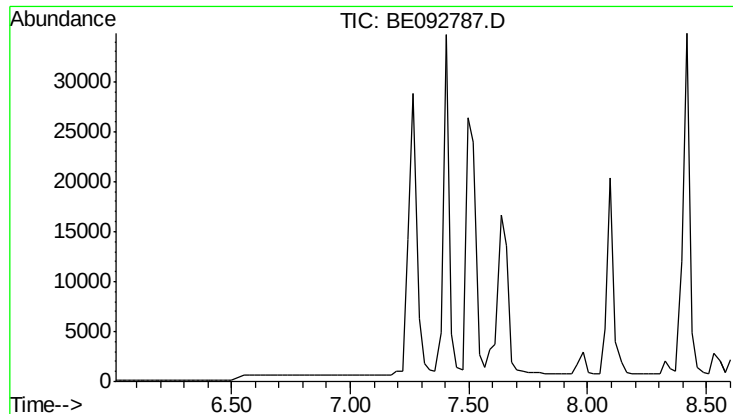
Delta R.T. -0.04 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tgt Ion:	112	Resp:	26172
Ion Ratio	Lower	Upper	
112	100		
64	68.6	53.5	80.3
63	36.5	27.9	41.9





#5

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.31 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tot Ion: 99

Sig Exp Ratio

99 100

42 20.0

71 38.2

Instrument :

BNA_E

ClientSampleId :

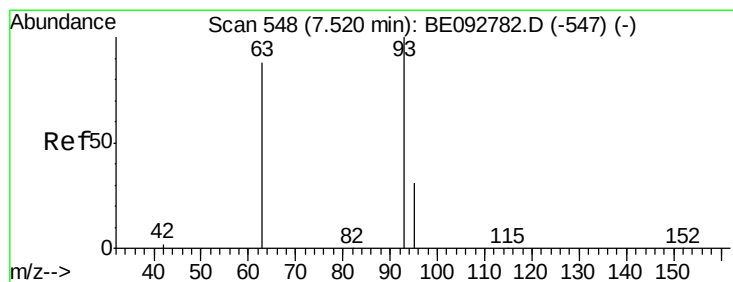
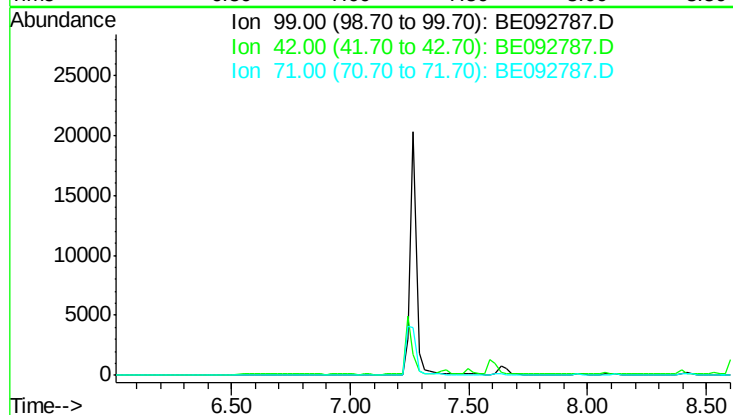
SSTDICC010

Manual Integrations

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#6

bis(2-Chloroethyl)ether

Concen: 10.90 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

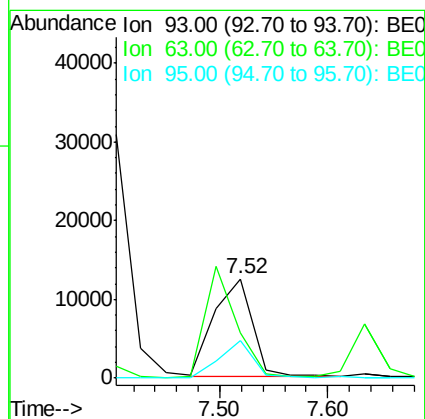
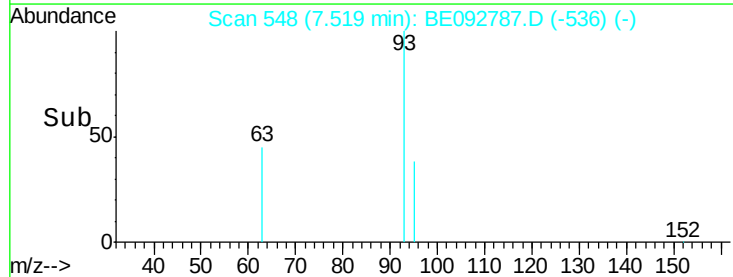
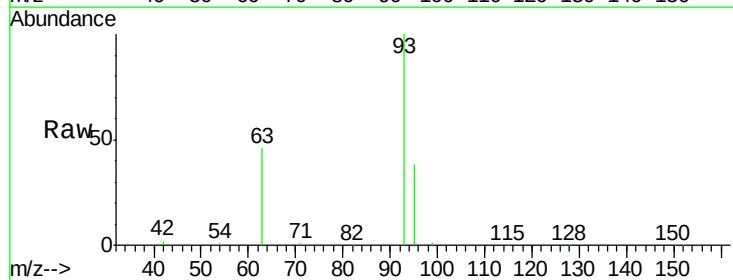
Tgt Ion: 93 Resp: 30734

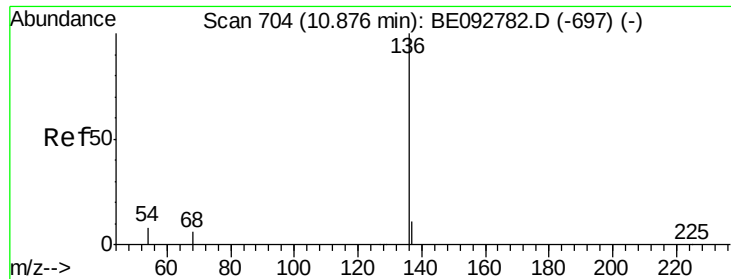
Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 33.9 24.0 36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

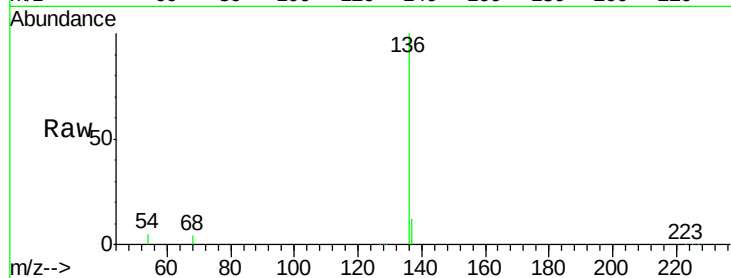
ClientSampleId :

SSTDICC010

Tot Ion:	136	Resp:	50814
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.2	12.4
54	5.3	9.6	14.4#
68	4.3	6.7	10.1#

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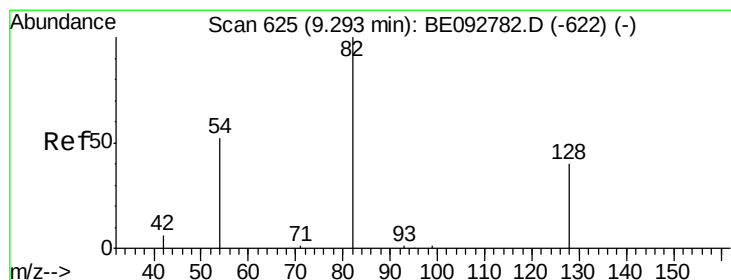
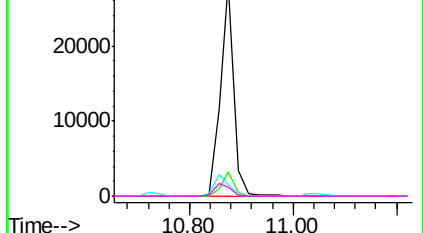
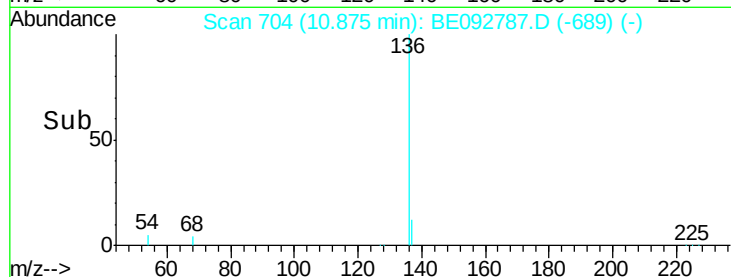


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 13.17 ng

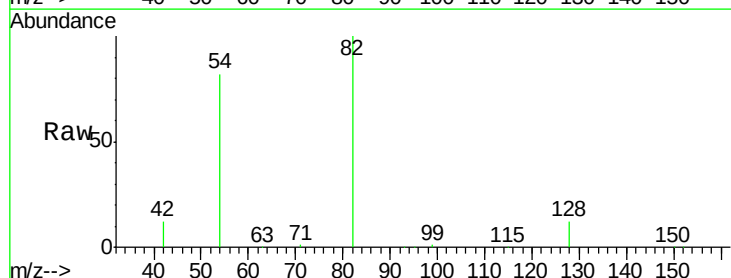
RT: 9.25 min Scan# 623

Delta R.T. -0.07 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

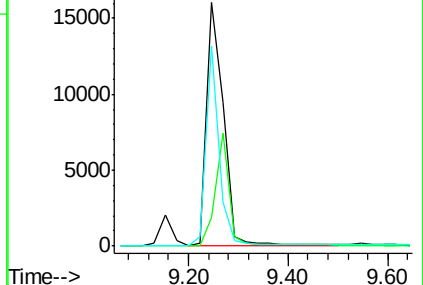
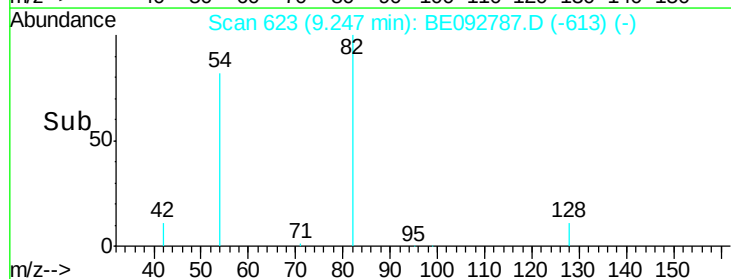
Tgt Ion:	82	Resp:	37277
Ion Ratio	Lower	Upper	
82	100		
128	11.6	39.0	58.4#
54	82.1	44.8	67.2#

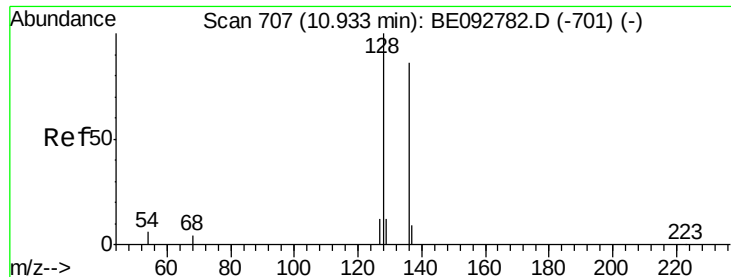


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 9.98 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

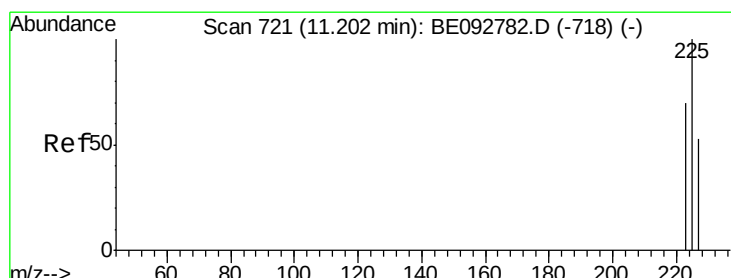
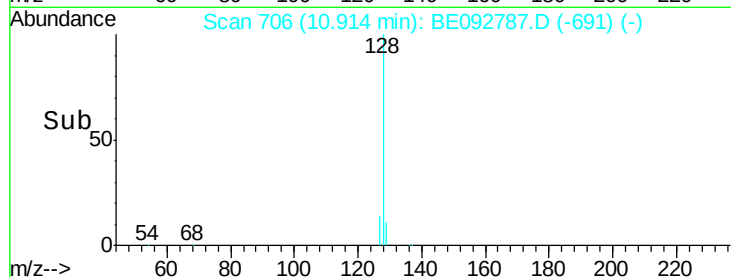
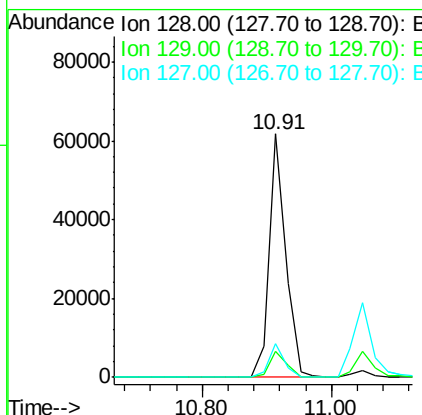
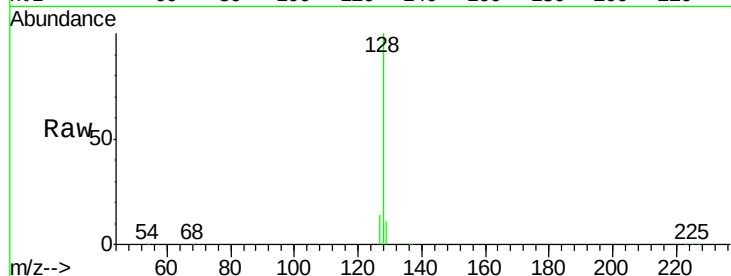
ClientSampleId :

SSTDIC010

Tot Ion:	128	Resp:	109738
Ion Ratio	Lower	Upper	
128	100		
129	10.7	11.2	16.8#
127	13.6	11.6	17.4

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 9.57 ng

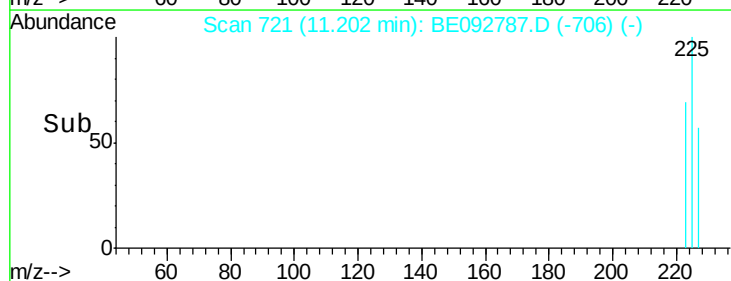
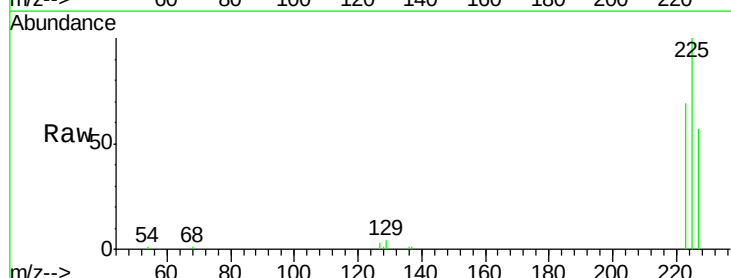
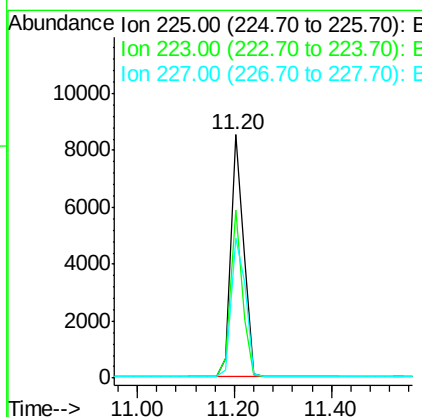
RT: 11.20 min Scan# 721

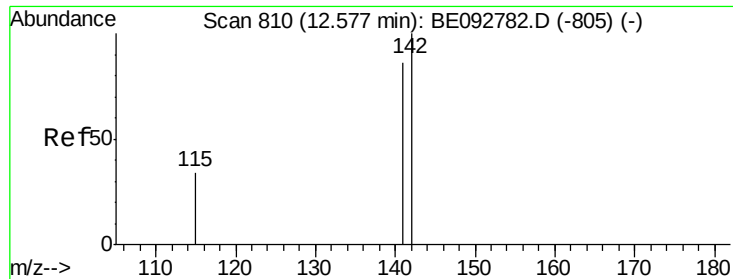
Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tgt Ion:	225	Resp:	15473
Ion Ratio	Lower	Upper	
225	100		
223	63.8	50.6	76.0
227	63.9	51.4	77.0





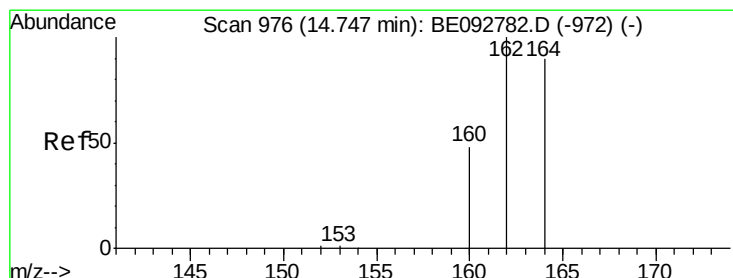
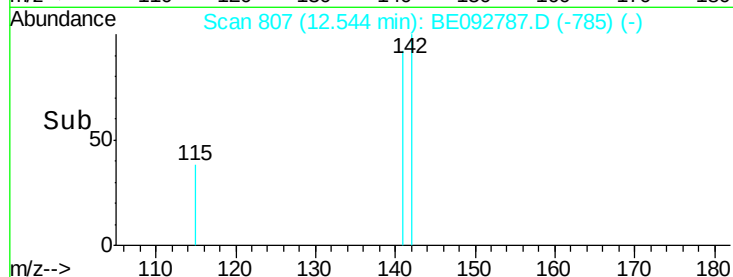
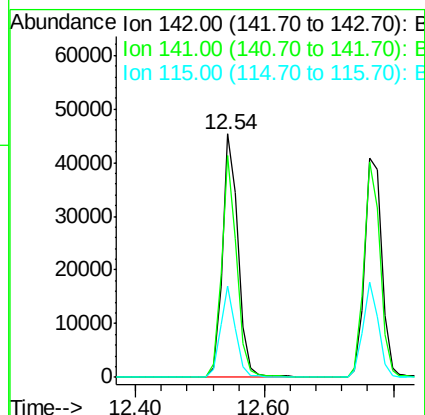
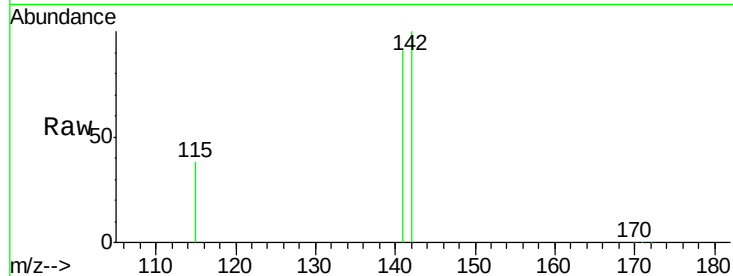
#11
2-Methylnaphthalene
Concen: 11.16 ng
RT: 12.54 min Scan# 807
Delta R.T. -0.05 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion:142 Resp: 77120
Ion Ratio Lower Upper
142 100
141 91.4 73.7 110.5
115 37.7 34.0 51.0

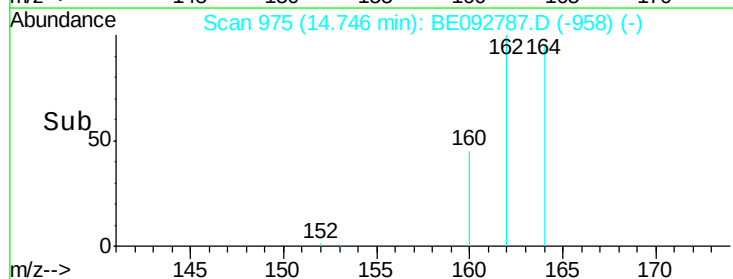
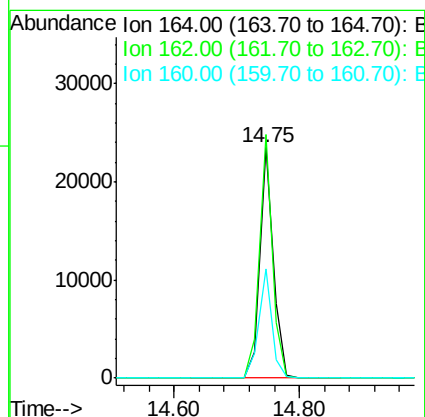
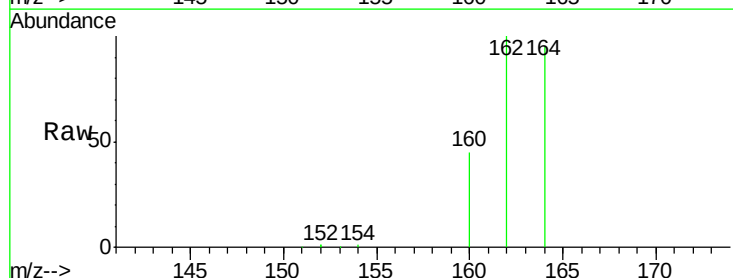
Manual Integrations
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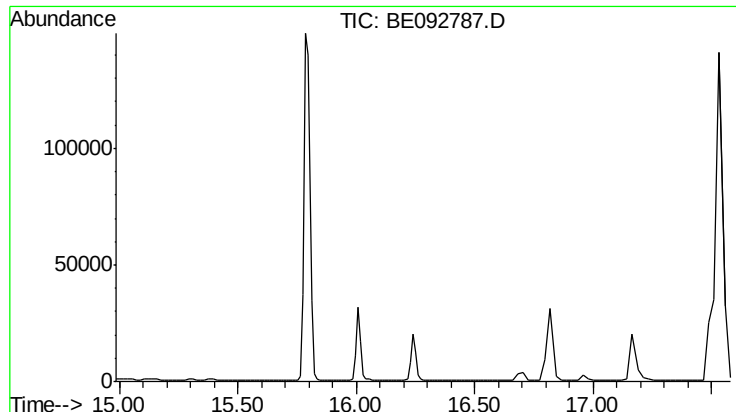
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.75 min Scan# 975
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Tgt Ion:164 Resp: 34598
Ion Ratio Lower Upper
164 100
162 105.8 71.4 107.0
160 47.4 27.4 41.2#





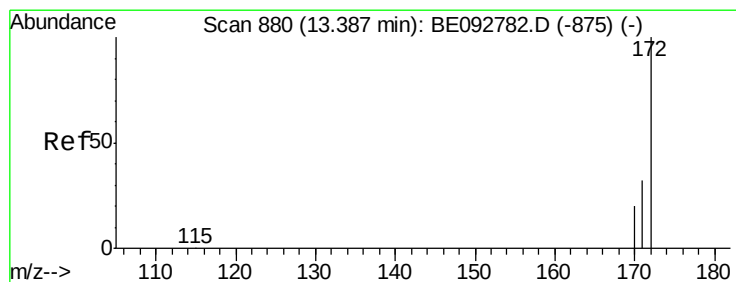
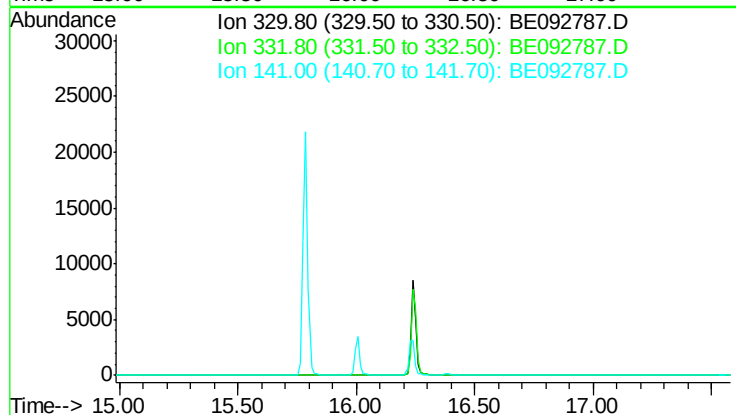
#13
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 16.28 min
 Lab File: BE092787.D
 Acq: 6 Mar 2017 14:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

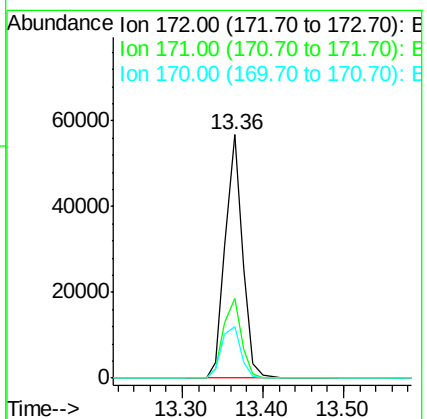
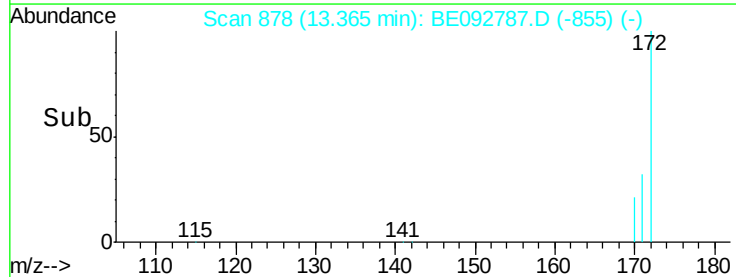
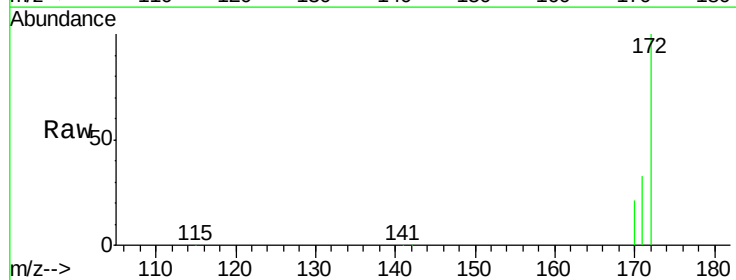
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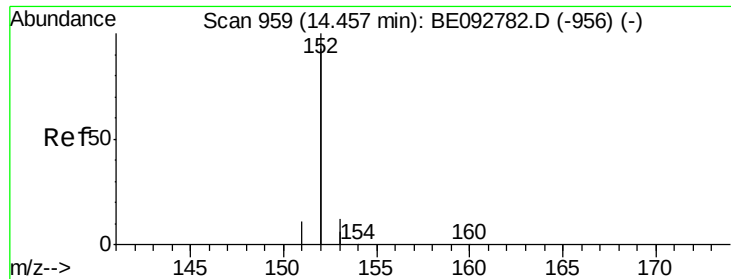
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 94.2
 141 38.8



#14
 2-Fluorobiphenyl
 Concen: 10.01 ng
 RT: 13.36 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: BE092787.D
 Acq: 6 Mar 2017 14:39

Tgt Ion: 172 Resp: 84452
 Ion Ratio Lower Upper
 172 100
 171 32.5 30.1 45.1
 170 21.1 21.8 32.6#





#15

Acenaphthylene

Concen: 10.84 ng

RT: 14.46 min Scan# 958

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

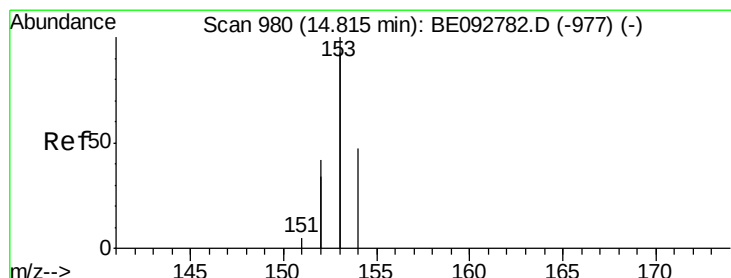
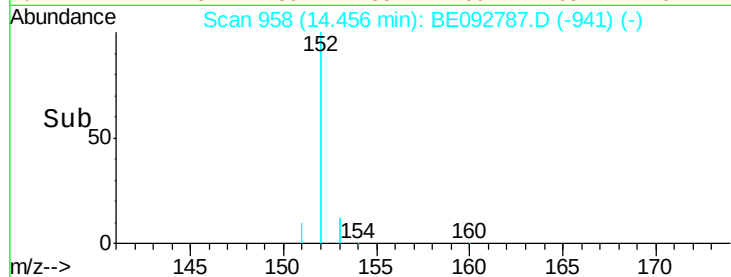
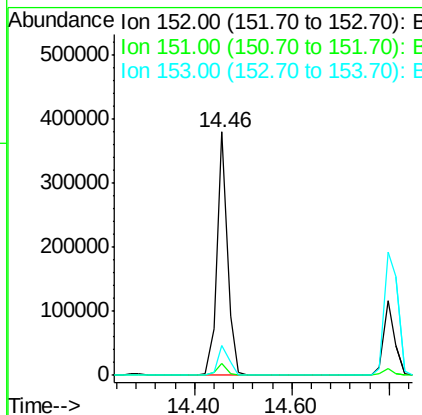
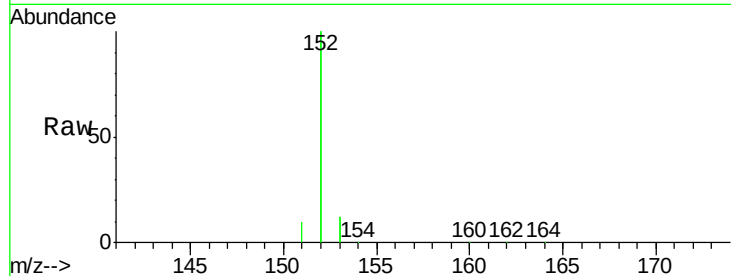
ClientSampleId :

SSTDICC010

Tot Ion:	152	Resp:	565900
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.9	5.9
153	13.1	10.4	15.6

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#16

Acenaphthene

Concen: 10.74 ng

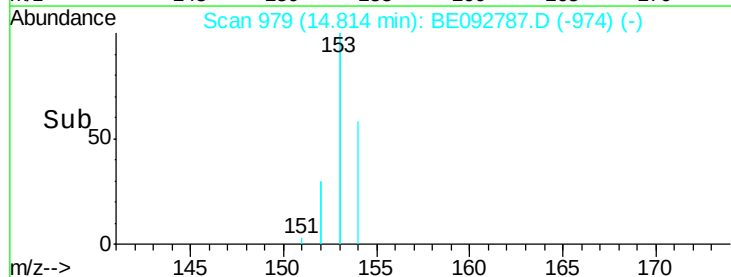
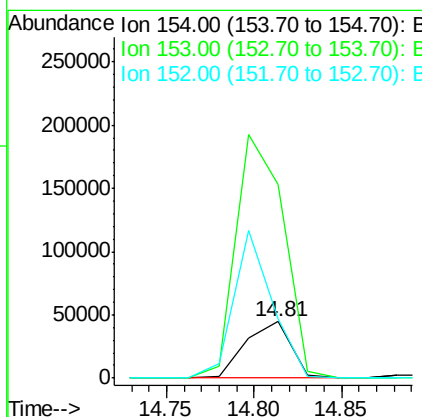
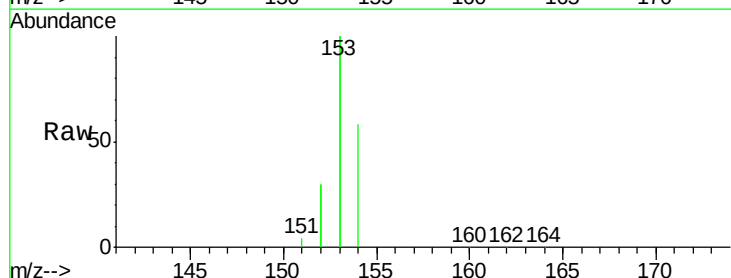
RT: 14.81 min Scan# 979

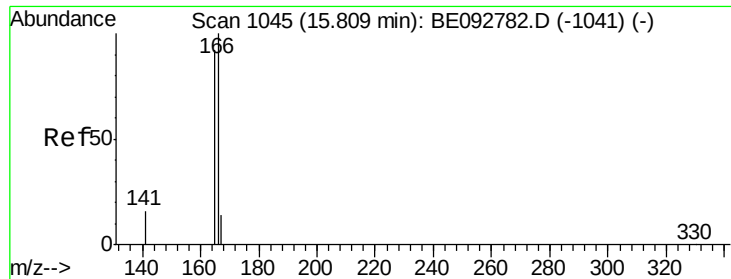
Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tgt Ion:	154	Resp:	81464
Ion Ratio	Lower	Upper	
154	100		
153	453.1	350.8	526.2
152	220.1	171.1	256.7





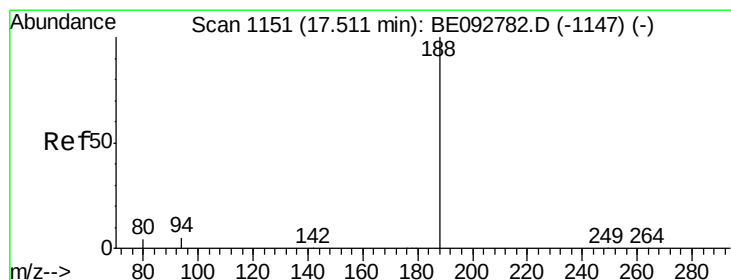
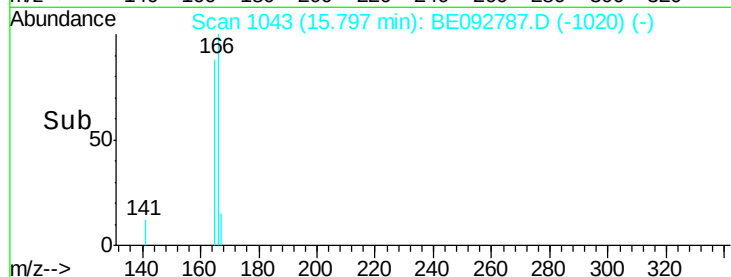
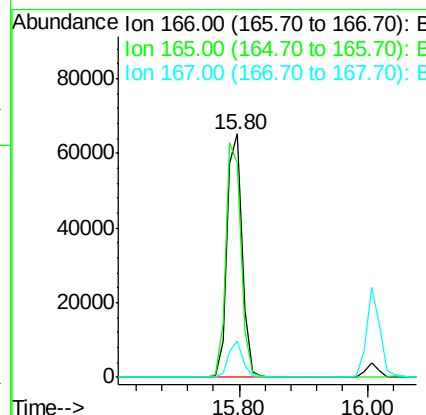
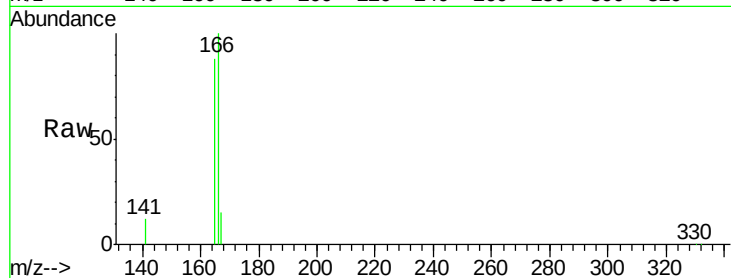
#17
Fluorene
Concen: 10.94 ng
RT: 15.80 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.4
167	13.6	11.0	16.4

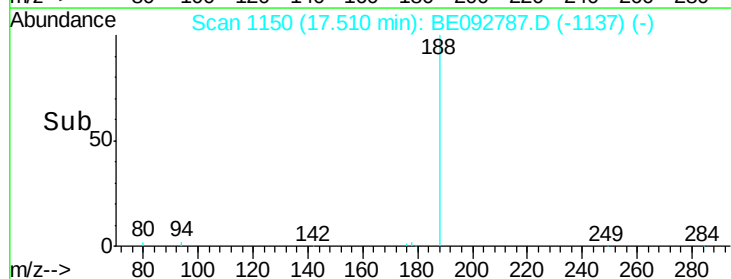
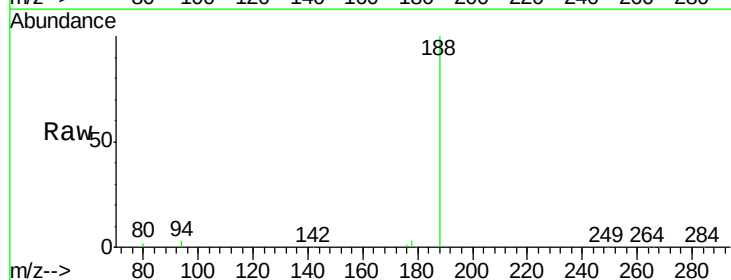
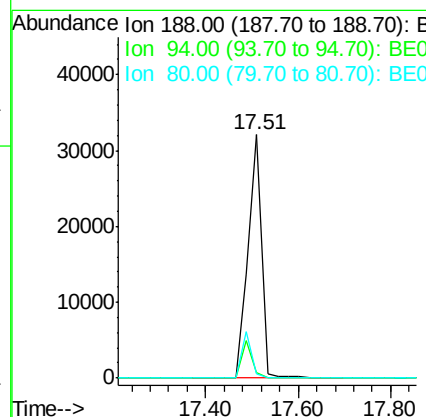
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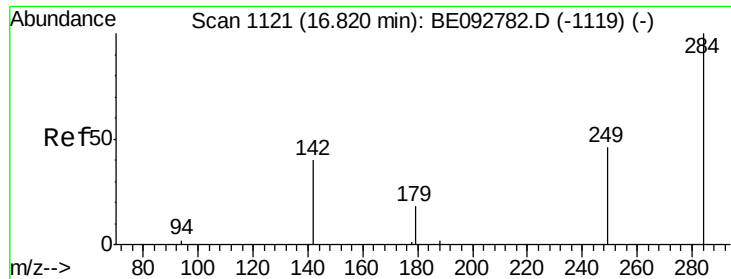
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.5	3.2	4.8#
80	2.0	2.6	3.8#





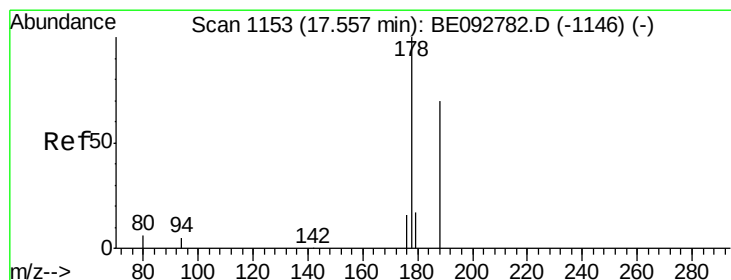
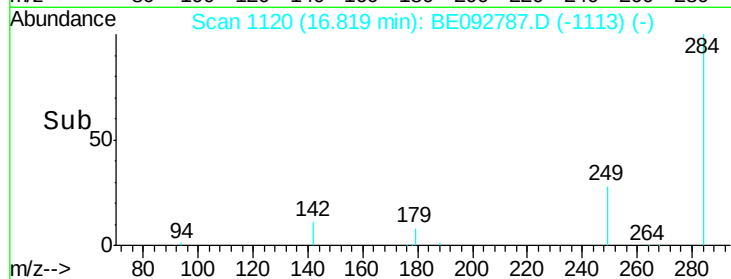
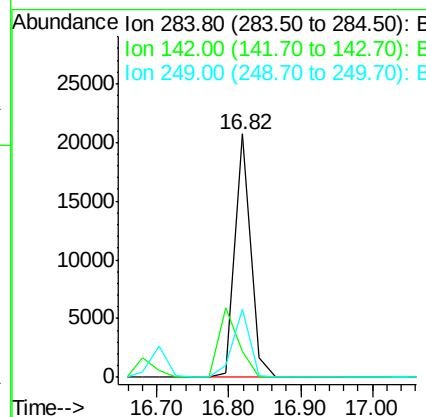
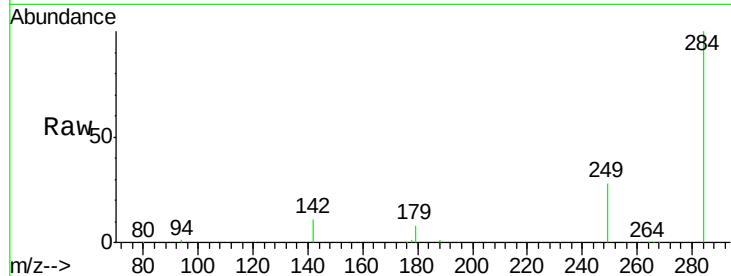
#19
Hexachlorobenzene
Concen: 12.48 ng
RT: 16.82 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.9	27.9	41.9

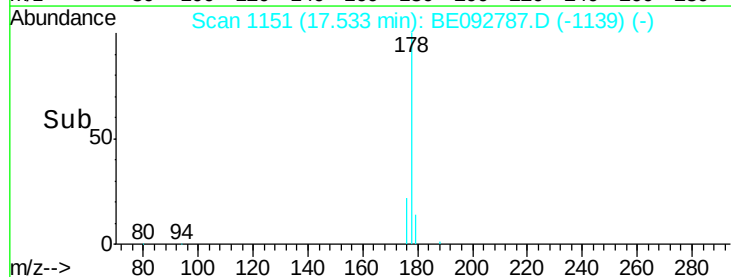
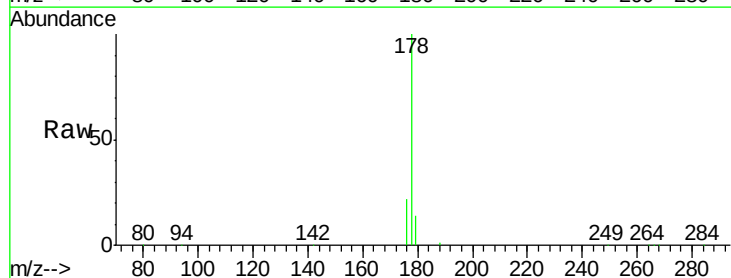
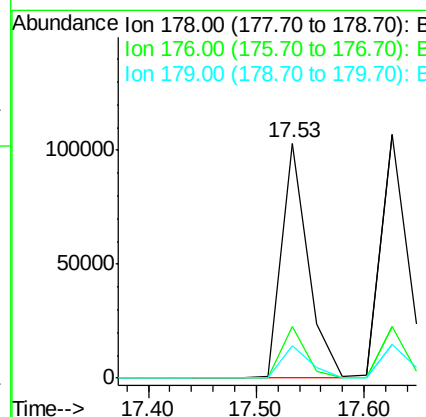
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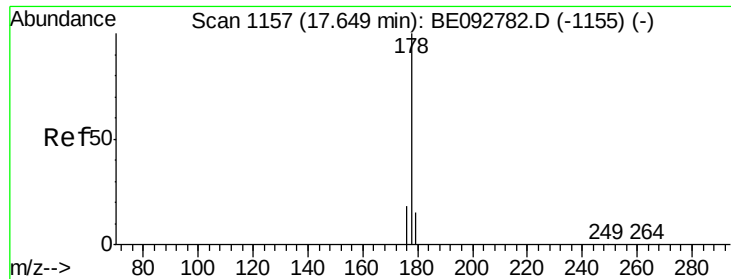
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#21
Phenanthrene
Concen: 11.44 ng
RT: 17.53 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	15.0	16.0	24.0#





#22

Anthracene

Concen: 13.02 ng

RT: 17.63 min Scan# 1155

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

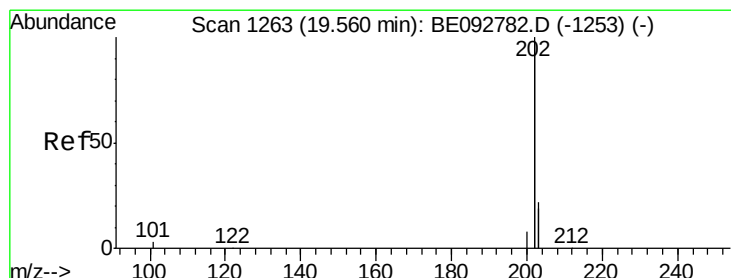
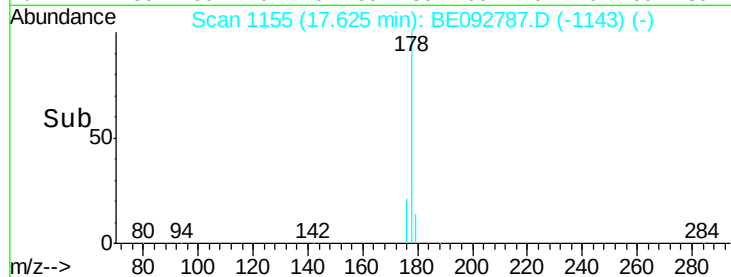
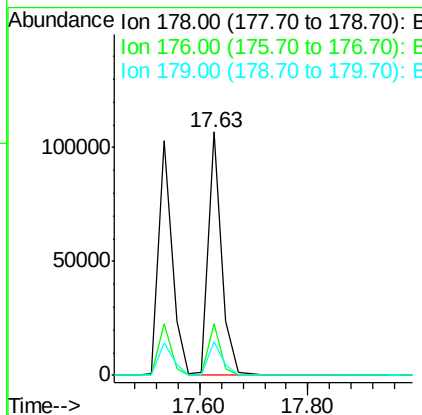
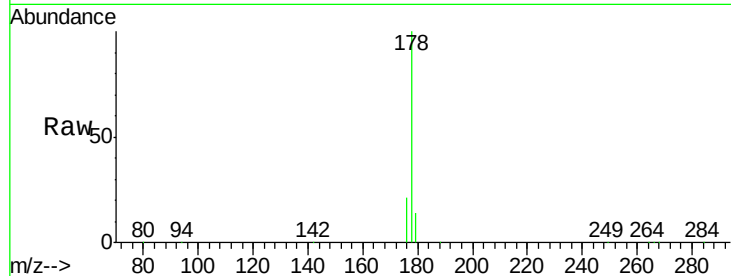
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.0	22.4
179	14.9	12.2	18.2

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#23

Fluoranthene

Concen: 12.47 ng

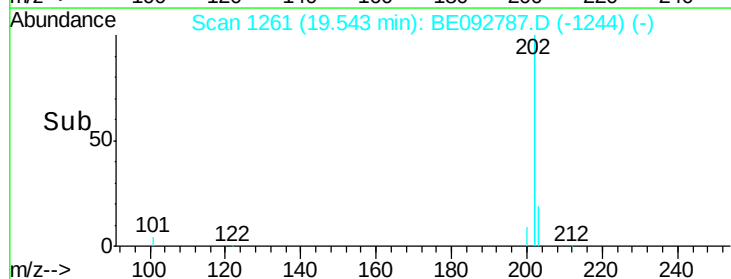
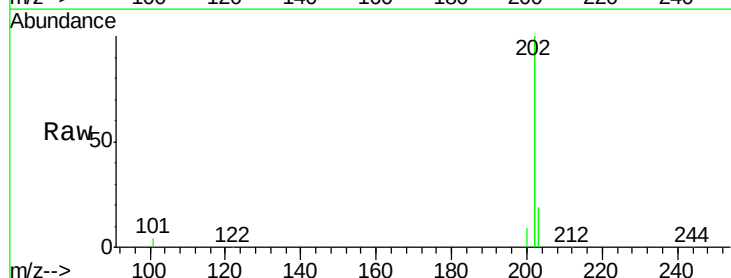
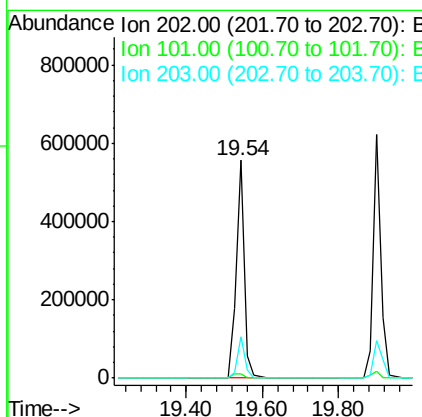
RT: 19.54 min Scan# 1261

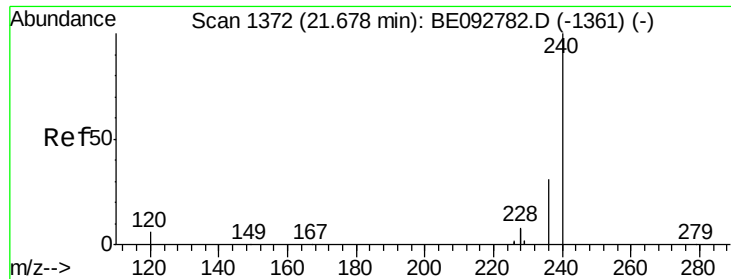
Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.8	13.7	20.5





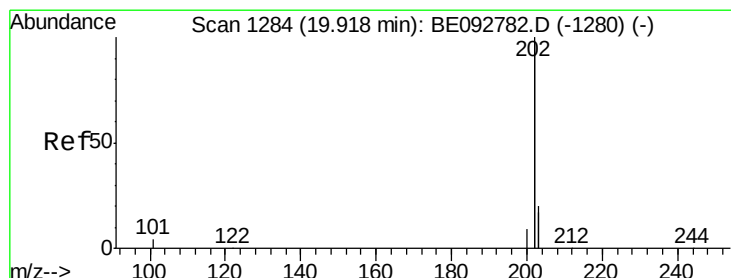
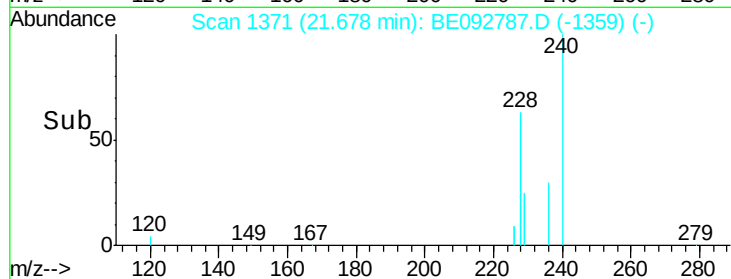
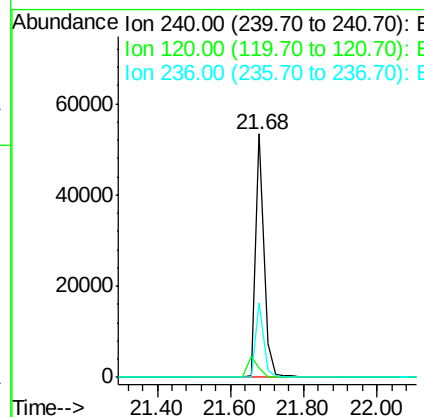
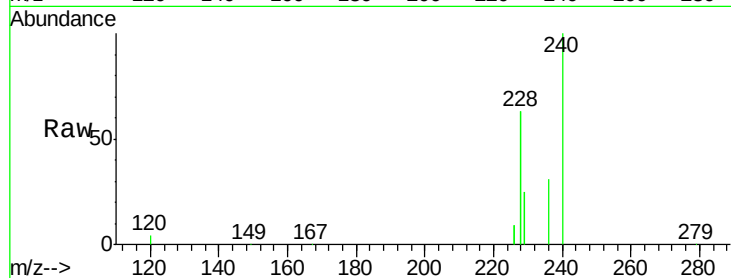
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.68 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.0	2.6	4.0#
236	30.5	24.6	37.0

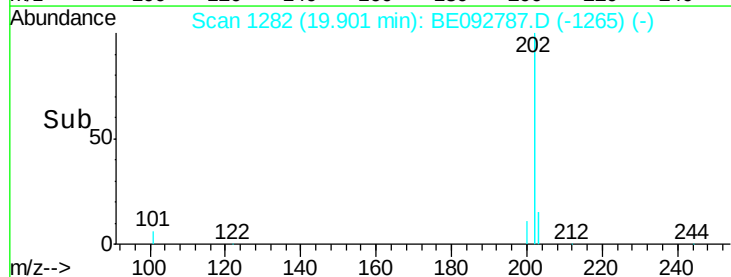
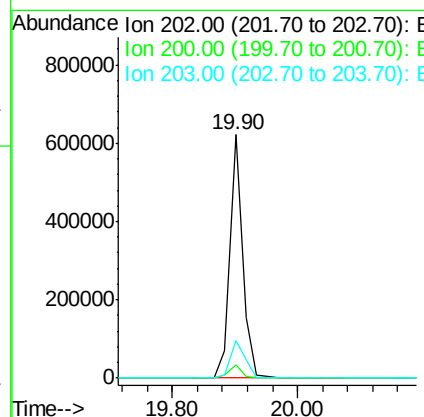
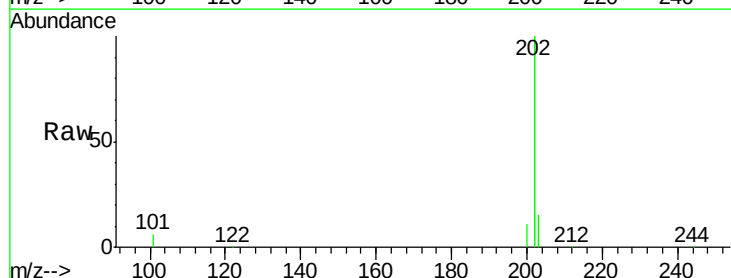
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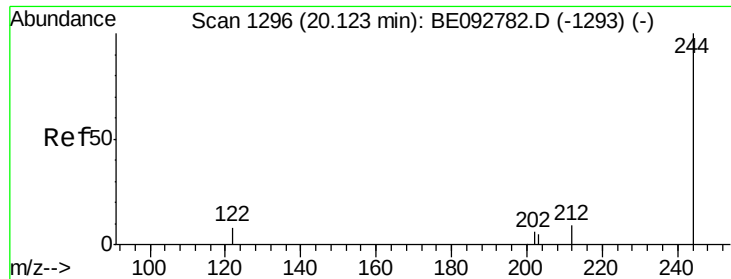
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#25
Pyrene
Concen: 10.89 ng
RT: 19.90 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.7	13.9	20.9





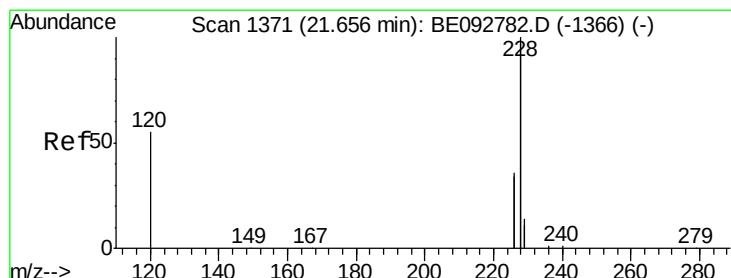
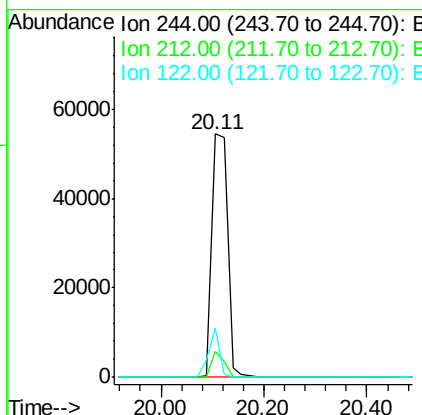
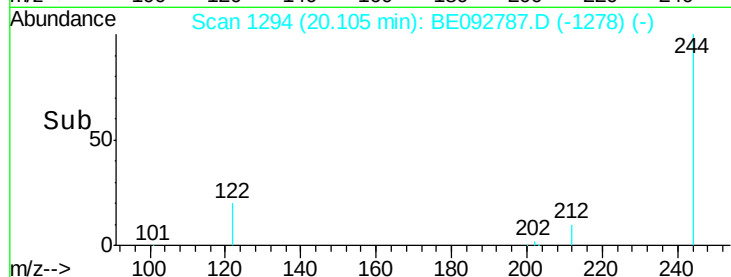
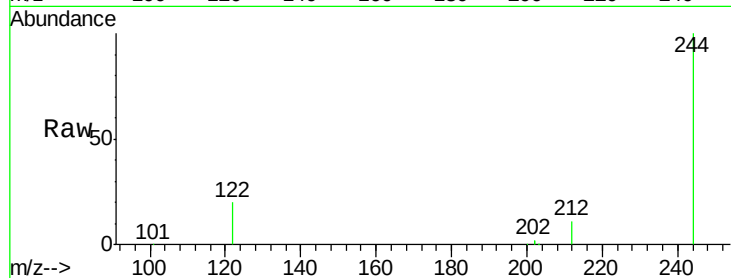
#26
 Terphenyl-d14
 Concen: 10.54 ng
 RT: 20.11 min Scan# 1294
 Delta R.T. -0.03 min
 Lab File: BE092787.D
 Acq: 6 Mar 2017 14:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.7	10.1
122	20.2	3.6	5.4

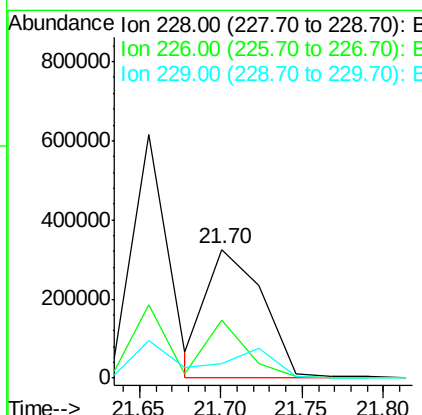
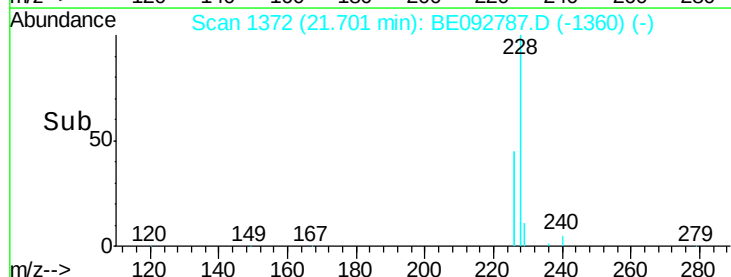
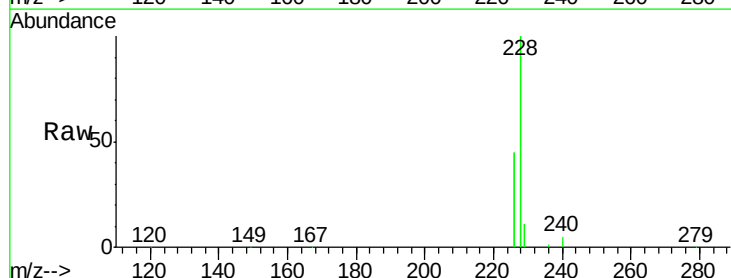
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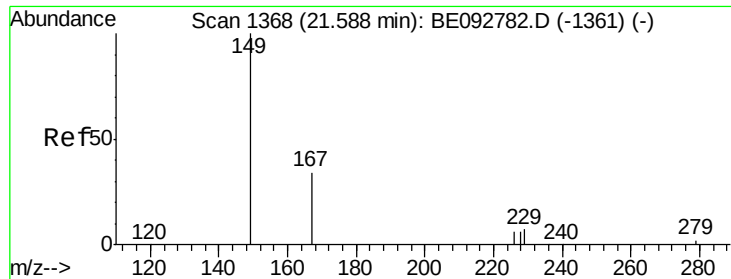
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#28
 Chrysene
 Concen: 8.01 ng m
 RT: 21.70 min Scan# 1372
 Delta R.T. -0.02 min
 Lab File: BE092787.D
 Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.3	36.3	54.5
229	11.0	10.6	16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 8.81 ng

RT: 21.59 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

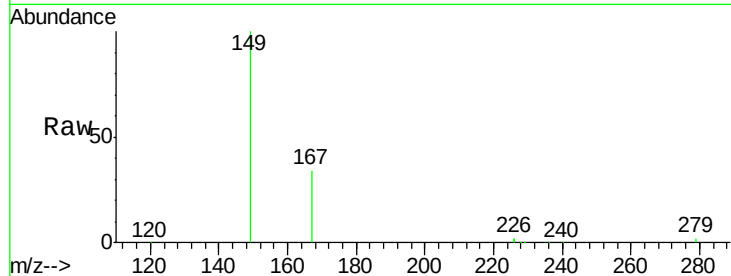
ClientSampleId :

SSTDICC010

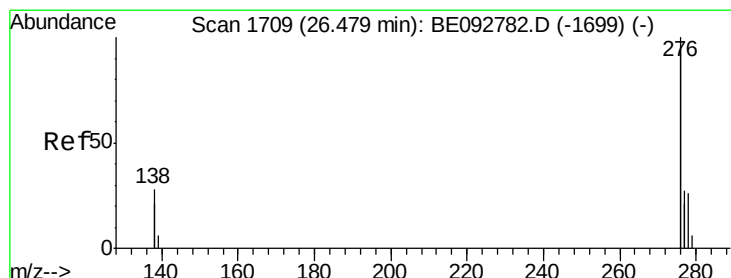
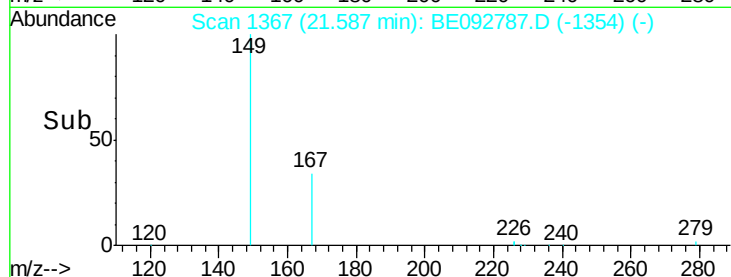
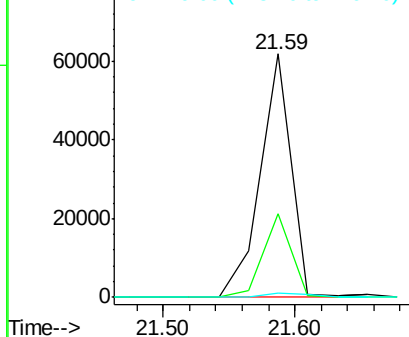
Tot Ion:	149	Resp:	101030
Ion Ratio		Lower	Upper
149	100		
167	31.2	16.0	24.0#
279	2.4	16.0	24.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 7.96 ng

RT: 26.44 min Scan# 1706

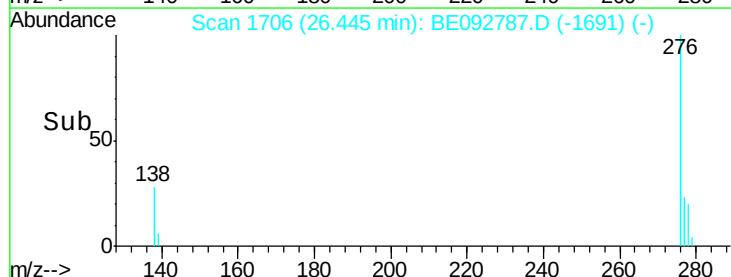
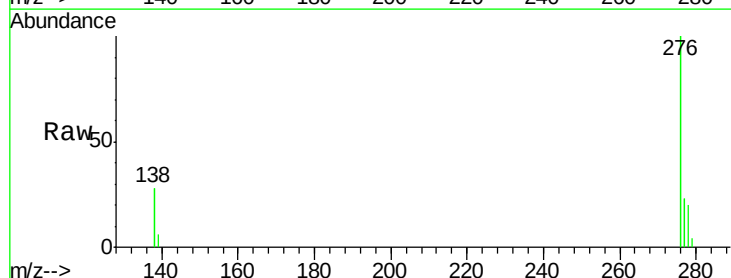
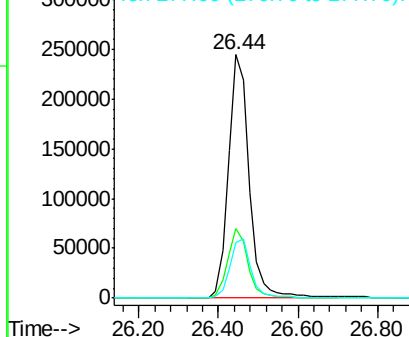
Delta R.T. -0.05 min

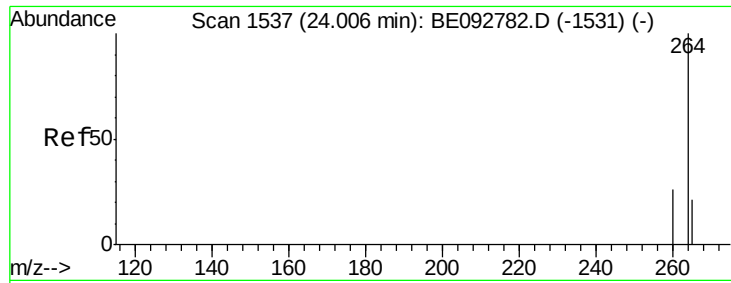
Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tgt Ion:	276	Resp:	879286
Ion Ratio		Lower	Upper
276	100		
138	28.2	20.3	30.5
277	24.8	19.7	29.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





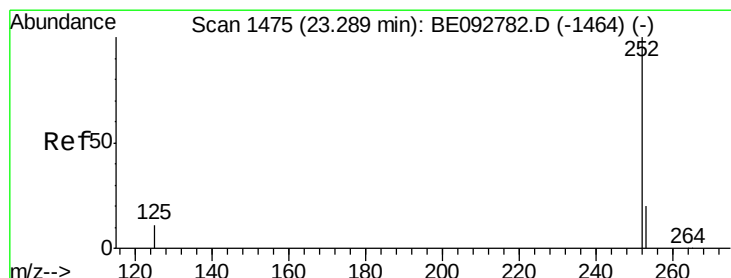
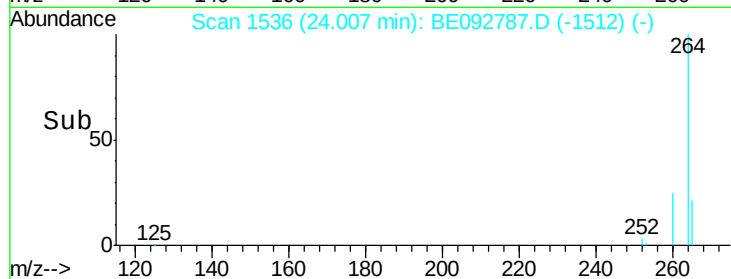
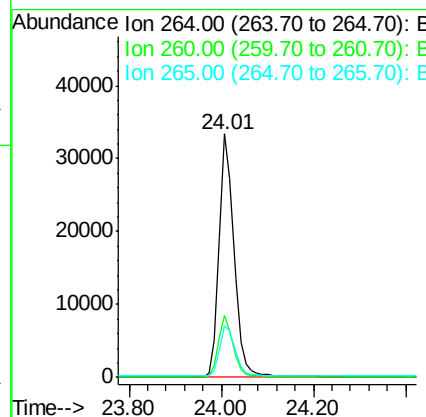
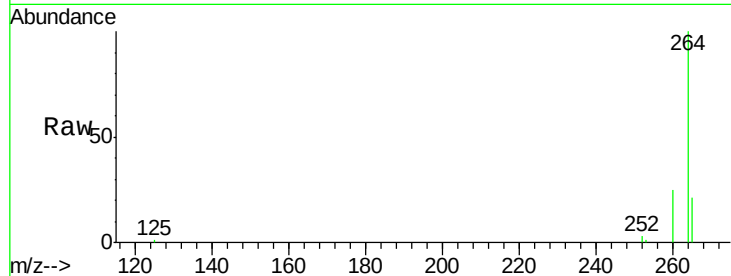
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1536
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.2	17.9	26.9

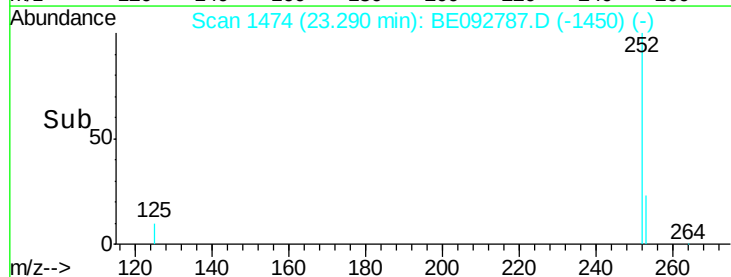
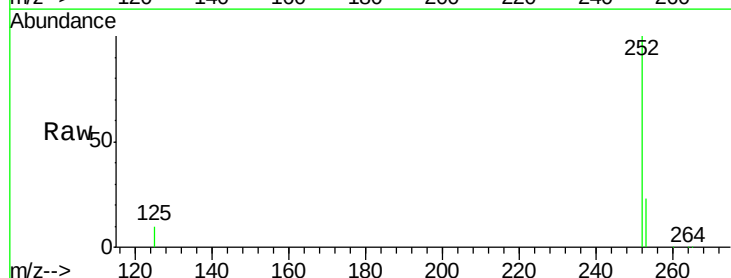
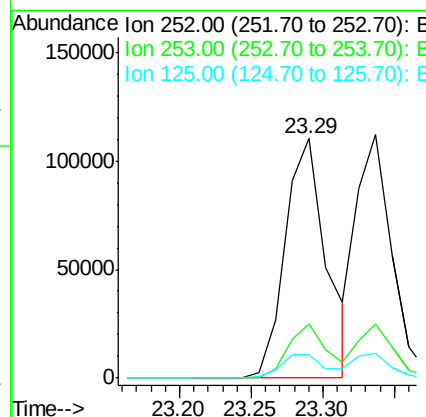
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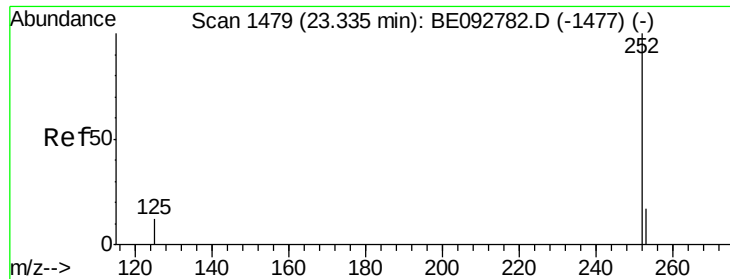
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#32
Benzo(b)fluoranthene
Concen: 10.25 ng
RT: 23.29 min Scan# 1474
Delta R.T. -0.02 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	9.9	10.5	15.7#





#33

Benzo(k)fluoranthene

Concen: 8.78 ng

RT: 23.34 min Scan# 1478

Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Instrument :

BNA_E

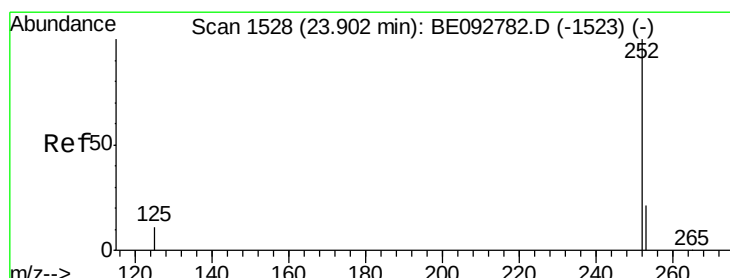
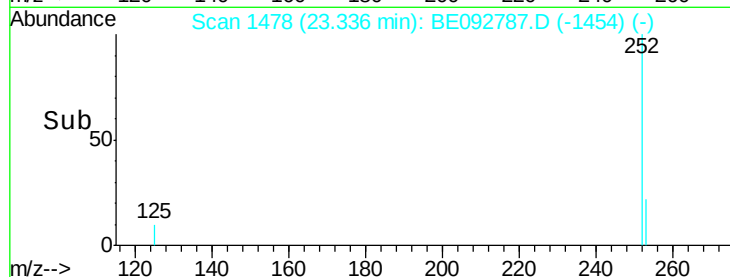
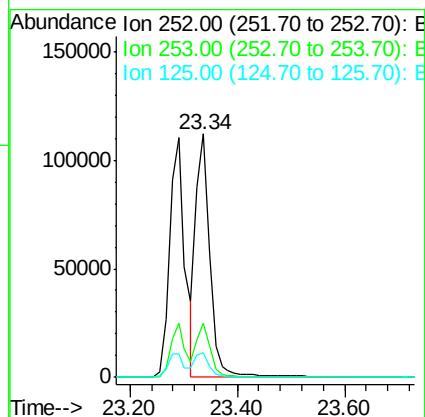
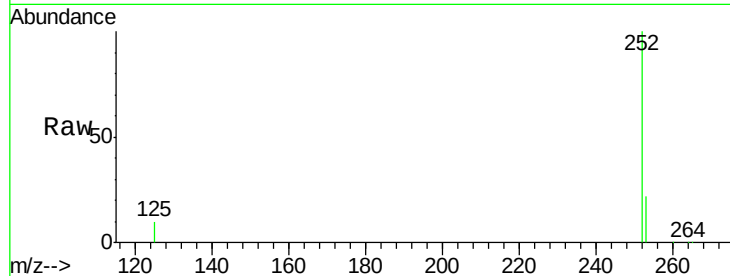
ClientSampleId :

SSTDICC010

Tot Ion:	252	Resp:	198864
Ion Ratio	Lower	Upper	
252	100		
253	22.5	20.3	30.5
125	10.1	9.6	14.4

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#34

Benzo(a)pyrene

Concen: 10.21 ng

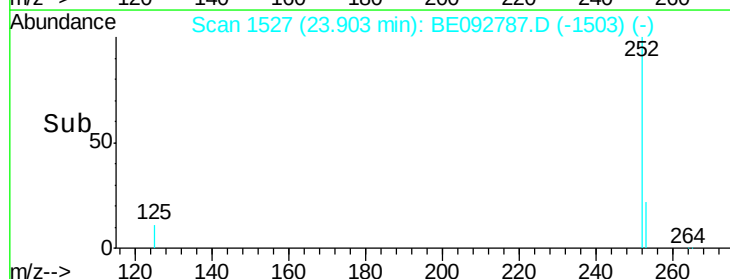
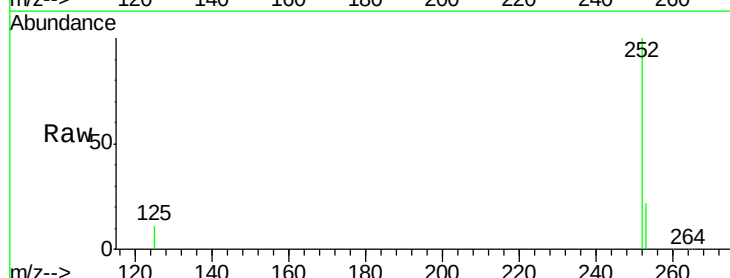
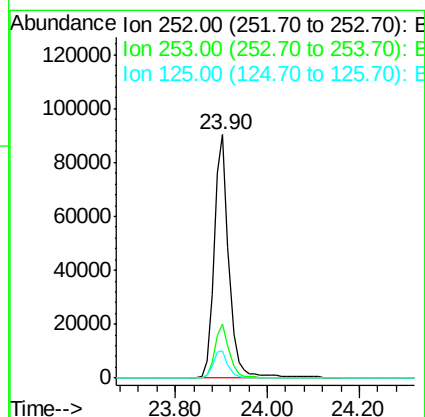
RT: 23.90 min Scan# 1527

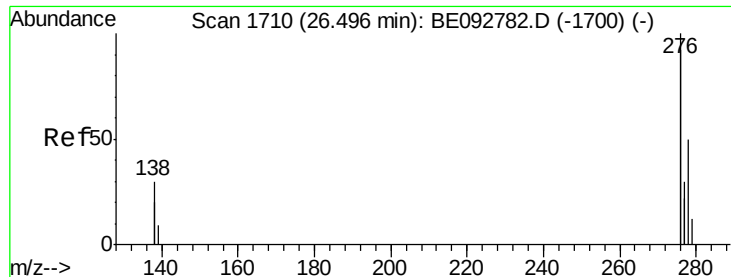
Delta R.T. -0.02 min

Lab File: BE092787.D

Acq: 6 Mar 2017 14:39

Tgt Ion:	252	Resp:	198896
Ion Ratio	Lower	Upper	
252	100		
253	22.4	19.0	28.6
125	11.2	11.8	17.8#





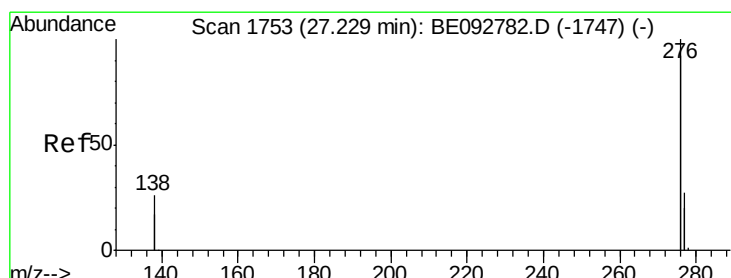
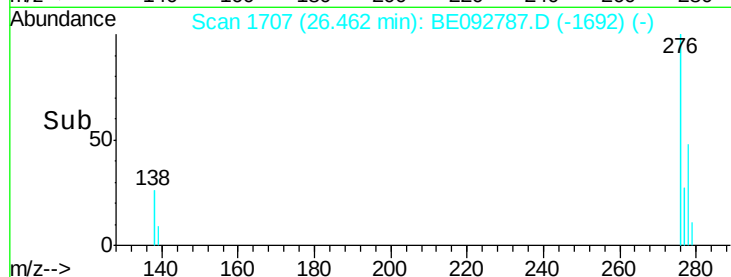
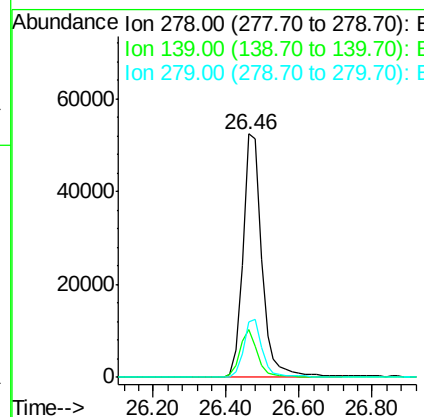
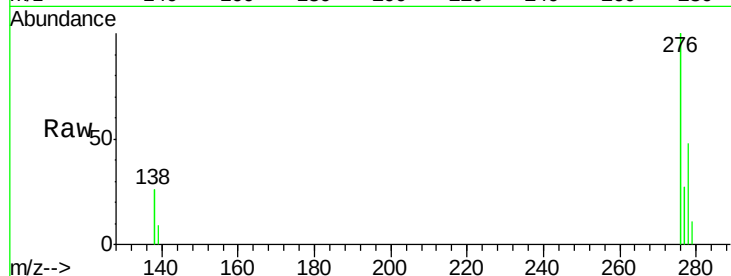
#35
Dibenzo(a,h)anthracene
Concen: 9.04 ng
RT: 26.46 min Scan# 1707
Delta R.T. -0.05 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.8	20.8
279	22.9	21.4	32.2

Manual Integrations
APPROVED

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#36
Benzo(g,h,i)perylene
Concen: 8.80 ng
RT: 27.21 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BE092787.D
Acq: 6 Mar 2017 14:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	21.7	19.8	29.6

