

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
 Data File : BE092728.D
 Acq On : 15 Feb 2017 11:48
 Operator : SJ/MA
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
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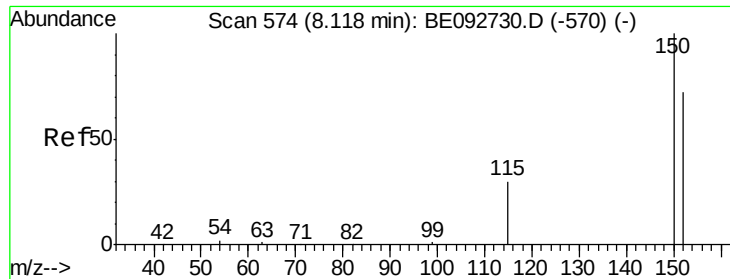
Quant Time: Feb 15 16:47:24 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 13:34:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	9028	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	41755	5.00	ng	0.00
12) Acenaphthene-d10	14.76	164	27121	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	55566	5.00	ng	0.00
24) Chrysene-d12	21.70	240	69351	5.00	ng	0.00
31) Perylene-d12	24.03	264	70590	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.64	112	155	0.08	ng	0.00
5) Phenol-d6	7.36	99	185	0.07	ng	0.05
8) Nitrobenzene-d5	9.34	82	184	0.07	ng	0.02
13) 2,4,6-Tribromophenol	16.31	330	51	0.07	ng	0.02
14) 2-Fluorobiphenyl	13.41	172	654	0.10	ng	0.01
26) Terphenyl-d14	20.14	244	826	0.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	166	0.12	ng	# 85
3) n-Nitrosodimethylamine	3.76	42	97	0.06	ng	# 78
6) bis(2-Chloroethyl)ether	7.57	93	216	0.08	ng	# 28
9) Naphthalene	10.93	128	972	0.11	ng	# 80
10) Hexachlorobutadiene	11.22	225	146	0.11	ng	96
11) 2-Methylnaphthalene	12.61	142	529	0.10	ng	# 94
15) Acenaphthylene	14.47	152	3994	0.11	ng	100
16) Acenaphthene	14.83	154	548	0.09	ng	81
17) Fluorene	15.83	166	726	0.10	ng	99
19) Hexachlorobenzene	16.84	284	249	0.12	ng	# 61
21) Phenanthrene	17.56	178	1373	0.11	ng	98
22) Anthracene	17.67	178	1133	0.10	ng	97
23) Fluoranthene	19.58	202	5852	0.11	ng	98
25) Pyrene	19.93	202	6173	0.09	ng	98
27) Benzo(a)anthracene	21.68	228	7327	0.11	ng	# 83
28) Chrysene	21.72	228	8883m	0.12	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	1524	0.12	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.50	276	13380	0.16	ng	100
32) Benzo(b)fluoranthene	23.31	252	3045	0.18	ng	93
33) Benzo(k)fluoranthene	23.36	252	2997	0.17	ng	# 93
34) Benzo(a)pyrene	23.93	252	2265	0.14	ng	# 85
35) Dibenzo(a,h)anthracene	26.51	278	2624	0.17	ng	# 89
36) Benzo(g,h,i)perylene	27.26	276	11497	0.17	ng	92

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.00 min

Lab File: BE092728.D

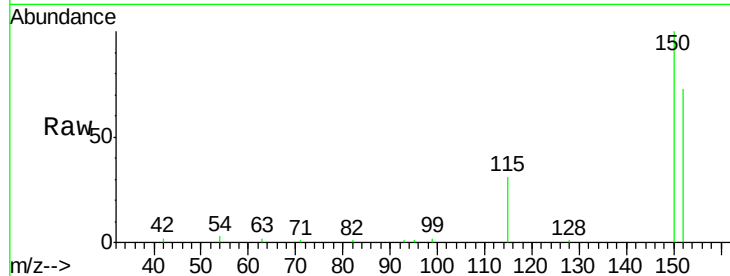
Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

ClientSampleId :

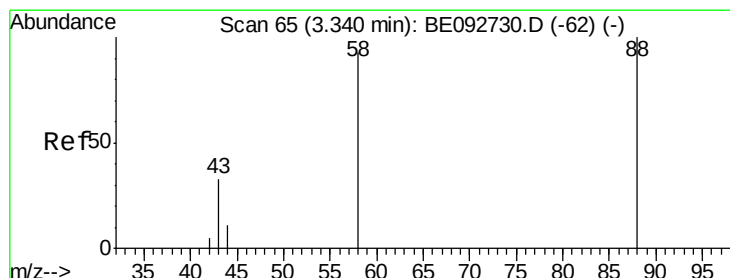
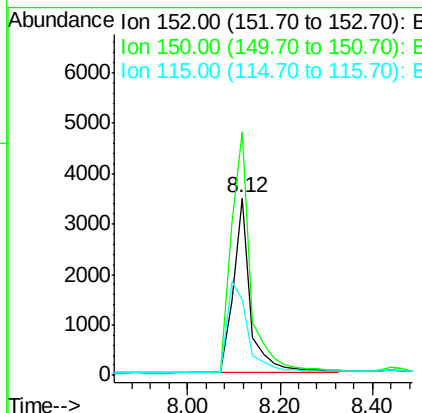
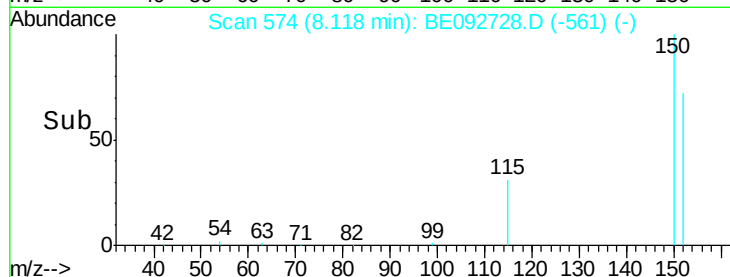
SSTDIC0.1



Tgt Ion:	152	Resp:	9028
Ion Ratio	Lower	Upper	
152	100		
150	137.5	106.0	159.0
115	43.2	31.2	46.8

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#2

1,4-Dioxane

Concen: 0.12 ng

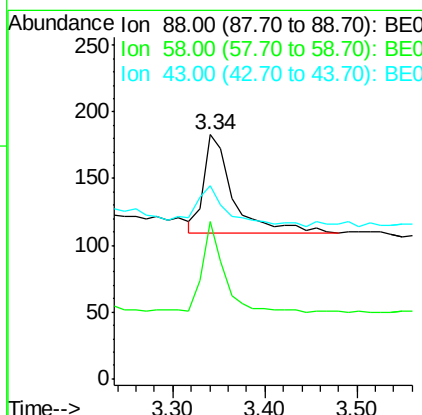
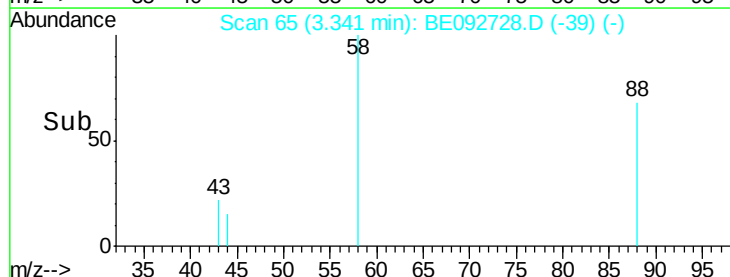
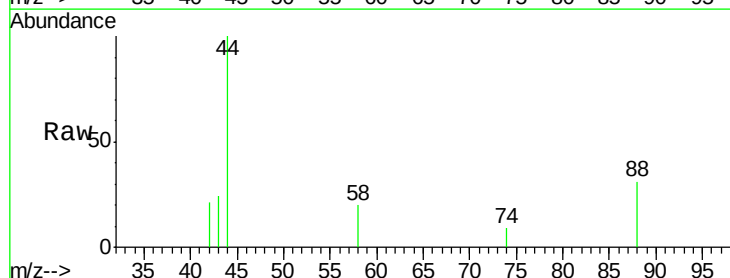
RT: 3.34 min Scan# 65

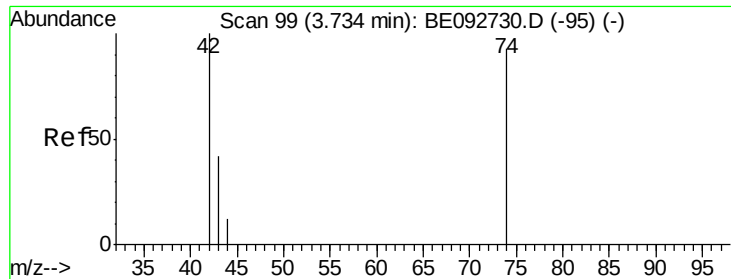
Delta R.T. 0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Tgt Ion:	88	Resp:	166
Ion Ratio	Lower	Upper	
88	100		
58	69.9	63.6	95.4
43	48.2	28.0	42.0#





#3

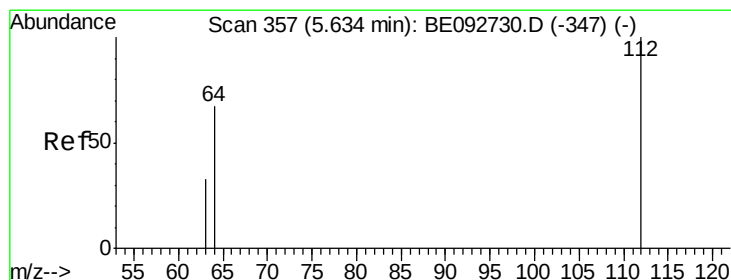
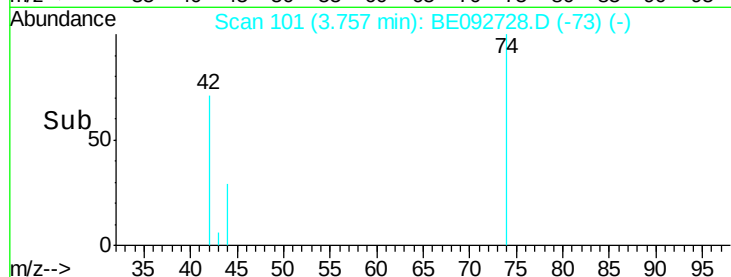
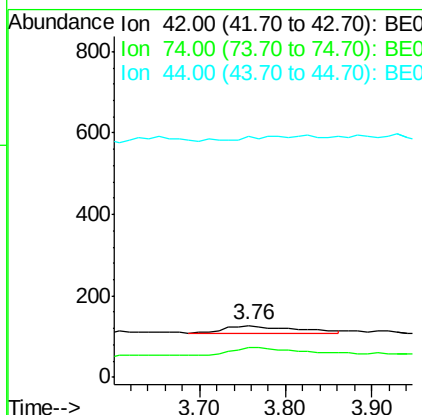
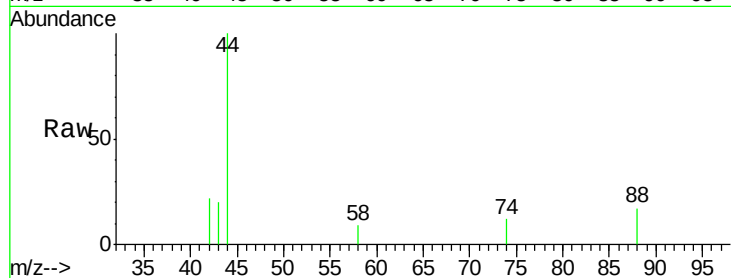
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.76 min Scan# 101
Delta R.T. 0.02 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
42	100		
74	127.8	86.0	129.0
44	30.9	5.1	7.7#

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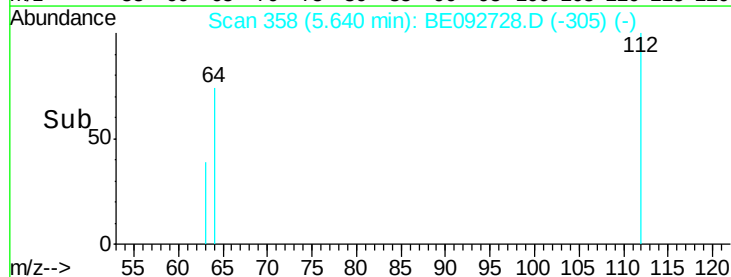
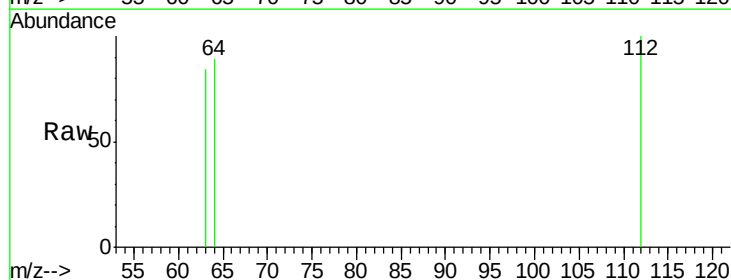
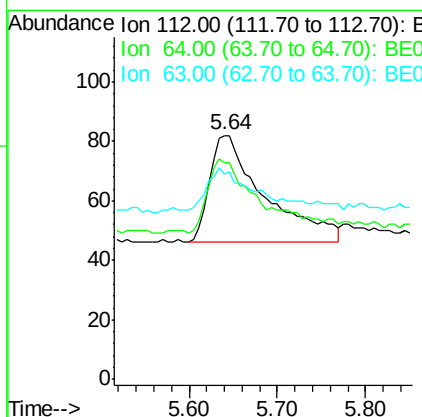
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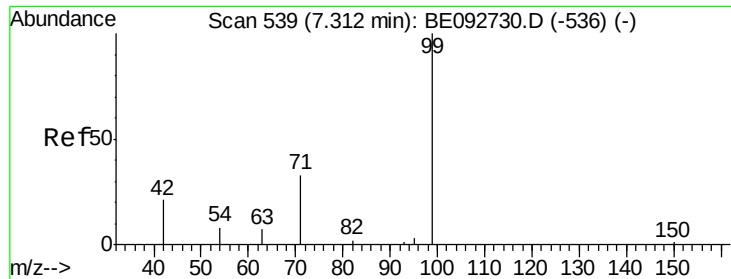


#4

2-Fluorophenol
Concen: 0.08 ng
RT: 5.64 min Scan# 358
Delta R.T. 0.01 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.5	80.3
63	32.9	27.9	41.9





#5

Phenol-d6

Concen: 0.07 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.05 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

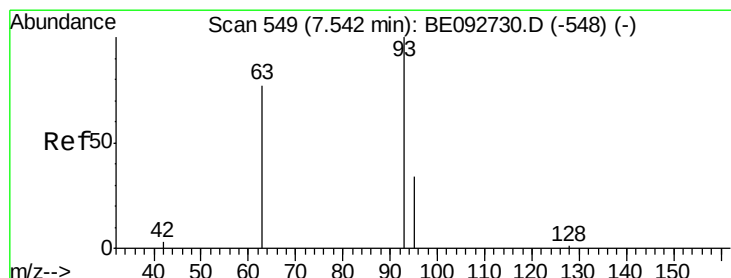
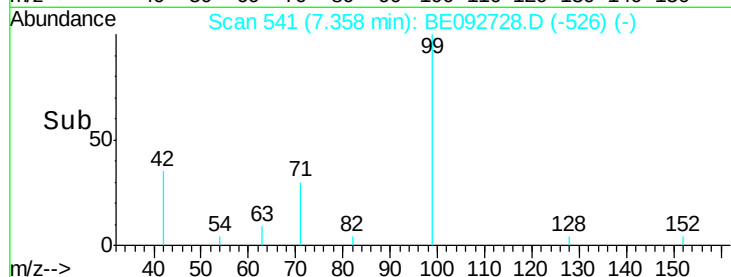
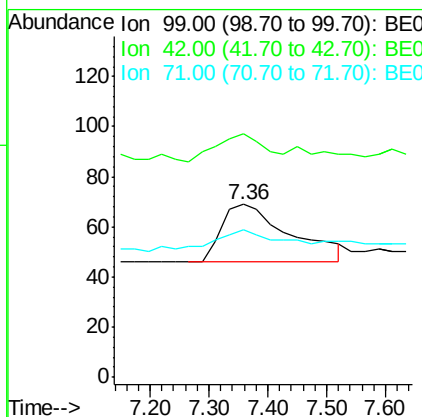
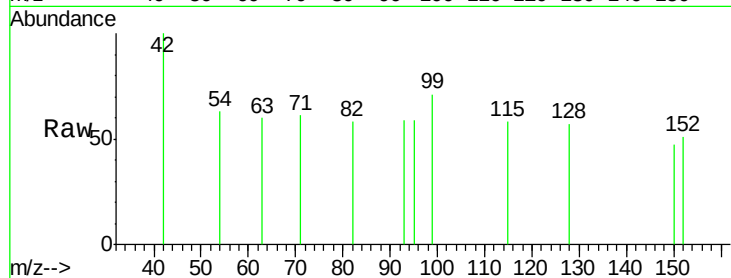
ClientSampleId :

SSTDIC0.1

Tgt Ion:	99	Resp:	185
Ion	Ratio	Lower	Upper
99	100		
42	33.5	16.0	24.0#
71	39.5	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.08 ng

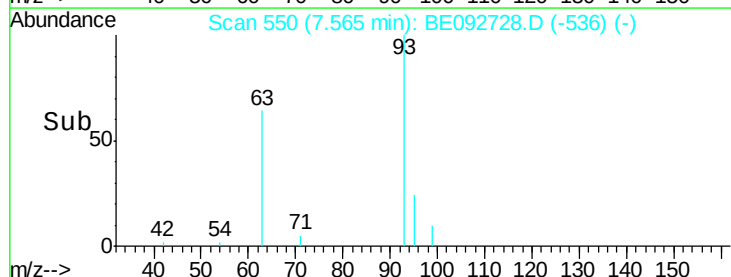
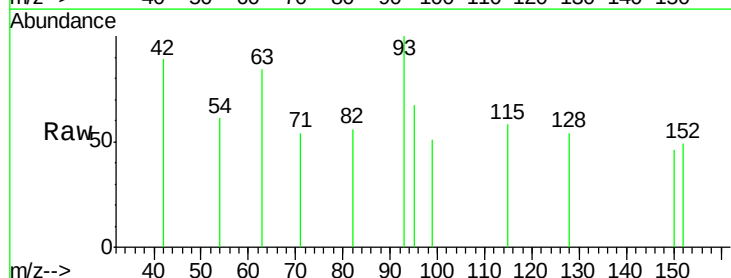
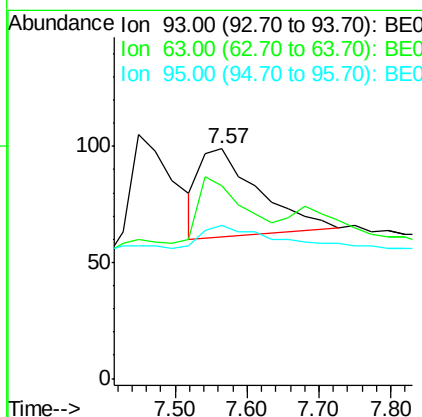
RT: 7.57 min Scan# 550

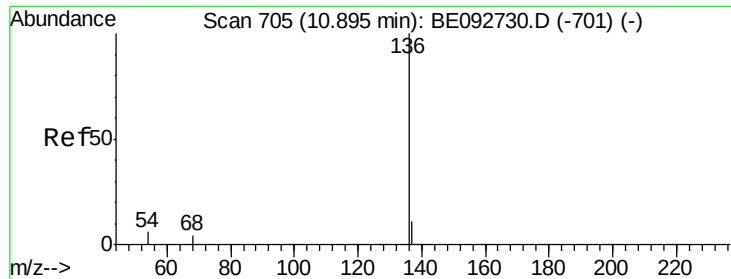
Delta R.T. 0.02 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Tgt Ion:	93	Resp:	216
Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	31.5	24.0	36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

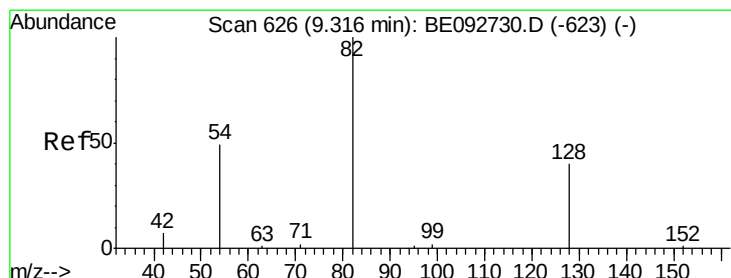
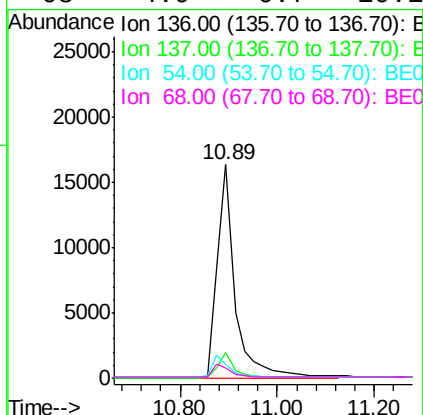
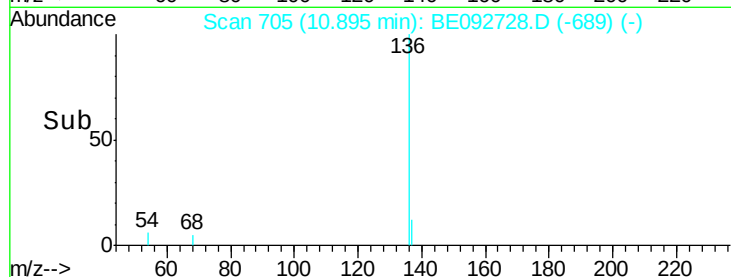
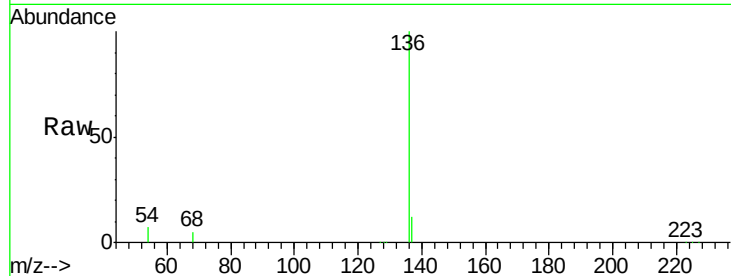
ClientSampleId :

SSTDIC0.1

Tgt Ion:	136	Resp:	41755
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.2	12.4
54	6.5	9.6	14.4#
68	4.9	6.7	10.1#

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#8

Nitrobenzene-d5

Concen: 0.07 ng

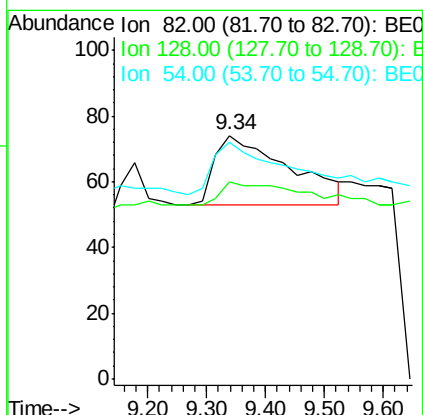
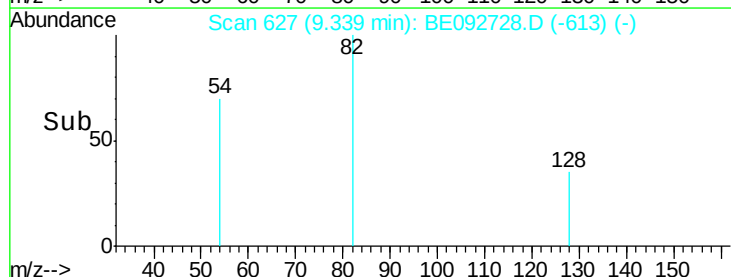
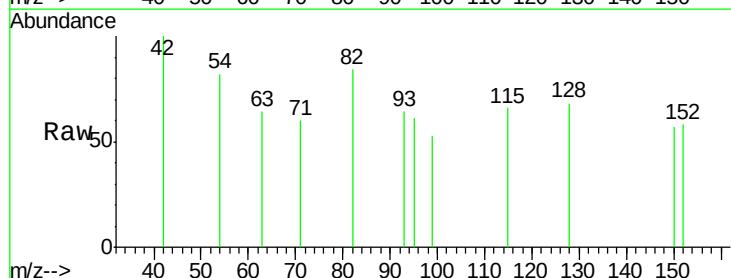
RT: 9.34 min Scan# 627

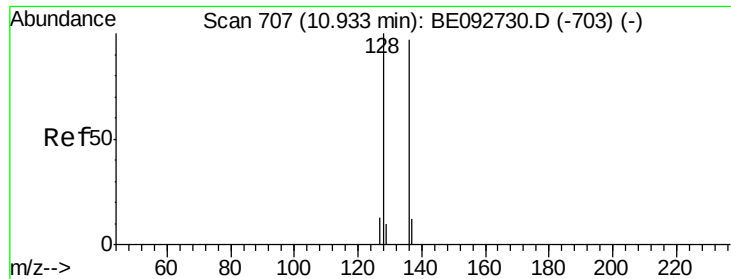
Delta R.T. 0.02 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Tgt Ion:	82	Resp:	184
Ion Ratio	Lower	Upper	
82	100		
128	81.1	39.0	58.4#
54	97.3	44.8	67.2#





#9

Naphthalene

Concen: 0.11 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

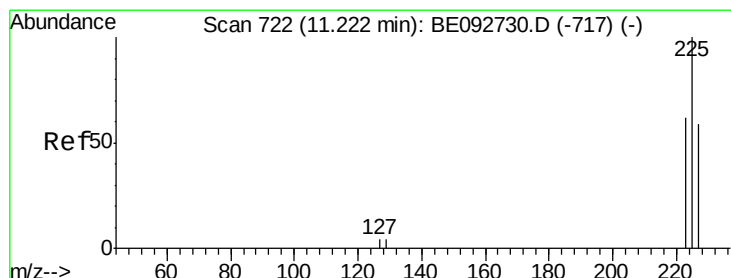
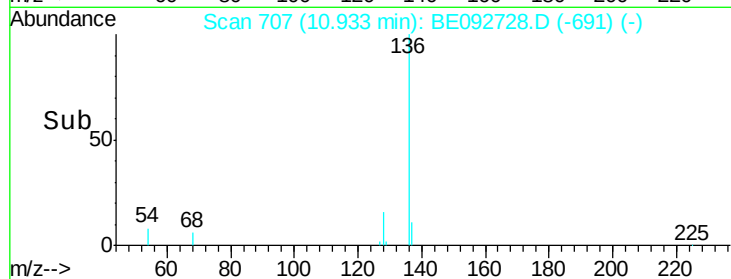
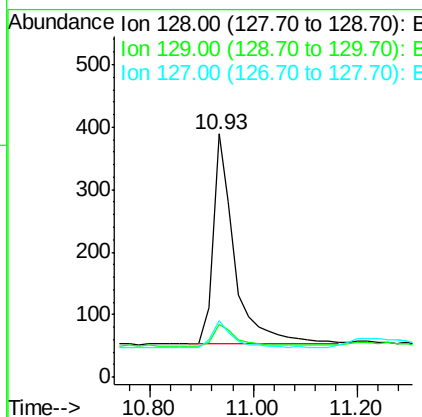
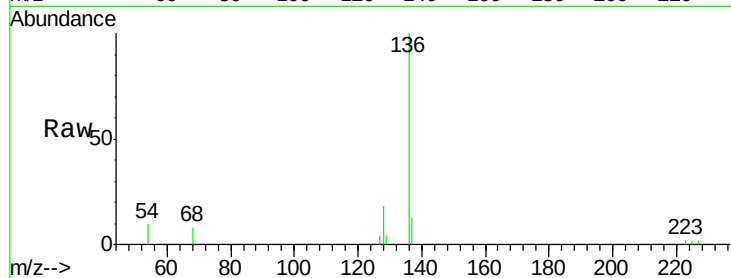
ClientSampleId :

SSTDICC0.1

Tgt Ion:	128	Resp:	972
Ion Ratio	Lower	Upper	
128	100		
129	21.9	11.2	16.8#
127	23.4	11.6	17.4#

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#10

Hexachlorobutadiene

Concen: 0.11 ng

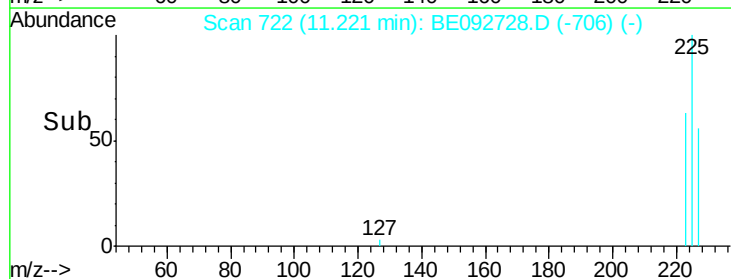
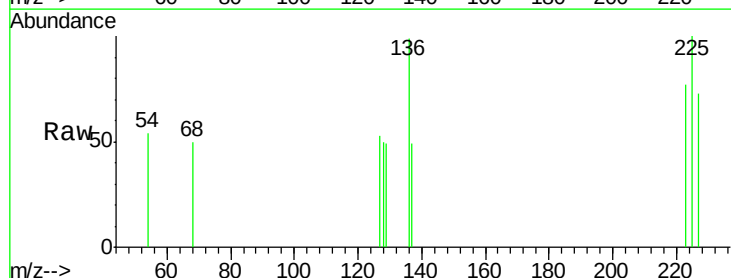
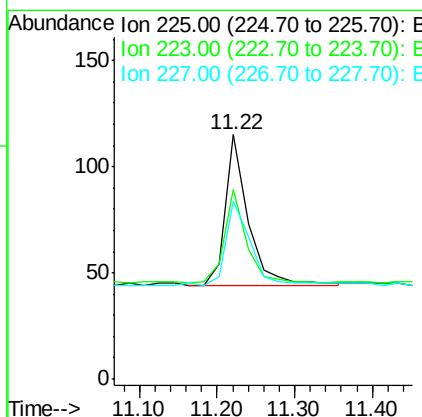
RT: 11.22 min Scan# 722

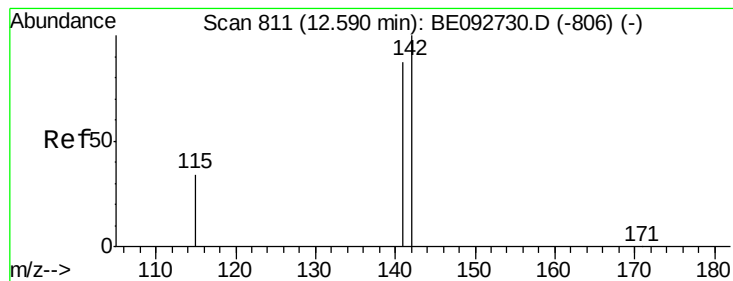
Delta R.T. -0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Tgt Ion:	225	Resp:	146
Ion Ratio	Lower	Upper	
225	100		
223	61.0	50.6	76.0
227	60.3	51.4	77.0





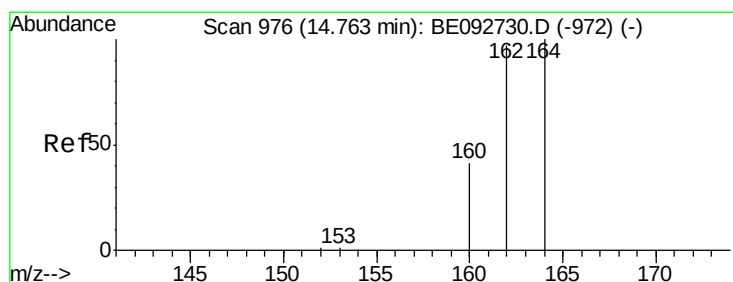
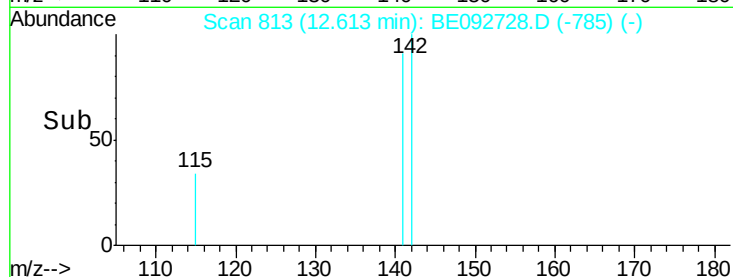
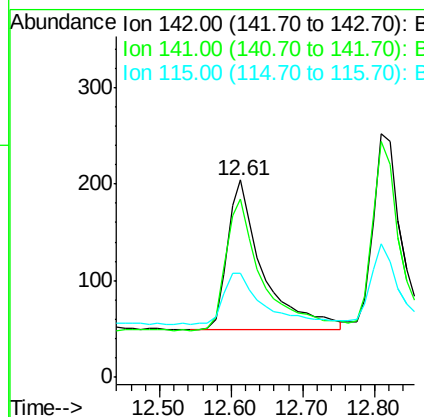
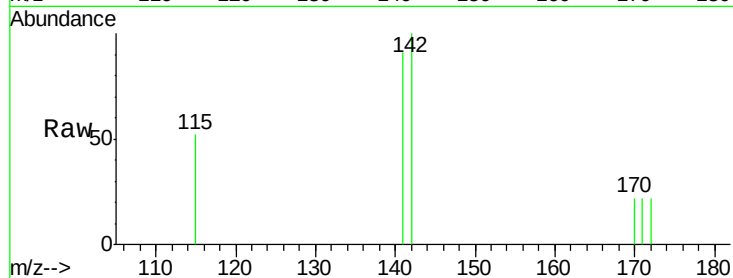
#11
2-Methylnaphthalene
Concen: 0.10 ng
RT: 12.61 min Scan# 813
Delta R.T. 0.02 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:142 Resp: 529
Ion Ratio Lower Upper
142 100
141 90.7 73.7 110.5
115 52.5 34.0 51.0#

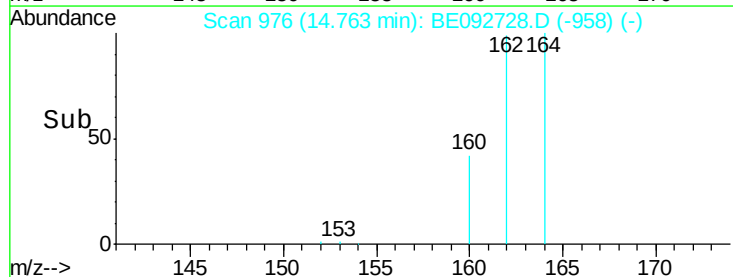
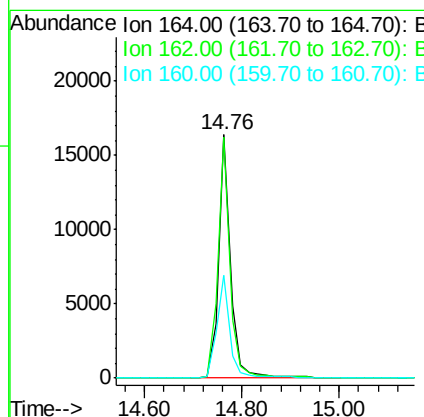
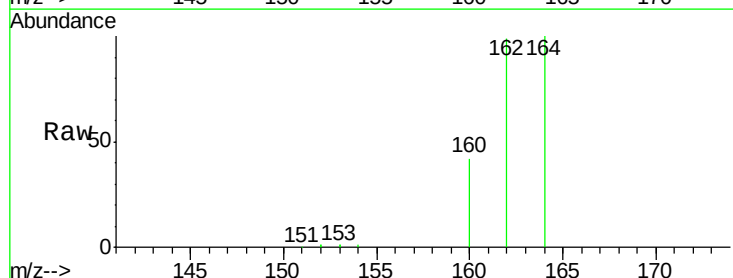
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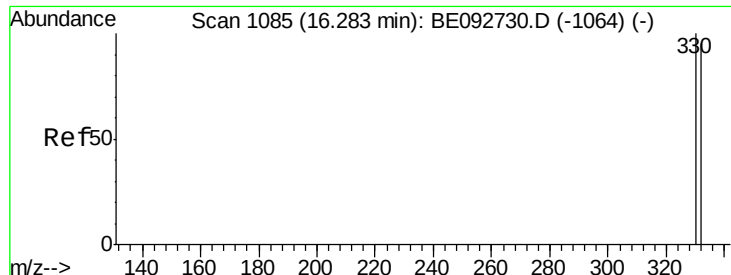
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.76 min Scan# 976
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion:164 Resp: 27121
Ion Ratio Lower Upper
164 100
162 98.8 71.4 107.0
160 42.2 27.4 41.2#





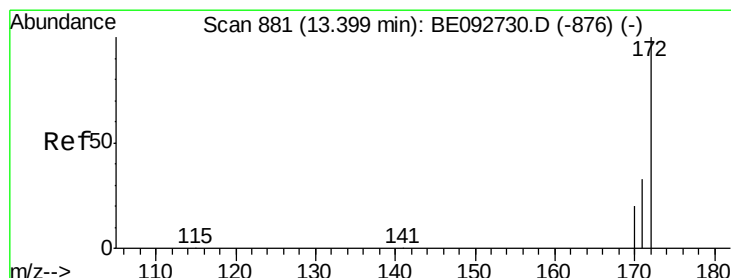
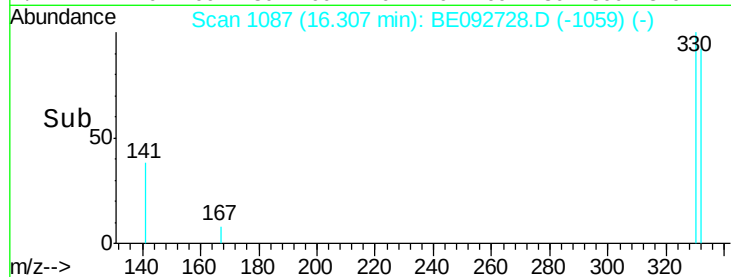
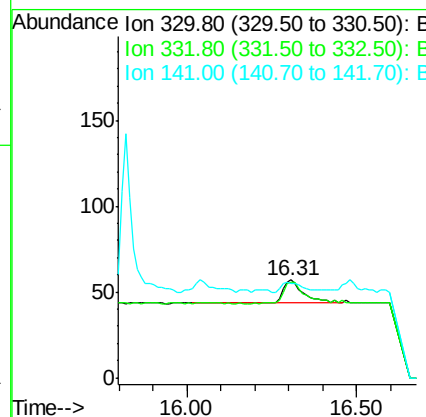
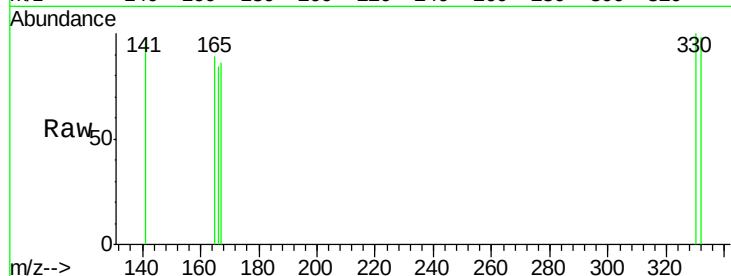
#13
2,4,6-Tribromophenol
Concen: 0.07 ng
RT: 16.31 min Scan# 1087
Delta R.T. 0.02 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 330 Resp: 51
Ion Ratio Lower Upper
330 100
332 117.6 75.4 113.0#
141 47.1 31.0 46.6#

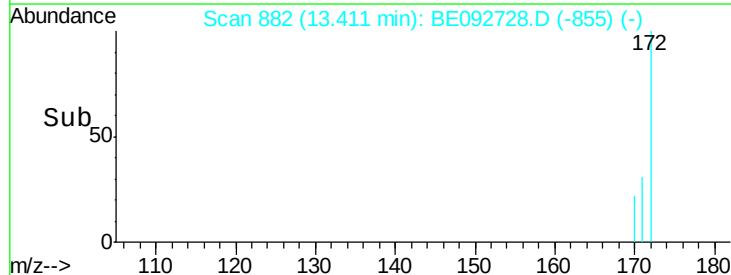
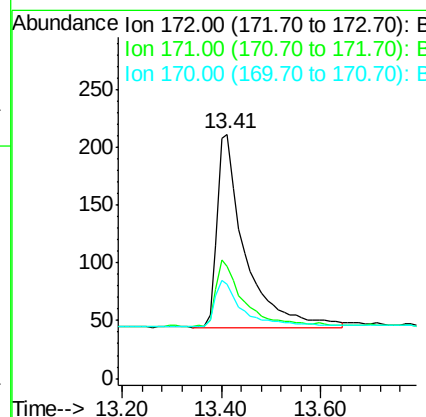
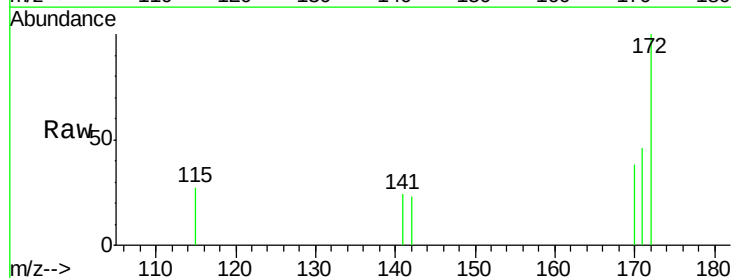
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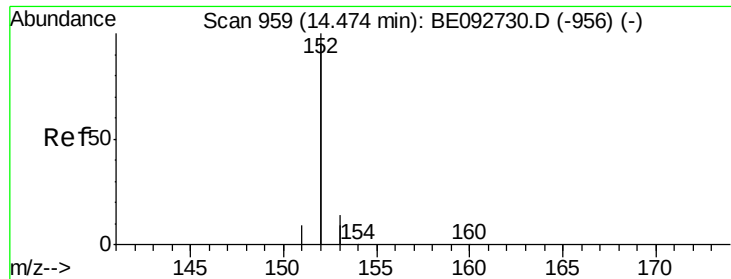
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#14
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.41 min Scan# 882
Delta R.T. 0.01 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion: 172 Resp: 654
Ion Ratio Lower Upper
172 100
171 46.0 30.1 45.1#
170 38.4 21.8 32.6#





#15

Acenaphthylene

Concen: 0.11 ng

RT: 14.47 min Scan# 959

Delta R.T. -0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

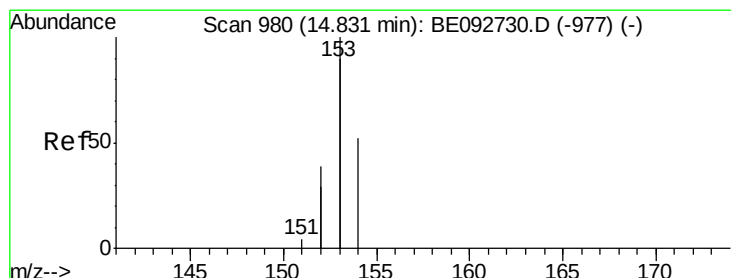
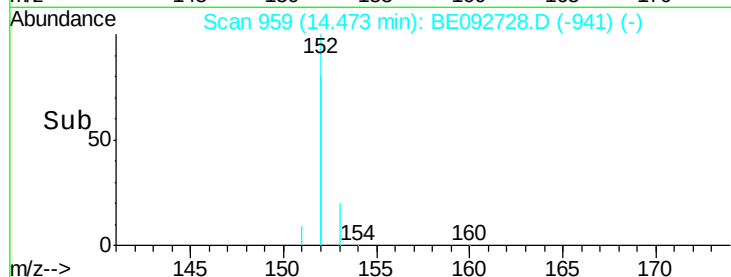
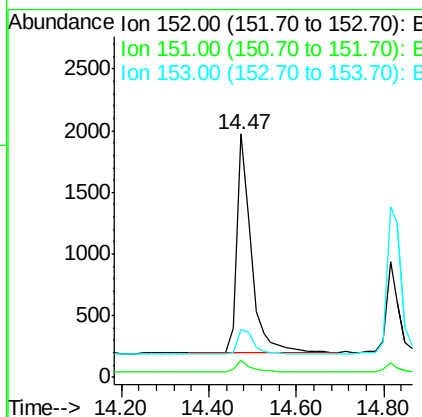
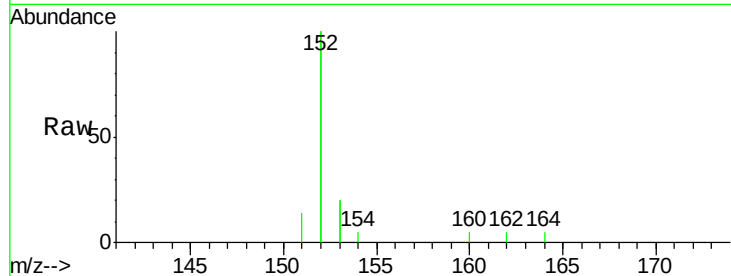
ClientSampleId :

SSTDIC0.1

Tgt Ion:	152	Resp:	3994
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.9	5.9
153	13.0	10.4	15.6

Manual Integrations
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mohammad
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#16

Acenaphthene

Concen: 0.09 ng

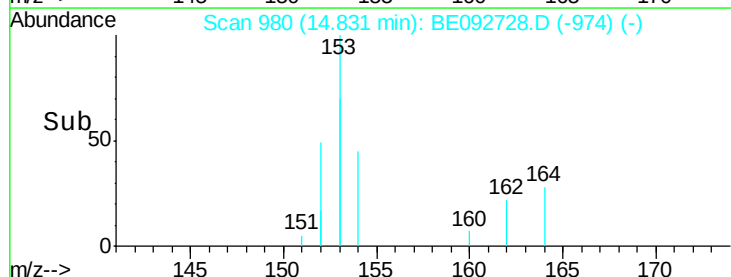
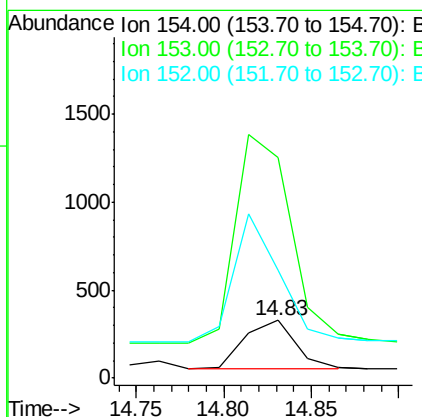
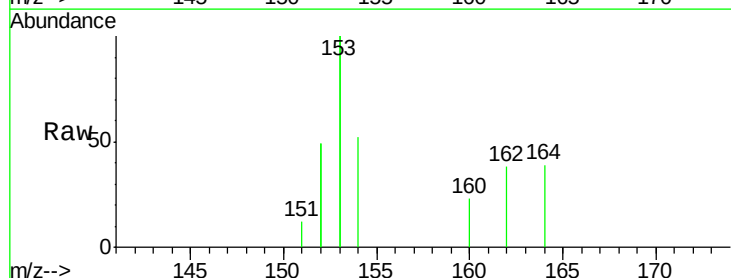
RT: 14.83 min Scan# 980

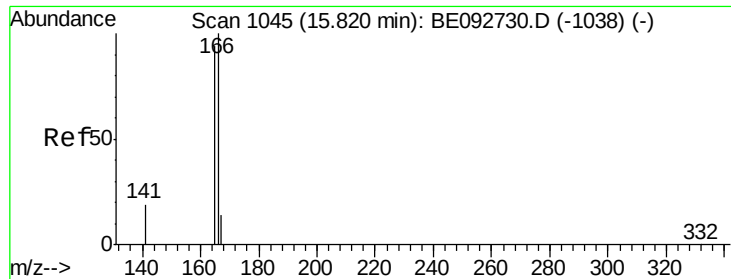
Delta R.T. -0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Tgt Ion:	154	Resp:	548
Ion Ratio	Lower	Upper	
154	100		
153	483.4	350.8	526.2
152	246.9	171.1	256.7





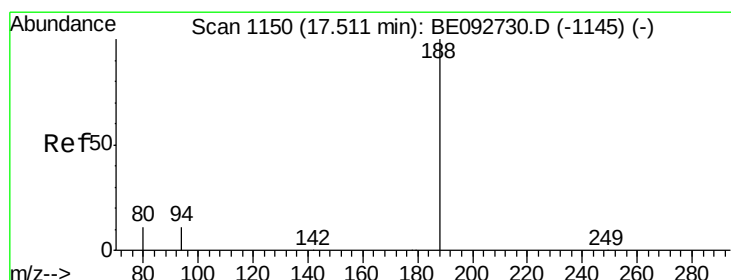
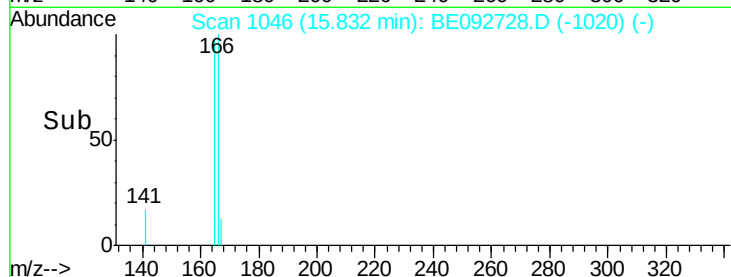
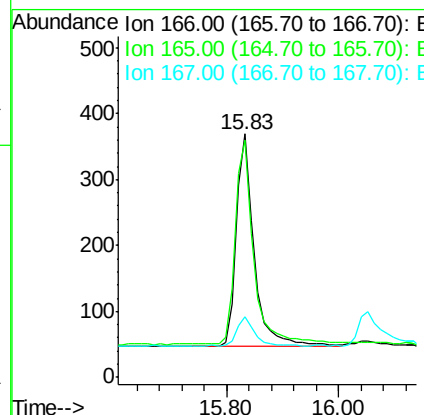
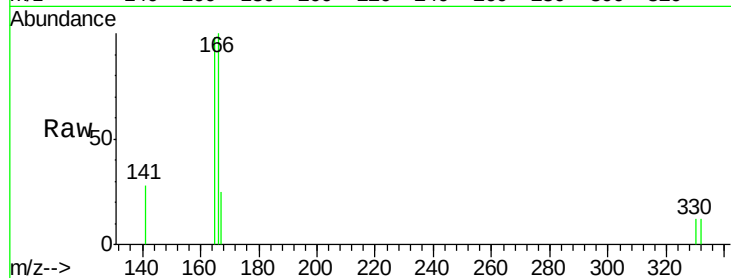
#17
Fluorene
 Concen: 0.10 ng
 RT: 15.83 min Scan# 1046
 Delta R.T. 0.01 min
 Lab File: BE092728.D
 Acq: 15 Feb 2017 11:48

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	14.7	11.0	16.4

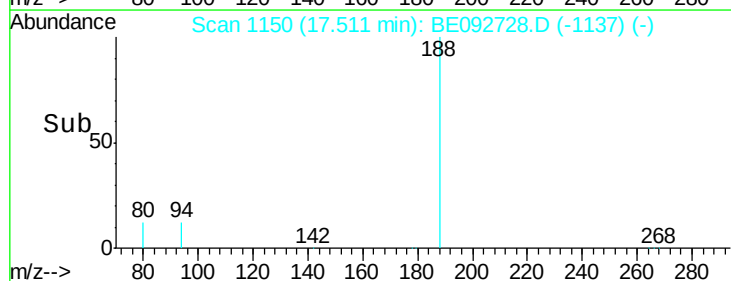
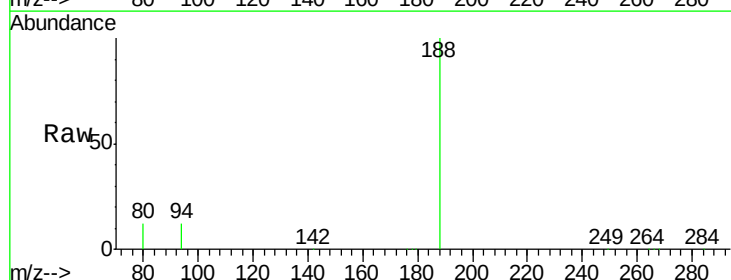
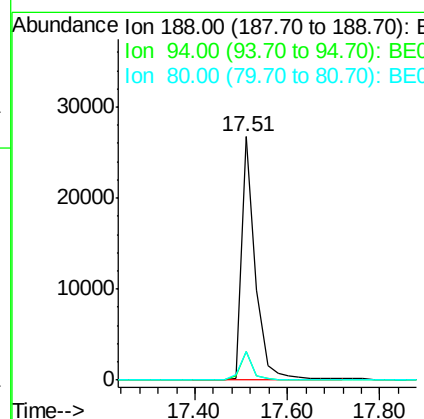
Manual Integrations
 APPROVED

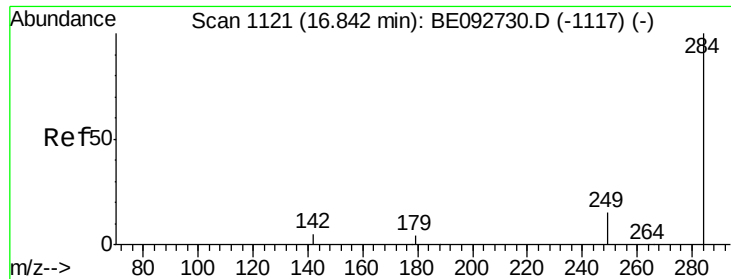
mohammad
 2/16/2017 11:44:25 AM



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.51 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BE092728.D
 Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	3.2	4.8#
80	11.7	2.6	3.8#





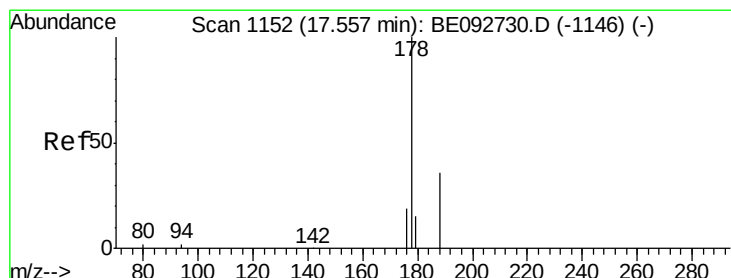
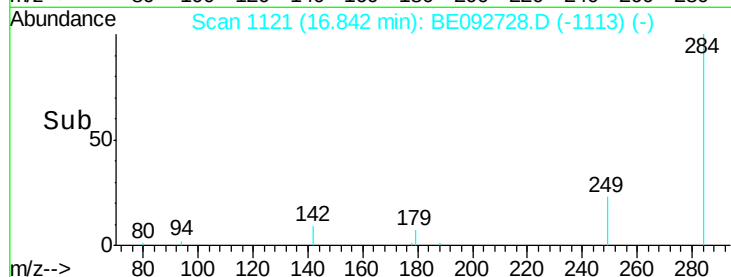
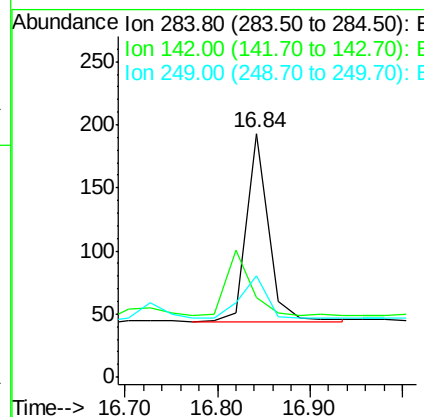
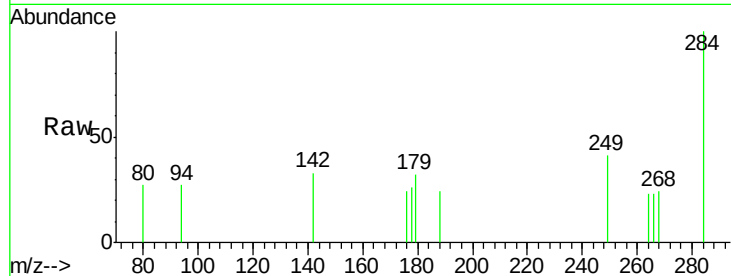
#19
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	25.7	27.9	41.9#

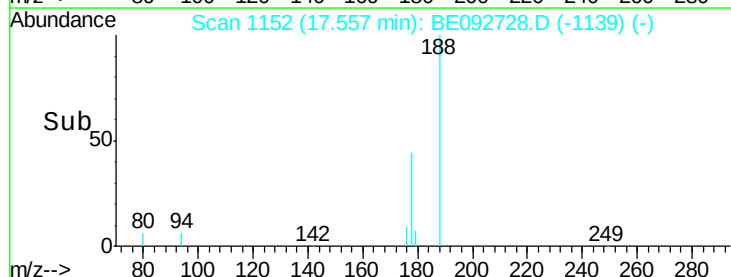
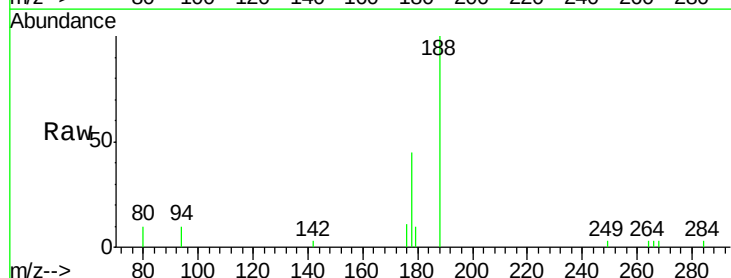
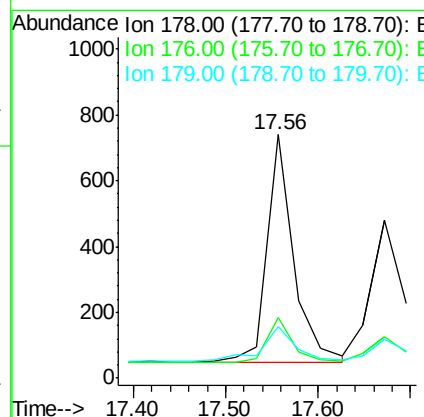
Manual Integrations
APPROVED

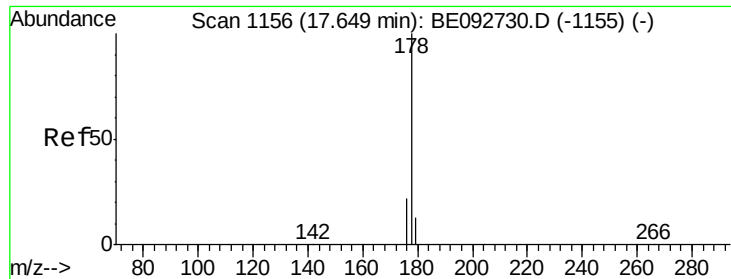
mohammad
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#21
Phenanthrene
Concen: 0.11 ng
RT: 17.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	18.5	16.0	24.0





#22

Anthracene

Concen: 0.10 ng

RT: 17.67 min Scan# 1157

Delta R.T. 0.02 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

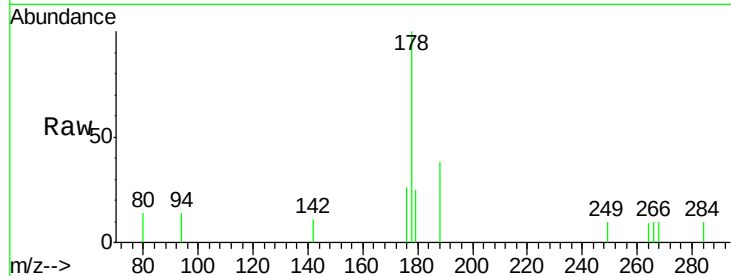
ClientSampleId :

SSTDIC0.1

Tgt Ion:	178	Resp:	1133
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.0	22.4
179	16.9	12.2	18.2

Manual Integrations
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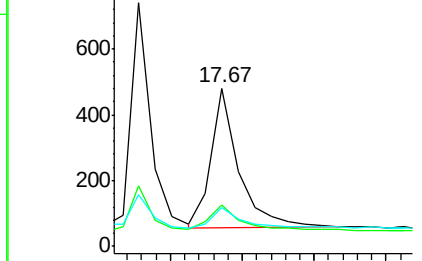
mohammad
2/16/2017 11:44:25 AM



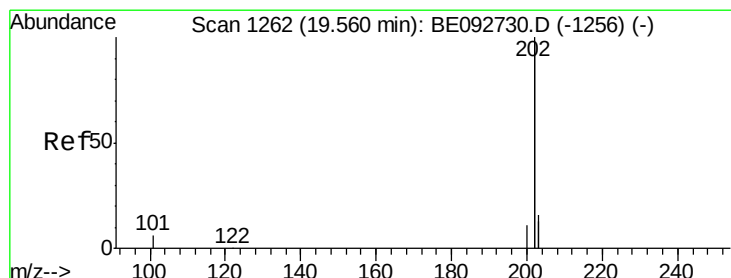
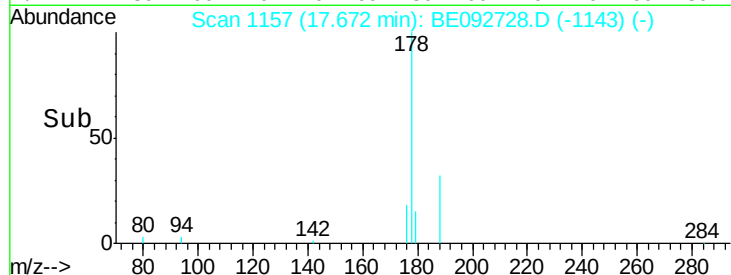
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#23

Fluoranthene

Concen: 0.11 ng

RT: 19.58 min Scan# 1263

Delta R.T. 0.02 min

Lab File: BE092728.D

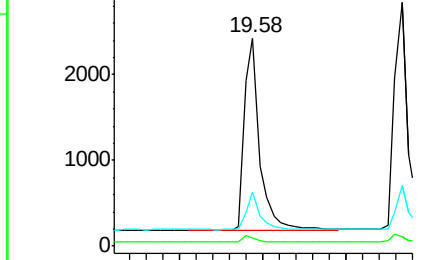
Acq: 15 Feb 2017 11:48

Tgt Ion:	202	Resp:	5852
Ion Ratio	Lower	Upper	
202	100		
101	2.8	2.2	3.4
203	18.0	13.7	20.5

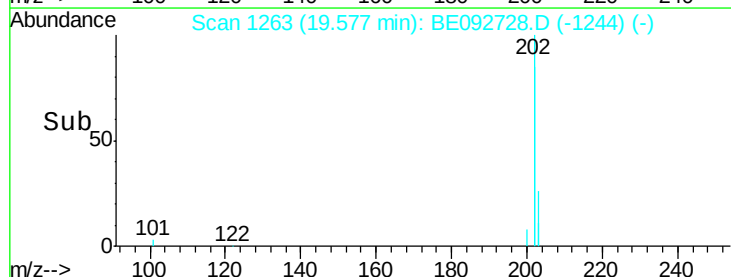
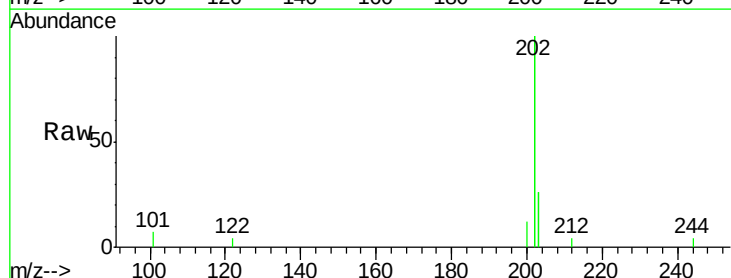
Abundance Ion 202.00 (201.70 to 202.70): E

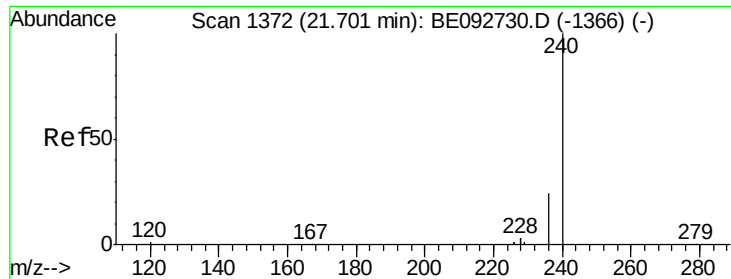
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





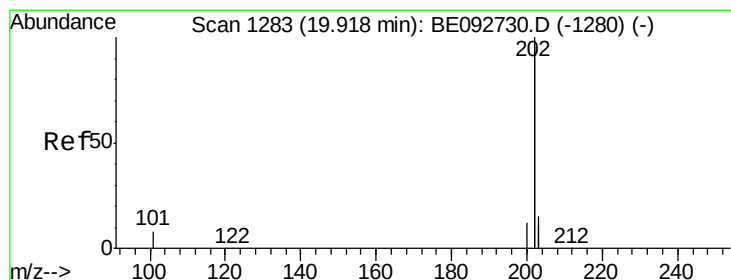
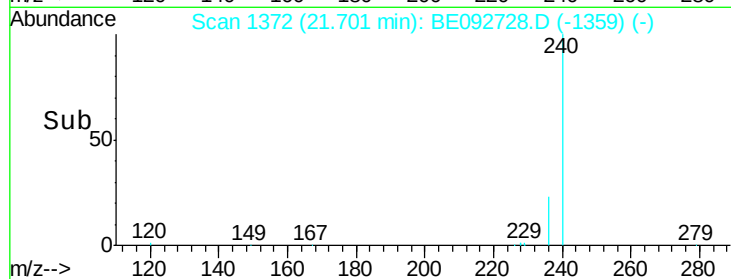
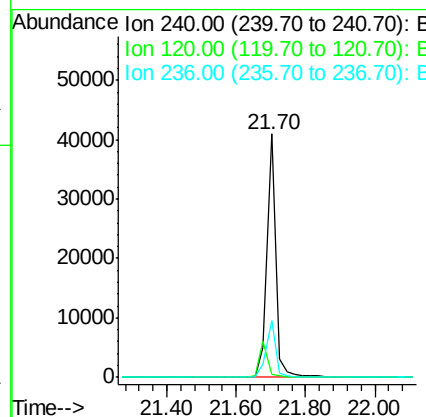
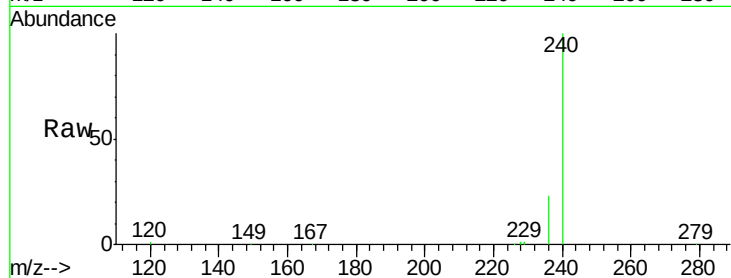
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.70 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	1.4	2.6	4.0#
236	23.4	24.6	37.0#

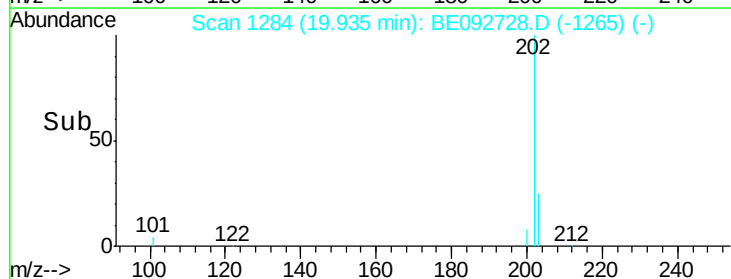
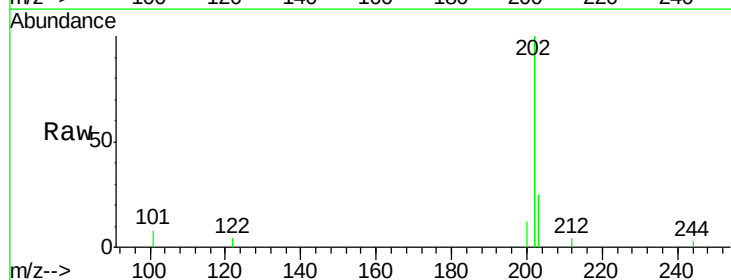
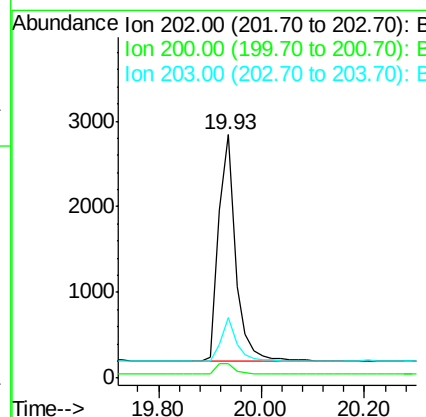
Manual Integrations
APPROVED

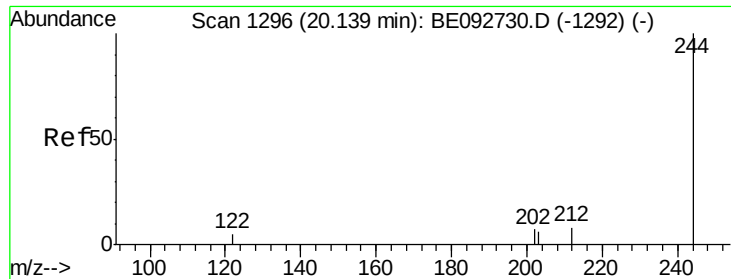
mohammad
2/16/2017 11:44:25 AM



#25
Pyrene
Concen: 0.09 ng
RT: 19.93 min Scan# 1284
Delta R.T. 0.02 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.3	13.9	20.9





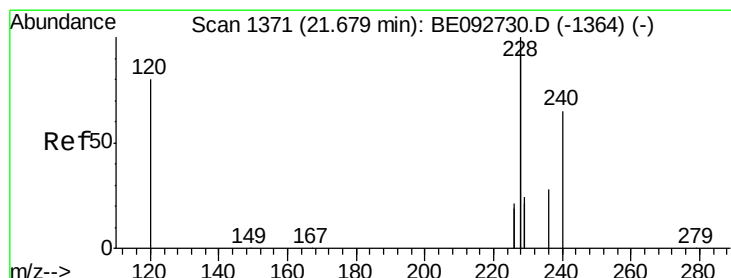
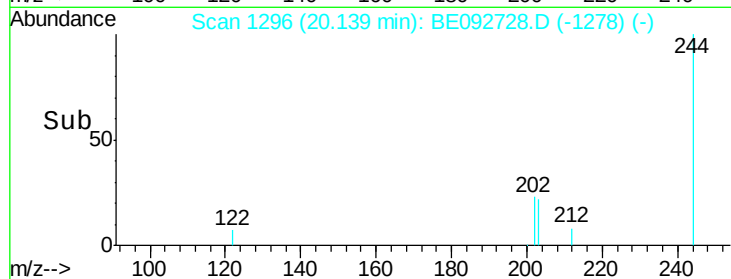
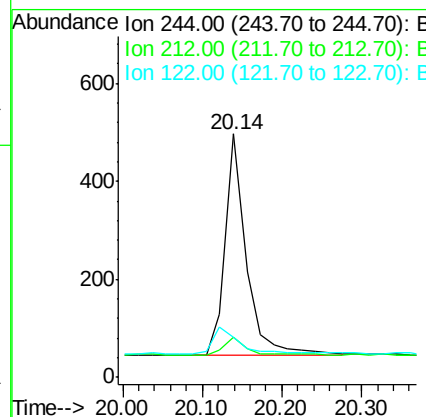
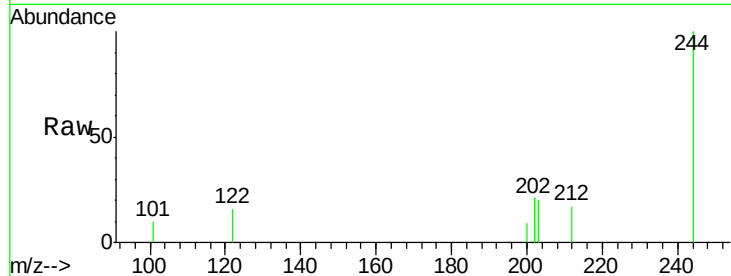
#26
 Terphenyl-d14
 Concen: 0.08 ng
 RT: 20.14 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BE092728.D
 Acq: 15 Feb 2017 11:48

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	16.7	6.7	10.1#
122	16.5	3.6	5.4#

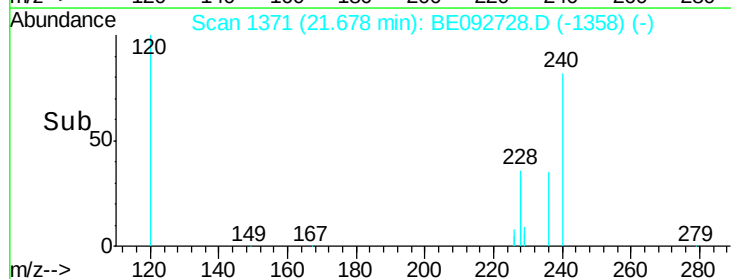
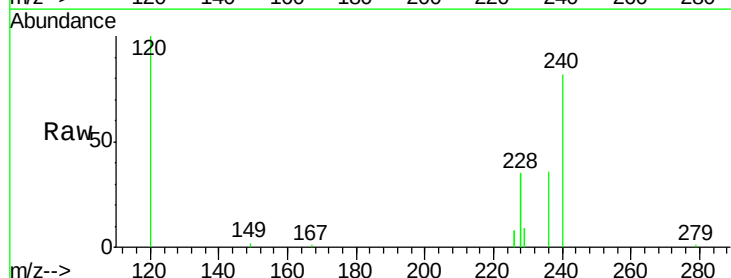
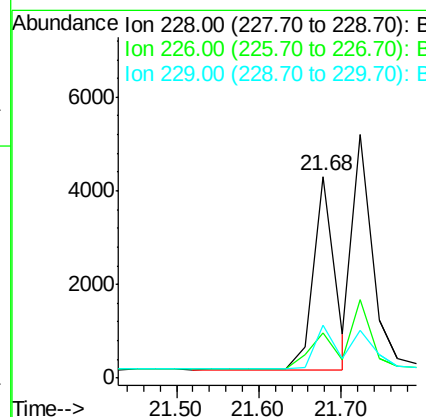
Manual Integrations
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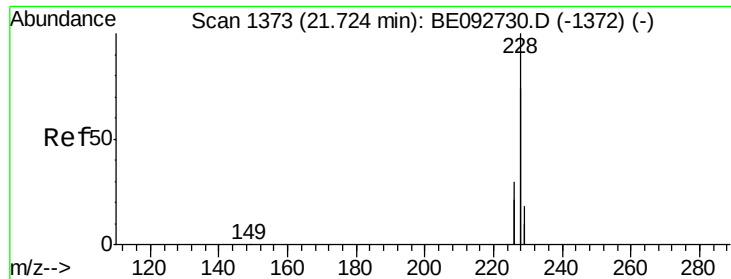
mohammad
 2/16/2017 11:44:25 AM



#27
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.68 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BE092728.D
 Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	22.2	23.6	35.4#
229	26.0	13.3	19.9#





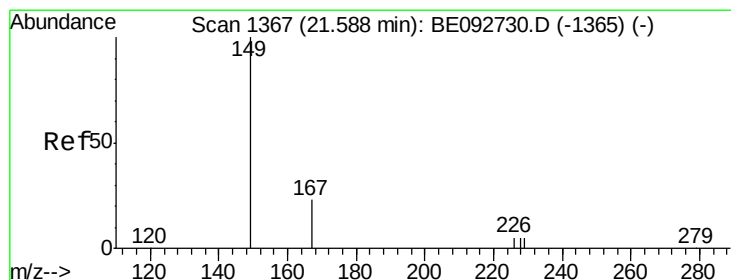
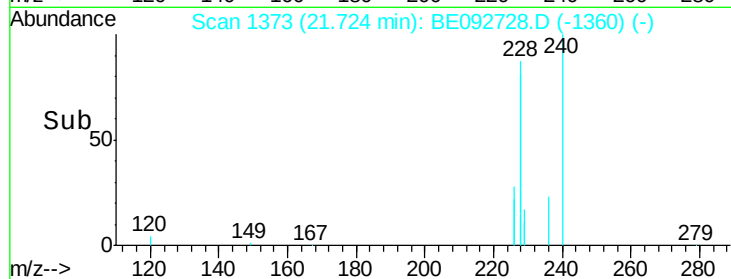
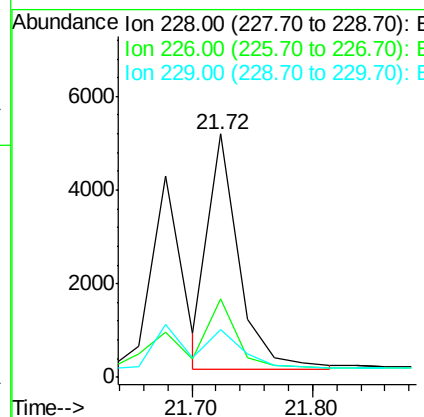
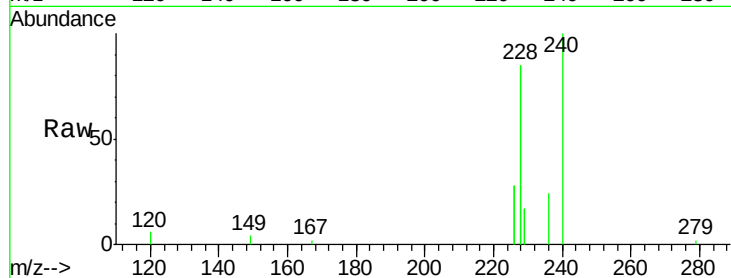
#28
Chrysene
Concen: 0.12 ng m
RT: 21.72 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	36.3	54.5#
229	19.7	10.6	16.0#

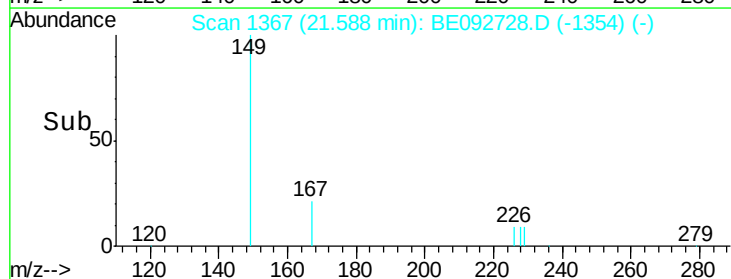
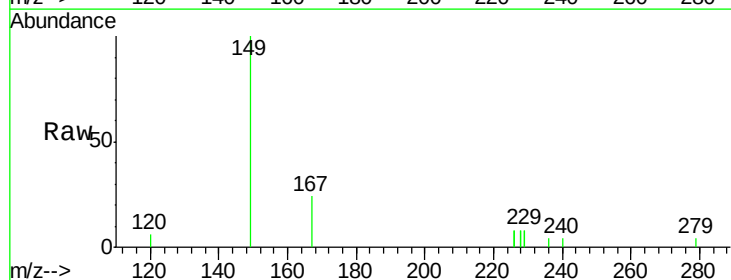
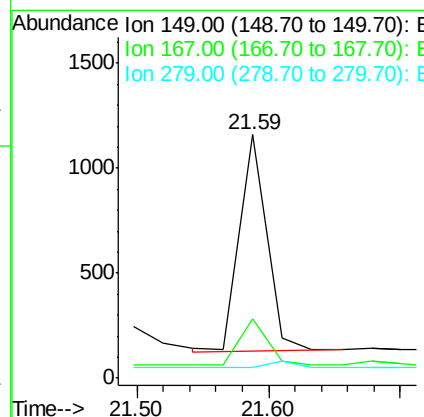
Manual Integrations
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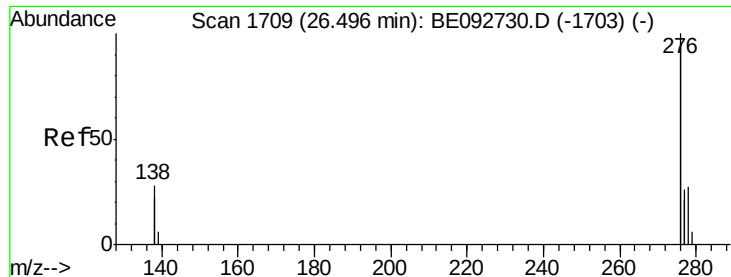
mohammad
2/16/2017 11:44:25 AM



#29
Bis(2-ethylhexyl)phthalate
Concen: 0.12 ng
RT: 21.59 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.7	16.0	24.0
279	0.0	16.0	24.0#





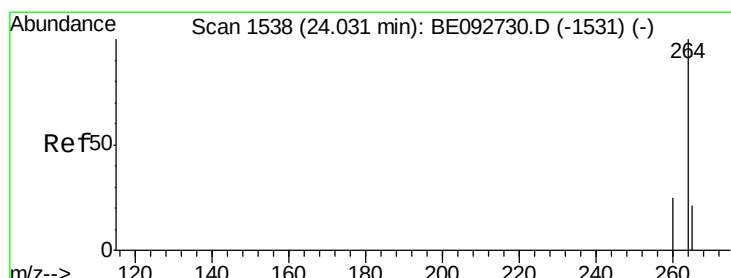
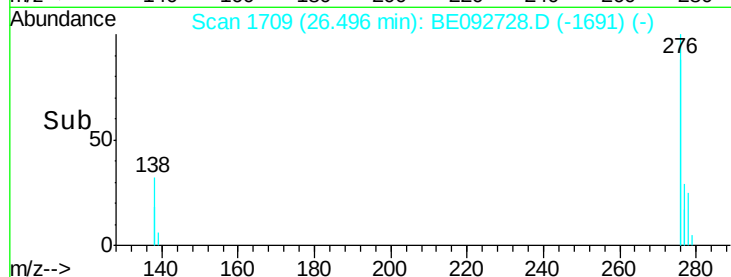
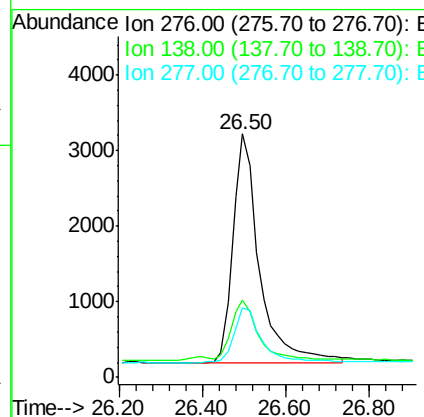
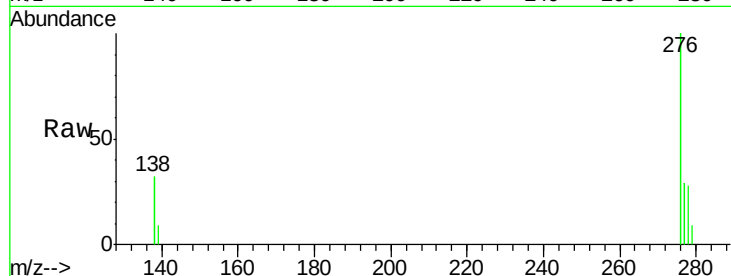
#30
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 26.50 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.3	30.5
277	24.9	19.7	29.5

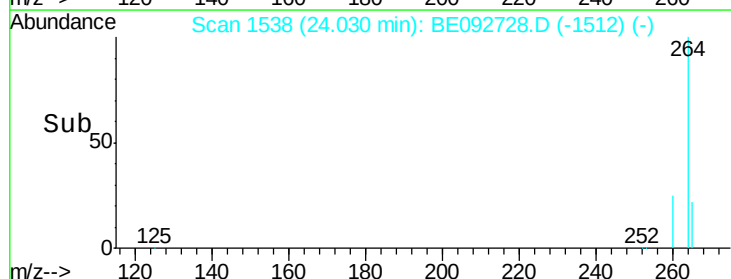
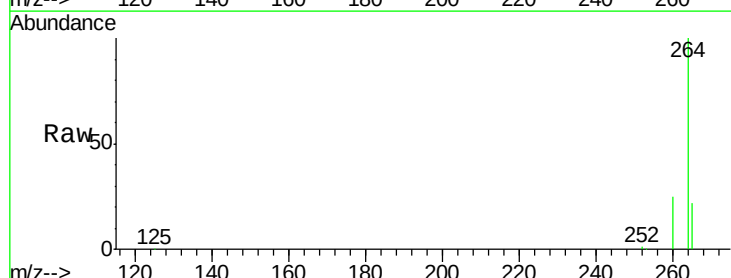
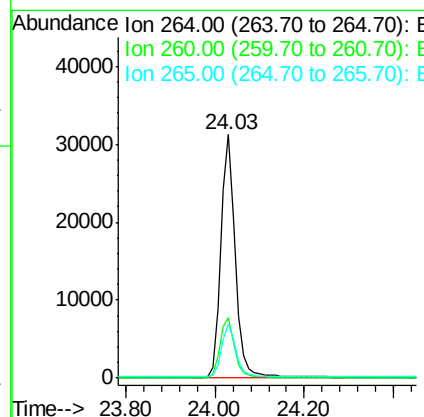
Manual Integrations
APPROVED

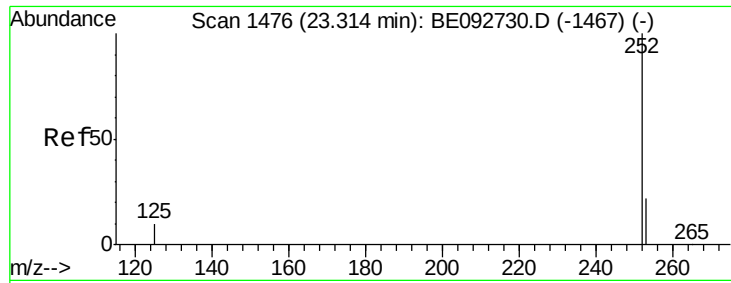
mohammad
2/16/2017 11:44:25 AM



#31
Perylene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.3	17.9	26.9





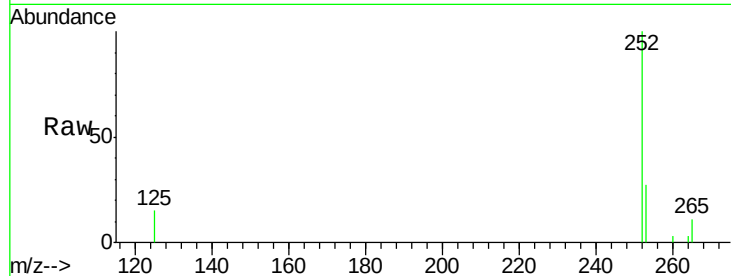
#32
Benzo(b)fluoranthene
Concen: 0.18 ng
RT: 23.31 min Scan# 1476
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

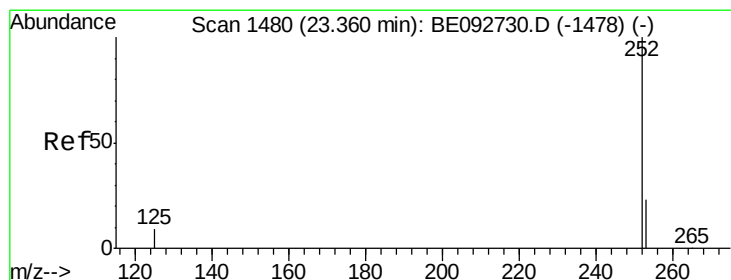
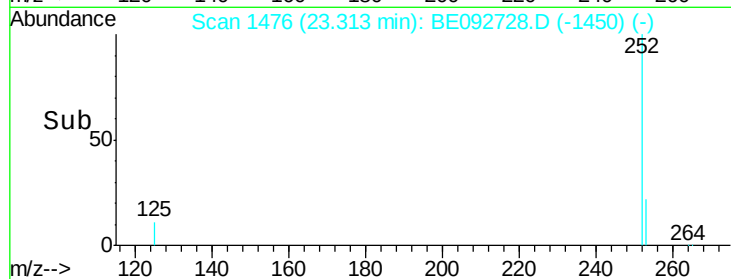
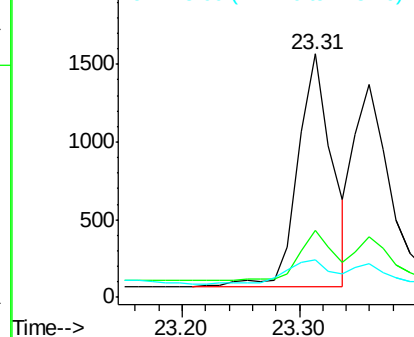
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.7	28.1
125	15.3	10.5	15.7

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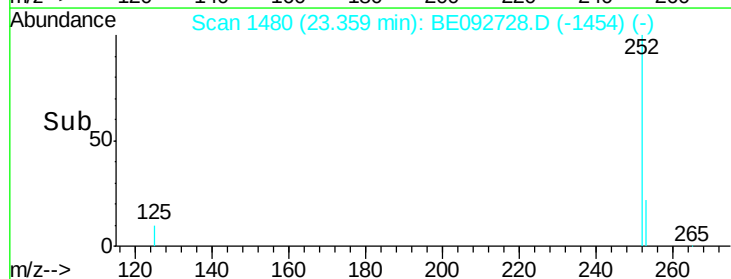
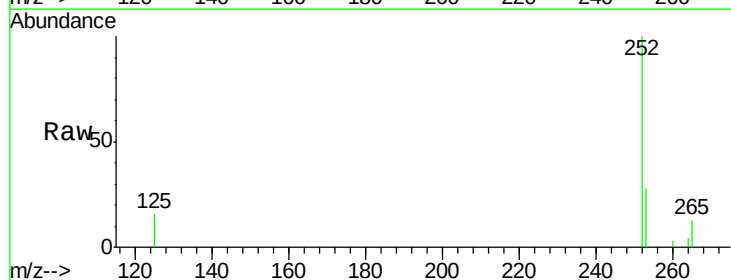
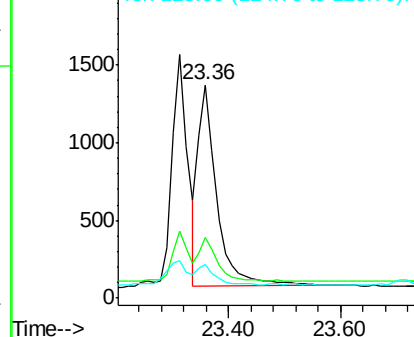
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

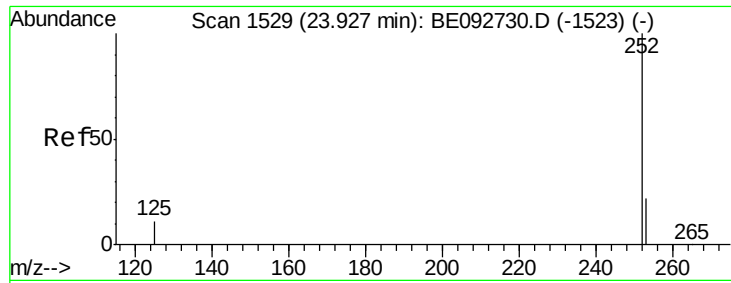


#33
Benzo(k)fluoranthene
Concen: 0.17 ng
RT: 23.36 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BE092728.D
Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	20.3	30.5
125	15.5	9.6	14.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#34

Benzo(a)pyrene

Concen: 0.14 ng

RT: 23.93 min Scan# 1529

Delta R.T. -0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Instrument :

BNA_E

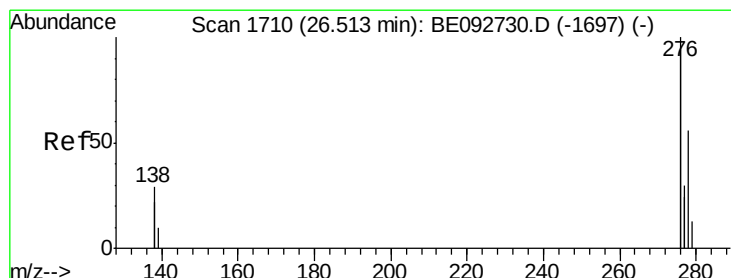
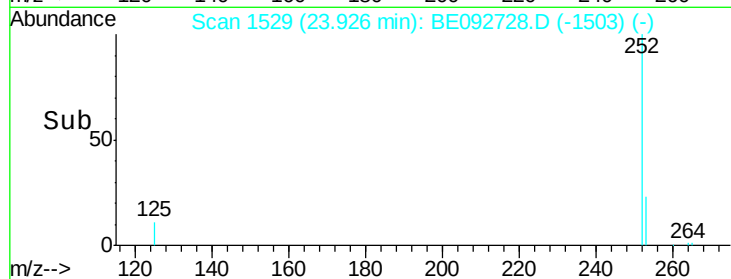
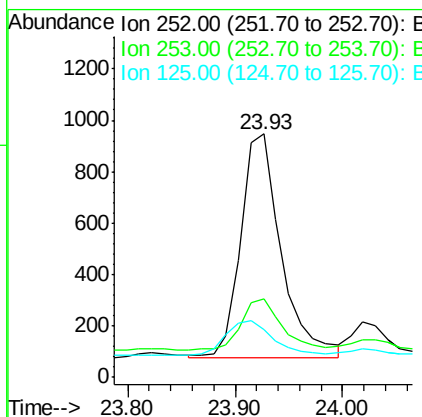
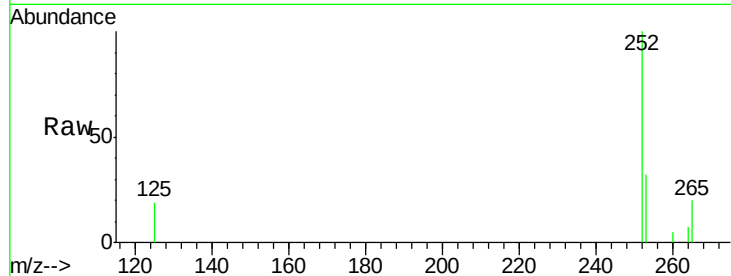
ClientSampleId :

SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	19.0	28.6#
125	19.4	11.8	17.8#

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#35

Dibenzo(a,h)anthracene

Concen: 0.17 ng

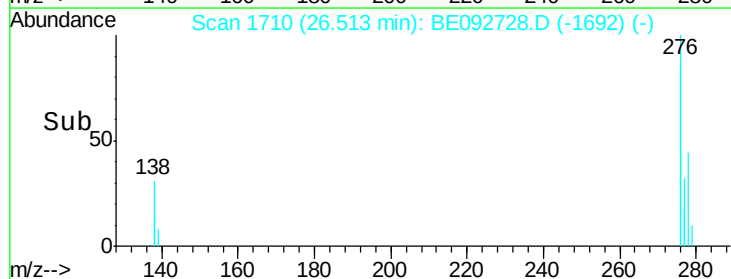
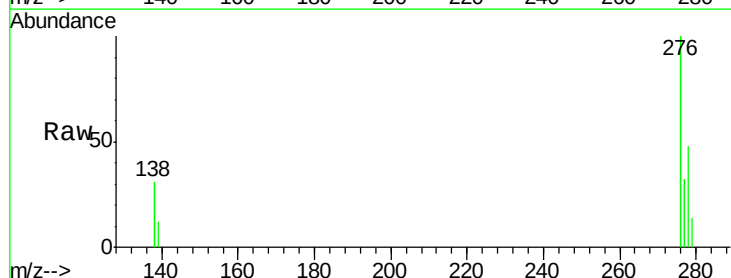
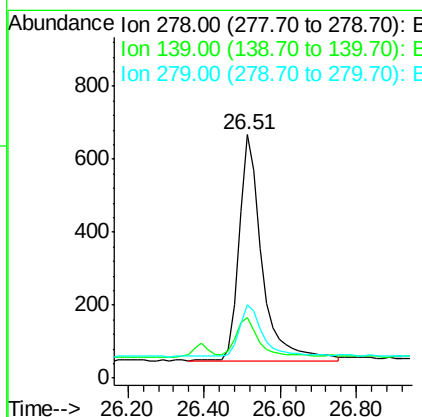
RT: 26.51 min Scan# 1710

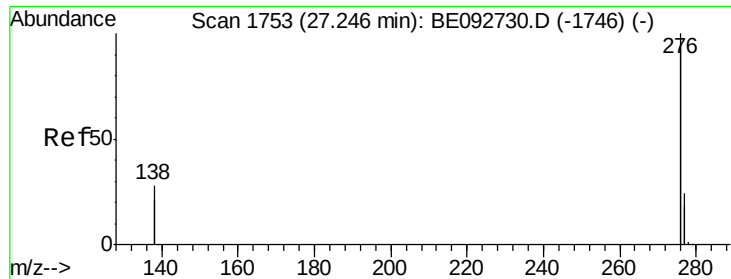
Delta R.T. 0.00 min

Lab File: BE092728.D

Acq: 15 Feb 2017 11:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	13.8	20.8#
279	30.4	21.4	32.2





#36
 Benzo(g,h,i)perylene
 Concen: 0.17 ng
 RT: 27.26 min Scan# 1754
 Delta R.T. 0.02 min
 Lab File: BE092728.D
 Acq: 15 Feb 2017 11:48

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt	Ion	276	Resp:	11497
Ion	Ratio	Lower	Upper	
276	100			
277	29.3	19.8	29.8	
138	28.6	19.8	29.6	

Manual Integrations
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