

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011617\
 Data File : BE092653.D
 Acq On : 16 Jan 2017 15:49
 Operator : UM/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Manual Integrations
 APPROVED

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 1/17/2017 4:40:12 PM

Quant Time: Jan 16 17:48:40 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 15:00:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9966	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	47089	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	31968	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	73338	5.00	ng	0.00
24) Chrysene-d12	21.72	240	71830	5.00	ng	0.00
31) Perylene-d12	24.06	264	76577	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	7079	4.67	ng	-0.01
5) Phenol-d6	7.31	99	9268	4.27	ng	-0.02
8) Nitrobenzene-d5	9.29	82	10234	3.88	ng	-0.05
13) 2,4,6-Tribromophenol	16.27	330	2859	3.96	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	24545	3.21	ng	-0.02
26) Terphenyl-d14	20.14	244	33166	3.77	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	4345	2.97	ng	94
3) n-Nitrosodimethylamine	3.73	42	5935	4.86	ng	92
6) bis(2-Chloroethyl)ether	7.54	93	9586	4.25	ng	# 84
9) Naphthalene	10.95	128	30122	3.12	ng	# 96
10) Hexachlorobutadiene	11.24	225	4467	3.05	ng	100
11) 2-Methylnaphthalene	12.59	142	19860	3.23	ng	93
15) Acenaphthylene	14.49	152	143312	3.25	ng	100
16) Acenaphthene	14.85	154	21662	2.98	ng	92
17) Fluorene	15.83	166	28383	3.18	ng	99
19) Hexachlorobenzene	16.87	284	7560m	2.41	ng	
20) Pentachlorophenol	17.21	266	2829	5.31	ng	# 86
21) Phenanthrene	17.58	178	48444	2.62	ng	95
22) Anthracene	17.67	178	47898	2.83	ng	99
23) Fluoranthene	19.58	202	218098	2.73	ng	99
25) Pyrene	19.93	202	234359	3.70	ng	100
27) Benzo(a)anthracene	21.70	228	217178m	3.37	ng	
28) Chrysene	21.75	228	257990m	3.45	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	40600	5.81	ng	# 71
30) Indeno(1,2,3-cd)pyrene	26.53	276	271452	4.02	ng	98
32) Benzo(b)fluoranthene	23.34	252	61881	3.51	ng	# 97
33) Benzo(k)fluoranthene	23.38	252	59724	3.04	ng	95
34) Benzo(a)pyrene	23.95	252	58157	3.42	ng	# 95
35) Dibenzo(a,h)anthracene	26.55	278	55866	3.46	ng	96
36) Benzo(g,h,i)perylene	27.28	276	229470	3.32	ng	97

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

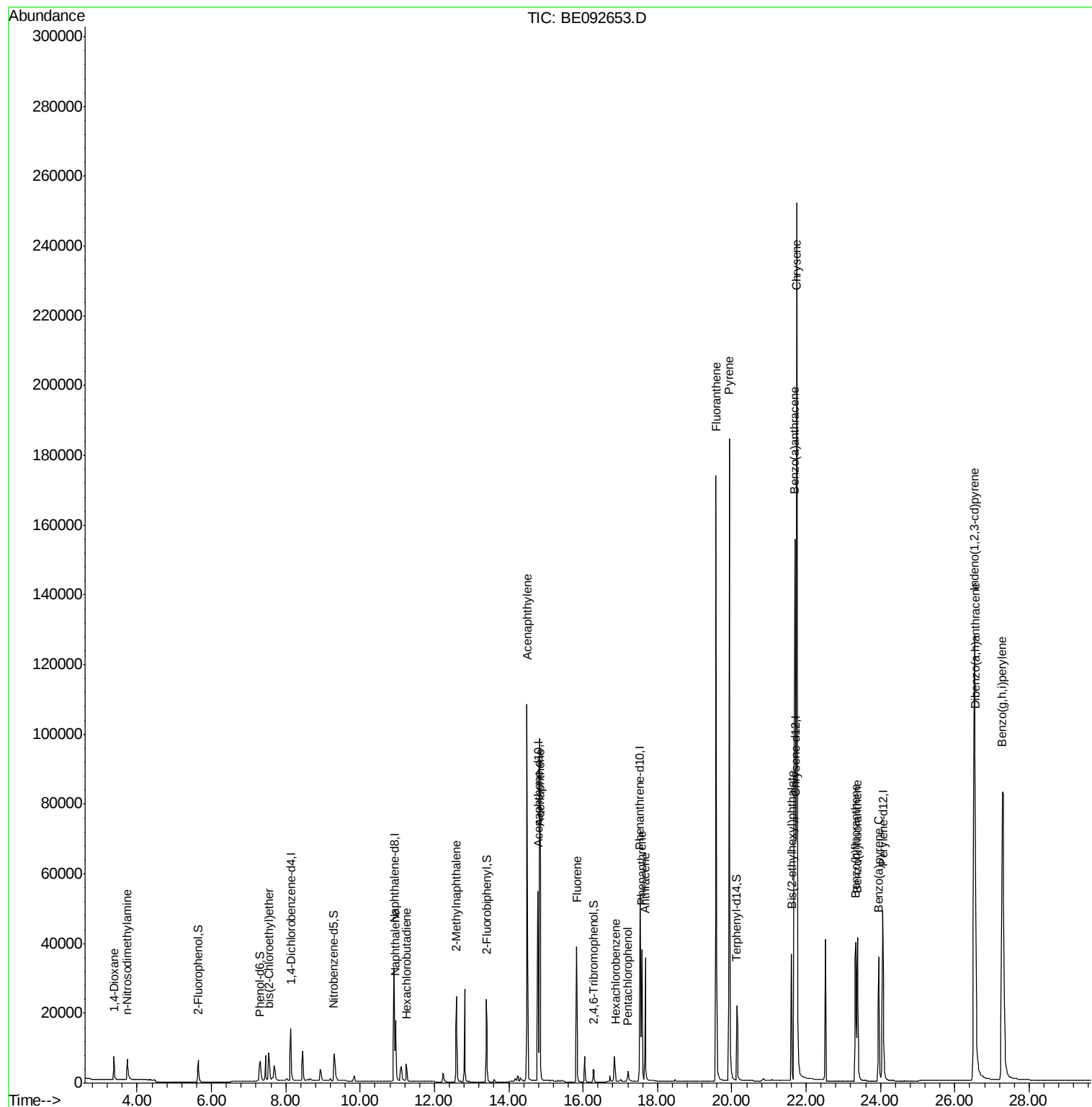
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011617\
Data File : BE092653.D
Acq On : 16 Jan 2017 15:49
Operator : UM/SJ
Sample : SSTDIC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

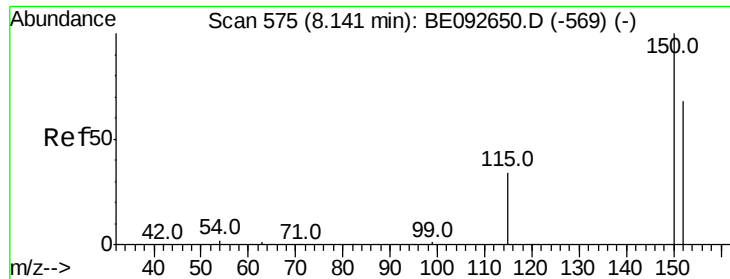
Instrument :
BNA_E
ClientSampleID :
SSTDICC3.2

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Quant Time: Jan 16 17:48:40 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 16 15:00:30 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

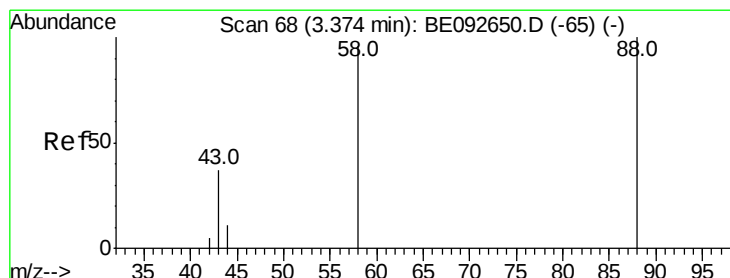
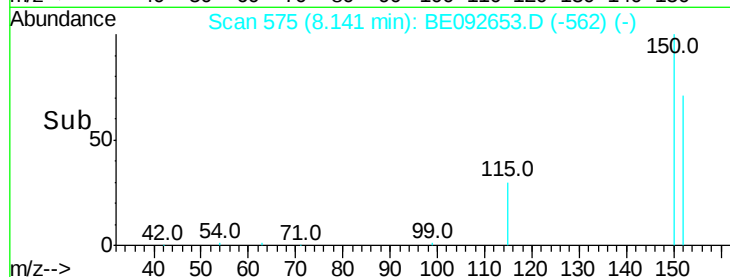
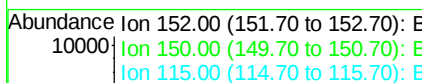
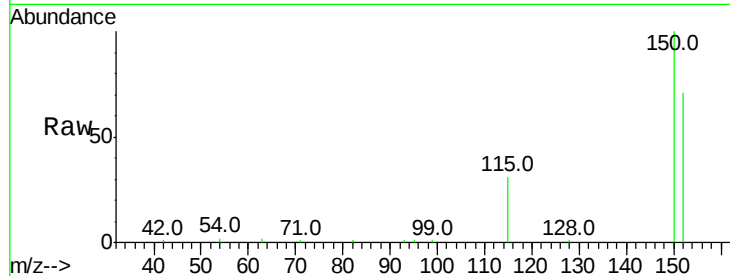
ClientSampleId :

SSTDICC3.2

Tot Ion:	152	Resp:	9966
Ion	Ratio	Lower	Upper
152	100		
150	141.2	106.0	159.0
115	43.8	31.2	46.8

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#2

1,4-Dioxane

Concen: 2.97 ng

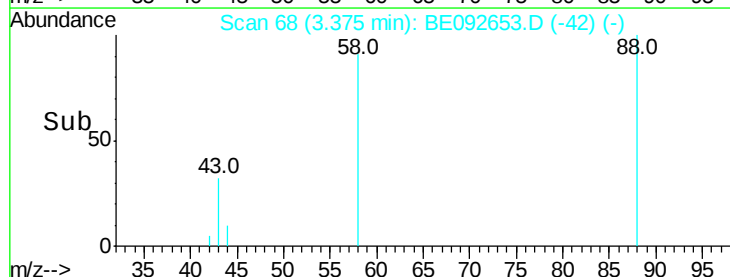
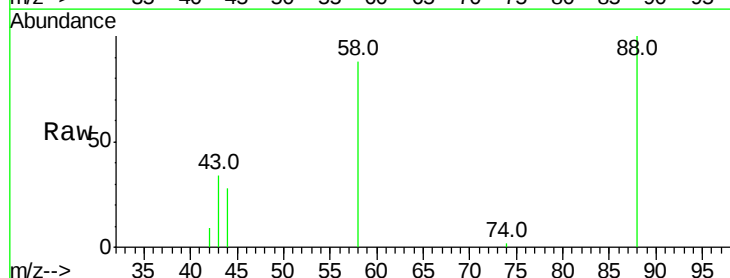
RT: 3.38 min Scan# 68

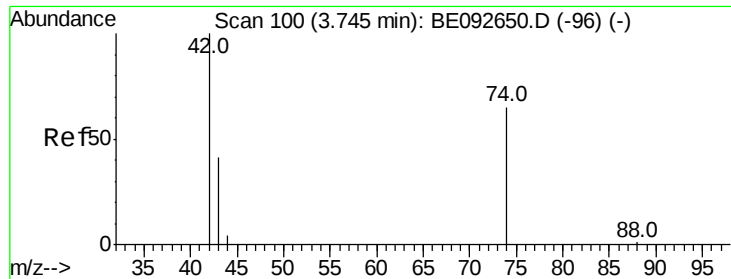
Delta R.T. 0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:	88	Resp:	4345
Ion	Ratio	Lower	Upper
88	100		
58	86.3	63.6	95.4
43	36.8	28.0	42.0





#3

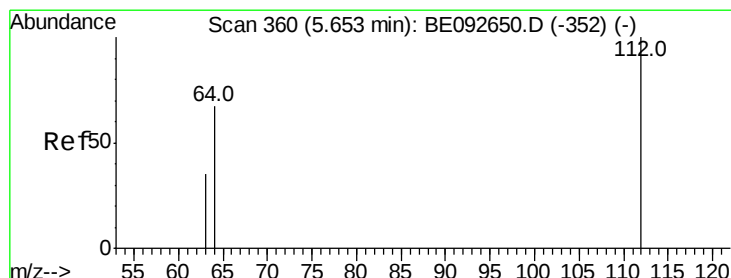
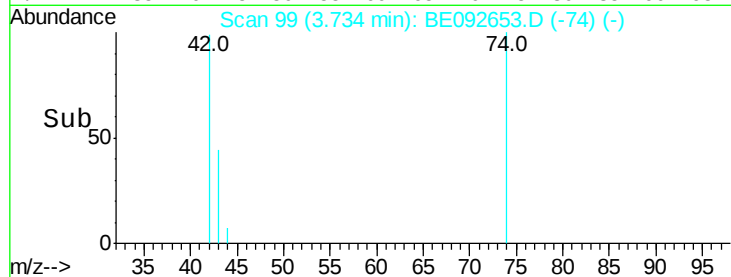
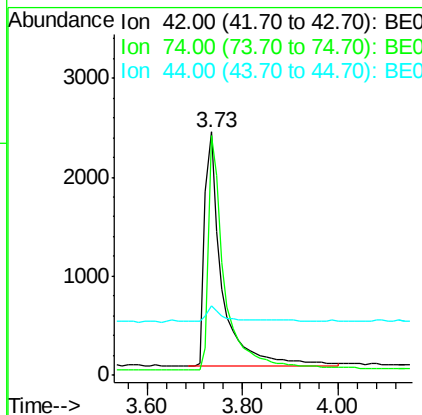
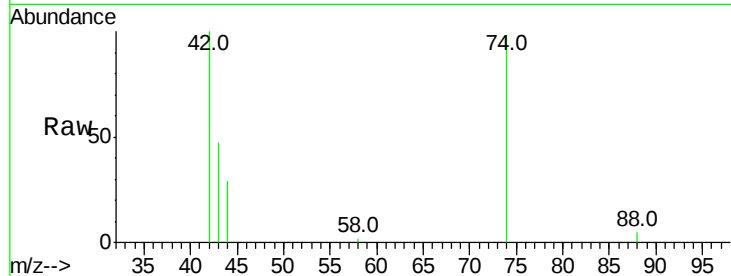
n-Nitrosodimethylamine
Concen: 4.86 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.01 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
42	100		
74	98.6	86.0	129.0
44	6.3	5.1	7.7

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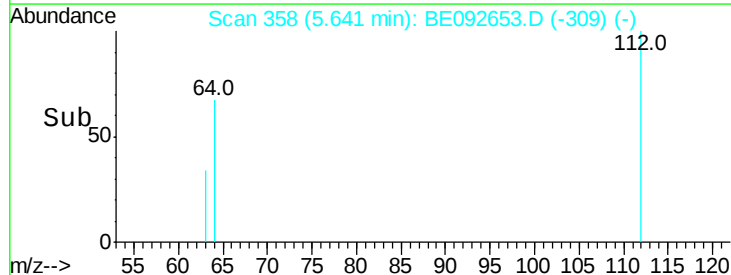
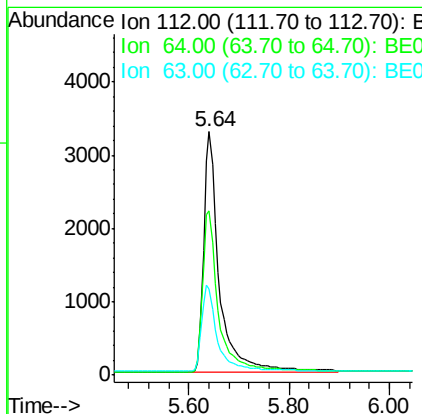
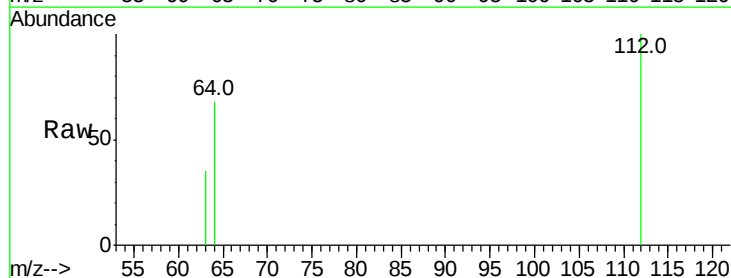
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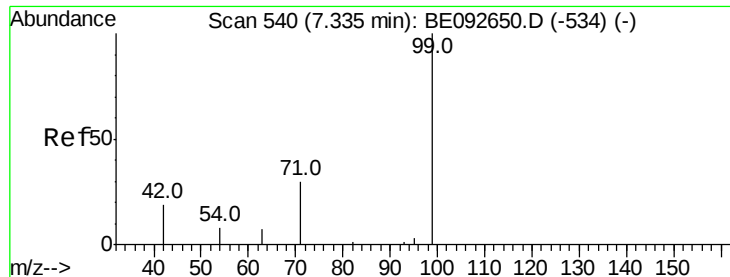


#4

2-Fluorophenol
Concen: 4.67 ng
RT: 5.64 min Scan# 358
Delta R.T. -0.01 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	53.5	80.3
63	36.6	27.9	41.9





#5

Phenol-d6

Concen: 4.27 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

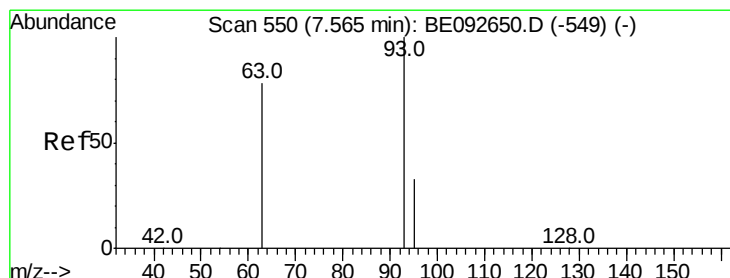
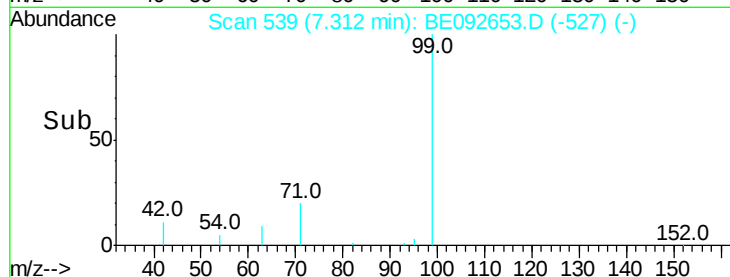
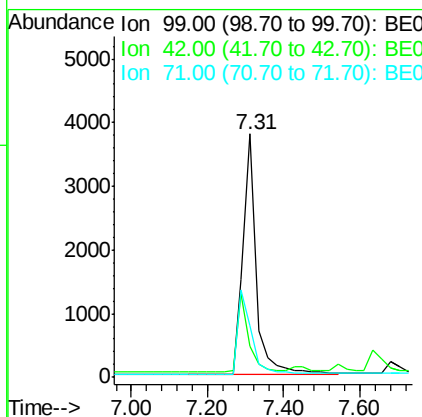
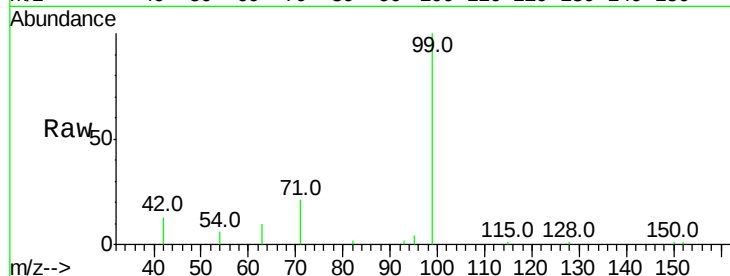
ClientSampleId :

SSTDICC3.2

Tot Ion:	99	Resp:	9268
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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#6

bis(2-Chloroethyl)ether

Concen: 4.25 ng

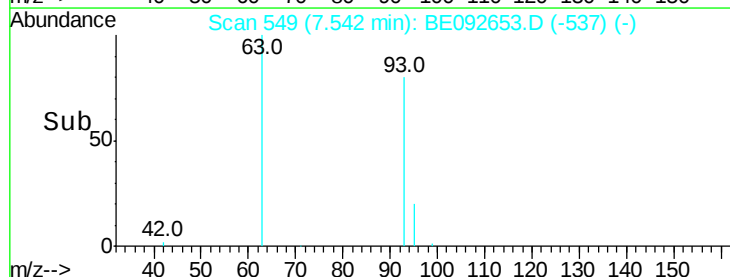
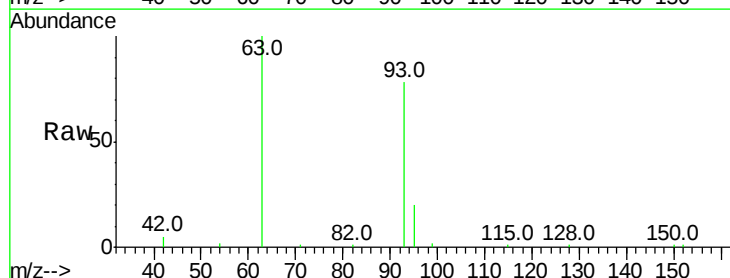
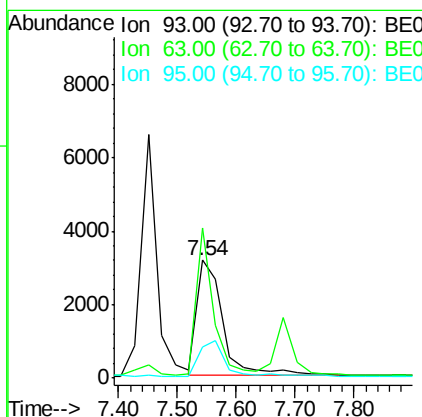
RT: 7.54 min Scan# 549

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:	93	Resp:	9586
Ion Ratio	Lower	Upper	
93	100		
63	86.4	71.6	107.4
95	0.0	24.0	36.0#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

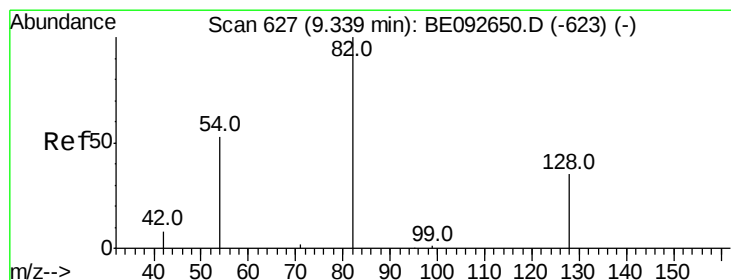
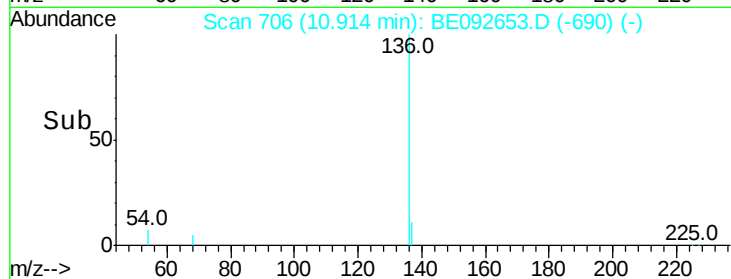
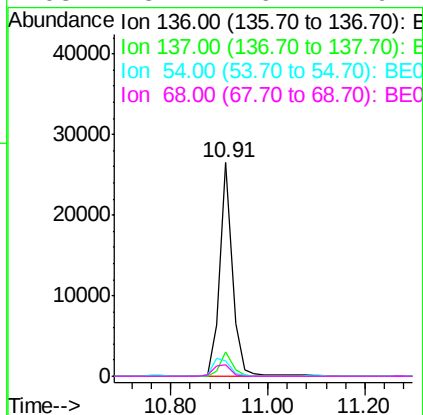
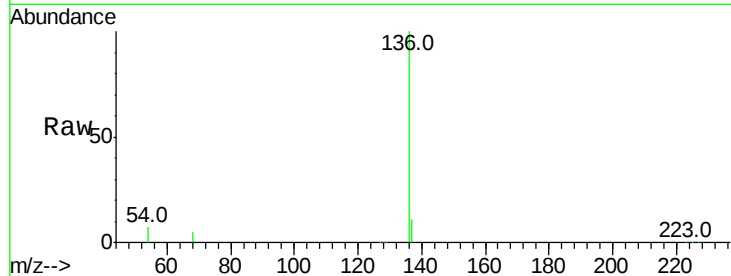
ClientSampleId :

SSTDICC3.2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.2	12.4	
54	7.3	9.6	14.4	
68	5.4	6.7	10.1	

Manual Integrations
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#8

Nitrobenzene-d5

Concen: 3.88 ng

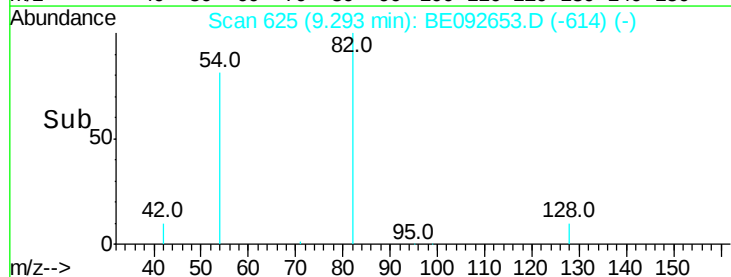
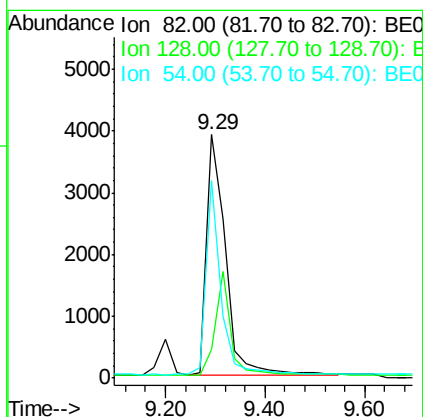
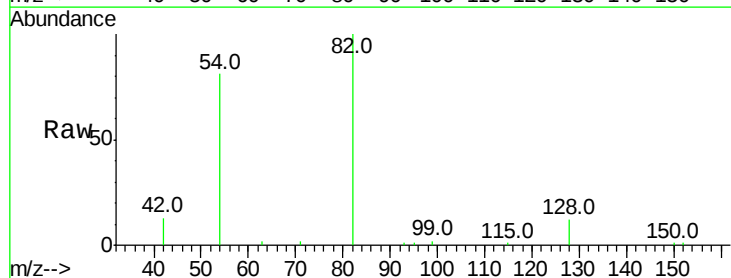
RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	11.6	39.0	58.4	
54	81.1	44.8	67.2	





#9

Naphthalene

Concen: 3.12 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

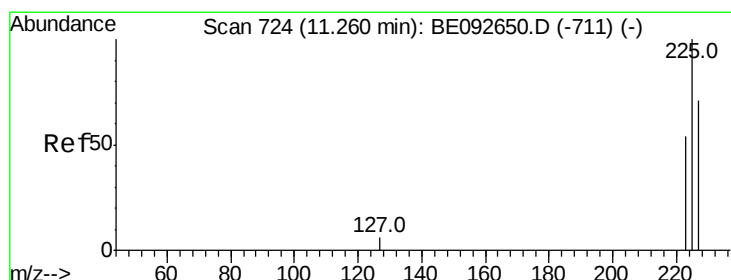
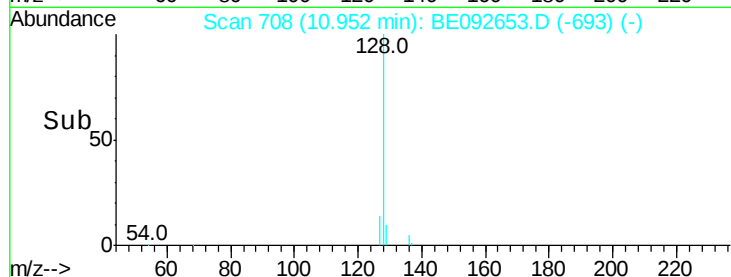
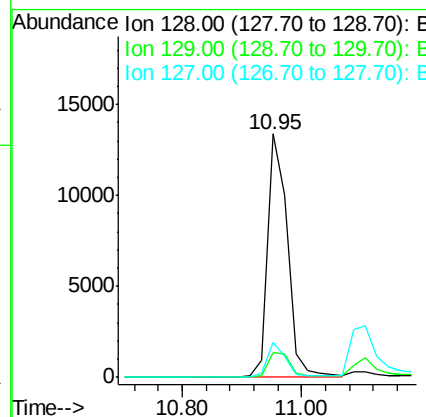
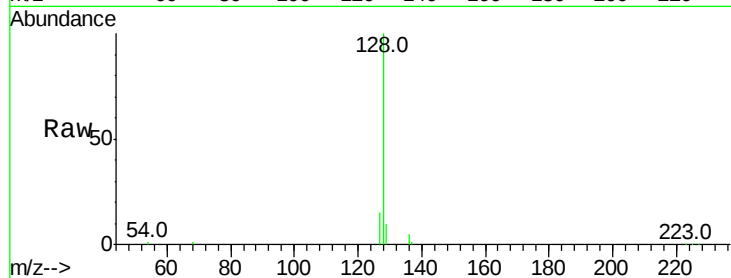
ClientSampleId :

SSTDICC3.2

Tot Ion:	128	Resp:	30122
Ion Ratio	Lower	Upper	
128	100		
129	10.4	11.2	16.8#
127	14.6	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 3.05 ng

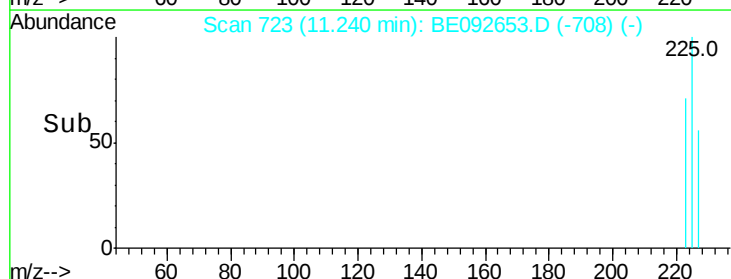
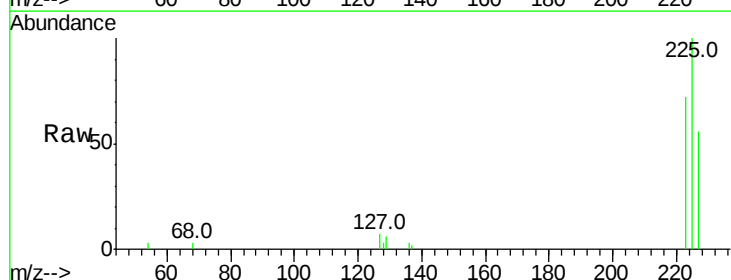
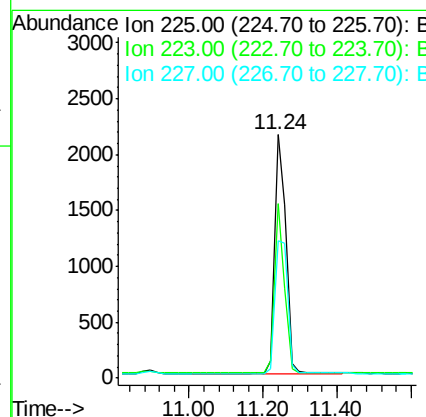
RT: 11.24 min Scan# 723

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:	225	Resp:	4467
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.6	76.0
227	64.2	51.4	77.0





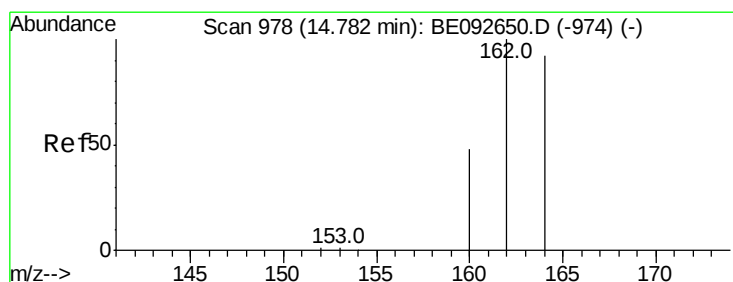
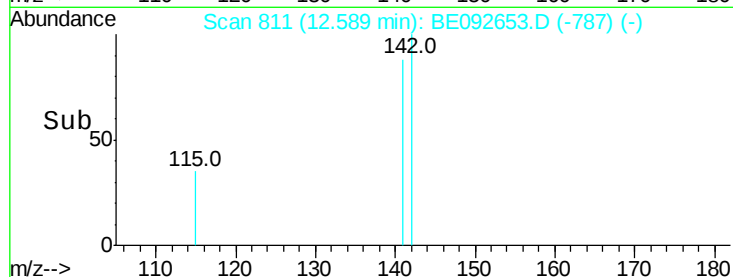
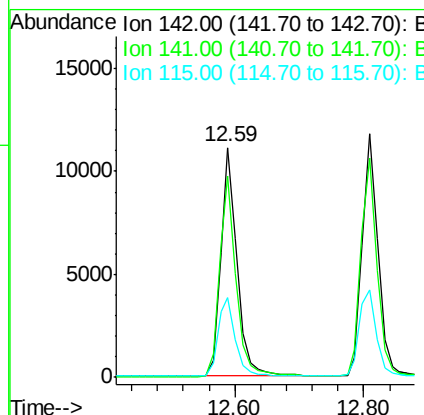
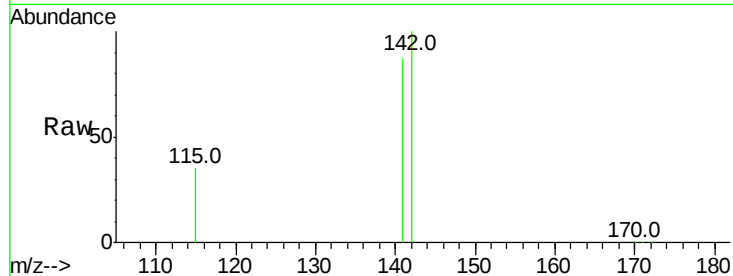
#11
2-Methylnaphthalene
Concen: 3.23 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion:142 Resp: 19860
Ion Ratio Lower Upper
142 100
141 87.5 73.7 110.5
115 34.6 34.0 51.0

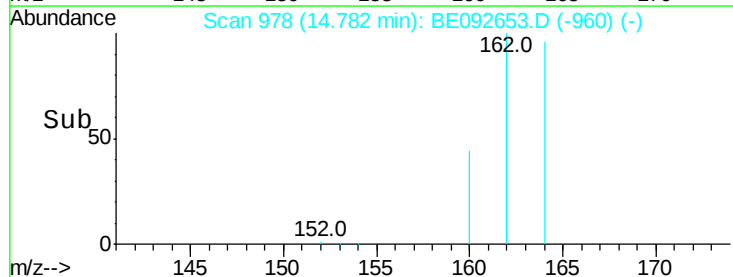
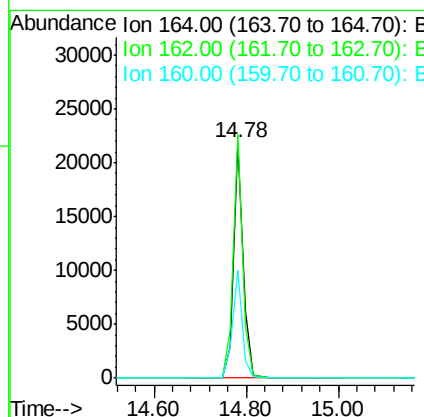
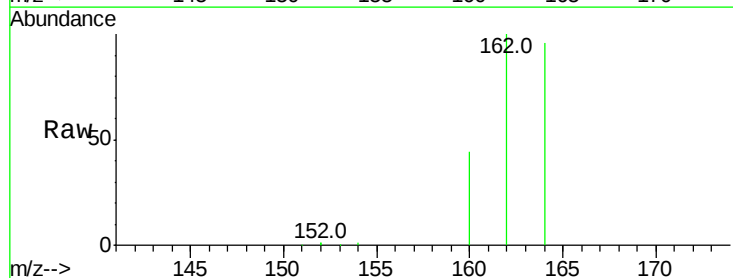
Manual Integrations
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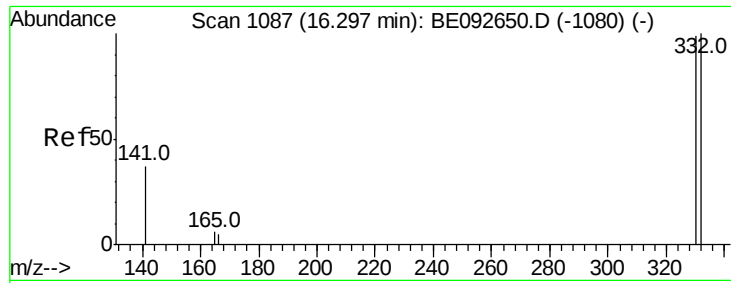
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion:164 Resp: 31968
Ion Ratio Lower Upper
164 100
162 103.7 71.4 107.0
160 45.8 27.4 41.2#





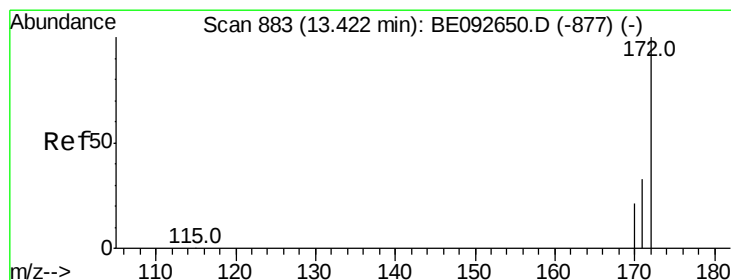
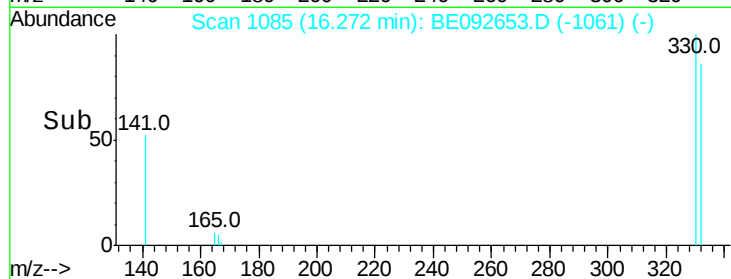
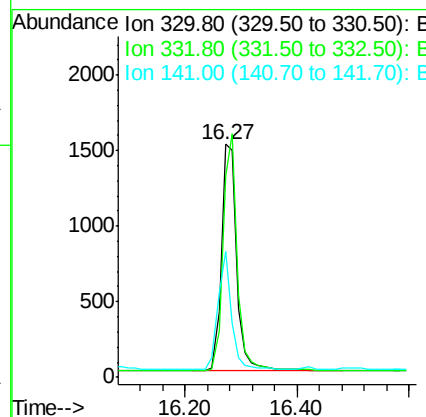
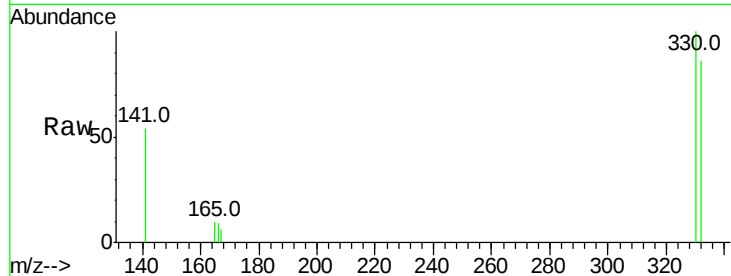
#13
 2,4,6-Tribromophenol
 Concen: 3.96 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092653.D
 Acq: 16 Jan 2017 15:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	45.1	31.0	46.6

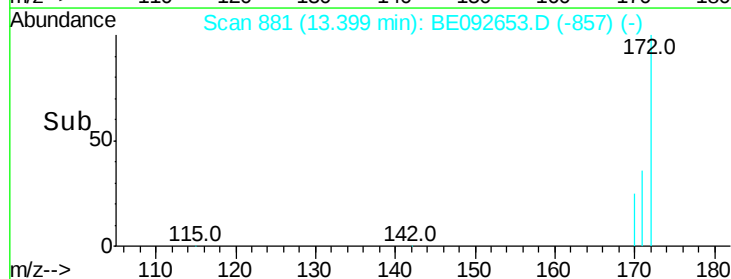
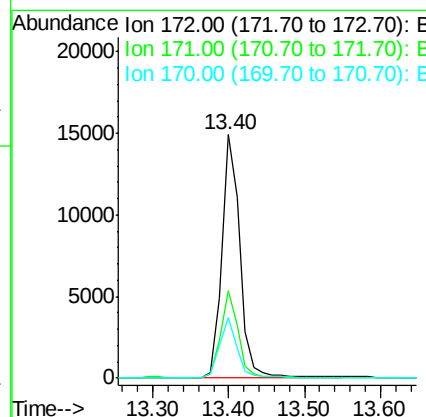
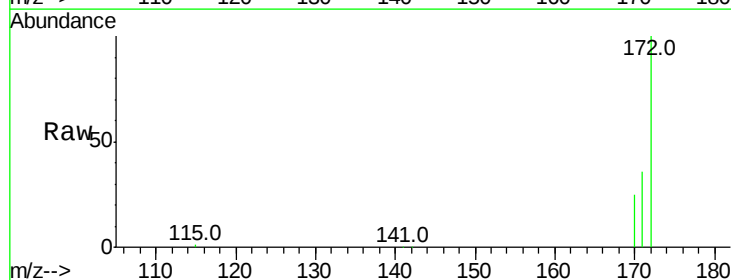
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#14
 2-Fluorobiphenyl
 Concen: 3.21 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092653.D
 Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.1	45.1
170	24.8	21.8	32.6





#15

Acenaphthylene

Concen: 3.25 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

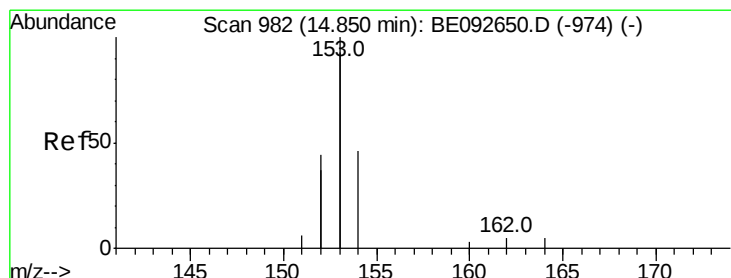
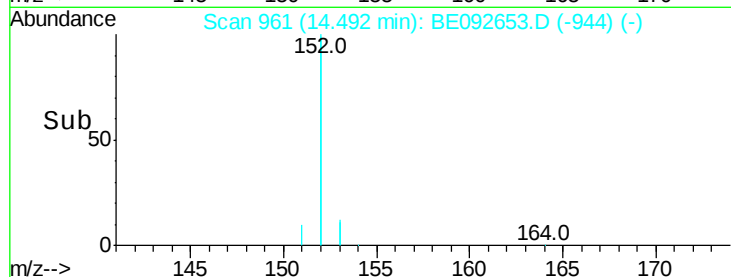
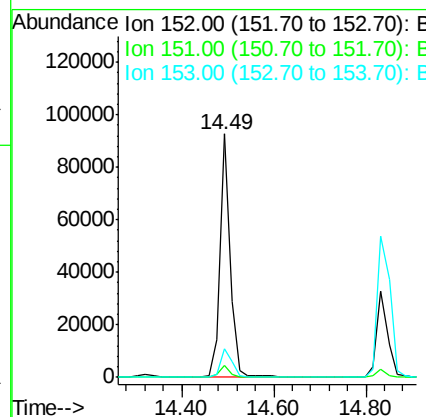
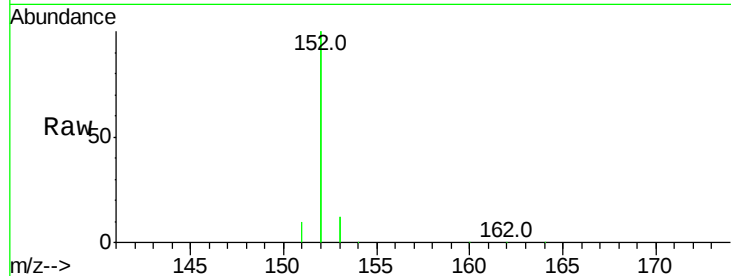
ClientSampleId :

SSTDICC3.2

Tot Ion:	152	Resp:	143312
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.9	5.9
153	13.0	10.4	15.6

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#16

Acenaphthene

Concen: 2.98 ng

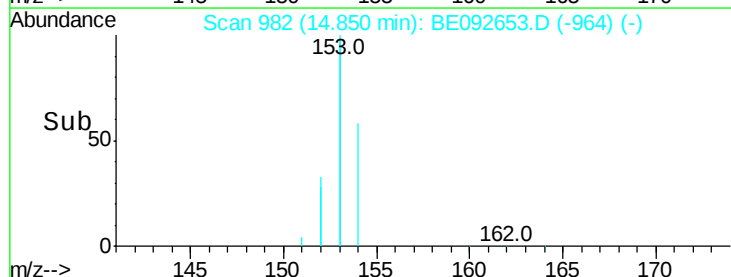
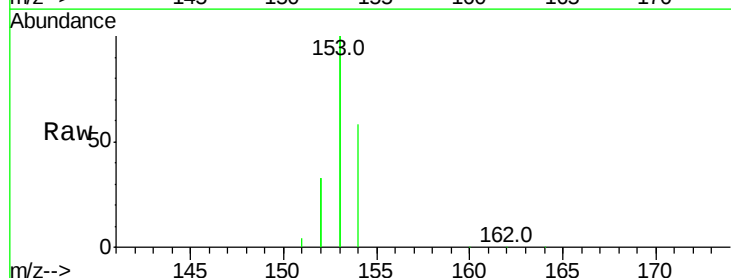
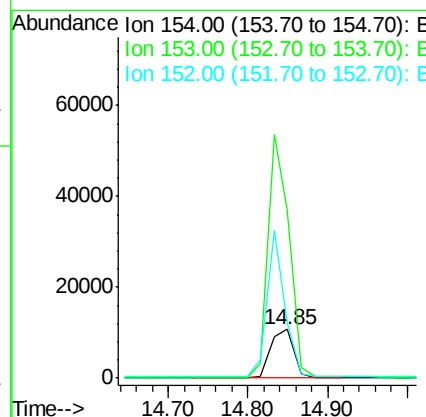
RT: 14.85 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:	154	Resp:	21662
Ion Ratio	Lower	Upper	
154	100		
153	454.5	350.8	526.2
152	232.9	171.1	256.7





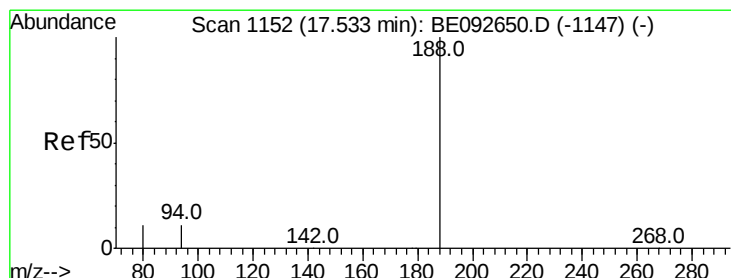
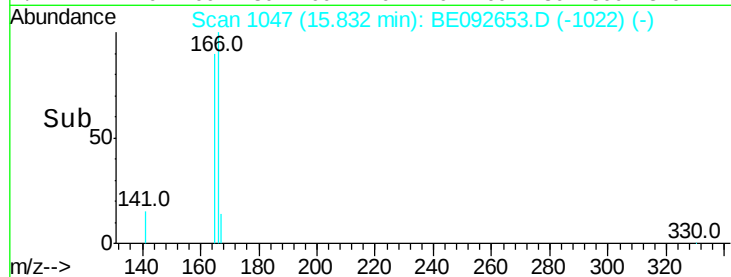
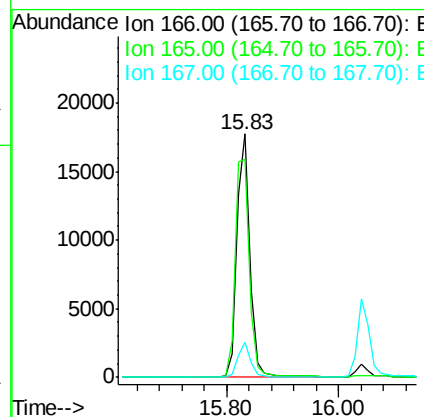
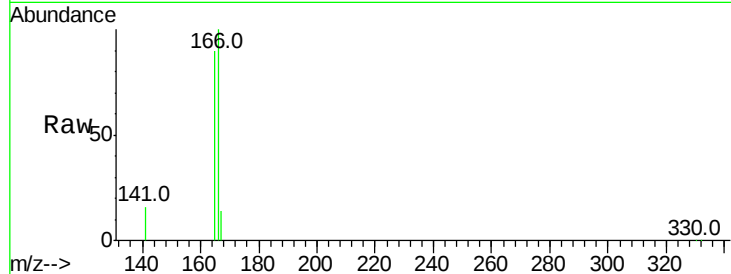
#17
Fluorene
 Concen: 3.18 ng
 RT: 15.83 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BE092653.D
 Acq: 16 Jan 2017 15:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.4
167	13.5	11.0	16.4

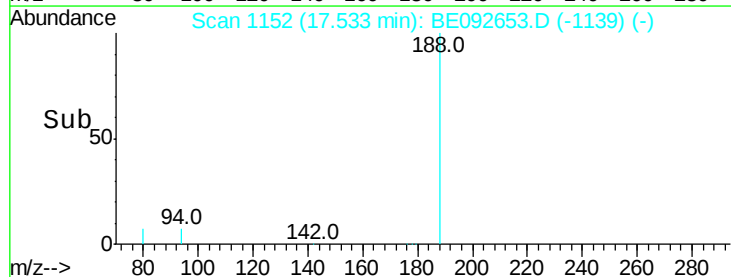
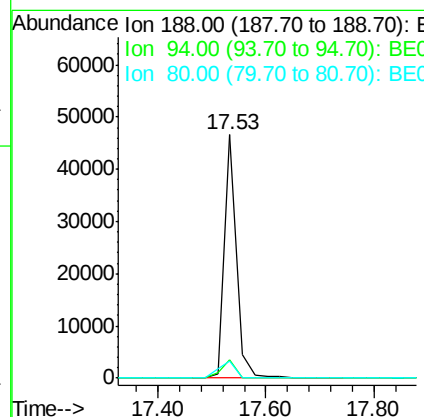
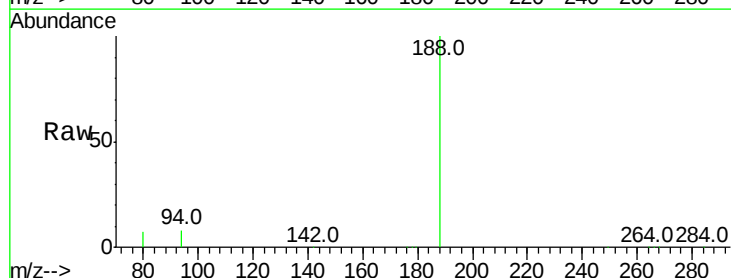
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE092653.D
 Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	3.2	4.8#
80	7.1	2.6	3.8#





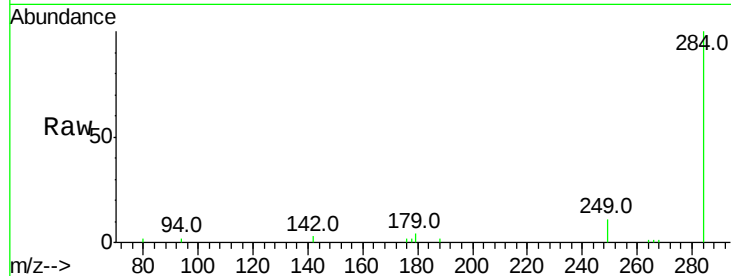
#19
Hexachlorobenzene
Concen: 2.41 ng/ml
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

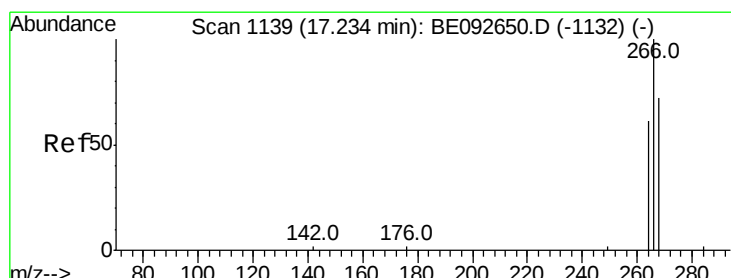
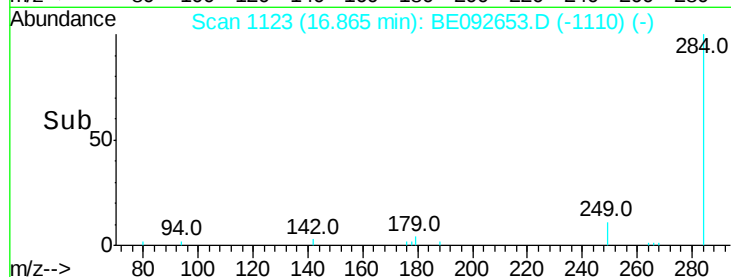
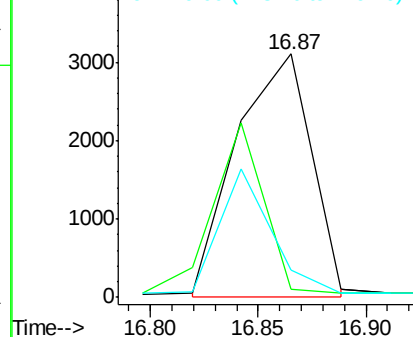
Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#

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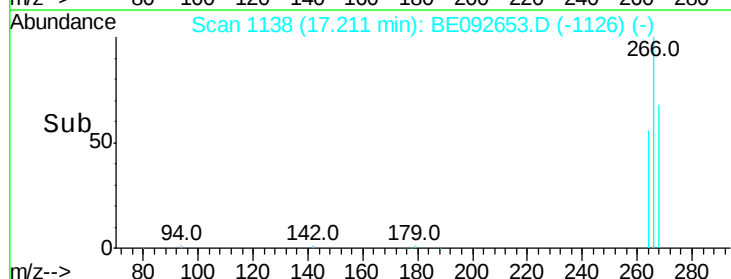
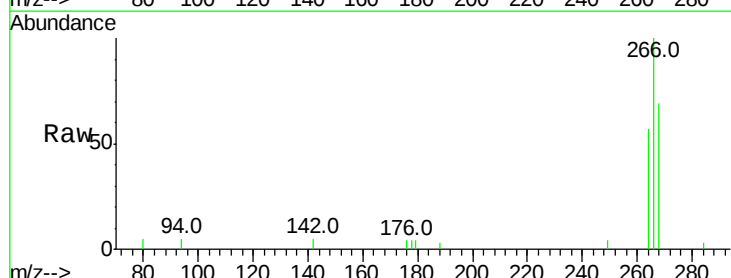
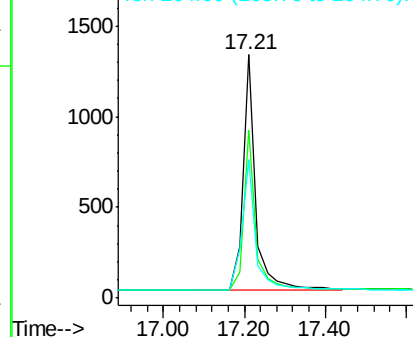
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

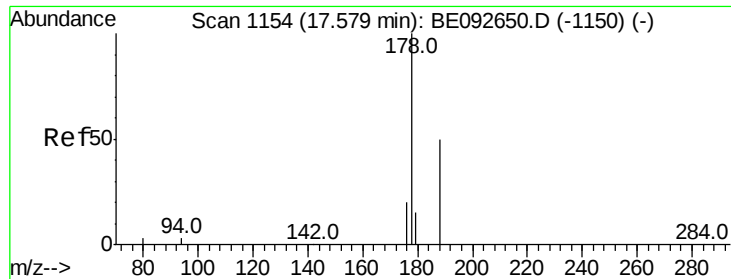


#20
Pentachlorophenol
Concen: 5.31 ng/ml
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.9	62.5	93.7
264	56.9	57.2	85.8#

Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





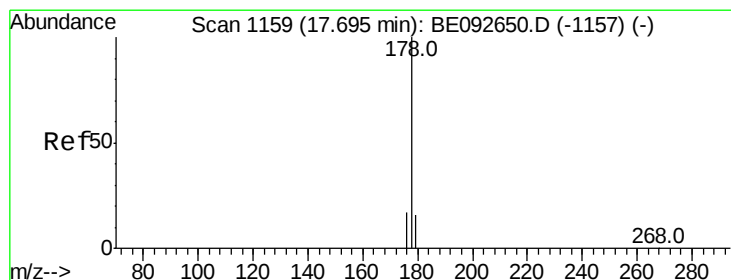
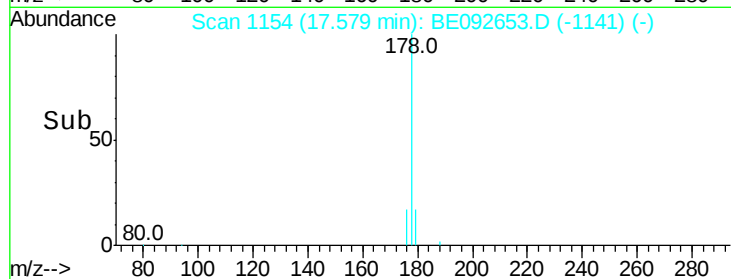
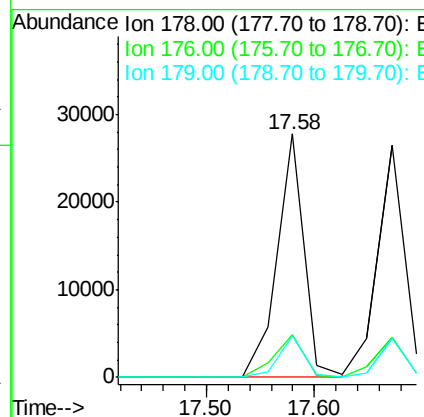
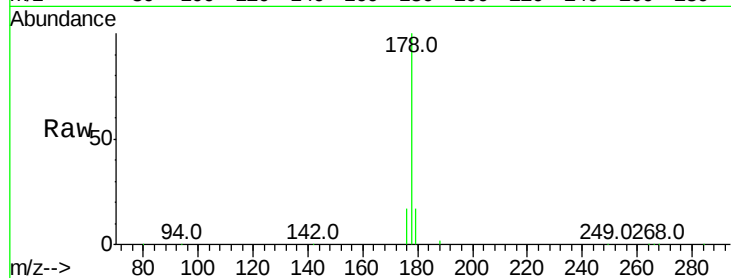
#21
Phenanthrene
Concen: 2.62 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.0	16.0	24.0

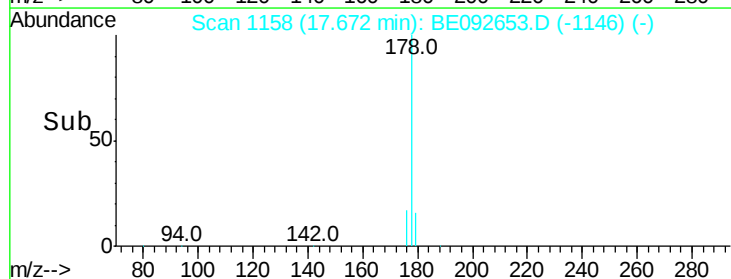
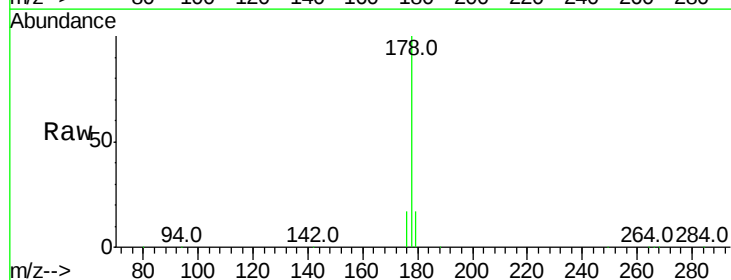
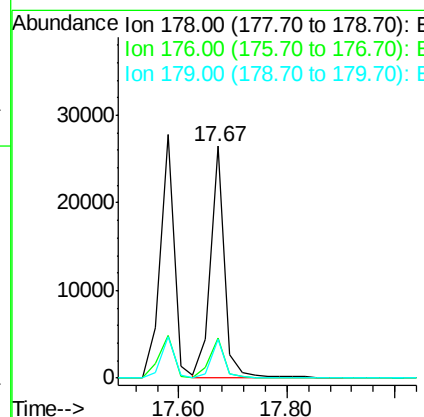
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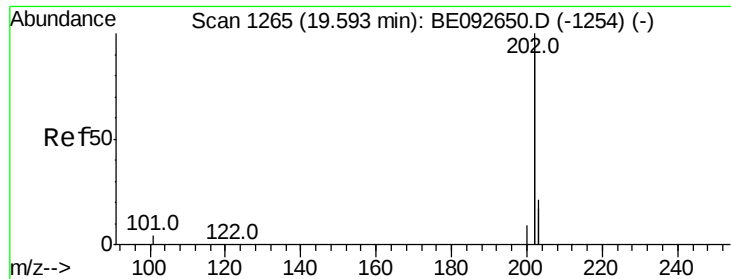
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#22
Anthracene
Concen: 2.83 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.9	12.2	18.2





#23

Fluoranthene

Concen: 2.73 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

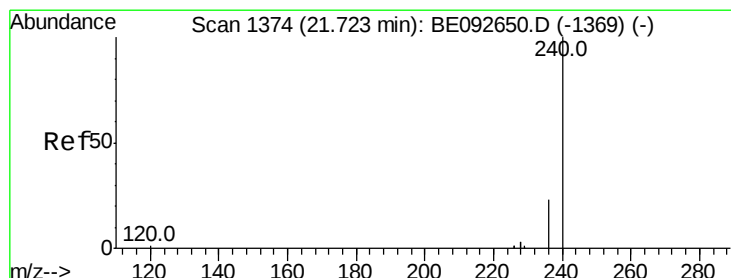
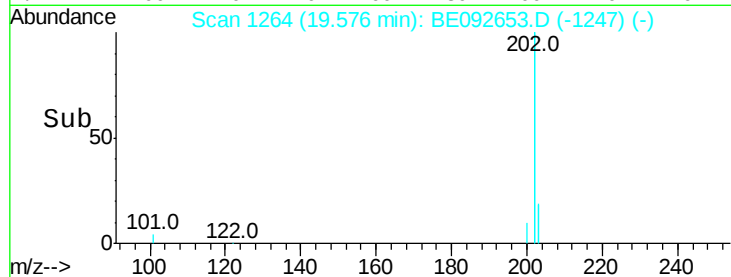
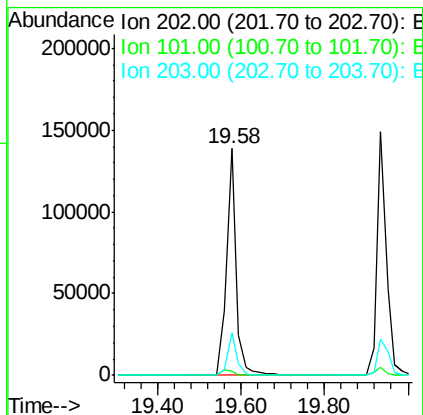
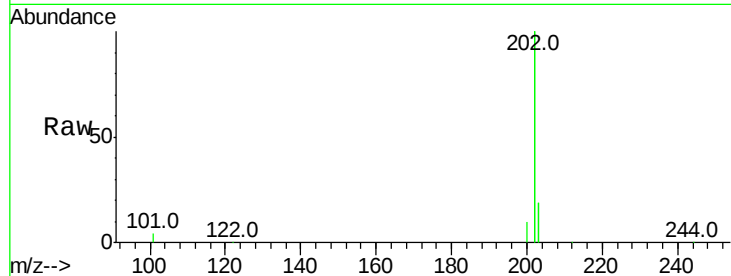
ClientSampleId :

SSTDICC3.2

Tot Ion:	202	Resp:	218098
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.7	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

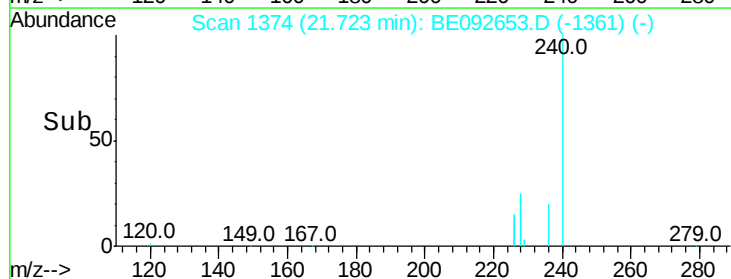
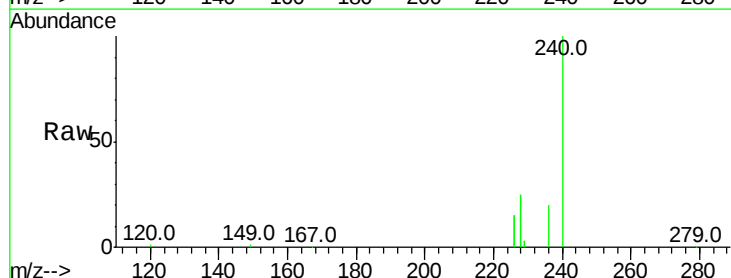
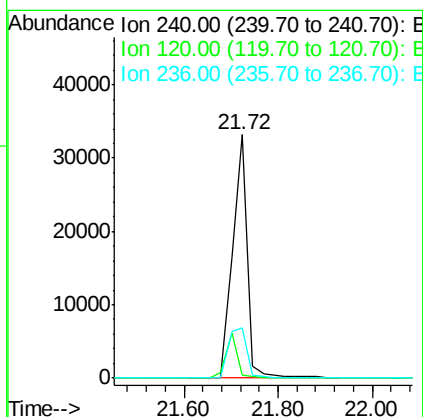
RT: 21.72 min Scan# 1374

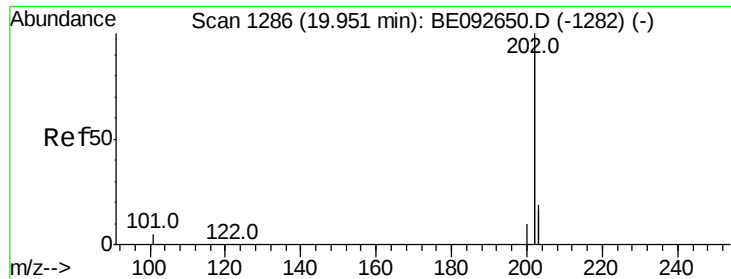
Delta R.T. -0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:	240	Resp:	71830
Ion Ratio	Lower	Upper	
240	100		
120	1.0	2.6	4.0#
236	20.5	24.6	37.0#





#25

Pvrene

Concen: 3.70 ng

RT: 19.93 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

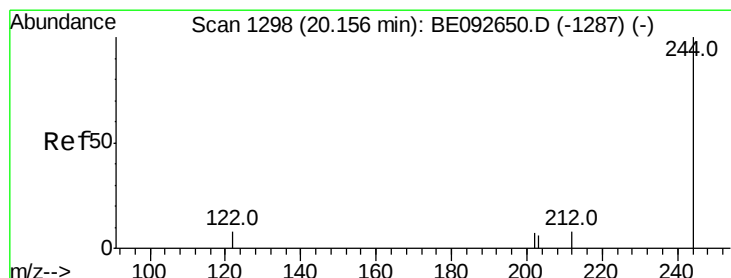
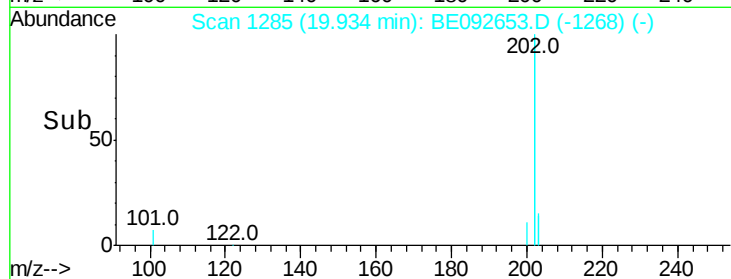
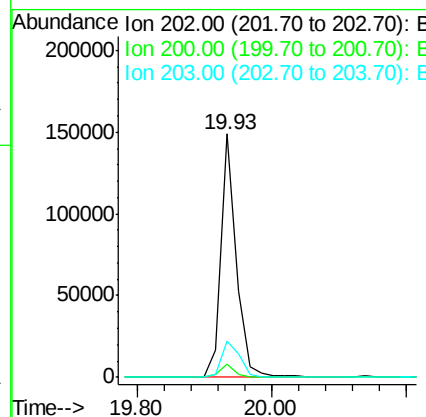
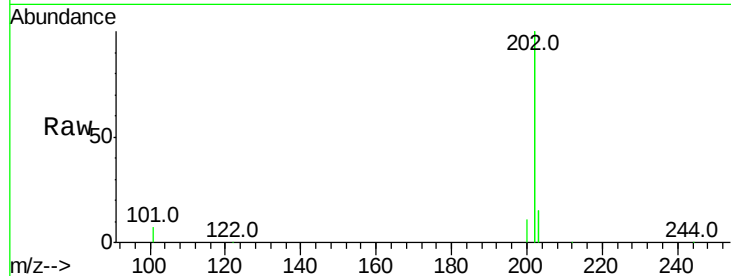
ClientSampleId :

SSTDICC3.2

Tot Ion:	202	Resp:	234359
Ion Ratio	Lower	Upper	
202	100		
200	5.4	4.2	6.4
203	17.4	13.9	20.9

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#26

Terphenyl-d14

Concen: 3.77 ng

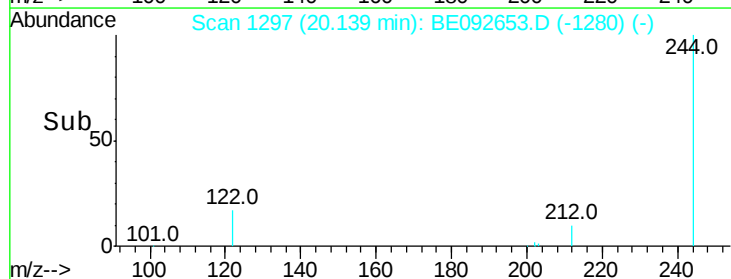
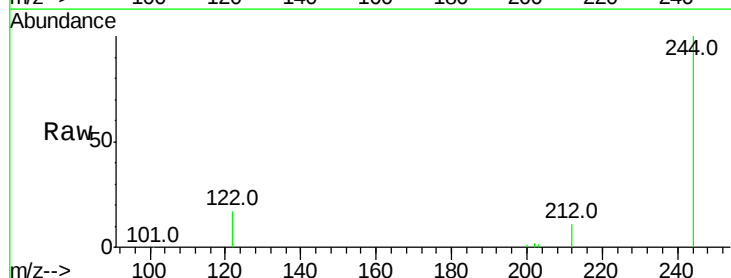
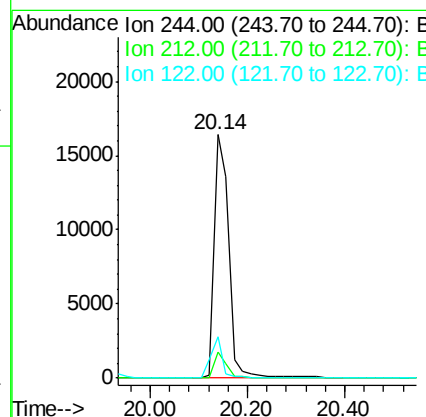
RT: 20.14 min Scan# 1297

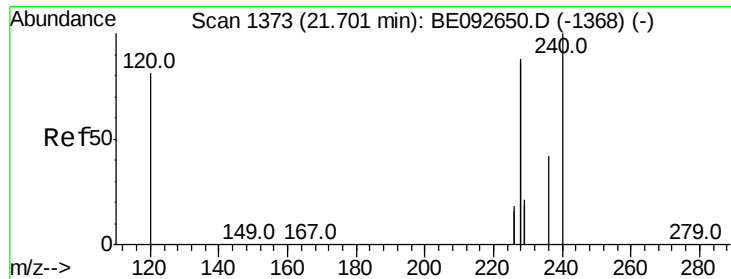
Delta R.T. -0.02 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:	244	Resp:	33166
Ion Ratio	Lower	Upper	
244	100		
212	10.6	6.7	10.1#
122	17.1	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 3.37 ng m

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

Tot Ion:228 Resp: 217178

Ion Ratio Lower Upper

228 100

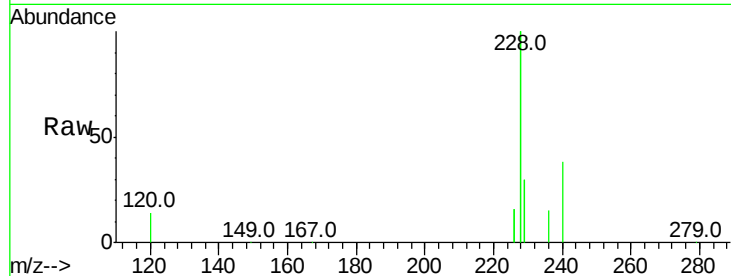
226 15.7 23.6 35.4#

229 30.2 13.3 19.9#

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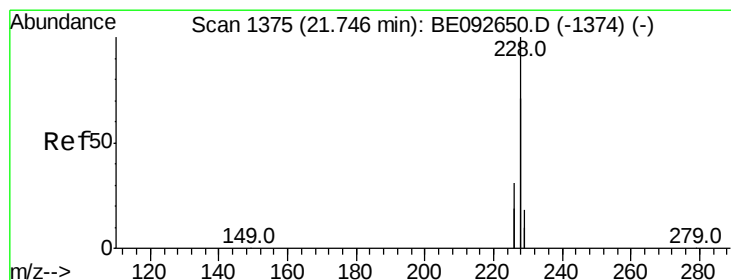
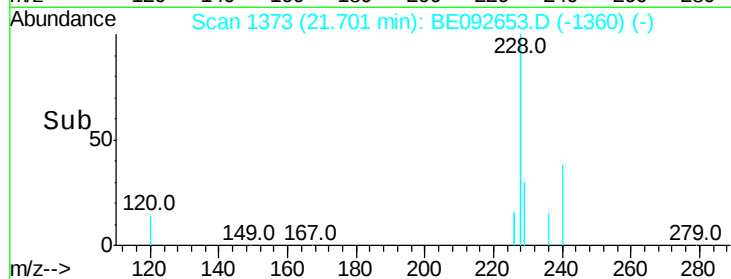
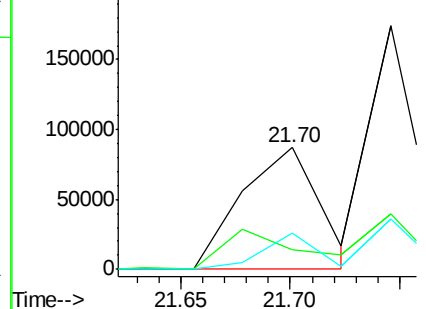
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#28

Chrysene

Concen: 3.45 ng m

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092653.D

Acq: 16 Jan 2017 15:49

Tgt Ion:228 Resp: 257990

Ion Ratio Lower Upper

228 100

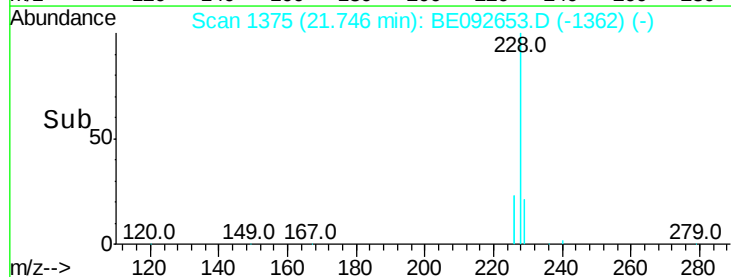
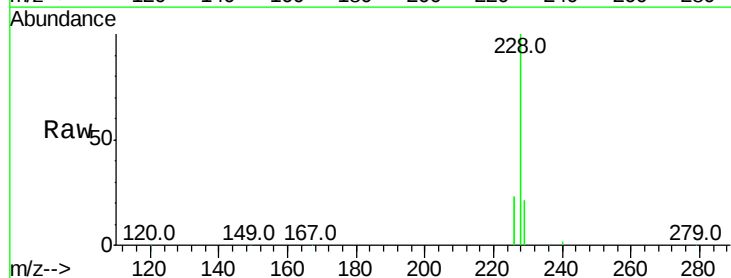
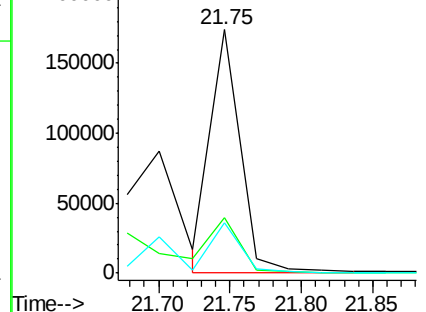
226 22.9 36.3 54.5#

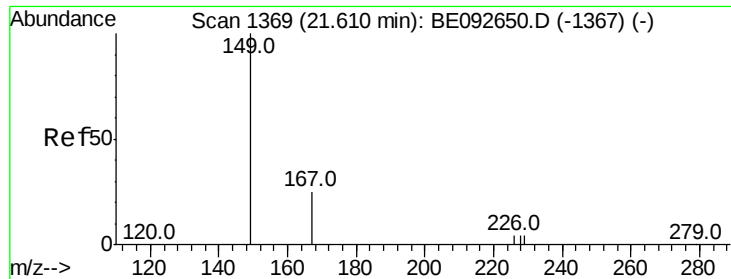
229 20.7 10.6 16.0#

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





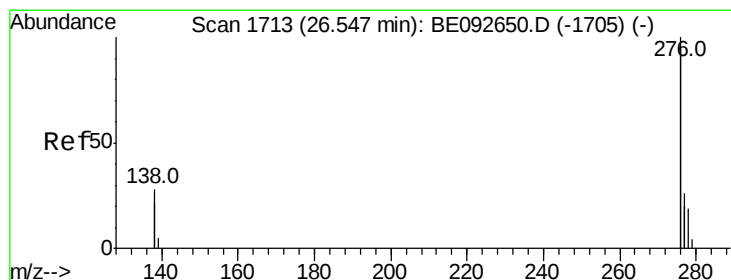
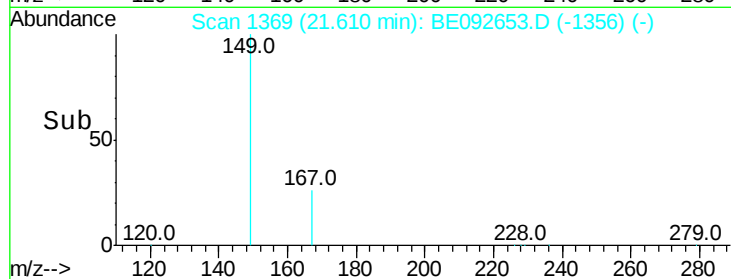
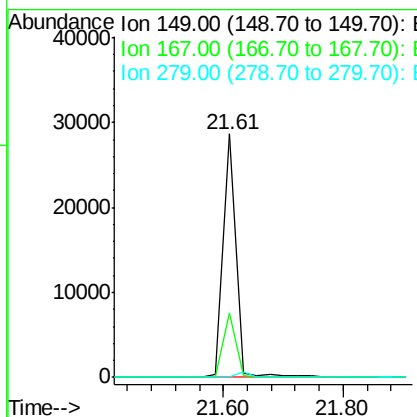
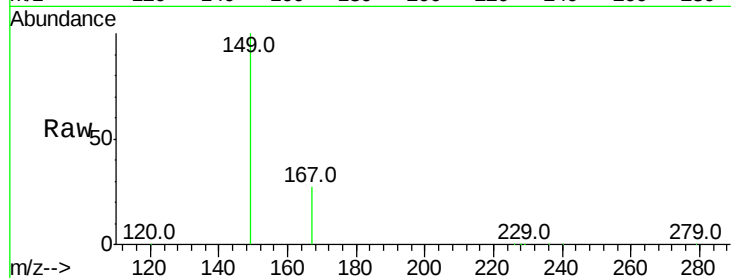
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 5.81 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: BE092653.D
 Acq: 16 Jan 2017 15:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Resp	Lower	Upper
149	100	40600		
167	26.3		16.0	24.0#
279	0.0		16.0	24.0#

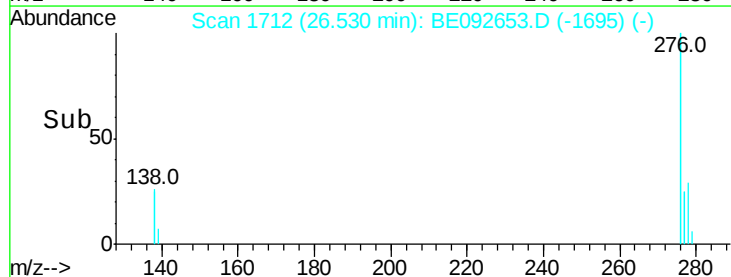
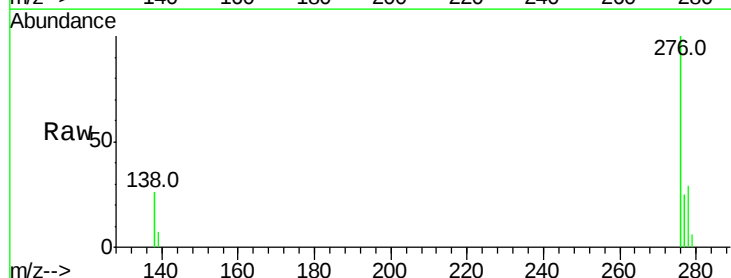
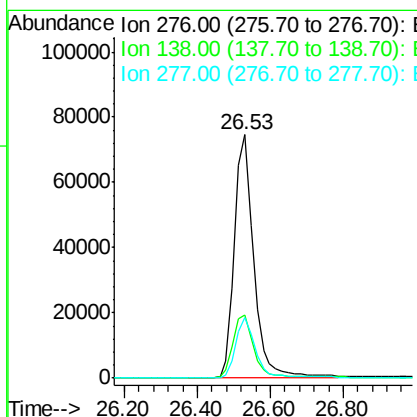
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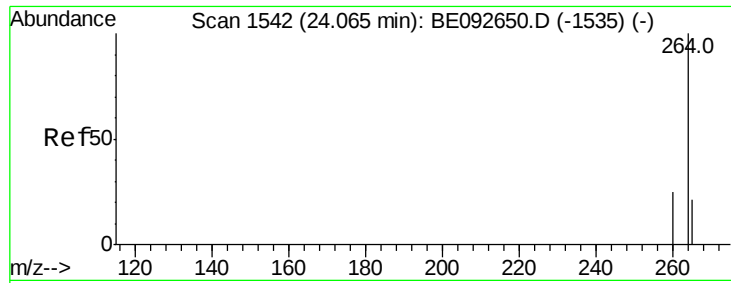
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 4.02 ng
 RT: 26.53 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BE092653.D
 Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	271452		
138	27.5		20.3	30.5
277	24.7		19.7	29.5





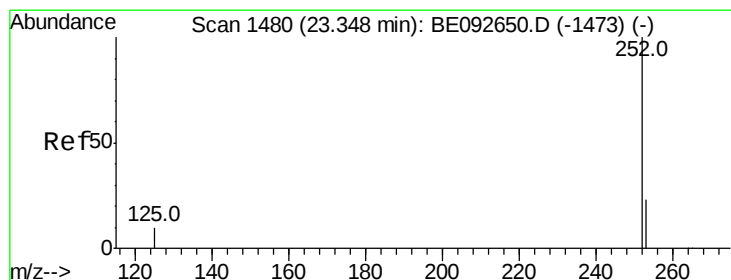
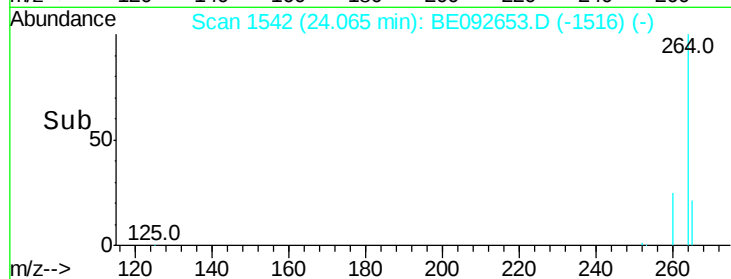
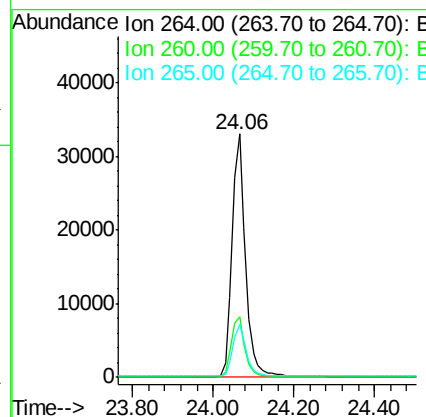
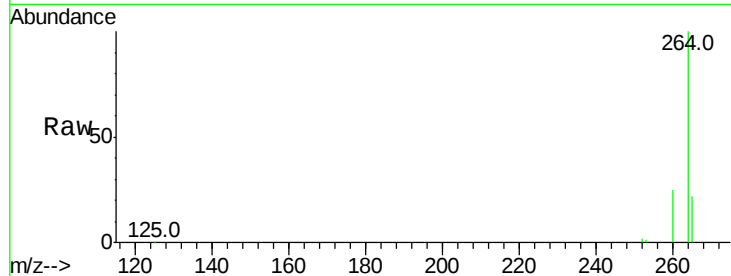
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	21.9	17.9	26.9

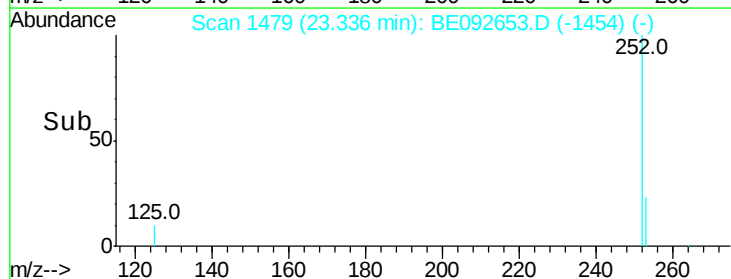
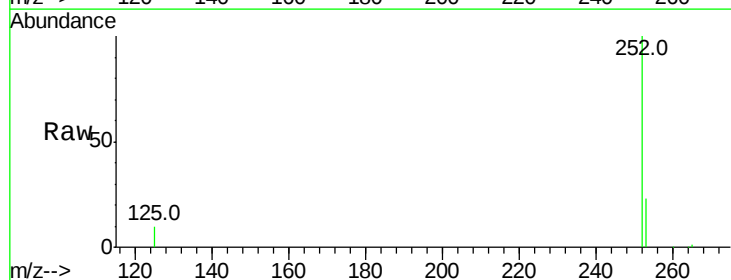
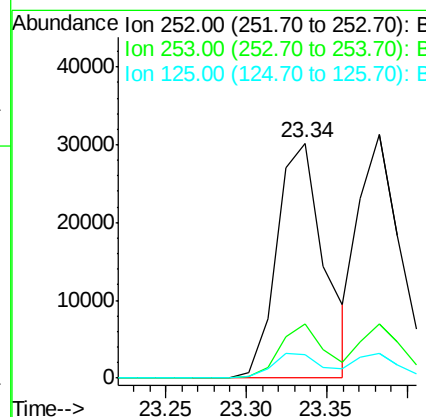
Manual Integrations
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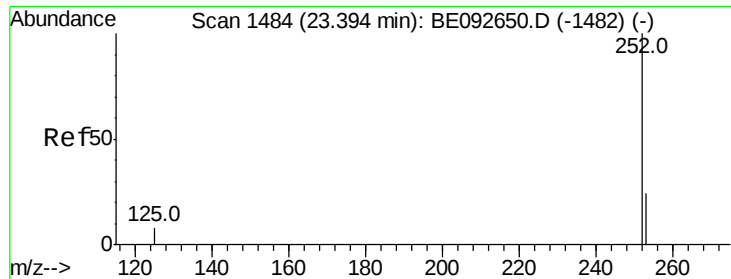
mohammad
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#32
Benzo(b)fluoranthene
Concen: 3.51 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	10.0	10.5	15.7





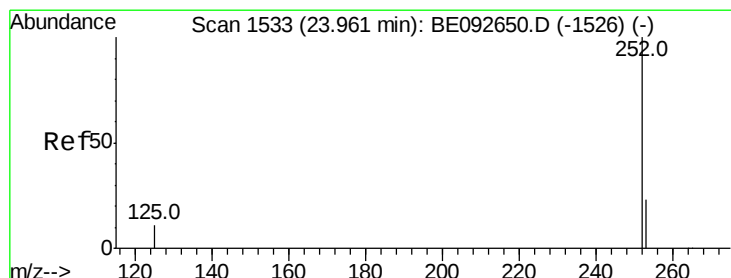
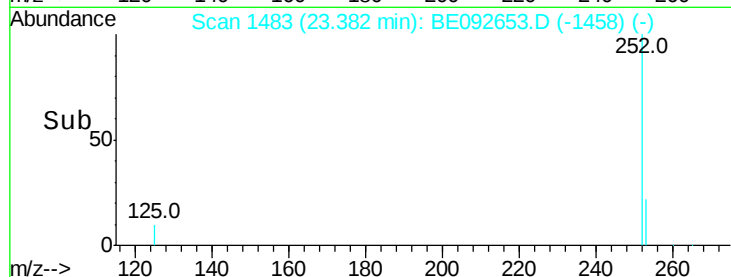
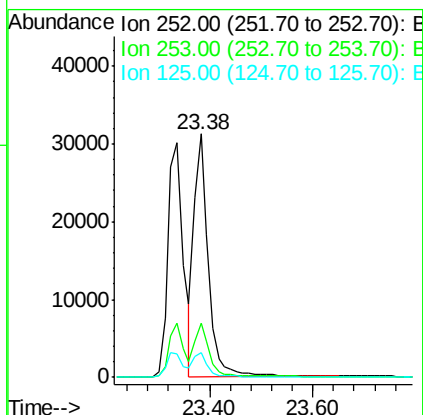
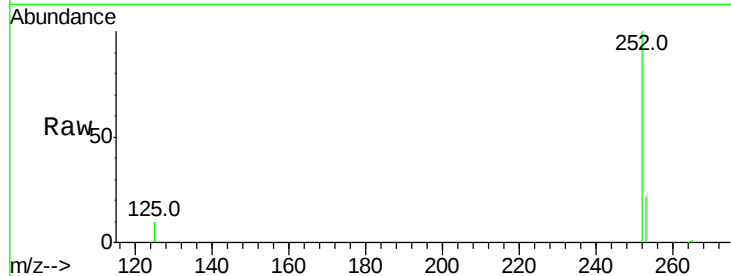
#33
Benzo(k)fluoranthene
Concen: 3.04 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.3	30.5
125	10.2	9.6	14.4

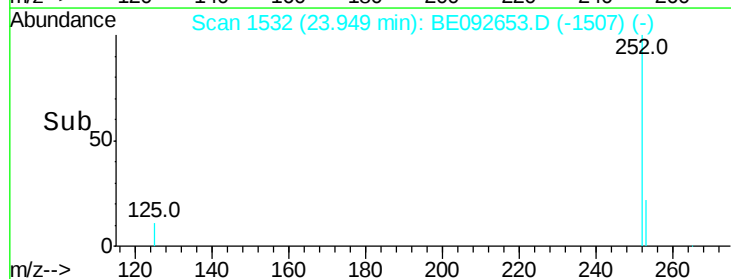
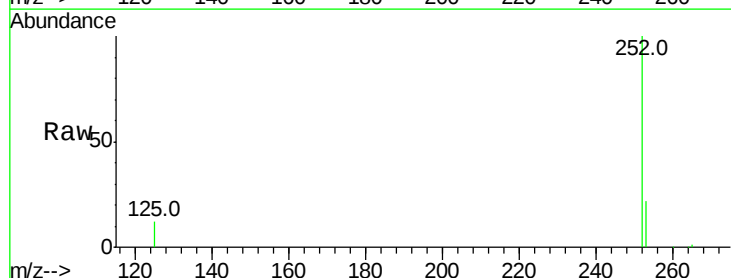
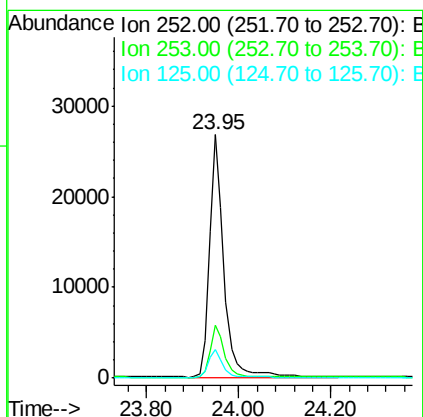
Manual Integrations
APPROVED

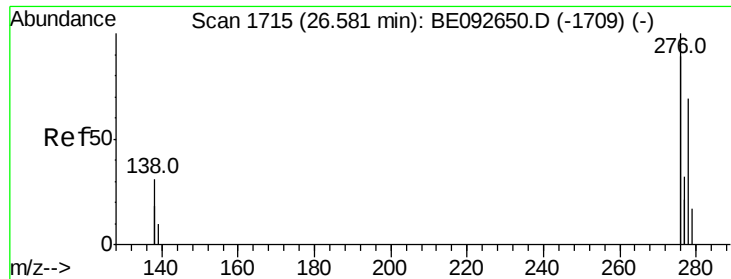
mohammad
1/17/2017 4:40:12 PM



#34
Benzo(a)pyrene
Concen: 3.42 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.0	28.6
125	11.7	11.8	17.8#





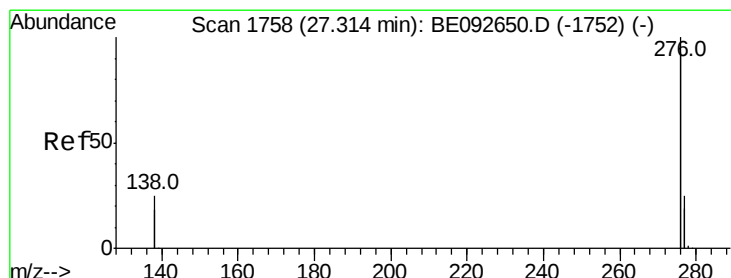
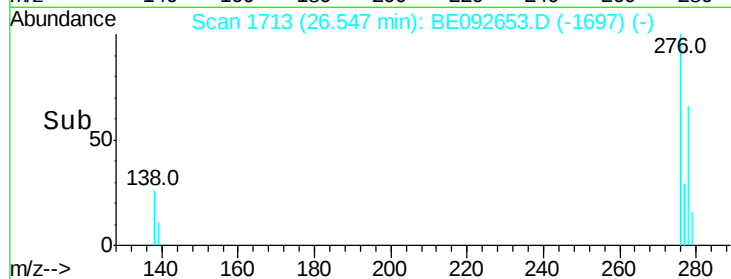
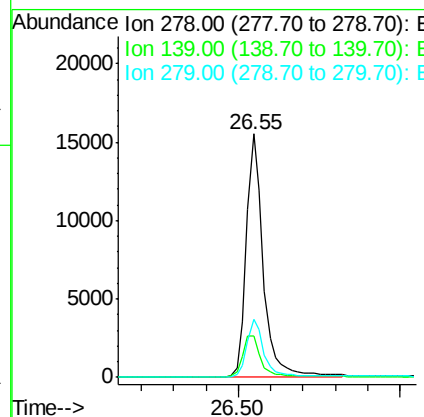
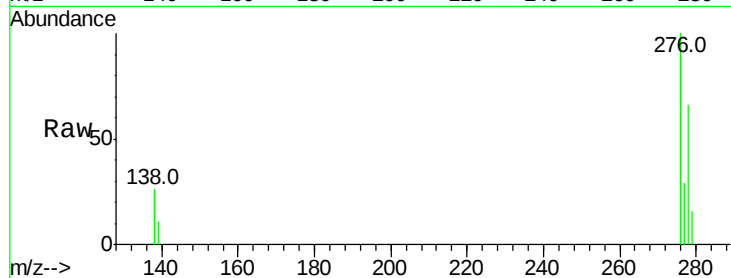
#35
Dibenzo(a,h)anthracene
Concen: 3.46 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.8	20.8
279	23.8	21.4	32.2

Manual Integrations
APPROVED

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1/17/2017 4:40:12 PM



#36
Benzo(g,h,i)perylene
Concen: 3.32 ng
RT: 27.28 min Scan# 1756
Delta R.T. -0.03 min
Lab File: BE092653.D
Acq: 16 Jan 2017 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.8	19.8	29.8
138	25.1	19.8	29.6

