

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011617\
 Data File : BE092651.D
 Acq On : 16 Jan 2017 14:31
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

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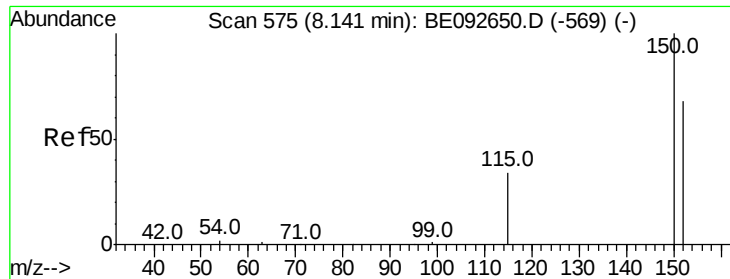
Quant Time: Jan 16 15:48:30 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 15:00:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8502	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	39278	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	25768	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	55274	5.00	ng	0.00
24) Chrysene-d12	21.72	240	62009	5.00	ng	0.00
31) Perylene-d12	24.06	264	68018	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	1422	1.10	ng	0.00
5) Phenol-d6	7.31	99	1788	0.96	ng	-0.02
8) Nitrobenzene-d5	9.32	82	1961	0.89	ng	-0.02
13) 2,4,6-Tribromophenol	16.28	330	464	0.80	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	4994	0.81	ng	-0.01
26) Terphenyl-d14	20.16	244	6459	0.85	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	1019	0.82	ng	97
3) n-Nitrosodimethylamine	3.75	42	1225	1.18	ng	91
6) bis(2-Chloroethyl)ether	7.57	93	1914	0.99	ng	88
9) Naphthalene	10.97	128	6449	0.80	ng	98
10) Hexachlorobutadiene	11.24	225	987	0.81	ng	99
11) 2-Methylnaphthalene	12.60	142	3958	0.77	ng	99
15) Acenaphthylene	14.49	152	27445	0.77	ng	100
16) Acenaphthene	14.85	154	4432	0.76	ng	94
17) Fluorene	15.83	166	5548	0.77	ng	100
19) Hexachlorobenzene	16.87	284	1713m	0.73	ng	
20) Pentachlorophenol	17.21	266	475	1.18	ng	91
21) Phenanthrene	17.58	178	10212	0.73	ng	# 94
22) Anthracene	17.67	178	9146	0.72	ng	99
23) Fluoranthene	19.58	202	43232	0.72	ng	99
25) Pyrene	19.95	202	44563	0.82	ng	100
27) Benzo(a)anthracene	21.70	228	45529	0.82	ng	# 78
28) Chrysene	21.75	228	54229m	0.84	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	7015	1.16	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.55	276	58630	1.01	ng	98
32) Benzo(b)fluoranthene	23.34	252	11912	0.76	ng	97
33) Benzo(k)fluoranthene	23.38	252	13828	0.79	ng	95
34) Benzo(a)pyrene	23.96	252	11684	0.77	ng	97
35) Dibenzo(a,h)anthracene	26.56	278	11871	0.83	ng	97
36) Benzo(g,h,i)perylene	27.30	276	50708	0.83	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

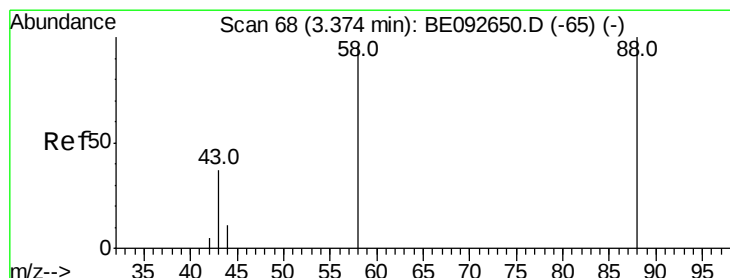
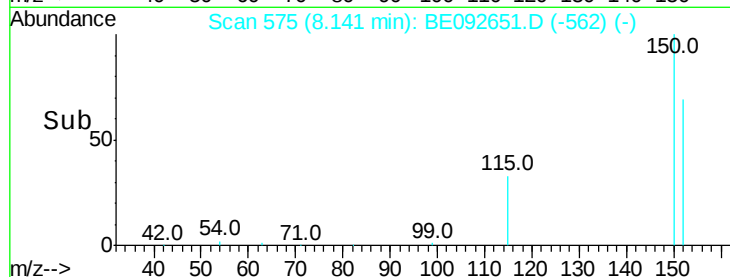
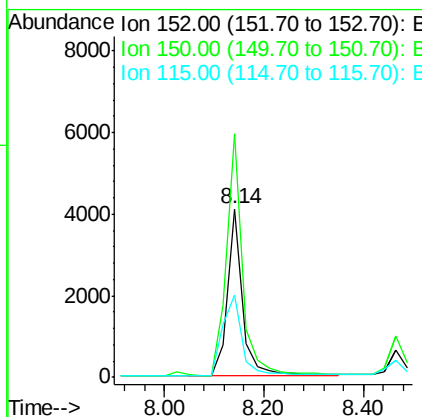
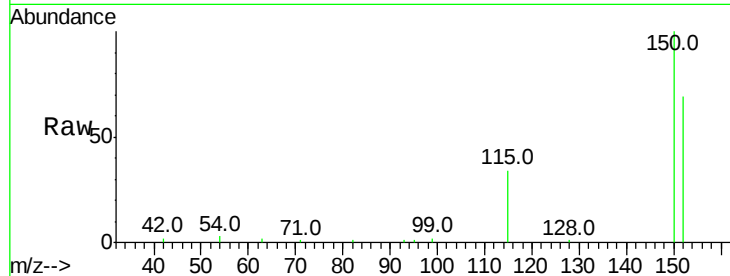
ClientSampleId :

SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.8	106.0	159.0
115	49.2	31.2	46.8

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#2

1,4-Dioxane

Concen: 0.82 ng

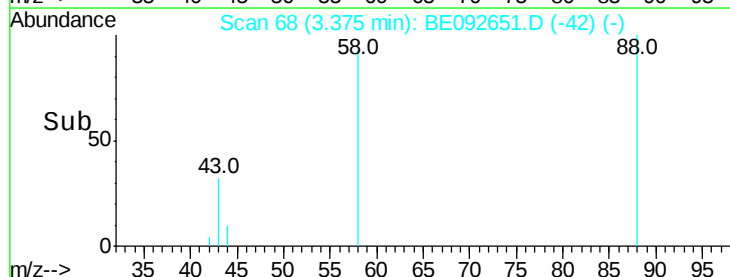
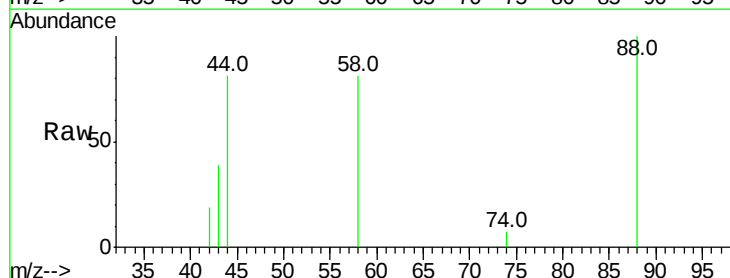
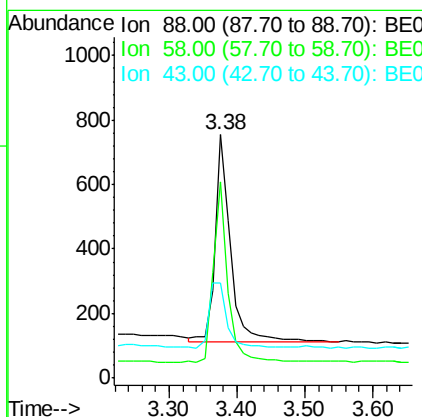
RT: 3.38 min Scan# 68

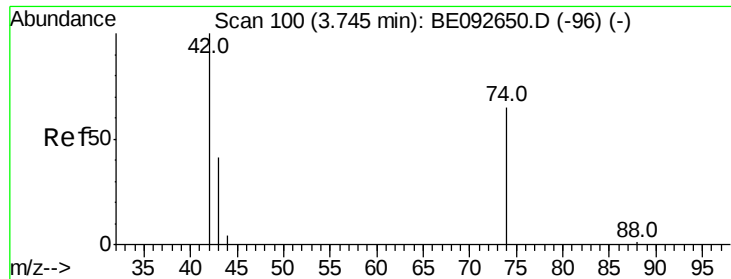
Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.5	63.6	95.4
43	34.6	28.0	42.0





#3

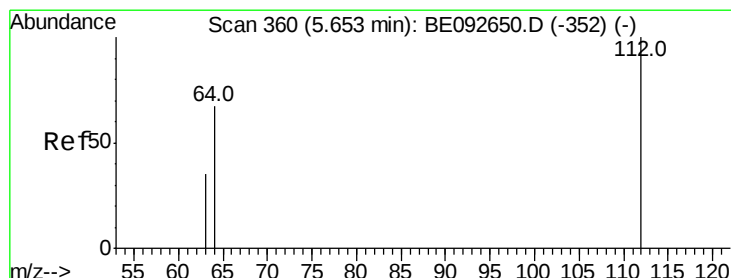
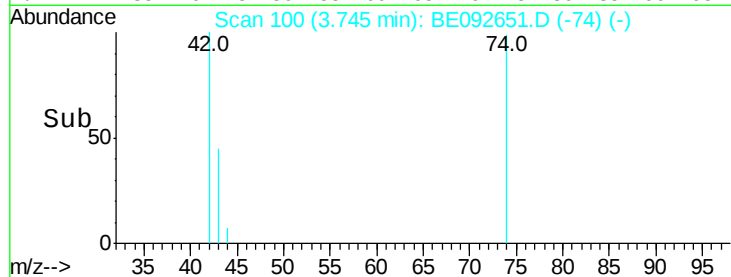
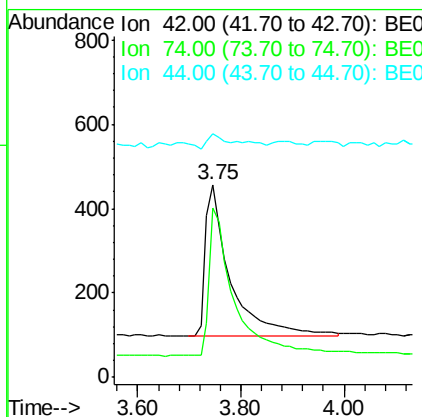
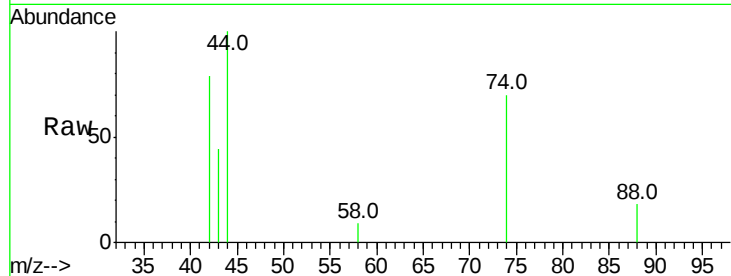
n-Nitrosodimethylamine
Concen: 1.18 ng
RT: 3.75 min Scan# 100
Delta R.T. 0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
42	100		
74	97.5	86.0	129.0
44	6.5	5.1	7.7

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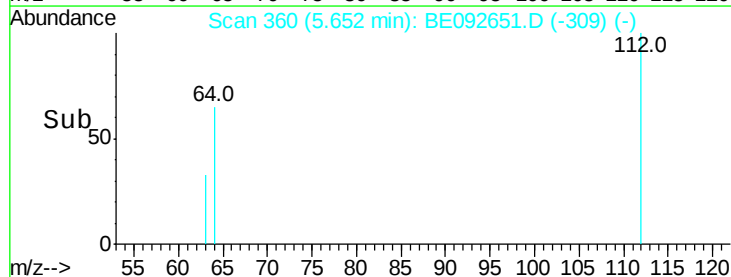
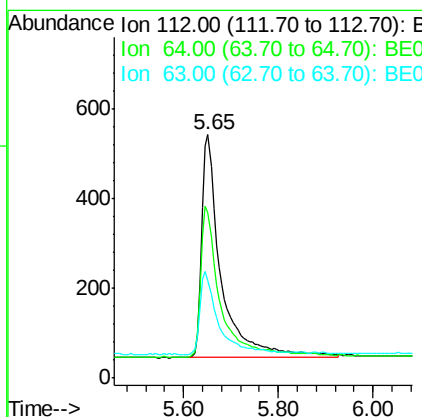
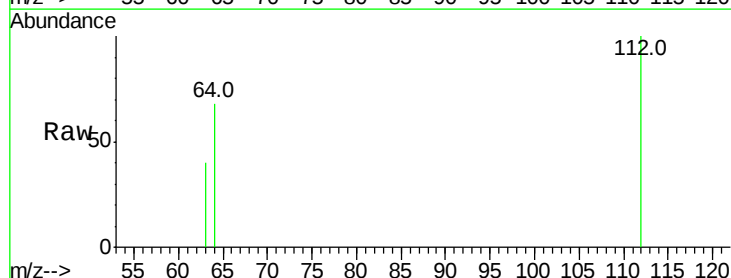
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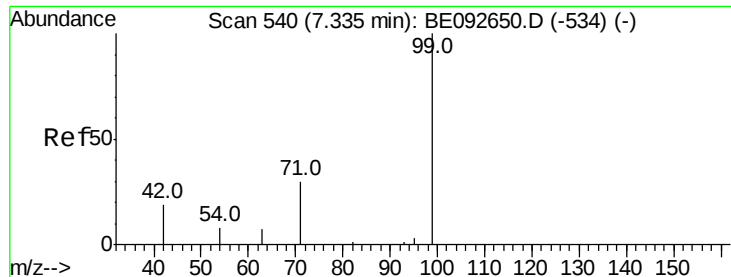


#4

2-Fluorophenol
Concen: 1.10 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.5	80.3
63	36.7	27.9	41.9





#5

Phenol-d6

Concen: 0.96 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

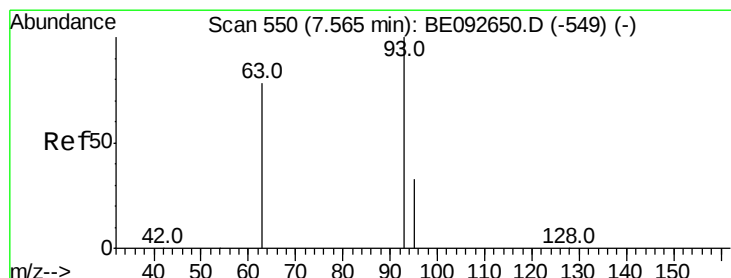
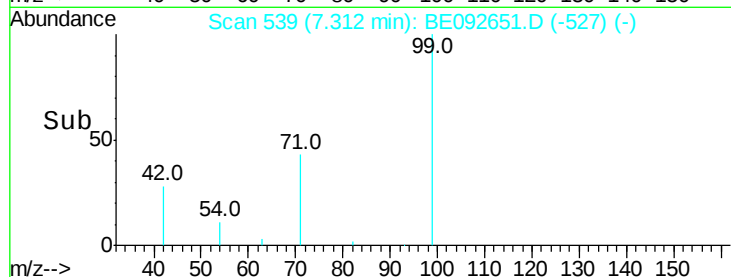
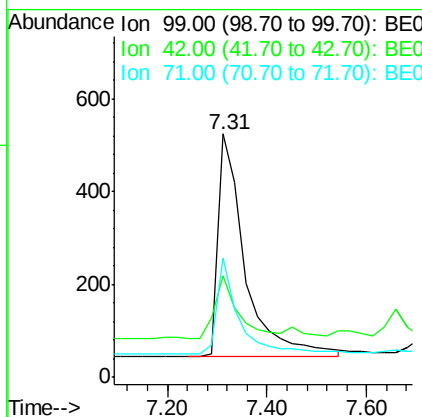
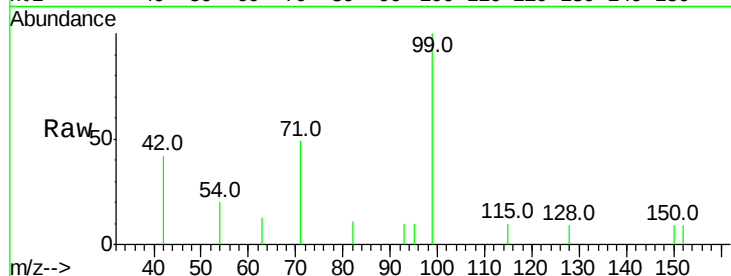
ClientSampleId :

SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
99	100		
42	25.3	16.0	24.0#
71	36.8	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.99 ng

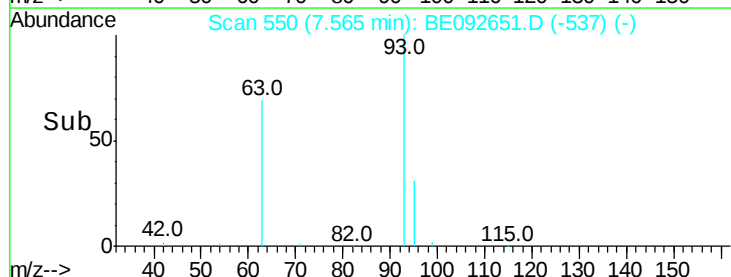
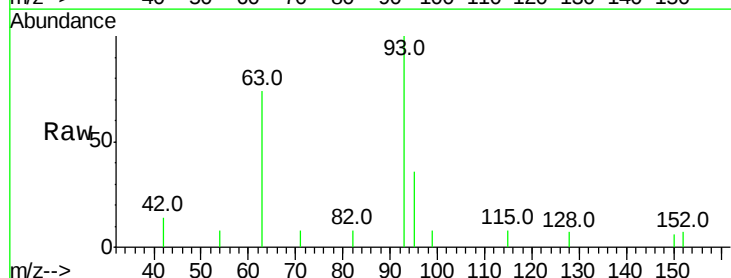
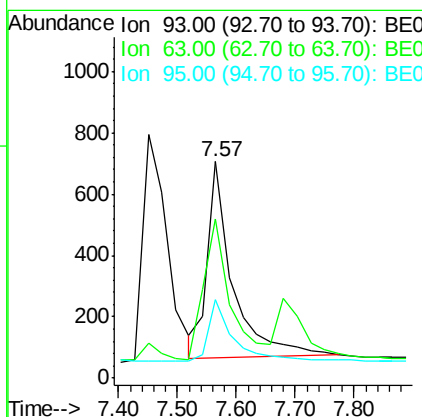
RT: 7.57 min Scan# 550

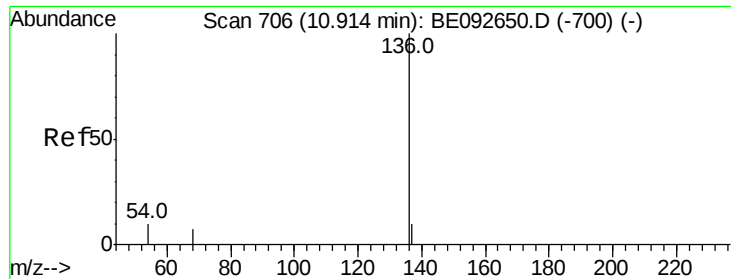
Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
93	100		
63	74.6	71.6	107.4
95	31.0	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: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

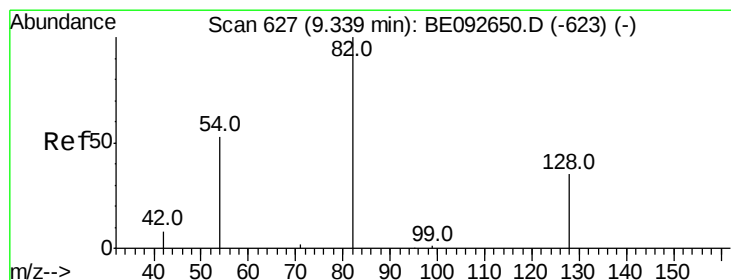
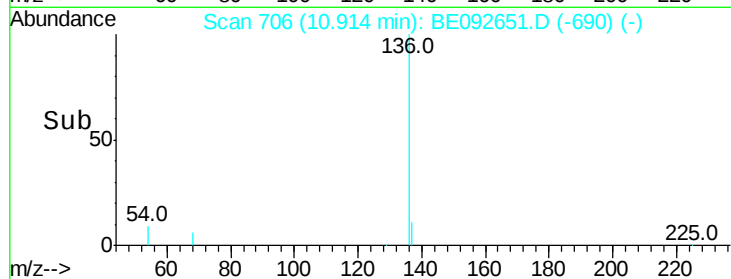
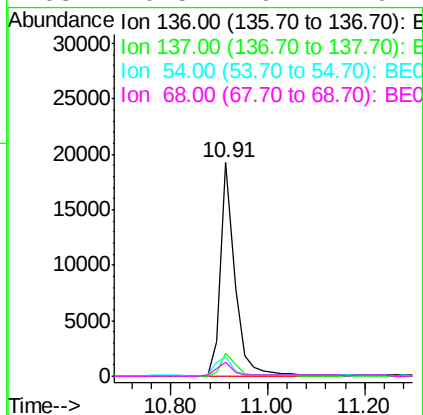
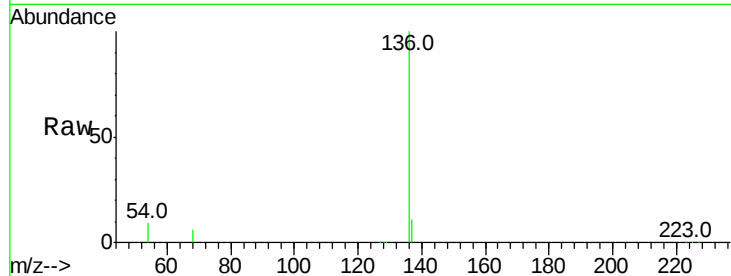
ClientSampleId :

SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	9.1	9.6	14.4#
68	6.5	6.7	10.1#

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#8

Nitrobenzene-d5

Concen: 0.89 ng

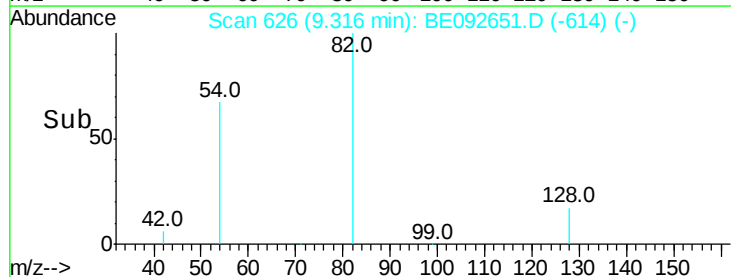
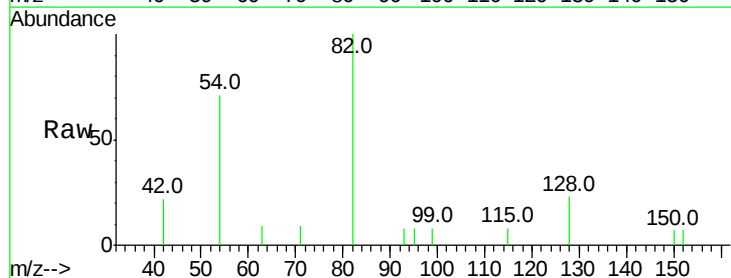
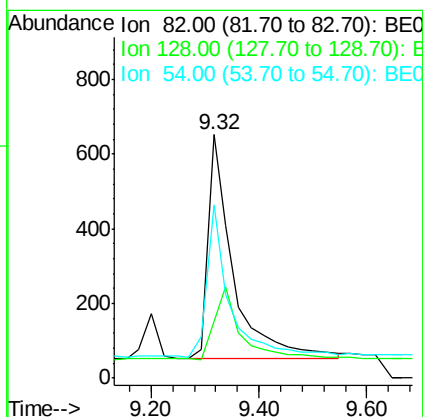
RT: 9.32 min Scan# 626

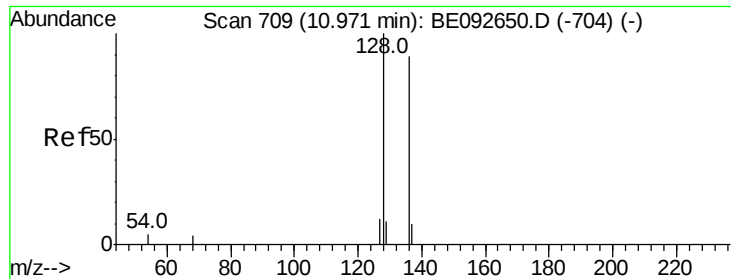
Delta R.T. -0.02 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
82	100		
128	23.5	39.0	58.4#
54	71.2	44.8	67.2#





#9

Naphthalene

Concen: 0.80 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

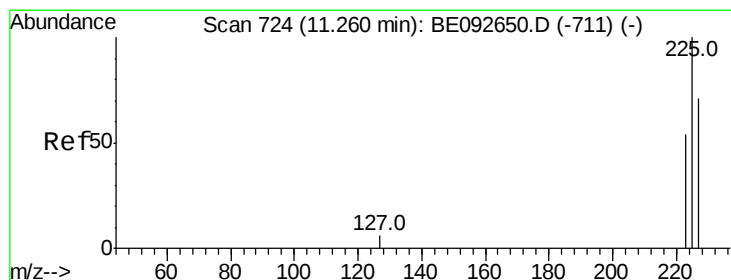
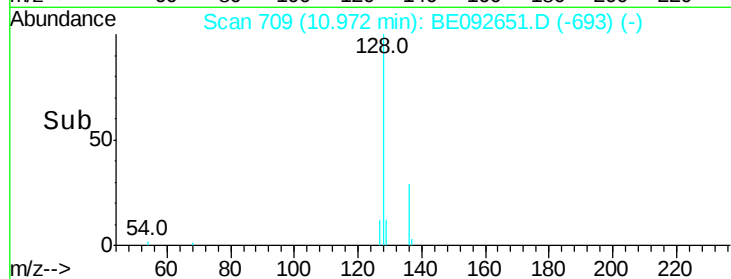
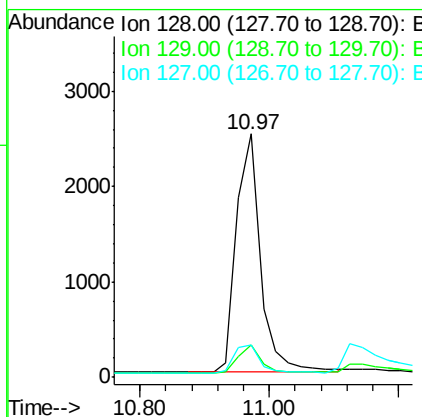
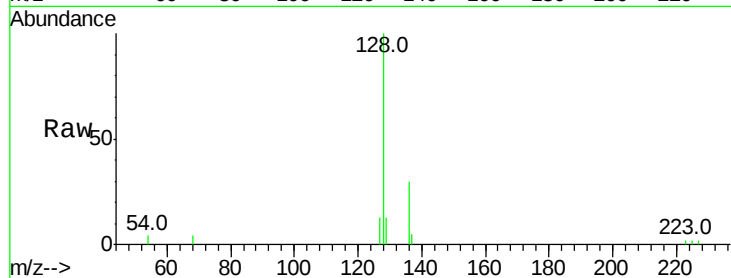
ClientSampleId :

SSTDICC0.8

Tot Ion:	128	Resp:	6449
Ion	Ratio	Lower	Upper
128	100		
129	13.3	11.2	16.8
127	13.4	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 0.81 ng

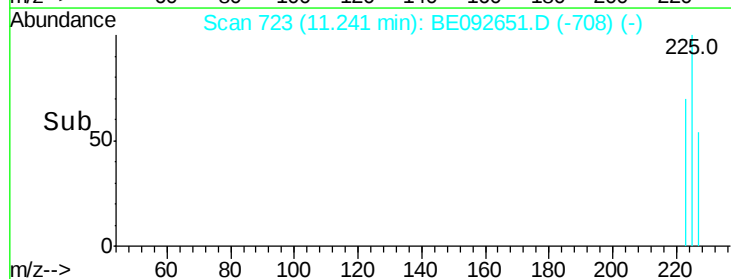
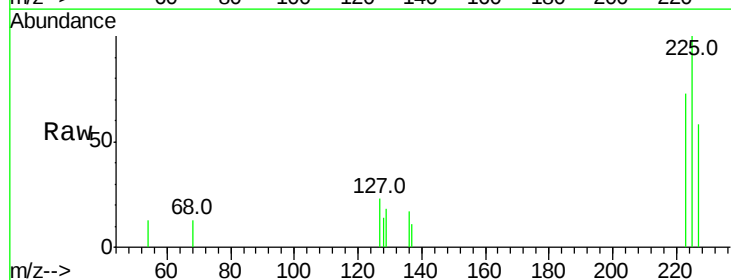
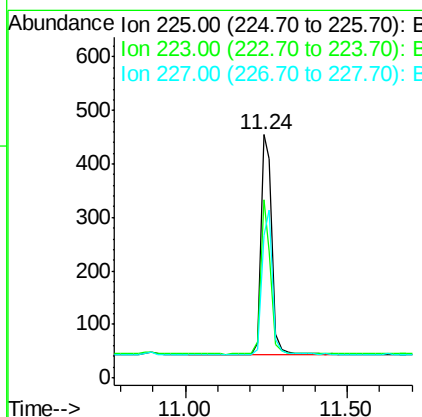
RT: 11.24 min Scan# 723

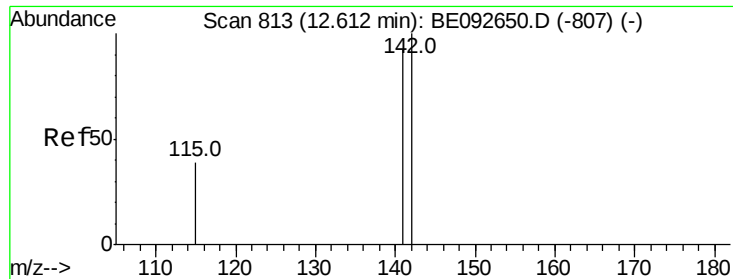
Delta R.T. -0.02 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion:	225	Resp:	987
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	63.5	51.4	77.0





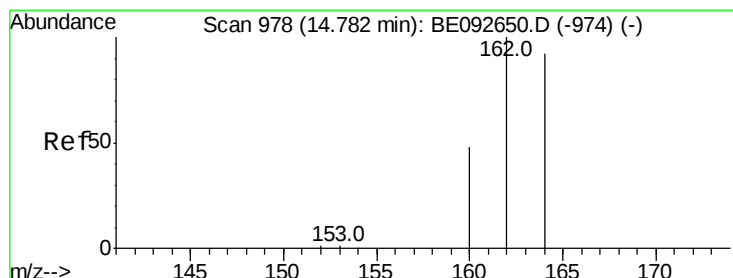
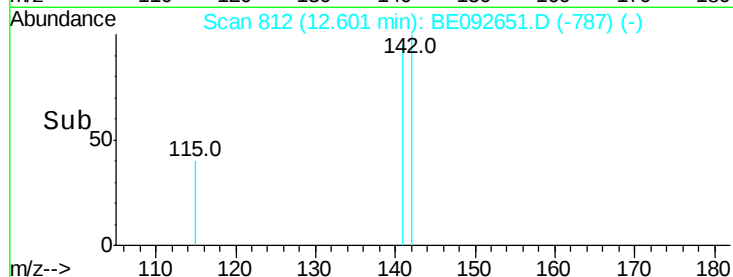
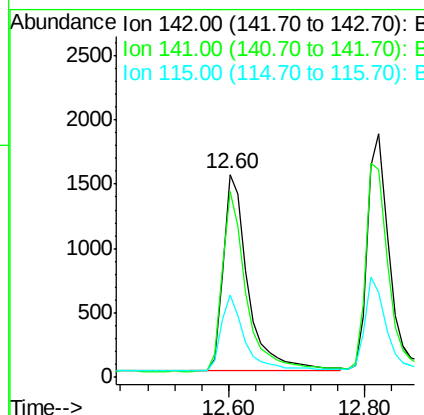
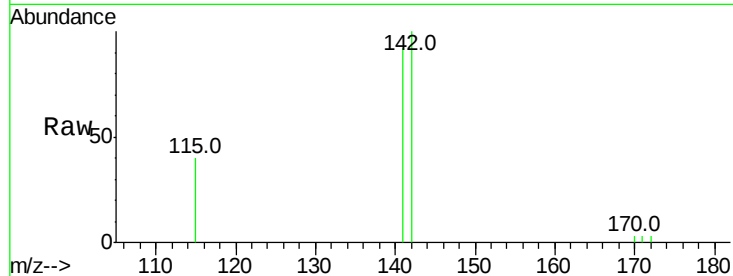
#11
2-Methylnaphthalene
Concen: 0.77 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.01 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion:142 Resp: 3958
Ion Ratio Lower Upper
142 100
141 91.8 73.7 110.5
115 40.2 34.0 51.0

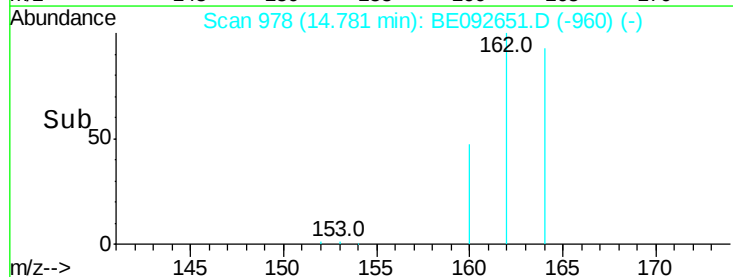
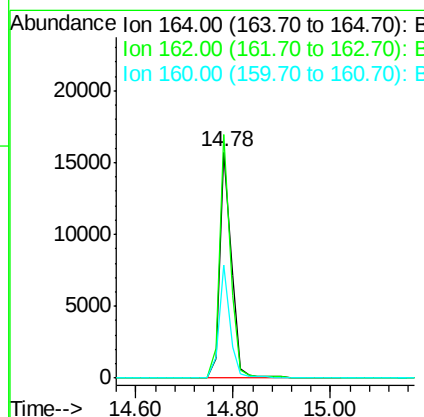
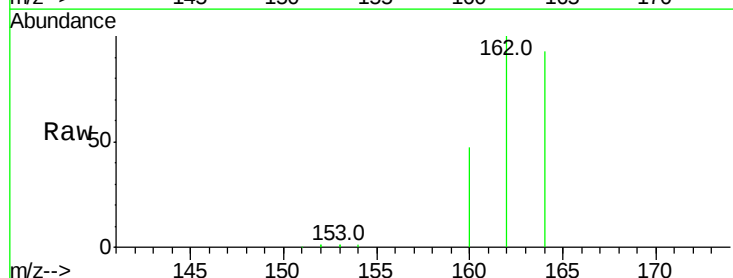
Manual Integrations
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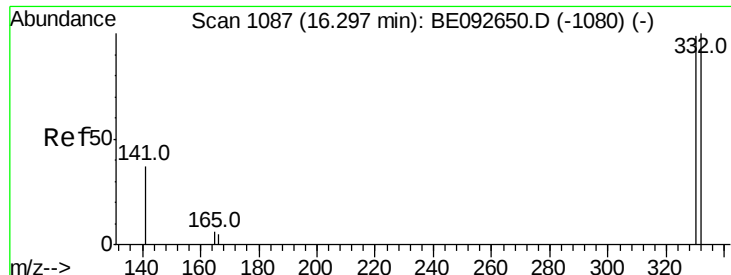
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion:164 Resp: 25768
Ion Ratio Lower Upper
164 100
162 107.6 71.4 107.0#
160 50.2 27.4 41.2#





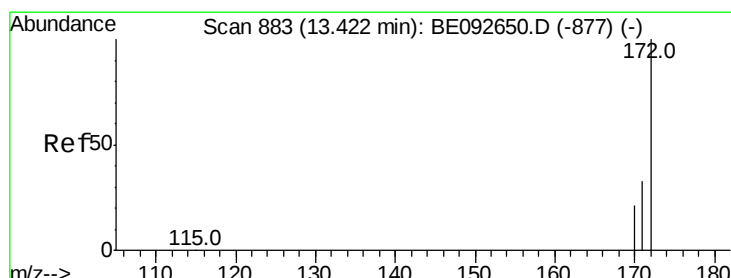
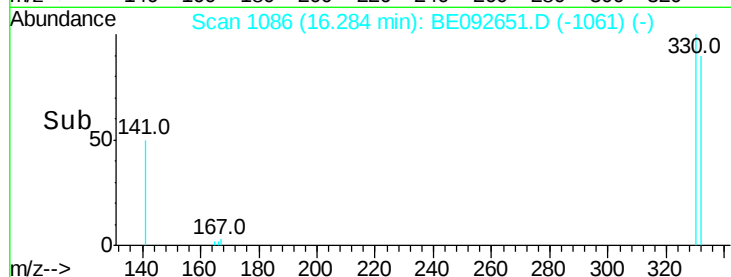
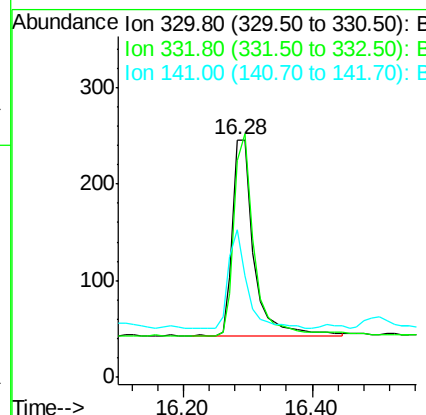
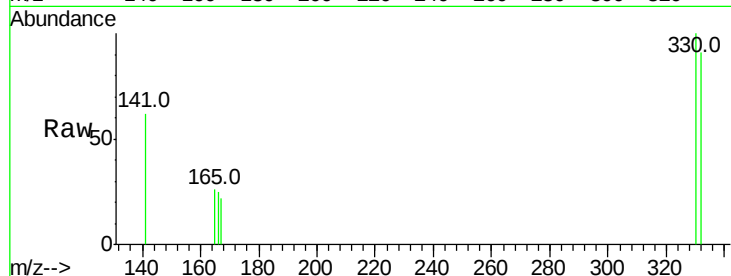
#13
 2,4,6-Tribromophenol
 Concen: 0.80 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE092651.D
 Acq: 16 Jan 2017 14:31

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.4	113.0
141	45.3	31.0	46.6

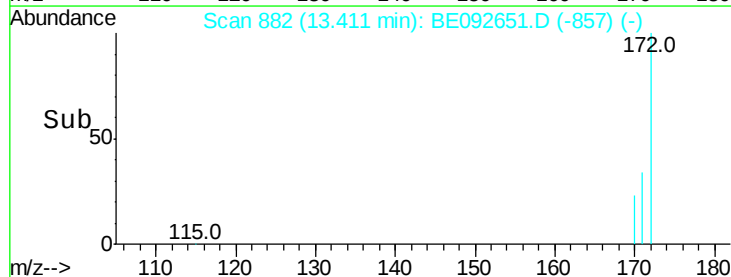
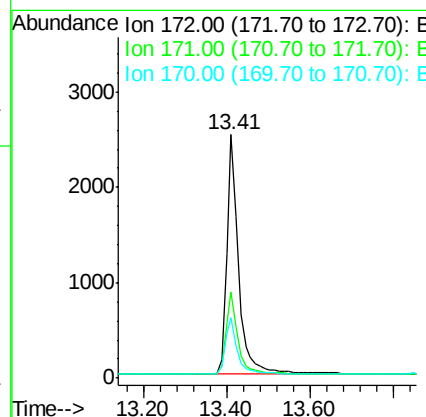
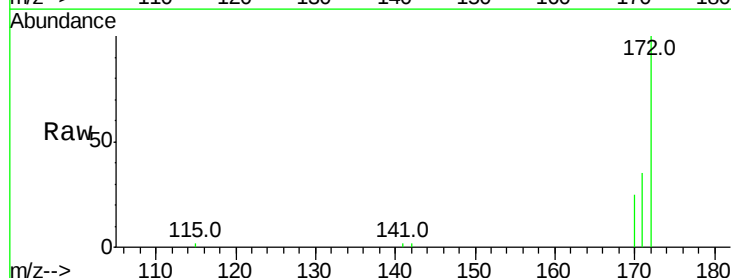
Manual Integrations
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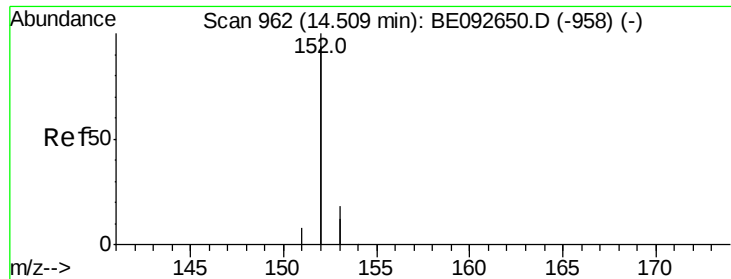
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#14
 2-Fluorobiphenyl
 Concen: 0.81 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BE092651.D
 Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.1	45.1
170	24.7	21.8	32.6





#15

Acenaphthylene

Concen: 0.77 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

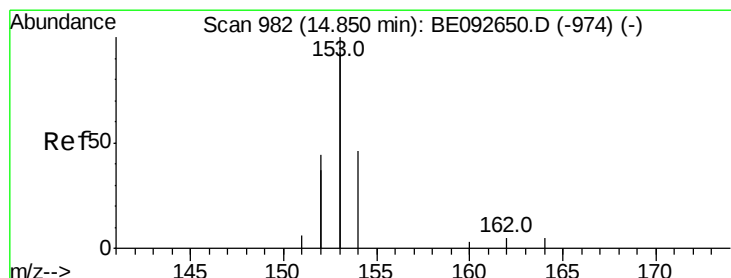
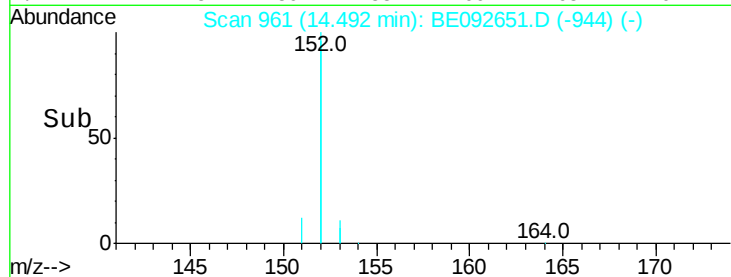
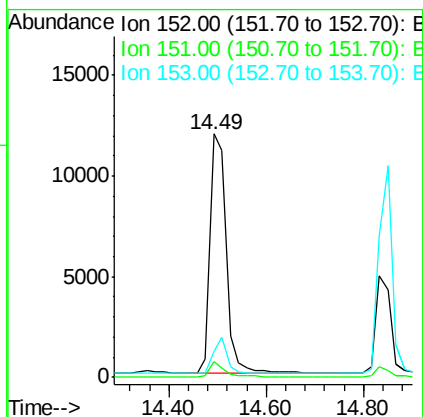
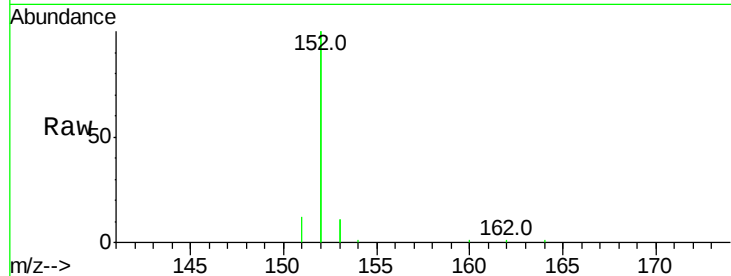
ClientSampleId :

SSTDIC0.8

Tot Ion:	152	Resp:	27445
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	13.1	10.4	15.6

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#16

Acenaphthene

Concen: 0.76 ng

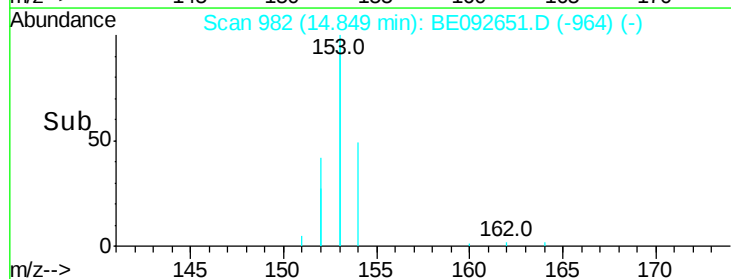
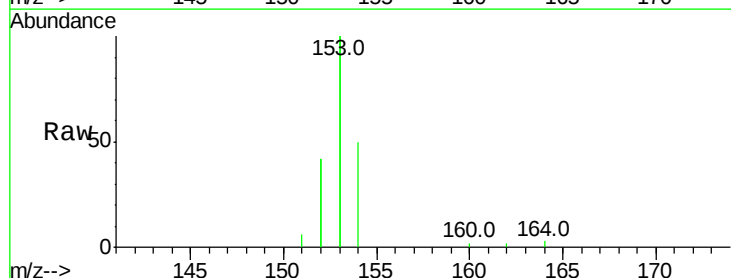
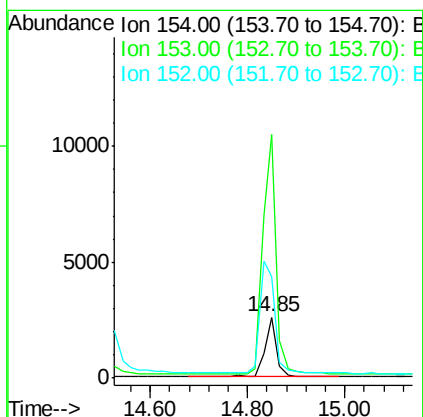
RT: 14.85 min Scan# 982

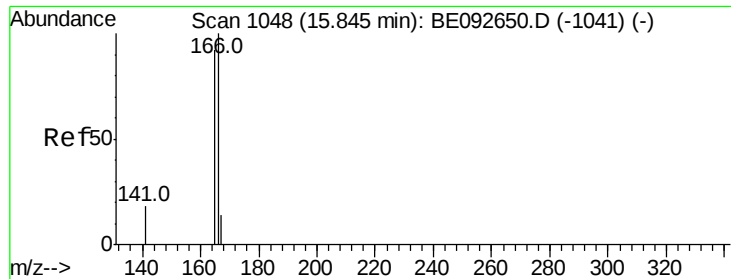
Delta R.T. -0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion:	154	Resp:	4432
Ion Ratio	Lower	Upper	
154	100		
153	447.1	350.8	526.2
152	231.6	171.1	256.7





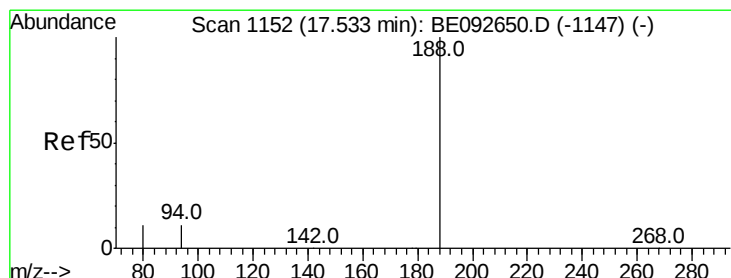
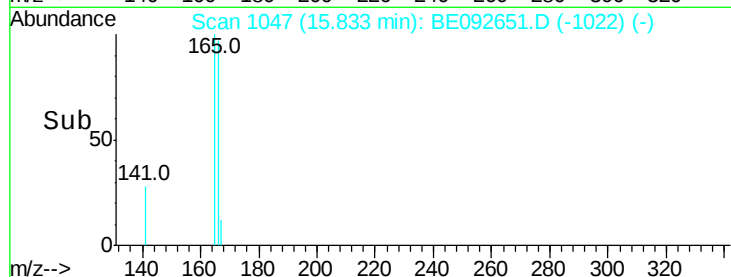
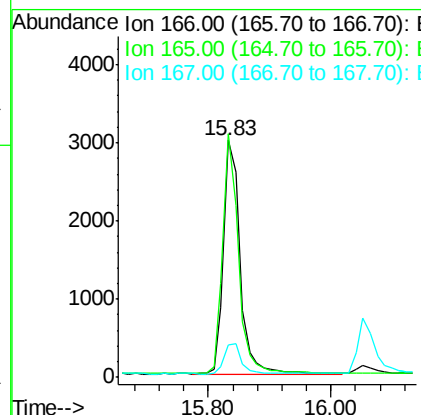
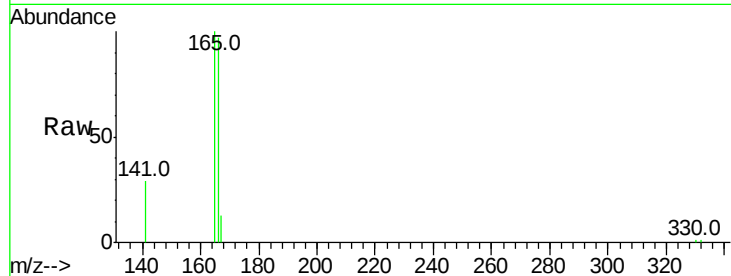
#17
Fluorene
Concen: 0.77 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.4
167	13.5	11.0	16.4

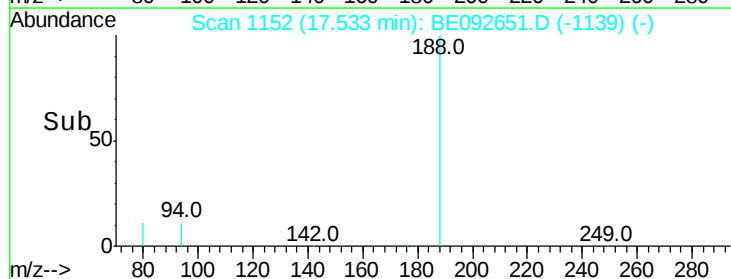
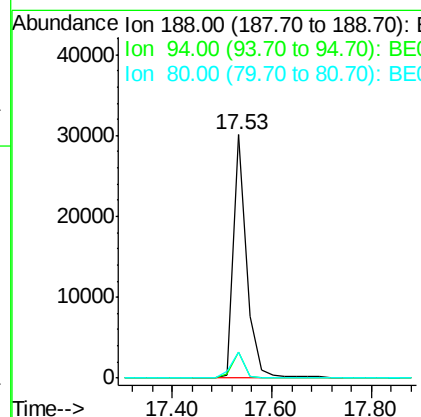
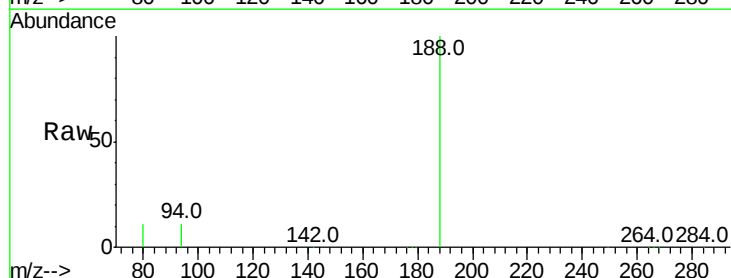
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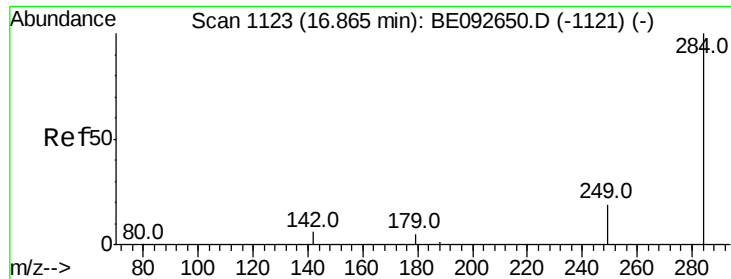
mohammad
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	3.2	4.8#
80	10.7	2.6	3.8#





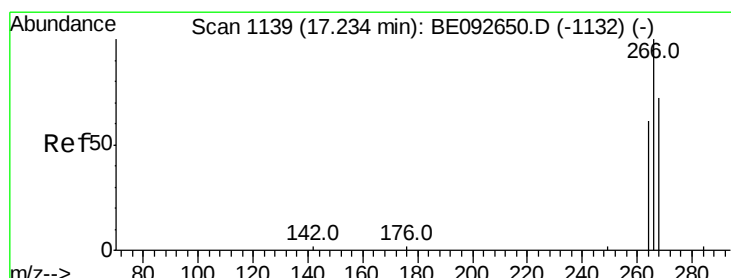
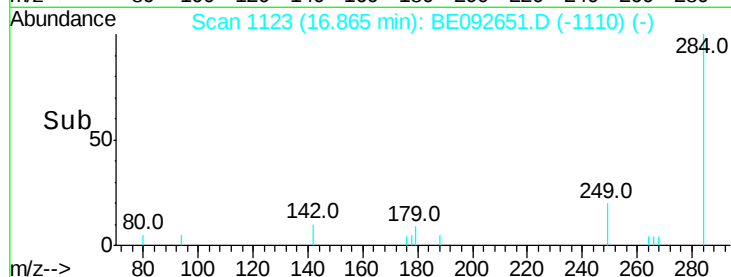
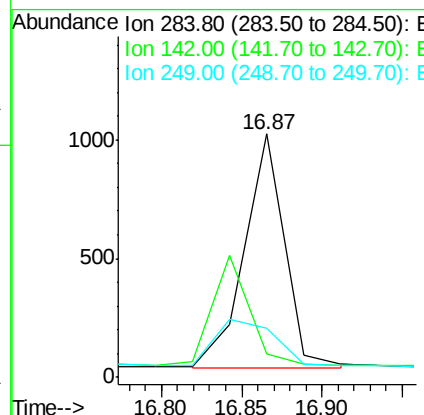
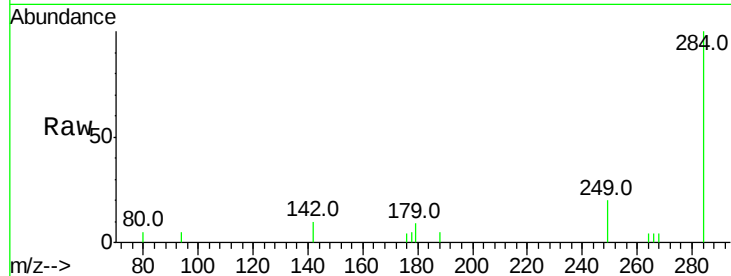
#19
Hexachlorobenzene
Concen: 0.73 ng m
RT: 16.87 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampled :
SSTDICC0.8

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

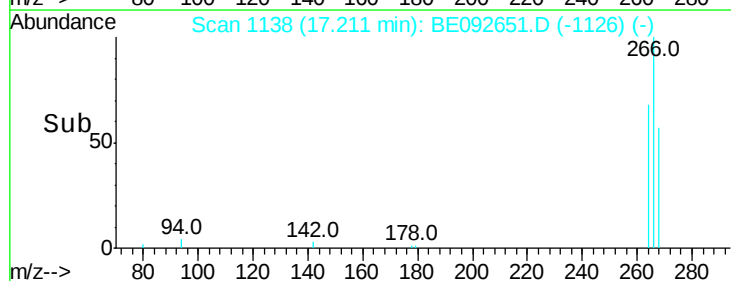
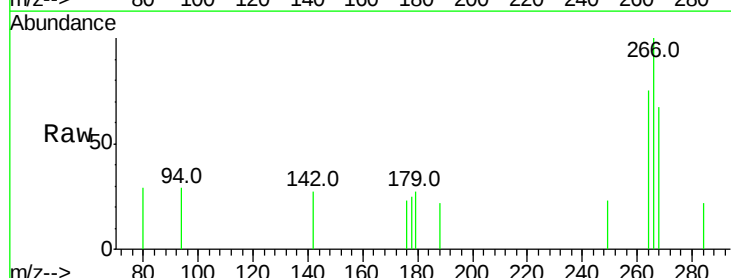
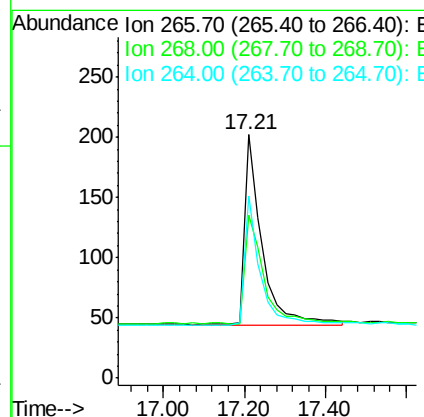
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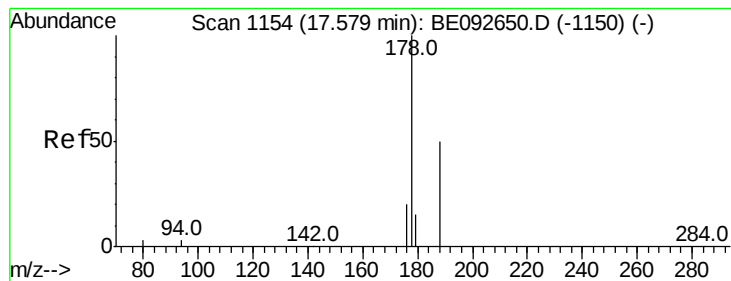
mohammad
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#20
Pentachlorophenol
Concen: 1.18 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.8	62.5	93.7
264	74.8	57.2	85.8





#21

Phenanthrene

Concen: 0.73 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

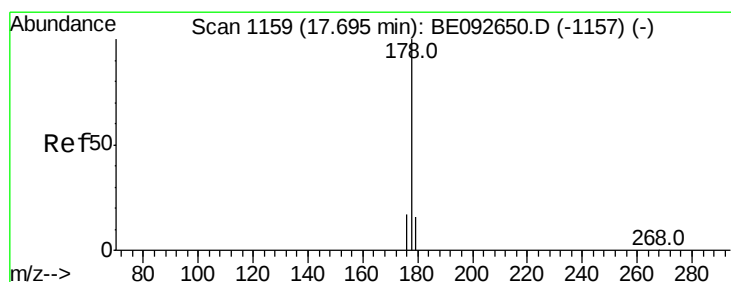
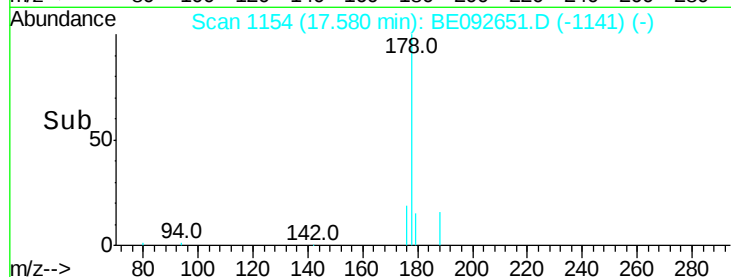
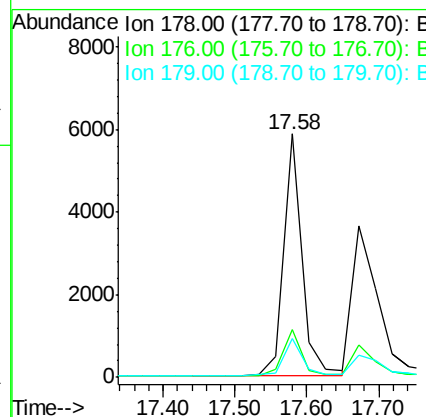
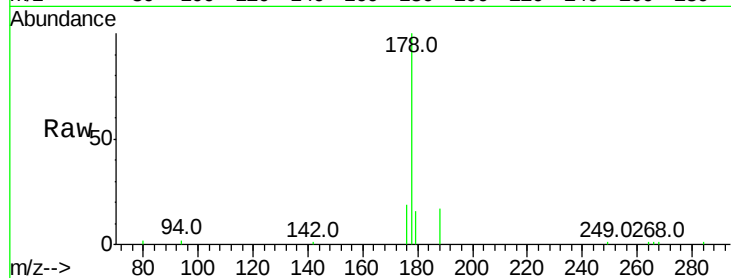
ClientSampleId :

SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.7	16.0	24.0

Manual Integrations
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#22

Anthracene

Concen: 0.72 ng

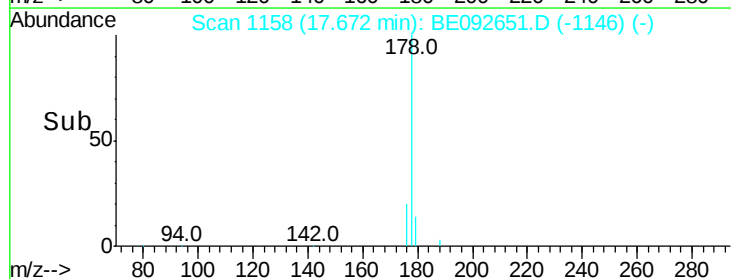
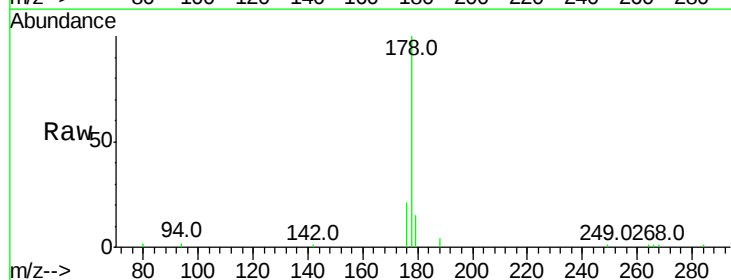
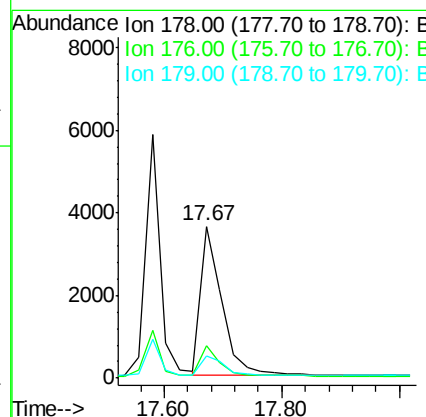
RT: 17.67 min Scan# 1158

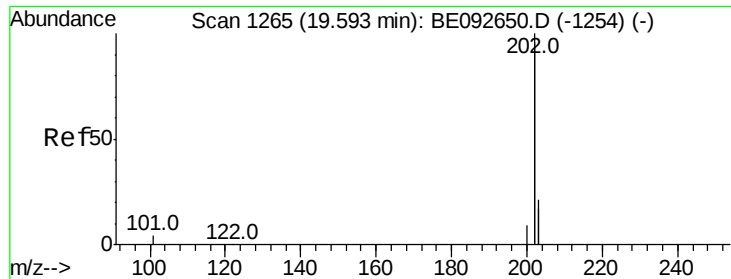
Delta R.T. -0.02 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.5	12.2	18.2





#23

Fluoranthene

Concen: 0.72 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

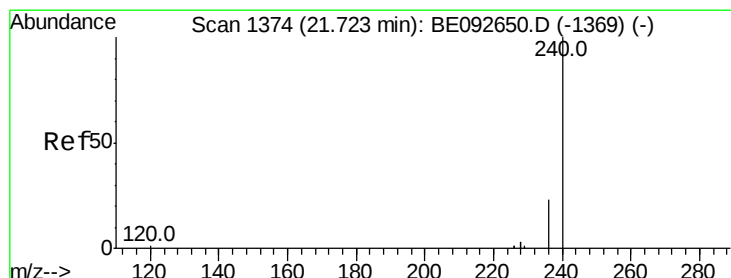
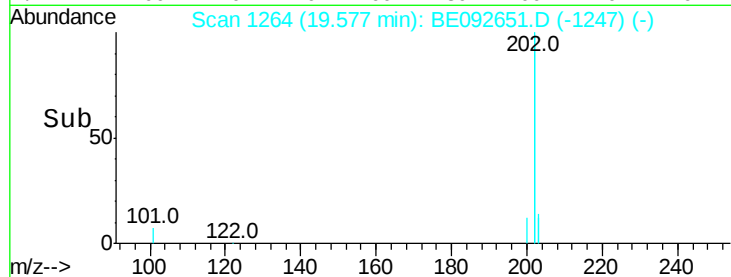
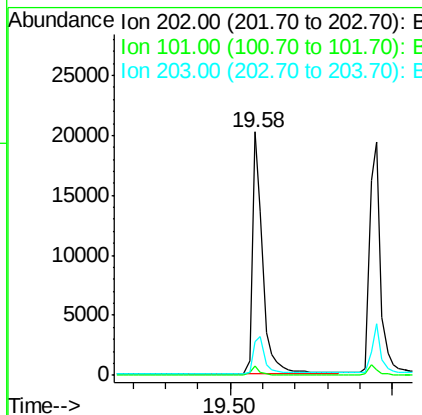
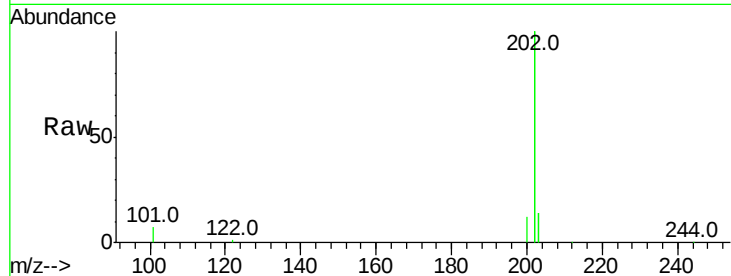
ClientSampled :

SSTDIC0.8

Tot Ion:	202	Resp:	43232
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5

Manual Integrations
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#24

Chrysene-d12

Concen: 5.00 ng

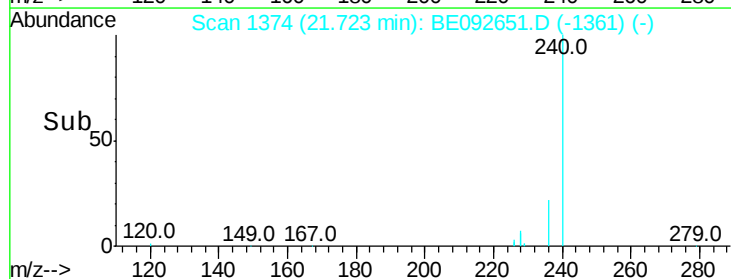
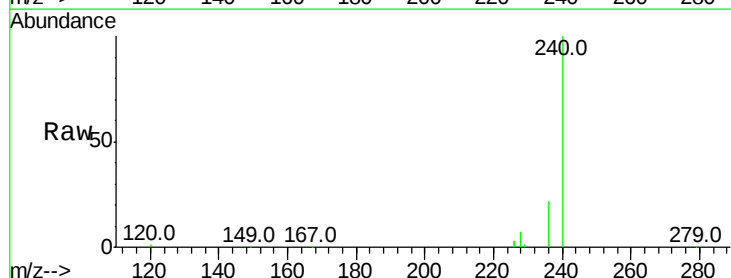
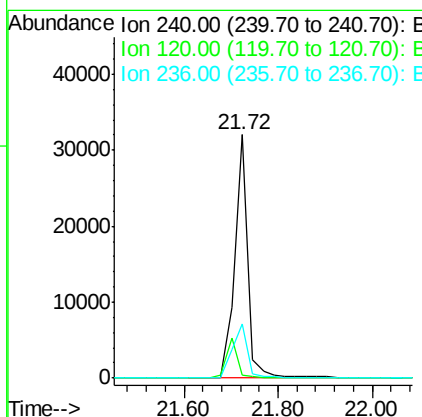
RT: 21.72 min Scan# 1374

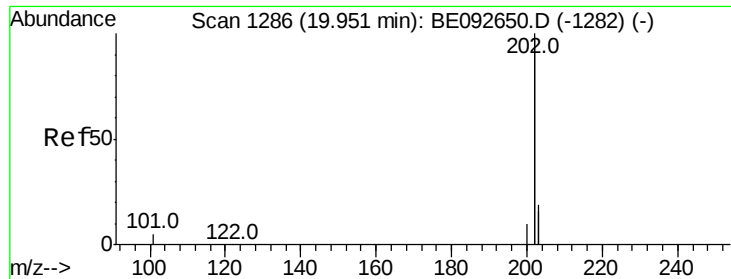
Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion:	240	Resp:	62009
Ion Ratio	Lower	Upper	
240	100		
120	1.4	2.6	4.0#
236	22.1	24.6	37.0#





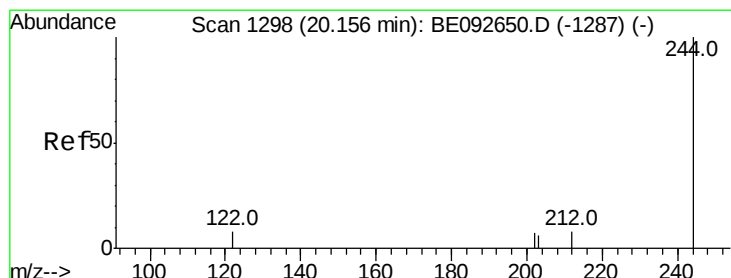
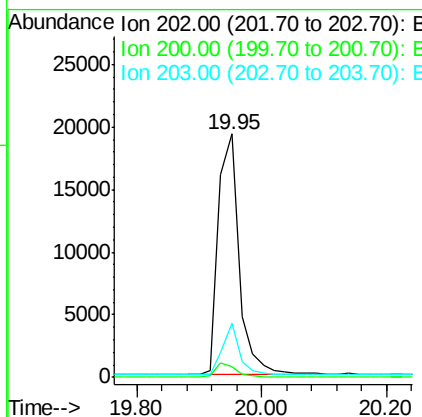
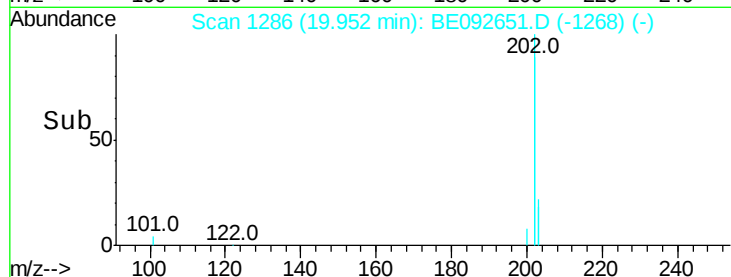
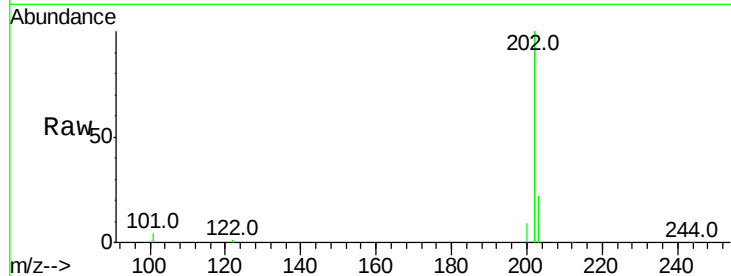
#25
Pvrene
Concen: 0.82 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampled :
SSTDICC0.8

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.5	13.9	20.9

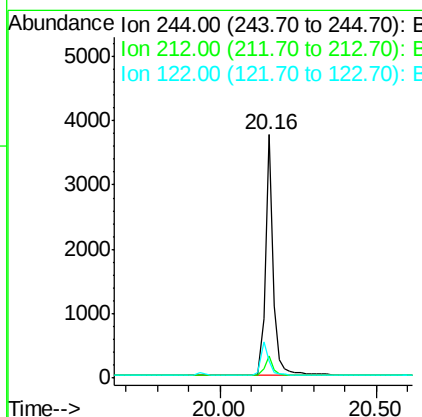
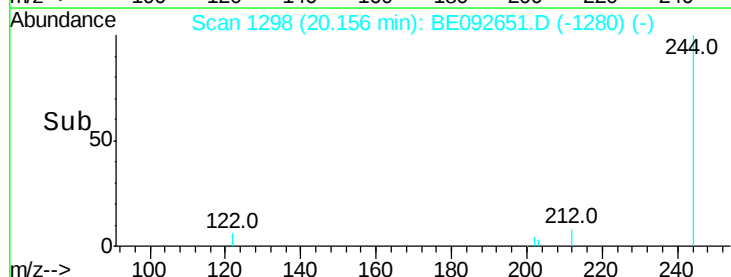
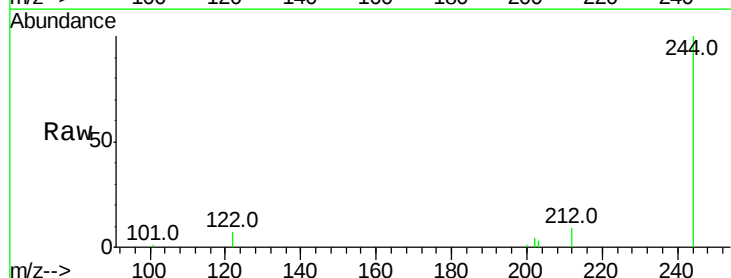
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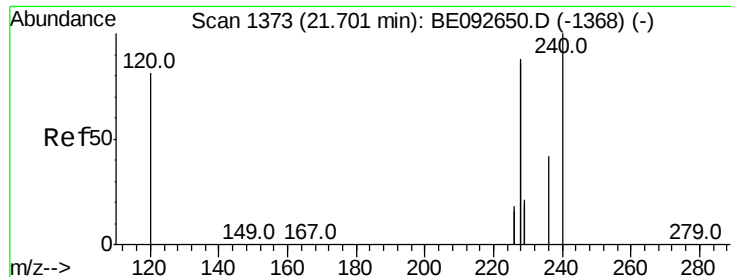
mohammad
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#26
Terphenyl-d14
Concen: 0.85 ng
RT: 20.16 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.7	10.1
122	7.0	3.6	5.4





#27

Benzo(a)anthracene

Concen: 0.82 ng

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Instrument :

BNA_E

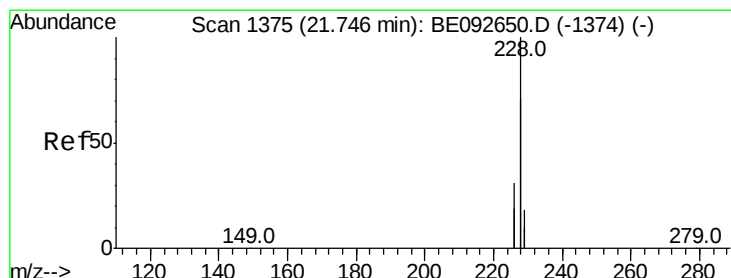
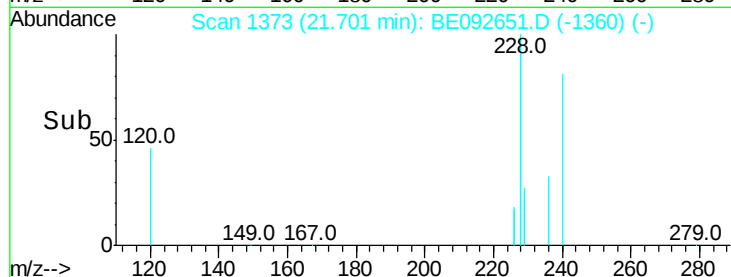
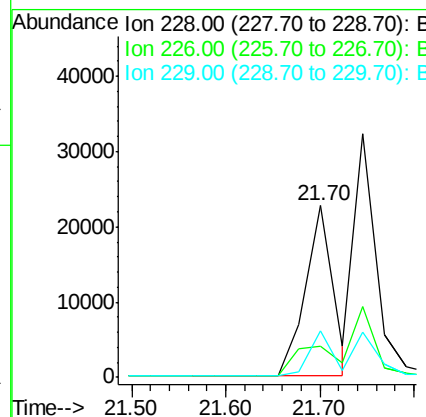
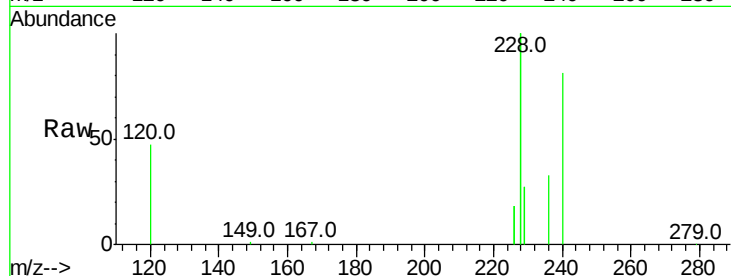
ClientSampleId :

SSTDIC0.8

Tot Ion:228	Resp:	45529
Ion Ratio	Lower	Upper
228	100	
226	18.4	23.6 35.4#
229	26.8	13.3 19.9#

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#28

Chrysene

Concen: 0.84 ng m

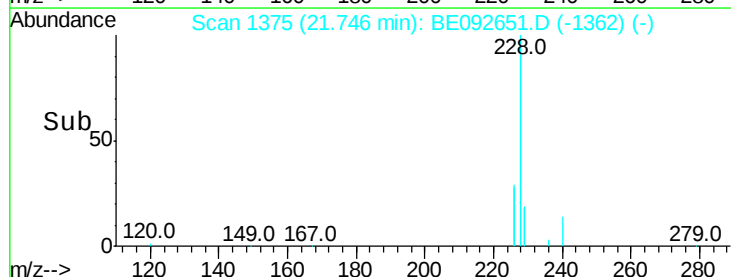
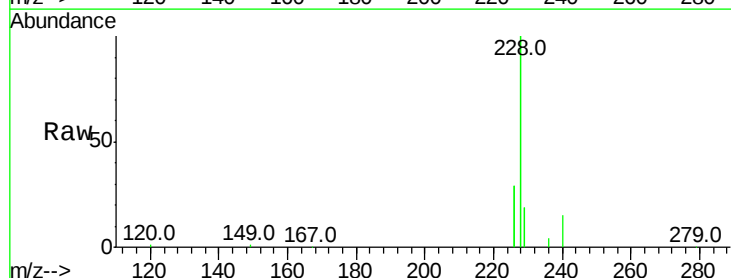
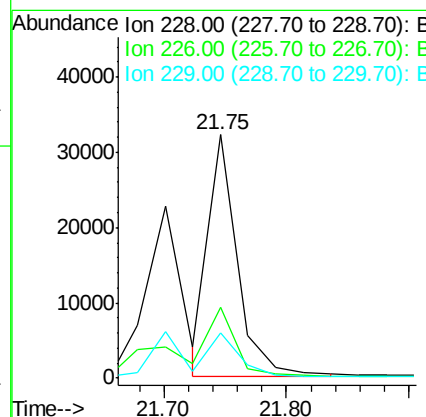
RT: 21.75 min Scan# 1375

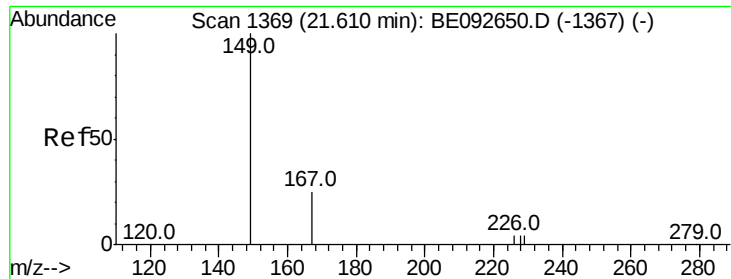
Delta R.T. 0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion:228	Resp:	54229
Ion Ratio	Lower	Upper
228	100	
226	29.1	36.3 54.5#
229	18.6	10.6 16.0#





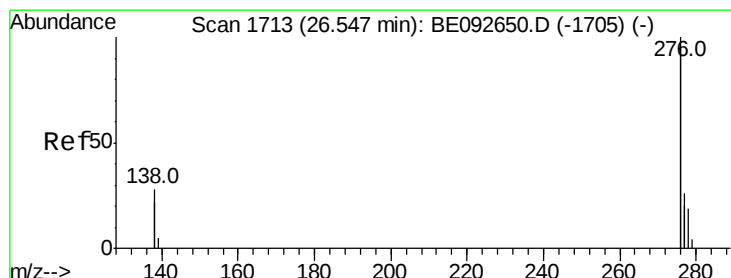
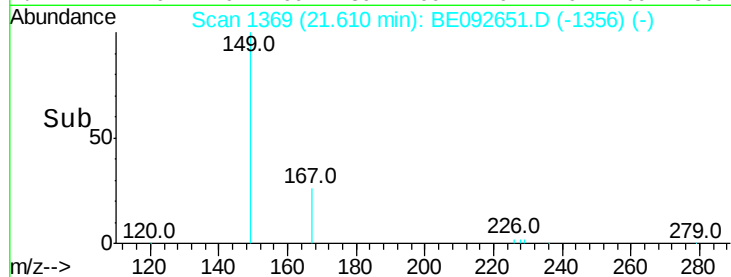
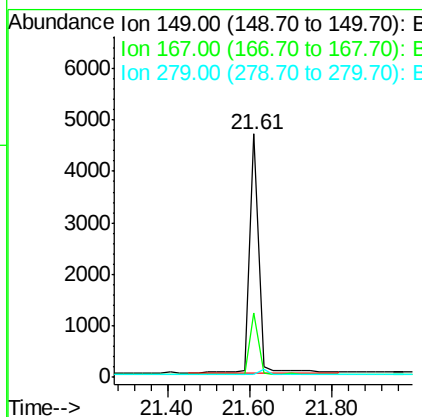
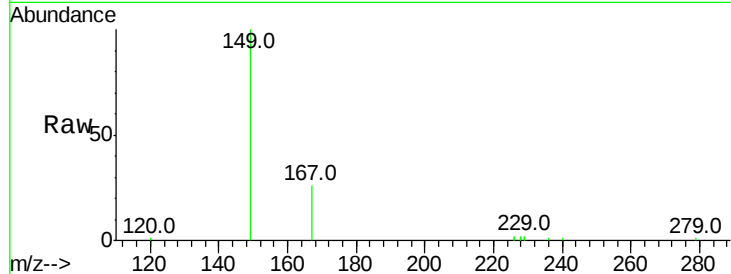
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 1.16 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092651.D
 Acq: 16 Jan 2017 14:31

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.3	16.0	24.0#
279	0.0	16.0	24.0#

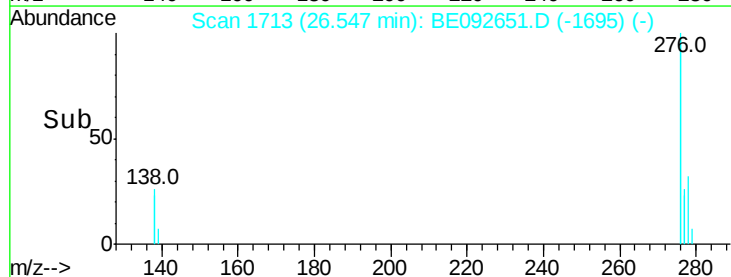
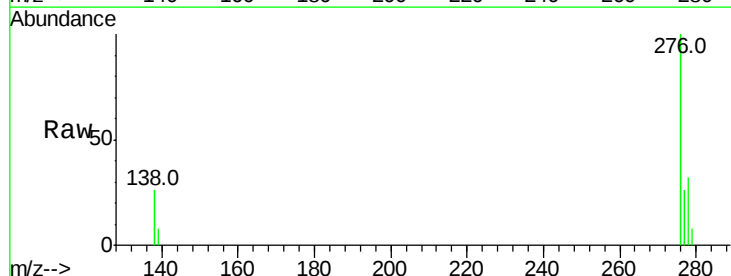
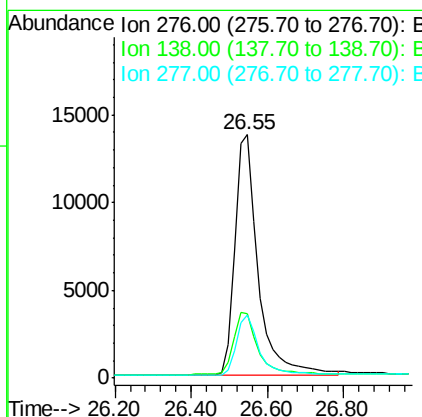
Manual Integrations
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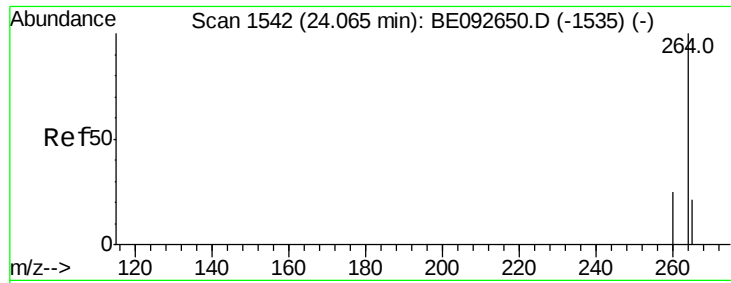
mohammad
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 1.01 ng
 RT: 26.55 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BE092651.D
 Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.3	30.5
277	24.4	19.7	29.5





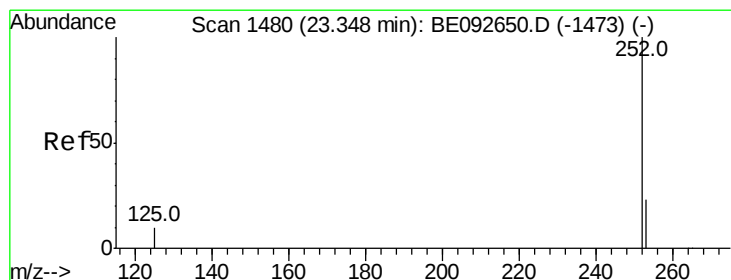
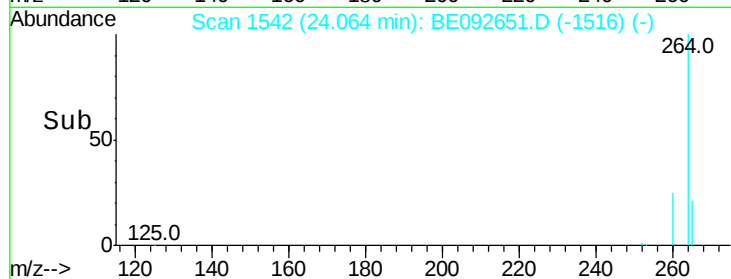
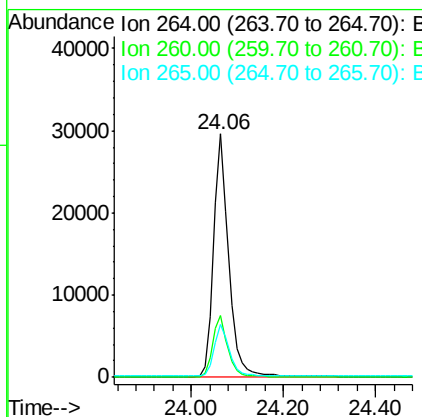
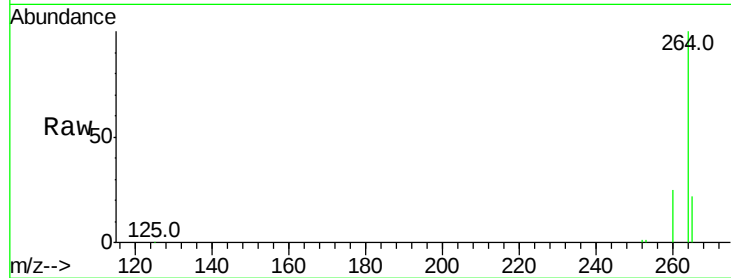
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.2	20.1	30.1	
265	21.6	17.9	26.9	

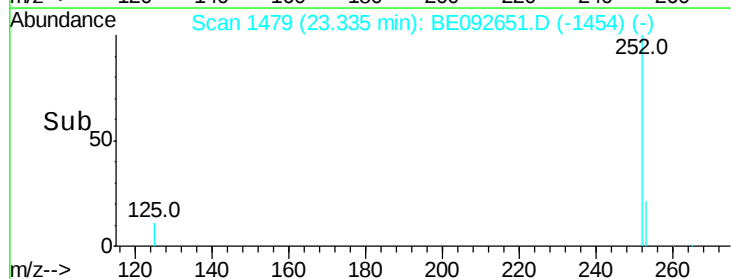
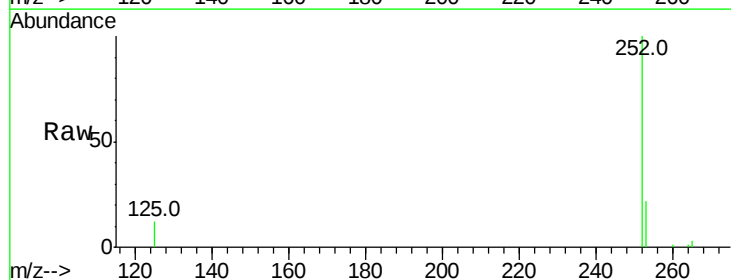
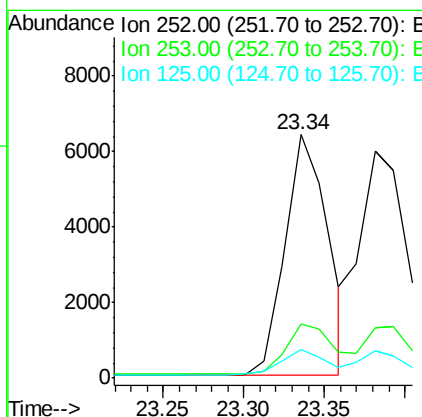
Manual Integrations
APPROVED

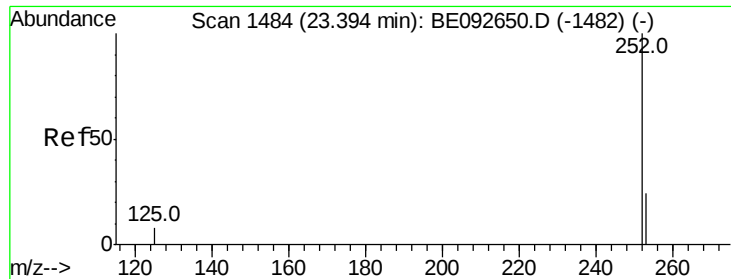
mohammad
1/17/2017 4:40:03 PM



#32
Benzo(b)fluoranthene
Concen: 0.76 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.2	18.7	28.1	
125	11.6	10.5	15.7	





#33

Benzo(k)fluoranthene

Concen: 0.79 ng

RT: 23.38 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE092651.D

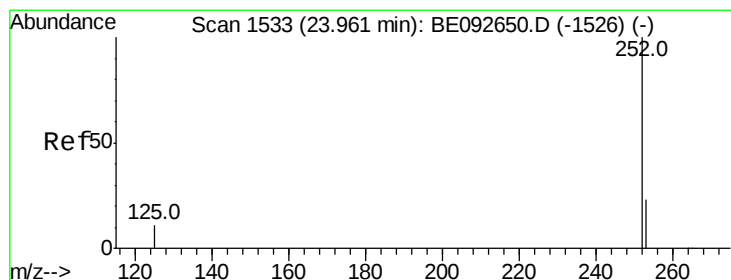
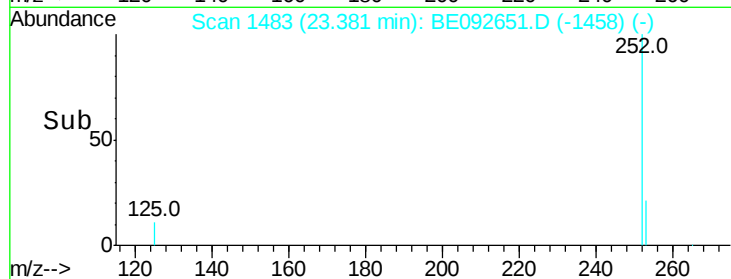
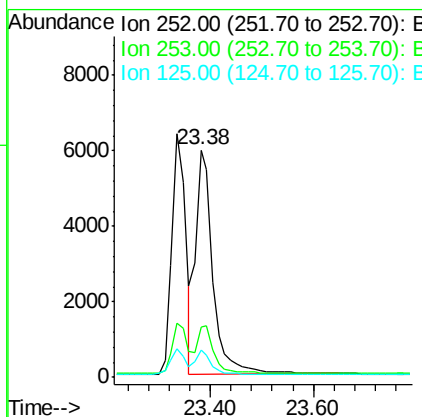
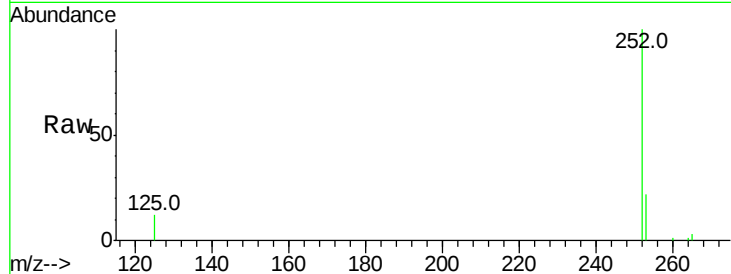
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.3	30.5
125	11.9	9.6	14.4

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#34

Benzo(a)pyrene

Concen: 0.77 ng

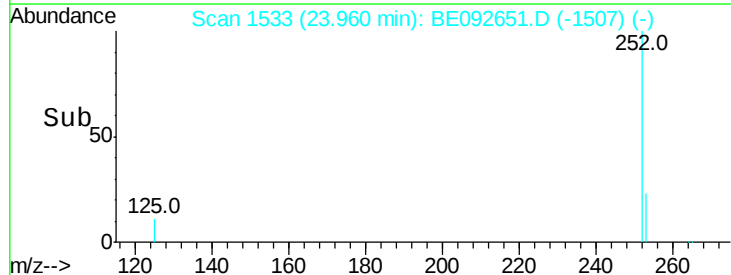
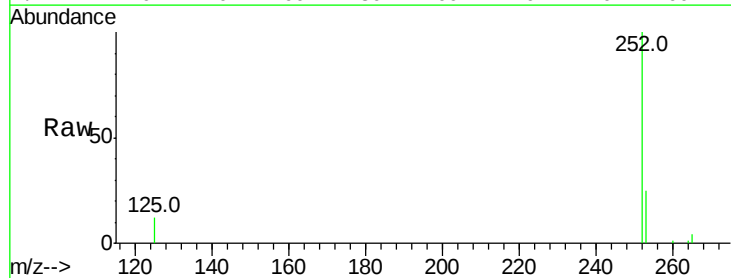
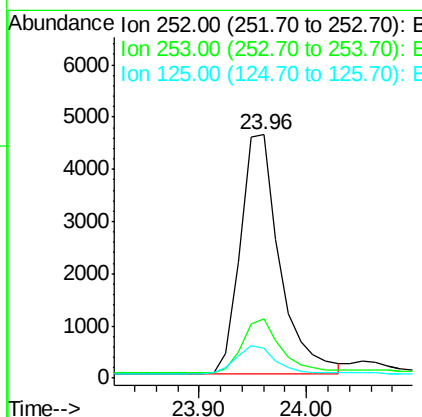
RT: 23.96 min Scan# 1533

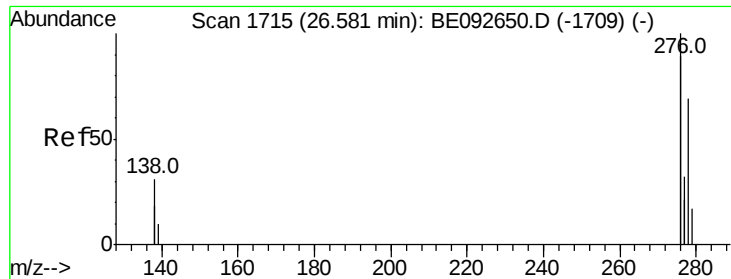
Delta R.T. -0.00 min

Lab File: BE092651.D

Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.6
125	12.1	11.8	17.8





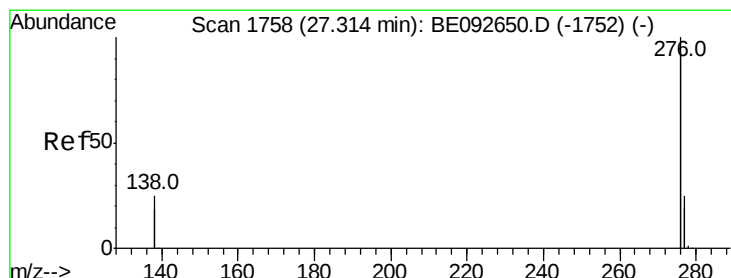
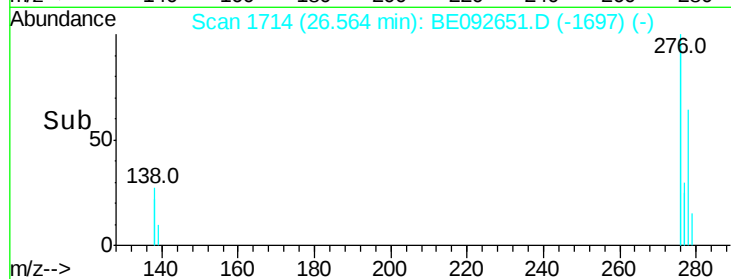
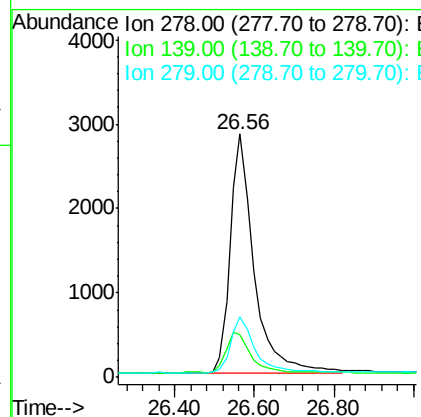
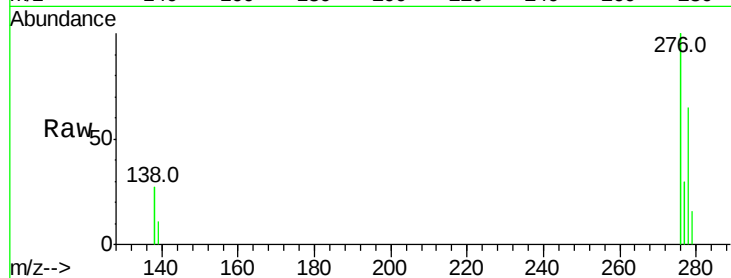
#35
Dibenzo(a,h)anthracene
Concen: 0.83 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.02 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.8	20.8
279	24.7	21.4	32.2

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1/17/2017 4:40:03 PM



#36
Benzo(g,h,i)perylene
Concen: 0.83 ng
RT: 27.30 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BE092651.D
Acq: 16 Jan 2017 14:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	24.5	19.8	29.6

