

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011617\
 Data File : BE092655.D
 Acq On : 16 Jan 2017 17:06
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
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Quant Time: Jan 16 18:16:50 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	9445	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	47425	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	32907	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	74691	5.00	ng	0.00
24) Chrysene-d12	21.72	240	69915	5.00	ng	0.00
31) Perylene-d12	24.06	264	75937	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.63	112	24400	16.98	ng	-0.02
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	9.29	82	35863	13.50	ng	-0.05
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.40	172	79003	10.04	ng	-0.02
26) Terphenyl-d14	20.14	244	111701	13.03	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	12600	9.10	ng	91
3) n-Nitrosodimethylamine	3.72	42	18988	16.40	ng	94
6) bis(2-Chloroethyl)ether	7.54	93	29876	13.97	ng	98
9) Naphthalene	10.95	128	95343	9.79	ng	# 95
10) Hexachlorobutadiene	11.24	225	14006	9.48	ng	99
11) 2-Methylnaphthalene	12.59	142	65915	10.64	ng	# 85
15) Acenaphthylene	14.49	152	486793	10.72	ng	100
16) Acenaphthene	14.85	154	71298	9.53	ng	92
17) Fluorene	15.83	166	93837	10.21	ng	99
19) Hexachlorobenzene	16.87	284	24111	7.56	ng	# 39
21) Phenanthrene	17.58	178	152721	8.11	ng	# 95
22) Anthracene	17.67	178	153384	8.91	ng	99
23) Fluoranthene	19.58	202	726682	8.93	ng	98
25) Pyrene	19.93	202	786547	12.77	ng	100
27) Benzo(a)anthracene	21.68	228	762213	12.14	ng	# 77
28) Chrysene	21.75	228	692650m	9.52	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	141747	20.85	ng	# 70
30) Indeno(1,2,3-cd)pyrene	26.53	276	864347	13.15	ng	98
32) Benzo(b)fluoranthene	23.33	252	205343	11.76	ng	# 97
33) Benzo(k)fluoranthene	23.38	252	182314	9.36	ng	95
34) Benzo(a)pyrene	23.95	252	186747	11.08	ng	# 94
35) Dibenzo(a,h)anthracene	26.55	278	179311	11.20	ng	94
36) Benzo(g,h,i)perylene	27.28	276	729275	10.64	ng	98

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

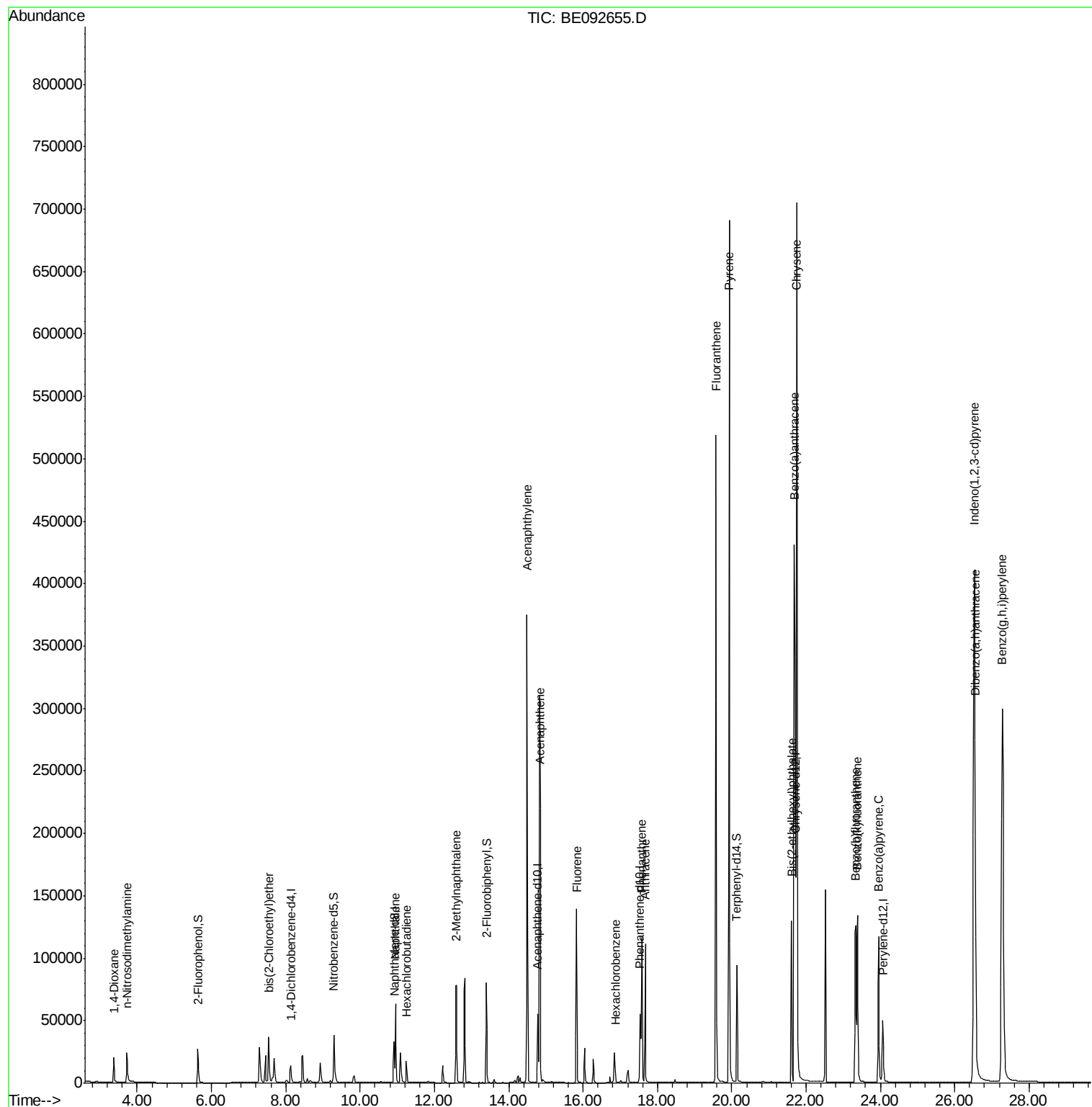
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011617\
Data File : BE092655.D
Acq On : 16 Jan 2017 17:06
Operator : UM/SJ
Sample : SSTDIC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

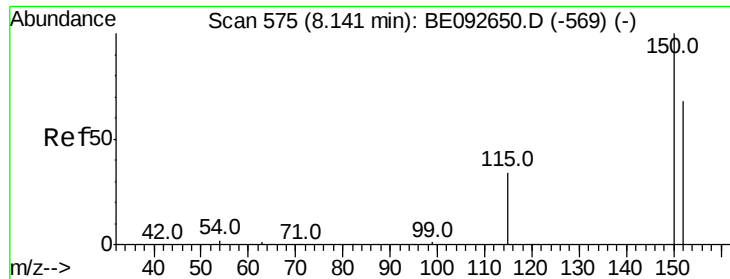
Instrument :
BNA_E
ClientSampleId :
SSTDIC010

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Quant Time: Jan 16 18:16:50 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: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

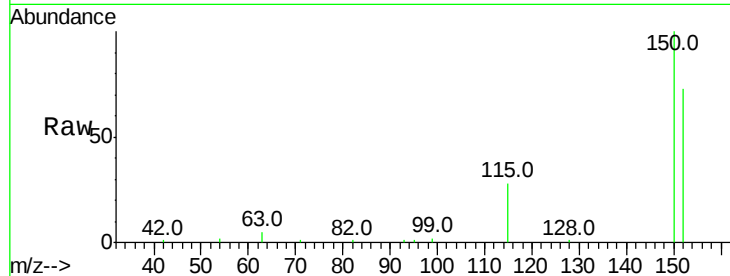
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SSTDIC010

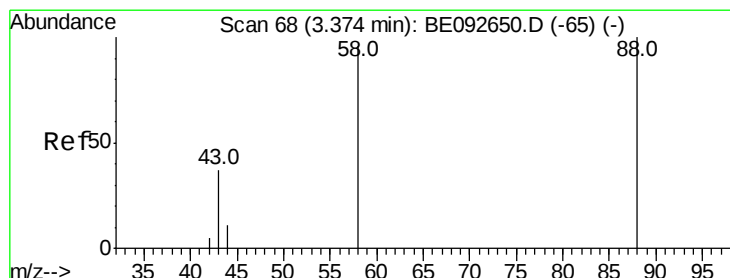
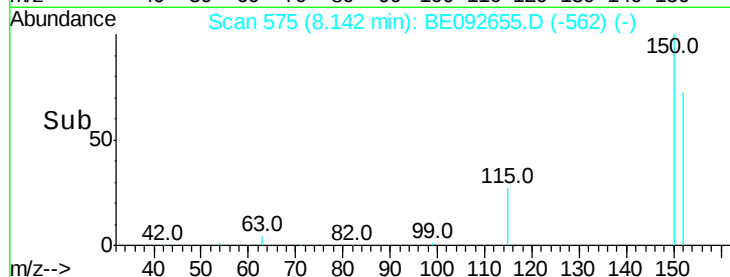
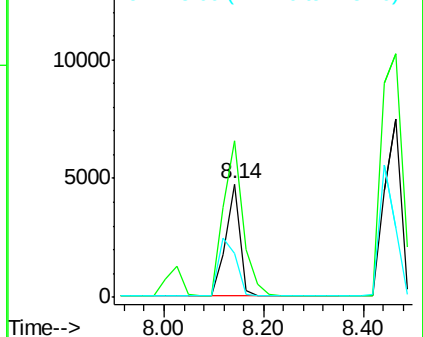
Tot Ion	Ratio	Lower	Upper
152	100		
150	137.5	106.0	159.0
115	38.6	31.2	46.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 9.10 ng

RT: 3.38 min Scan# 68

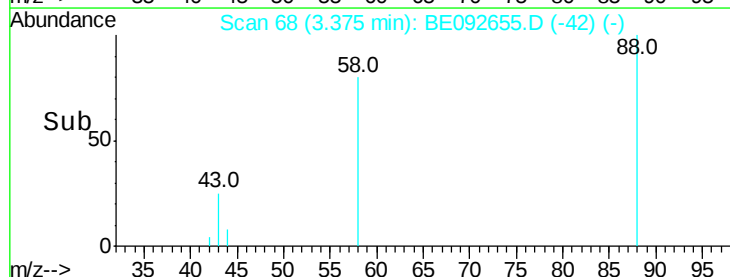
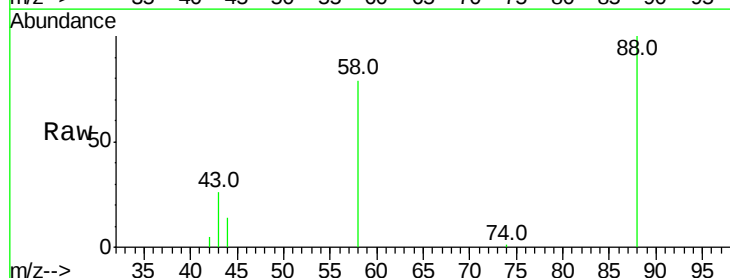
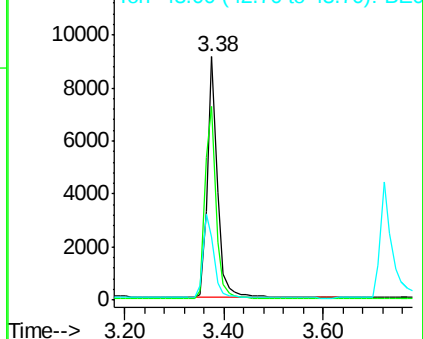
Delta R.T. 0.00 min

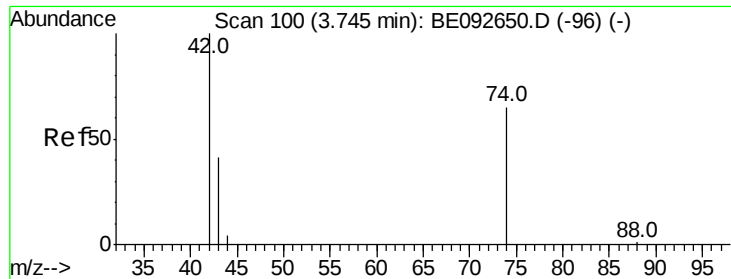
Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.1	63.6	95.4
43	38.1	28.0	42.0

Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

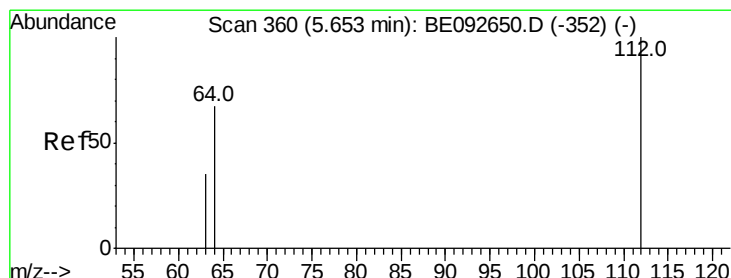
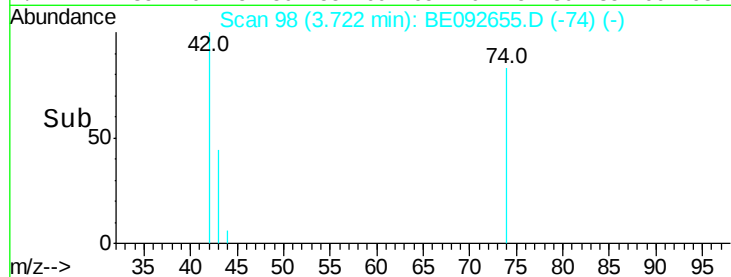
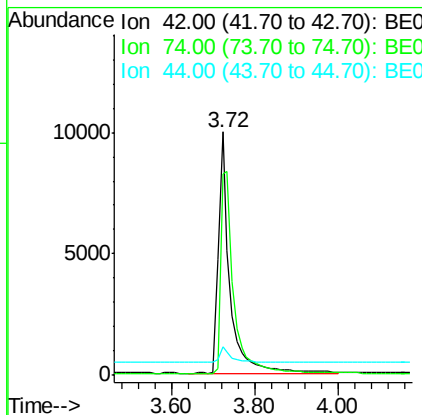
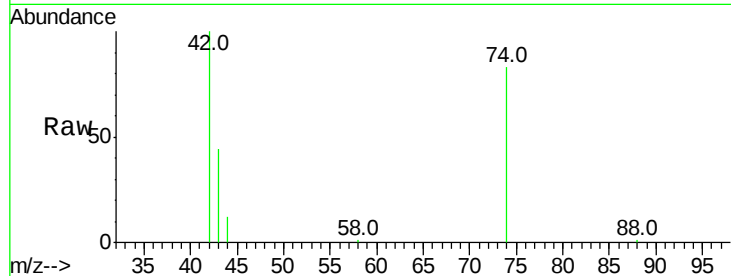
n-Nitrosodimethylamine
Concen: 16.40 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.02 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
42	100		
74	100.4	86.0	129.0
44	6.1	5.1	7.7

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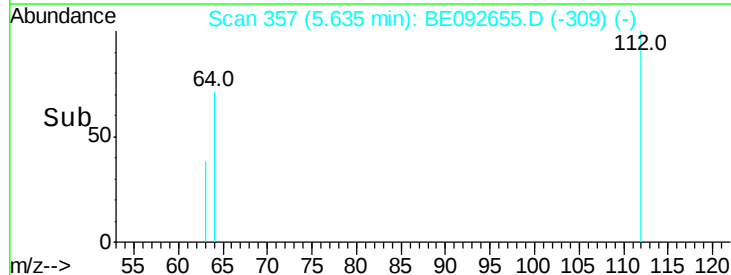
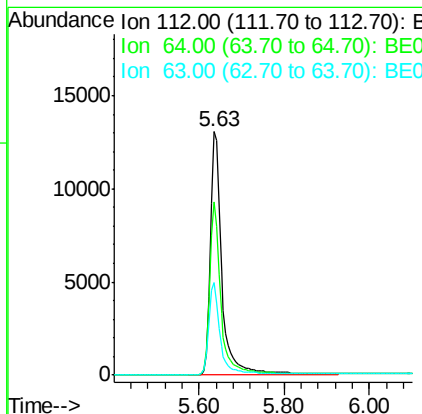
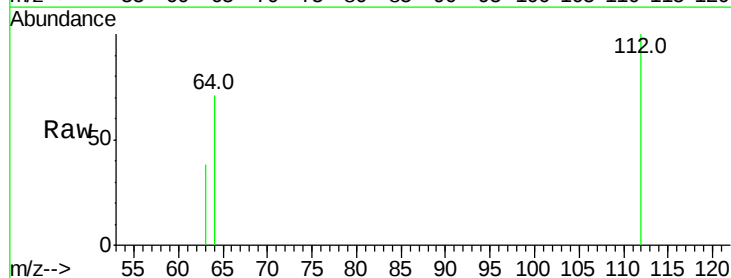
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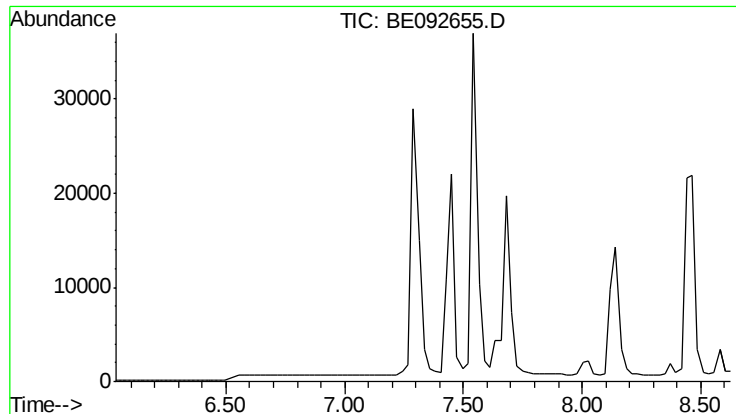


#4

2-Fluorophenol
Concen: 16.98 ng
RT: 5.63 min Scan# 357
Delta R.T. -0.02 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.5	80.3
63	37.0	27.9	41.9





#5

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.33 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tot Ion: 99

Sig Exp Ratio

99 100

42 20.0

71 38.2

Instrument :

BNA_E

ClientSampleId :

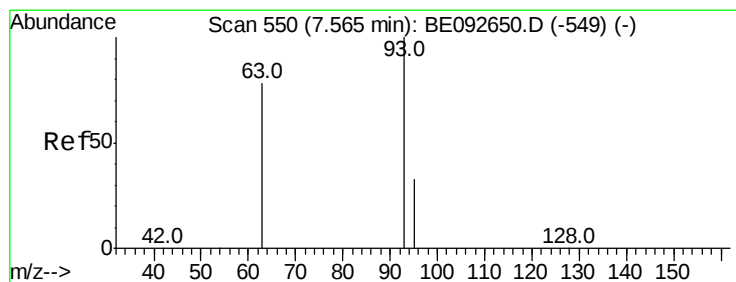
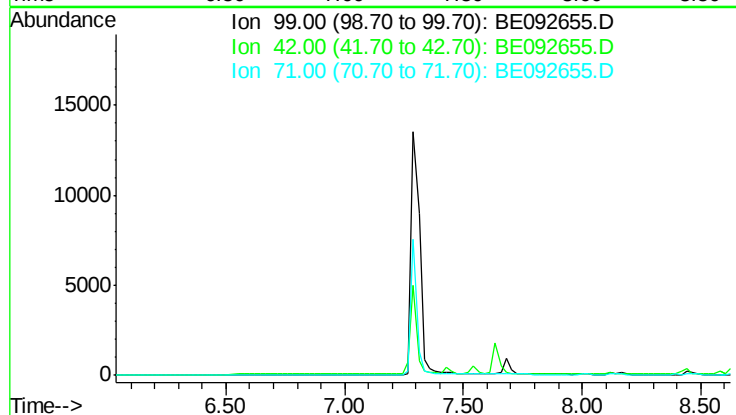
SSTDICC010

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#6

bis(2-Chloroethyl)ether

Concen: 13.97 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

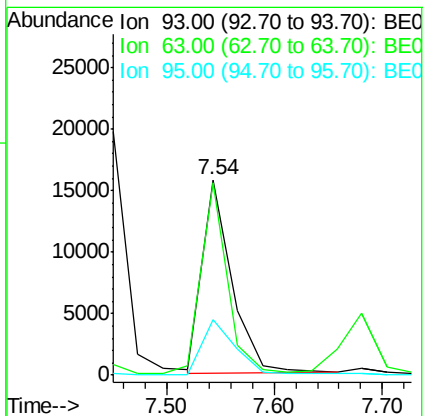
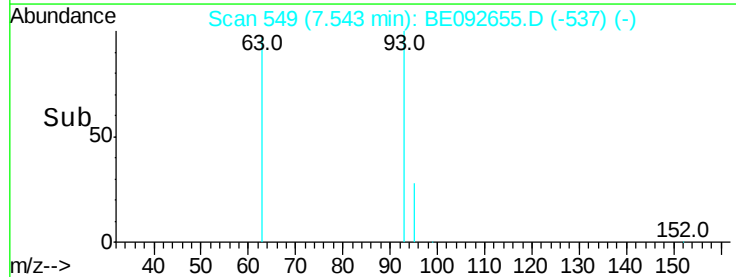
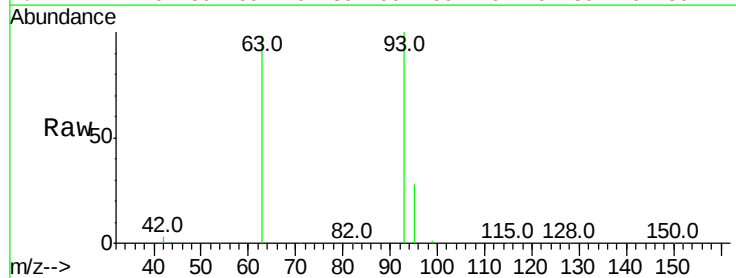
Tgt Ion: 93 Resp: 29876

Ion Ratio Lower Upper

93 100

63 88.4 71.6 107.4

95 32.7 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: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

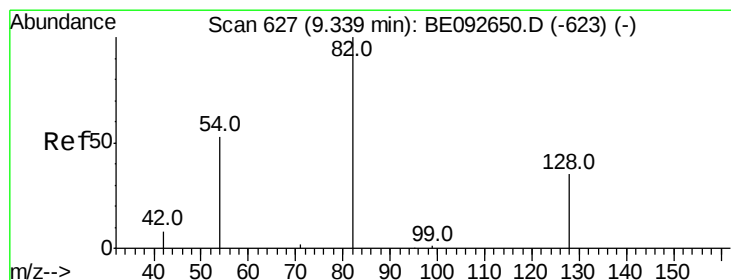
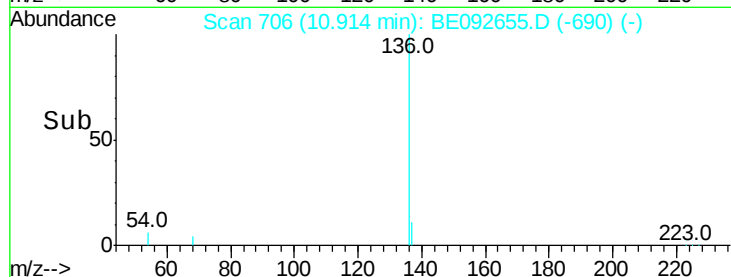
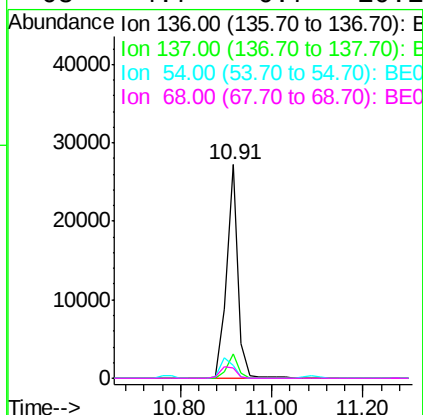
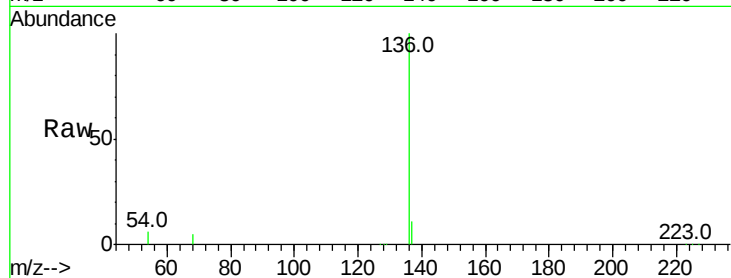
ClientSampleId :

SSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.2	12.4	
54	6.2	9.6	14.4	
68	4.7	6.7	10.1	

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#8

Nitrobenzene-d5

Concen: 13.50 ng

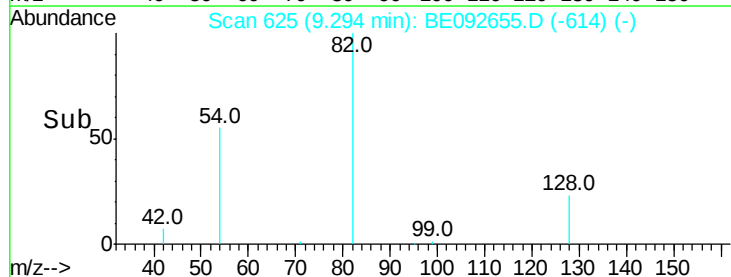
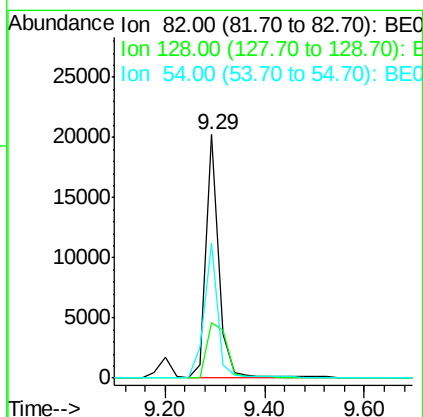
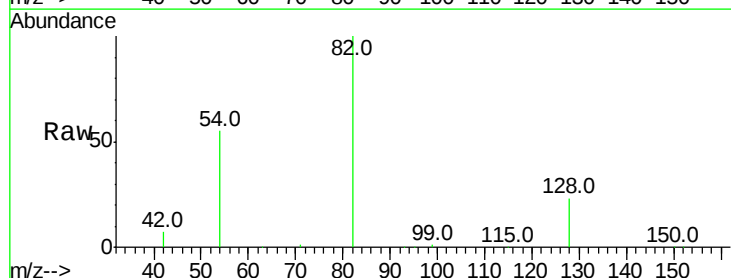
RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	22.7	39.0	58.4	
54	55.3	44.8	67.2	





#9

Naphthalene

Concen: 9.79 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

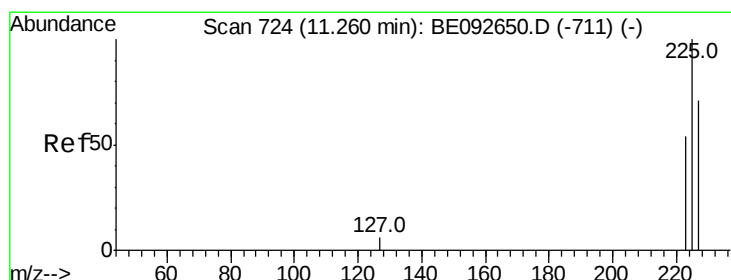
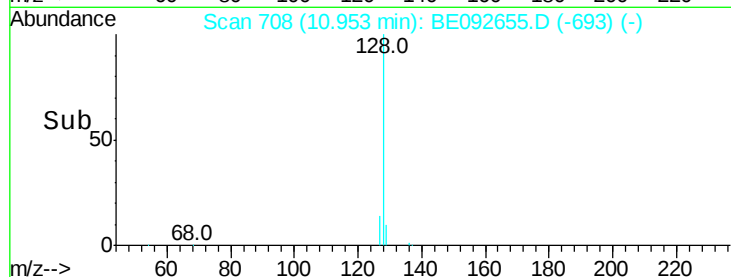
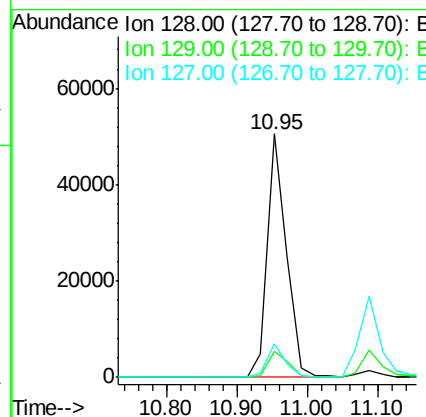
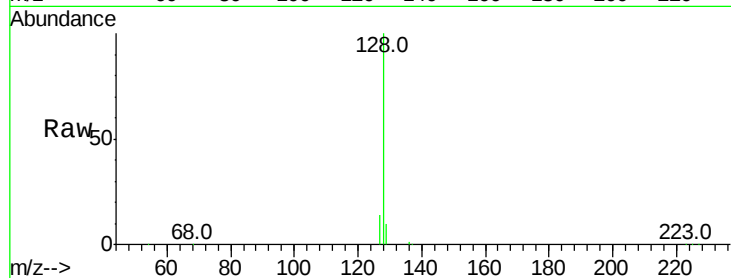
ClientSampleId :

SSTDIC010

Tot Ion:	128	Resp:	95343
Ion Ratio	Lower	Upper	
128	100		
129	10.5	11.2	16.8#
127	13.9	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 9.48 ng

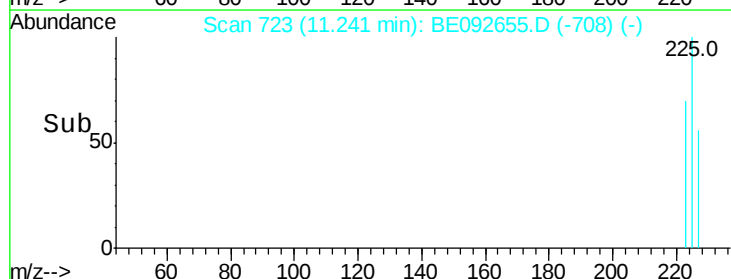
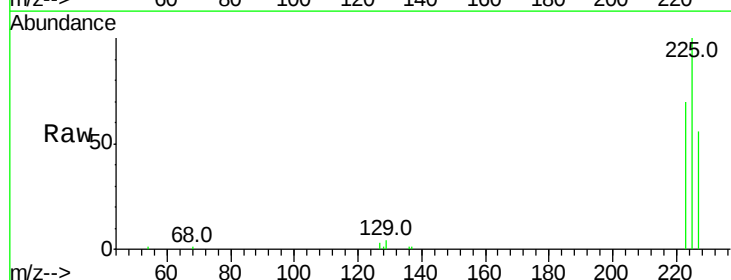
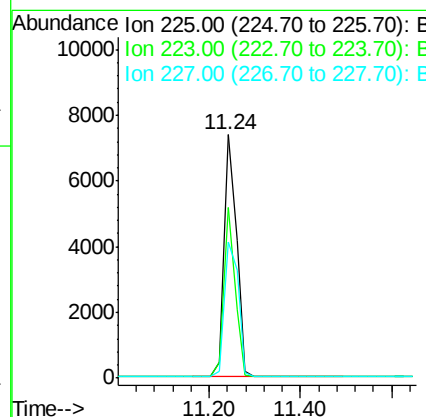
RT: 11.24 min Scan# 723

Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tgt Ion:	225	Resp:	14006
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.6	76.0
227	63.4	51.4	77.0





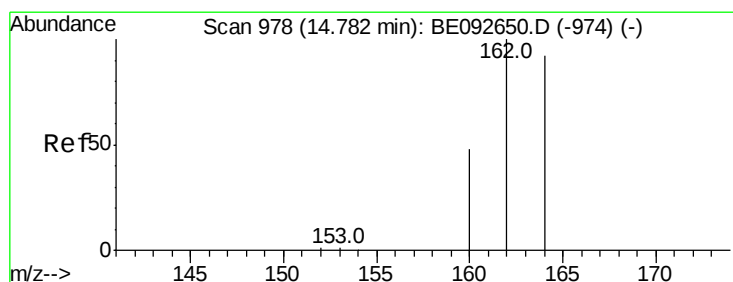
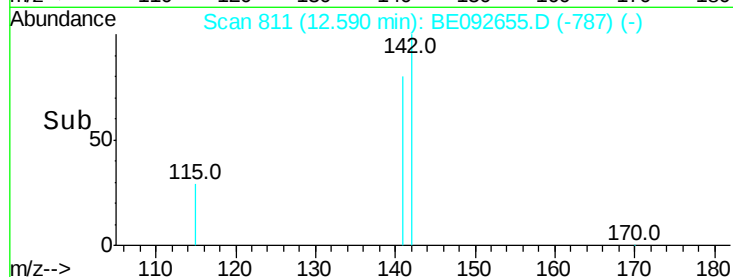
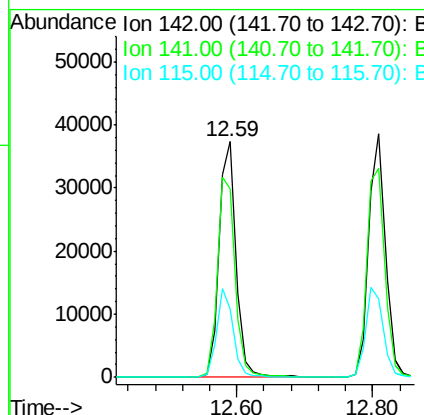
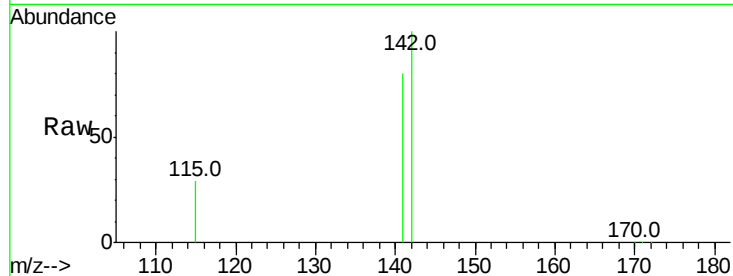
#11
2-Methylnaphthalene
Concen: 10.64 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
142	100		
141	79.8	73.7	110.5
115	29.0	34.0	51.0#

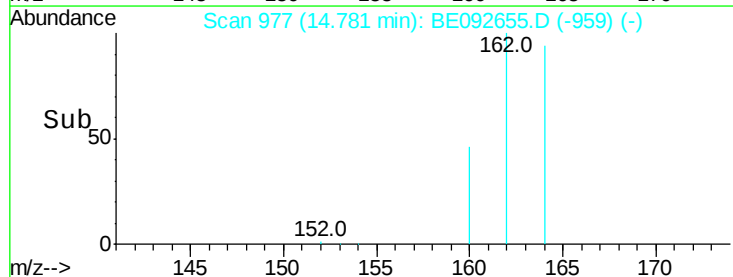
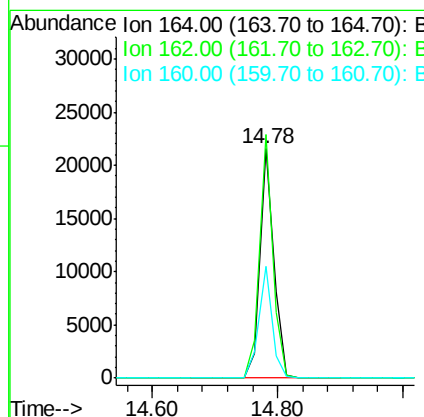
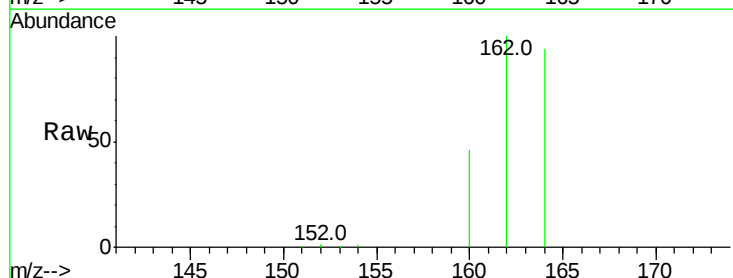
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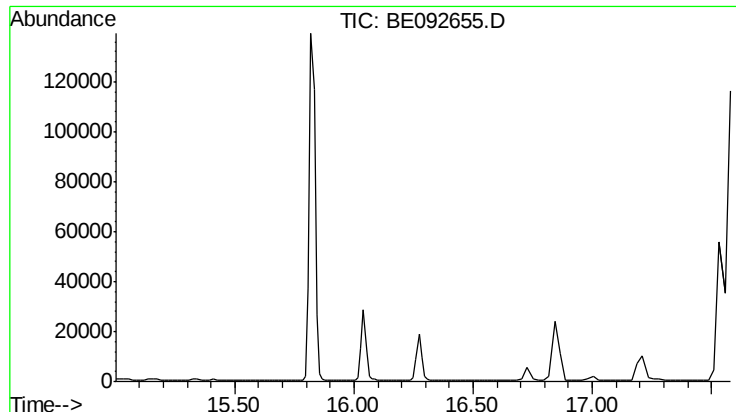
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 977
Delta R.T. -0.00 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	71.4	107.0
160	48.6	27.4	41.2#





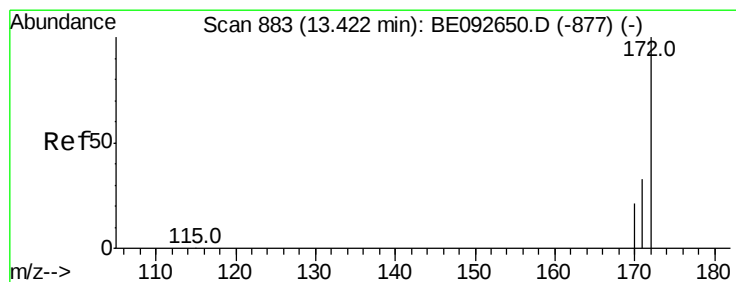
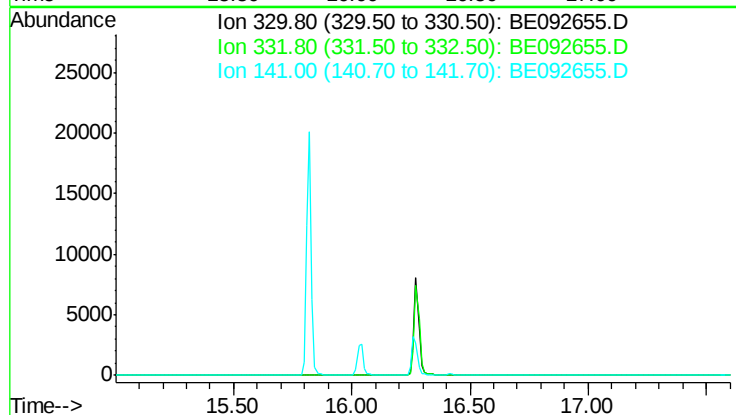
#13
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 16.30 min
 Lab File: BE092655.D
 Acq: 16 Jan 2017 17:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	330	332	141
Exp Ratio	100	94.2	38.8

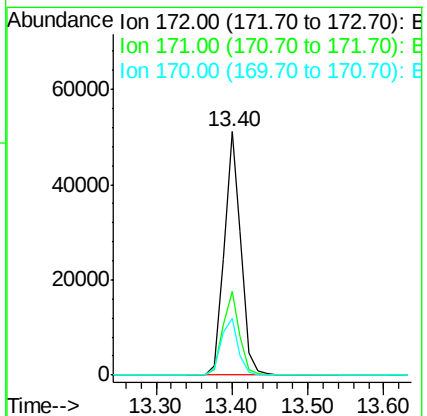
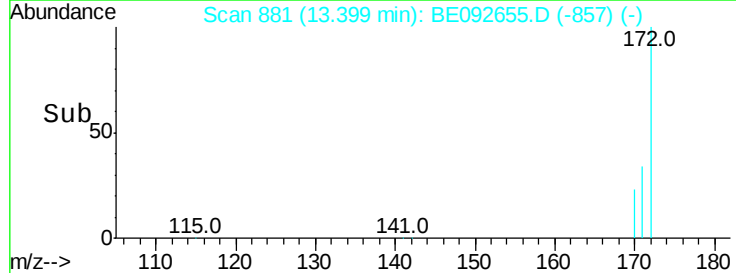
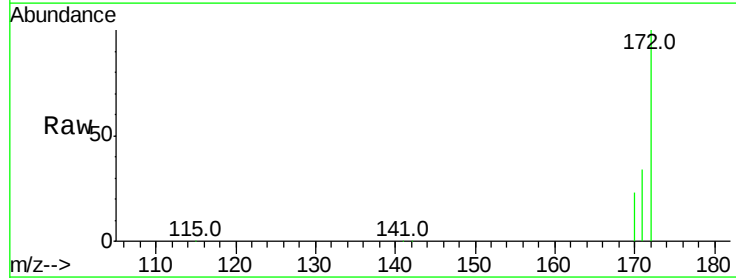
Manual Integrations
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#14
 2-Fluorobiphenyl
 Concen: 10.04 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092655.D
 Acq: 16 Jan 2017 17:06

Tgt Ion	172	171	170
Resp	79003	34.3	23.1
Ratio	100	30.1	21.8
Lower		45.1	32.6
Upper			





#15

Acenaphthylene

Concen: 10.72 ng

RT: 14.49 min Scan# 960

Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

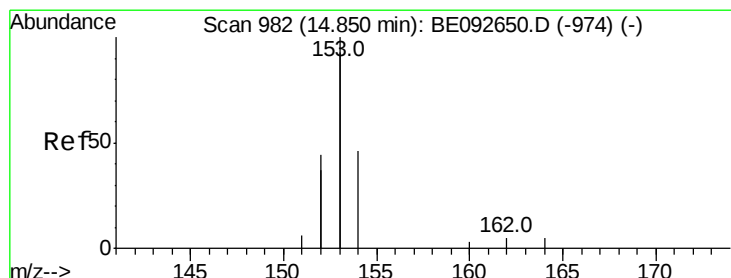
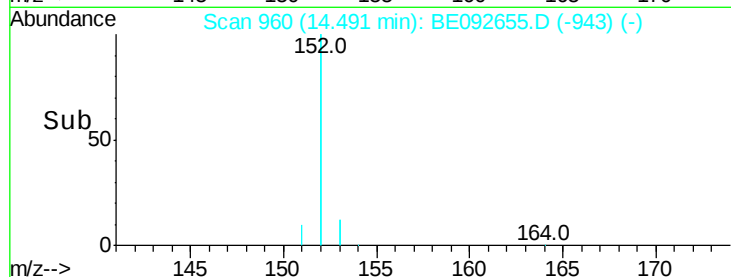
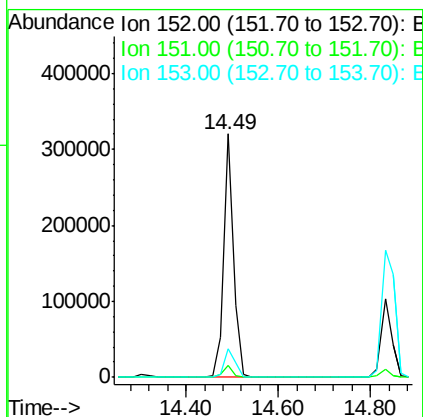
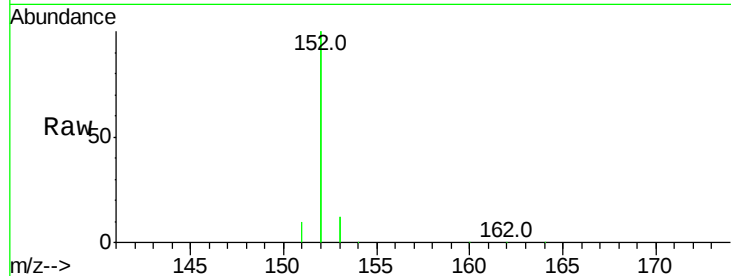
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.8	10.4	15.6

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#16

Acenaphthene

Concen: 9.53 ng

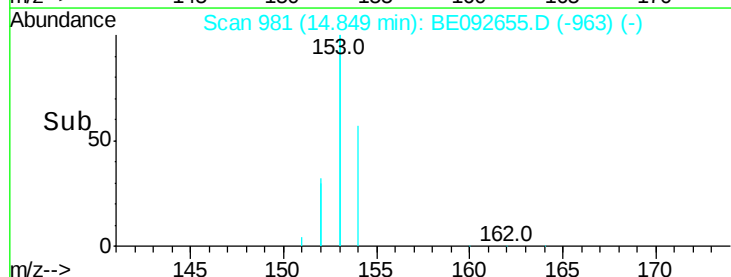
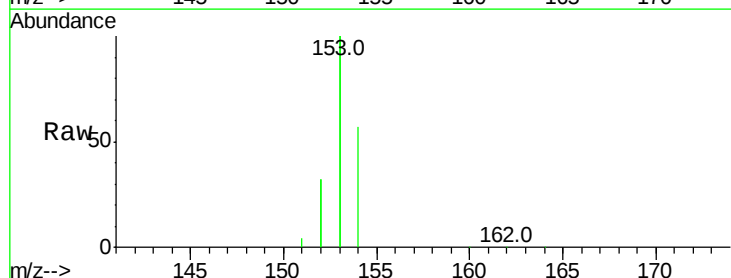
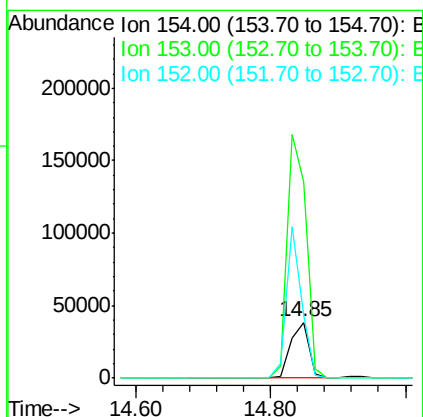
RT: 14.85 min Scan# 981

Delta R.T. -0.00 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	457.1	350.8	526.2
152	228.7	171.1	256.7





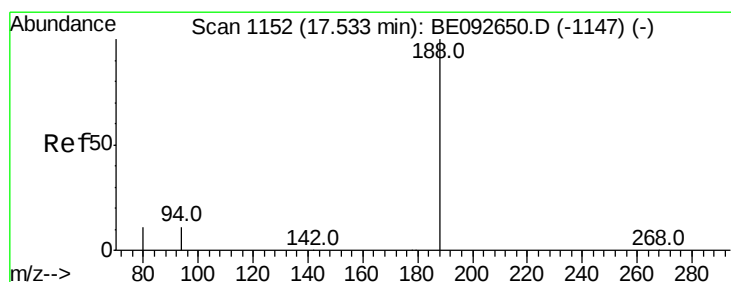
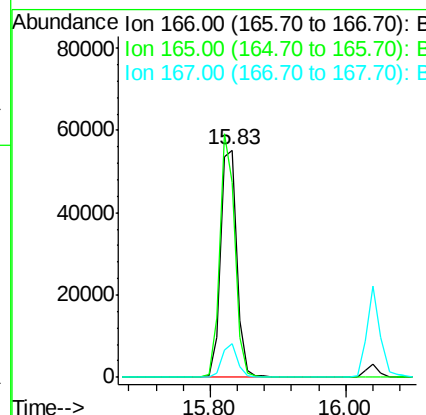
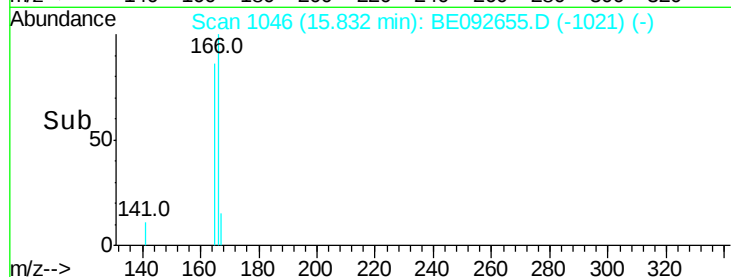
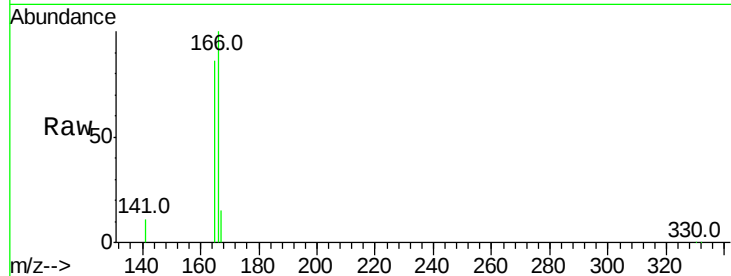
#17
Fluorene
Concen: 10.21 ng
RT: 15.83 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.4
167	13.5	11.0	16.4

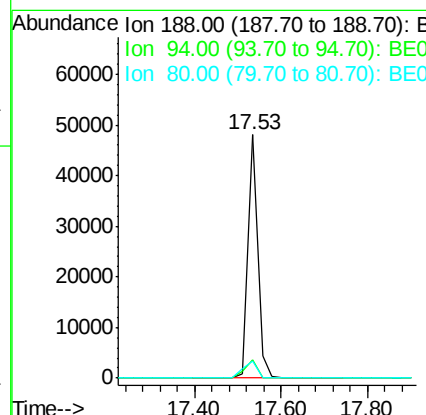
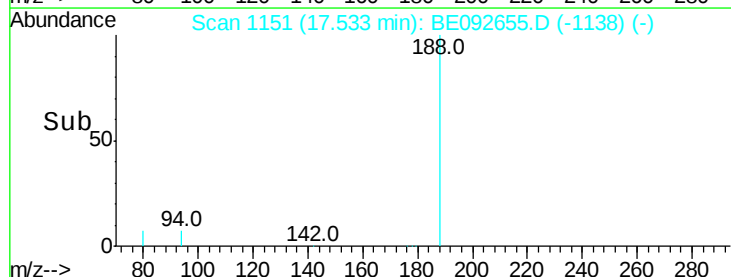
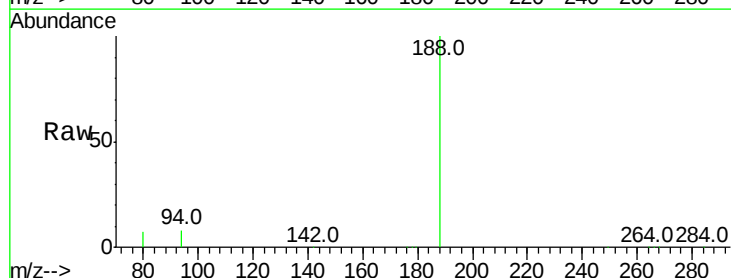
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	3.2	4.8#
80	7.0	2.6	3.8#





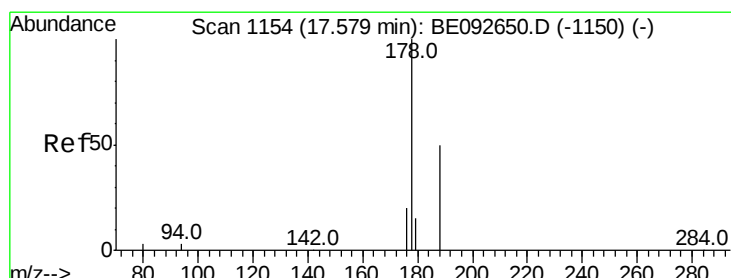
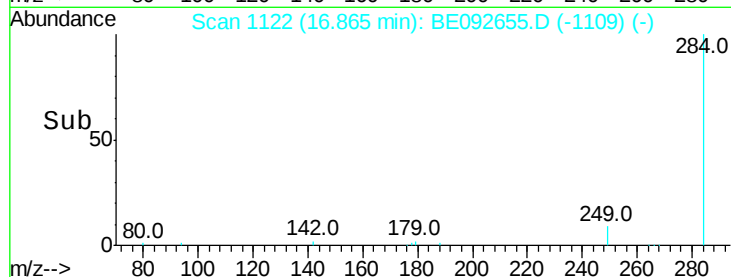
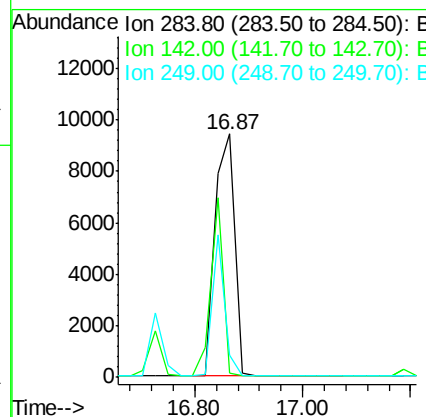
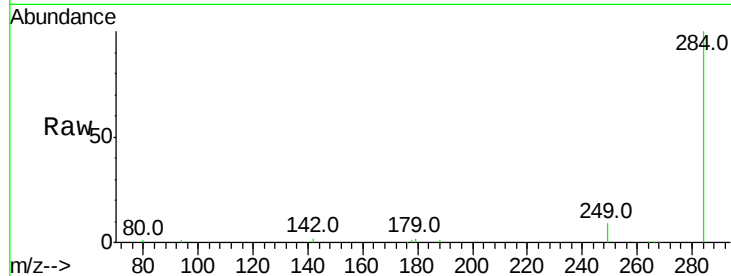
#19
Hexachlorobenzene
Concen: 7.56 ng
RT: 16.87 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

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

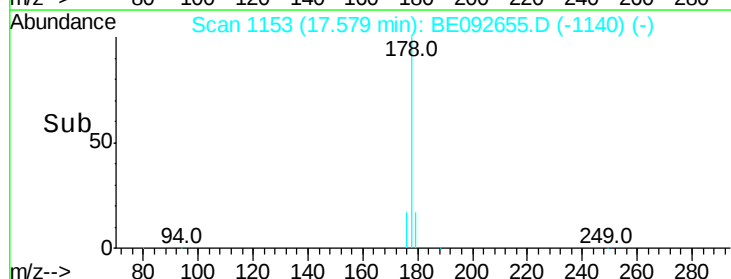
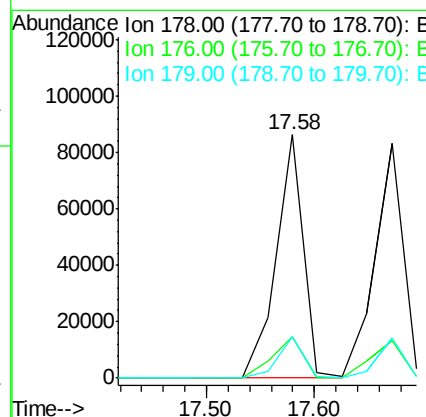
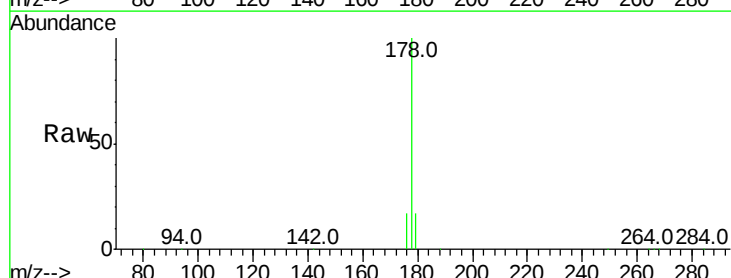
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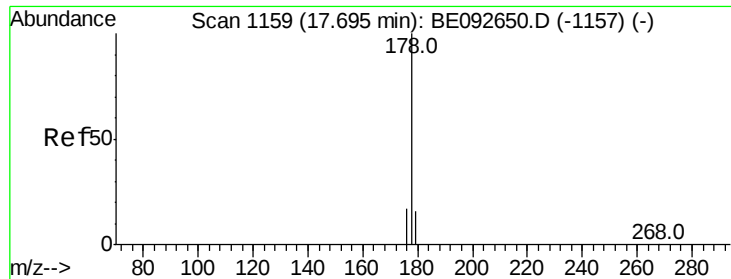
mohammad
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#21
Phenanthrene
Concen: 8.11 ng
RT: 17.58 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.9	16.0	24.0#





#22

Anthracene

Concen: 8.91 ng

RT: 17.67 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

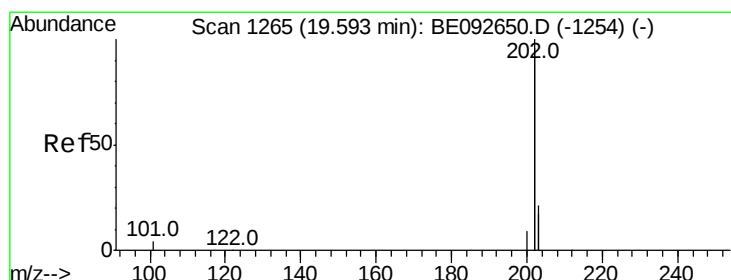
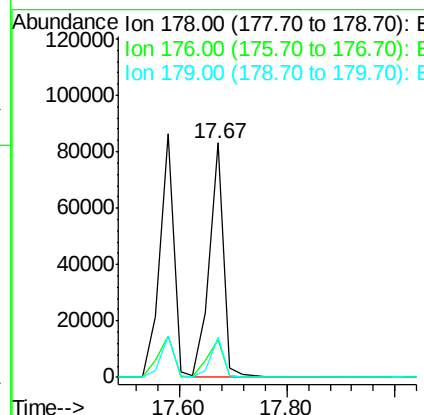
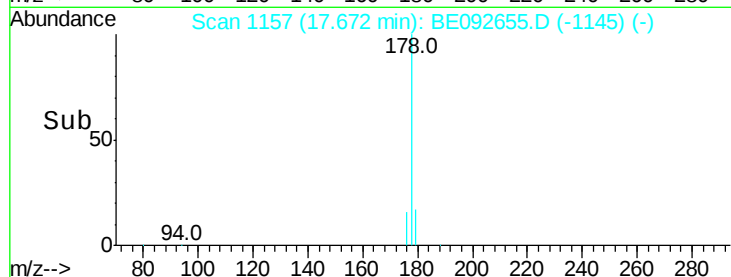
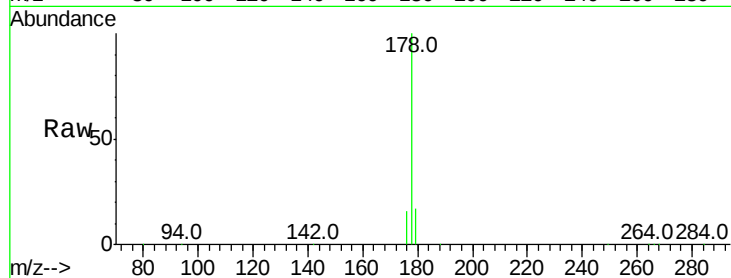
ClientSampleId :

SSTDIC010

Tot Ion:178	Resp:	153384
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.0 22.4
179	15.9	12.2 18.2

Manual Integrations
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#23

Fluoranthene

Concen: 8.93 ng

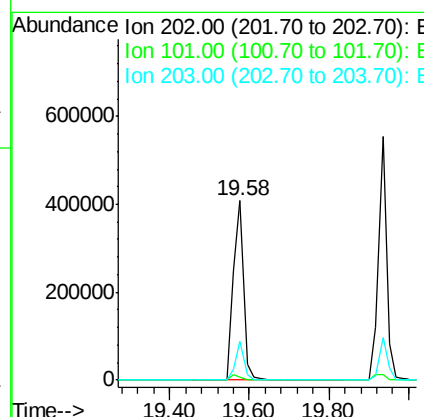
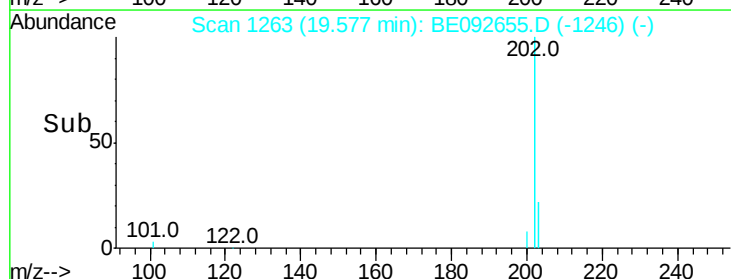
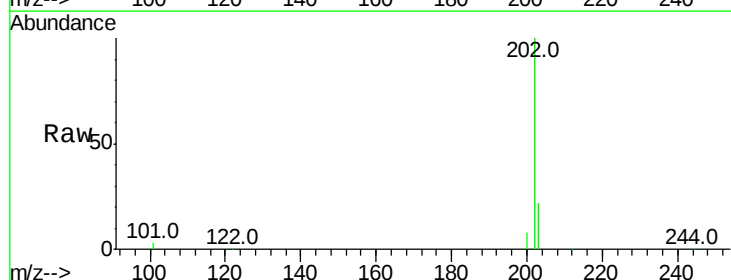
RT: 19.58 min Scan# 1263

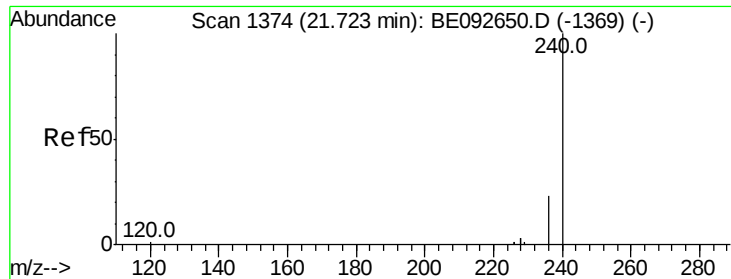
Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tgt Ion:202	Resp:	726682
Ion Ratio	Lower	Upper
202	100	
101	3.0	2.2 3.4
203	17.8	13.7 20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

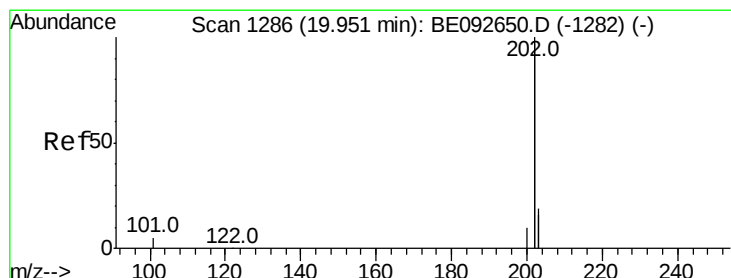
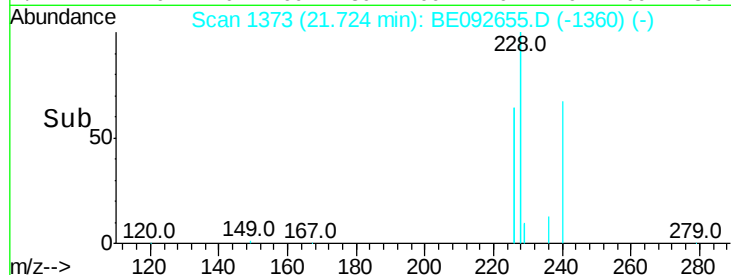
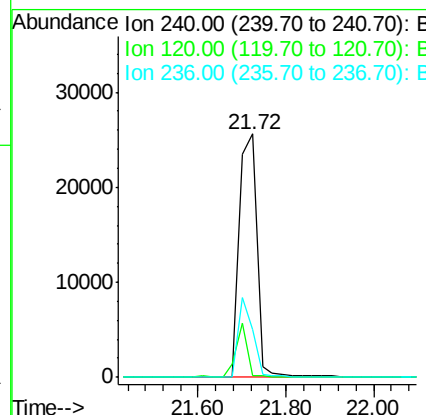
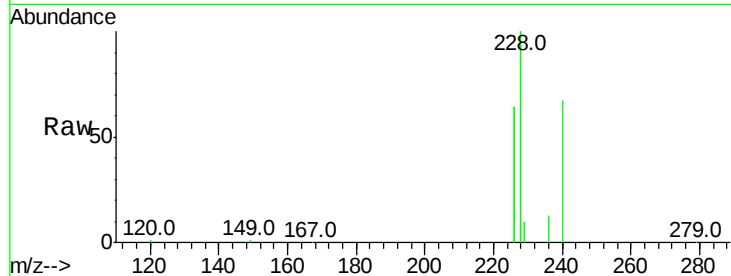
ClientSampleId :

SSTDIC010

Tot Ion:240 Resp: 69915
 Ion Ratio Lower Upper
 240 100
 120 1.0 2.6 4.0#
 236 19.7 24.6 37.0#

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#25

Pyrene

Concen: 12.77 ng

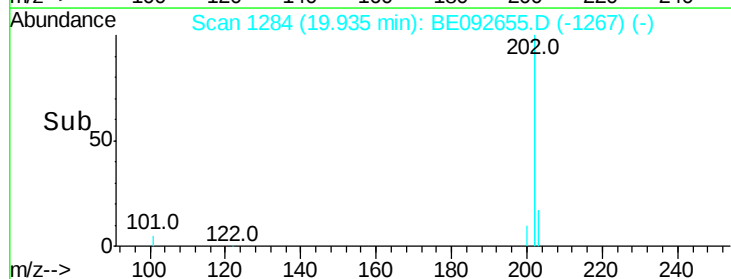
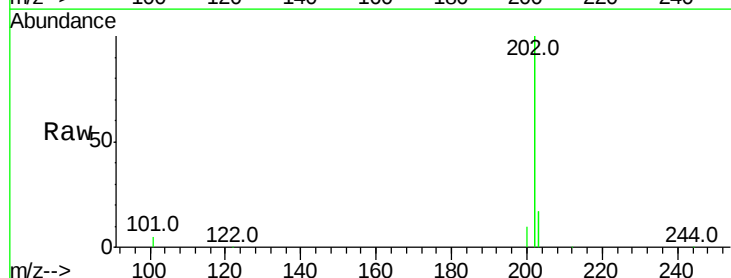
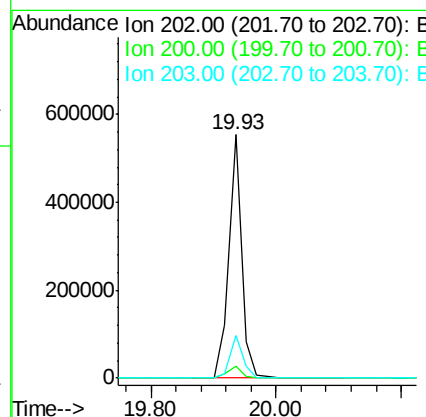
RT: 19.93 min Scan# 1284

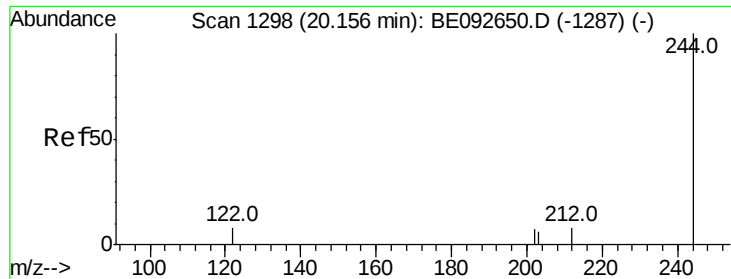
Delta R.T. -0.02 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Tgt Ion:202 Resp: 786547
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 17.7 13.9 20.9





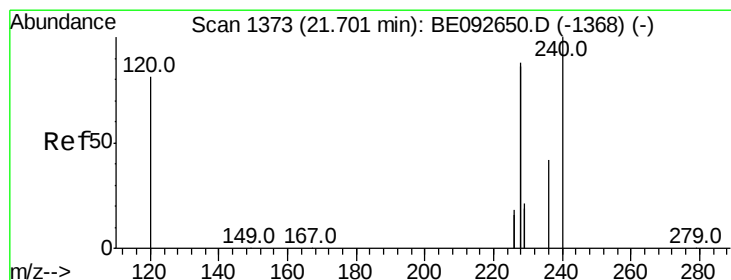
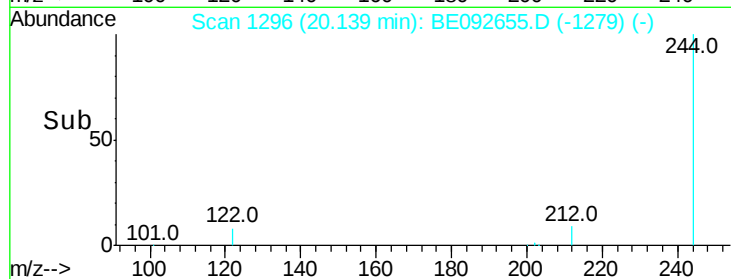
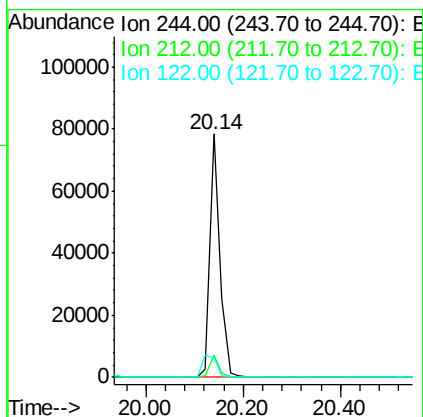
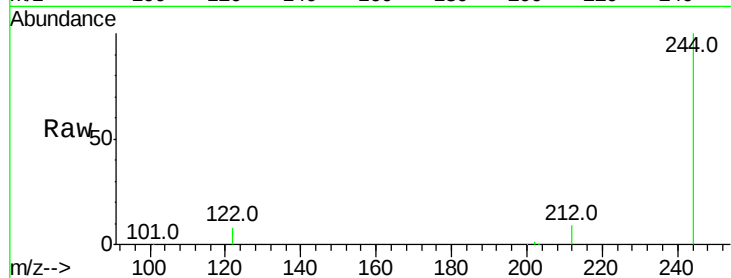
#26
 Terphenyl-d14
 Concen: 13.03 ng
 RT: 20.14 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092655.D
 Acq: 16 Jan 2017 17:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.7	10.1
122	8.1	3.6	5.4

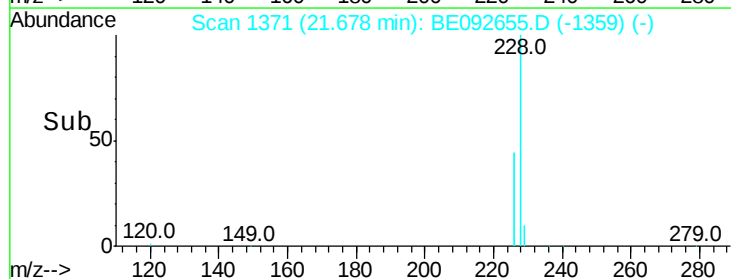
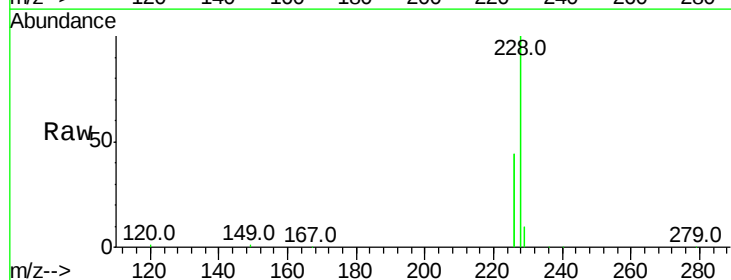
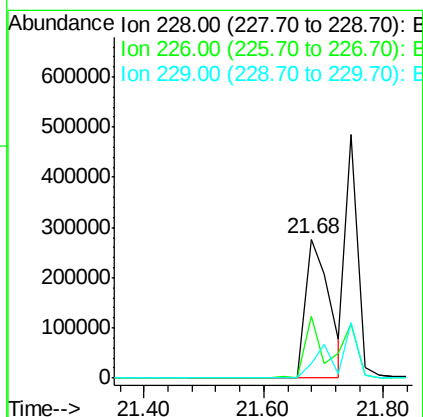
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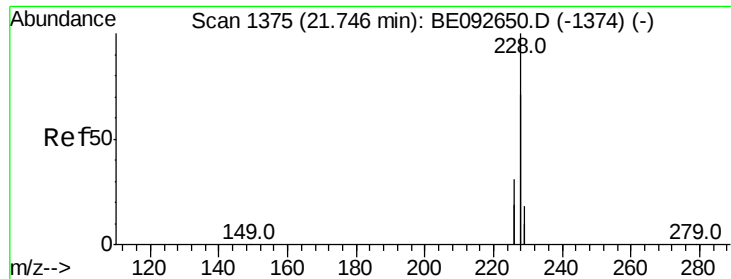
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#27
 Benzo(a)anthracene
 Concen: 12.14 ng
 RT: 21.68 min Scan# 1371
 Delta R.T. -0.02 min
 Lab File: BE092655.D
 Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.4	23.6	35.4
229	10.5	13.3	19.9





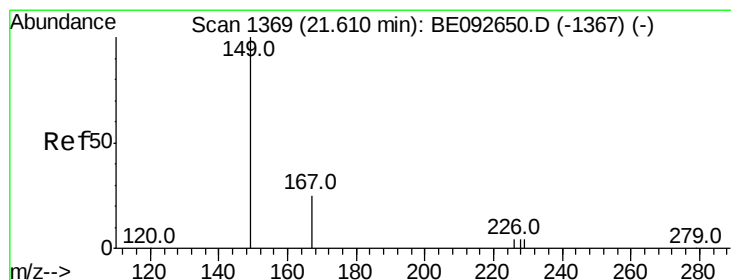
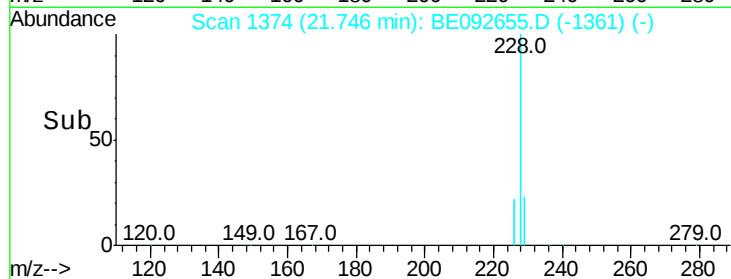
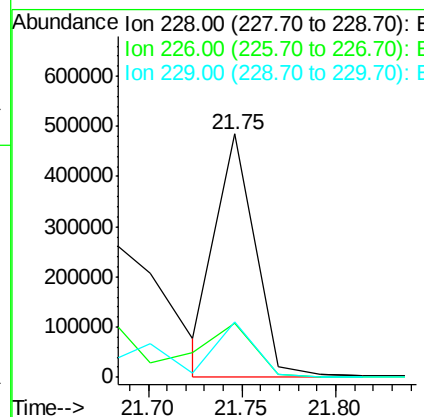
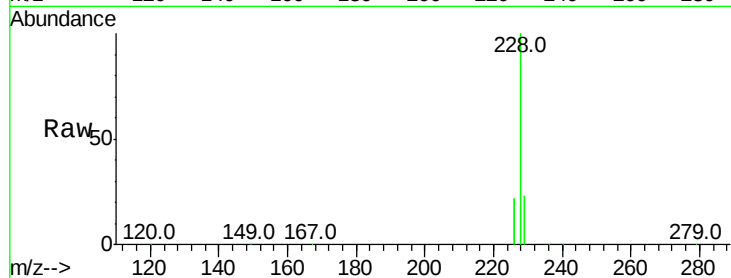
#28
 Chrysene
 Concen: 9.52 ng/ml
 RT: 21.75 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092655.D
 Acq: 16 Jan 2017 17:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
228	100		
226	22.0	36.3	54.5#
229	22.9	10.6	16.0#

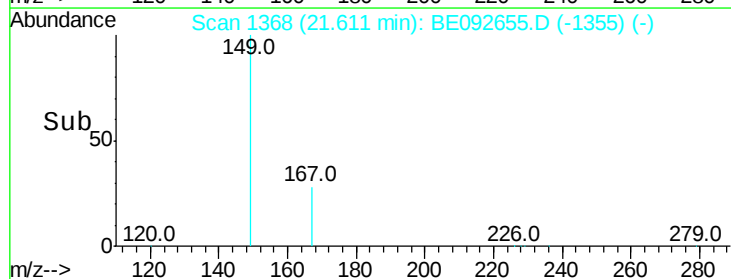
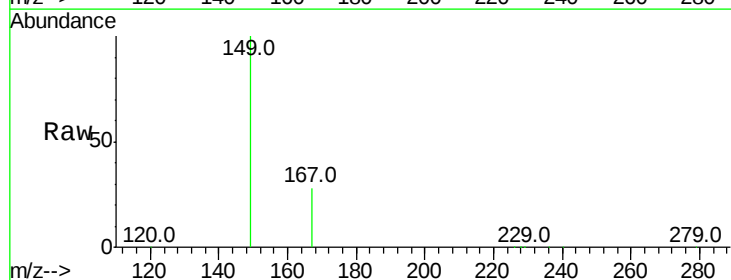
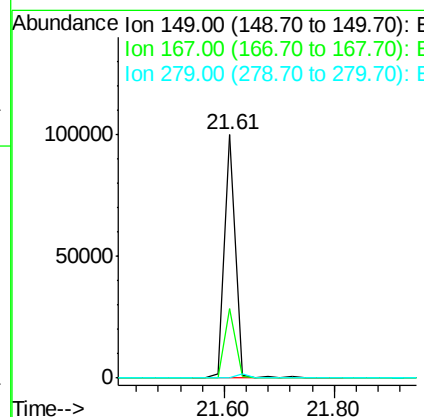
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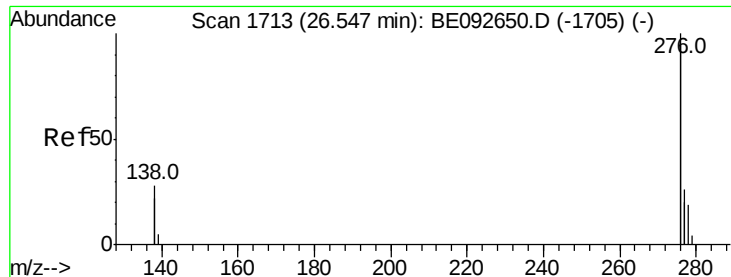
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#29
 Bis(2-ethylhexyl)phthalate
 Concen: 20.85 ng
 RT: 21.61 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE092655.D
 Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	16.0	24.0#
279	0.0	16.0	24.0#





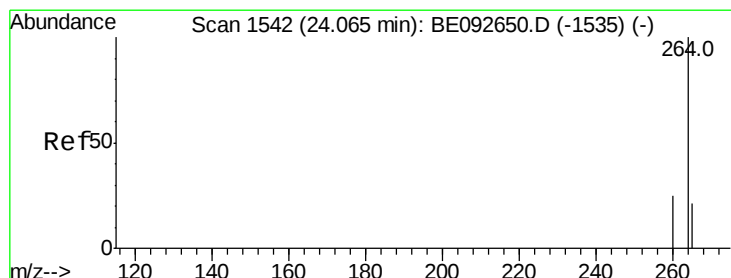
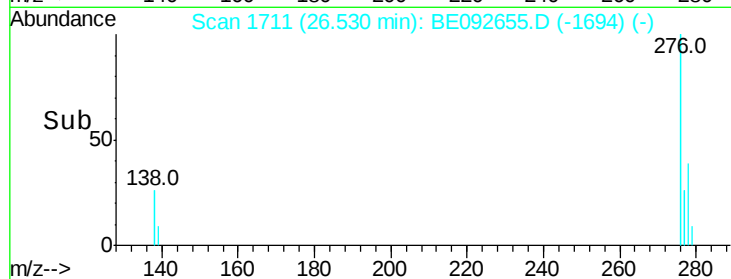
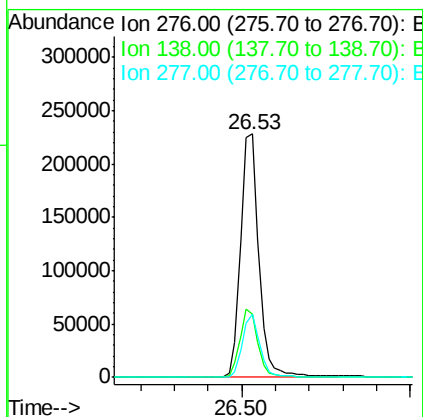
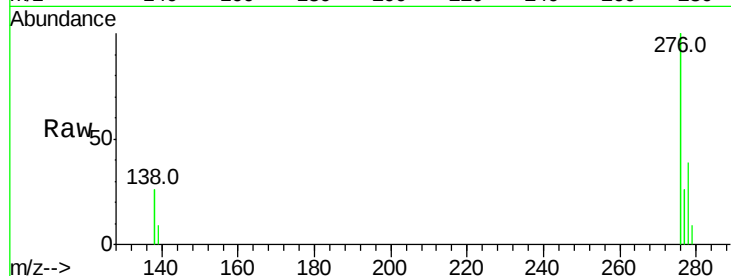
#30
Indeno(1,2,3-cd)pyrene
Concen: 13.15 ng
RT: 26.53 min Scan# 1711
Delta R.T. -0.02 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	20.3	30.5
277	24.8	19.7	29.5

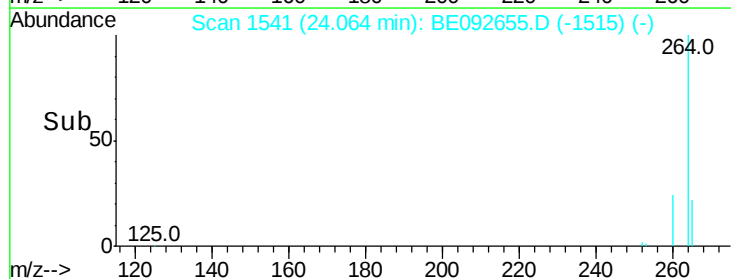
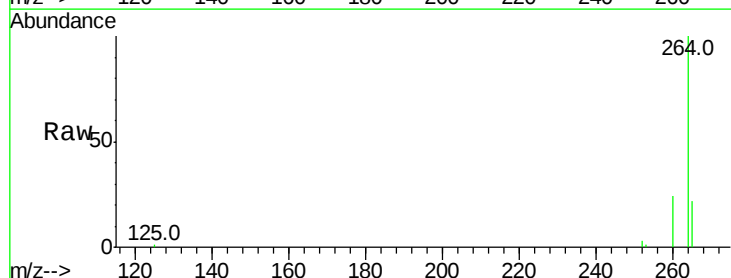
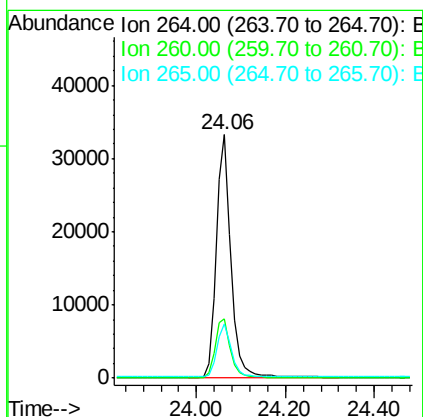
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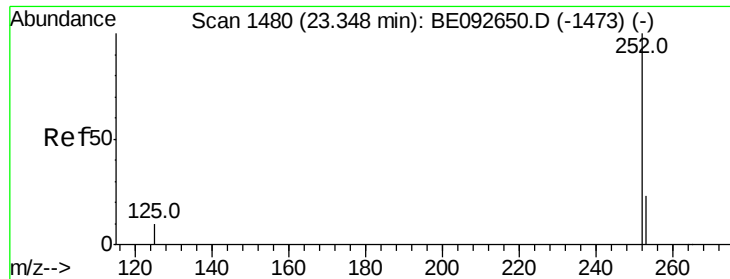
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.1	30.1
265	22.3	17.9	26.9





#32

Benzo(b)fluoranthene

Concen: 11.76 ng

RT: 23.33 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

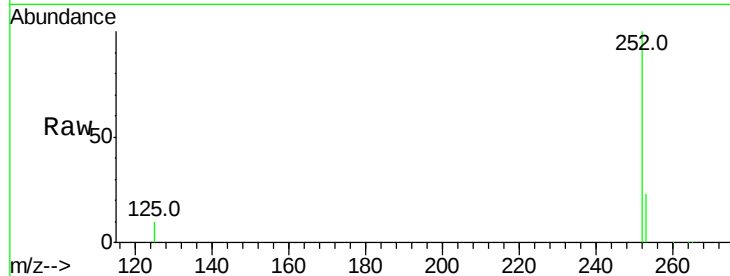
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	9.8	10.5	15.7

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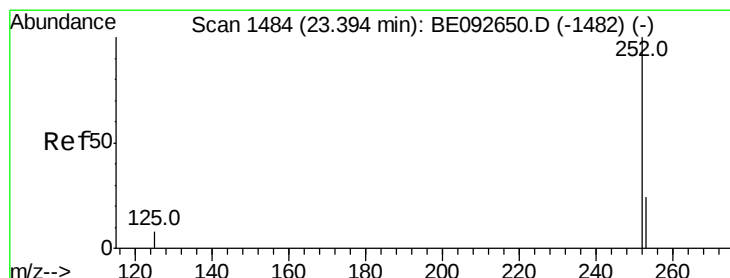
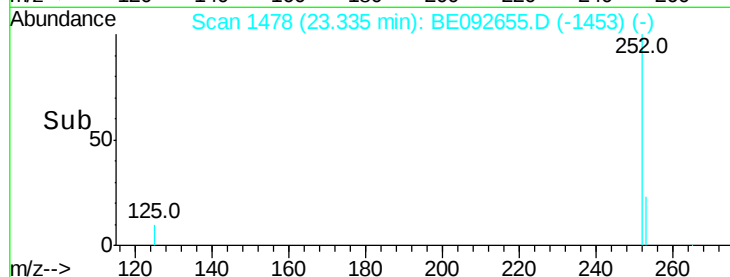
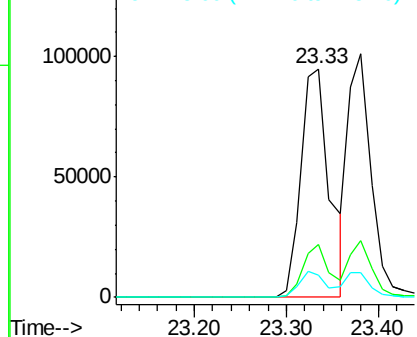
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#33

Benzo(k)fluoranthene

Concen: 9.36 ng

RT: 23.38 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BE092655.D

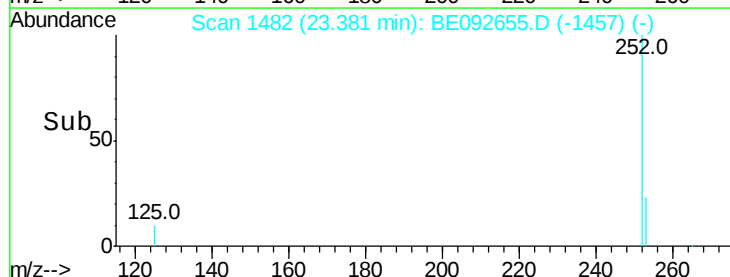
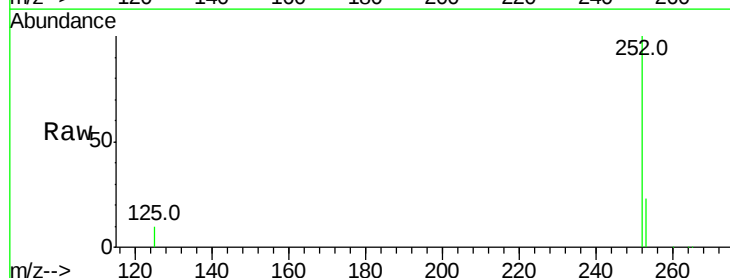
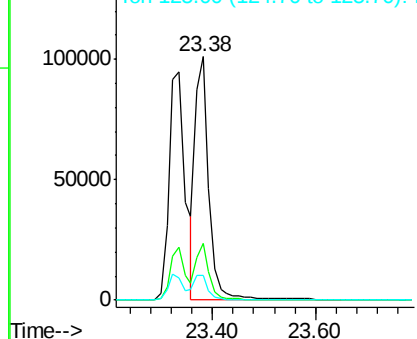
Acq: 16 Jan 2017 17:06

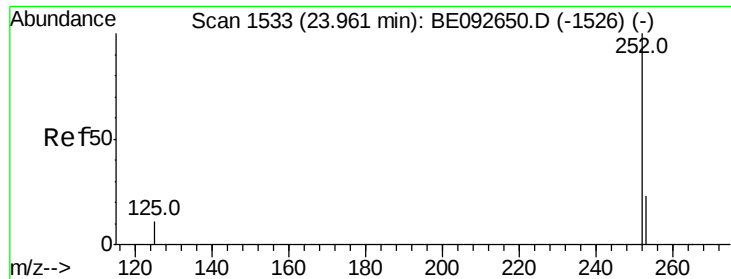
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	9.9	9.6	14.4

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





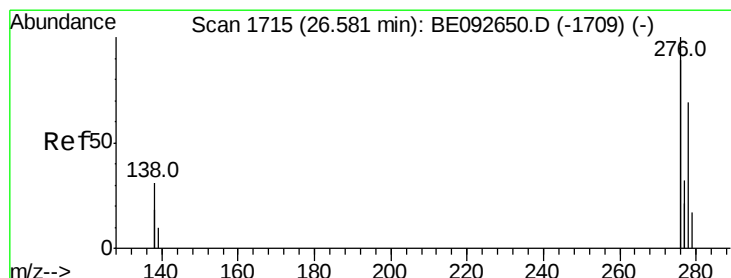
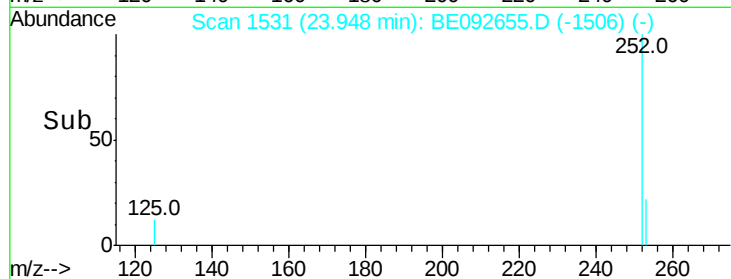
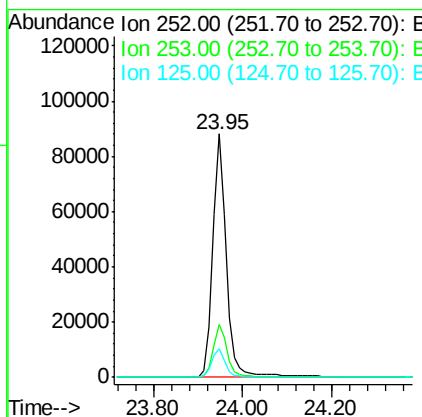
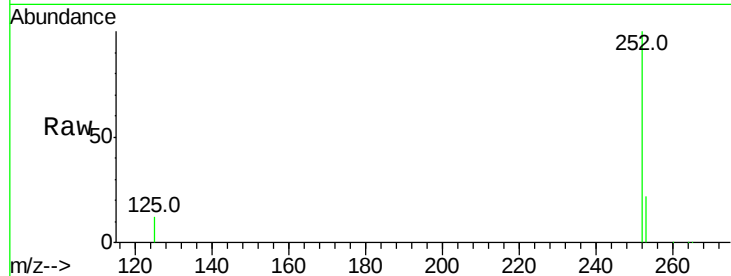
#34
Benzo(a)pyrene
Concen: 11.08 ng
RT: 23.95 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.0	28.6
125	11.6	11.8	17.8

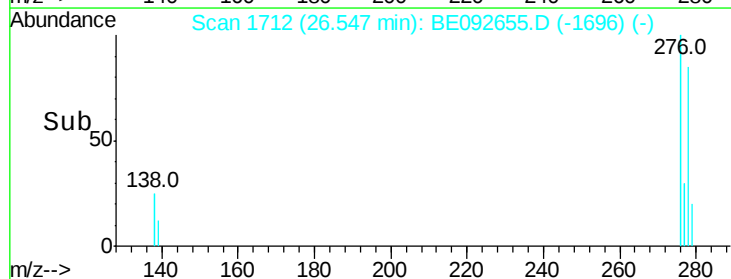
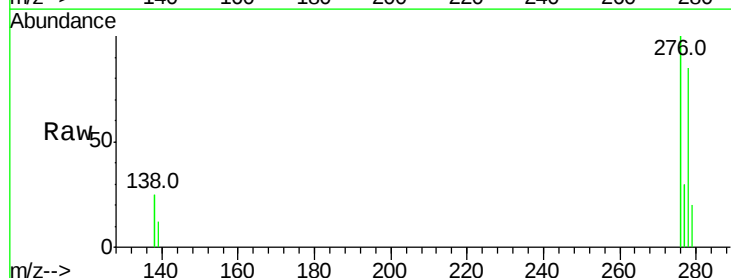
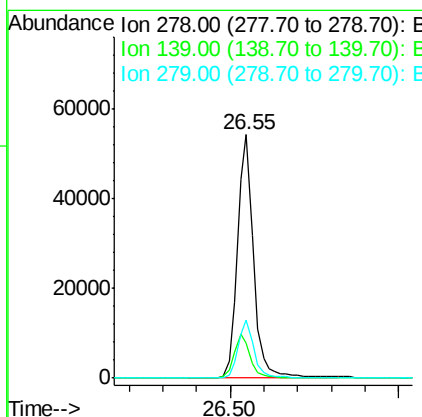
Manual Integrations
APPROVED

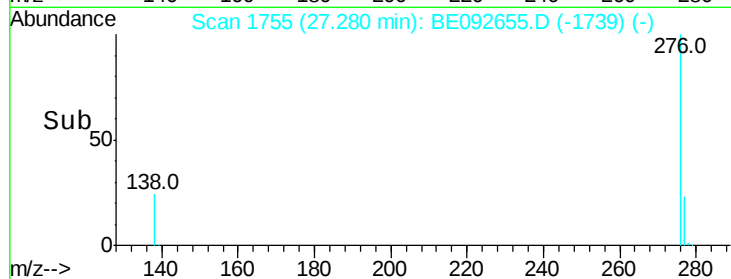
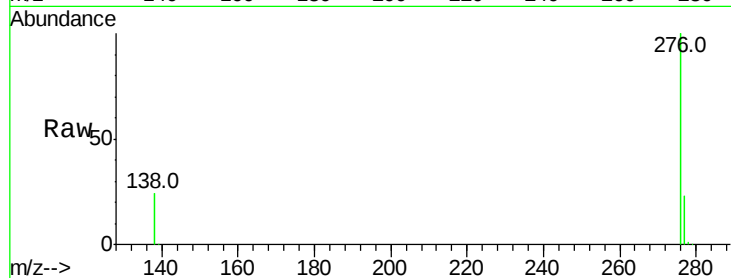
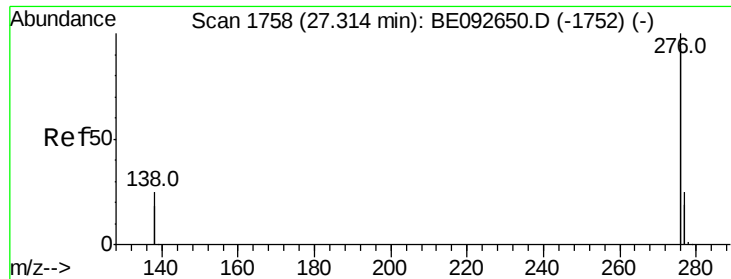
mohammad
1/17/2017 4:40:23 PM



#35
Dibenzo(a,h)anthracene
Concen: 11.20 ng
RT: 26.55 min Scan# 1712
Delta R.T. -0.03 min
Lab File: BE092655.D
Acq: 16 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.8	20.8
279	23.6	21.4	32.2





#36

Benzo(a,h,i)perylene

Concen: 10.64 ng

RT: 27.28 min Scan# 1755

Delta R.T. -0.03 min

Lab File: BE092655.D

Acq: 16 Jan 2017 17:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

Tot Ion:	276	Resp:	729275
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.8	29.8
138	24.4	19.8	29.6

Manual Integrations
APPROVED

mohammad
1/17/2017 4:40:23 PM

