

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092111.D
 Acq On : 2 Aug 2016 14:41
 Operator : UM/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Manual Integrations
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Sohil
 8/3/2016 8:39:05 AM

Quant Time: Aug 02 15:47:27 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 13:43:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	12006	5.00	ng	0.01
6) Naphthalene-d8	10.99	136	56943	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	32281	5.00	ng	0.00
16) Phenanthrene-d10	17.58	188	66637	5.00	ng	0.00
22) Chrysene-d12	21.75	240	84891	5.00	ng	0.00
28) Perylene-d12	24.14	264	84733	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.70	112	9010	2.30	ng	0.00
5) Phenol-d6	7.34	99	12567	2.67	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12651	2.59	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	3520m	1.50	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29914	2.39	ng	0.00
24) Terphenyl-d14	20.19	244	37622	2.92	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.44	88	4418	2.55	ng	92
3) n-Nitrosodimethylamine	3.78	42	6617	3.00	ng	# 97
8) Naphthalene	11.03	128	36625	2.79	ng	# 95
9) 2-Methylnaphthalene	12.65	142	24262	2.76	ng	98
13) Acenaphthylene	14.54	152	170345	2.38	ng	98
14) Acenaphthene	14.90	154	25524	2.58	ng	# 92
15) Fluorene	15.88	166	32794	2.21	ng	99
17) Hexachlorobenzene	16.89	284	9576	4.30	ng	# 61
18) Pentachlorophenol	17.24	266	3877	9.49	ng	# 82
19) Phenanthrene	17.60	178	56195	3.14	ng	98
20) Anthracene	17.70	178	57158	4.30	ng	99
21) Fluoranthene	19.63	202	245537	4.70	ng	96
23) Pvrene	19.99	202	265273	2.75	ng	99
25) Benzo(a)anthracene	21.72	228	273015	11.90	ng	# 93
26) Chrysene	21.77	228	269848	13.36	ng	# 84
27) Indeno(1,2,3-cd)pyrene	26.63	276	298225	3.31	ng	100
29) Benzo(b)fluoranthene	23.40	252	64618	2.75	ng	98
30) Benzo(k)fluoranthene	23.45	252	68288	2.84	ng	95
31) Benzo(a)pvrene	24.02	252	64488	2.95	ng	94
32) Dibenzo(a,h)anthracene	26.67	278	61075	3.01	ng	# 93
33) Benzo(g,h,i)perylene	27.42	276	254192	2.98	ng	94

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

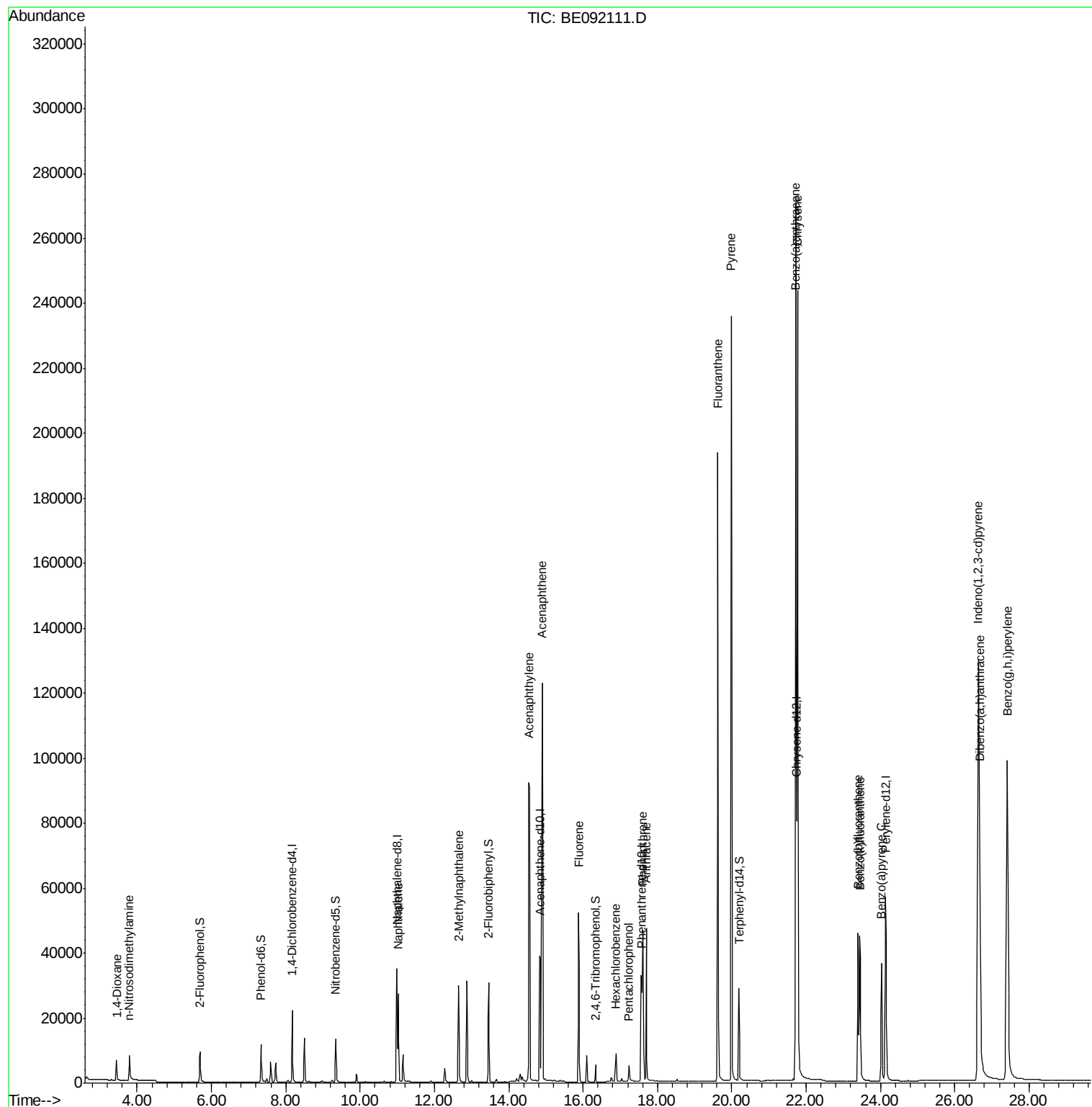
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

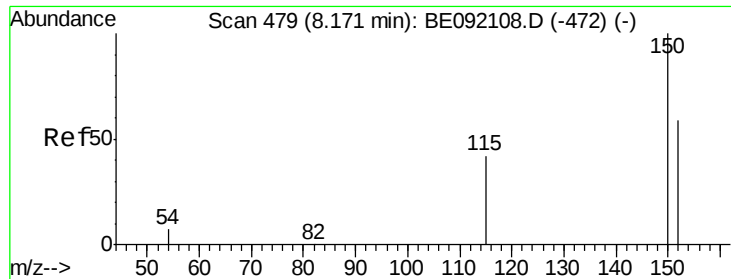
Instrument :
BNA_E
ClientSampleId :
SSTDIC3.2

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Quant Time: Aug 02 15:47:27 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

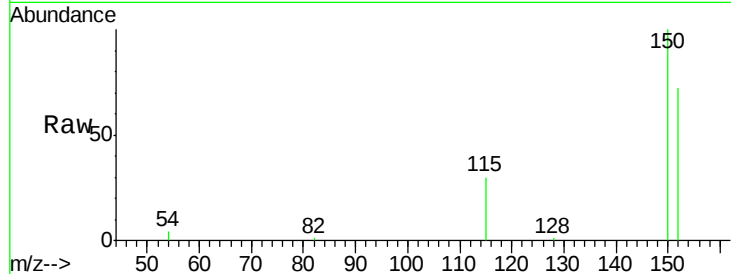
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 480
Delta R.T. 0.01 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampled :
SSTDICC3.2

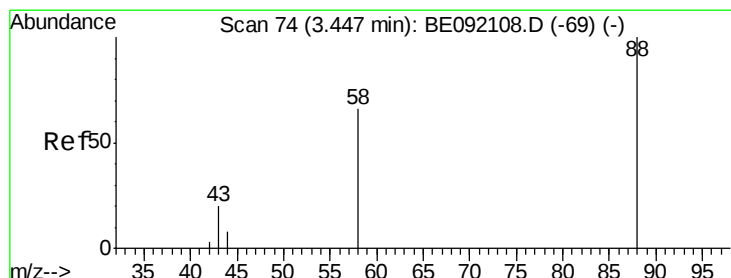
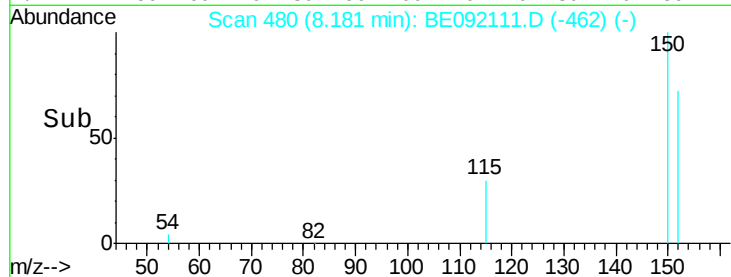
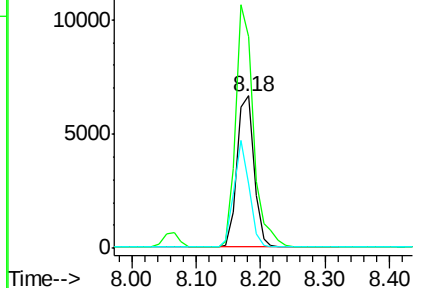
Tot Ion	Ratio	Lower	Upper
152	100		
150	139.2	106.0	159.0
115	42.0	36.9	55.3

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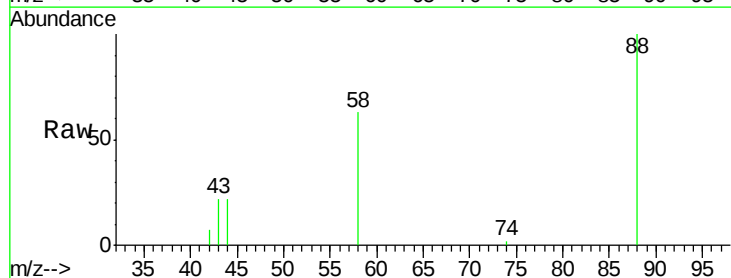
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



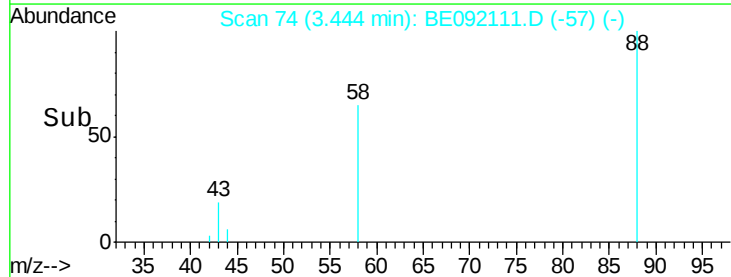
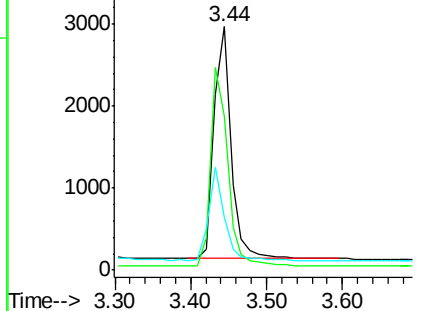
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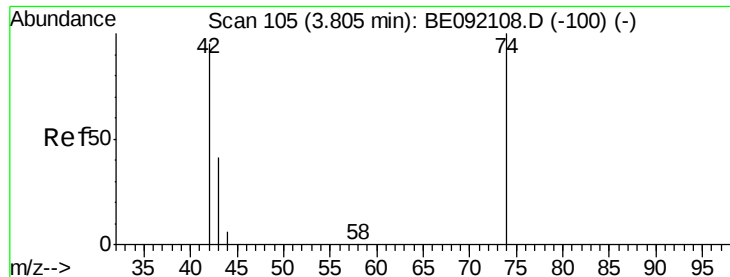
1,4-Dioxane
Concen: 2.55 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.2	62.1	93.1
43	36.8	27.2	40.8



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

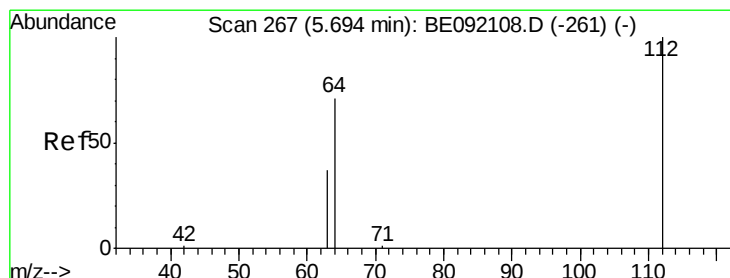
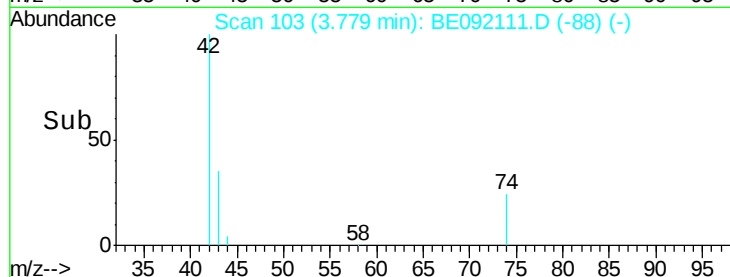
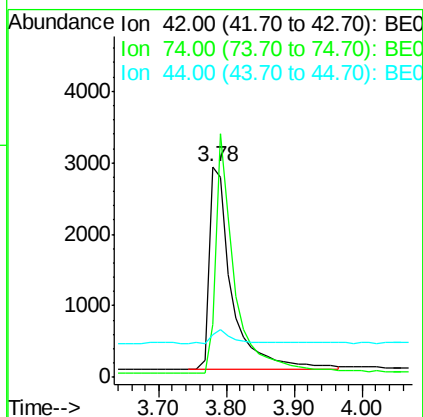
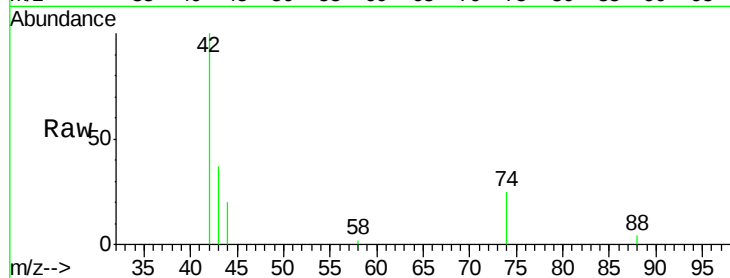
n-Nitrosodimethylamine
Concen: 3.00 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.03 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
42	100		
74	101.7	82.8	124.2
44	6.4	9.0	13.4

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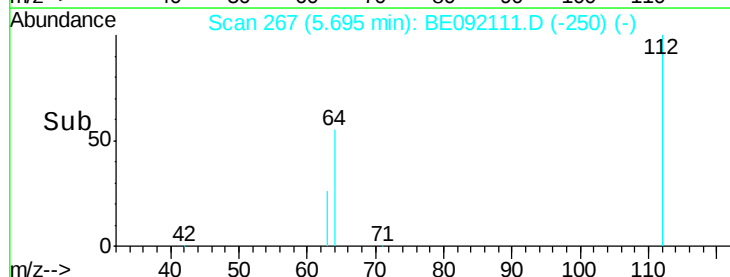
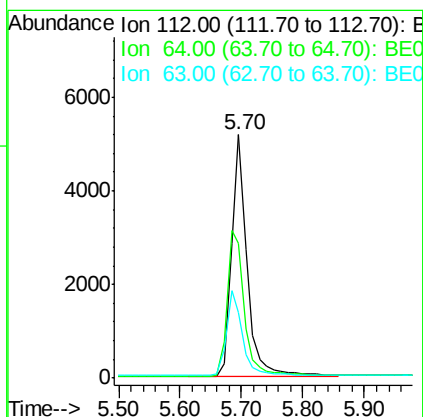
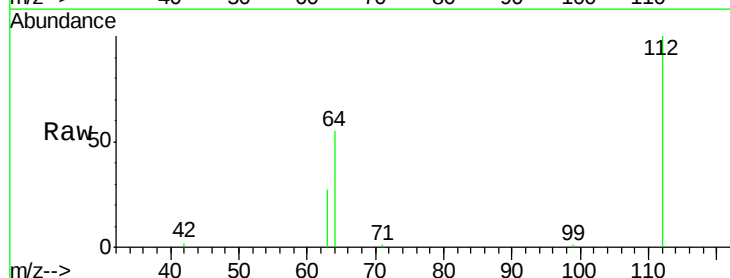
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#4

2-Fluorophenol
Concen: 2.30 ng
RT: 5.70 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	55.9	83.9
63	36.3	31.1	46.7





#5

Phenol-d6

Concen: 2.67 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

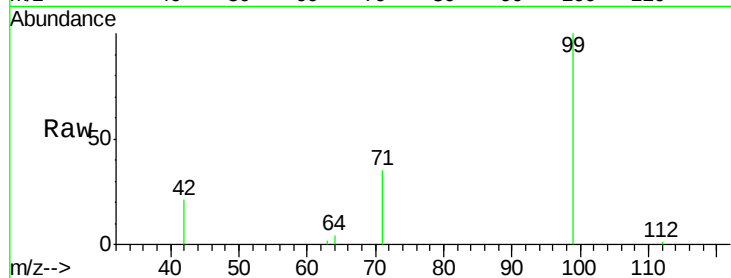
ClientSampleId :

SSTDICC3.2

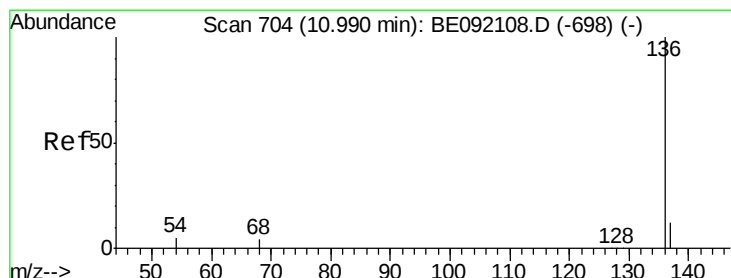
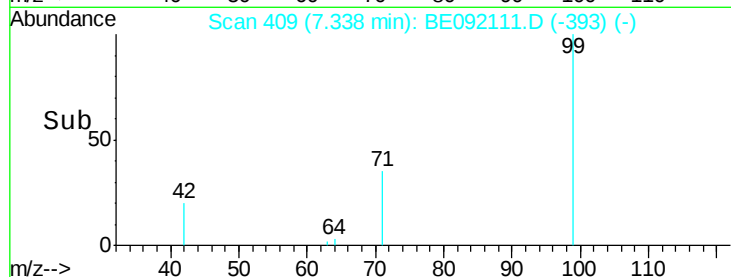
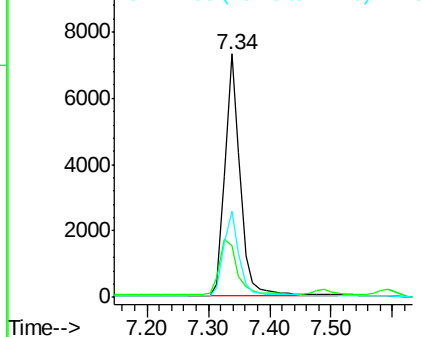
Tot Ion:	99	Resp:	12567
Ion Ratio	Lower	Upper	
99	100		
42	25.9	22.4	33.6
71	35.3	28.9	43.3

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 704

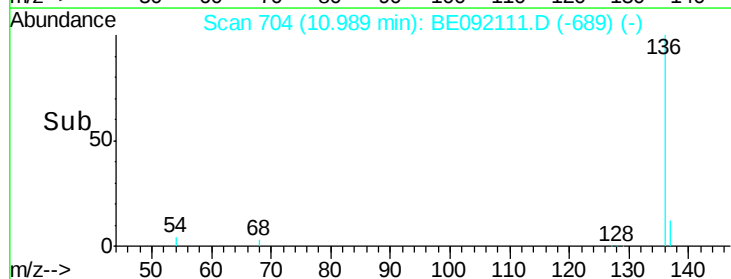
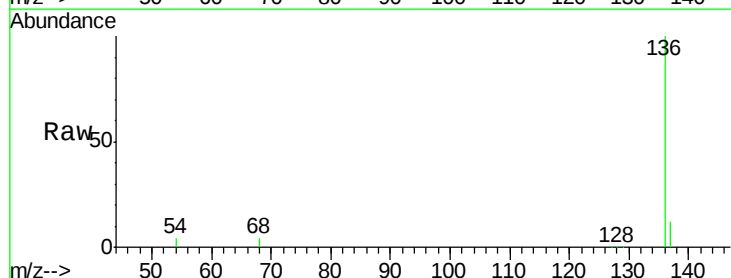
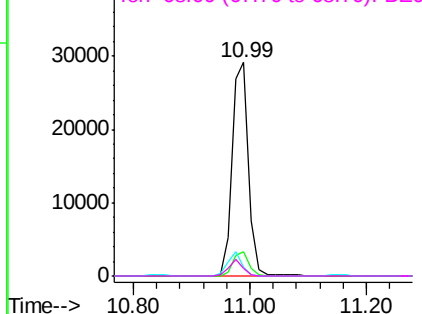
Delta R.T. -0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	136	Resp:	56943
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.1	13.7
54	4.5	2.7	4.1#
68	3.7	2.2	3.4#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 2.59 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

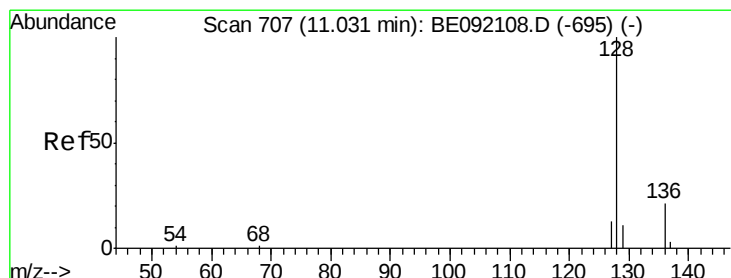
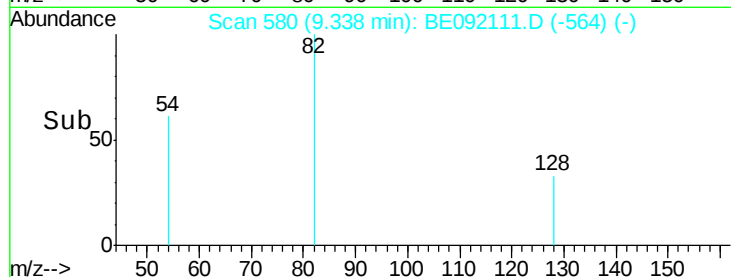
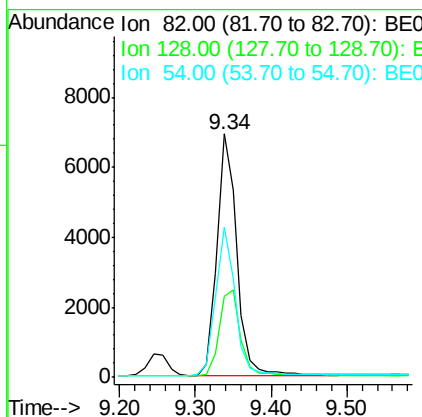
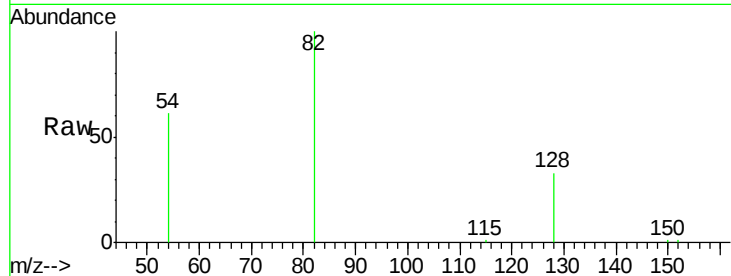
ClientSampleId :

SSTDICC3.2

Tot Ion:	82	Resp:	12651
Ion Ratio	Lower	Upper	
82	100		
128	33.1	33.0	49.4
54	61.4	42.6	63.8

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#8

Naphthalene

Concen: 2.79 ng

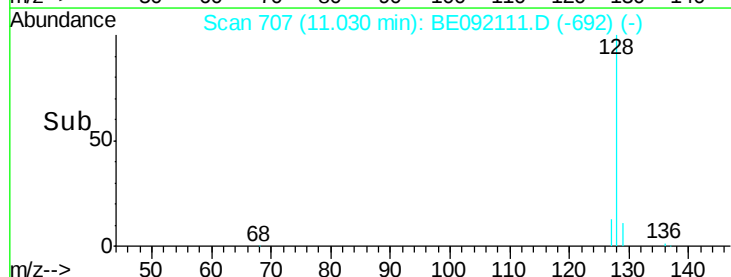
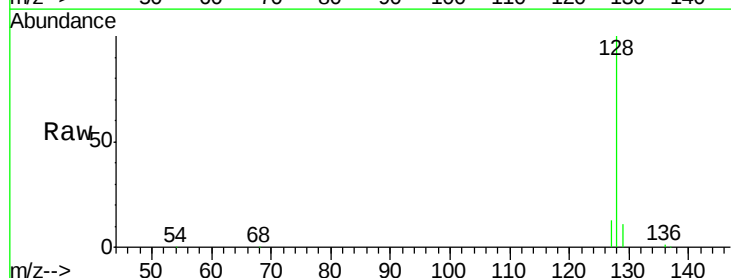
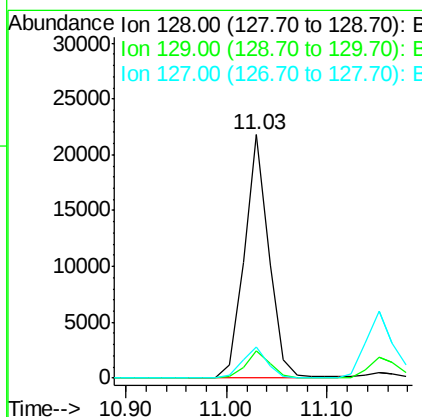
RT: 11.03 min Scan# 707

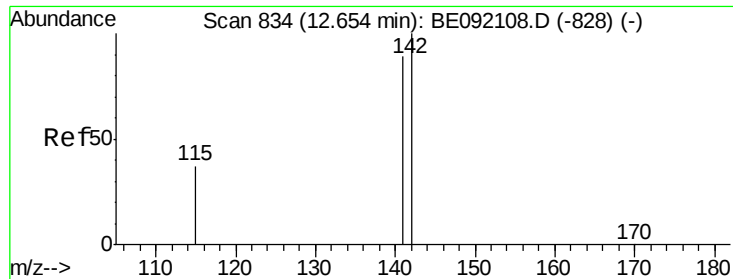
Delta R.T. -0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	128	Resp:	36625
Ion Ratio	Lower	Upper	
128	100		
129	11.1	11.1	16.7#
127	12.9	11.3	16.9





#9

2-Methylnaphthalene

Concen: 2.76 ng

RT: 12.65 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

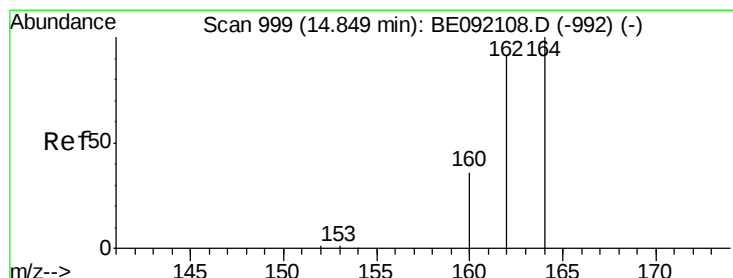
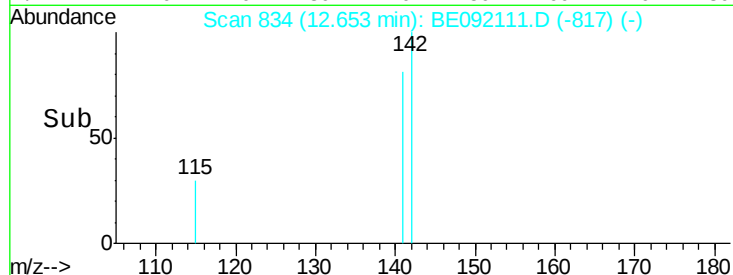
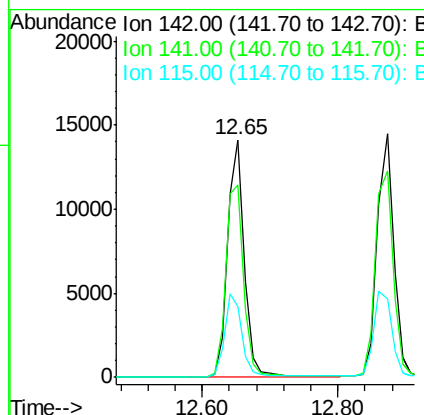
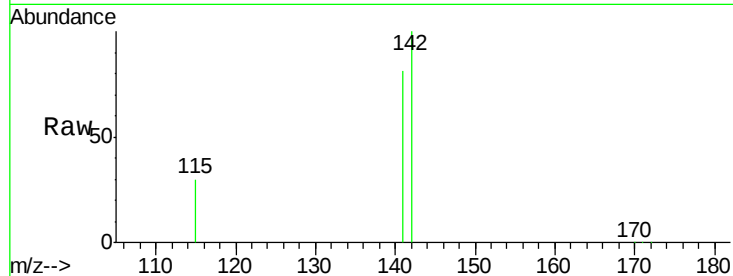
ClientSampled :

SSTDICC3.2

Tot Ion:	142	Resp:	24262
Ion Ratio	Lower	Upper	
142	100		
141	81.4	65.1	97.7
115	30.1	27.0	40.4

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#10

Acenaphthene-d10

Concen: 5.00 ng

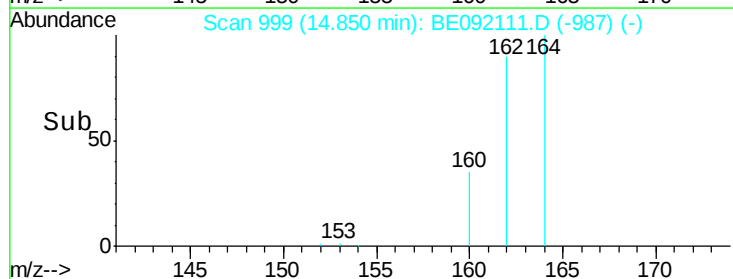
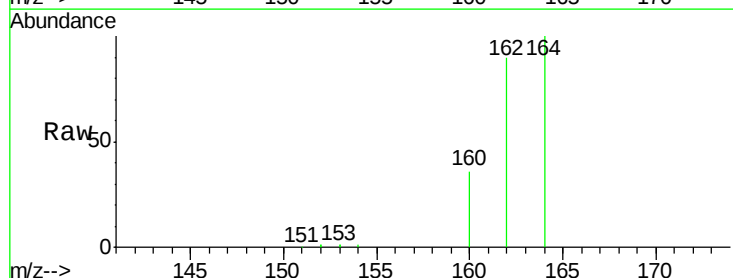
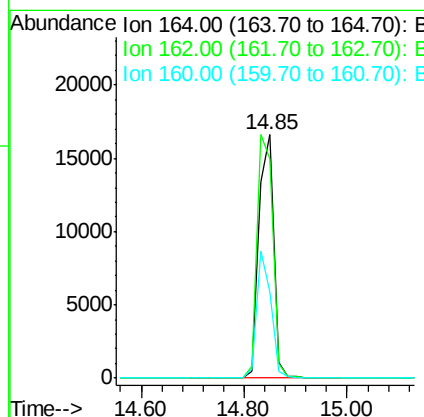
RT: 14.85 min Scan# 999

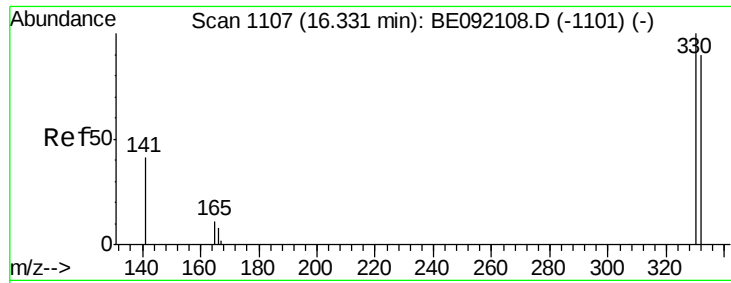
Delta R.T. 0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	164	Resp:	32281
Ion Ratio	Lower	Upper	
164	100		
162	89.9	69.5	104.3
160	35.6	27.6	41.4





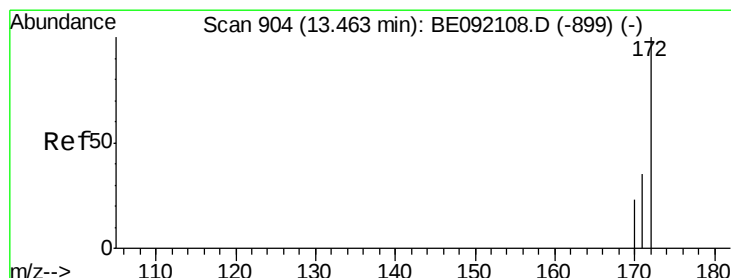
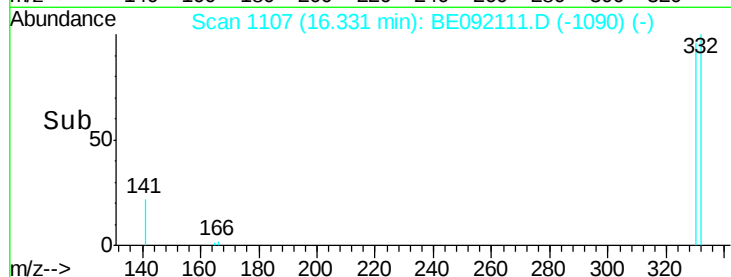
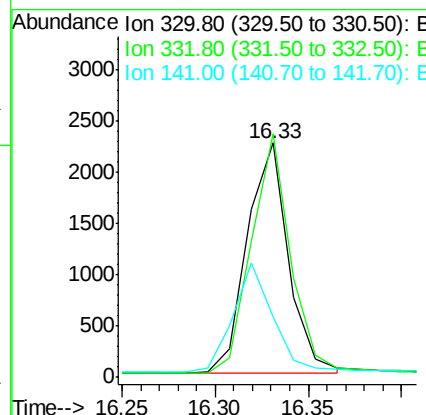
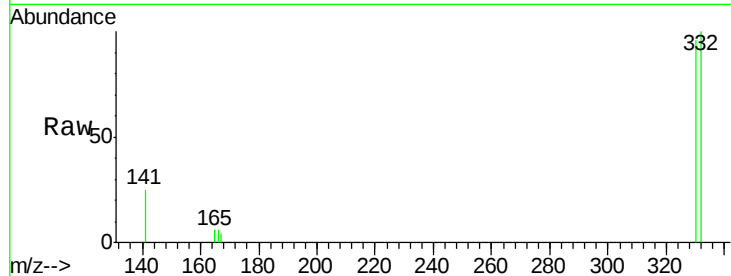
#11
 2,4,6-Tribromophenol
 Concen: 1.50 ng/ml
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092111.D
 Acq: 2 Aug 2016 14:41

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	74.2	111.4
141	44.8	139.8	209.8

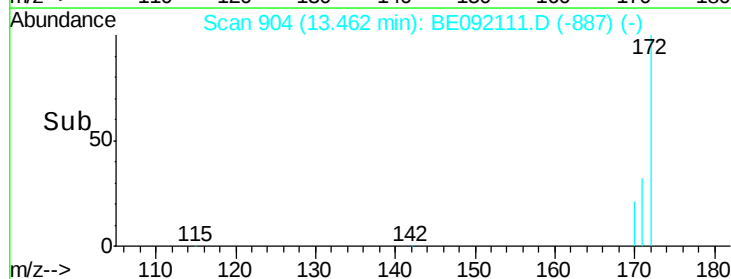
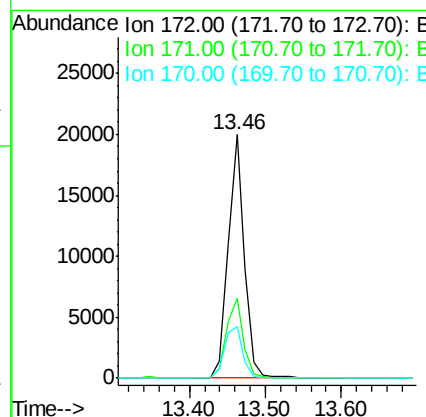
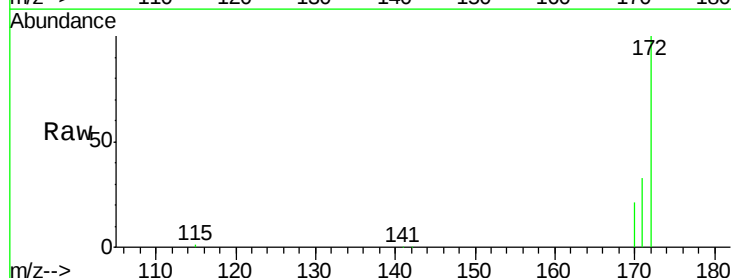
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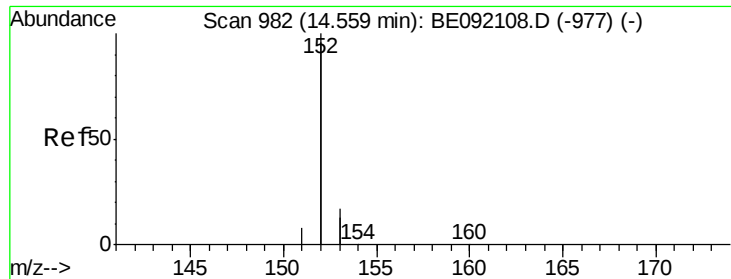
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#12
 2-Fluorobiphenyl
 Concen: 2.39 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092111.D
 Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	30.3	45.5
170	21.1	21.6	32.4





#13

Acenaphthylene

Concen: 2.38 ng

RT: 14.54 min Scan# 981

Delta R.T. -0.02 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

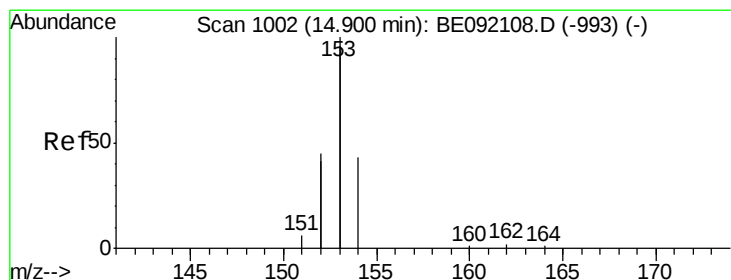
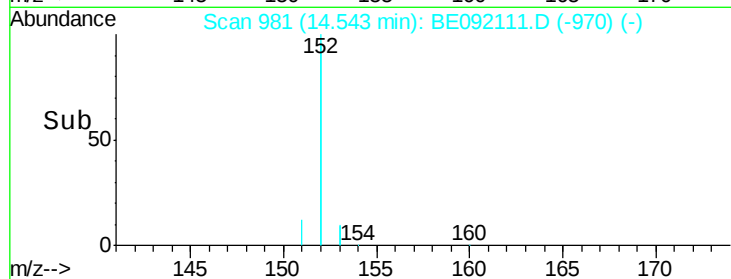
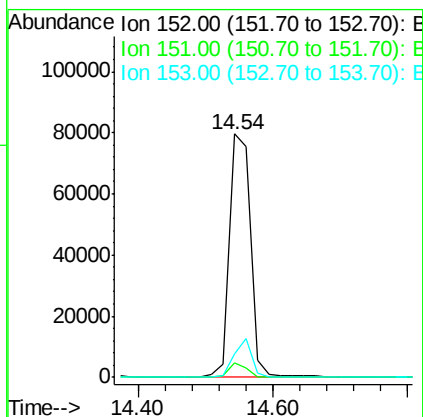
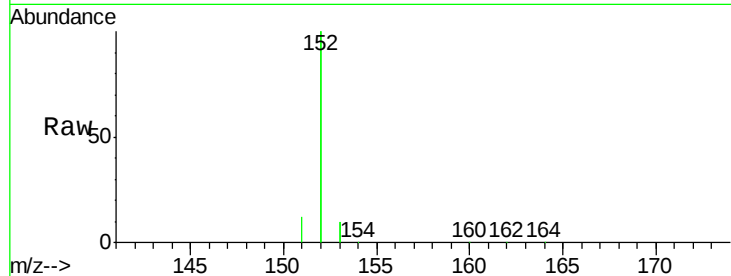
ClientSampled :

SSTDICC3.2

Tot Ion:	152	Resp:	170345
Ion Ratio	Lower	Upper	
152	100		
151	5.0	4.0	6.0
153	13.0	9.6	14.4

Manual Integrations
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#14

Acenaphthene

Concen: 2.58 ng

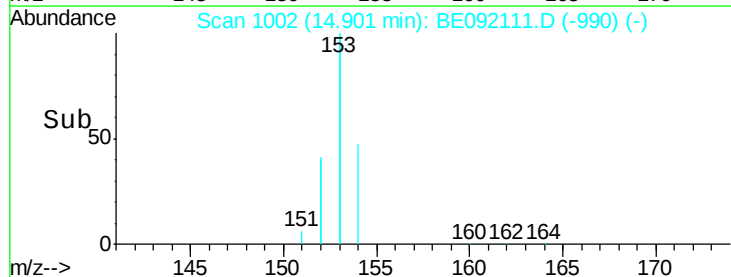
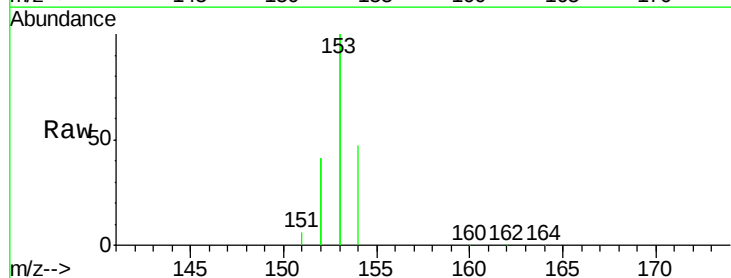
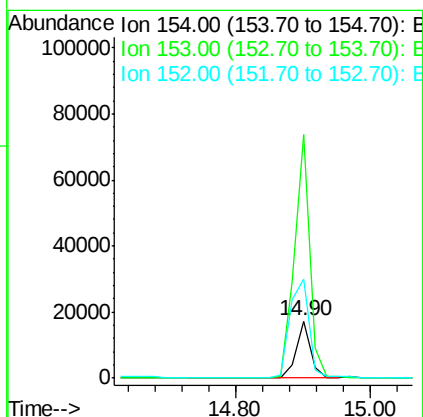
RT: 14.90 min Scan# 1002

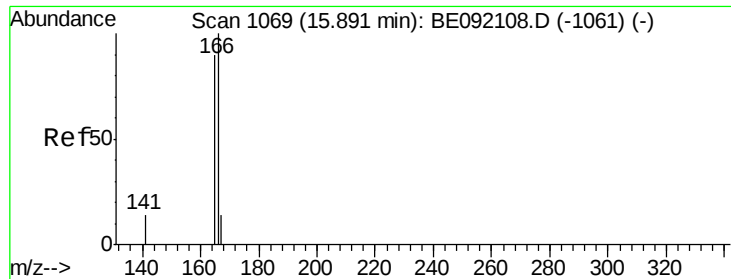
Delta R.T. 0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	154	Resp:	25524
Ion Ratio	Lower	Upper	
154	100		
153	452.0	345.1	517.7
152	225.3	0.0	0.0#





#15

Fluorene

Concen: 2.21 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

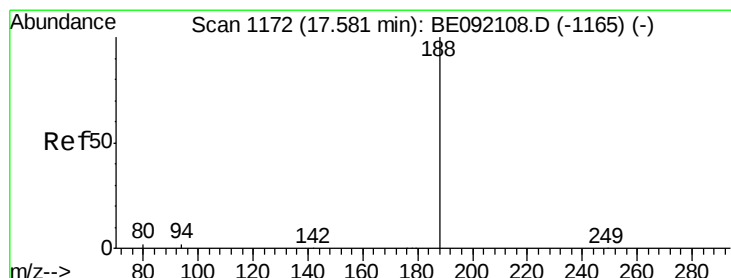
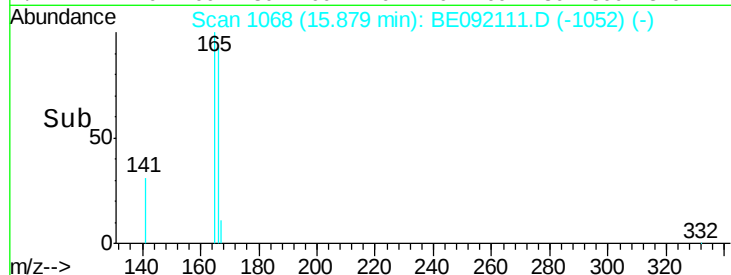
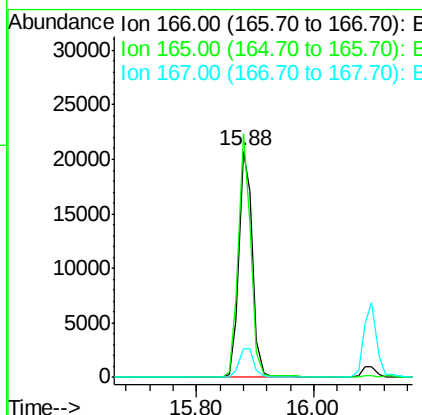
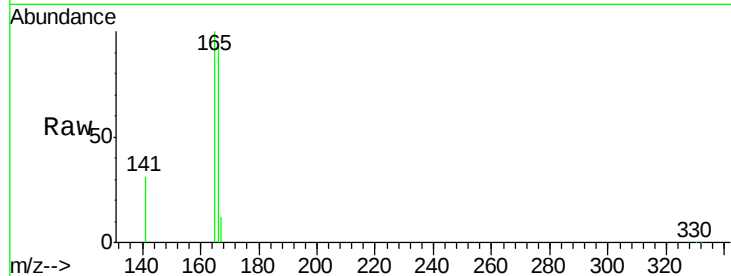
ClientSampleId :

SSTDICC3.2

Tot Ion:	166	Resp:	32794
Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.6	118.0
167	13.5	11.1	16.7

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#16

Phenanthrene-d10

Concen: 5.00 ng

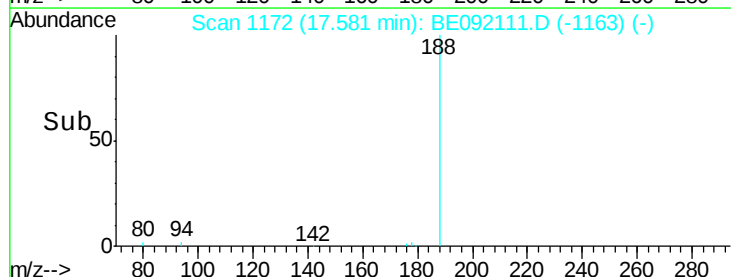
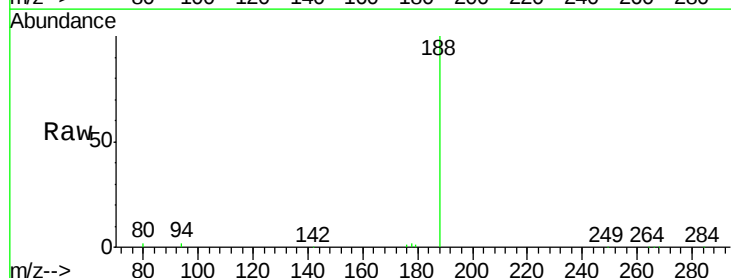
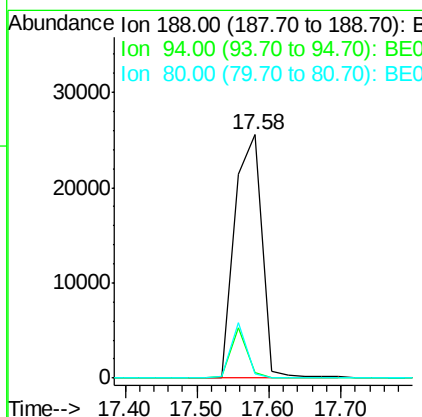
RT: 17.58 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	188	Resp:	66637
Ion	Ratio	Lower	Upper
188	100		
94	2.3	3.9	5.9#
80	1.8	3.4	5.0#





#17

Hexachlorobenzene

Concen: 4.30 ng

RT: 16.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

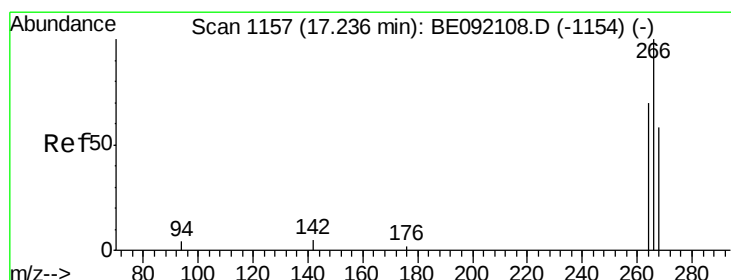
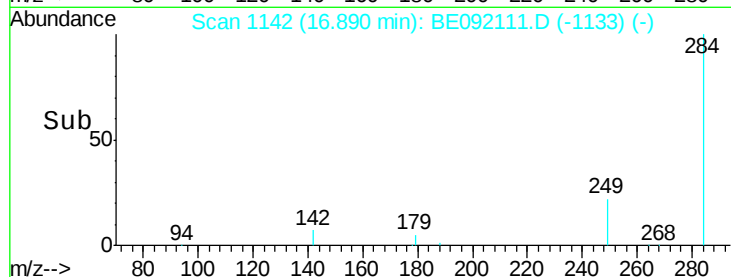
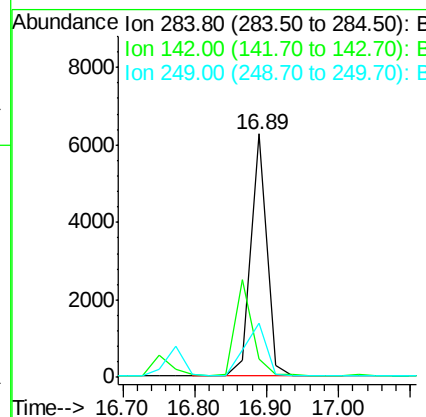
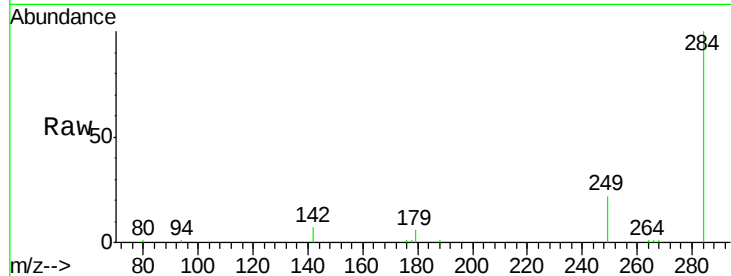
ClientSampled :

SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	33.3	49.9#
249	29.3	25.4	38.0

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#18

Pentachlorophenol

Concen: 9.49 ng

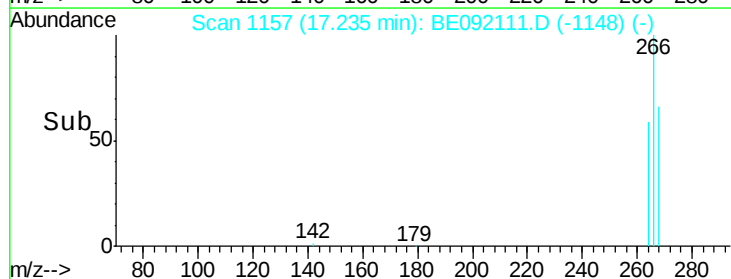
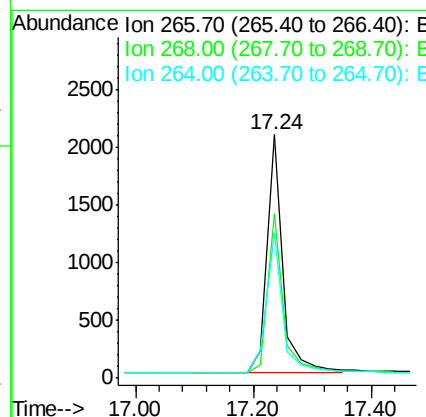
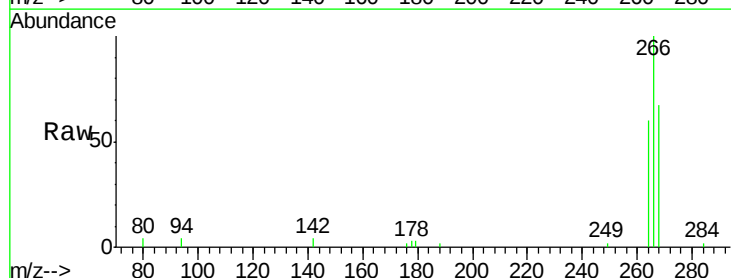
RT: 17.24 min Scan# 1157

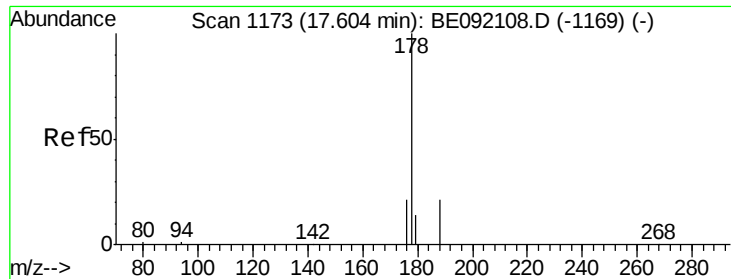
Delta R.T. -0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.3	62.7	94.1
264	59.8	63.5	95.3#





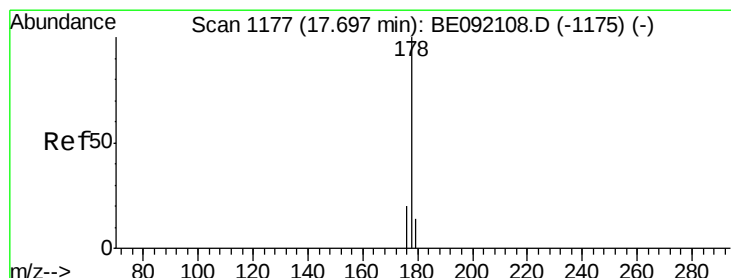
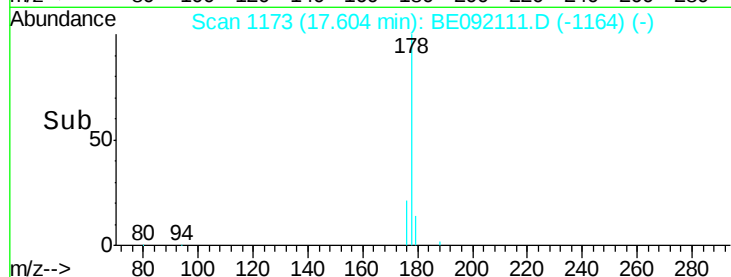
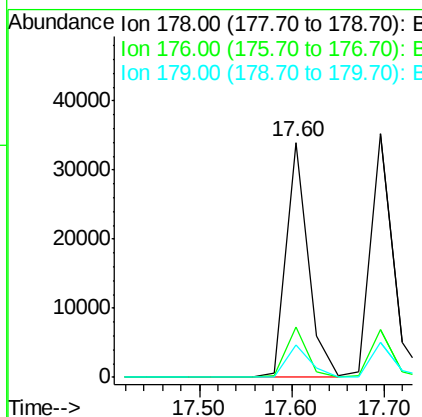
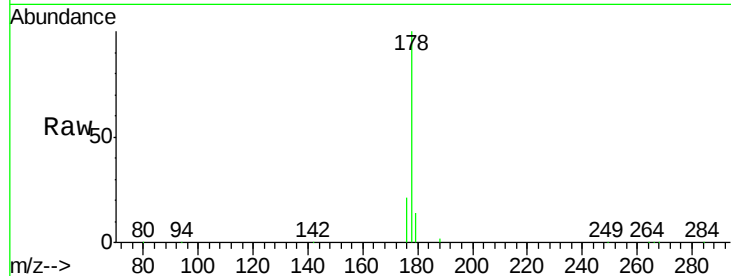
#19
Phenanthrene
Concen: 3.14 ng
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.0
179	15.0	12.7	19.1

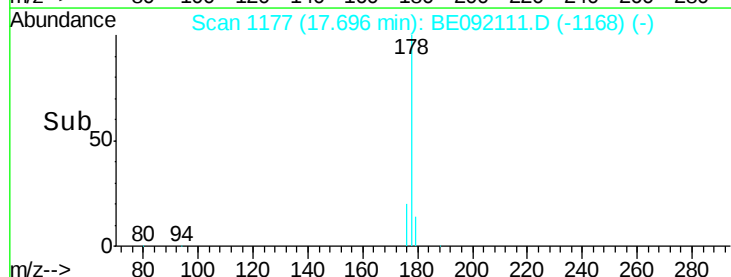
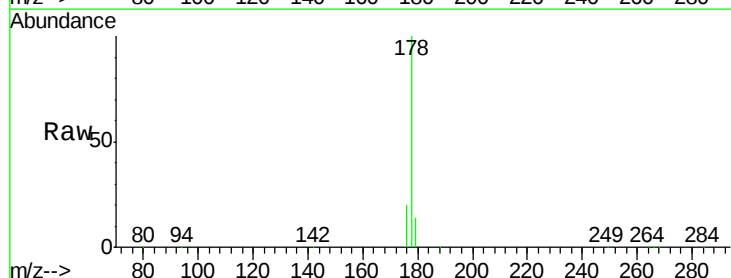
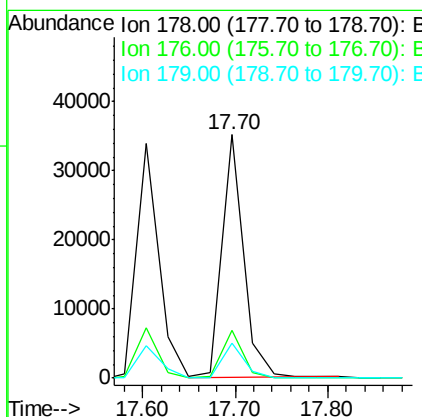
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#20
Anthracene
Concen: 4.30 ng
RT: 17.70 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	14.8	12.2	18.4





#21

Fluoranthene

Concen: 4.70 ng

RT: 19.63 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

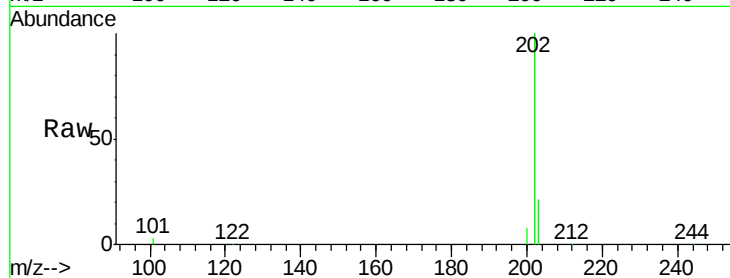
ClientSampled :

SSTDICC3.2

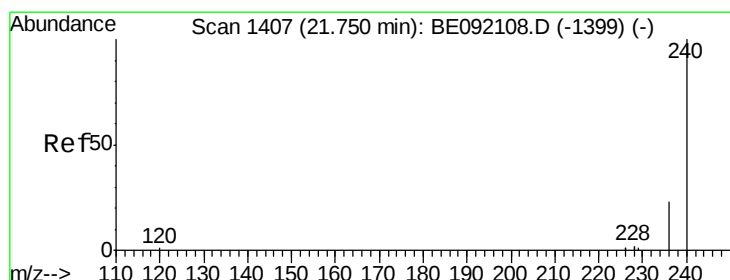
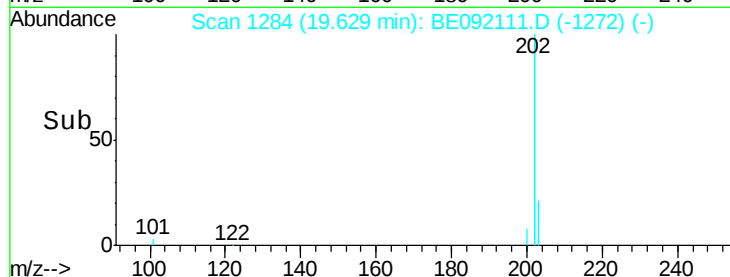
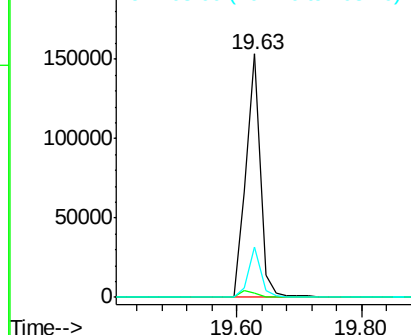
Tot Ion:	202	Resp:	245537
Ion Ratio	Lower	Upper	
202	100		
101	2.8	2.2	3.2
203	18.0	13.0	19.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

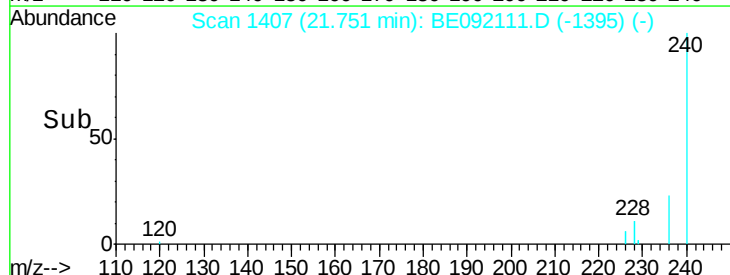
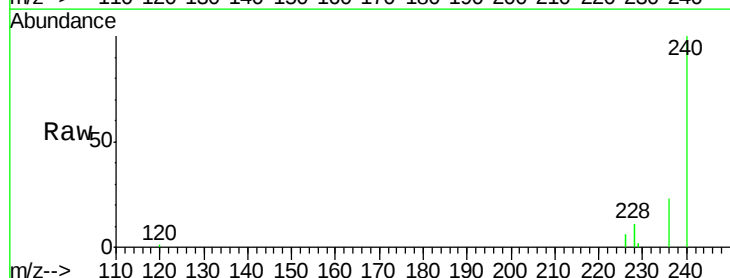
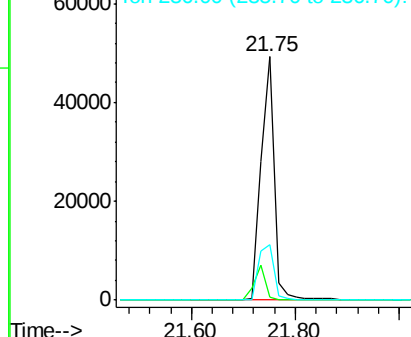
Delta R.T. 0.00 min

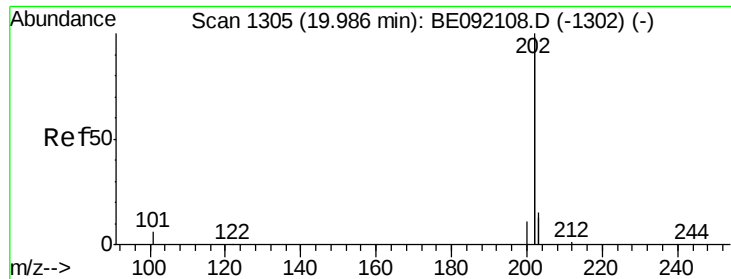
Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	240	Resp:	84891
Ion Ratio	Lower	Upper	
240	100		
120	1.3	0.6	1.0#
236	22.6	18.2	27.4

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





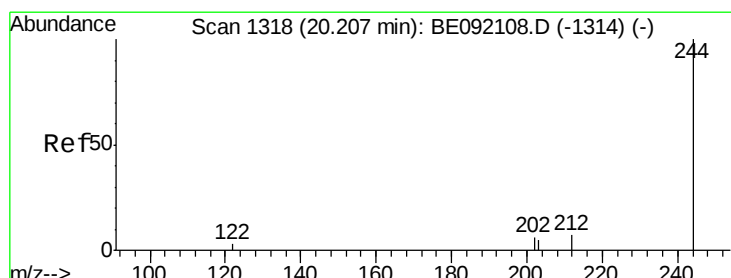
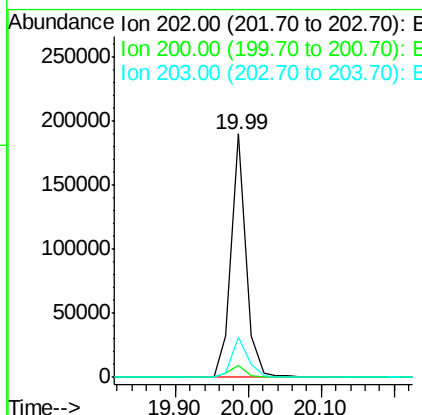
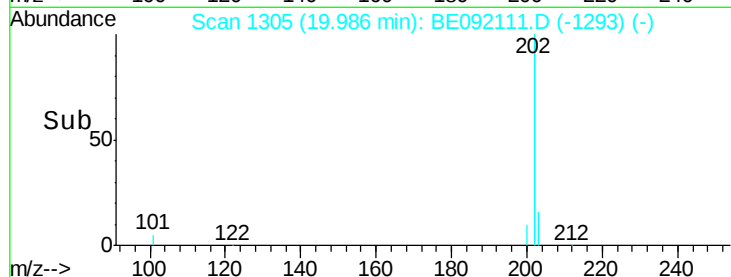
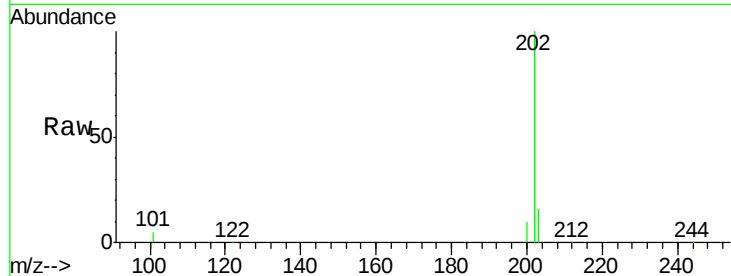
#23
Pvrene
Concen: 2.75 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	5.3	4.4	6.6
203	17.5	13.4	20.0

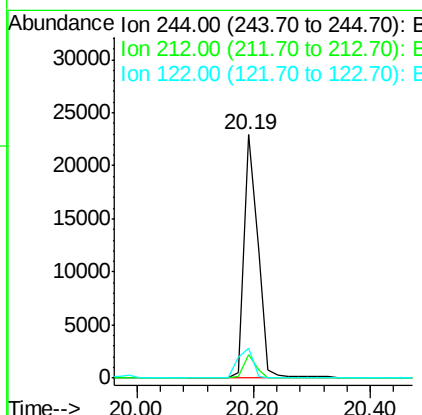
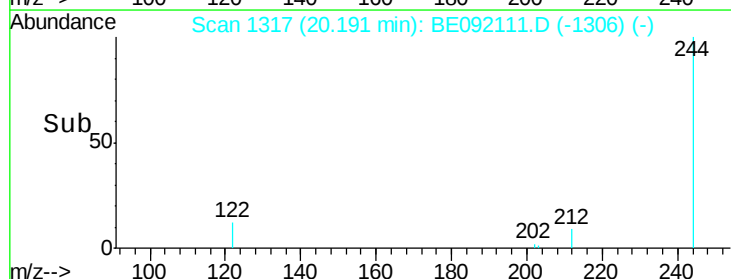
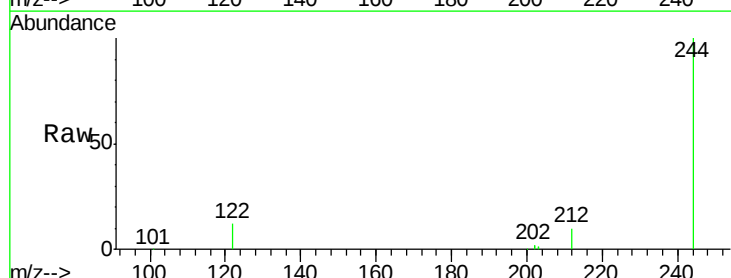
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#24
Terphenyl-d14
Concen: 2.92 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.6	9.1	13.7
122	12.3	11.0	16.4





#25

Benzo(a)anthracene

Concen: 11.90 ng

RT: 21.72 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Instrument :

BNA_E

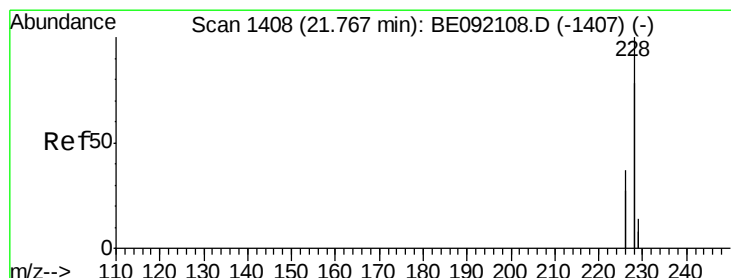
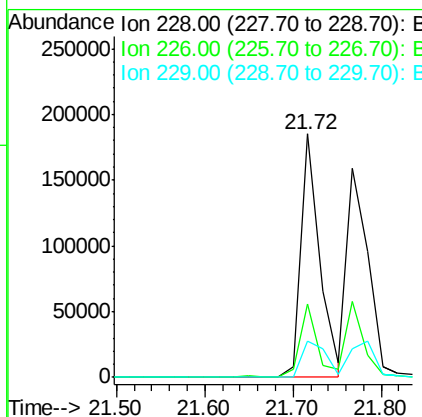
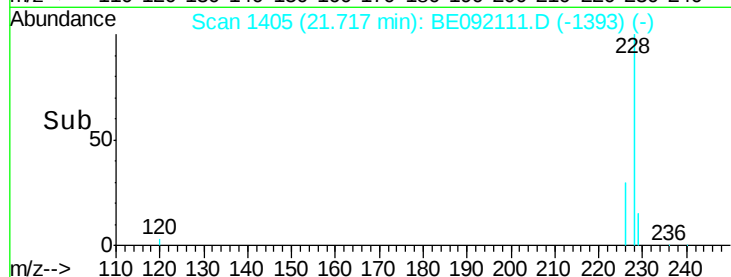
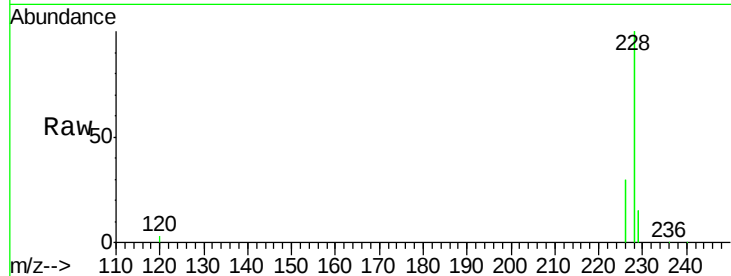
ClientSampleId :

SSTDICC3.2

Tot Ion:	228	Resp:	273015
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.1	33.1
229	14.7	15.1	22.7#

Manual Integrations
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#26

Chrysene

Concen: 13.36 ng

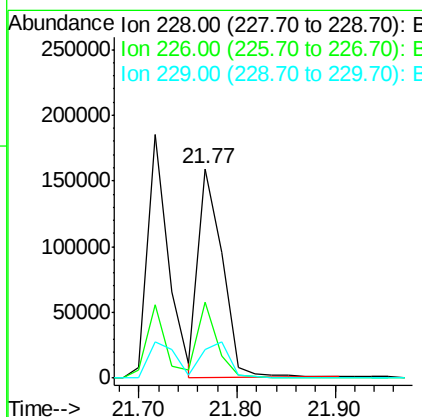
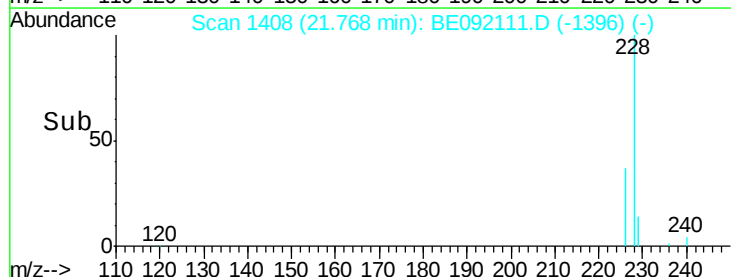
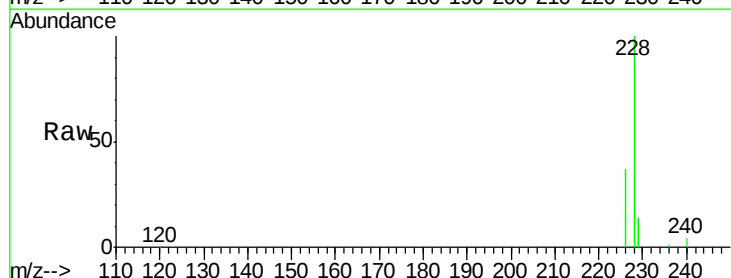
RT: 21.77 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BE092111.D

Acq: 2 Aug 2016 14:41

Tgt Ion:	228	Resp:	269848
Ion Ratio	Lower	Upper	
228	100		
226	36.6	22.3	33.5#
229	13.9	16.9	25.3#





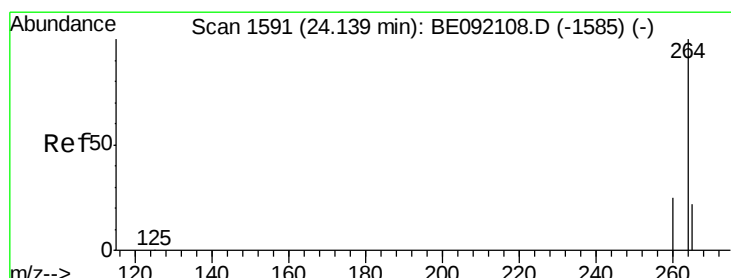
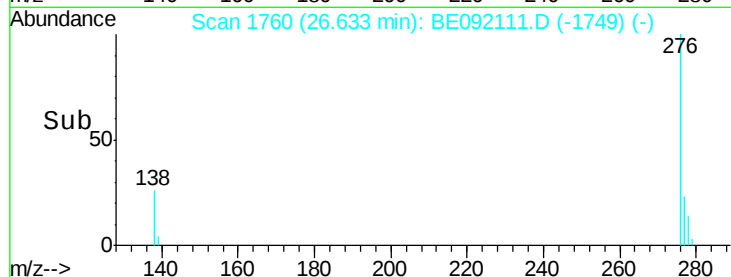
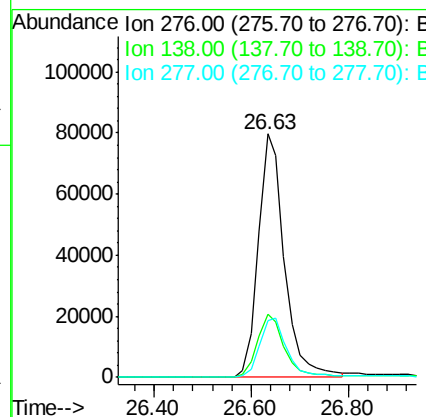
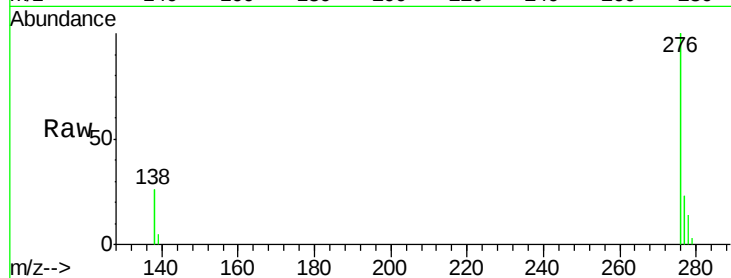
#27
Indeno(1,2,3-cd)pyrene
Concen: 3.31 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampled :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	21.2	31.8
277	24.8	19.8	29.8

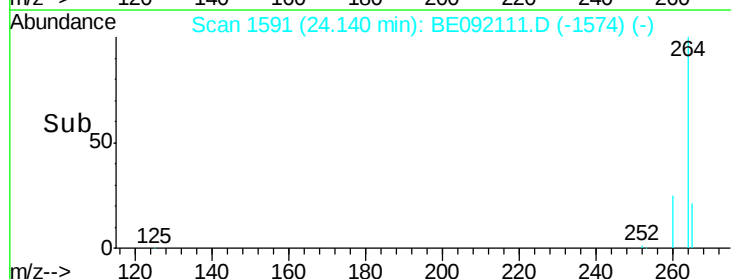
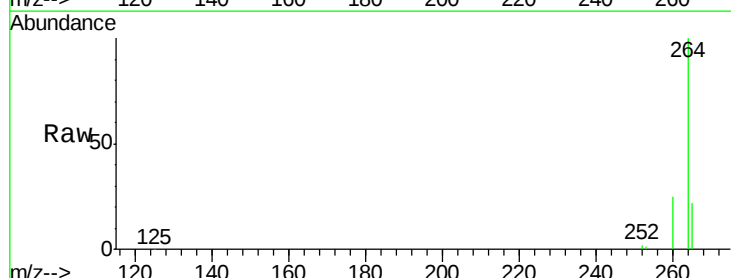
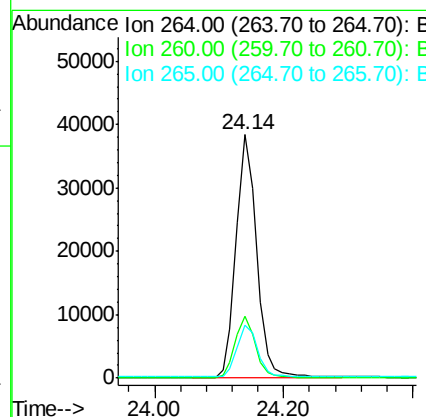
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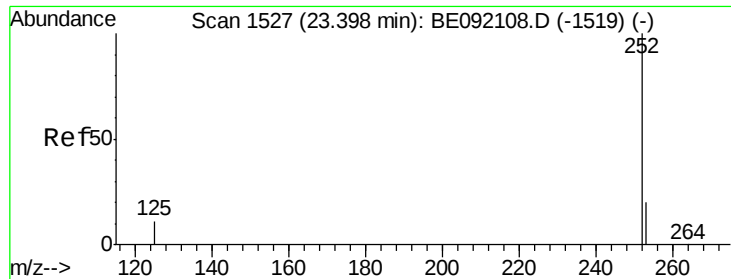
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#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.8	31.2
265	21.7	16.6	25.0





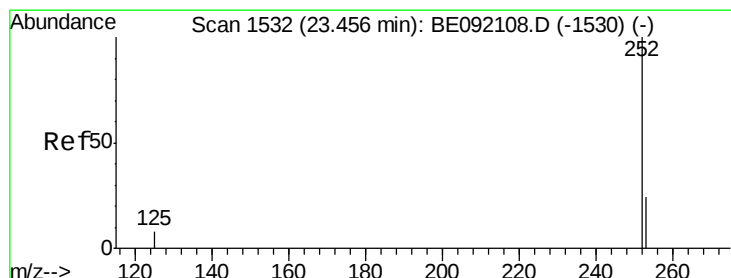
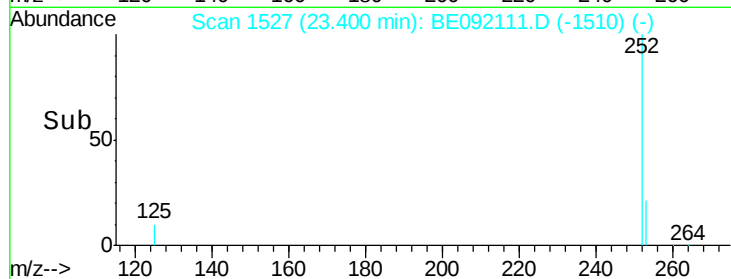
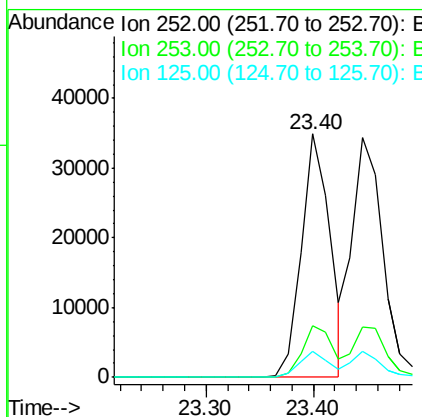
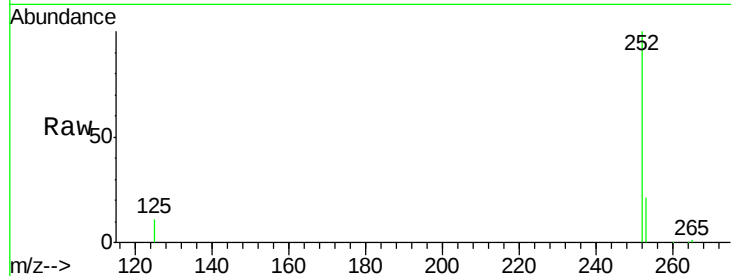
#29
Benzo(b)fluoranthene
Concen: 2.75 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	10.6	10.2	15.2

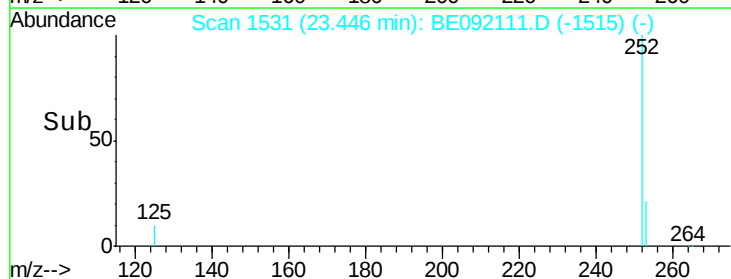
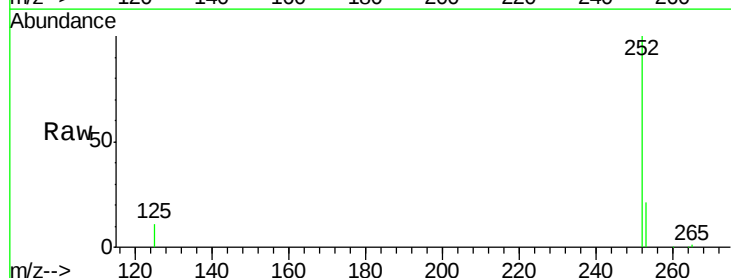
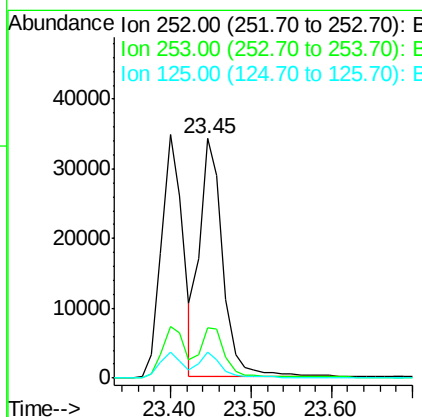
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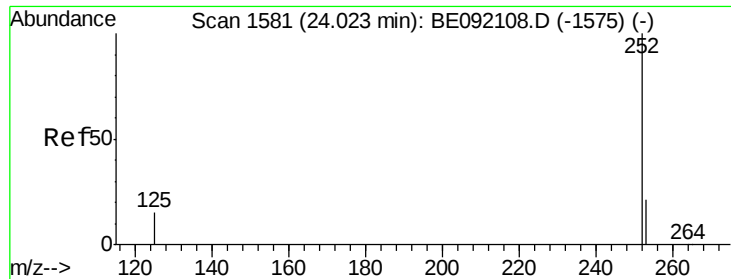
Sohil
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#30
Benzo(k)fluoranthene
Concen: 2.84 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	19.4	29.0
125	10.6	8.9	13.3





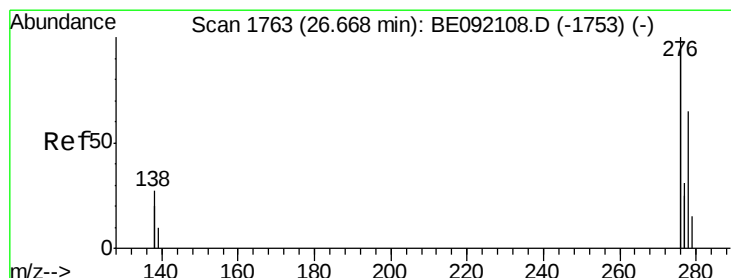
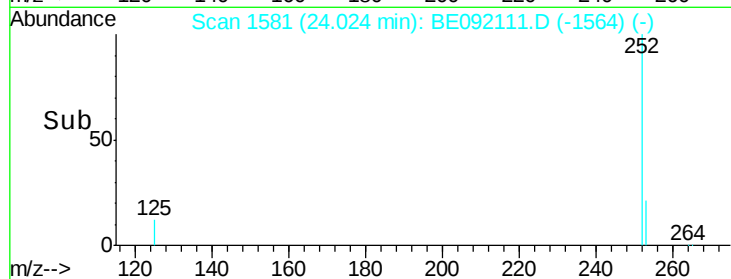
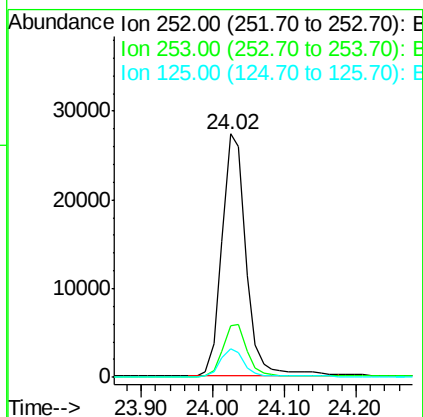
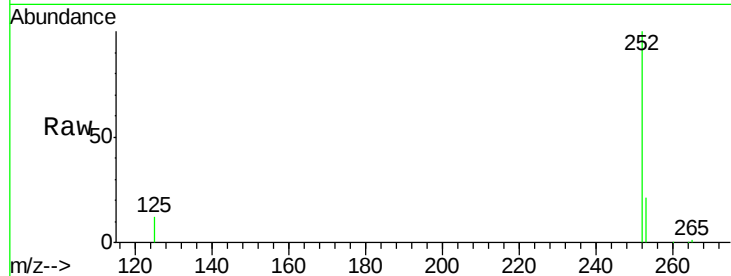
#31
Benzo(a)pyrene
Concen: 2.95 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.8	29.8
125	11.9	10.4	15.6

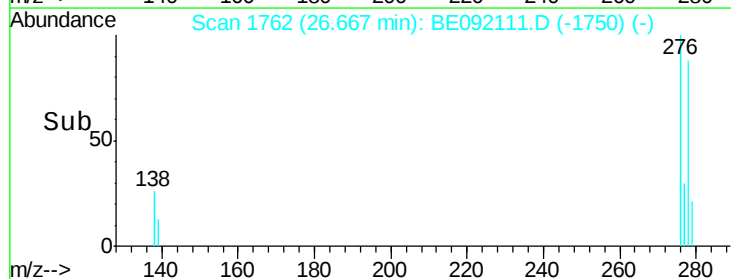
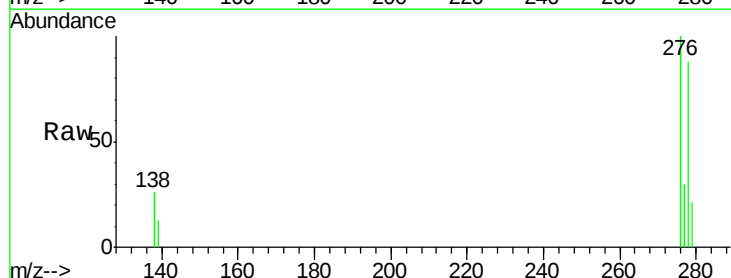
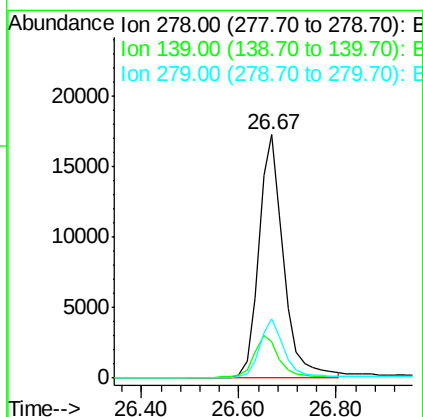
Manual Integrations
APPROVED

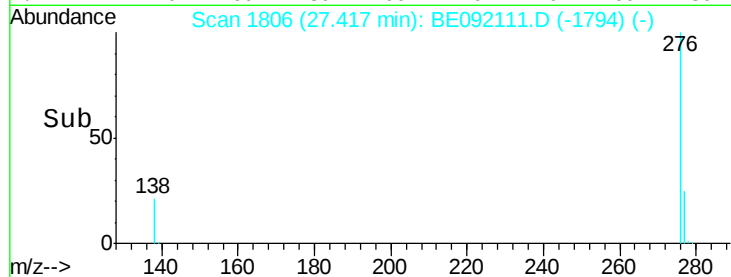
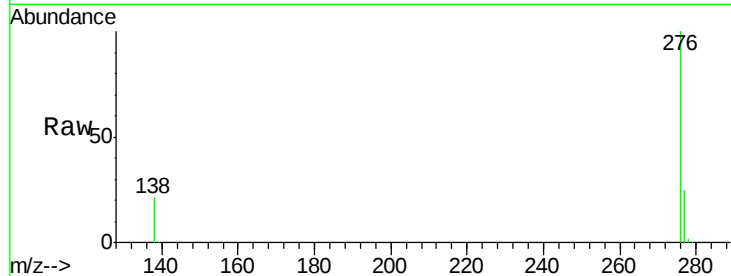
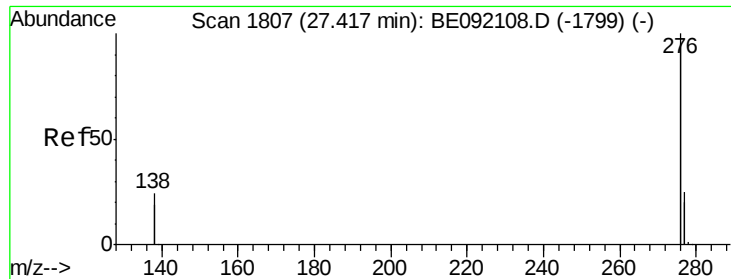
Sohil
8/3/2016 8:39:05 AM



#32
Dibenzo(a,h)anthracene
Concen: 3.01 ng
RT: 26.67 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BE092111.D
Acq: 2 Aug 2016 14:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.8	16.7	25.1#
279	24.3	20.3	30.5





#33
 Benzo(a,h,i)perylene
 Concen: 2.98 ng
 RT: 27.42 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BE092111.D
 Acq: 2 Aug 2016 14:41

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.5	29.3
138	20.9	20.8	31.2

Manual Integrations
 APPROVED

Sohil
 8/3/2016 8:39:05 AM

