Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092501.D
Acq On : 8 Nov 2016 10:15
Operator : UM/SJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
umangi
11/9/2016 10:58:45 AM

Quant Time: Nov 08 13:32:13 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:48:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	7817	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	36903	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	26113	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	62896	5.00	ng		0.00
24) Chrysene-d12	21.72	240	88665	5.00	ng		0.00
31) Perylene-d12	24.09	264	85701	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.66	112	170	0.14	ng		0.00
5) Phenol-d6	7.36	99	209	0.13	ng		0.02
8) Nitrobenzene-d5	9.36	82	221	0.11	ng		0.02
13) 2,4,6-Tribromophenol	16.31	330	67	0.13	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	658	0.10	ng		0.00
26) Terphenyl-d14	20.17	244	1100	0.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	213	0.21	ng	#	73
3) n-Nitrosodimethylamine	3.77	42	230	0.25	ng	#	71
6) bis(2-Chloroethyl)ether	7.59	93	286	0.15	ng	#	28
9) Naphthalene	10.99	128	975	0.12	ng	#	80
10) Hexachlorobutadiene	11.28	225	143	0.12	ng		97
11) 2-Methylnaphthalene	12.64	142	559	0.11	ng	#	93
15) Acenaphthylene	14.53	152	3927	0.11	ng		99
16) Acenaphthene	14.87	154	742	0.12	ng		87
17) Fluorene	15.86	166	814	0.11	ng		98
19) Hexachlorobenzene	16.89	284	247	0.09	ng	#	39
20) Pentachlorophenol	17.26	266	76	0.15	ng		86
21) Phenanthrene	17.60	178	1494	0.09	ng		100
22) Anthracene	17.69	178	1370	0.09	ng		97
23) Fluoranthene	19.61	202	7162	0.11	ng		98
25) Pyrene	19.97	202	7729	0.10	ng		99
27) Benzo(a)anthracene	21.70	228	10903m	0.13	ng		
28) Chrysene	21.77	228	17349m	0.20	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	1810	0.27	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.58	276	12282	0.16	ng		99
32) Benzo(b)fluoranthene	23.36	252	6553	0.31	ng		98
33) Benzo(k)fluoranthene	23.41	252	7180	0.34	ng		97
34) Benzo(a)pyrene	23.97	252	2909	0.15	ng	#	85
35) Dibenzo(a,h)anthracene	26.60	278	2490	0.14	ng	#	84
36) Benzo(g,h,i)perylene	27.35	276	10362	0.13	ng	#	89

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

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Manual Integrations APPROVED
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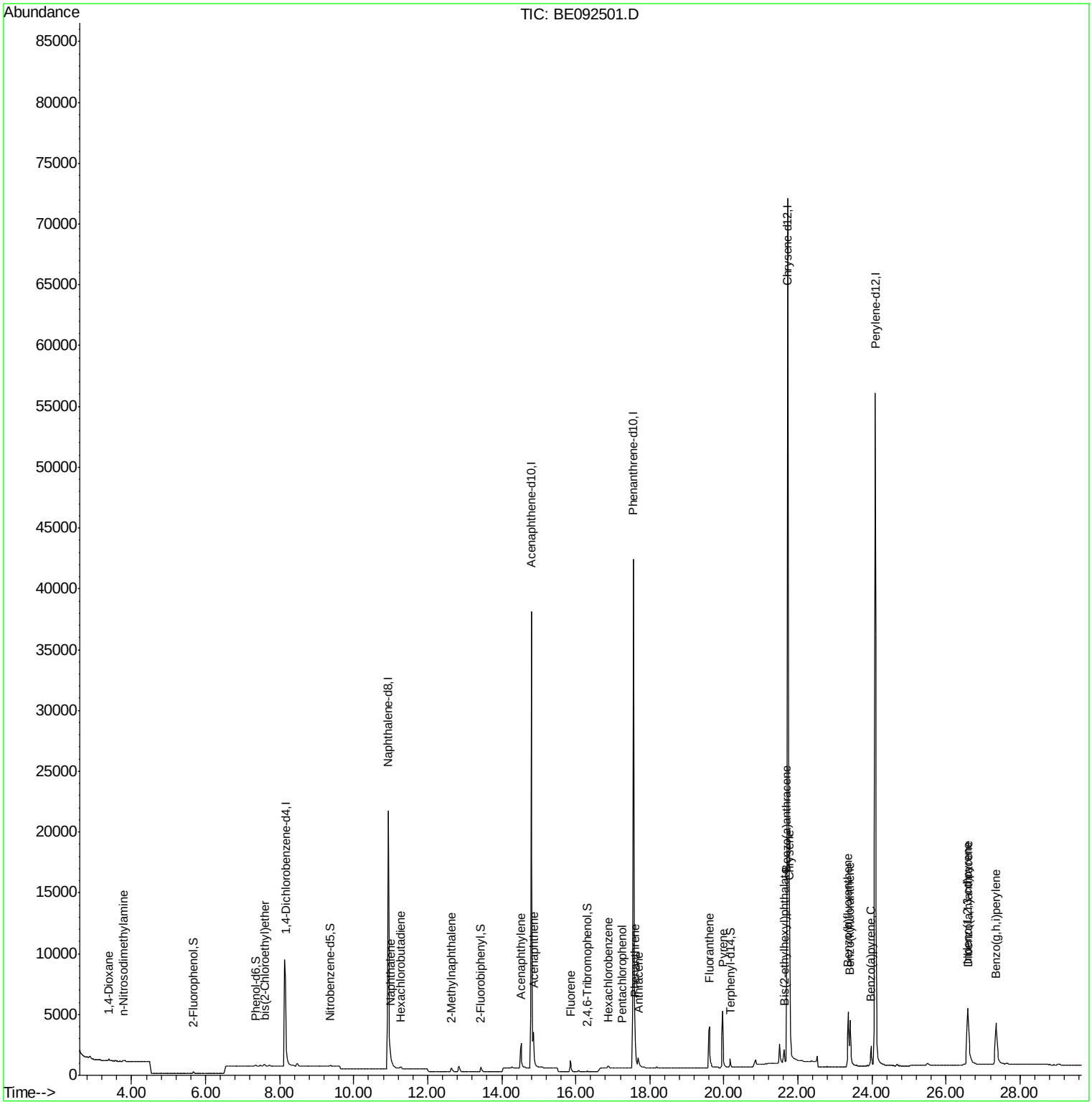
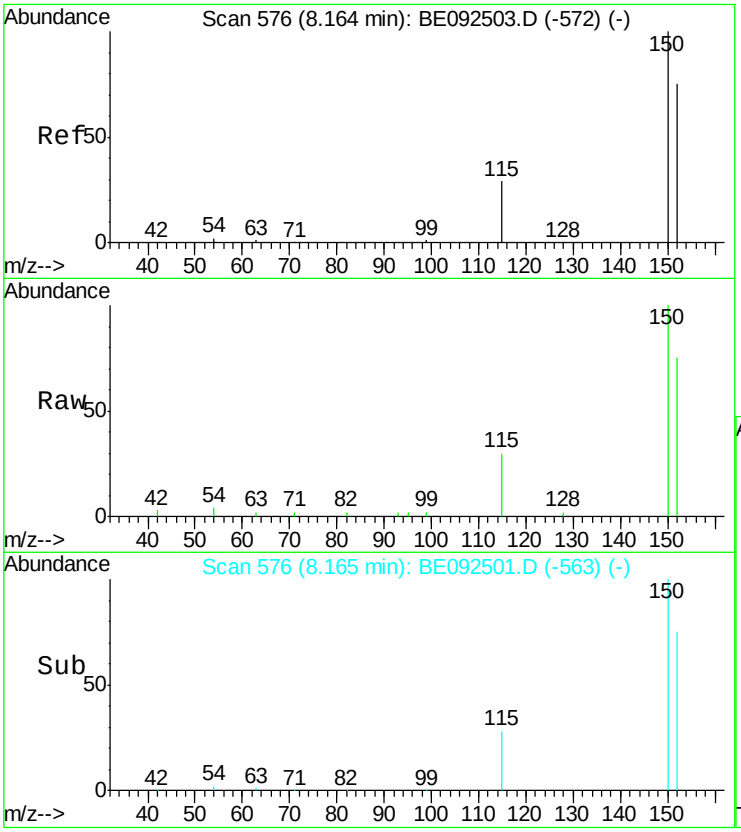
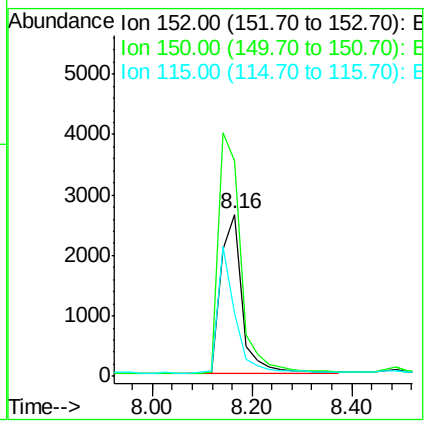




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:152 Resp: 7817

Ion	Ratio	Lower	Upper
152	100		
150	133.0	106.0	159.0
115	39.3	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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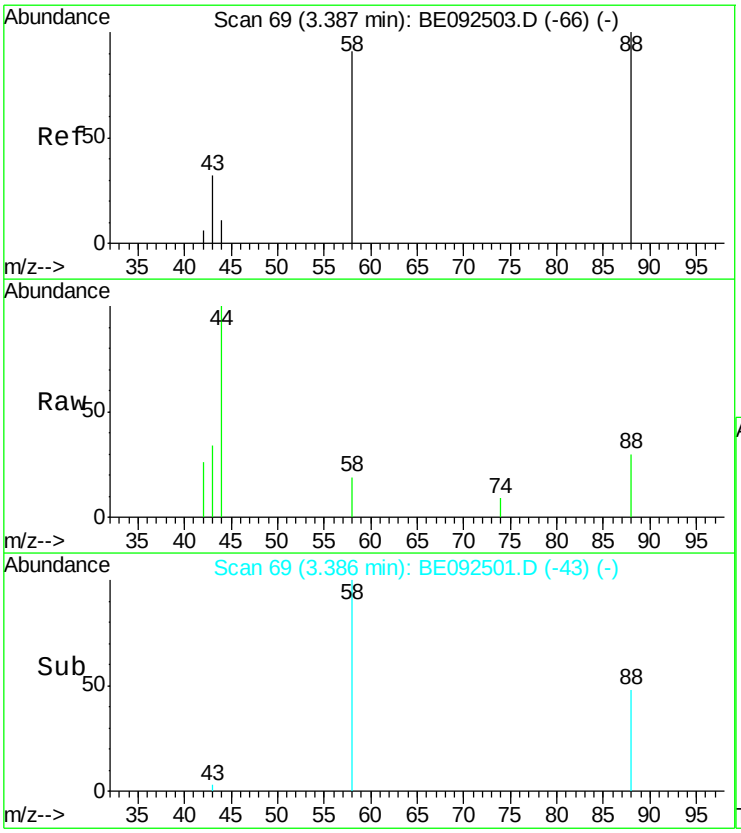
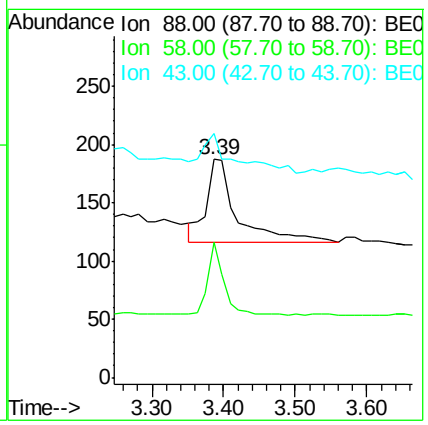
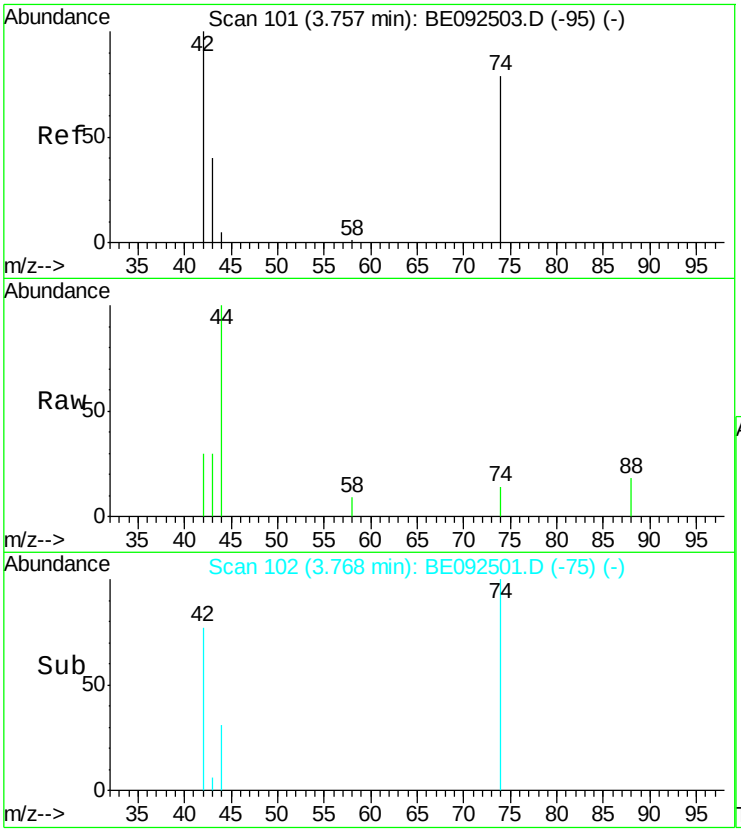


#2
1,4-Dioxane
Concen: 0.21 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion: 88 Resp: 213

Ion	Ratio	Lower	Upper
88	100		
58	49.3	63.6	95.4#
43	41.8	28.0	42.0

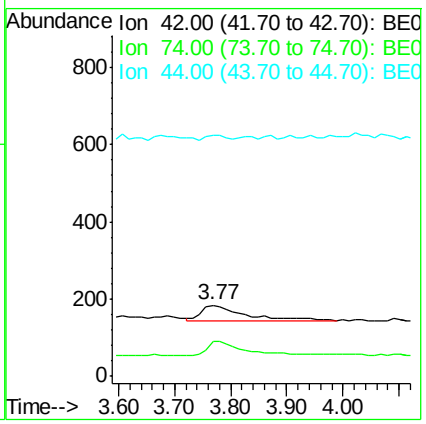




#3
n-Nitrosodimethylamine
Concen: 0.25 ng
RT: 3.77 min Scan# 102
Delta R.T. 0.01 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion: 42 Resp: 230

Ion	Ratio	Lower	Upper
42	100		
74	76.5	86.0	129.0#
44	14.3	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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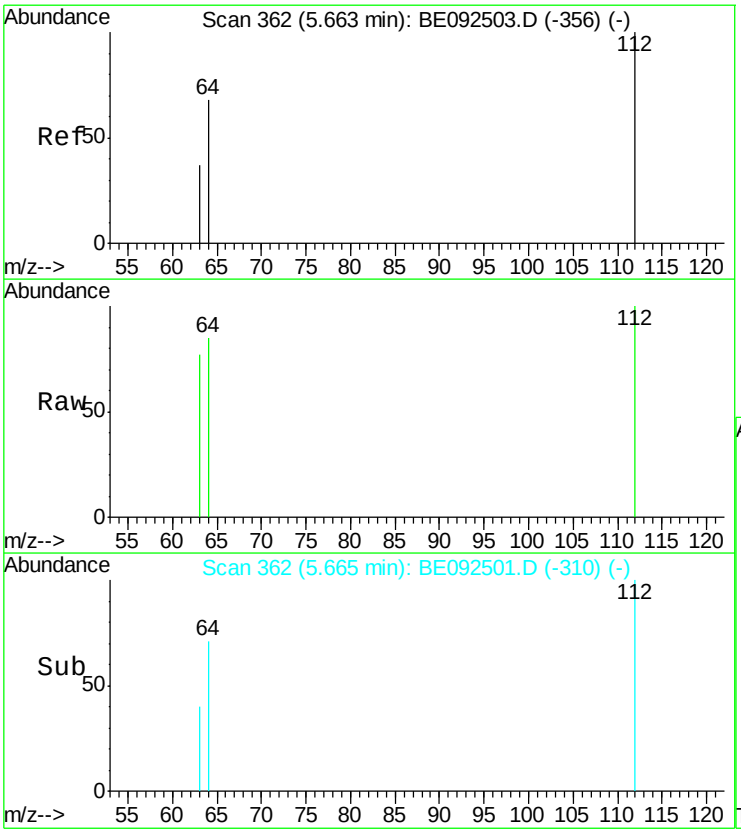
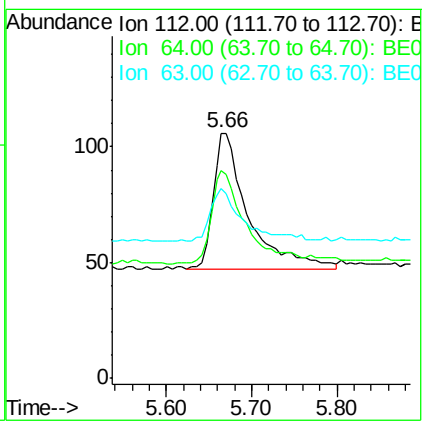
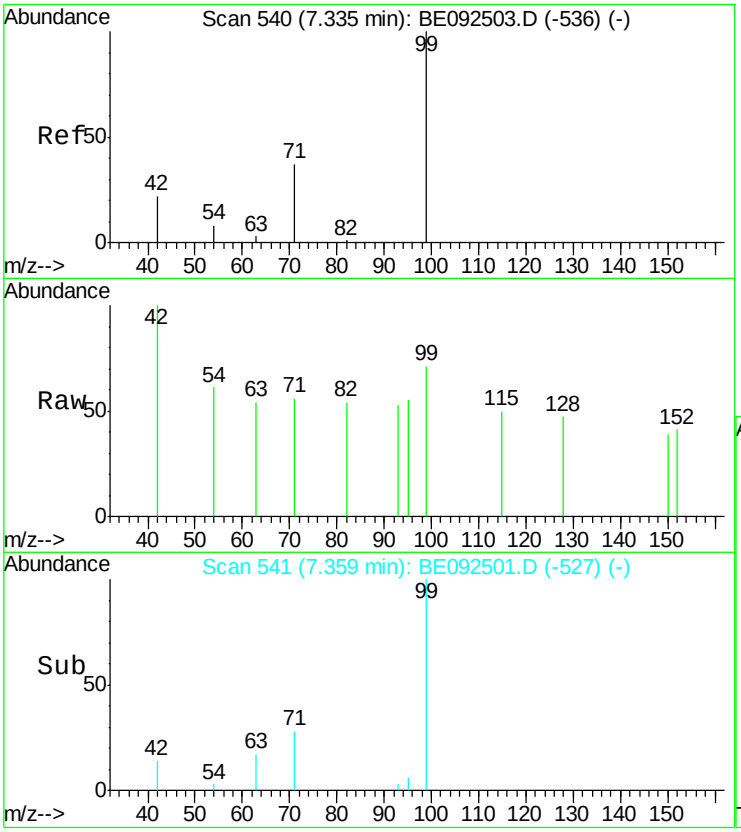


#4
2-Fluorophenol
Concen: 0.14 ng
RT: 5.66 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:112 Resp: 170

Ion	Ratio	Lower	Upper
112	100		
64	68.2	53.5	80.3
63	36.5	27.9	41.9

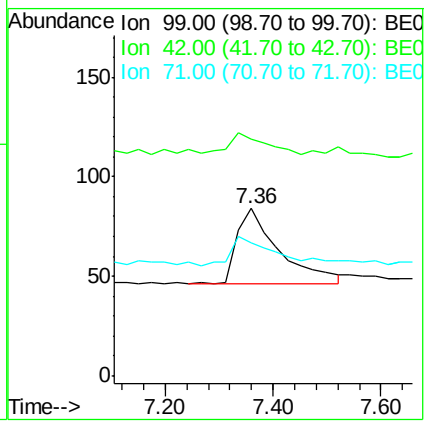




#5
Phenol-d6
Concen: 0.13 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion: 99 Resp: 209

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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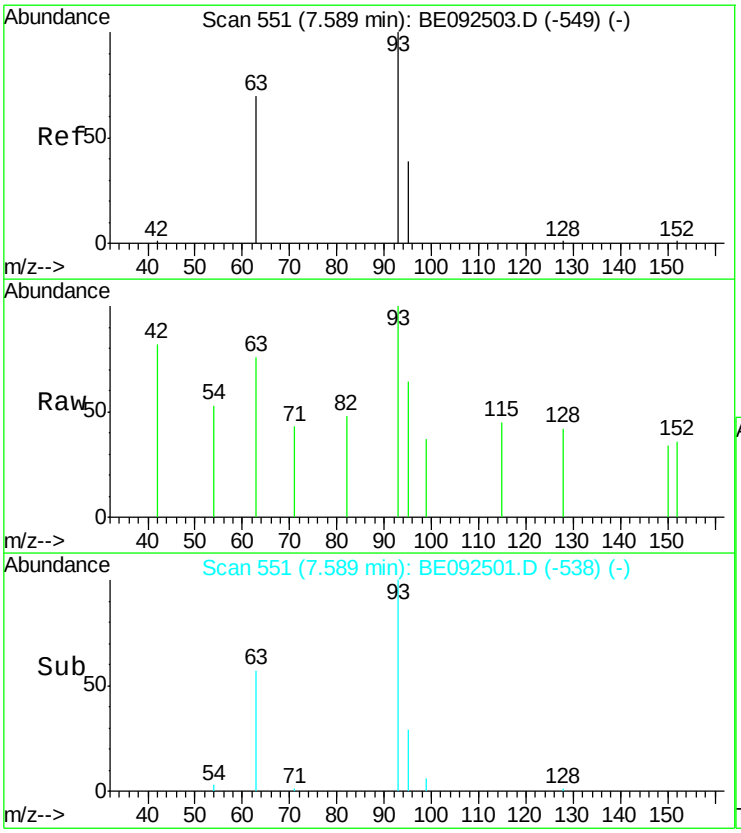
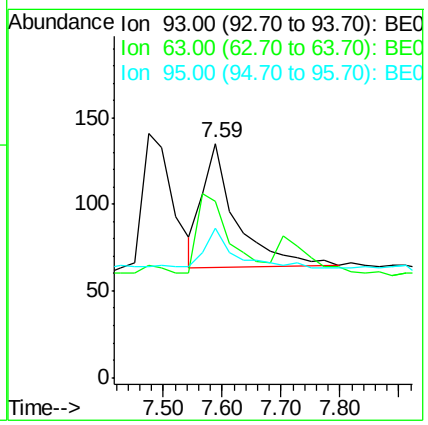
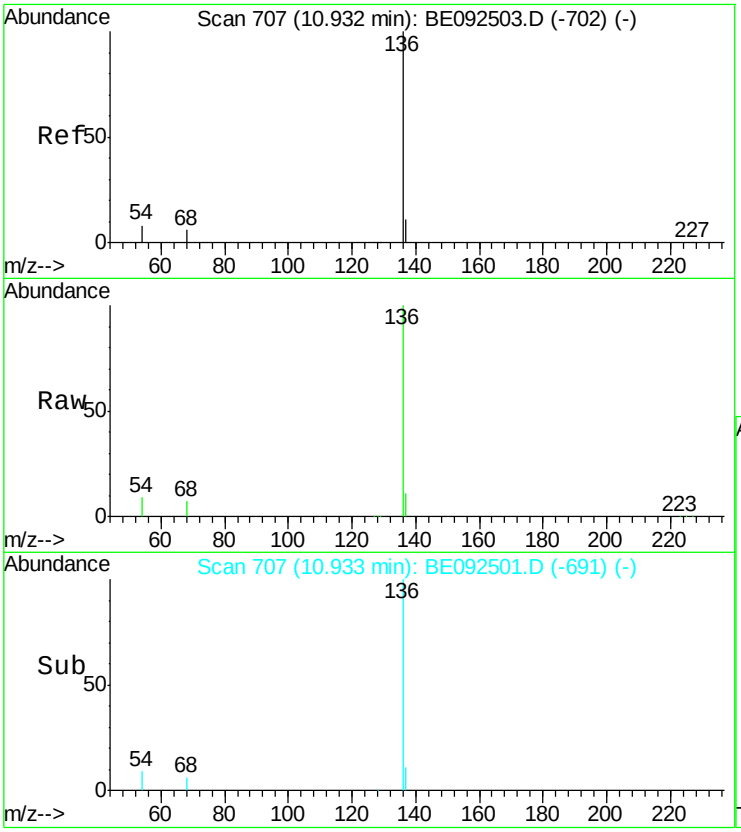


#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion: 93 Resp: 286

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	30.4	24.0	36.0

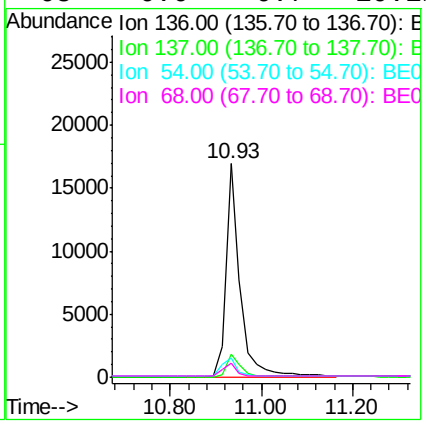




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:136 Resp: 36903

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	9.1	9.6	14.4#
68	6.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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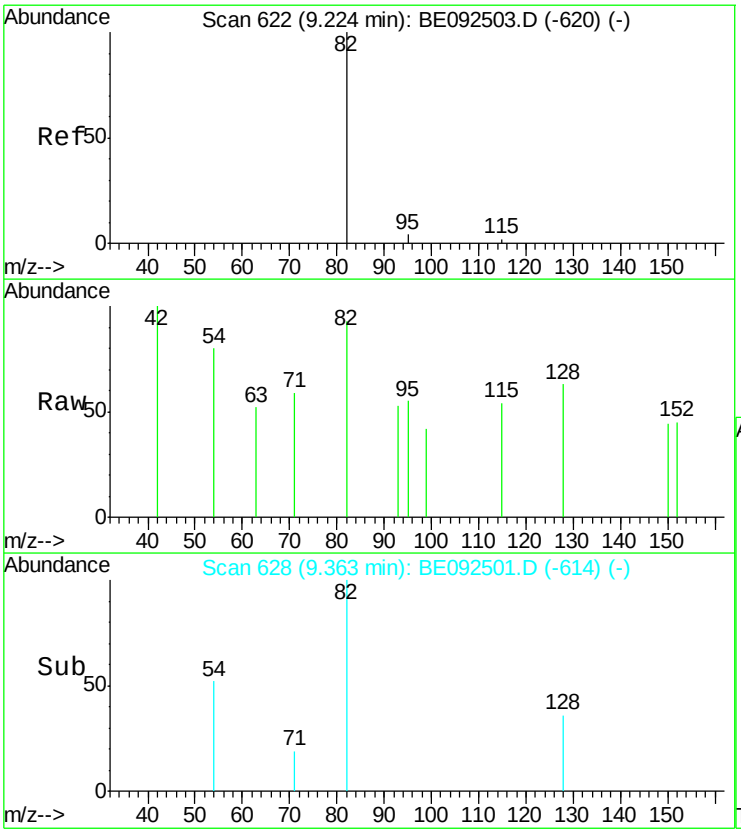
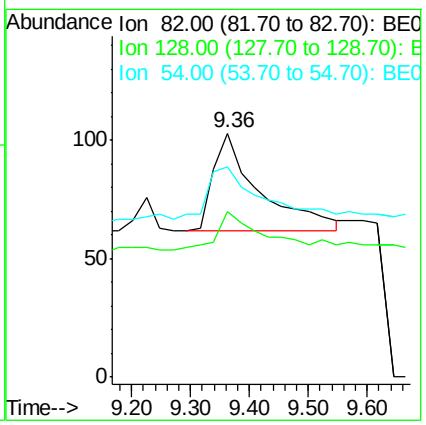
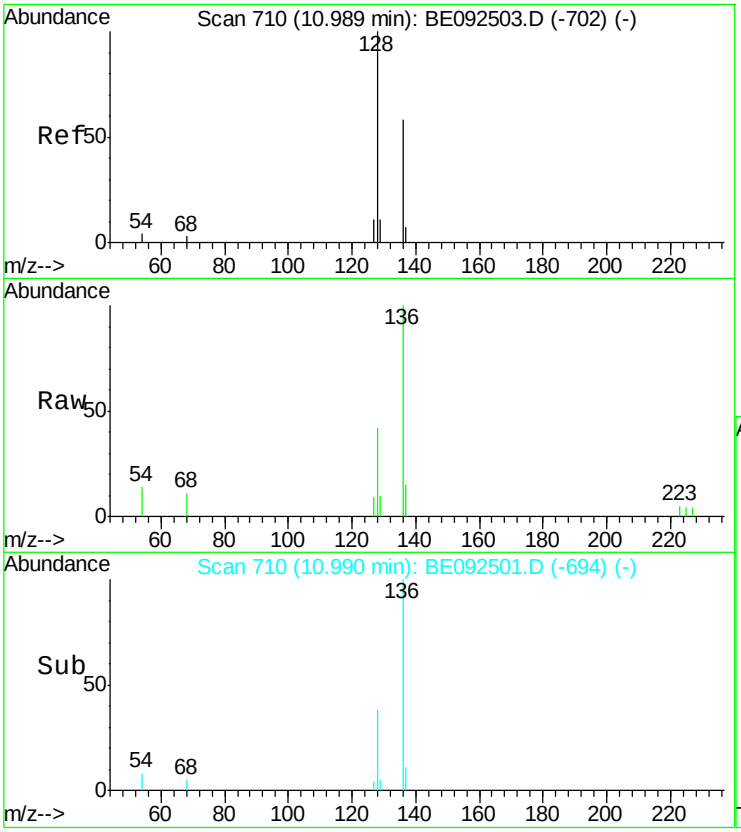


#8
Nitrobenzene-d5
Concen: 0.11 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion: 82 Resp: 221

Ion	Ratio	Lower	Upper
82	100		
128	68.0	39.0	58.4#
54	86.4	44.8	67.2#

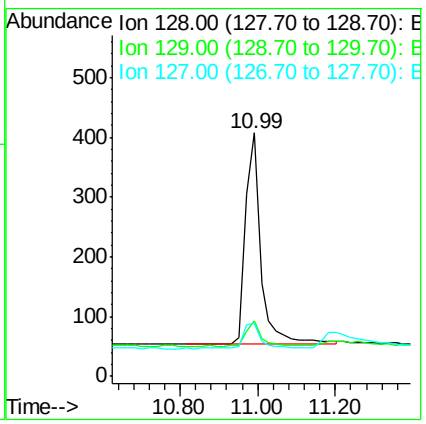




#9
Naphthalene
Concen: 0.12 ng
RT: 10.99 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:128 Resp: 975

Ion	Ratio	Lower	Upper
128	100		
129	23.0	11.2	16.8#
127	21.8	11.6	17.4#



Instrument :
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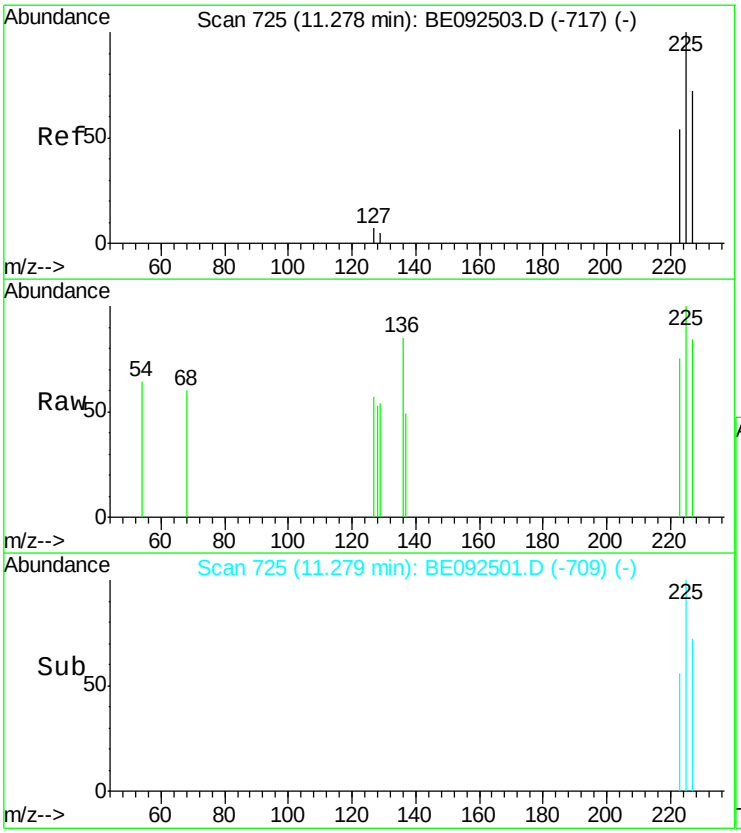
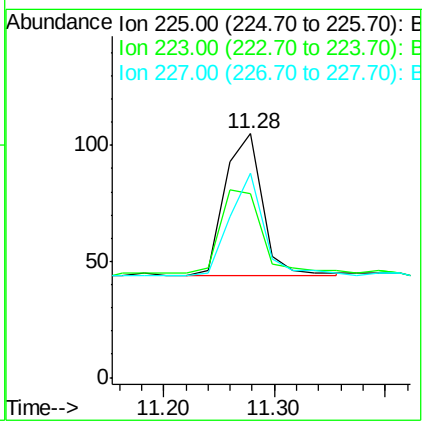
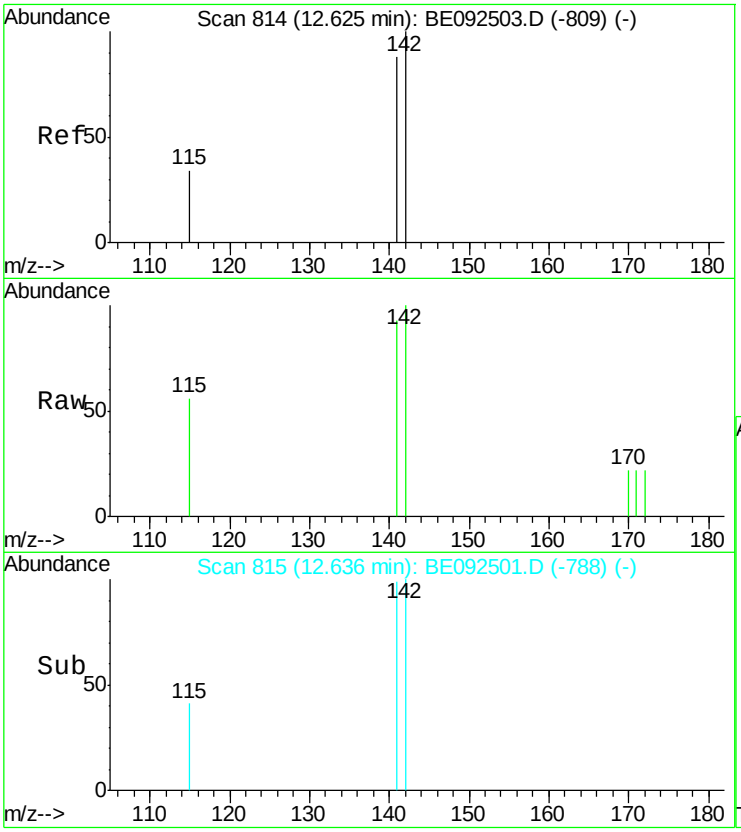


#10
Hexachlorobutadiene
Concen: 0.12 ng
RT: 11.28 min Scan# 725
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:225 Resp: 143

Ion	Ratio	Lower	Upper
225	100		
223	65.0	50.6	76.0
227	66.4	51.4	77.0

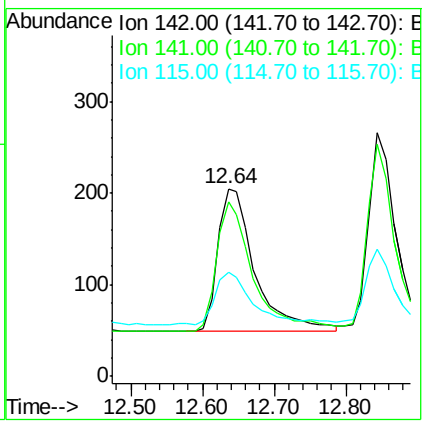




#11
2-Methylnaphthalene
Concen: 0.11 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.01 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:142 Resp: 559

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.7	110.5
115	55.6	34.0	51.0#



Instrument :
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ClientSampleId :
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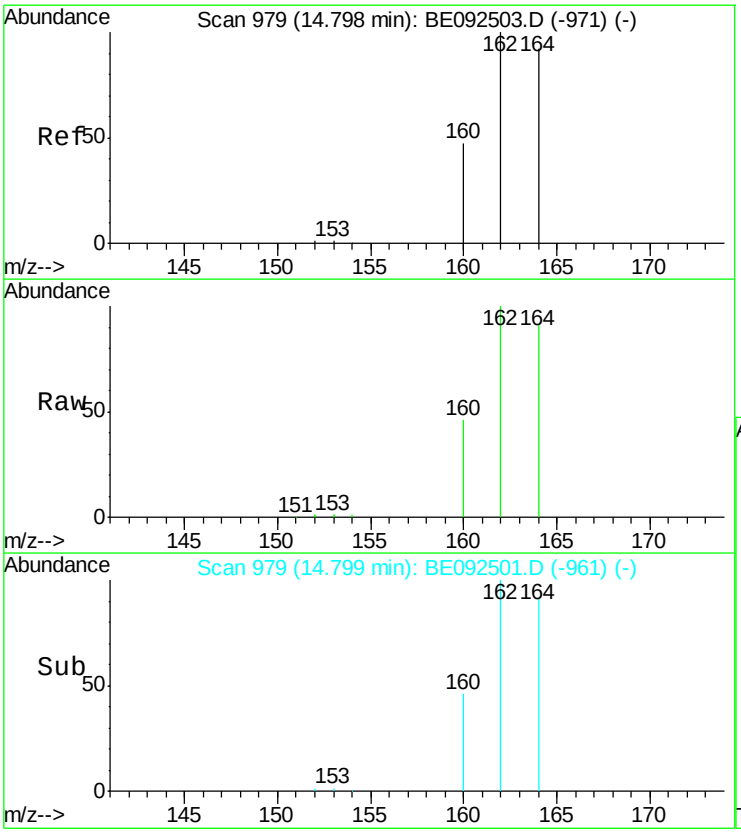
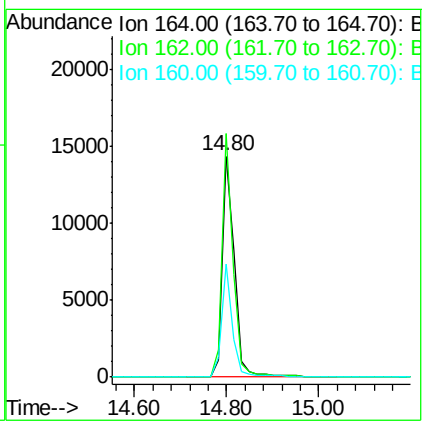
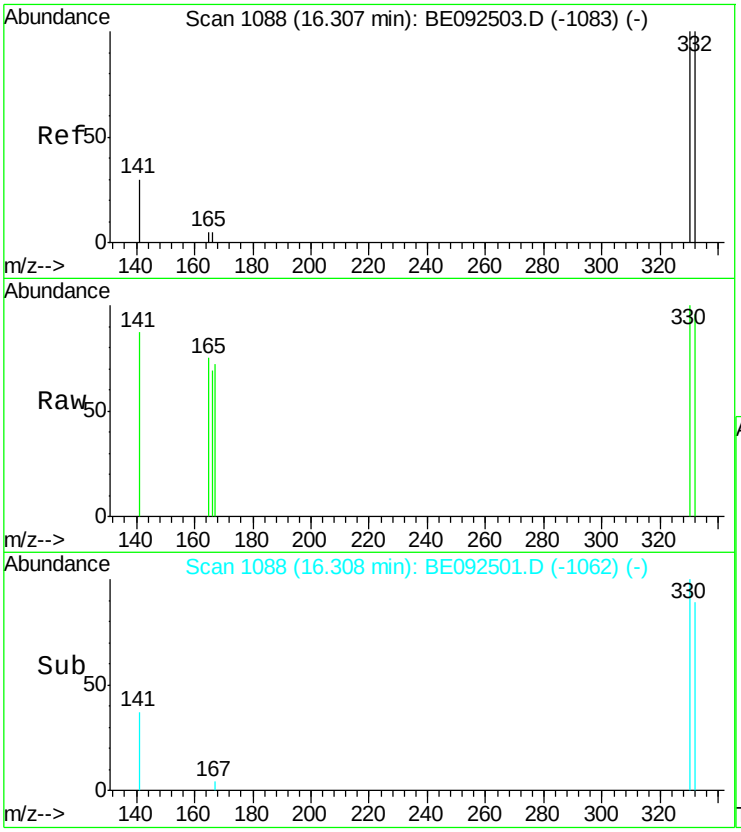


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:164 Resp: 26113

Ion	Ratio	Lower	Upper
164	100		
162	110.2	71.4	107.0#
160	51.0	27.4	41.2#

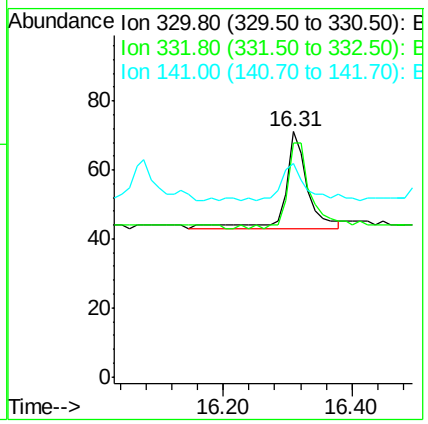




#13
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:330 Resp: 67

Ion	Ratio	Lower	Upper
330	100		
332	100.0	75.4	113.0
141	46.3	31.0	46.6



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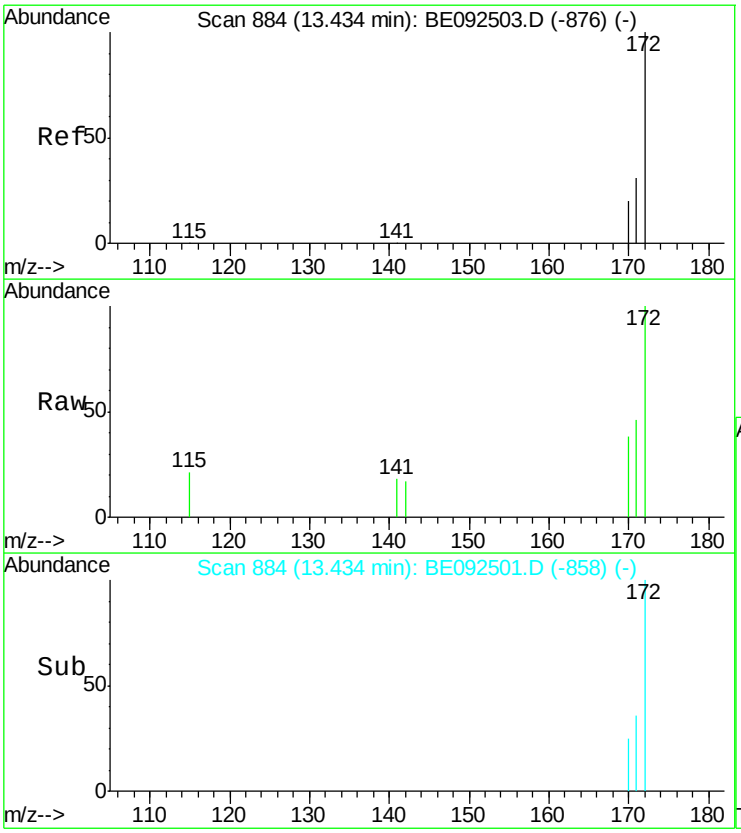
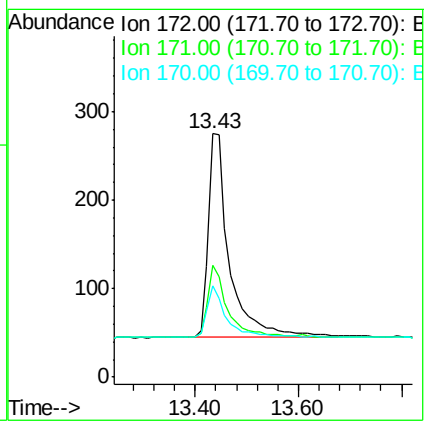
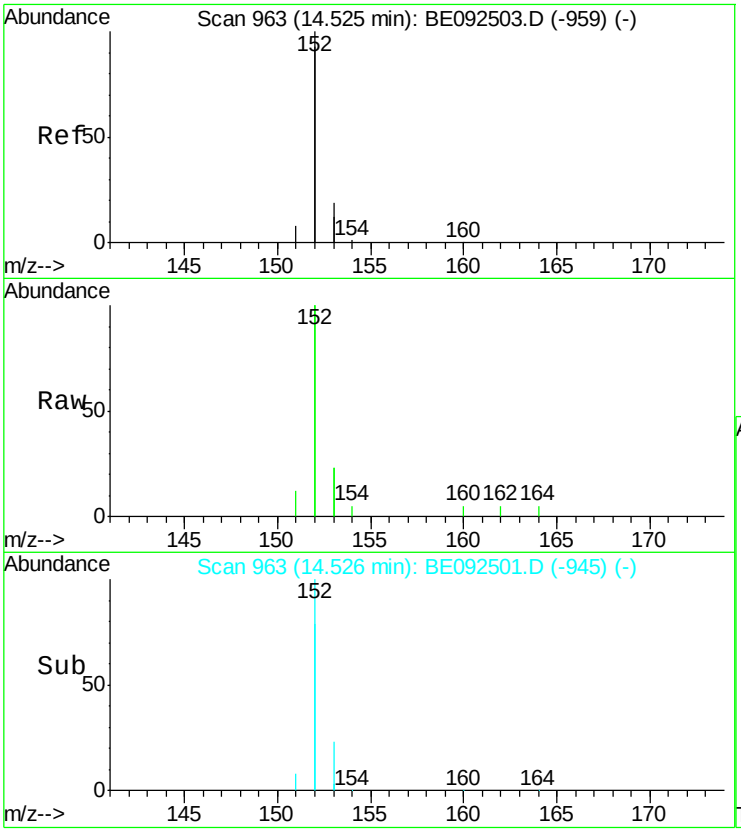


#14
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:172 Resp: 658

Ion	Ratio	Lower	Upper
172	100		
171	46.2	30.1	45.1#
170	37.8	21.8	32.6#

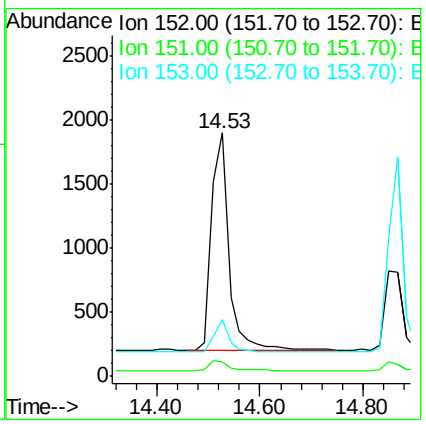




#15
Acenaphthylene
Concen: 0.11 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:152 Resp: 3927

Ion	Ratio	Lower	Upper
152	100		
151	5.4	3.9	5.9
153	13.3	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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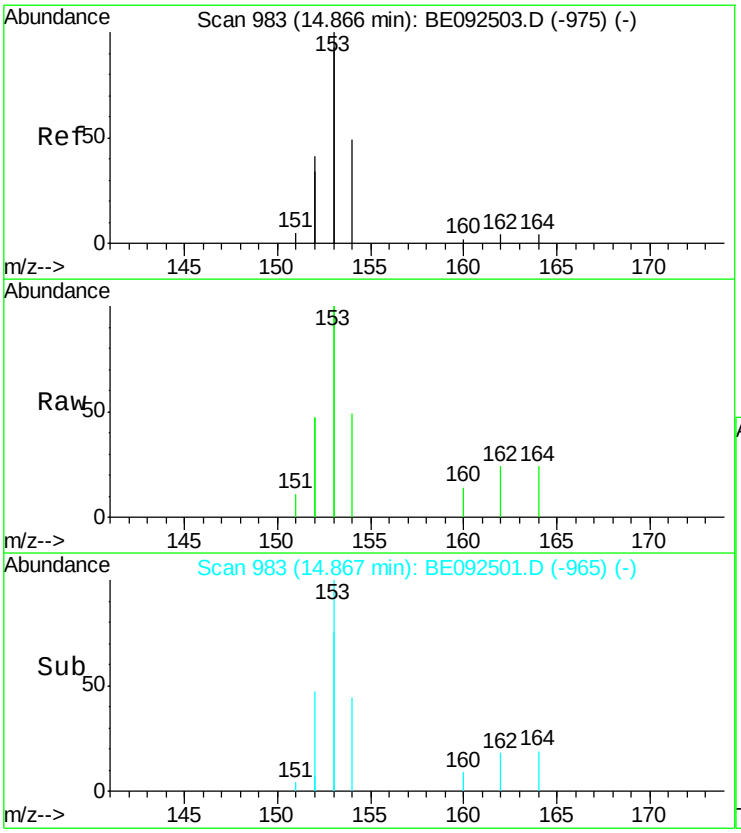
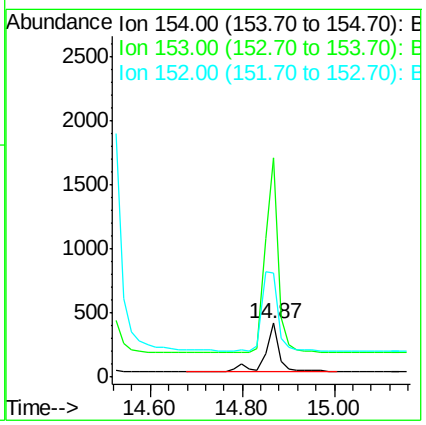
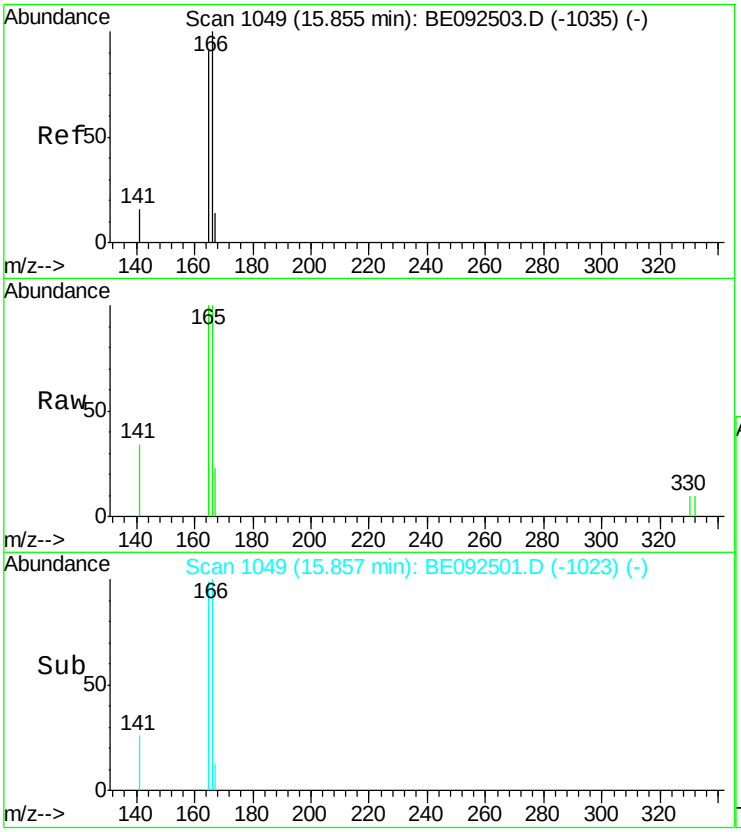


#16
Acenaphthene
Concen: 0.12 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:154 Resp: 742

Ion	Ratio	Lower	Upper
154	100		
153	398.1	350.8	526.2
152	201.3	171.1	256.7

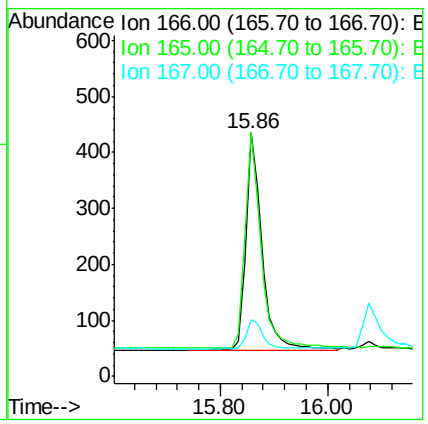




#17
Fluorene
Concen: 0.11 ng
RT: 15.86 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:166 Resp: 814

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.2	117.4
167	14.0	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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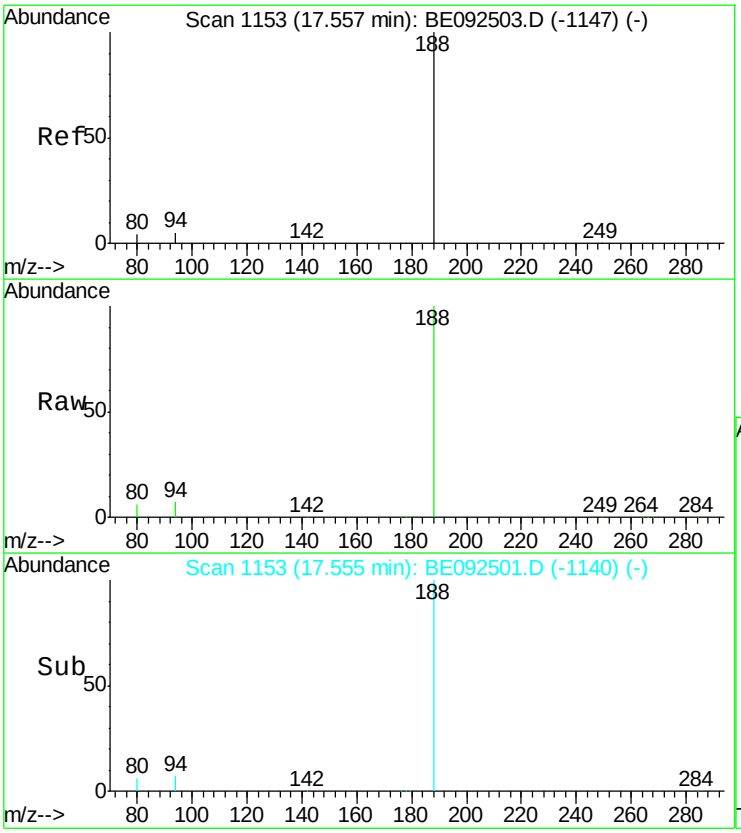
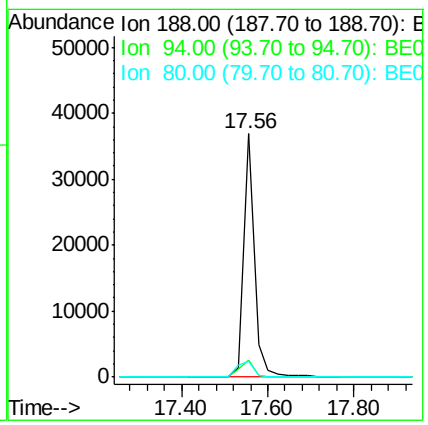
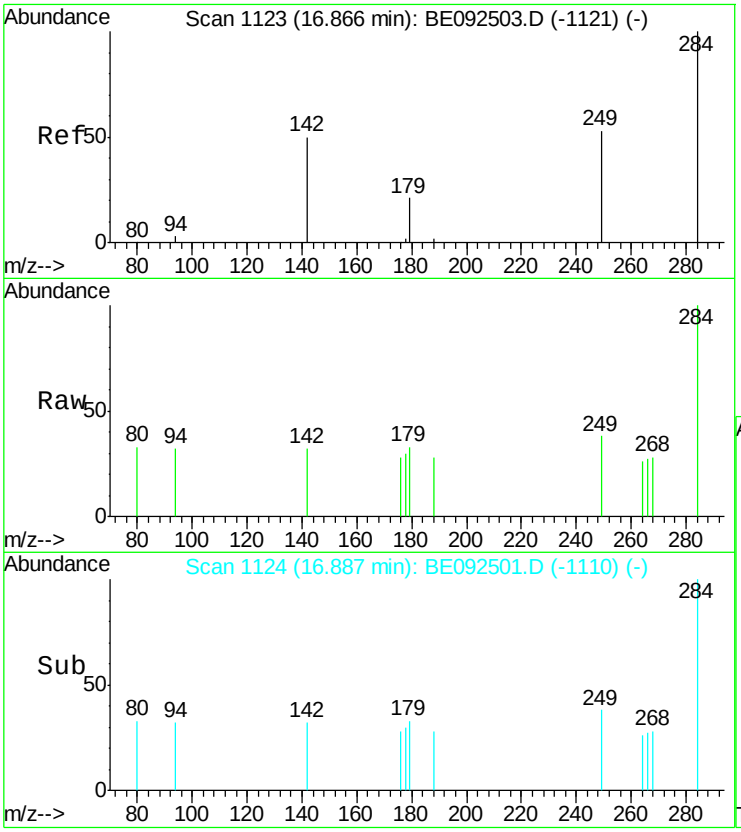


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:188 Resp: 62896

Ion	Ratio	Lower	Upper
188	100		
94	7.0	3.2	4.8#
80	6.5	2.6	3.8#





#19
Hexachlorobenzene
Concen: 0.09 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:284 Resp: 247

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

Instrument :
BNA_E
ClientSampleId :
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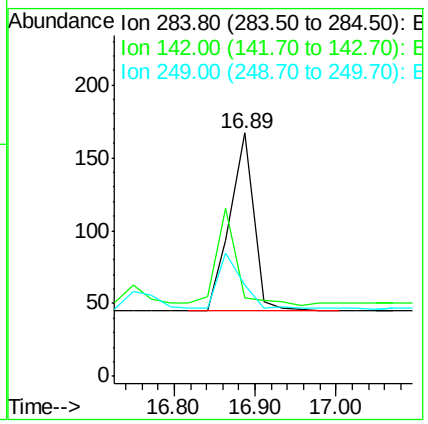
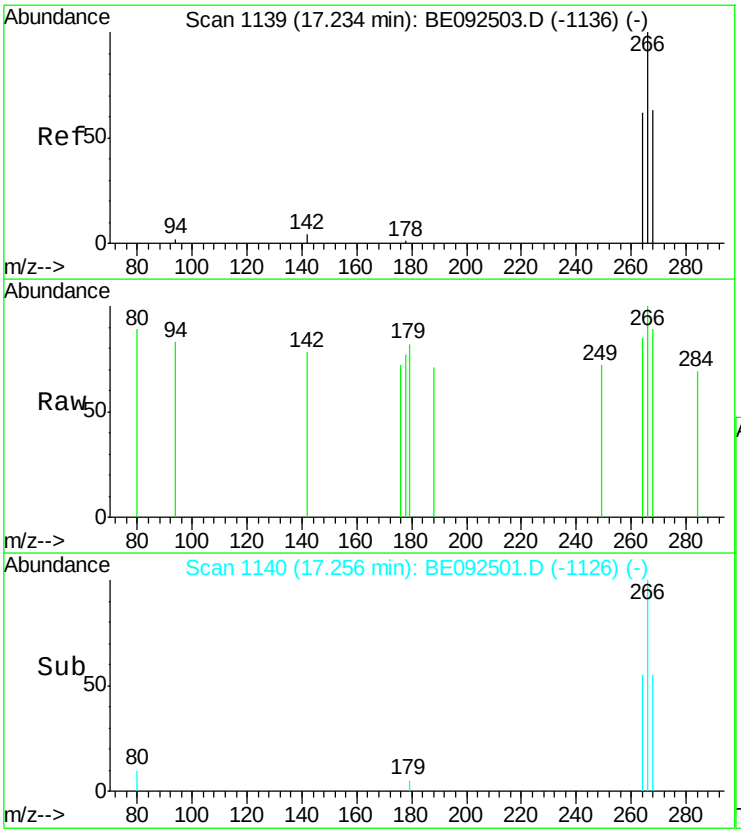
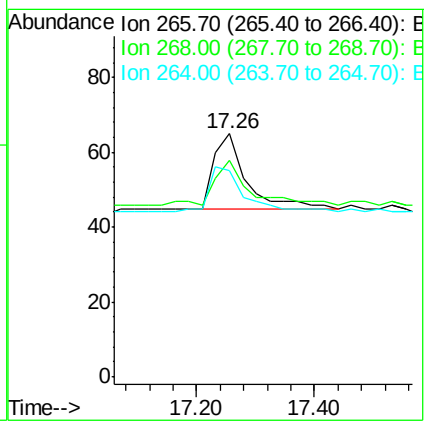


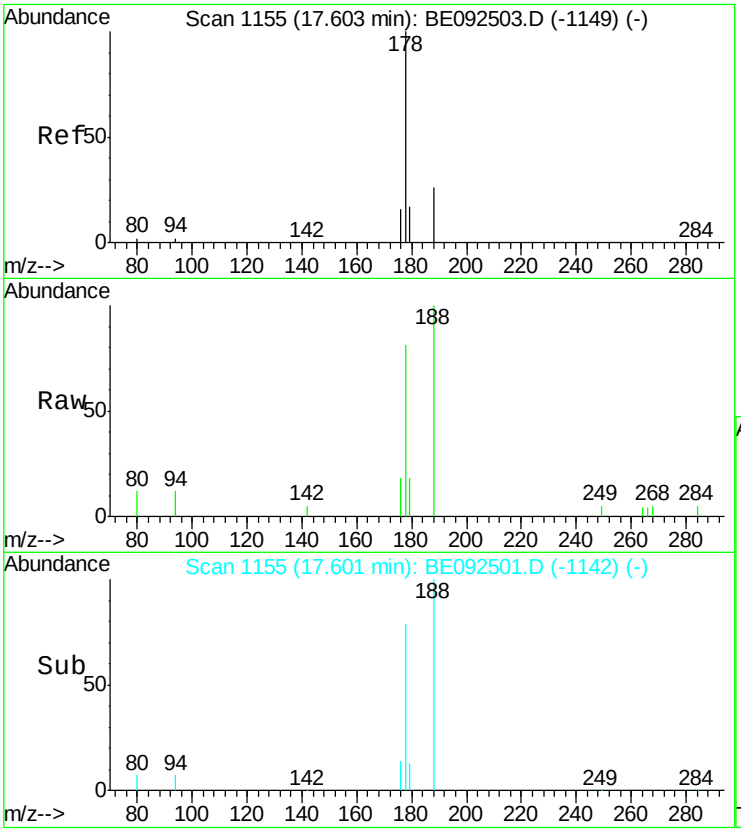


#20
Pentachlorophenol
Concen: 0.15 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:266 Resp: 76

Ion	Ratio	Lower	Upper
266	100		
268	89.2	62.5	93.7
264	84.6	57.2	85.8

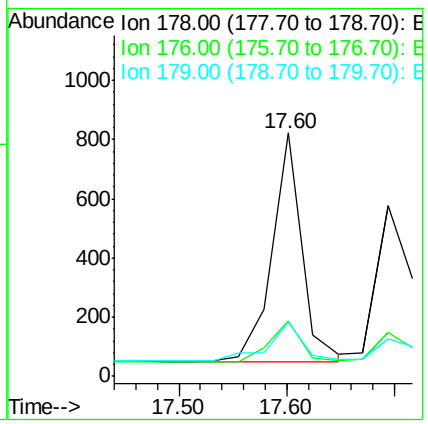




#21
Phenanthrene
Concen: 0.09 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:178 Resp: 1494

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	20.0	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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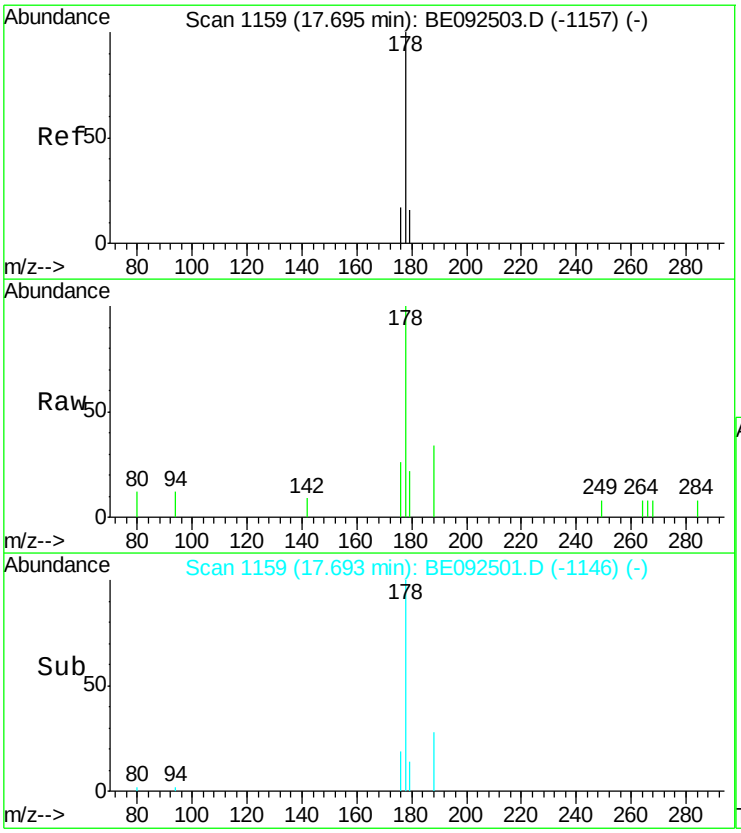
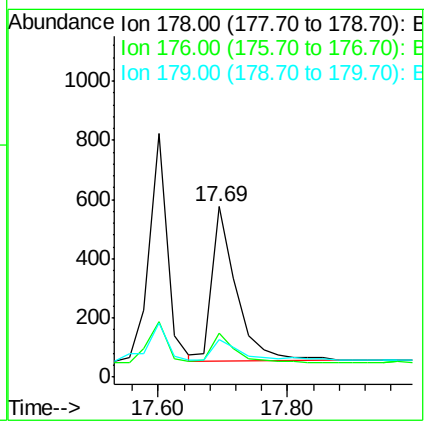
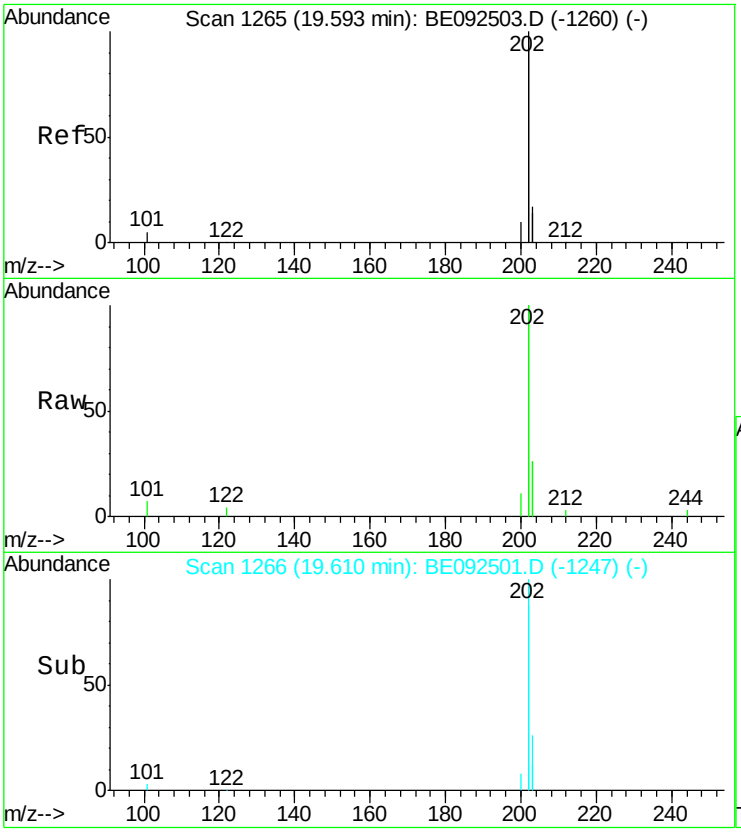


#22
Anthracene
Concen: 0.09 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:178 Resp: 1370

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	17.4	12.2	18.2

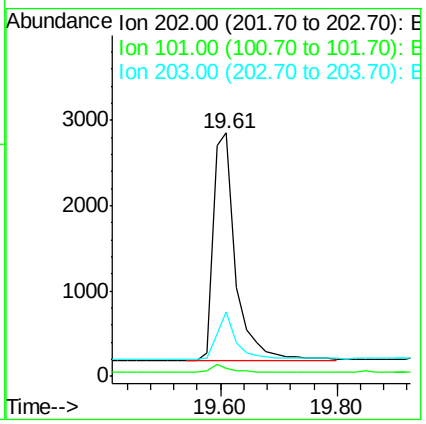




#23
Fluoranthene
Concen: 0.11 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:202 Resp: 7162

Ion	Ratio	Lower	Upper
202	100		
101	2.7	2.2	3.4
203	18.2	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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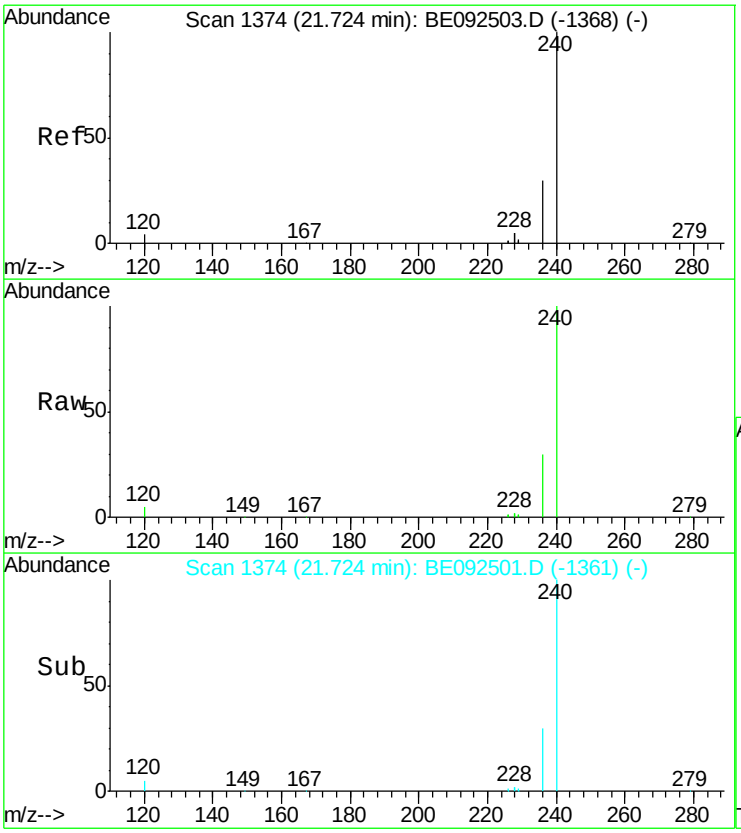
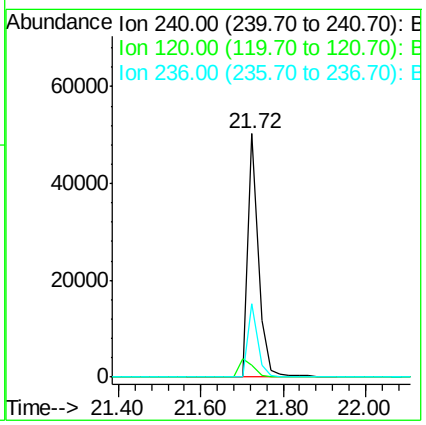
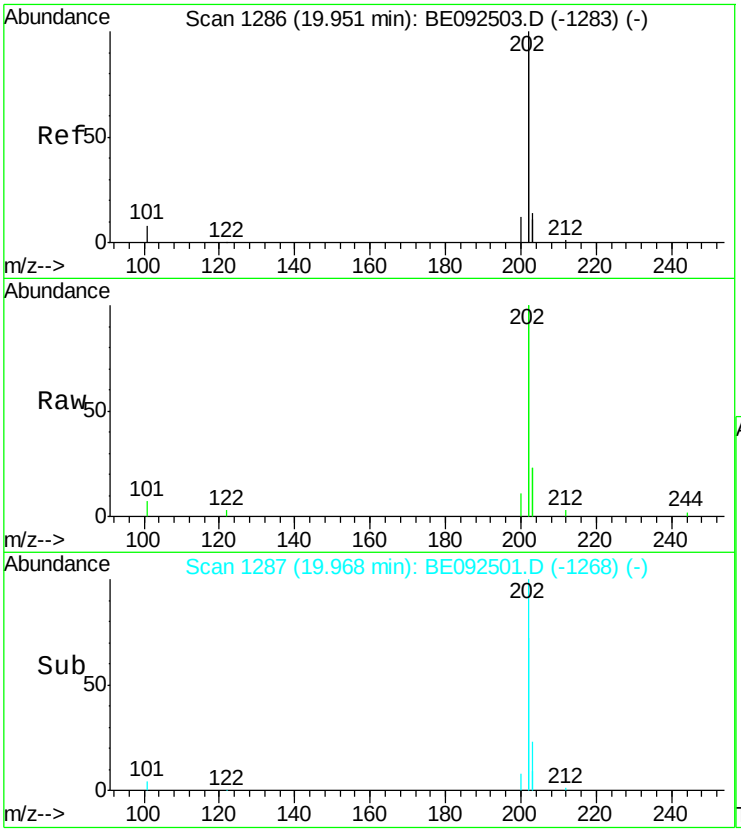


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:240 Resp: 88665

Ion	Ratio	Lower	Upper
240	100		
120	5.1	2.6	4.0#
236	30.2	24.6	37.0

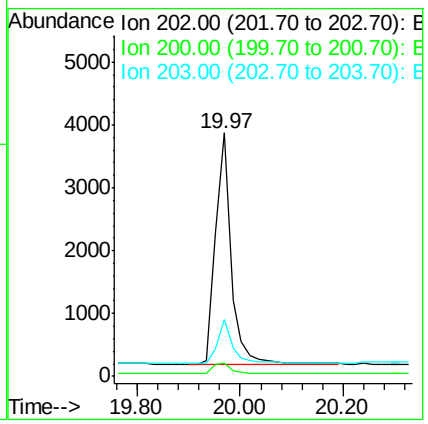




#25
Pyrene
Concen: 0.10 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:202 Resp: 7729

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.2	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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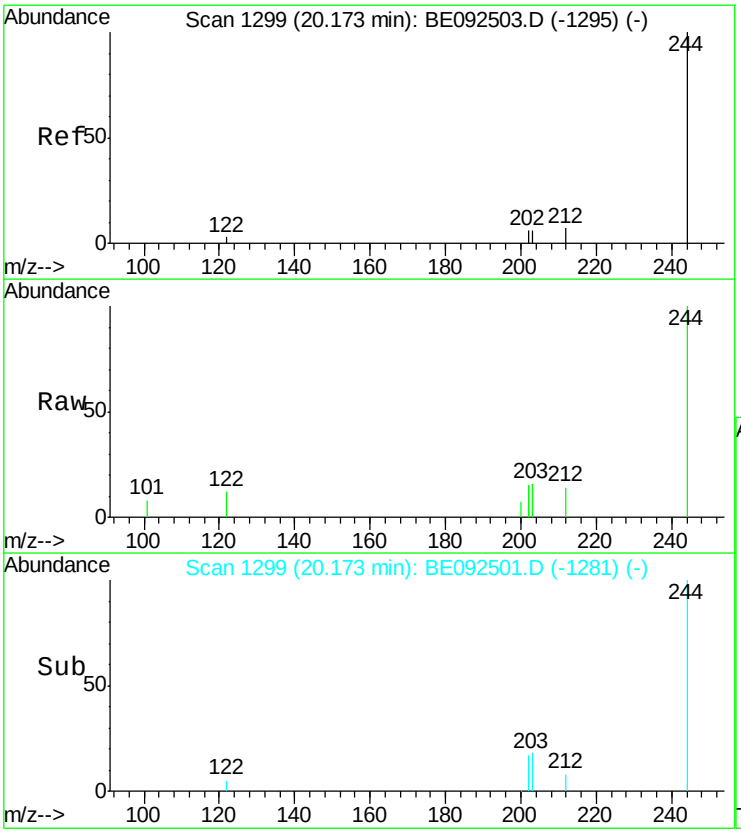
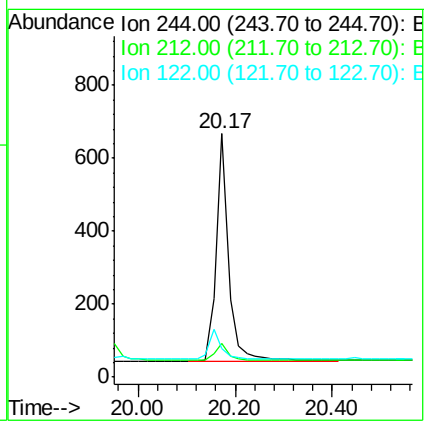
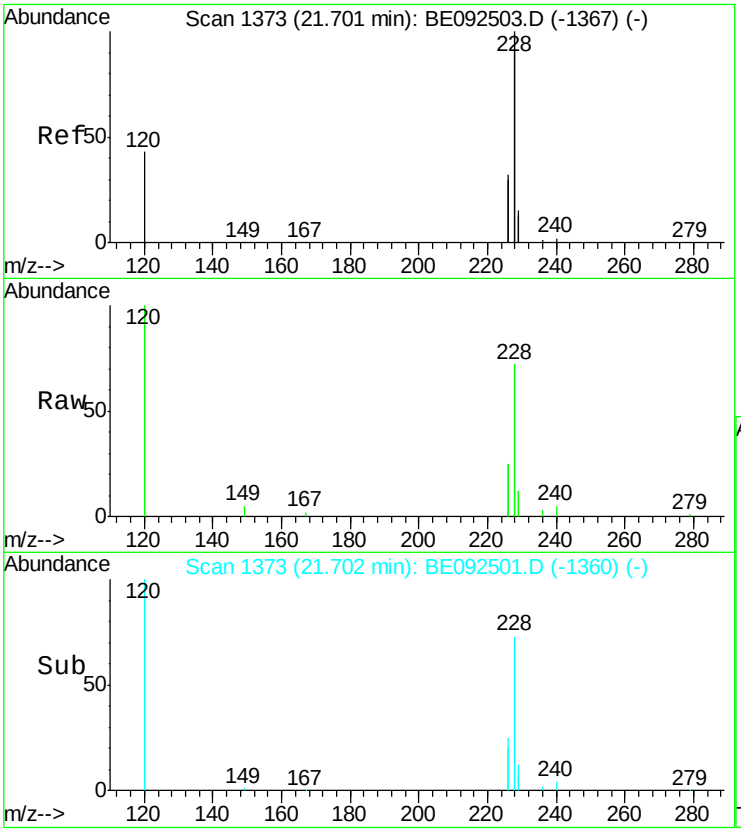


#26
Terphenyl-d14
Concen: 0.10 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:244 Resp: 1100

Ion	Ratio	Lower	Upper
244	100		
212	14.1	6.7	10.1#
122	11.8	3.6	5.4#

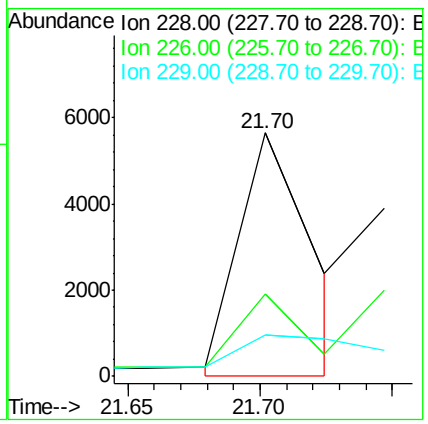




#27
Benzo(a)anthracene
Concen: 0.13 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:228 Resp: 10903

Ion	Ratio	Lower	Upper
228	100		
226	34.0	23.6	35.4
229	16.9	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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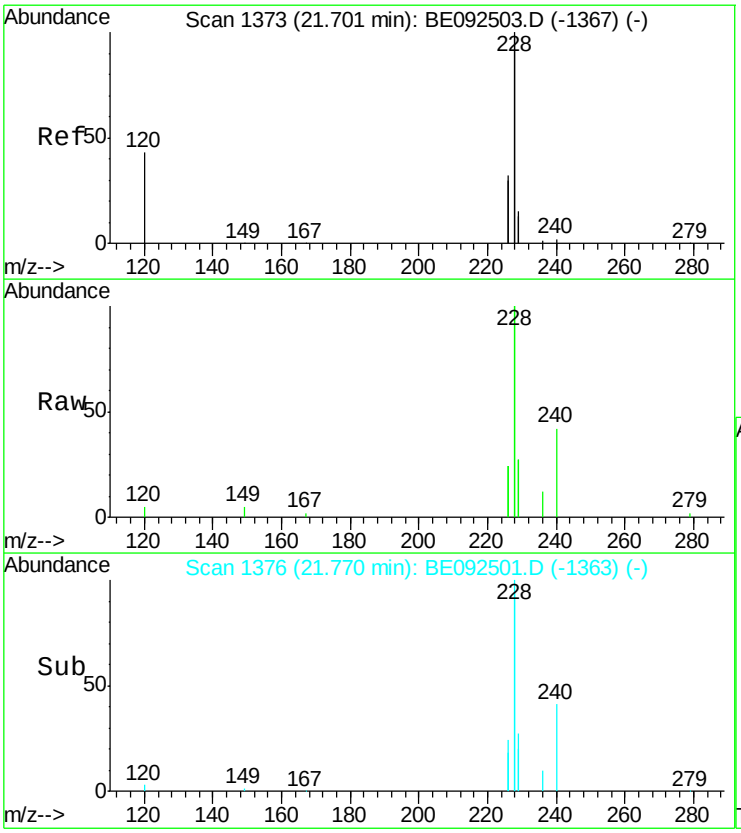
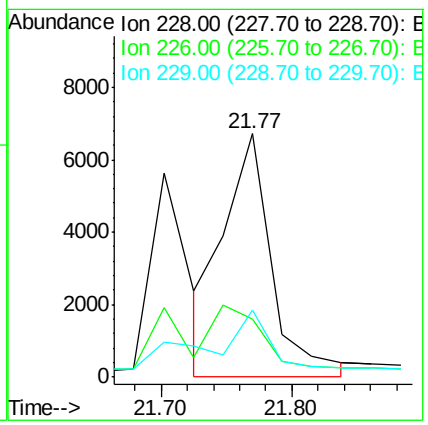
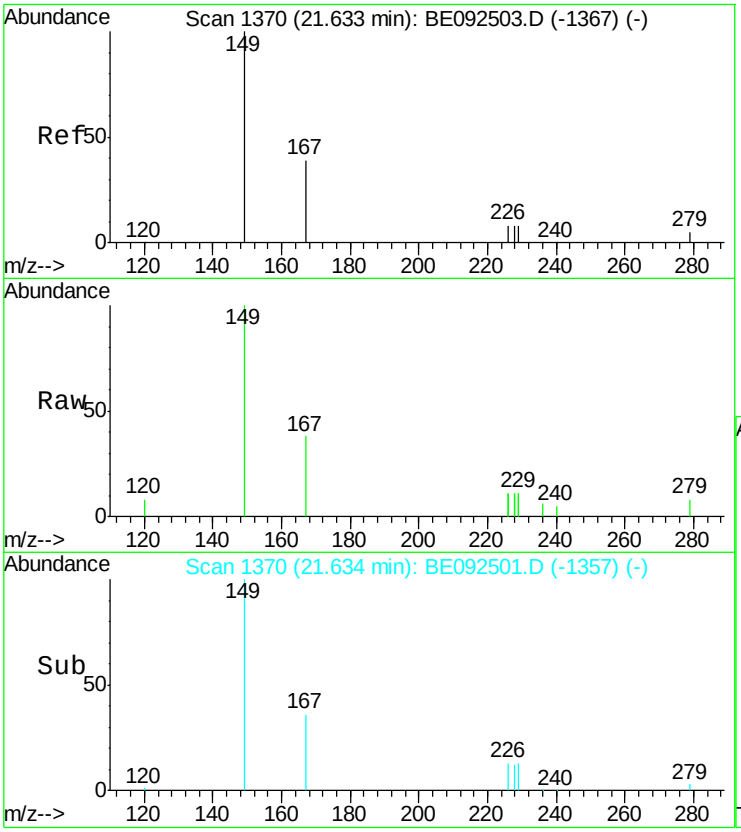


#28
Chrysene
Concen: 0.20 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:228 Resp: 17349

Ion	Ratio	Lower	Upper
228	100		
226	23.7	36.3	54.5#
229	27.3	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.27 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Instrument :
BNA_E
ClientSampleId :
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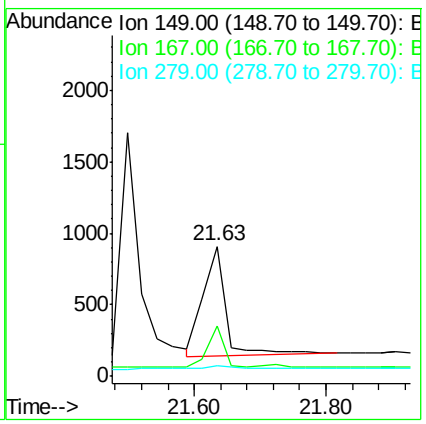
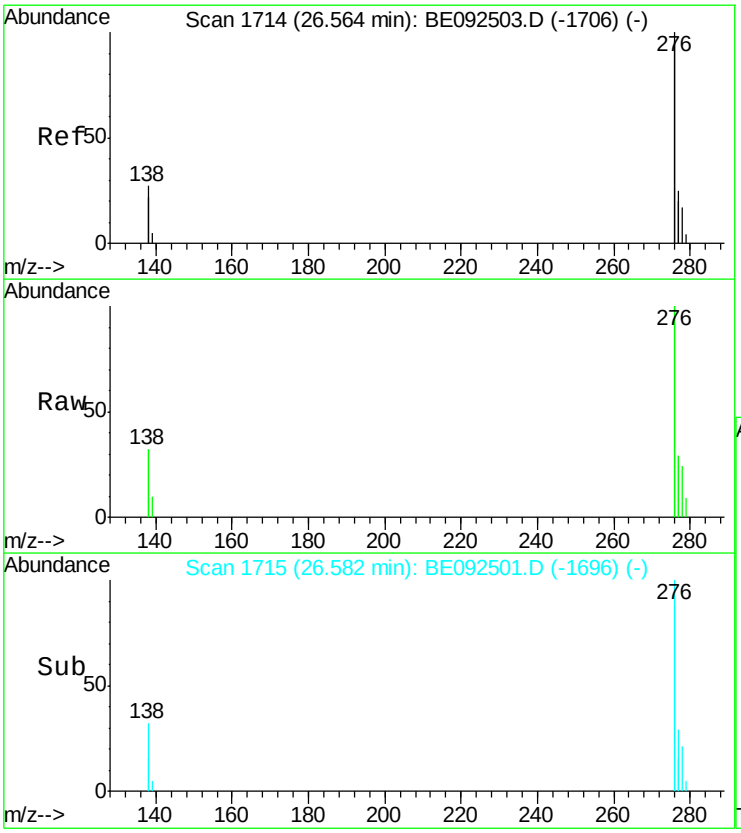
Tgt Ion:149 Resp: 1810

Ion	Ratio	Lower	Upper
149	100		
167	27.3	16.0	24.0#
279	5.7	16.0	24.0#

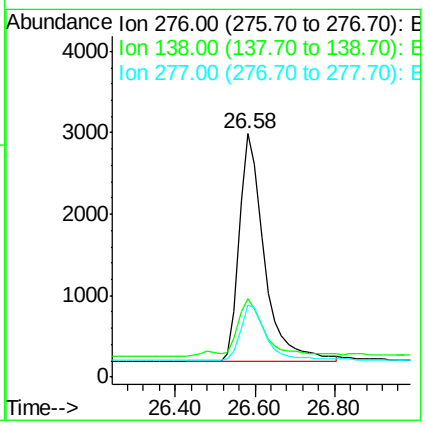


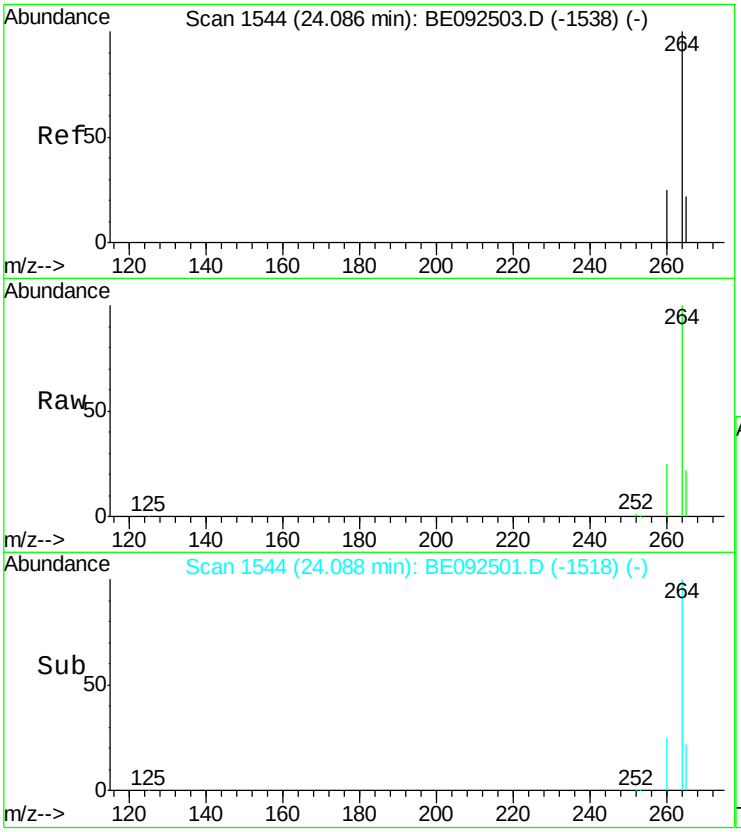


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 26.58 min Scan# 1715
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:276 Resp: 12282

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.3	30.5
277	24.5	19.7	29.5

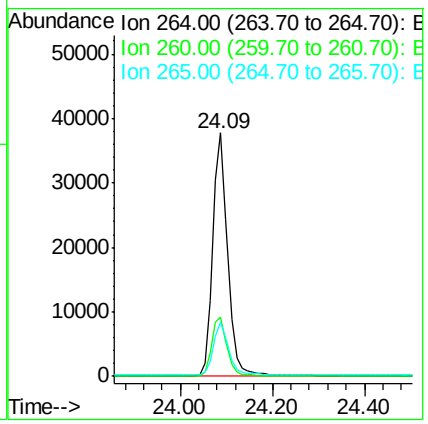




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:264 Resp: 85701

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	22.4	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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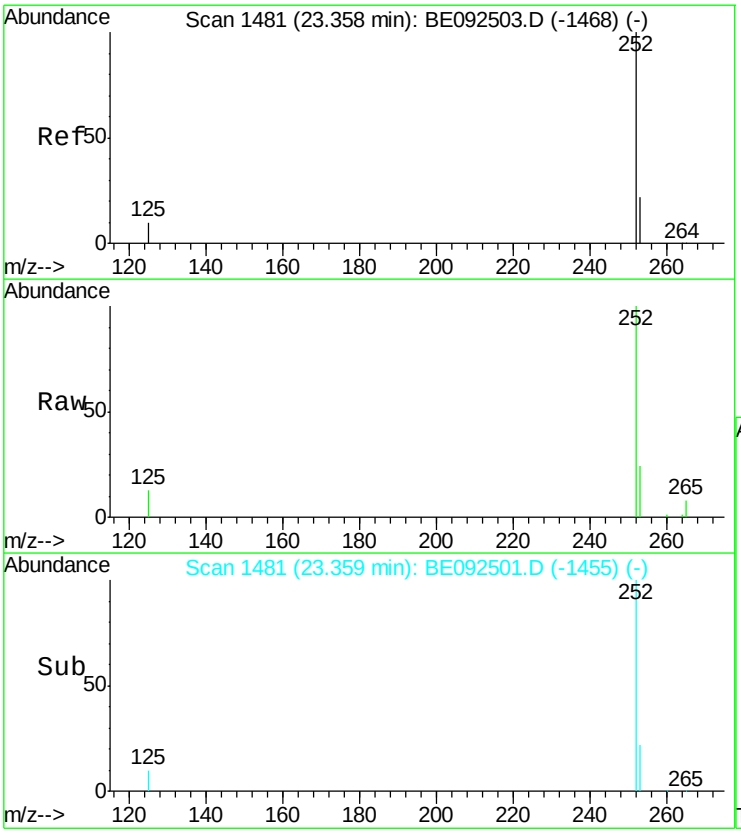
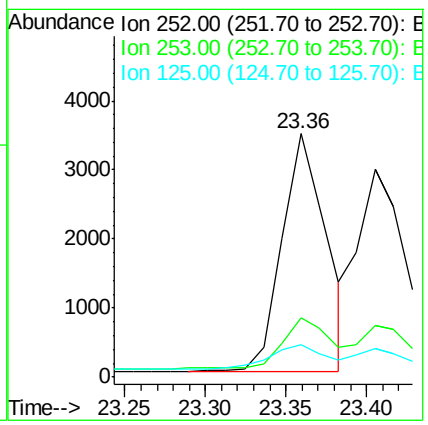
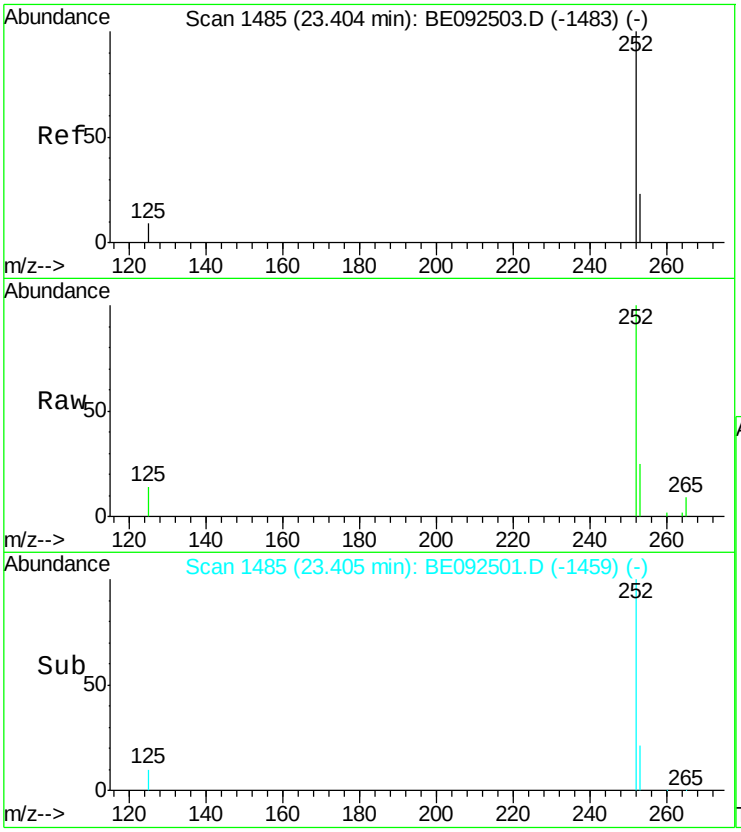


#32
Benzo(b)fluoranthene
Concen: 0.31 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:252 Resp: 6553

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.7	28.1
125	13.3	10.5	15.7

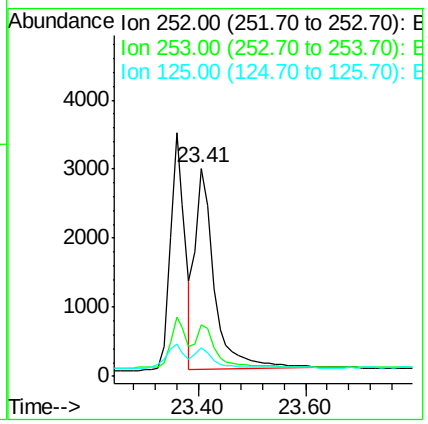




#33
Benzo(k)fluoranthene
Concen: 0.34 ng
RT: 23.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:252 Resp: 7180

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.3	30.5
125	13.9	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
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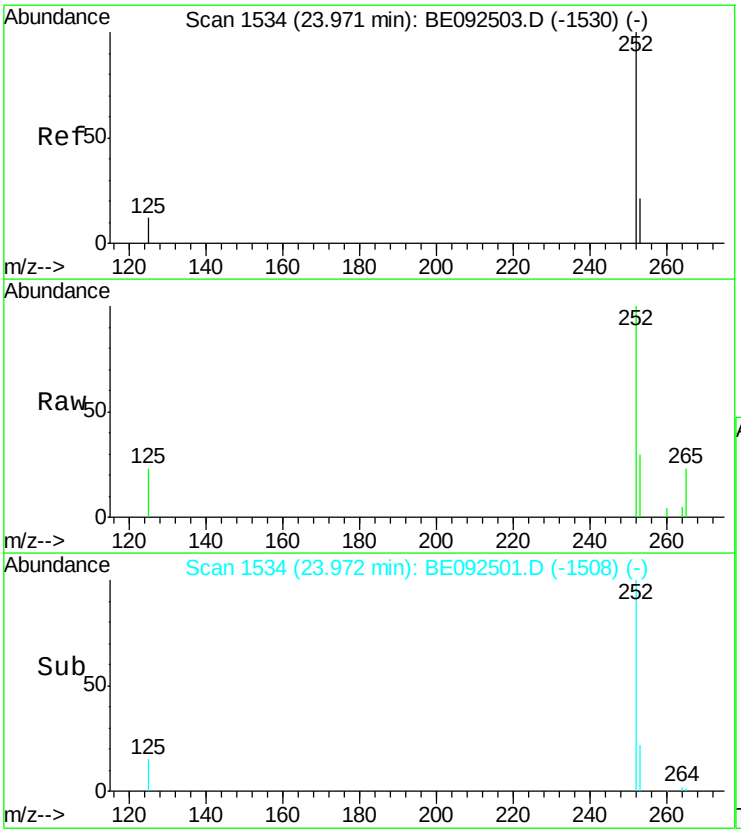
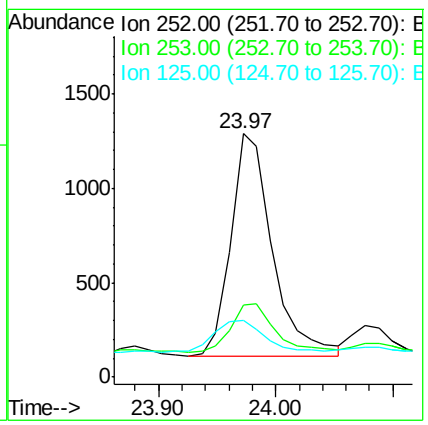
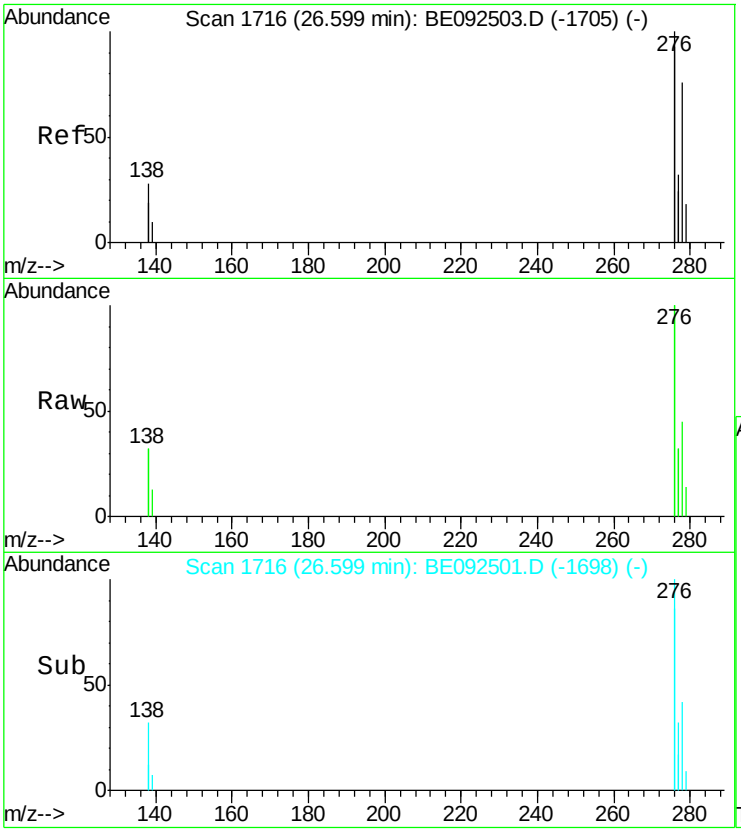


#34
Benzo(a)pyrene
Concen: 0.15 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:252 Resp: 2909

Ion	Ratio	Lower	Upper
252	100		
253	29.8	19.0	28.6#
125	23.3	11.8	17.8#

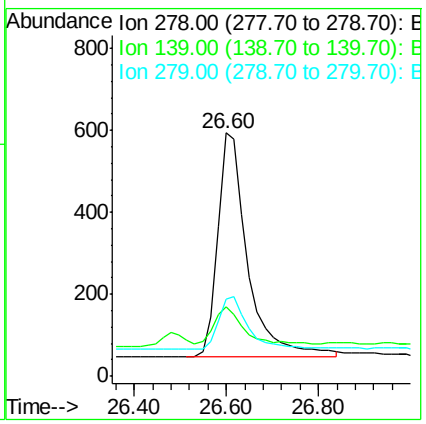




#35
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:278 Resp: 2490

Ion	Ratio	Lower	Upper
278	100		
139	28.5	13.8	20.8#
279	31.8	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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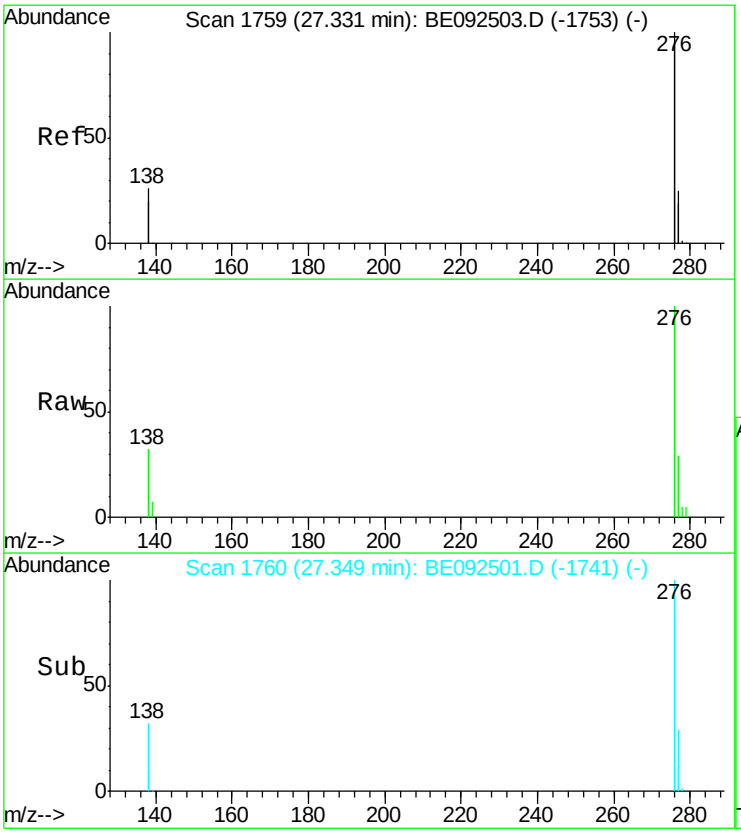

#36
Benzo(g,h,i)perylene
Concen: 0.13 ng
RT: 27.35 min Scan# 1760
Delta R.T. 0.02 min
Lab File: BE092501.D
Acq: 8 Nov 2016 10:15

Tgt Ion:276 Resp: 10362

Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.8	29.8
138	31.9	19.8	29.6#