Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121916\
Data File : BE092601.D
Acq On : 19 Dec 2016 10:37
Operator : UM/SJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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Quant Time: Dec 19 15:26:35 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 14:52:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10006	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	49910	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	35351	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	75974	5.00	ng		0.00
24) Chrysene-d12	21.72	240	98049	5.00	ng		0.00
31) Perylene-d12	24.07	264	91361	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	239m	0.14	ng		0.01
5) Phenol-d6	7.40	99	304	0.14	ng		0.02
8) Nitrobenzene-d5	9.38	82	390	0.14	ng		0.02
13) 2,4,6-Tribromophenol	16.31	330	122	0.15	ng		0.00
14) 2-Fluorobiphenyl	13.45	172	1483	0.17	ng		0.01
26) Terphenyl-d14	20.17	244	2072	0.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	307	0.23	ng		91
3) n-Nitrosodimethylamine	3.81	42	164	0.13	ng	#	1
6) bis(2-Chloroethyl)ether	7.61	93	326m	0.12	ng		
9) Naphthalene	10.97	128	1882	0.18	ng	#	89
10) Hexachlorobutadiene	11.26	225	297	0.19	ng		96
11) 2-Methylnaphthalene	12.65	142	1103	0.17	ng		97
15) Acenaphthylene	14.51	152	8783	0.18	ng		100
16) Acenaphthene	14.85	154	1556	0.19	ng		93
17) Fluorene	15.85	166	1760	0.18	ng		99
19) Hexachlorobenzene	16.87	284	568m	0.19	ng		
20) Pentachlorophenol	17.26	266	68	0.12	ng	#	80
21) Phenanthrene	17.58	178	3399	0.20	ng		96
22) Anthracene	17.69	178	2963	0.19	ng		99
23) Fluoranthene	19.59	202	14346	0.18	ng		99
25) Pyrene	19.95	202	15043	0.19	ng		100
27) Benzo(a)anthracene	21.70	228	16501m	0.18	ng		
28) Chrysene	21.75	228	18606m	0.22	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	1278	0.21	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.56	276	15545	0.17	ng		99
32) Benzo(b)fluoranthene	23.35	252	3499	0.16	ng		96
33) Benzo(k)fluoranthene	23.39	252	4028	0.17	ng		98
34) Benzo(a)pyrene	23.96	252	3283	0.16	ng		95
35) Dibenzo(a,h)anthracene	26.60	278	3087	0.15	ng	#	90
36) Benzo(g,h,i)perylene	27.33	276	14026	0.16	ng		93

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

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Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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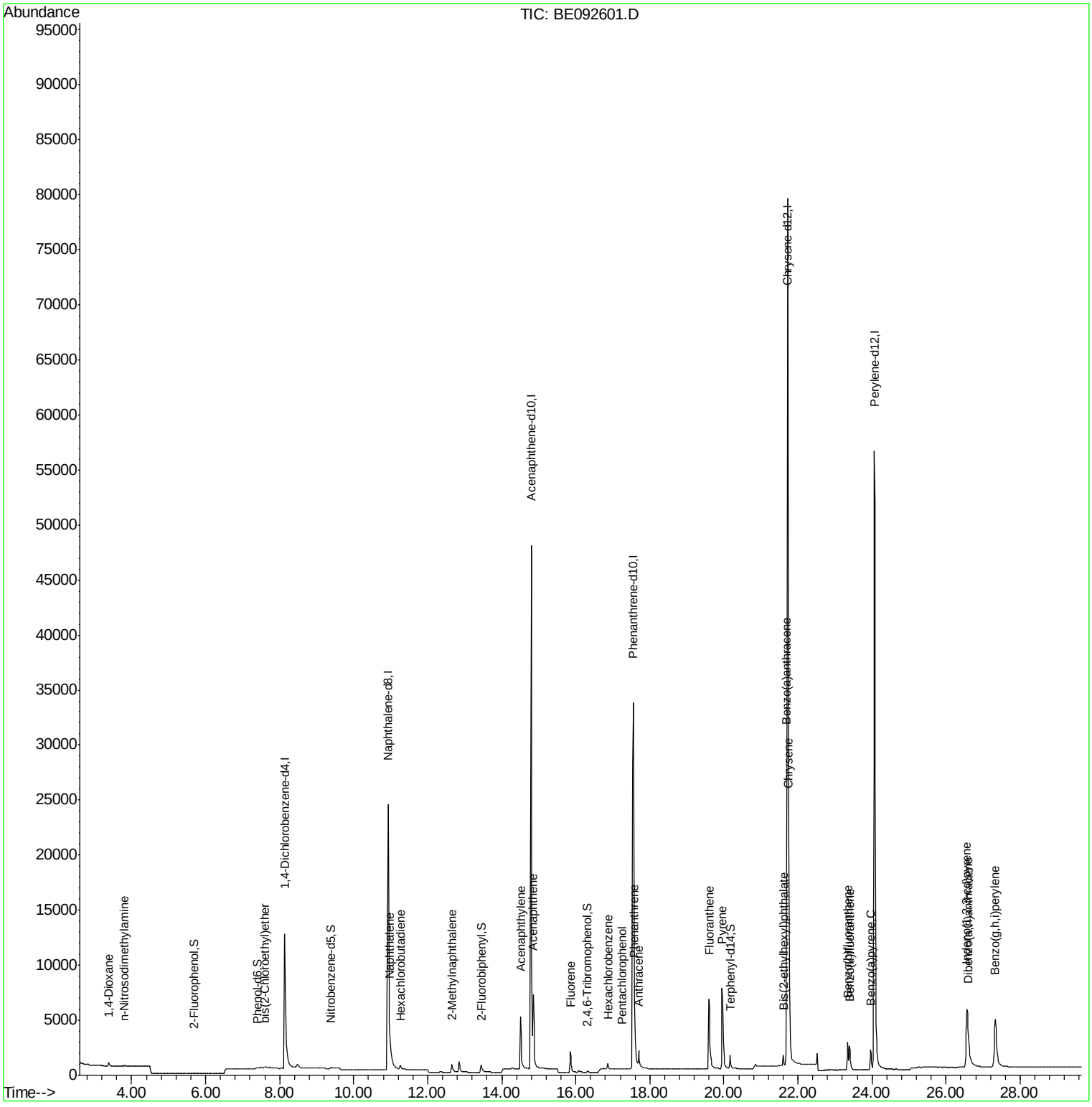
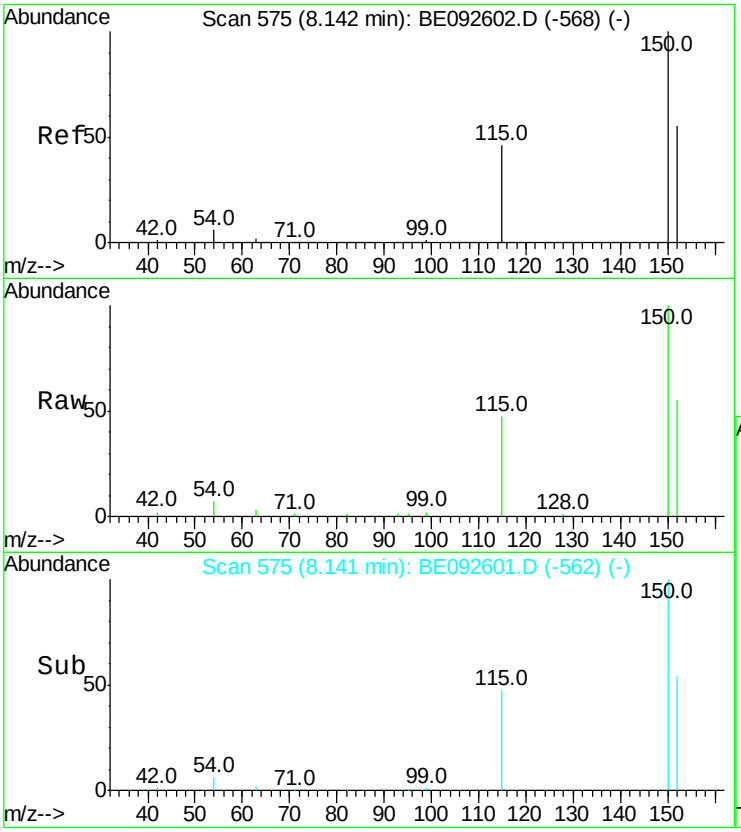
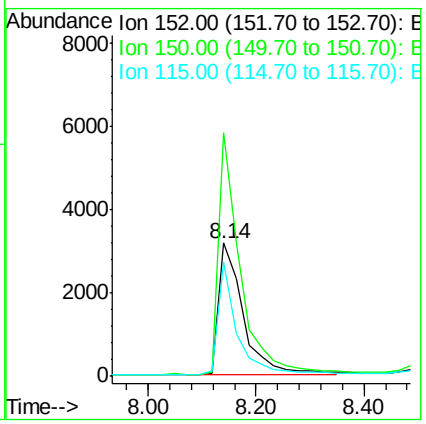




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:152 Resp: 10006

Ion	Ratio	Lower	Upper
152	100		
150	182.6	106.0	159.0#
115	86.1	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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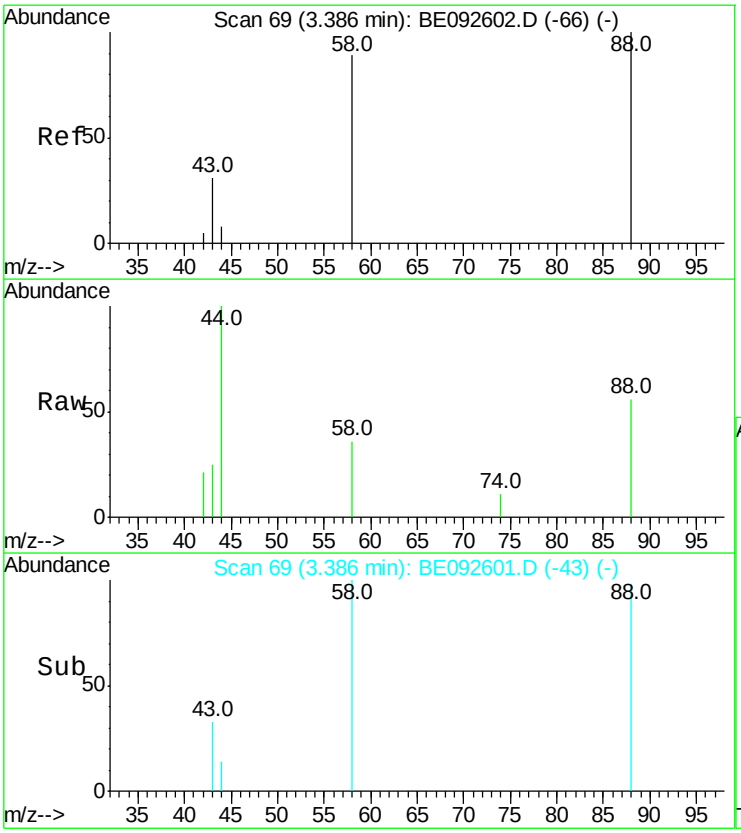
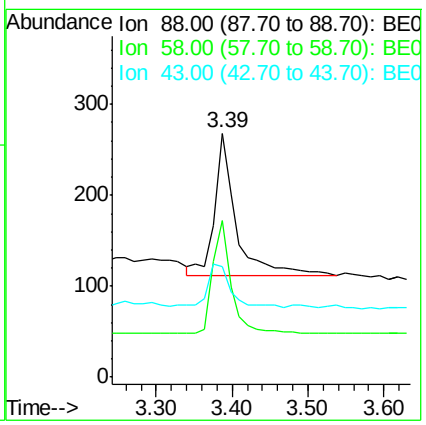
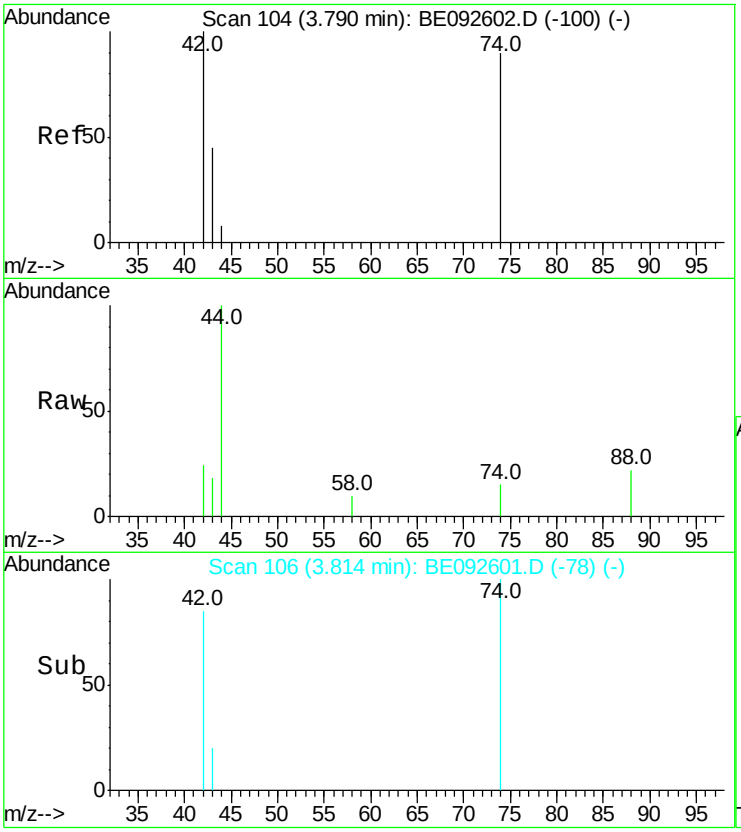


#2
1,4-Dioxane
Concen: 0.23 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion: 88 Resp: 307

Ion	Ratio	Lower	Upper
88	100		
58	68.4	63.6	95.4
43	35.2	28.0	42.0

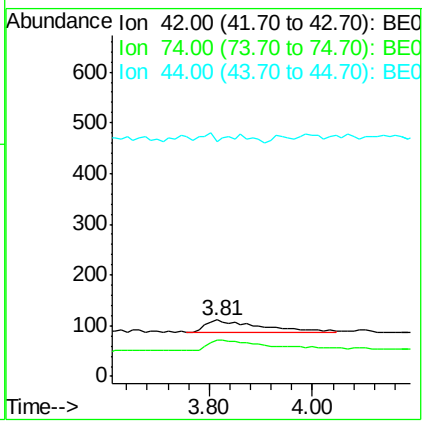




#3
n-Nitrosodimethylamine
Concen: 0.13 ng
RT: 3.81 min Scan# 106
Delta R.T. 0.02 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion: 42 Resp: 164

Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	15.2	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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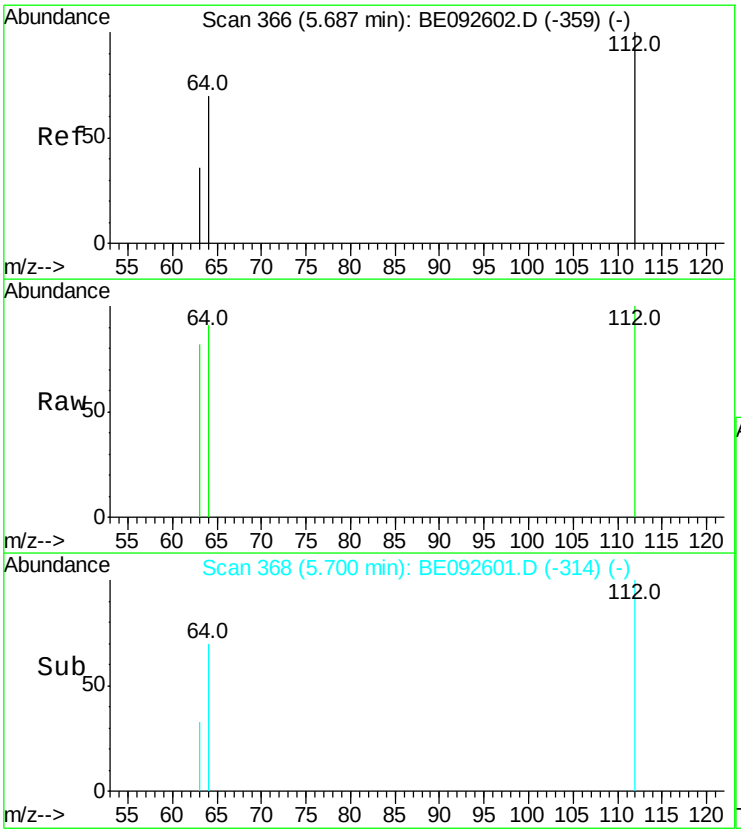
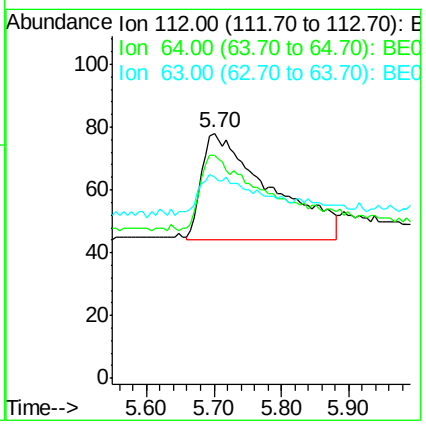
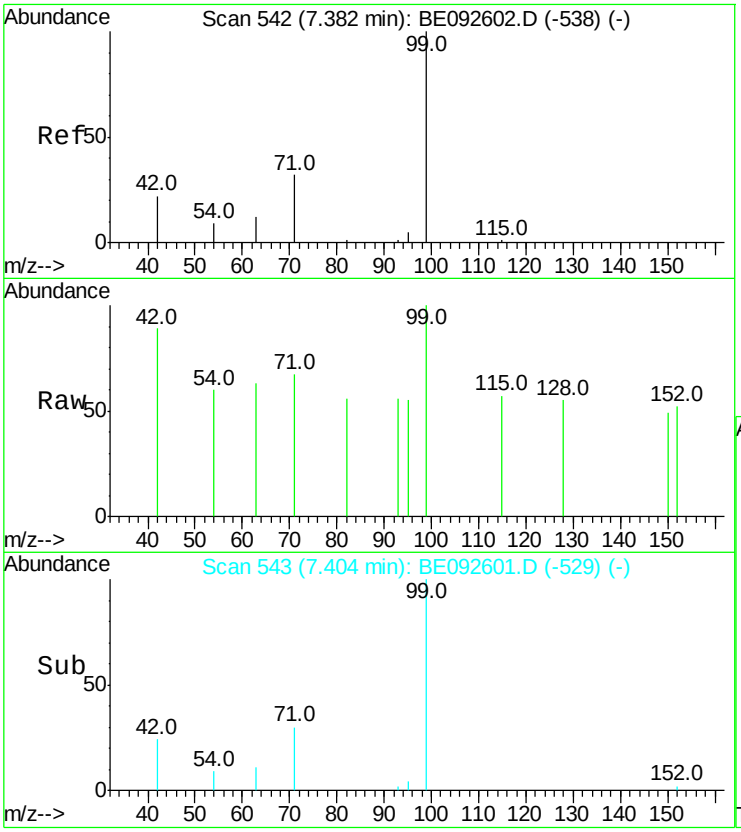


#4
2-Fluorophenol
Concen: 0.14 ng m
RT: 5.70 min Scan# 368
Delta R.T. 0.01 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:112 Resp: 239

Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.5	80.3
63	28.9	27.9	41.9

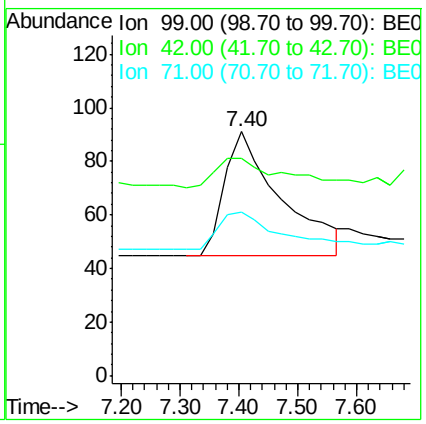




#5
Phenol-d6
Concen: 0.14 ng
RT: 7.40 min Scan# 543
Delta R.T. 0.02 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion: 99 Resp: 304

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	41.4	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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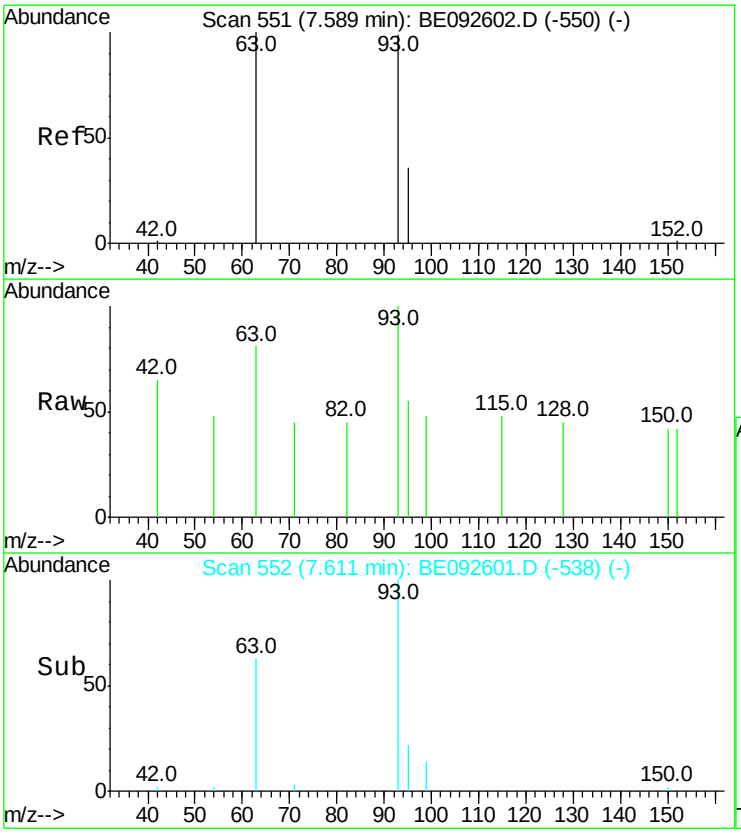
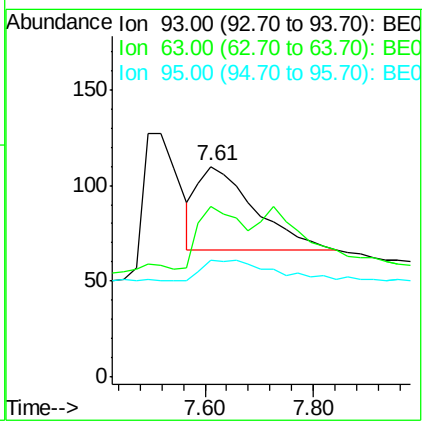
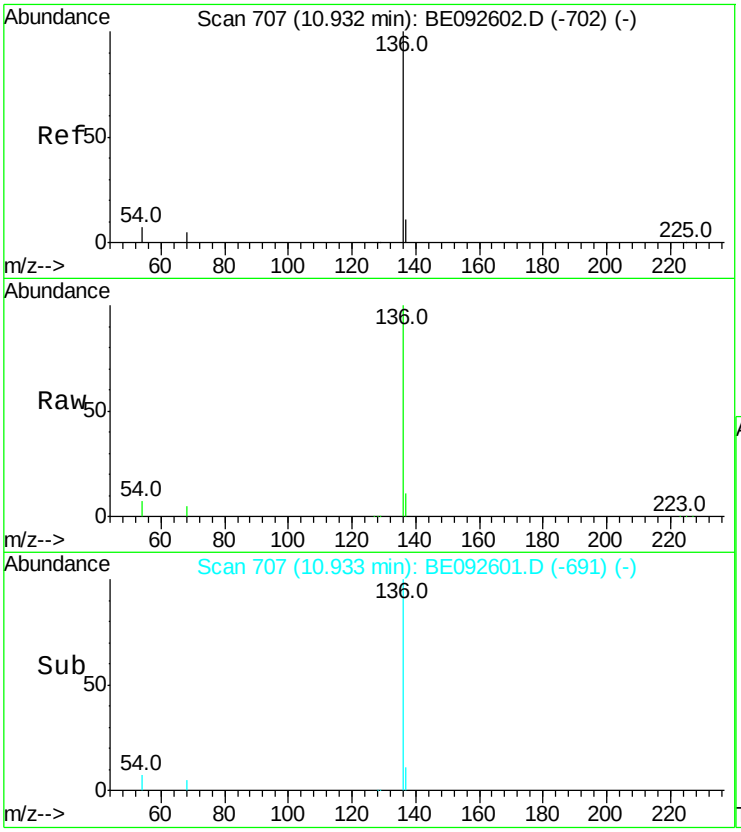


#6
bis(2-Chloroethyl)ether
Concen: 0.12 ng m
RT: 7.61 min Scan# 552
Delta R.T. 0.02 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion: 93 Resp: 326

Ion	Ratio	Lower	Upper
93	100		
63	3.7	71.6	107.4#
95	0.0	24.0	36.0#

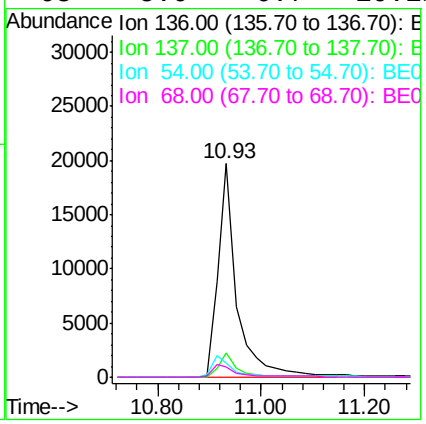




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:136 Resp: 49910

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	6.9	9.6	14.4#
68	5.0	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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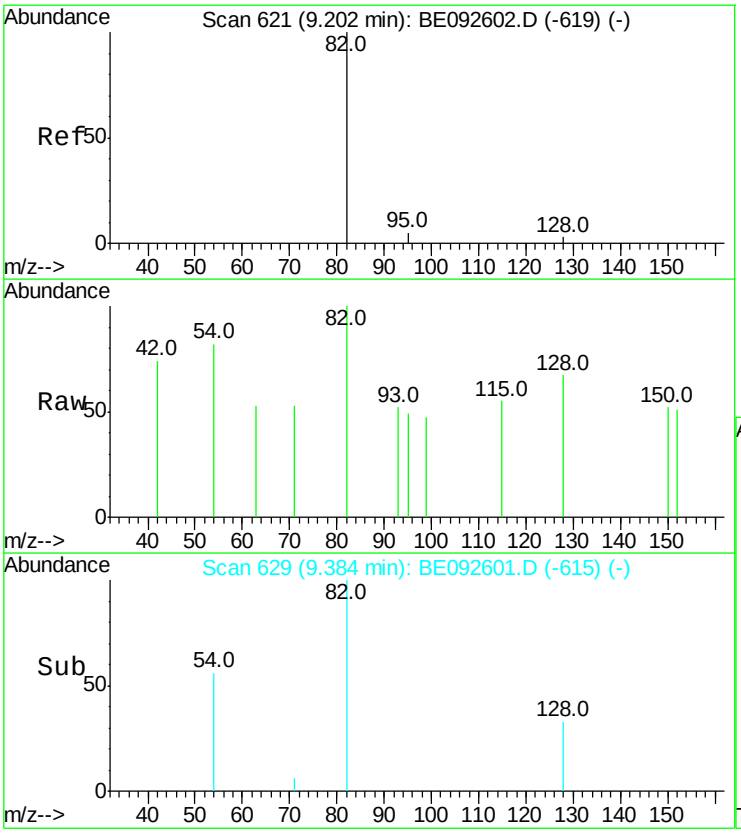
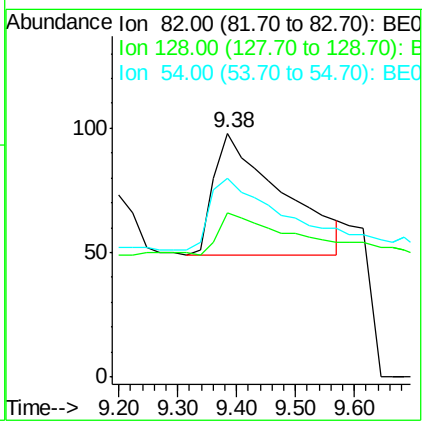
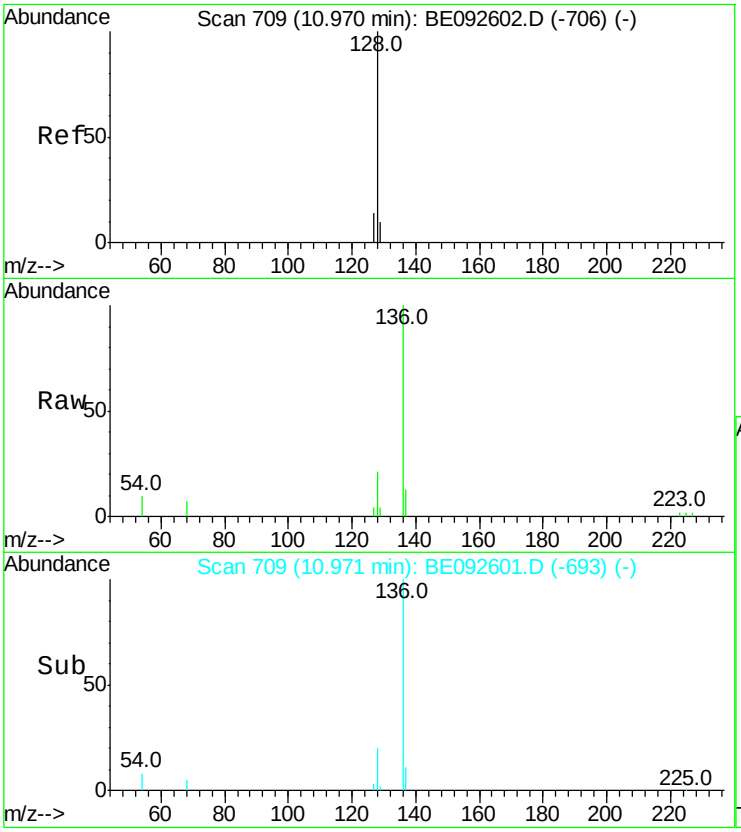


#8
Nitrobenzene-d5
Concen: 0.14 ng
RT: 9.38 min Scan# 629
Delta R.T. 0.02 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion: 82 Resp: 390

Ion	Ratio	Lower	Upper
82	100		
128	67.3	39.0	58.4#
54	81.6	44.8	67.2#

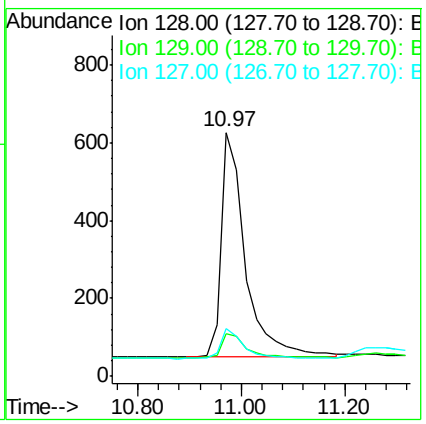




#9
Naphthalene
Concen: 0.18 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:128 Resp: 1882

Ion	Ratio	Lower	Upper
128	100		
129	17.4	11.2	16.8#
127	19.8	11.6	17.4#



Instrument :
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ClientSampleId :
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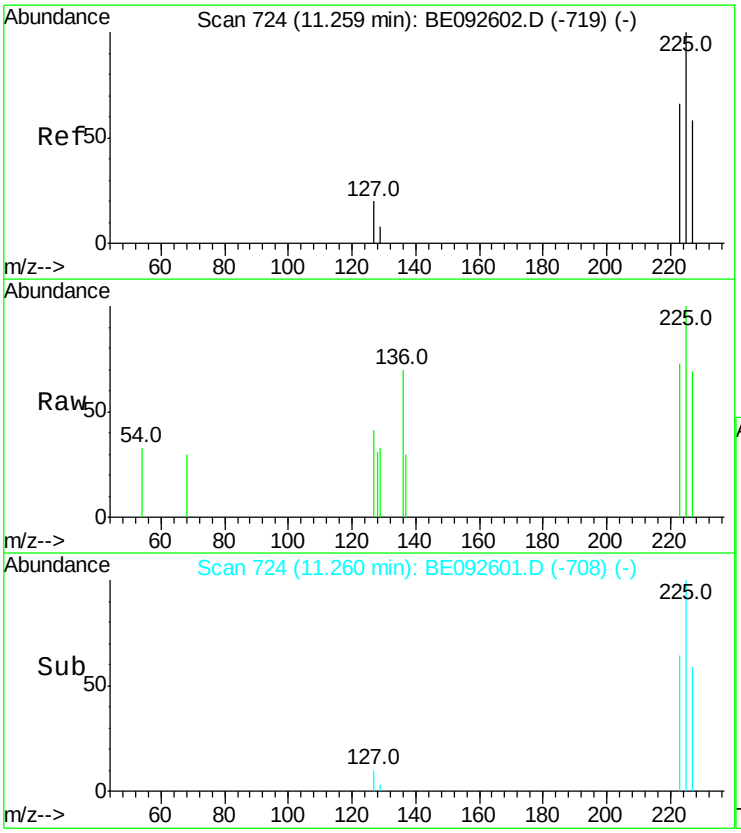
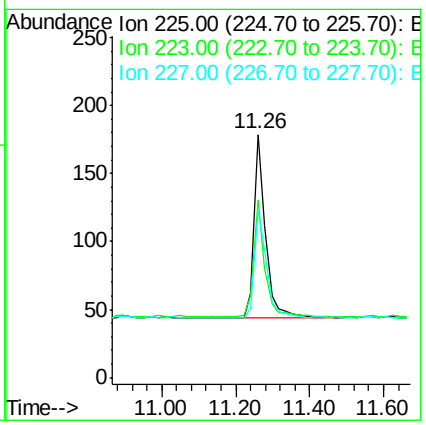
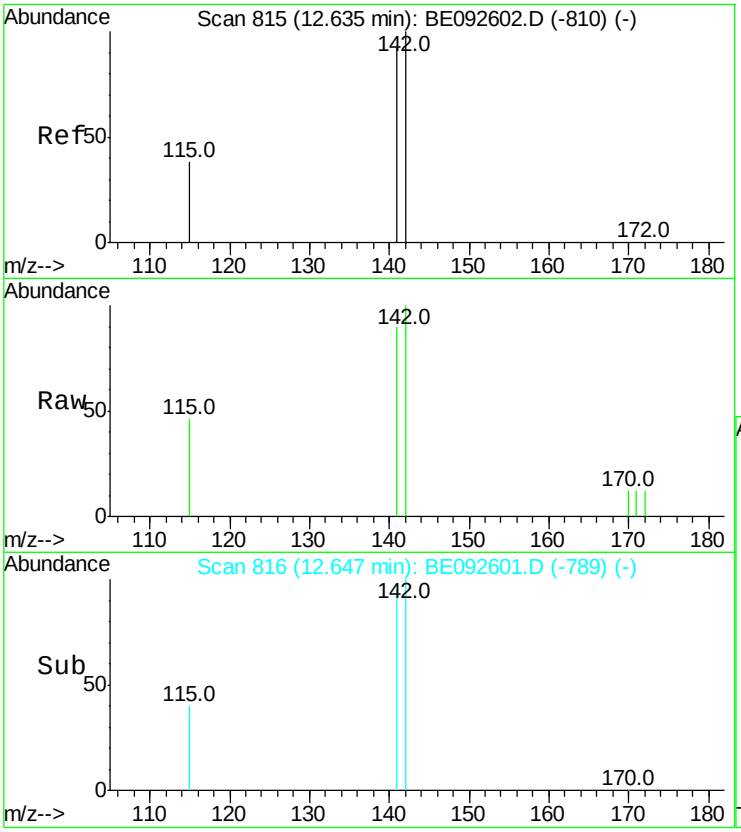


#10
Hexachlorobutadiene
Concen: 0.19 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:225 Resp: 297

Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.6	76.0
227	61.3	51.4	77.0

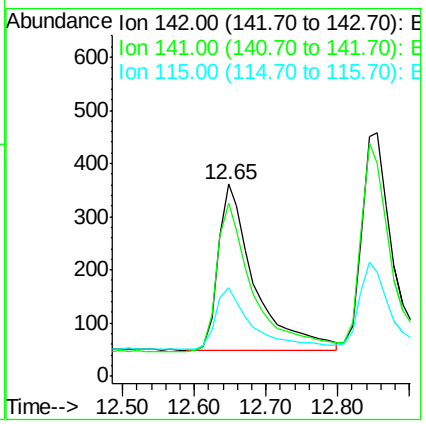




#11
2-Methylnaphthalene
Concen: 0.17 ng
RT: 12.65 min Scan# 816
Delta R.T. 0.01 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:142 Resp: 1103

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.7	110.5
115	46.3	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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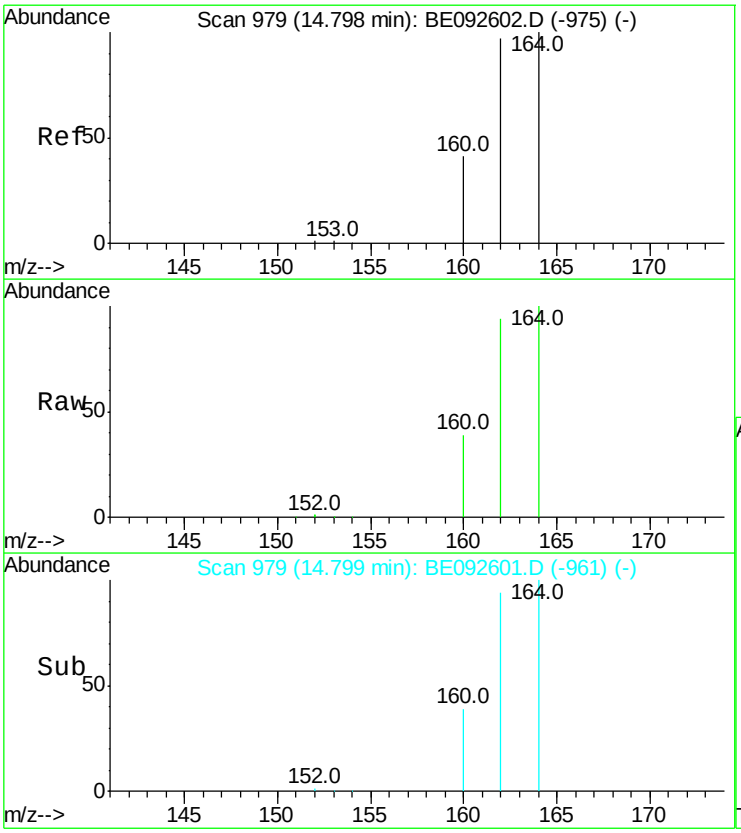
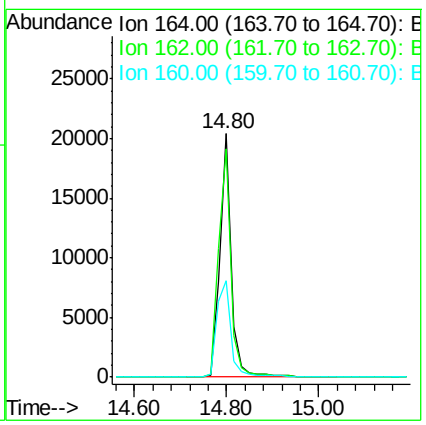
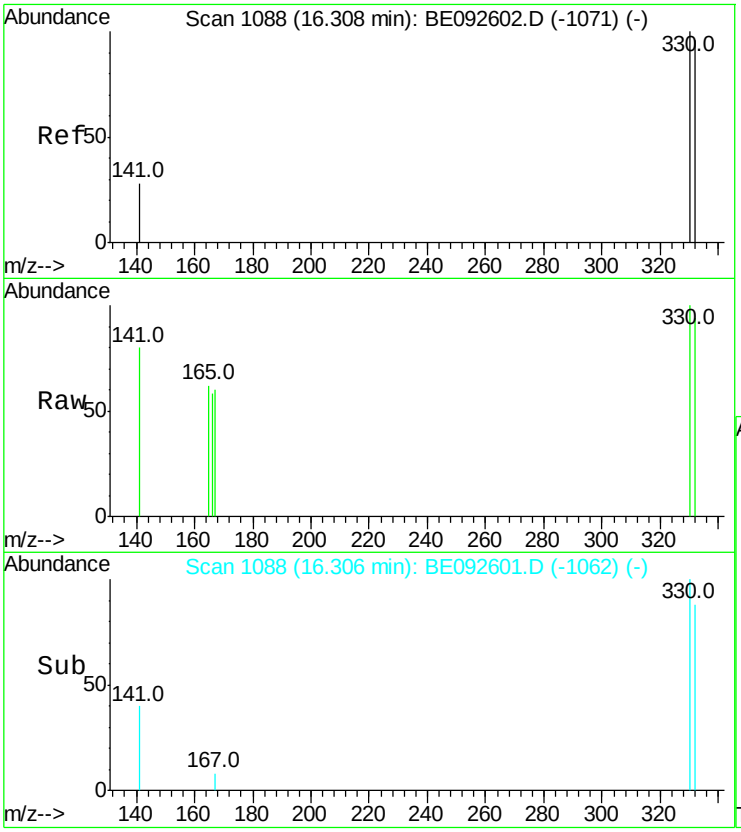


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:164 Resp: 35351

Ion	Ratio	Lower	Upper
164	100		
162	94.0	71.4	107.0
160	39.4	27.4	41.2

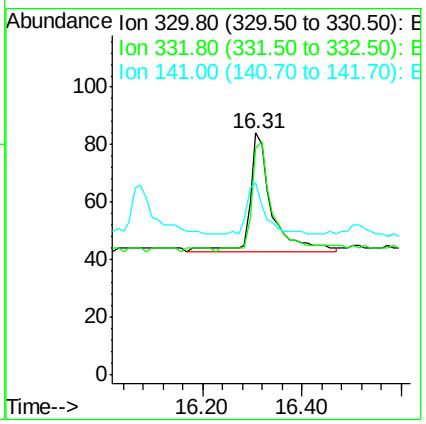




#13
2,4,6-Tribromophenol
Concen: 0.15 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:330 Resp: 122

Ion	Ratio	Lower	Upper
330	100		
332	88.5	75.4	113.0
141	36.9	31.0	46.6



Instrument :
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ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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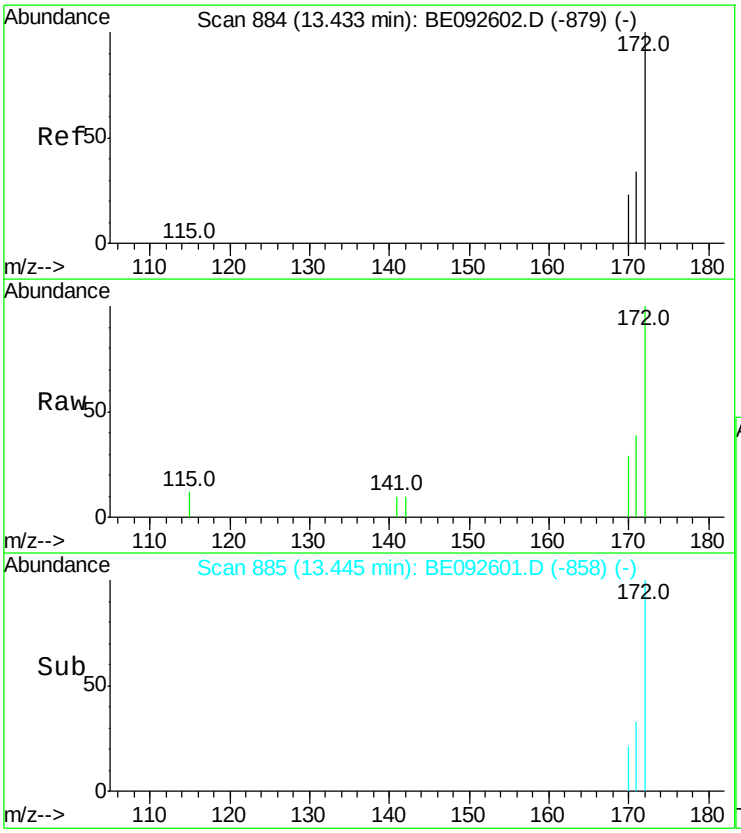
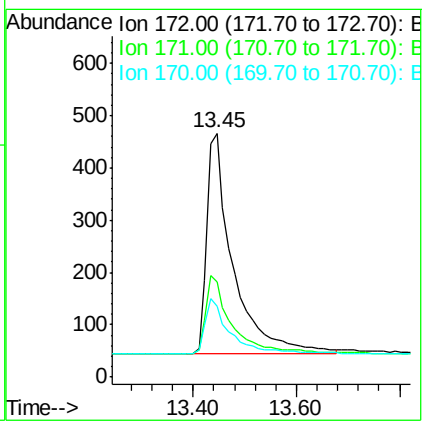
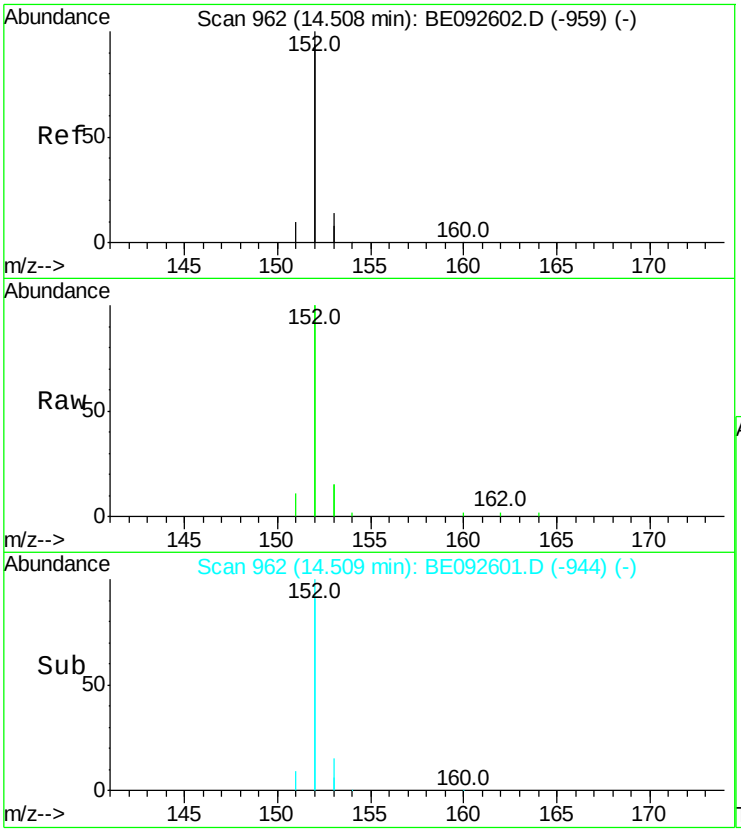


#14
2-Fluorobiphenyl
Concen: 0.17 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.01 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:172 Resp: 1483

Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.1	45.1
170	29.0	21.8	32.6

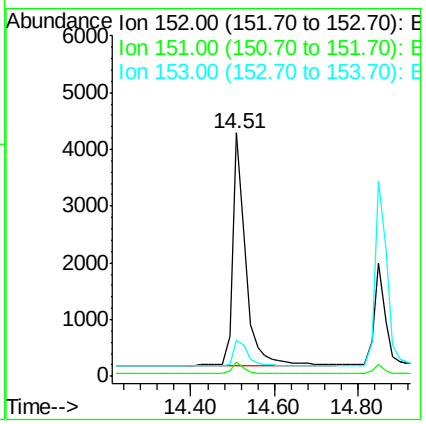




#15
Acenaphthylene
Concen: 0.18 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:152 Resp: 8783

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.9	5.9
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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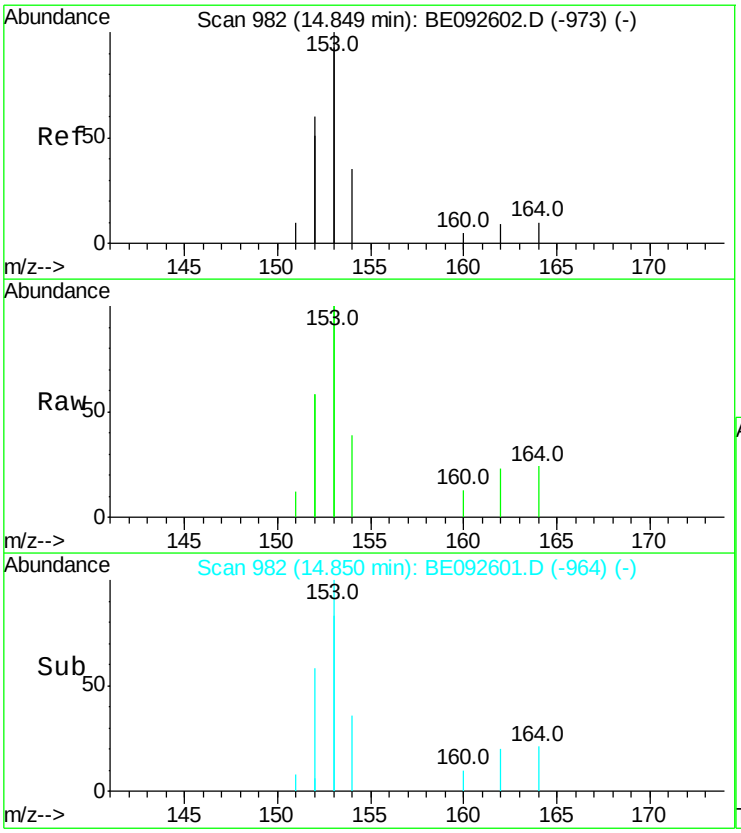
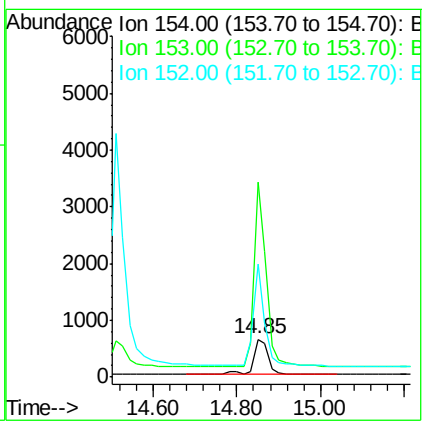
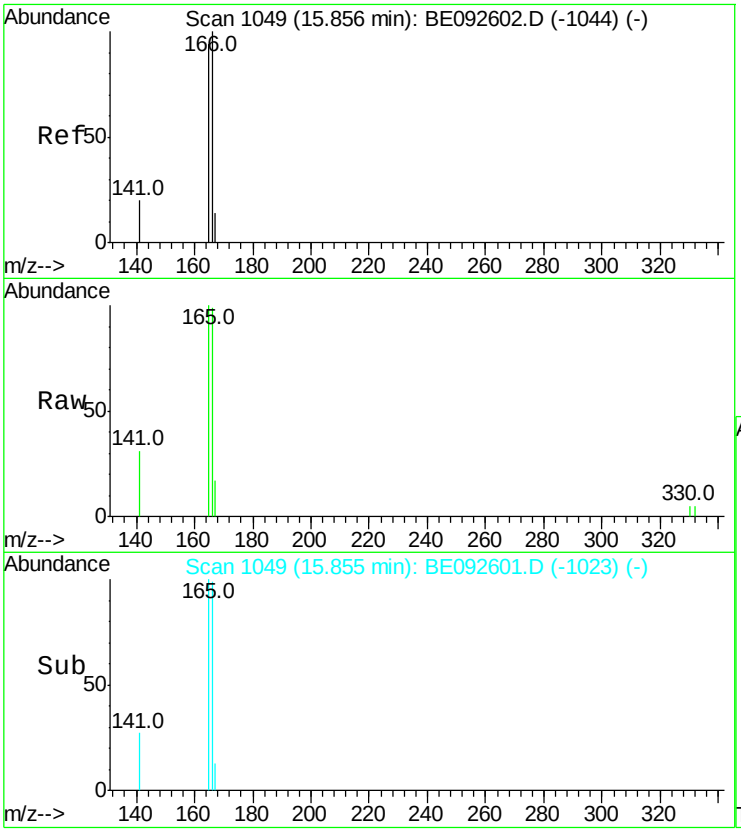


#16
Acenaphthene
Concen: 0.19 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:154 Resp: 1556

Ion	Ratio	Lower	Upper
154	100		
153	416.8	350.8	526.2
152	219.2	171.1	256.7

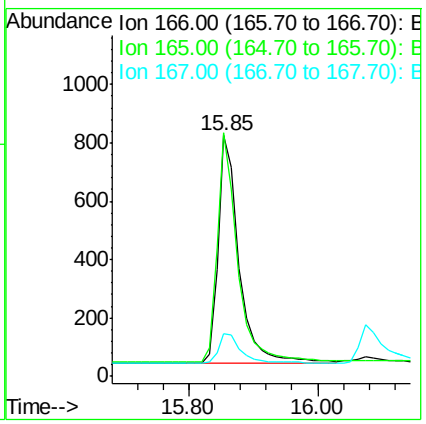




#17
Fluorene
Concen: 0.18 ng
RT: 15.85 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:166 Resp: 1760

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.2	117.4
167	13.2	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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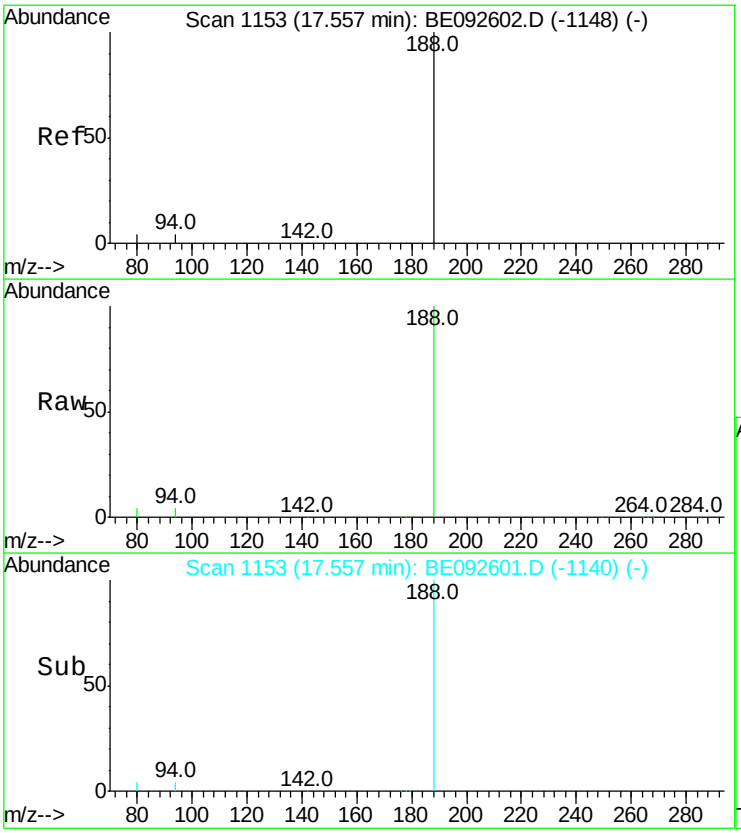
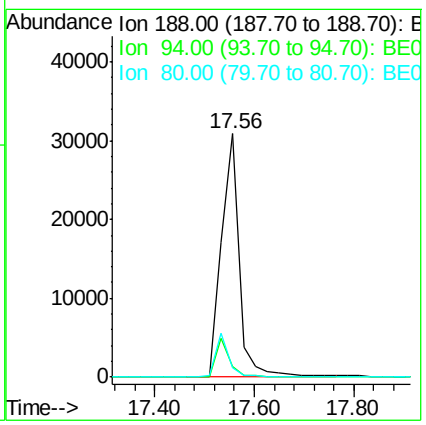
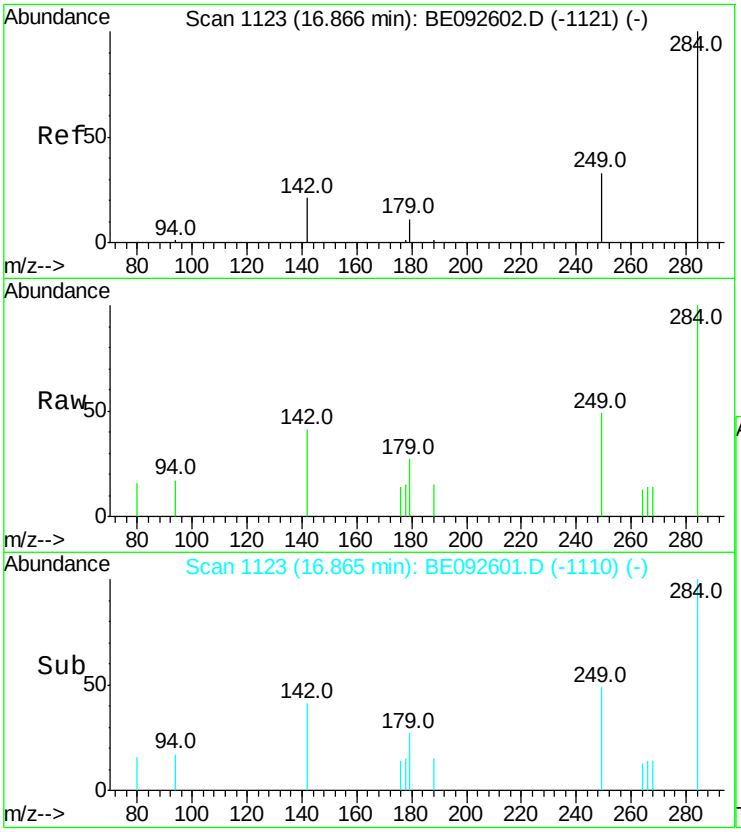


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:188 Resp: 75974

Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.2	4.8
80	3.7	2.6	3.8





#19
Hexachlorobenzene
Concen: 0.19 ng m
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:284 Resp: 568

Ion	Ratio	Lower	Upper
284	100		
142	50.5	29.1	43.7#
249	66.4	27.9	41.9#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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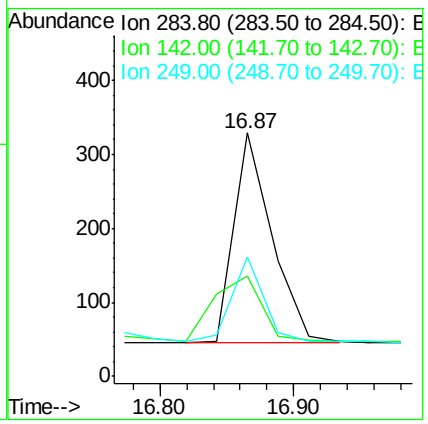
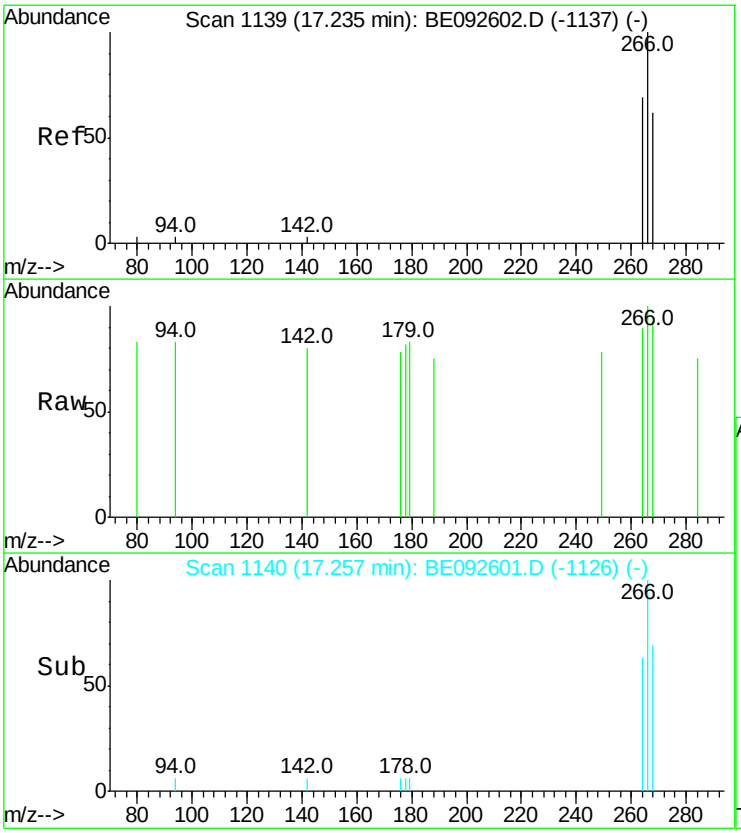
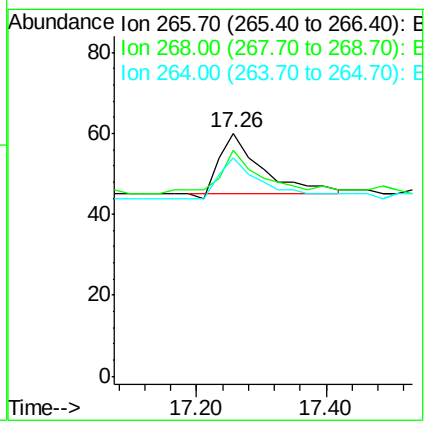


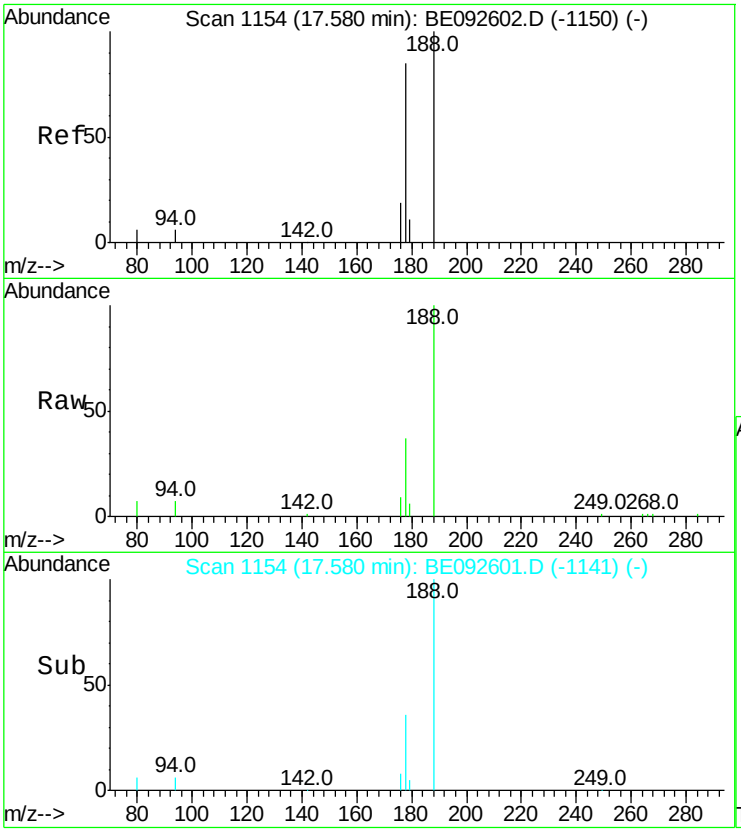


#20
Pentachlorophenol
Concen: 0.12 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:266 Resp: 68

Ion	Ratio	Lower	Upper
266	100		
268	93.3	62.5	93.7
264	90.0	57.2	85.8#

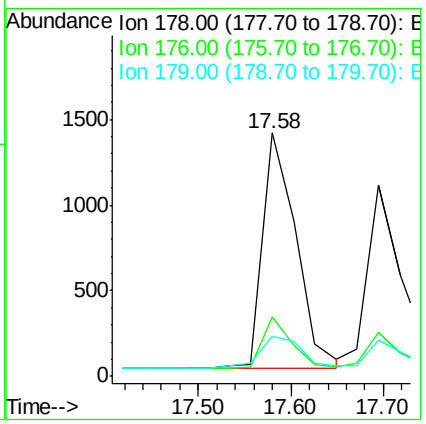




#21
Phenanthrene
Concen: 0.20 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:178 Resp: 3399

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.7	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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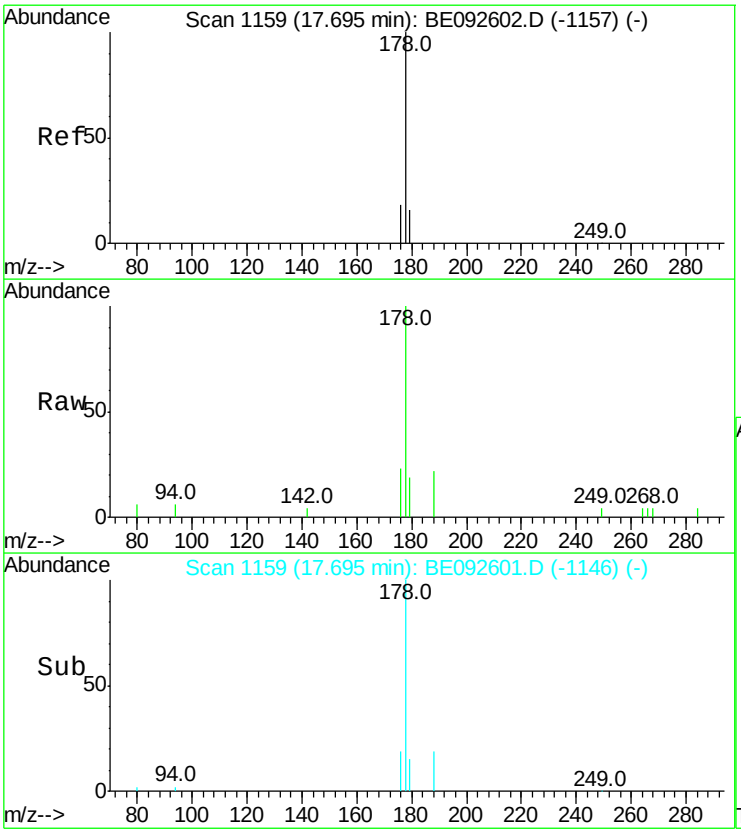
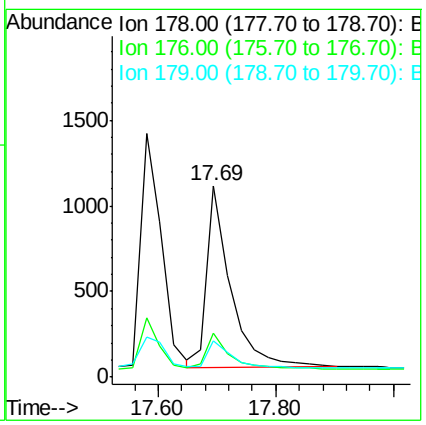
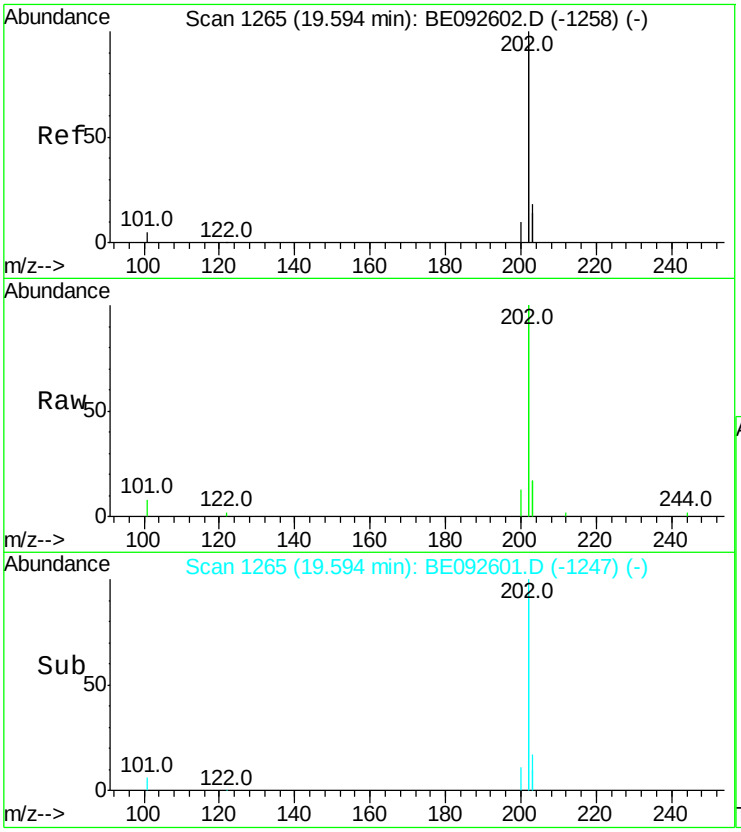


#22
Anthracene
Concen: 0.19 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:178 Resp: 2963

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.1	12.2	18.2

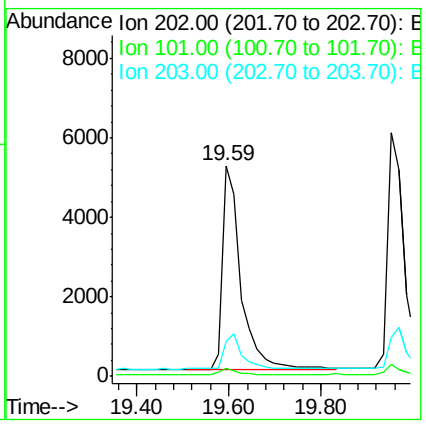




#23
Fluoranthene
Concen: 0.18 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:202 Resp: 14346

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.6	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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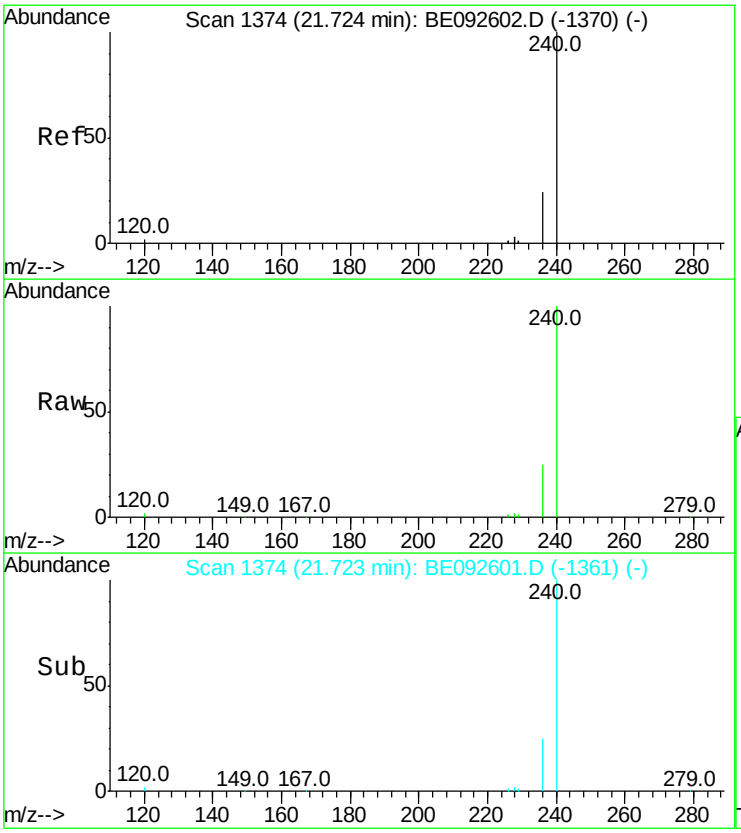
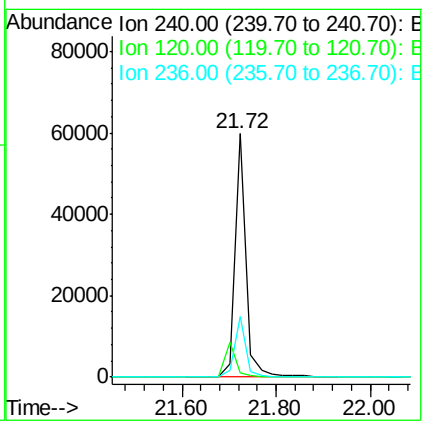
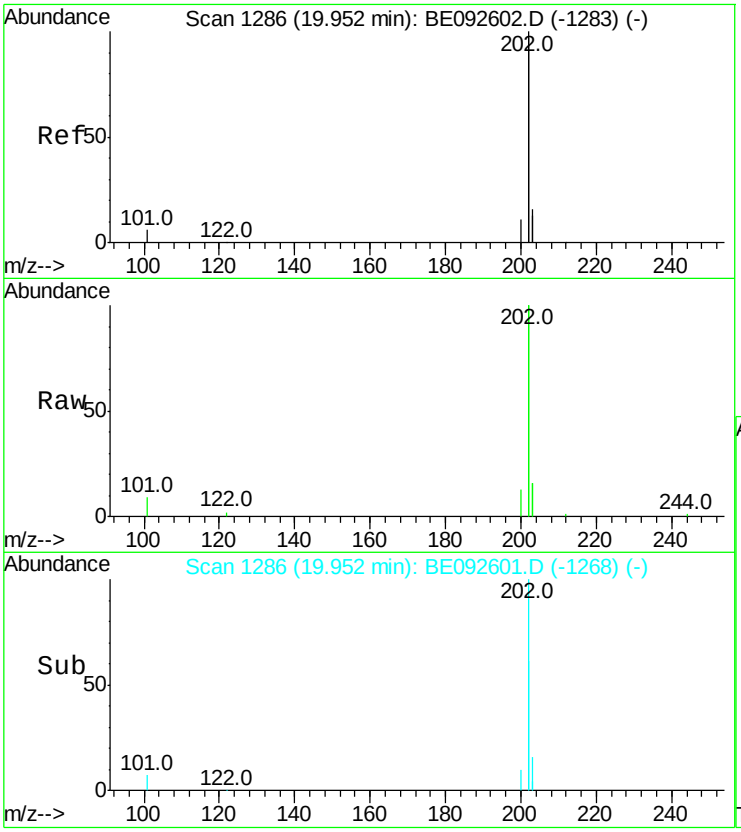


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:240 Resp: 98049

Ion	Ratio	Lower	Upper
240	100		
120	1.8	2.6	4.0#
236	25.1	24.6	37.0





#25
Pyrene
Concen: 0.19 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:202 Resp: 15043

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.5	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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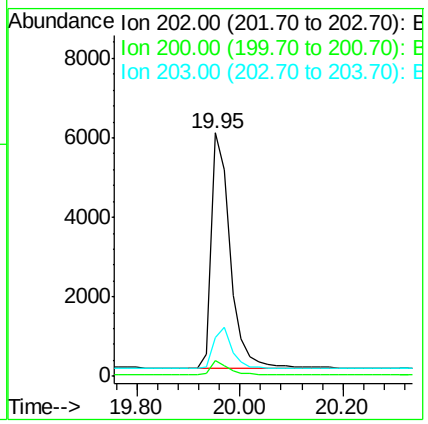
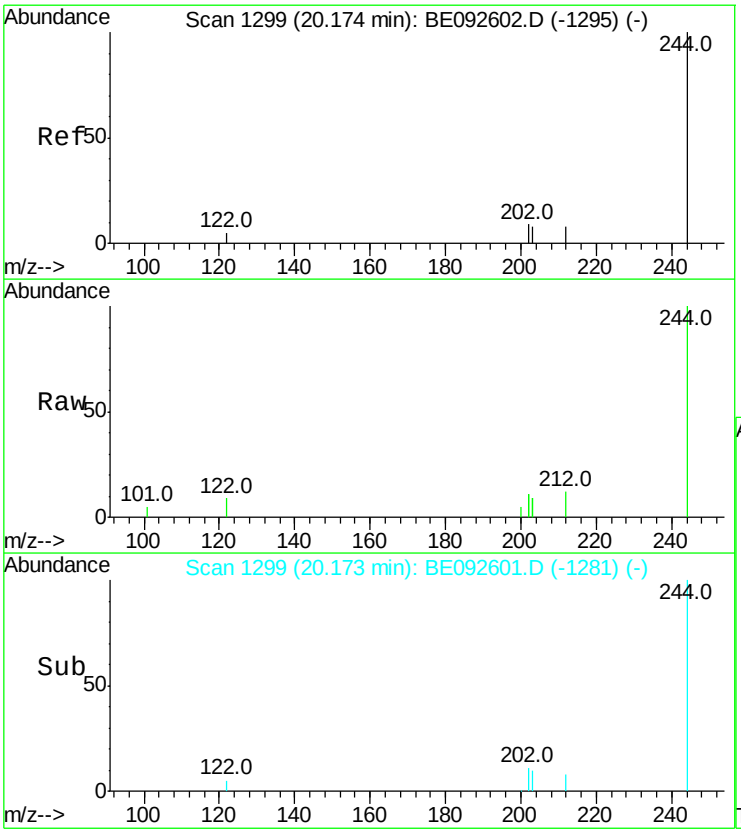
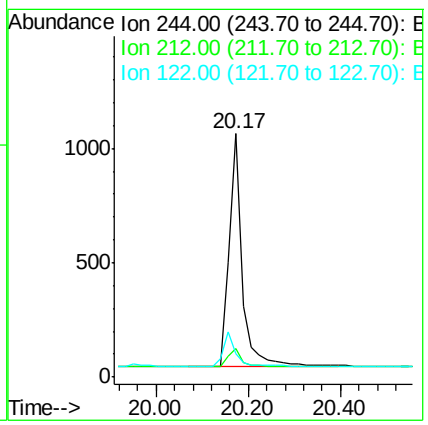


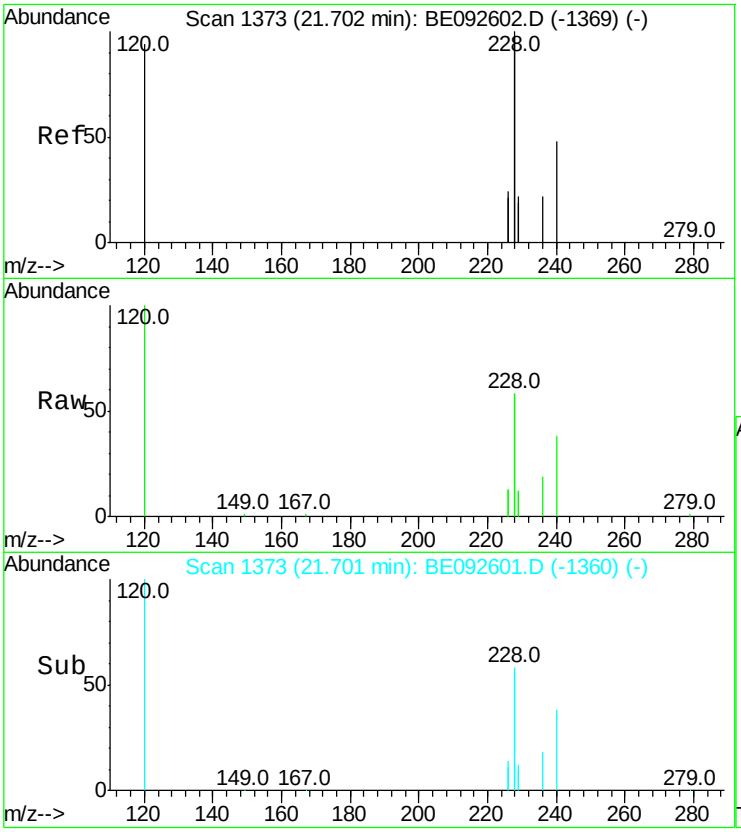


#26
Terphenyl-d14
Concen: 0.18 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:244 Resp: 2072

Ion	Ratio	Lower	Upper
244	100		
212	11.7	6.7	10.1#
122	9.4	3.6	5.4#





#27
Benzo(a)anthracene
Concen: 0.18 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:228 Resp: 16501

Ion	Ratio	Lower	Upper
228	100		
226	23.4	23.6	35.4#
229	20.9	13.3	19.9#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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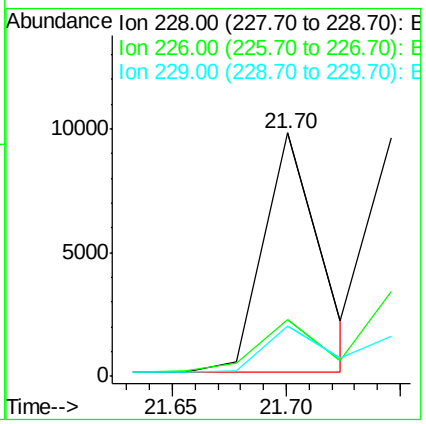
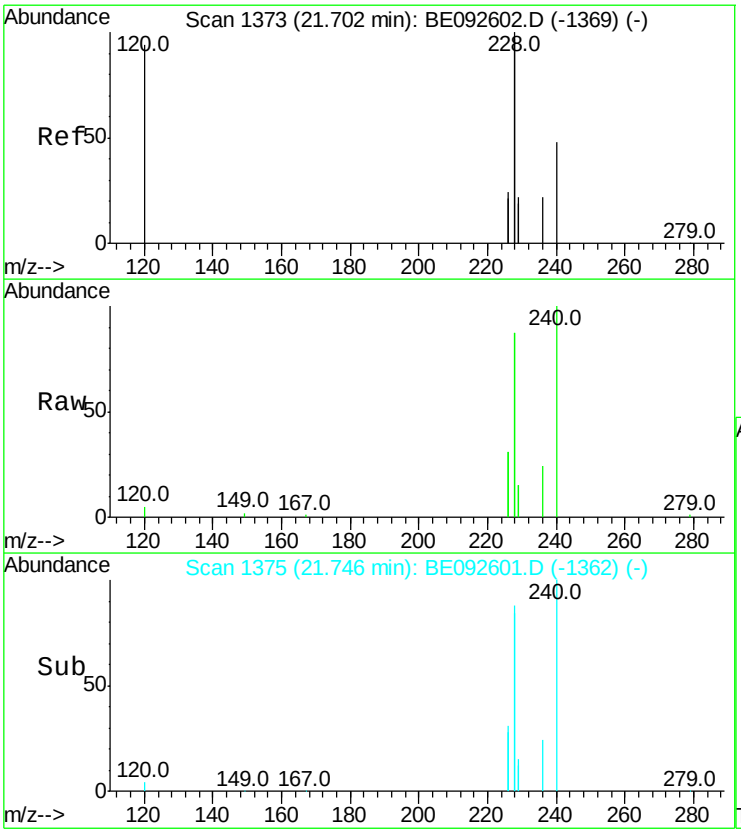
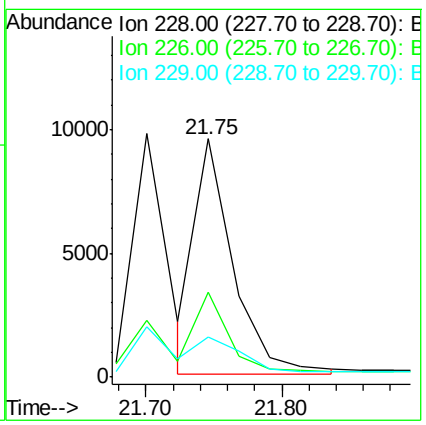


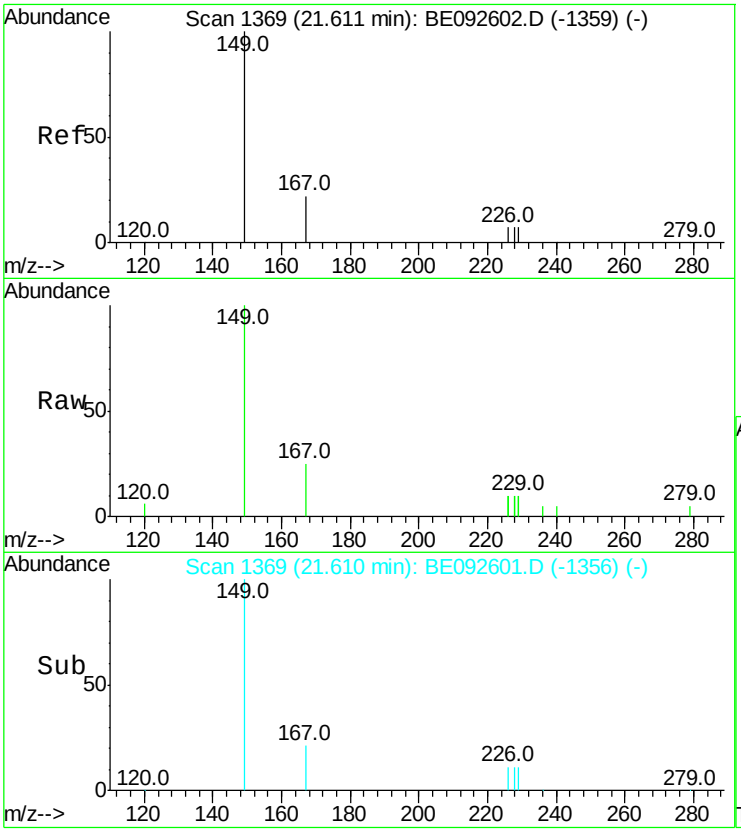


#28
Chrysene
Concen: 0.22 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:228 Resp: 18606

Ion	Ratio	Lower	Upper
228	100		
226	35.5	36.3	54.5#
229	17.1	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.21 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:149 Resp: 1278

Ion	Ratio	Lower	Upper
149	100		
167	22.1	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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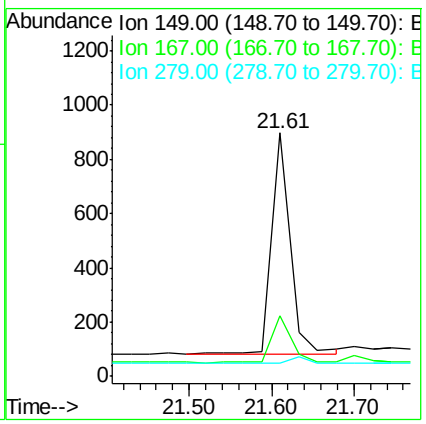
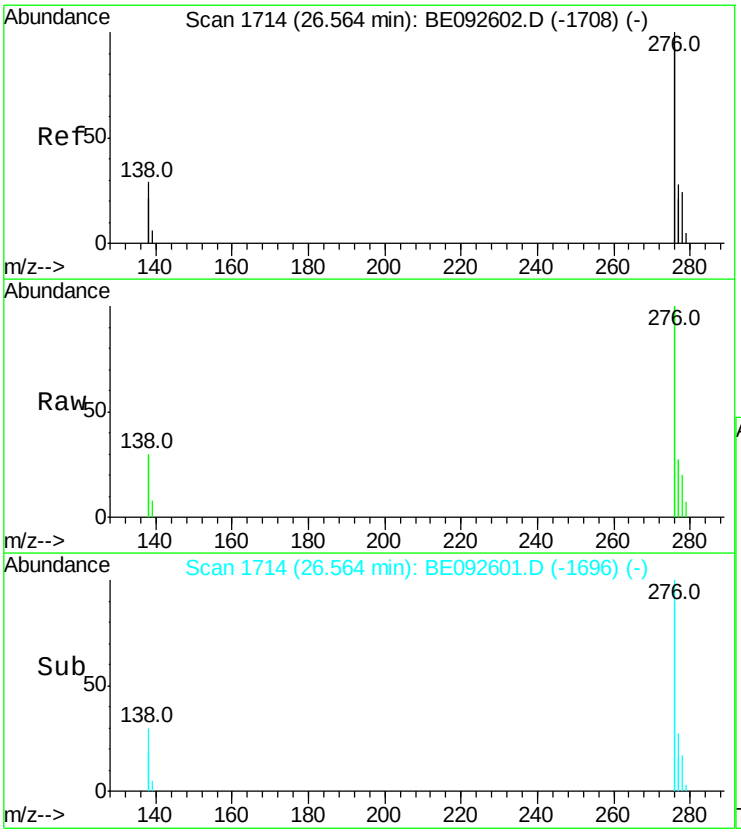
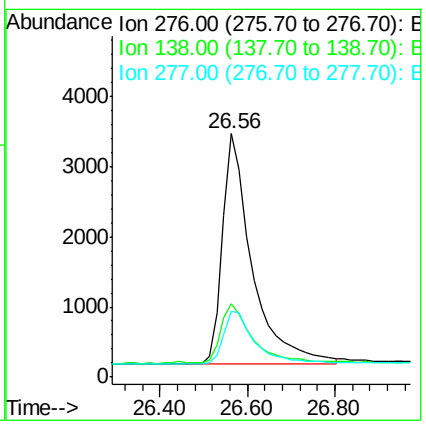


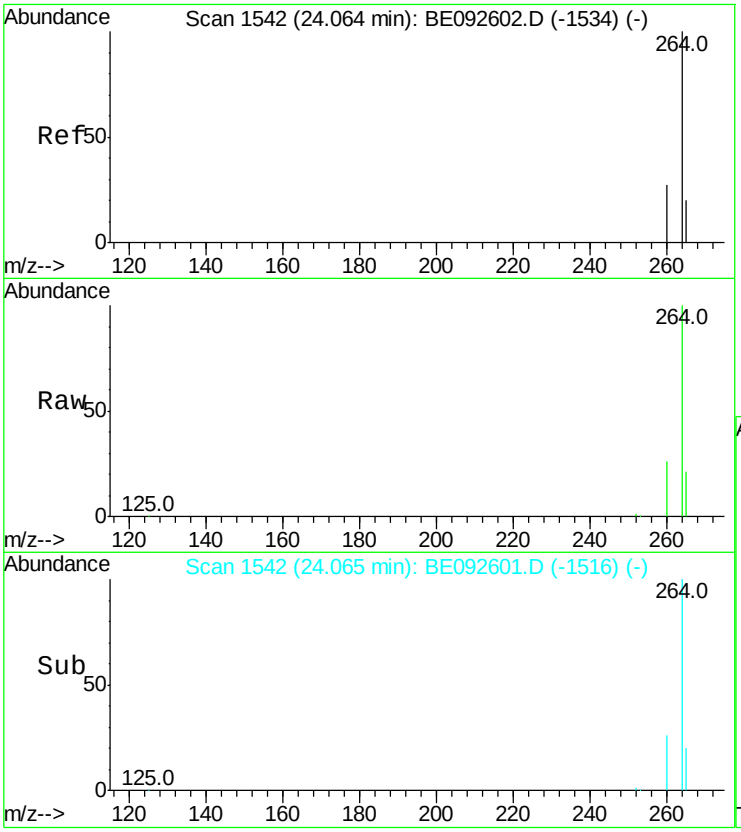


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:276 Resp: 15545

Ion	Ratio	Lower	Upper
276	100		
138	26.5	20.3	30.5
277	24.5	19.7	29.5

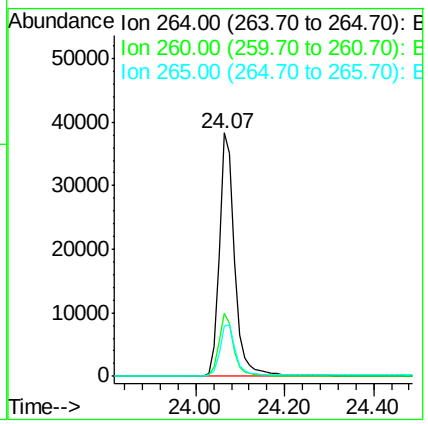




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.07 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:264 Resp: 91361

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.1	30.1
265	20.6	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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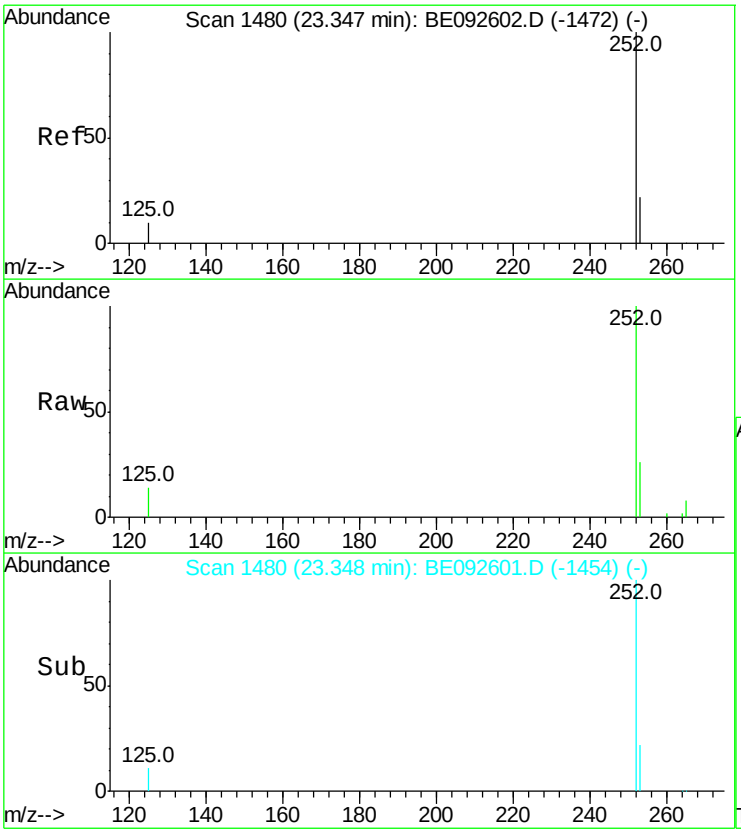
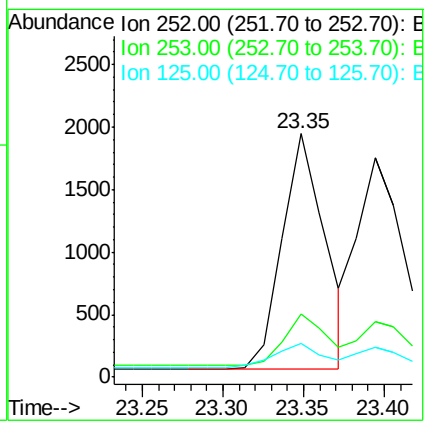
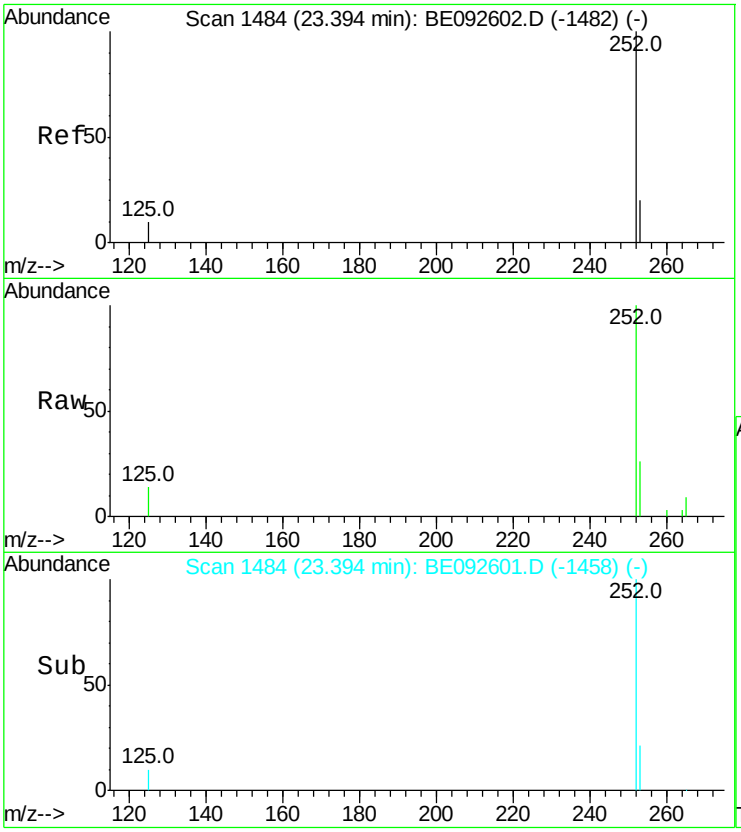


#32
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 23.35 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:252 Resp: 3499

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.7	28.1
125	13.8	10.5	15.7

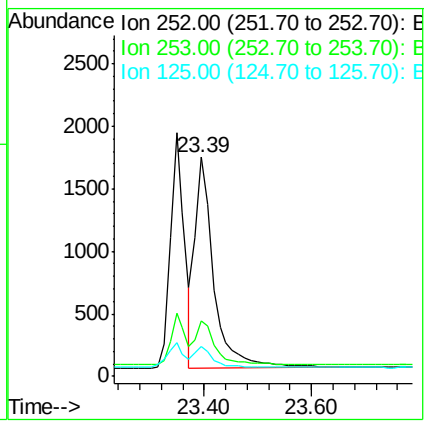




#33
Benzo(k)fluoranthene
Concen: 0.17 ng
RT: 23.39 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:252 Resp: 4028

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.3	30.5
125	13.9	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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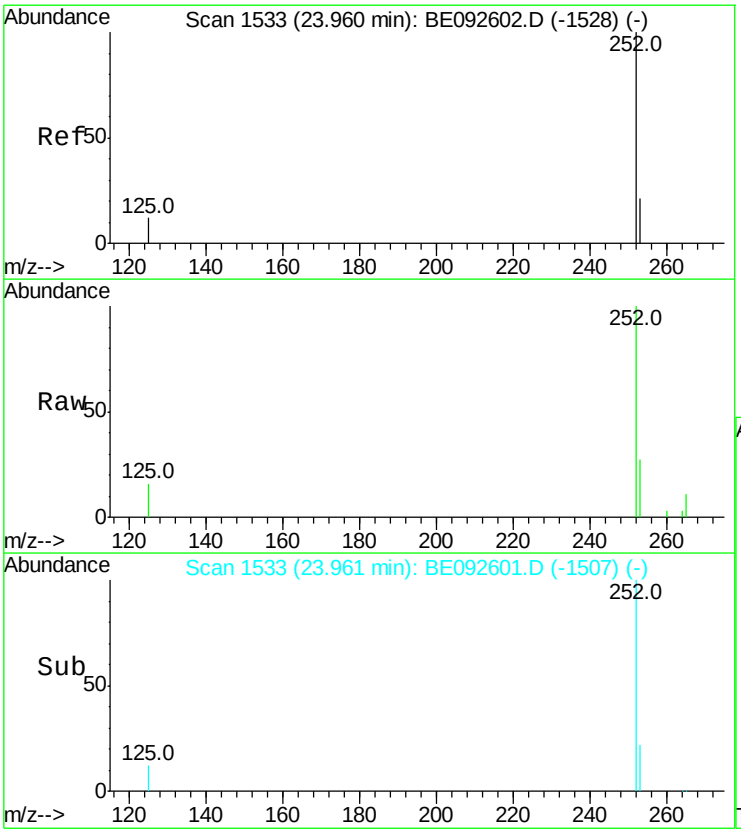
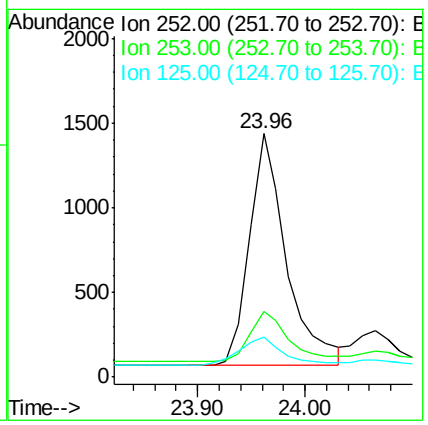
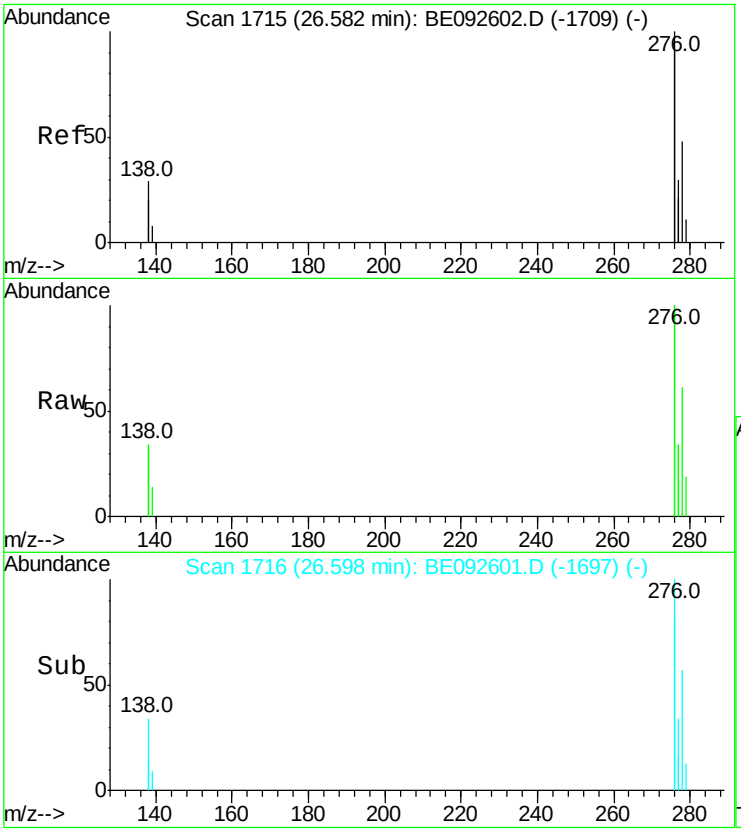


#34
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.96 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:252 Resp: 3283

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.0	28.6
125	16.3	11.8	17.8

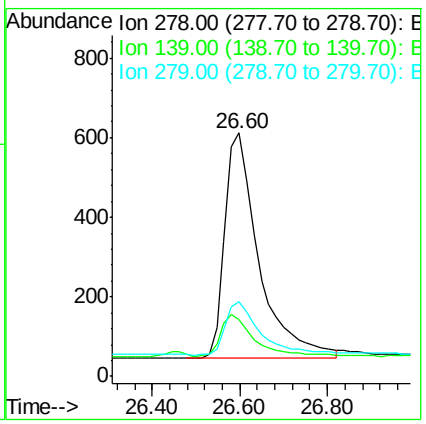




#35
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:278 Resp: 3087

Ion	Ratio	Lower	Upper
278	100		
139	23.4	13.8	20.8#
279	30.7	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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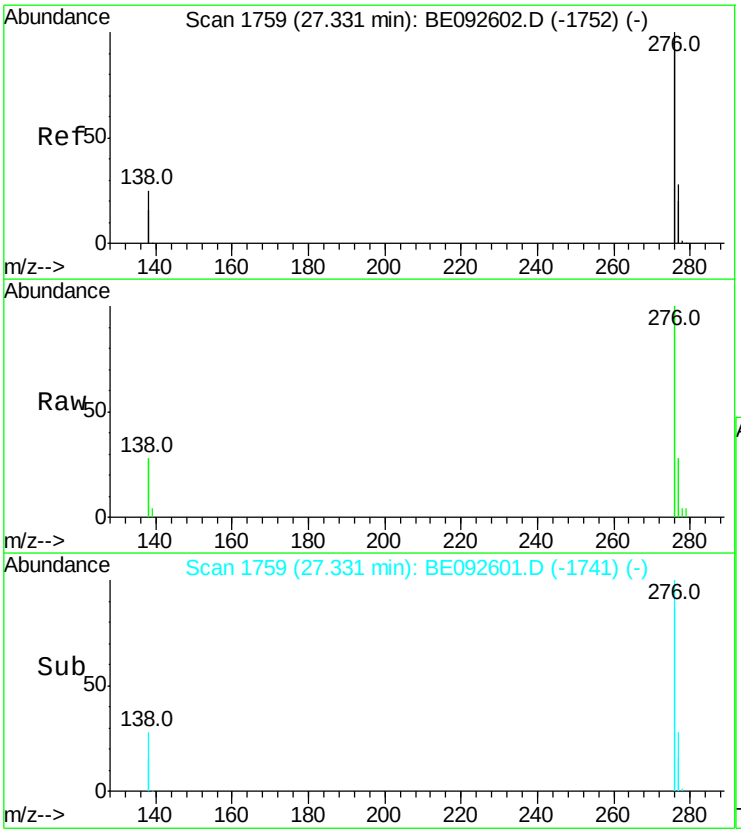

#36
Benzo(g,h,i)perylene
Concen: 0.16 ng
RT: 27.33 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BE092601.D
Acq: 19 Dec 2016 10:37

Tgt Ion:276 Resp: 14026

Ion	Ratio	Lower	Upper
276	100		
277	28.0	19.8	29.8
138	28.5	19.8	29.6