Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092177.D
Acq On : 4 Aug 2016 11:14
Operator : UM/SJ
Sample : H4176-19MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-34-7.0-15.0MS

Quant Time: Aug 04 14:15:06 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 16:59:37 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13545	5.00	ng		0.00
6) Naphthalene-d8	10.98	136	58429	5.00	ng		-0.01
10) Acenaphthene-d10	14.83	164	29503	5.00	ng		-0.02
16) Phenanthrene-d10	17.56	188	59855	5.00	ng		-0.02
22) Chrysene-d12	21.75	240	60347	5.00	ng		0.00
28) Perylene-d12	24.14	264	62806	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	201208	57.84	ng		0.00
5) Phenol-d6	7.34	99	167332	36.11	ng		-0.01
7) Nitrobenzene-d5	9.34	82	361004	78.30	ng		-0.01
11) 2,4,6-Tribromophenol	16.33	330	125350	130.84	ng		0.00
12) 2-Fluorobiphenyl	13.46	172	635918	68.02	ng		0.00
24) Terphenyl-d14	20.19	244	606491	69.98	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	4718	2.56	ng	#	80
3) n-Nitrosodimethylamine	3.78	42	7205	2.85	ng		99
8) Naphthalene	11.03	128	36714	2.92	ng		95
9) 2-Methylnaphthalene	12.64	142	24733	2.98	ng		87
13) Acenaphthylene	14.54	152	146778	2.82	ng		97
14) Acenaphthene	14.90	154	23387	2.82	ng	#	99
15) Fluorene	15.88	166	28468	2.71	ng		99
17) Hexachlorobenzene	16.89	284	7468	2.55	ng	#	38
18) Pentachlorophenol	17.24	266	6830	6.24	ng	#	82
19) Phenanthrene	17.60	178	49535	3.03	ng		99
20) Anthracene	17.70	178	50575	3.17	ng		99
21) Fluoranthene	19.63	202	196881	2.69	ng		97
23) Pyrene	19.99	202	208699	3.31	ng		98
25) Benzo(a)anthracene	21.72	228	204306	3.08	ng		96
26) Chrysene	21.77	228	177531	2.67	ng	#	84
27) Indeno(1,2,3-cd)pyrene	26.63	276	240135	3.33	ng		99
29) Benzo(b)fluoranthene	23.40	252	48039	2.80	ng		98
30) Benzo(k)fluoranthene	23.45	252	47563	2.89	ng		96
31) Benzo(a)pyrene	24.02	252	48286	3.06	ng		95
32) Dibenzo(a,h)anthracene	26.67	278	50173	3.33	ng	#	93
33) Benzo(g,h,i)perylene	27.42	276	210464	3.27	ng		95

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

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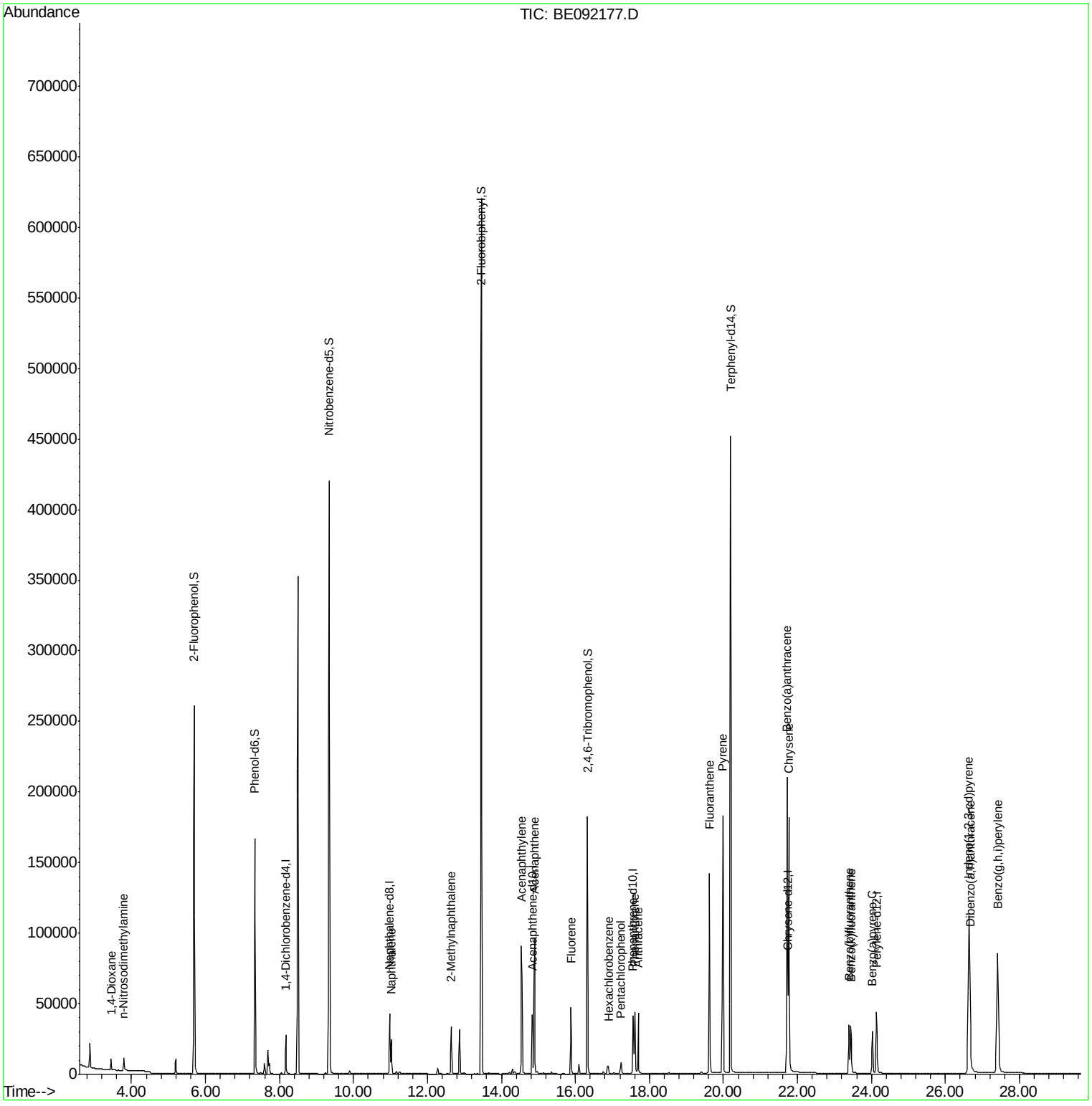
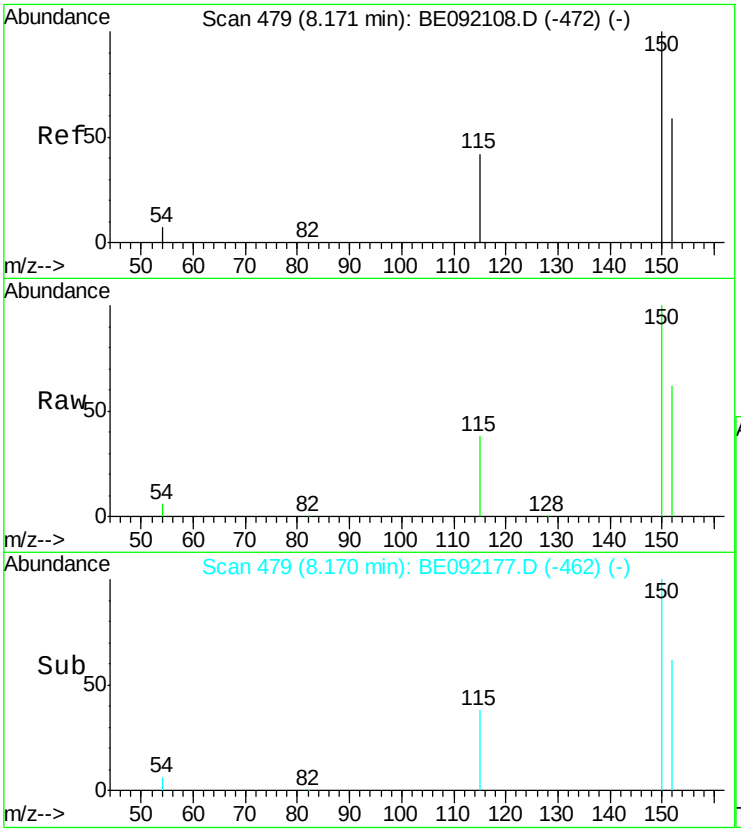


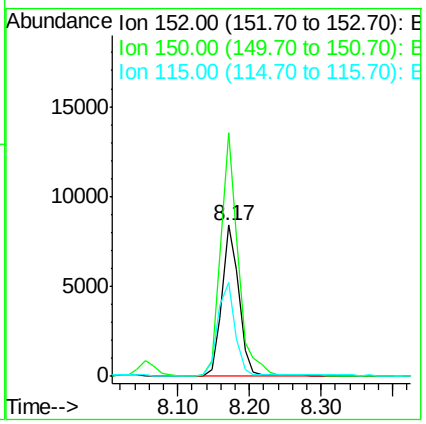


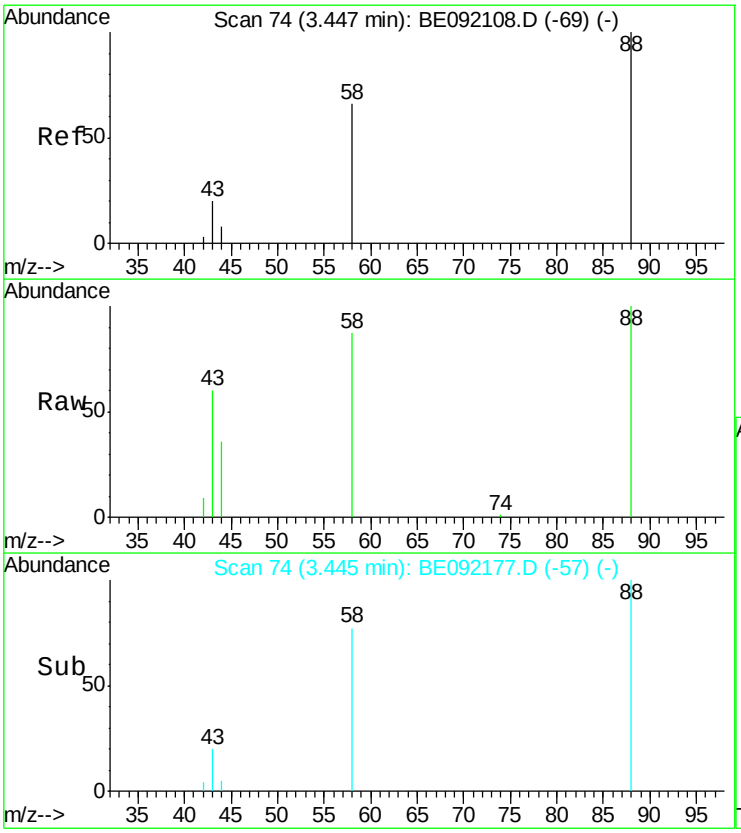
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:152 Resp: 13545

Ion	Ratio	Lower	Upper
152	100		
150	161.2	106.0	159.0#
115	62.0	36.9	55.3#

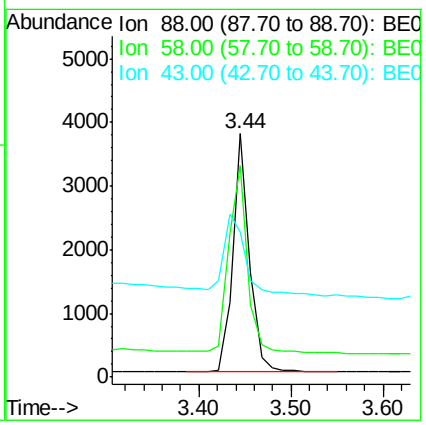


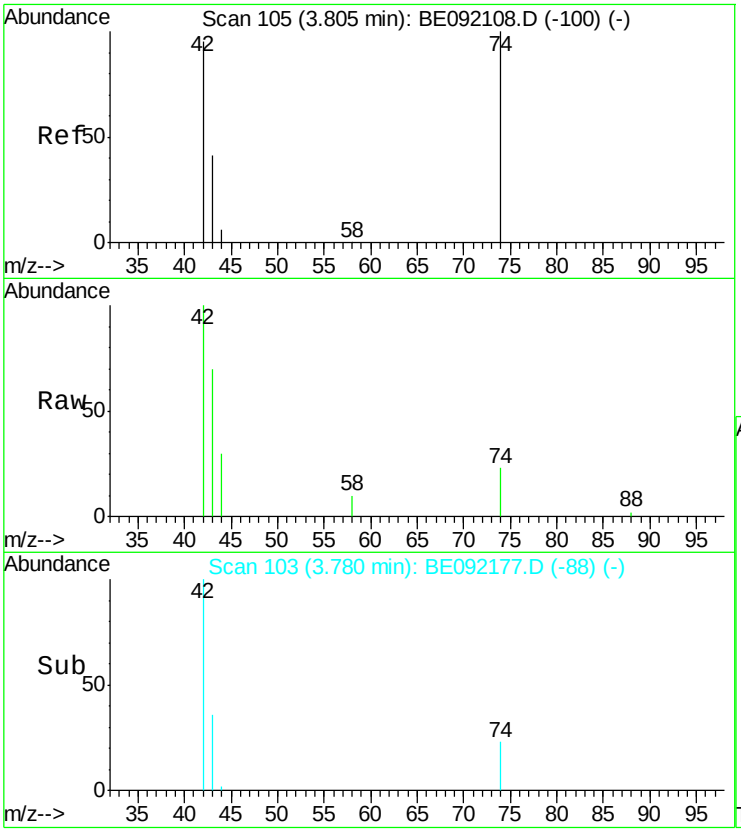


#2
1,4-Dioxane
Concen: 2.56 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion: 88 Resp: 4718

Ion	Ratio	Lower	Upper
88	100		
58	90.5	62.1	93.1
43	51.7	27.2	40.8#



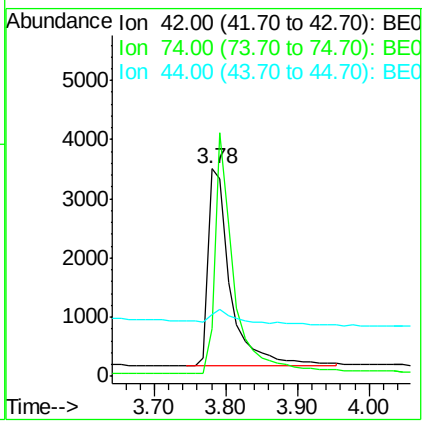


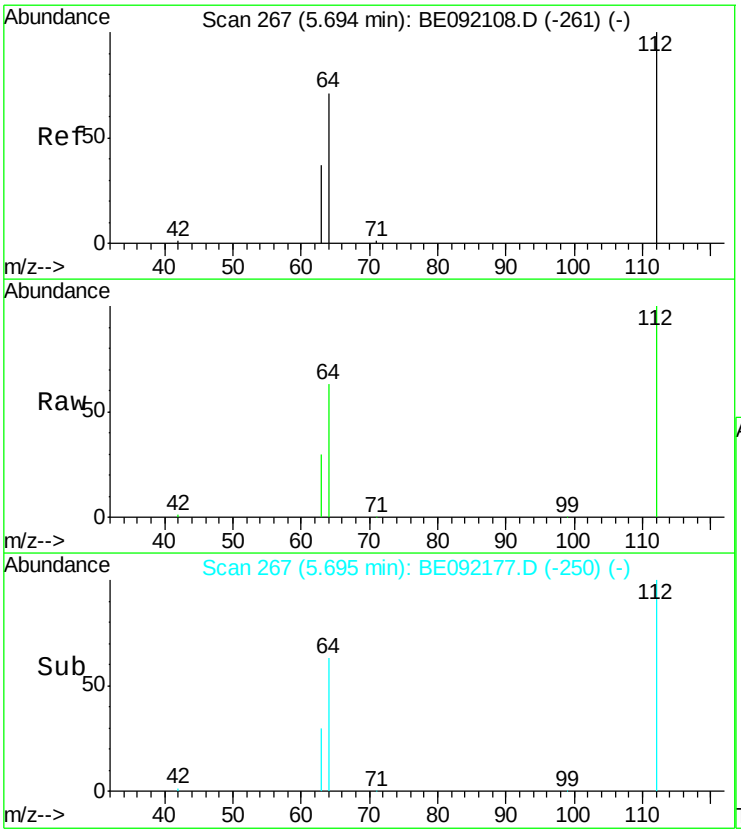
#3
n-Nitrosodimethylamine
Concen: 2.85 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion: 42 Resp: 7205

Ion	Ratio	Lower	Upper
42	100		
74	102.4	82.8	124.2
44	9.8	9.0	13.4

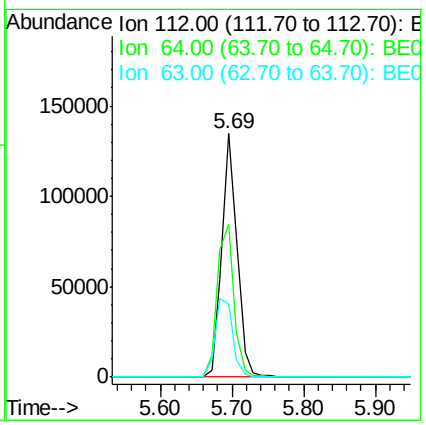


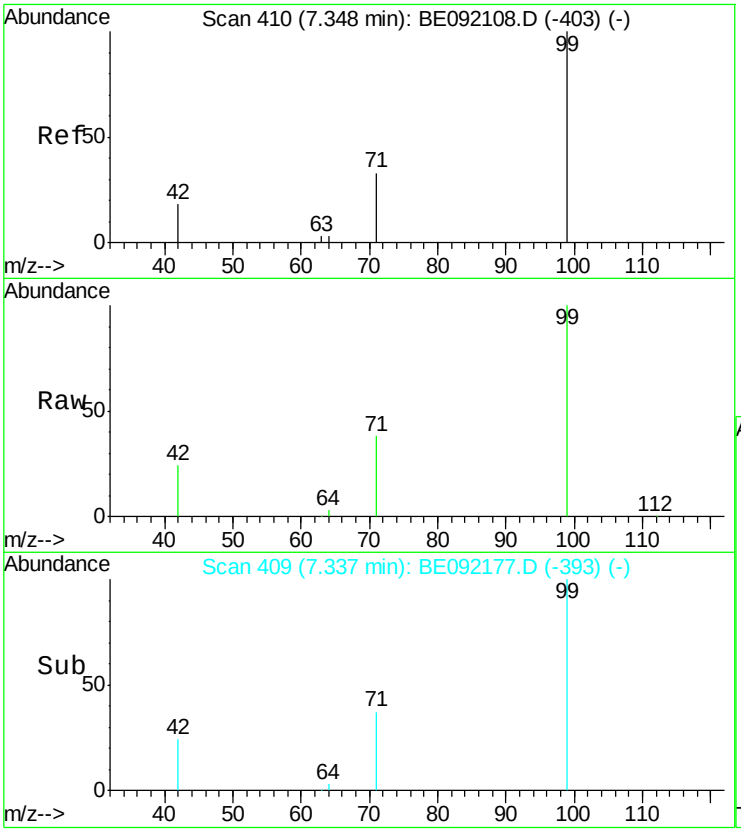


#4
2-Fluorophenol
Concen: 57.84 ng
RT: 5.69 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:112 Resp: 201208

Ion	Ratio	Lower	Upper
112	100		
64	68.4	55.9	83.9
63	36.9	31.1	46.7



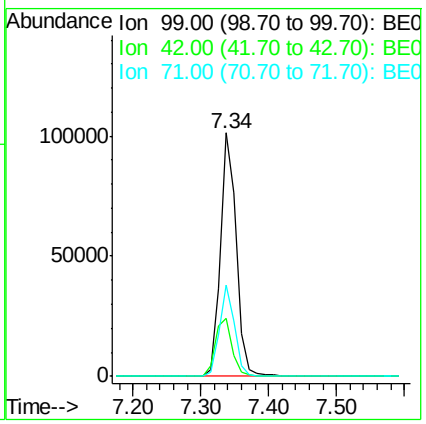


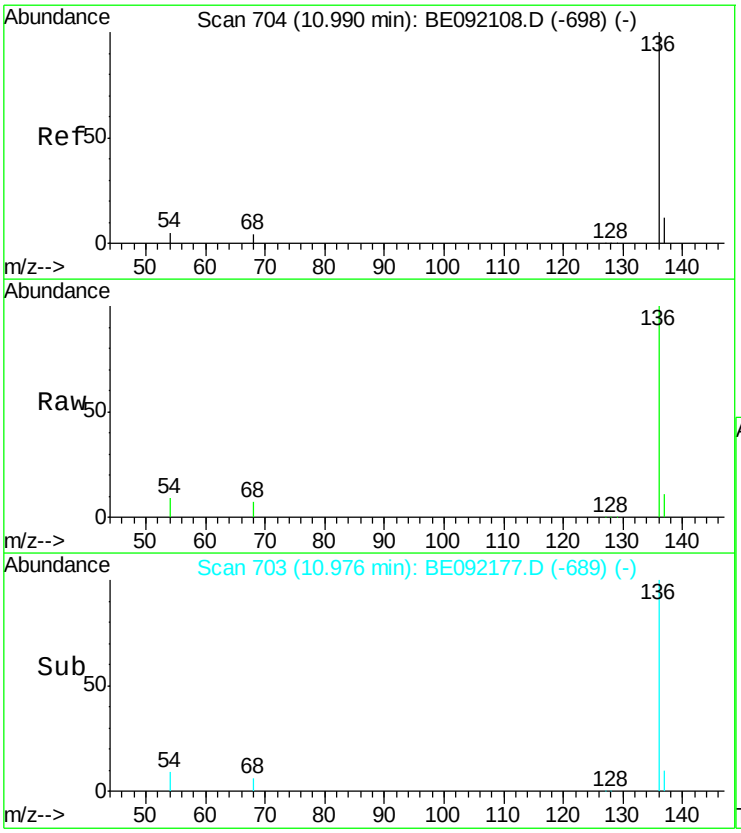
#5
Phenol-d6
Concen: 36.11 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion: 99 Resp: 167332

Ion	Ratio	Lower	Upper
99	100		
42	25.1	22.4	33.6
71	35.8	28.9	43.3

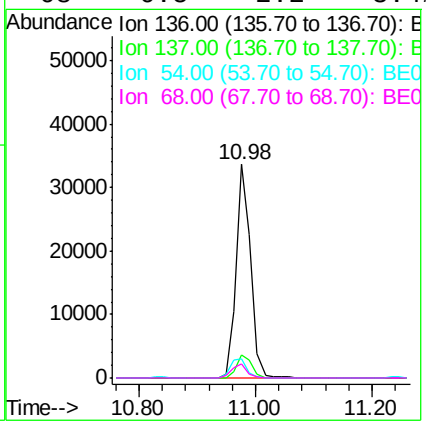


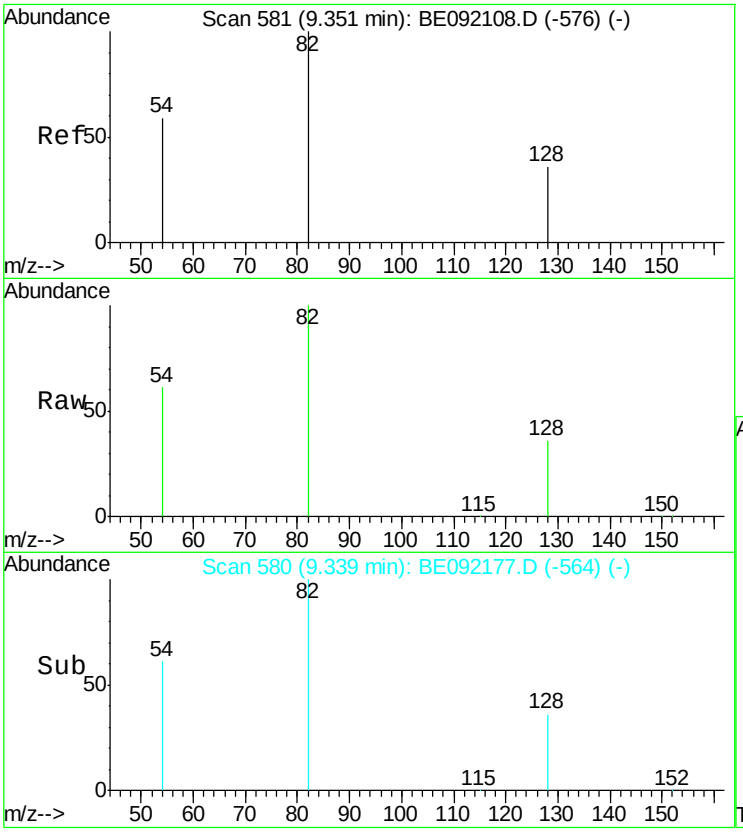


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:136 Resp: 58429

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	9.1	2.7	4.1#
68	6.5	2.2	3.4#



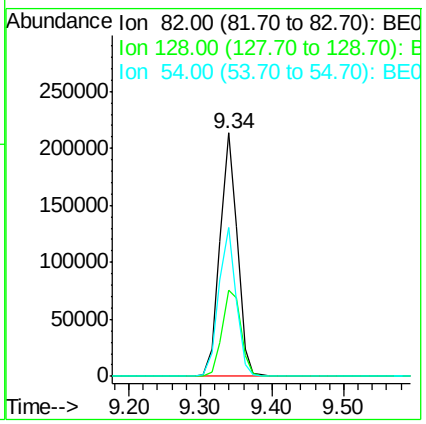


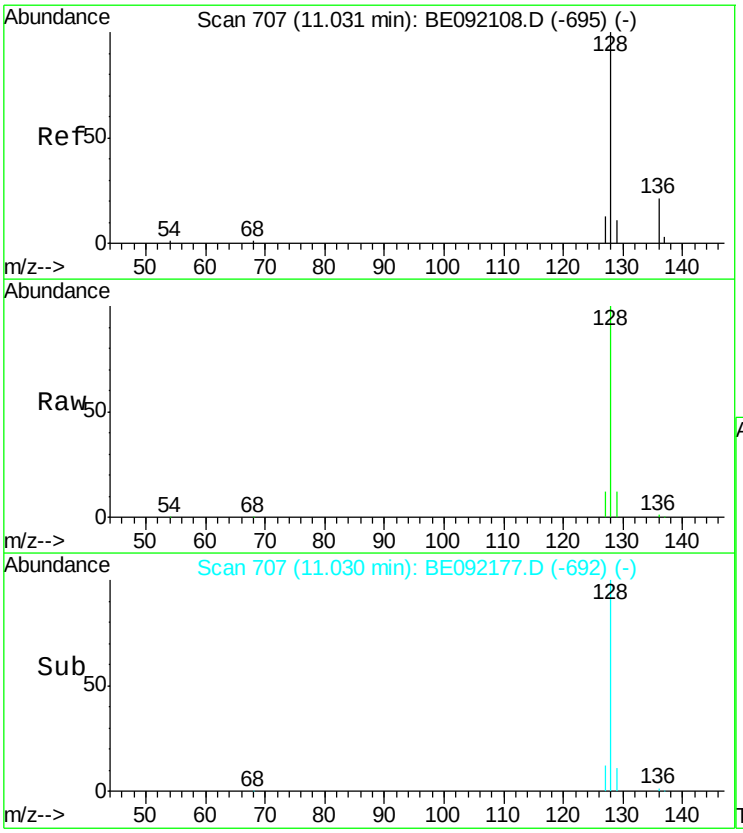
#7
Nitrobenzene-d5
Concen: 78.30 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion: 82 Resp: 361004

Ion	Ratio	Lower	Upper
82	100		
128	35.6	33.0	49.4
54	61.3	42.6	63.8

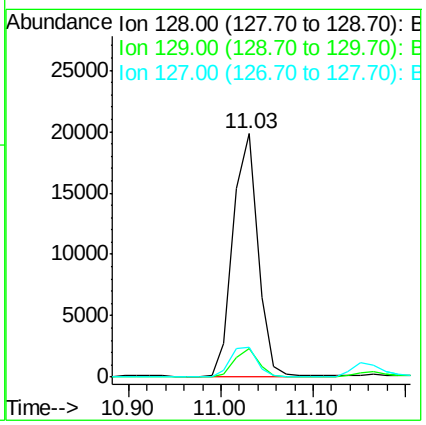


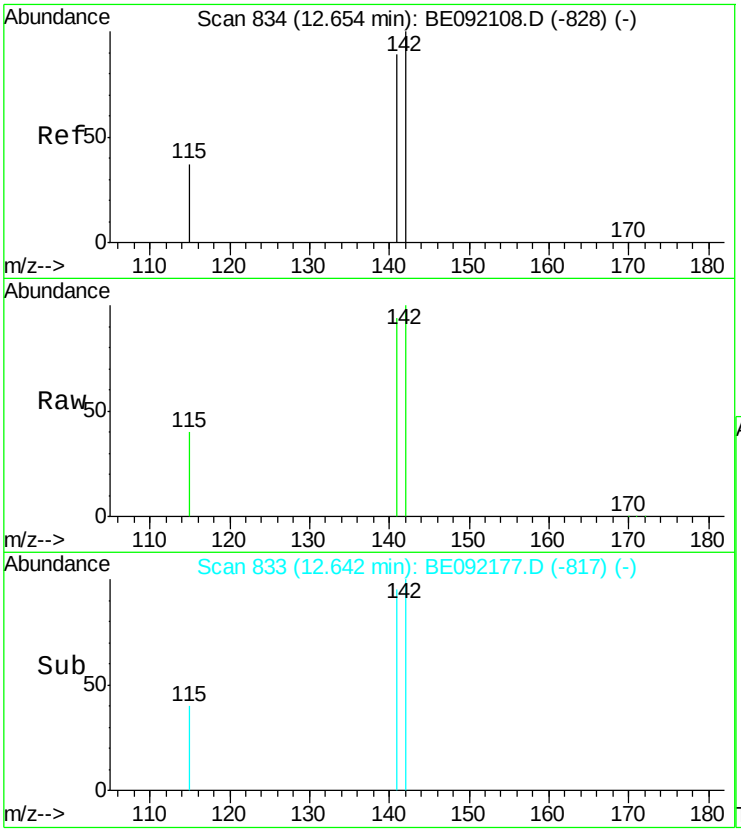


#8
Naphthalene
Concen: 2.92 ng
RT: 11.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:128 Resp: 36714

Ion	Ratio	Lower	Upper
128	100		
129	11.7	11.1	16.7
127	12.1	11.3	16.9



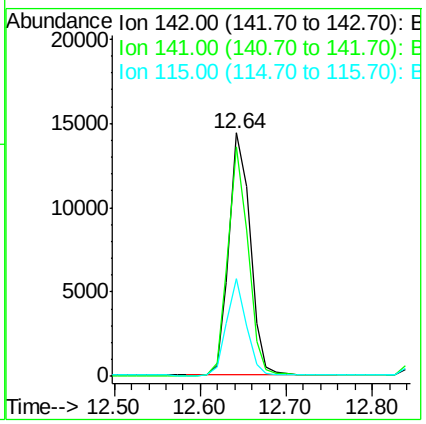


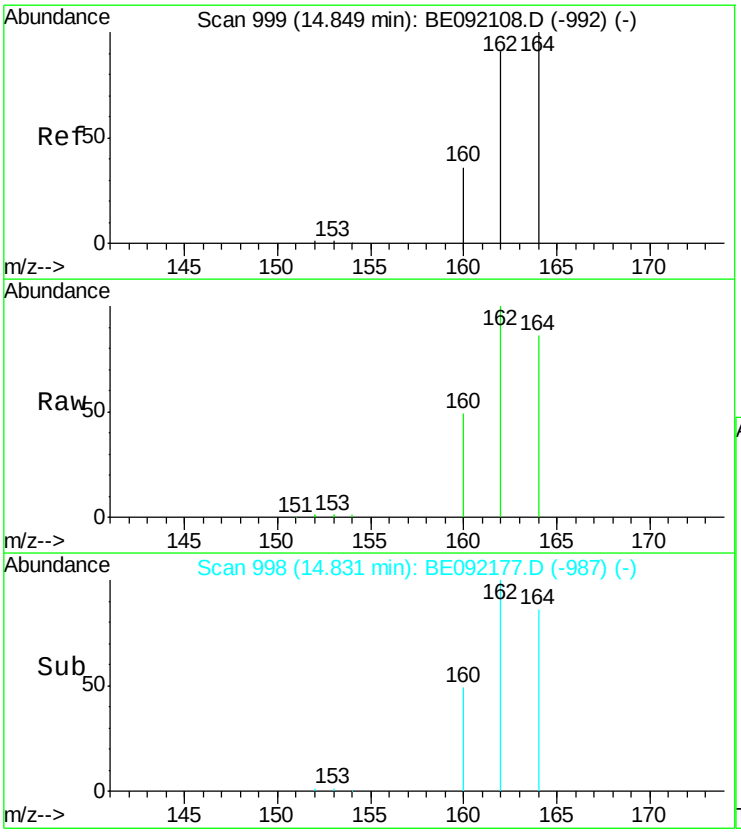
#9
2-Methylnaphthalene
Concen: 2.98 ng
RT: 12.64 min Scan# 833
Delta R.T. -0.01 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:142 Resp: 24733

Ion	Ratio	Lower	Upper
142	100		
141	94.4	65.1	97.7
115	39.9	27.0	40.4

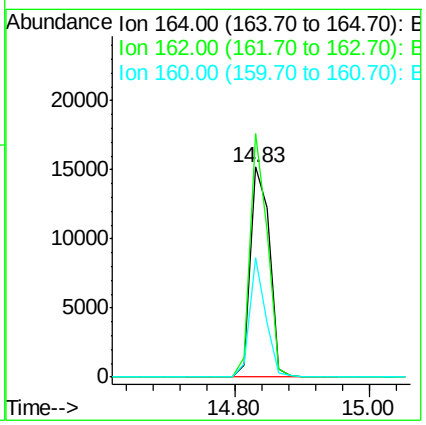


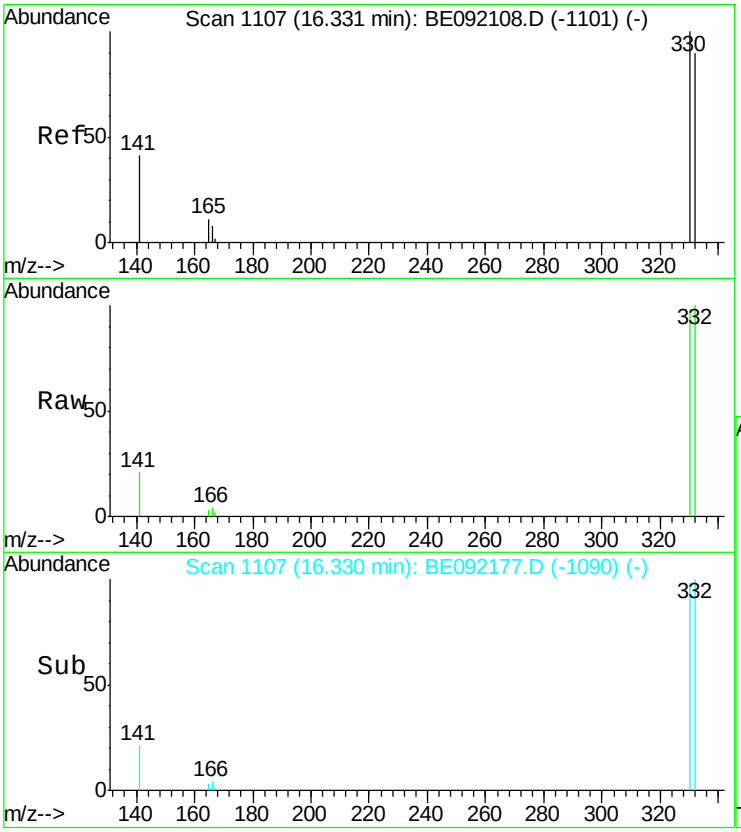


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:164 Resp: 29503

Ion	Ratio	Lower	Upper
164	100		
162	116.1	69.5	104.3#
160	56.8	27.6	41.4#



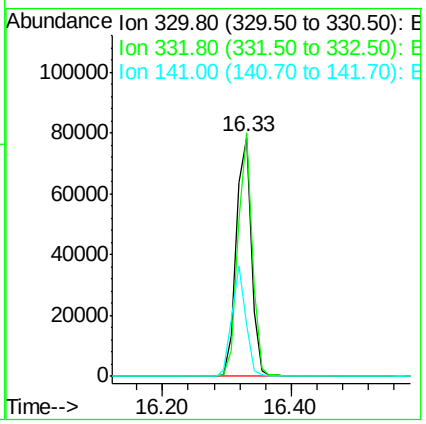


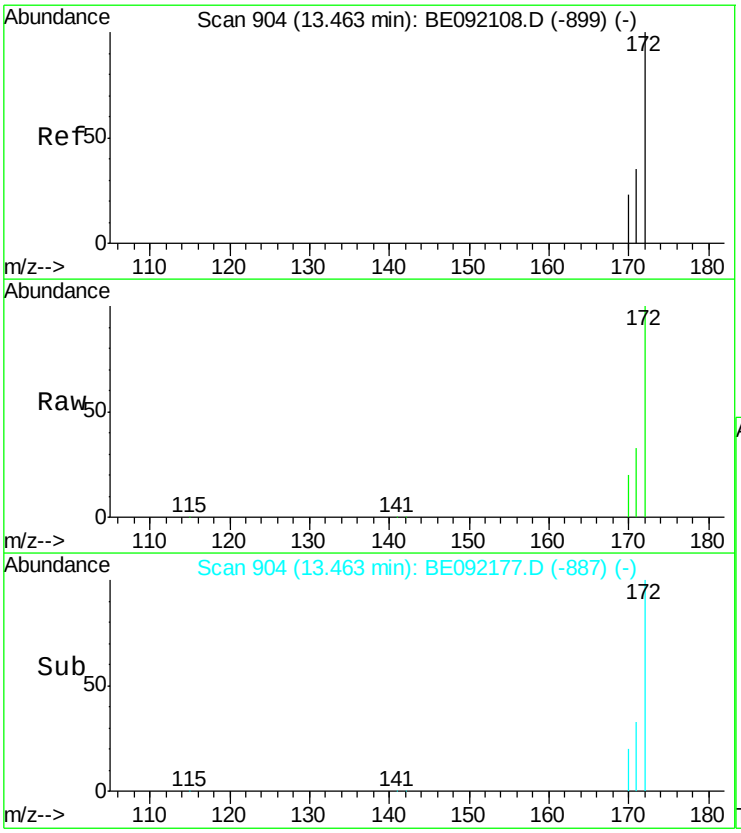
#11
2,4,6-Tribromophenol
Concen: 130.84 ng
RT: 16.33 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:330 Resp: 125350

Ion	Ratio	Lower	Upper
330	100		
332	95.8	74.2	111.4
141	42.5	139.8	209.8#

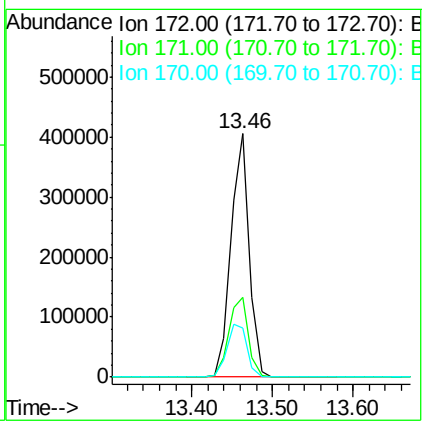


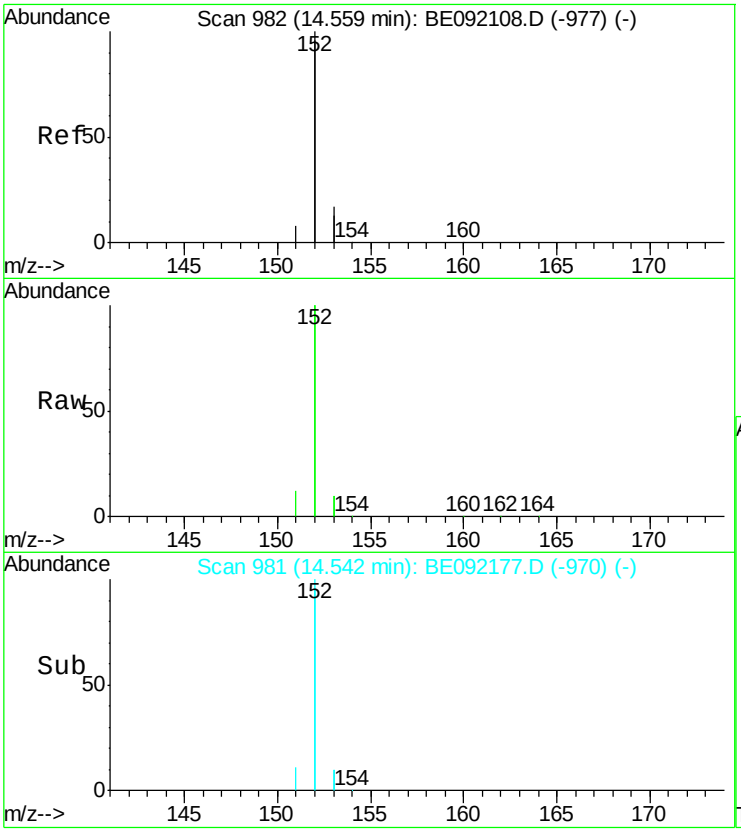


#12
2-Fluorobiphenyl
Concen: 68.02 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:172 Resp: 635918

Ion	Ratio	Lower	Upper
172	100		
171	32.5	30.3	45.5
170	20.0	21.6	32.4#



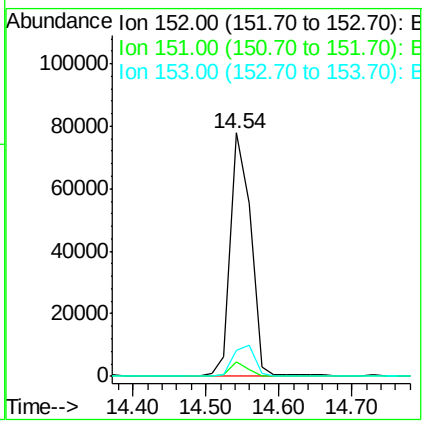


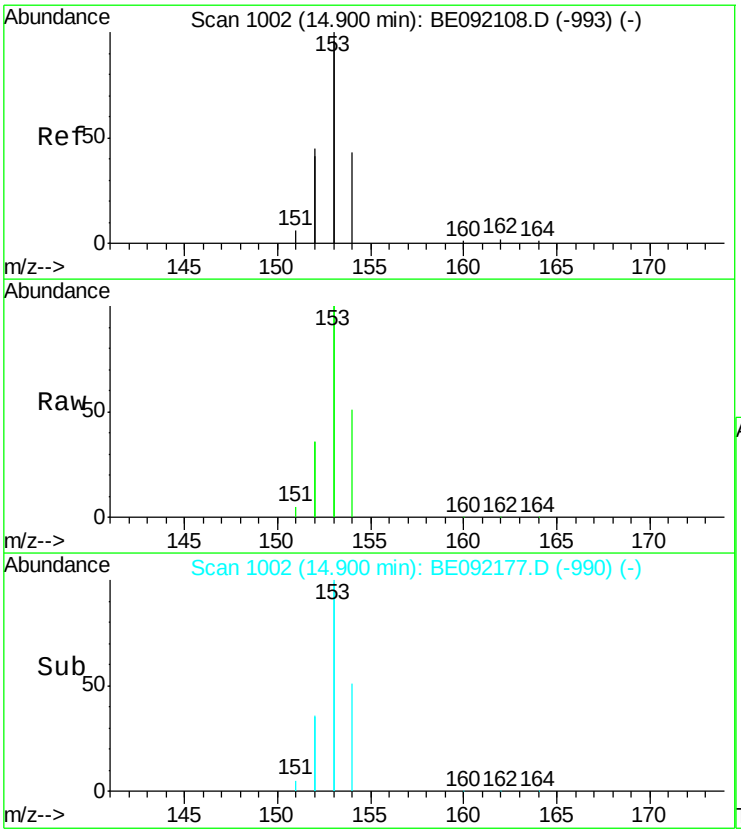
#13
Acenaphthylene
Concen: 2.82 ng
RT: 14.54 min Scan# 981
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:152 Resp: 146778

Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	13.4	9.6	14.4

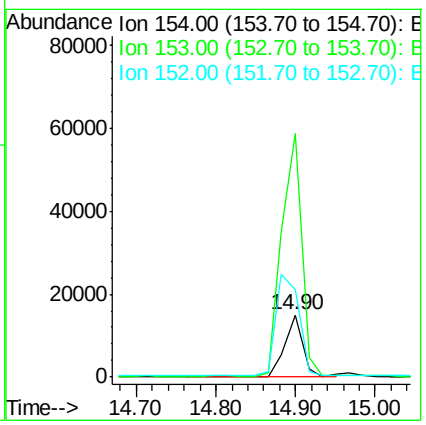


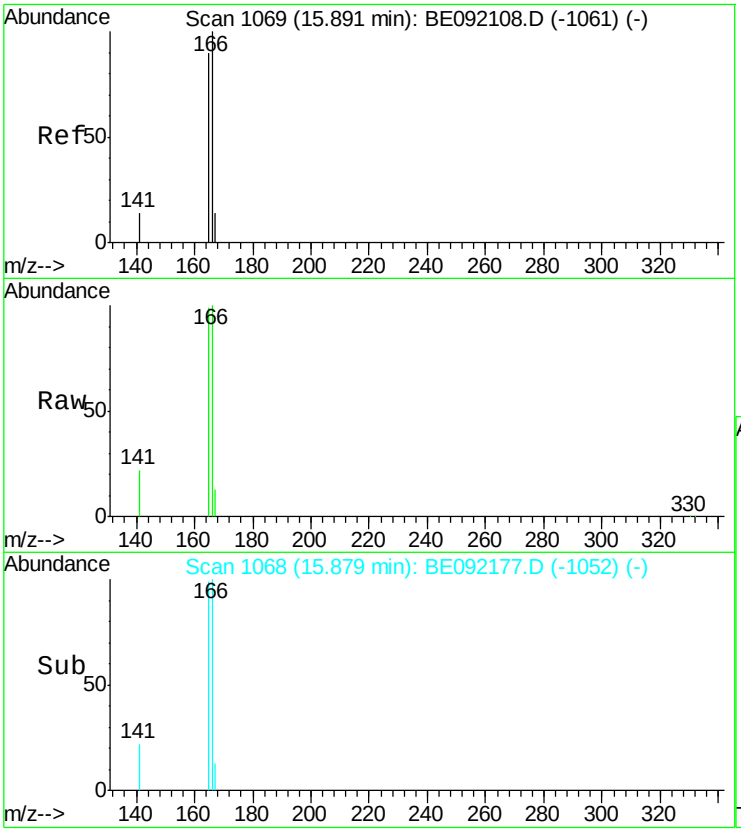


#14
Acenaphthene
Concen: 2.82 ng
RT: 14.90 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:154 Resp: 23387

Ion	Ratio	Lower	Upper
154	100		
153	433.8	345.1	517.7
152	209.1	0.0	0.0#



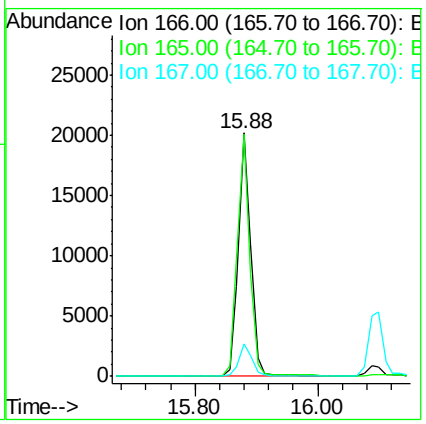


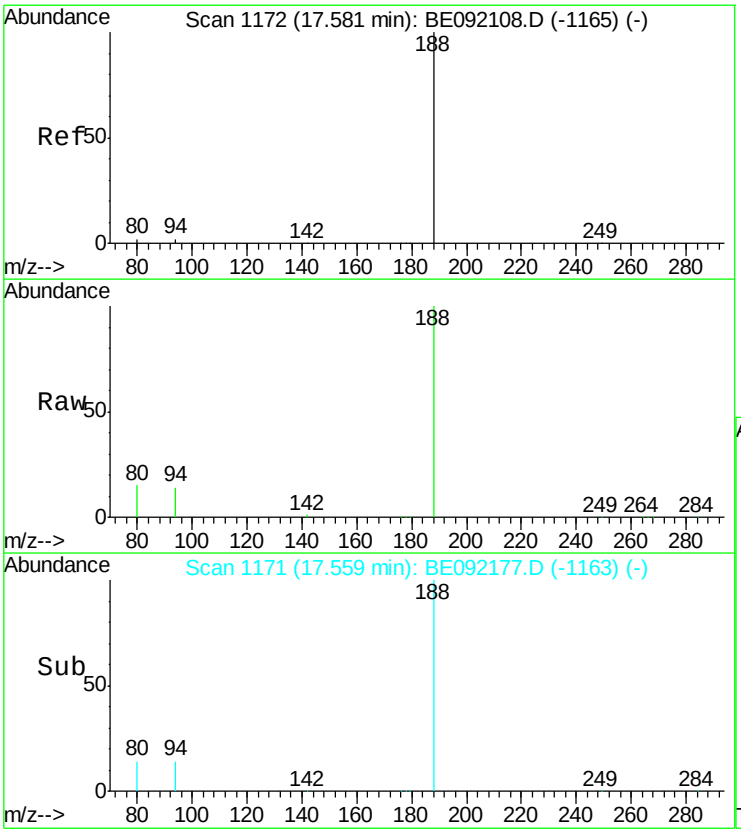
#15
Fluorene
Concen: 2.71 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:166 Resp: 28468

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	118.0
167	13.4	11.1	16.7

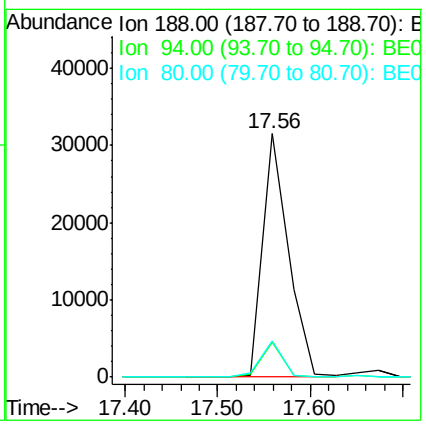


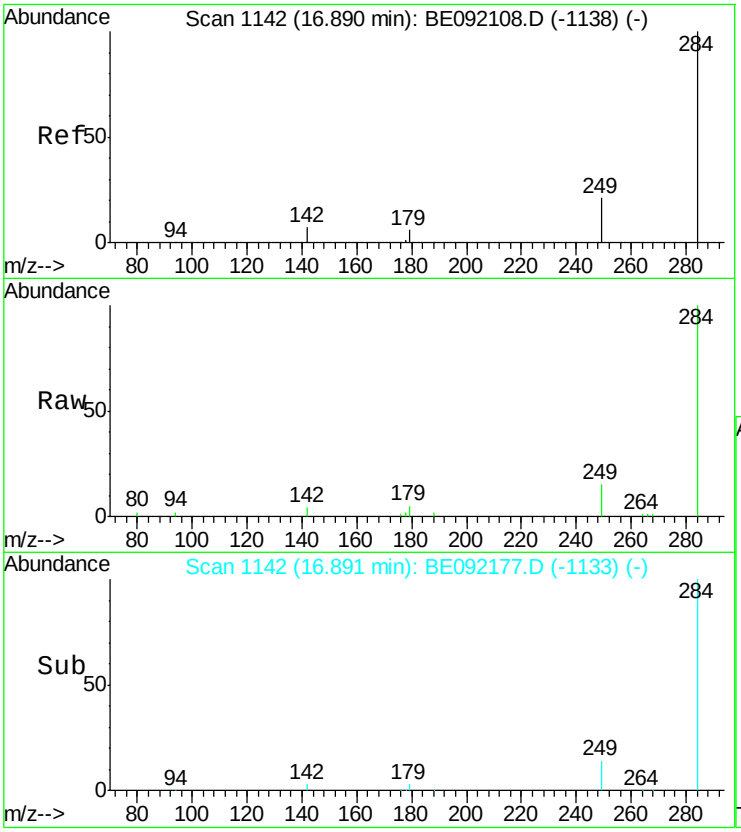


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:188 Resp: 59855

Ion	Ratio	Lower	Upper
188	100		
94	14.4	3.9	5.9#
80	14.7	3.4	5.0#



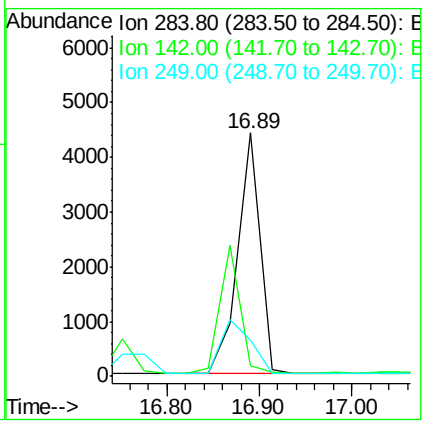


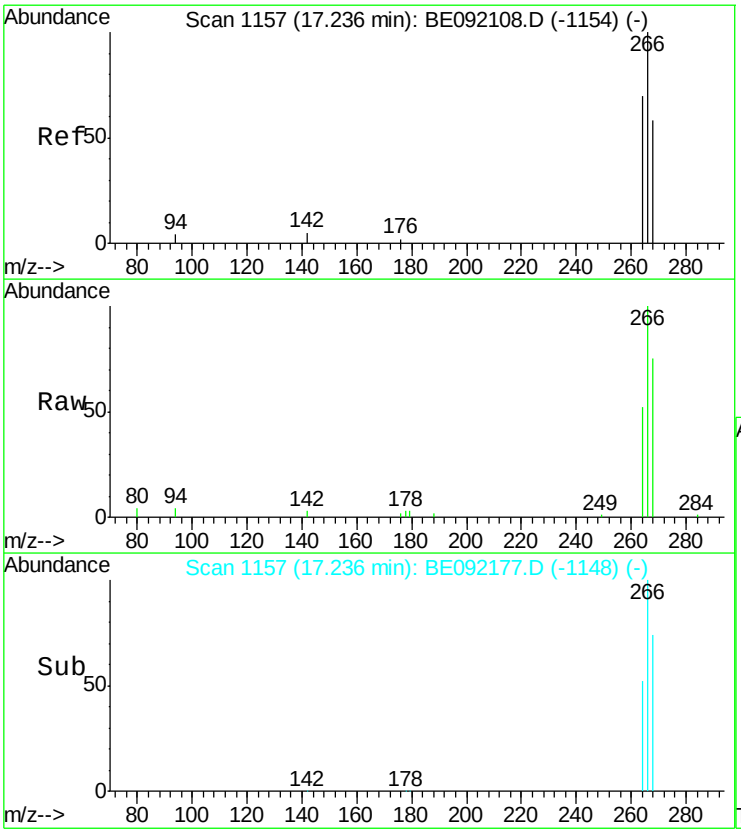
#17
Hexachlorobenzene
Concen: 2.55 ng
RT: 16.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:284 Resp: 7468

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

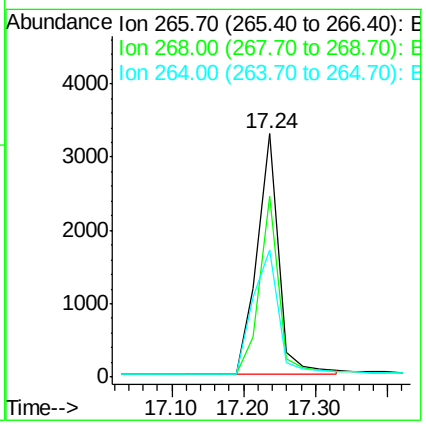


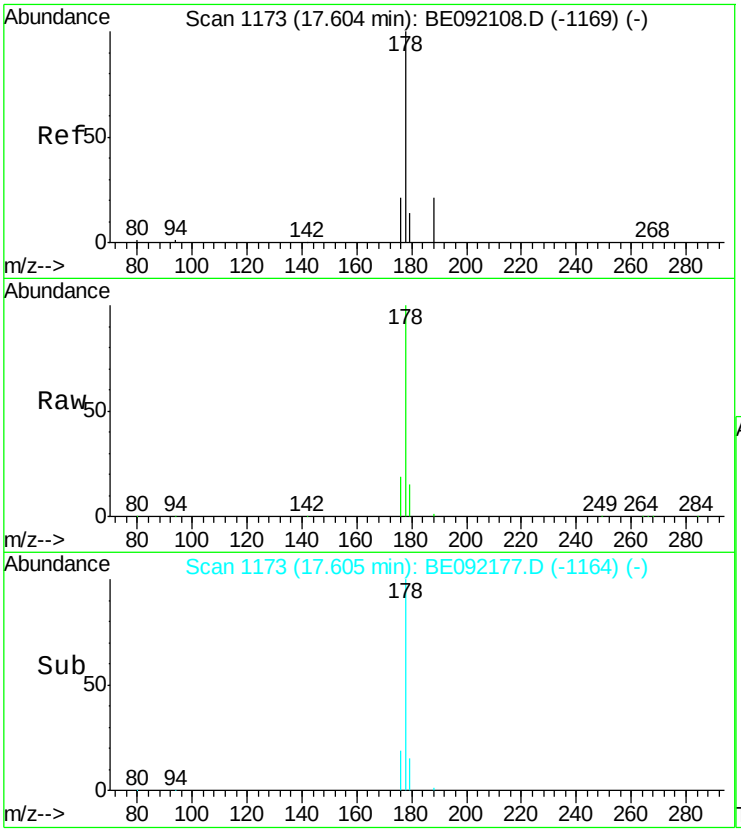


#18
Pentachlorophenol
Concen: 6.24 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:266 Resp: 6830

Ion	Ratio	Lower	Upper
266	100		
268	74.5	62.7	94.1
264	52.2	63.5	95.3#



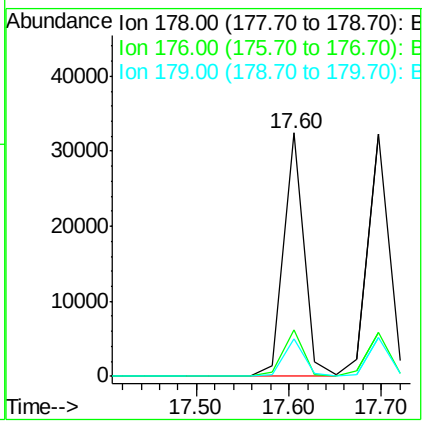


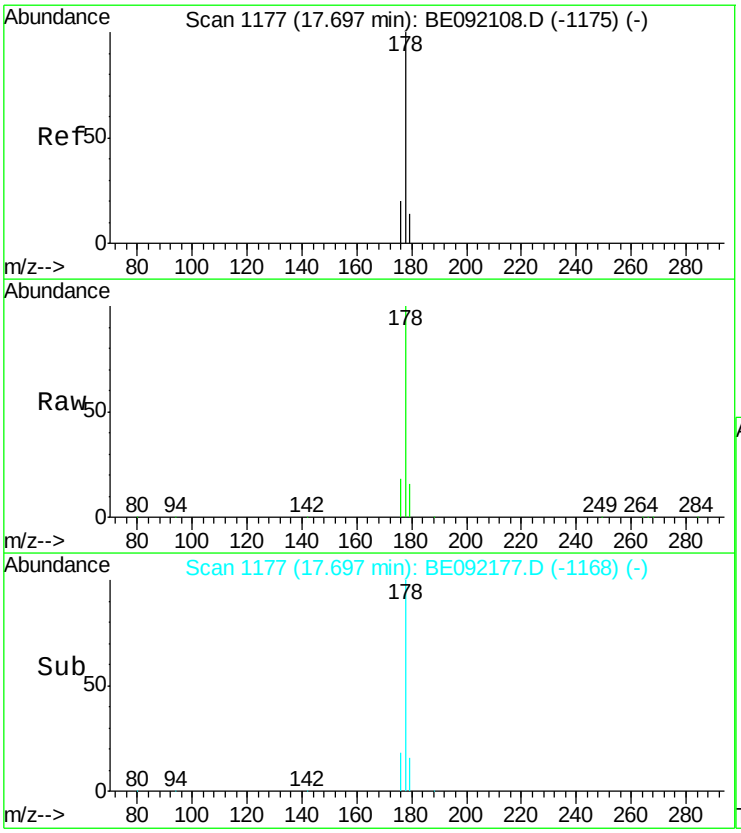
#19
Phenanthrene
Concen: 3.03 ng
RT: 17.60 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:178 Resp: 49535

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

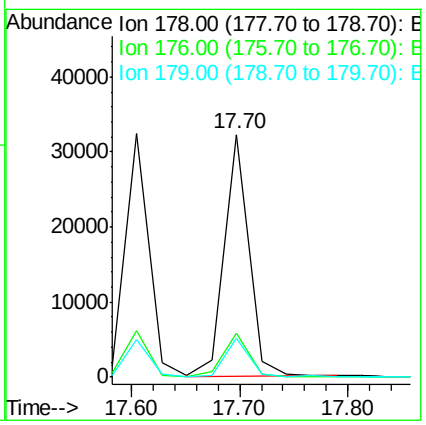


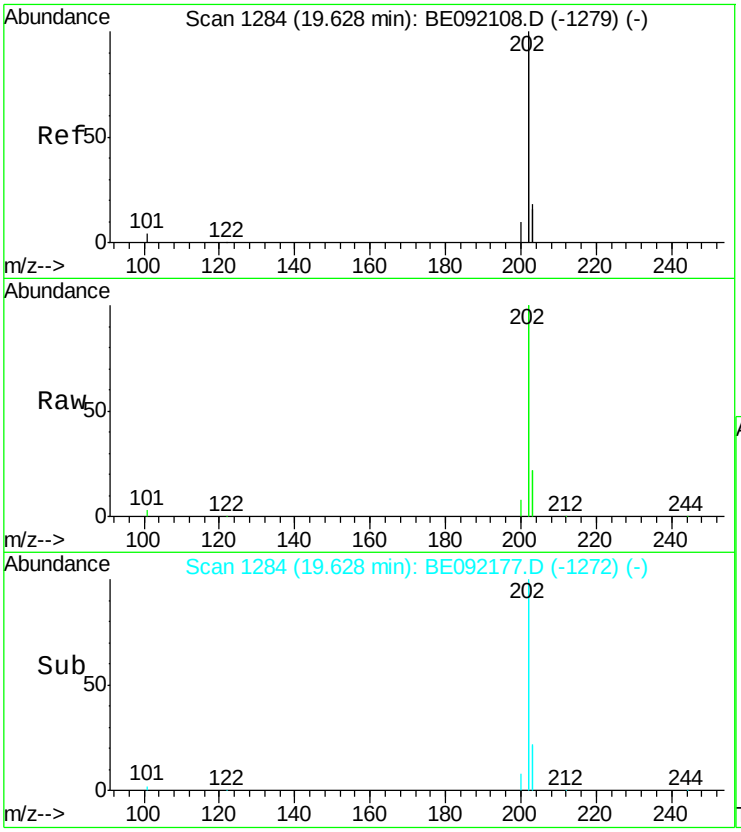


#20
Anthracene
Concen: 3.17 ng
RT: 17.70 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:178 Resp: 50575

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.2	22.8
179	15.7	12.2	18.4



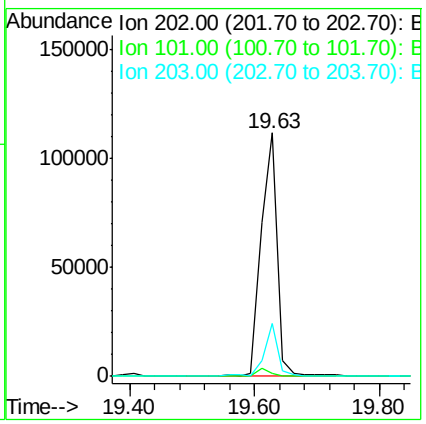


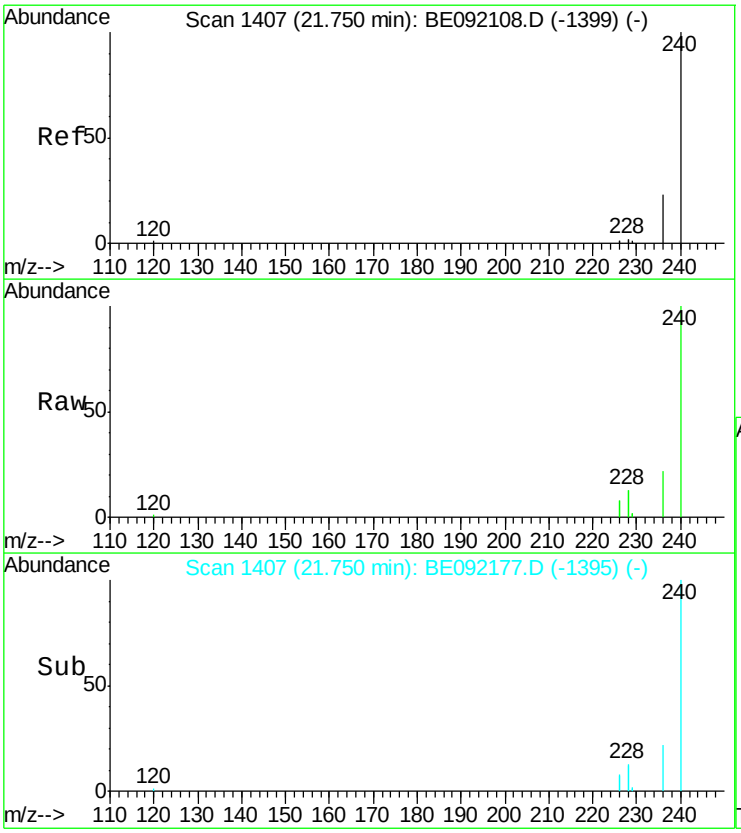
#21
Fluoranthene
Concen: 2.69 ng
RT: 19.63 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:202 Resp: 196881

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.2
203	17.8	13.0	19.4

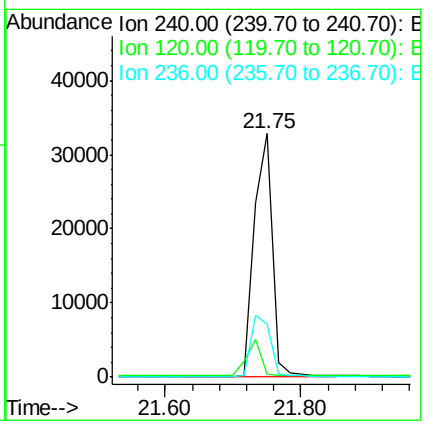


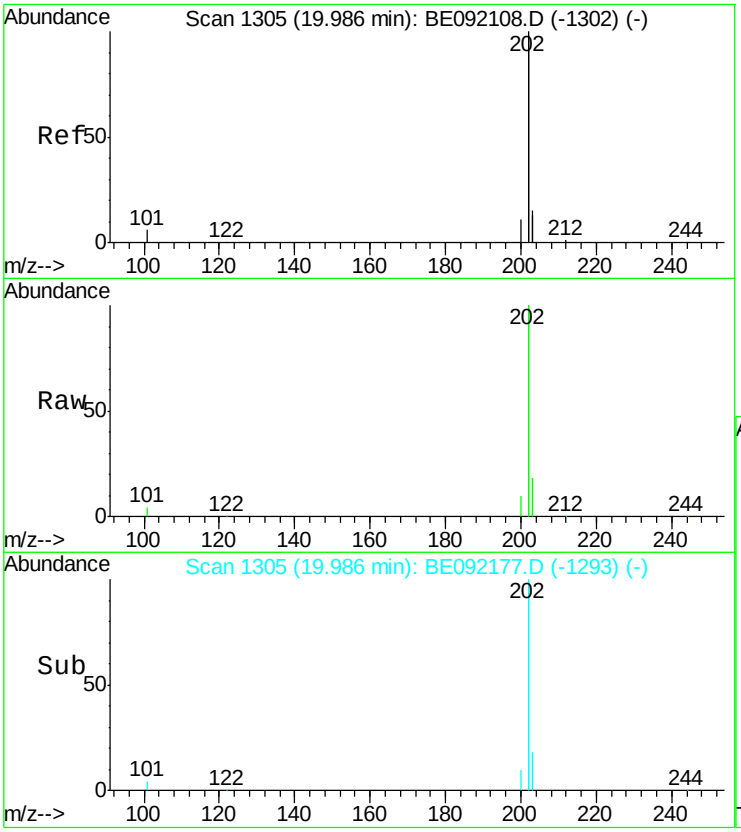


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:240 Resp: 60347

Ion	Ratio	Lower	Upper
240	100		
120	1.4	0.6	1.0#
236	21.7	18.2	27.4



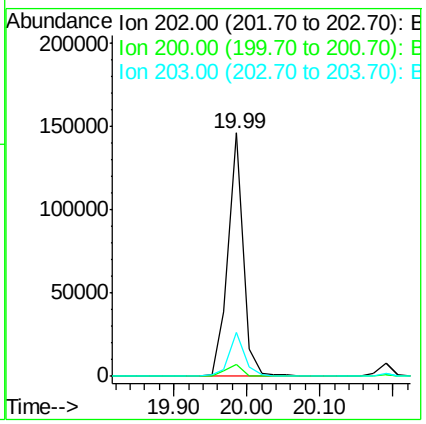


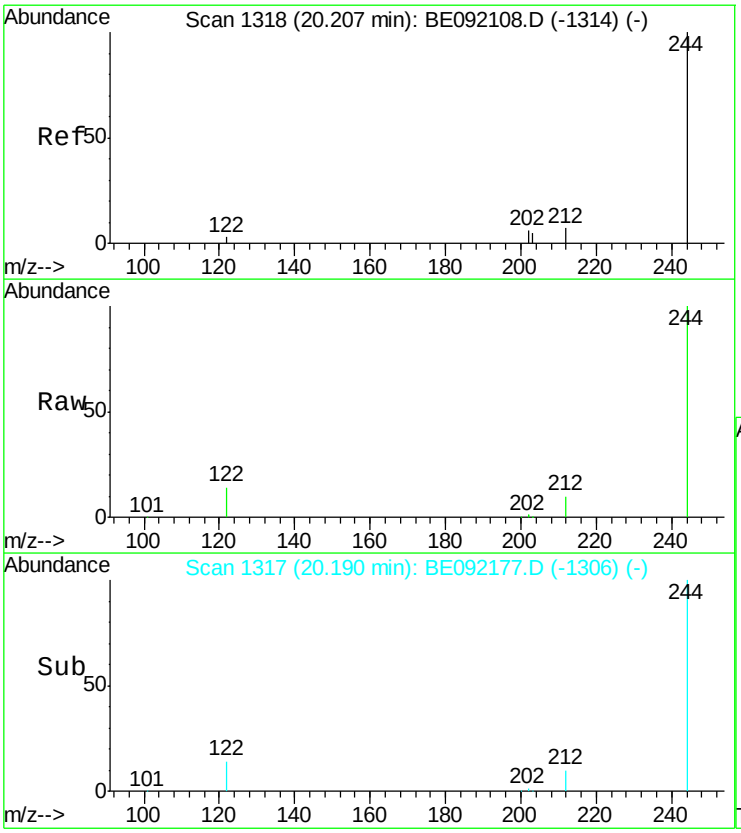
#23
Pyrene
Concen: 3.31 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:202 Resp: 208699

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.4	6.6
203	18.0	13.4	20.0

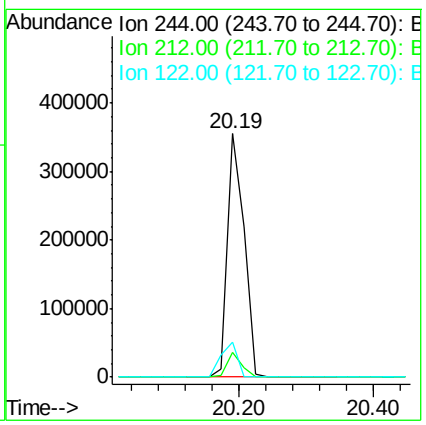


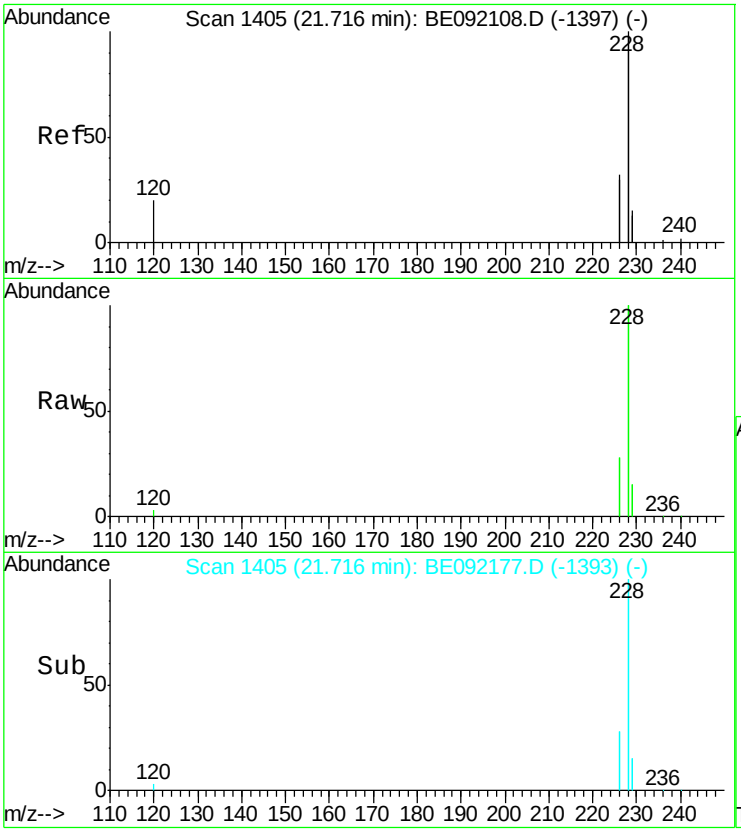


#24
Terphenyl-d14
Concen: 69.98 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:244 Resp: 606491

Ion	Ratio	Lower	Upper
244	100		
212	9.9	9.1	13.7
122	14.4	11.0	16.4



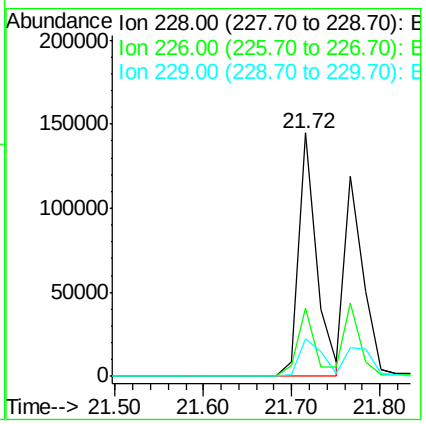


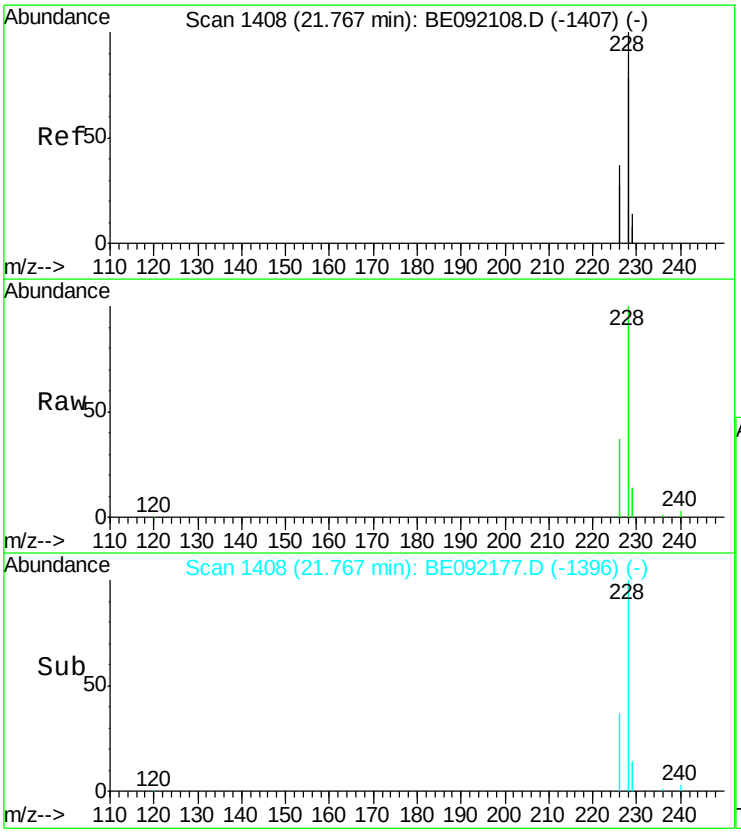
#25
Benzo(a)anthracene
Concen: 3.08 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:228 Resp: 204306

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	15.4	15.1	22.7

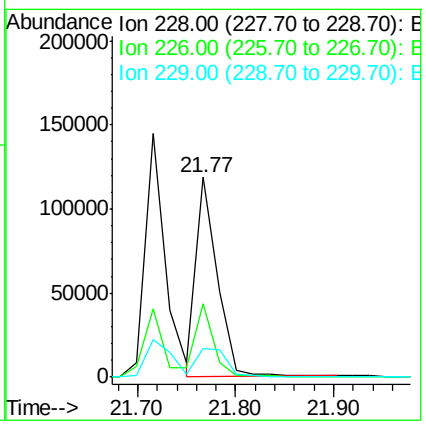


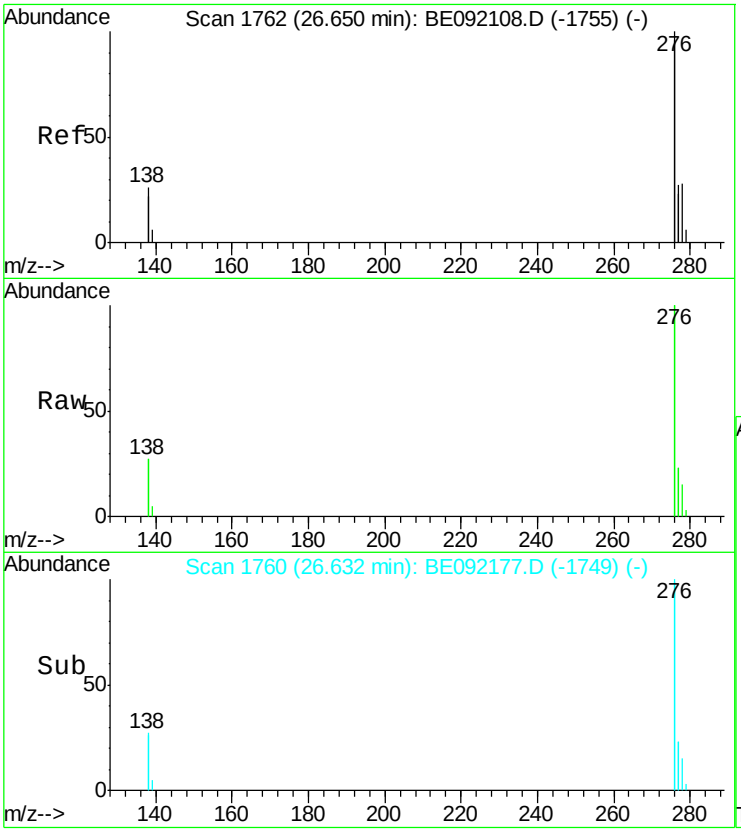


#26
Chrysene
Concen: 2.67 ng
RT: 21.77 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:228 Resp: 177531

Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.3	33.5#
229	14.3	16.9	25.3#



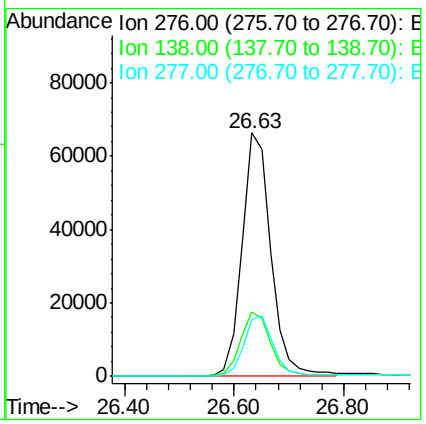


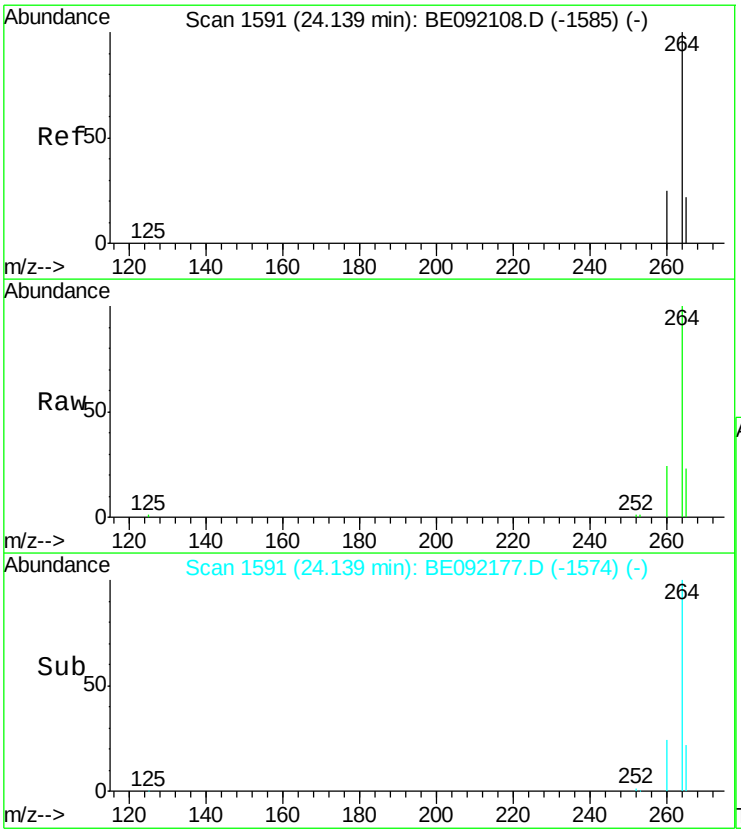
#27
Indeno(1,2,3-cd)pyrene
Concen: 3.33 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:276 Resp: 240135

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.2	31.8
277	24.8	19.8	29.8

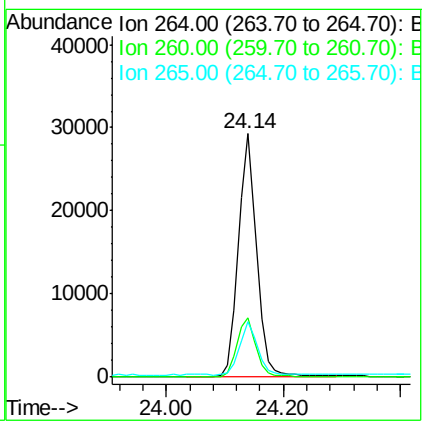


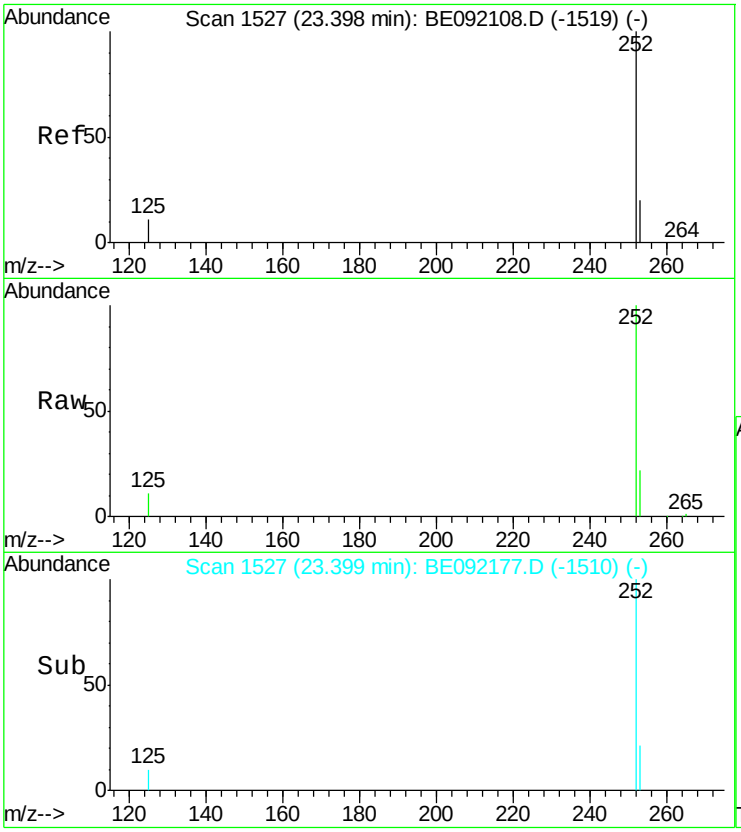


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:264 Resp: 62806

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.8	31.2
265	22.9	16.6	25.0



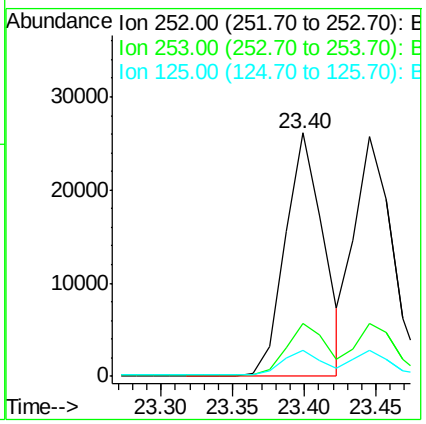


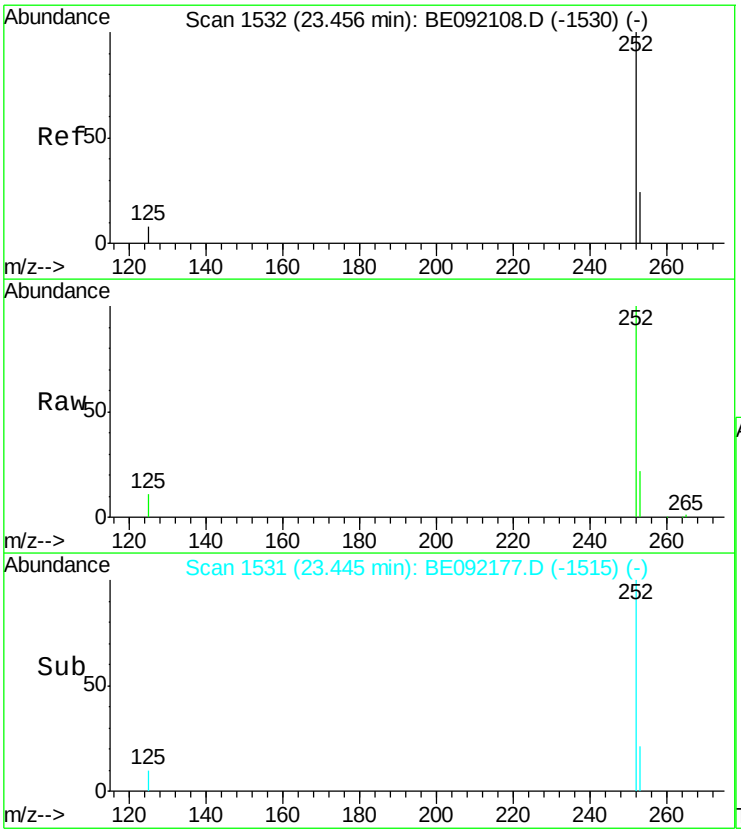
#29
Benzo(b)fluoranthene
Concen: 2.80 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:252 Resp: 48039

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.8	10.2	15.2

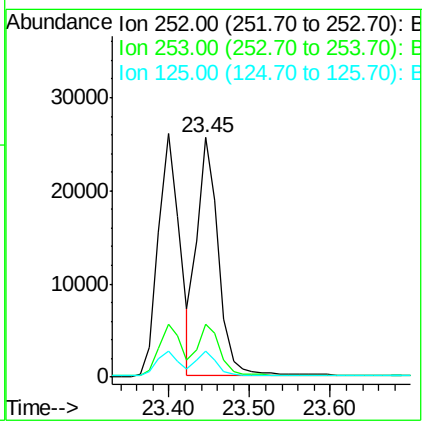


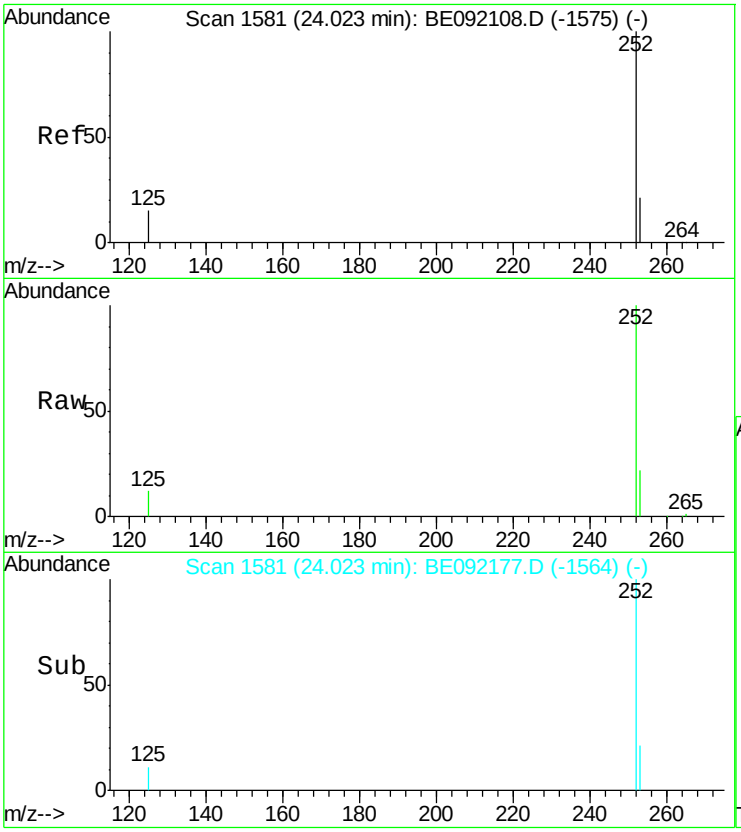


#30
Benzo(k)fluoranthene
Concen: 2.89 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:252 Resp: 47563

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.4	29.0
125	10.7	8.9	13.3



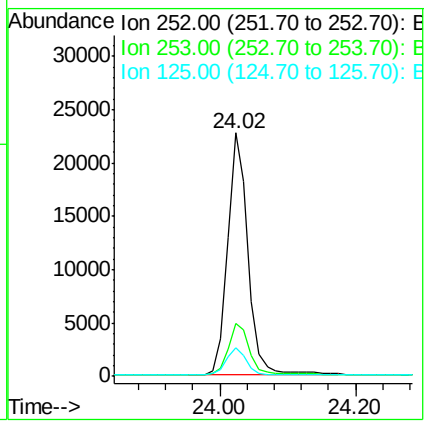


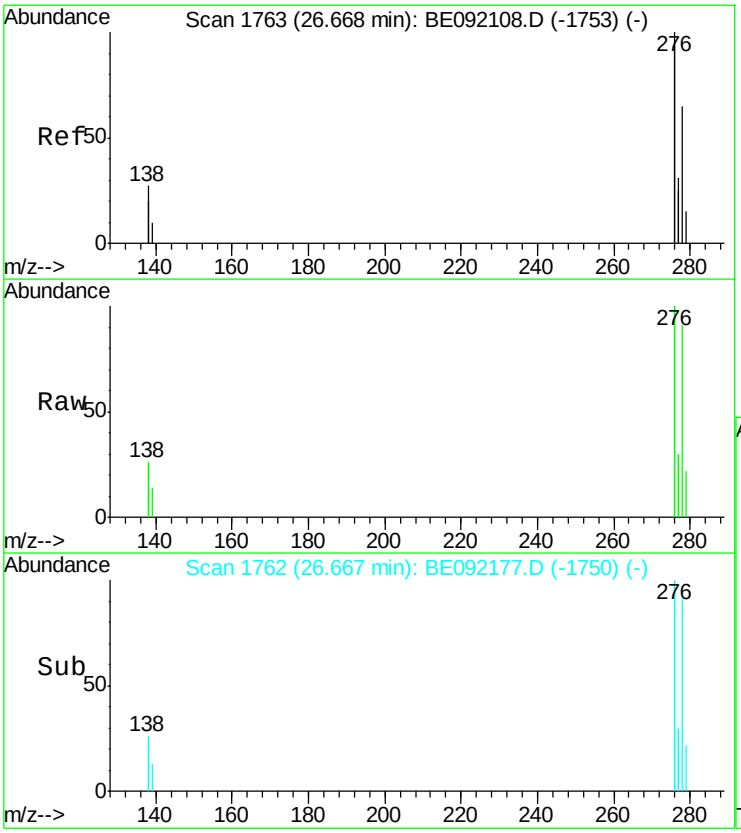
#31
Benzo(a)pyrene
Concen: 3.06 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:252 Resp: 48286

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.8	29.8
125	11.8	10.4	15.6

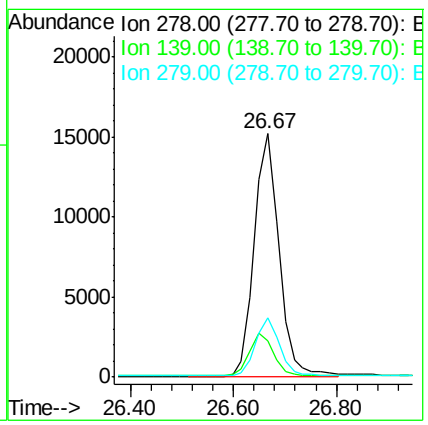


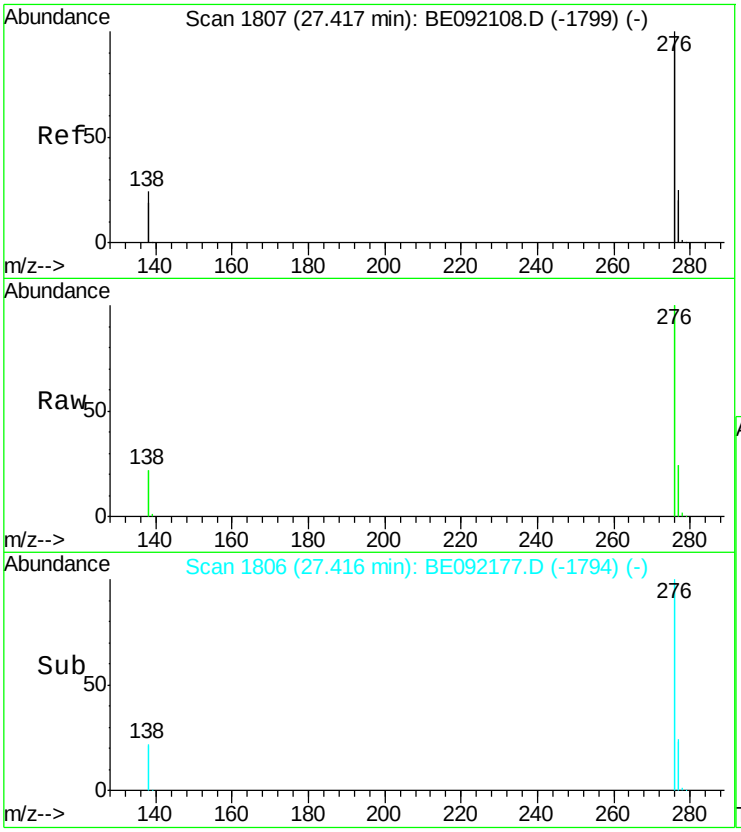


#32
Dibenzo(a,h)anthracene
Concen: 3.33 ng
RT: 26.67 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:278 Resp: 50173

Ion	Ratio	Lower	Upper
278	100		
139	14.9	16.7	25.1#
279	24.5	20.3	30.5





#33
Benzo(g,h,i)perylene
Concen: 3.27 ng
RT: 27.42 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

Tgt Ion:276 Resp: 210464

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.5	29.3
138	21.5	20.8	31.2