Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
Data File : BE092211.D
Acq On : 5 Aug 2016 9:34
Operator : UM/SJ
Sample : H4288-24
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 05 17:16:52 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	11232	5.00	ng		0.00
6) Naphthalene-d8	10.98	136	50636	5.00	ng		-0.02
10) Acenaphthene-d10	14.83	164	28266	5.00	ng		-0.02
16) Phenanthrene-d10	17.56	188	64720	5.00	ng		-0.02
22) Chrysene-d12	21.73	240	77584	5.00	ng		-0.02
28) Perylene-d12	24.14	264	81007	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	8393	2.91	ng		0.00
5) Phenol-d6	7.35	99	7091	1.85	ng		0.00
7) Nitrobenzene-d5	9.34	82	11450	2.87	ng		-0.01
11) 2,4,6-Tribromophenol	16.32	330	6438	7.01	ng		-0.01
12) 2-Fluorobiphenyl	13.46	172	24900	2.78	ng		0.00
24) Terphenyl-d14	20.19	244	38087	3.42	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	2612	1.71	ng	#	30
3) n-Nitrosodimethylamine	3.78	42	3191	1.57	ng		94
8) Naphthalene	11.03	128	31125	2.86	ng		95
9) 2-Methylnaphthalene	12.64	142	21072	2.93	ng		87
13) Acenaphthylene	14.54	152	139080	2.79	ng		98
14) Acenaphthene	14.90	154	21307	2.68	ng	#	90
15) Fluorene	15.88	166	28588	2.84	ng		99
17) Hexachlorobenzene	16.89	284	7351	2.32	ng	#	38
18) Pentachlorophenol	17.24	266	7094	6.01	ng	#	83
19) Phenanthrene	17.60	178	54872	3.10	ng		99
20) Anthracene	17.70	178	49267	2.86	ng		98
21) Fluoranthene	19.63	202	230978	2.92	ng		96
23) Pyrene	19.99	202	253879	3.13	ng		97
25) Benzo(a)anthracene	21.72	228	272784	3.20	ng		98
26) Chrysene	21.72	228	272784	3.19	ng		95
27) Indeno(1,2,3-cd)pyrene	26.63	276	291974	3.15	ng		99
29) Benzo(b)fluoranthene	23.40	252	69159	3.12	ng		96
30) Benzo(k)fluoranthene	23.45	252	63430	2.98	ng		97
31) Benzo(a)pyrene	24.02	252	61030	3.00	ng		95
32) Dibenzo(a,h)anthracene	26.65	278	61460	3.16	ng		95
33) Benzo(g,h,i)perylene	27.42	276	249169	3.00	ng	#	93

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

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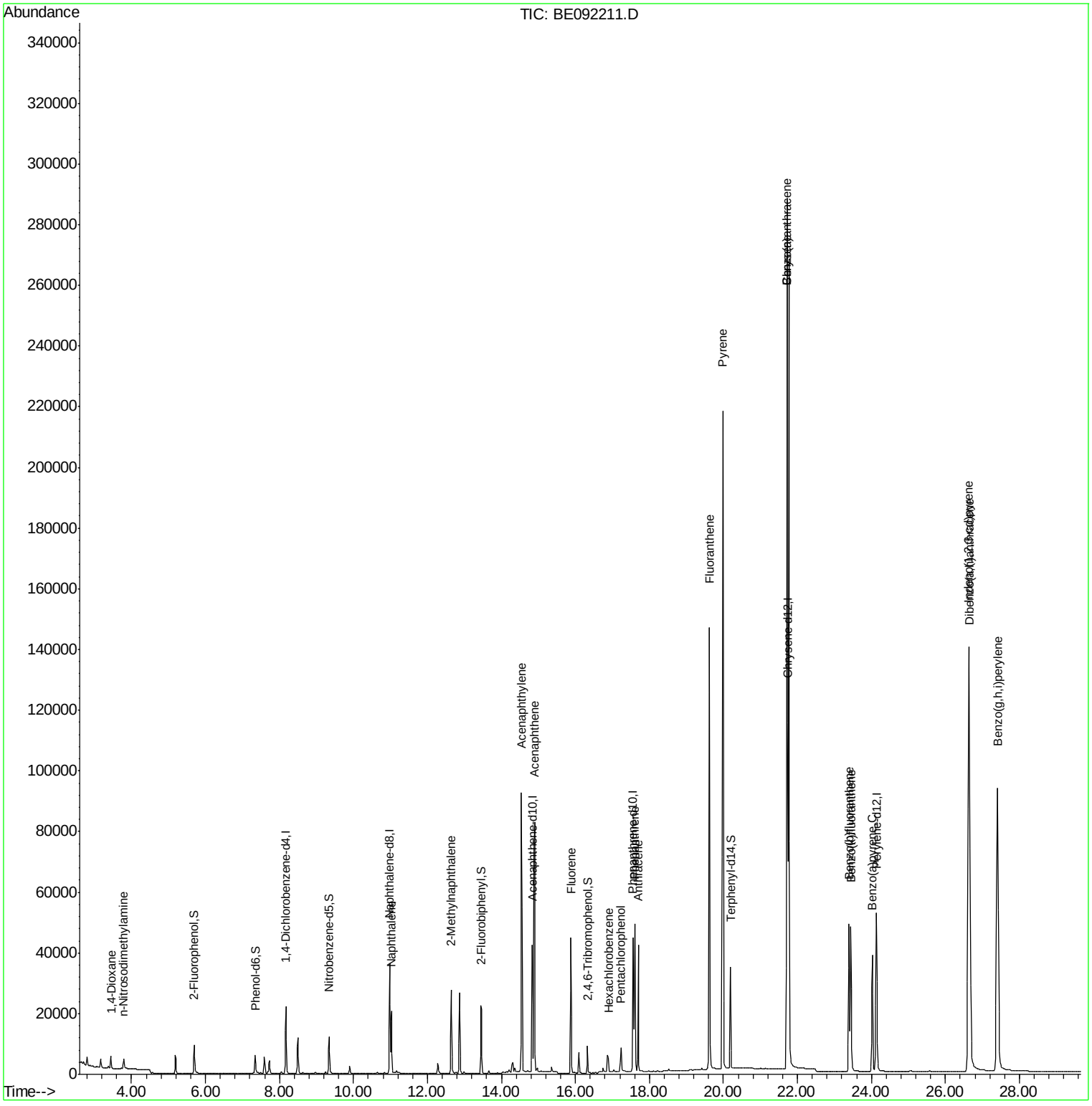
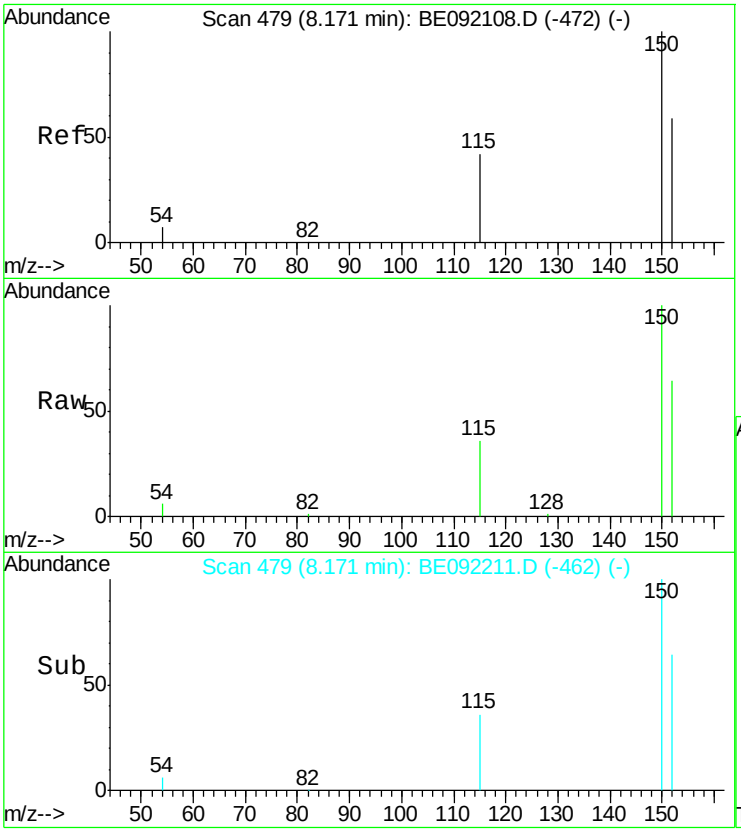


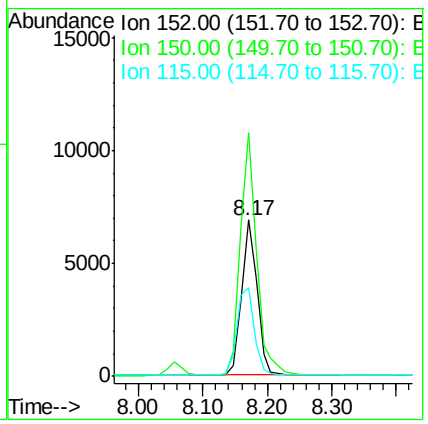


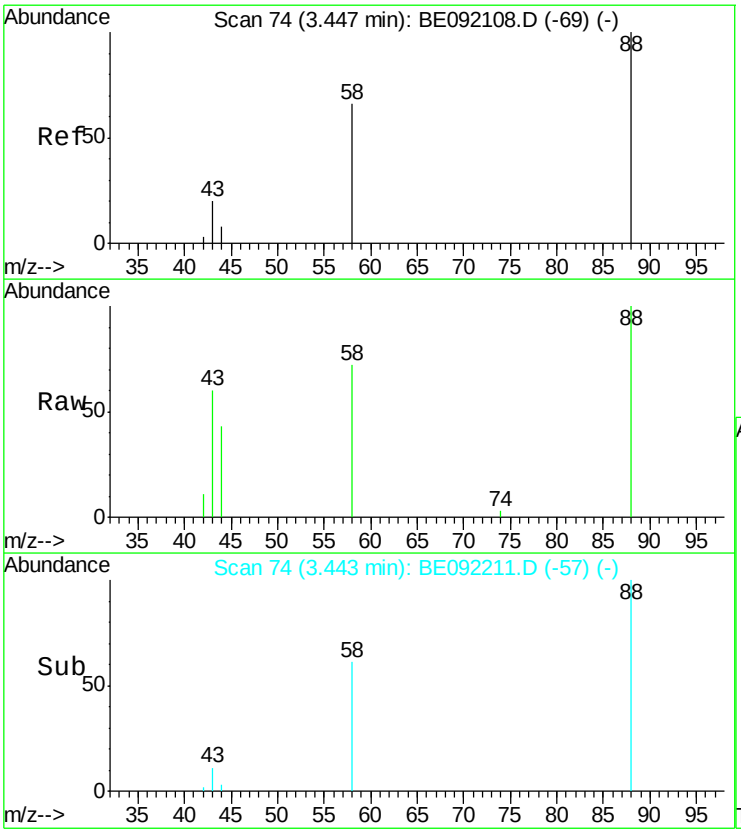
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 11232

Ion	Ratio	Lower	Upper
152	100		
150	156.0	106.0	159.0
115	56.8	36.9	55.3#

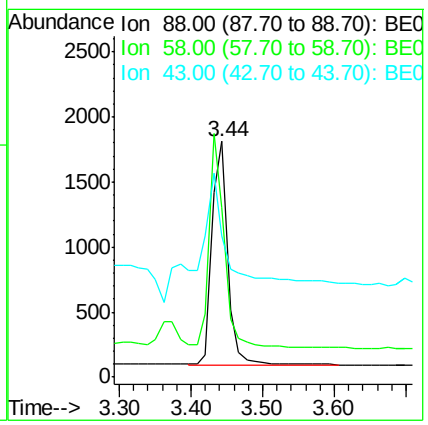


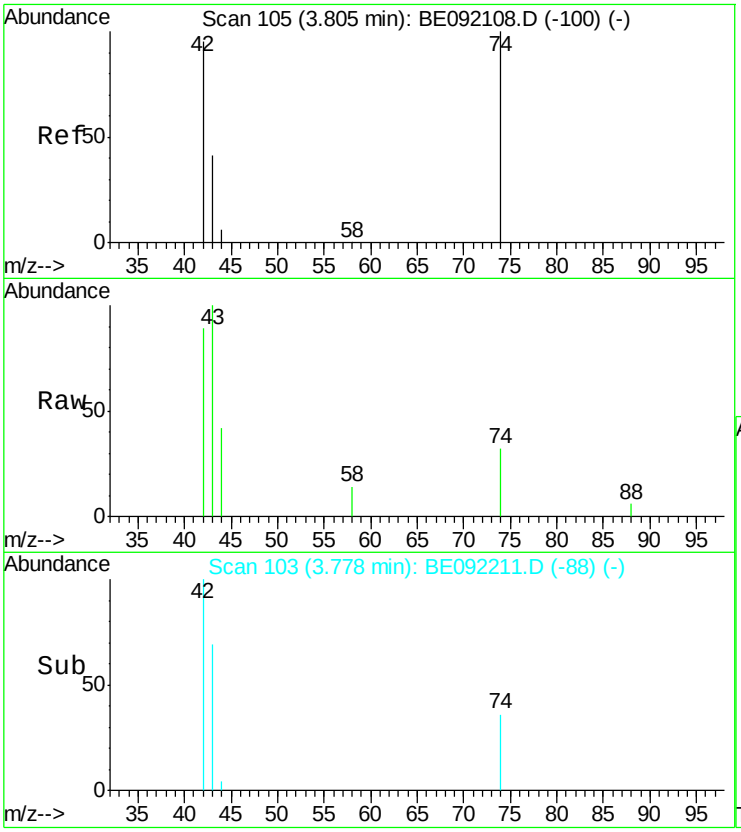


#2
1,4-Dioxane
Concen: 1.71 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion: 88 Resp: 2612

Ion	Ratio	Lower	Upper
88	100		
58	90.2	62.1	93.1
43	147.4	27.2	40.8#



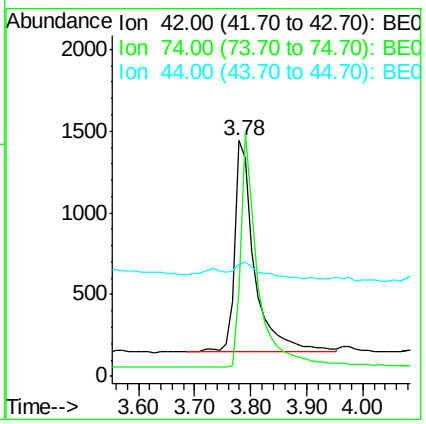


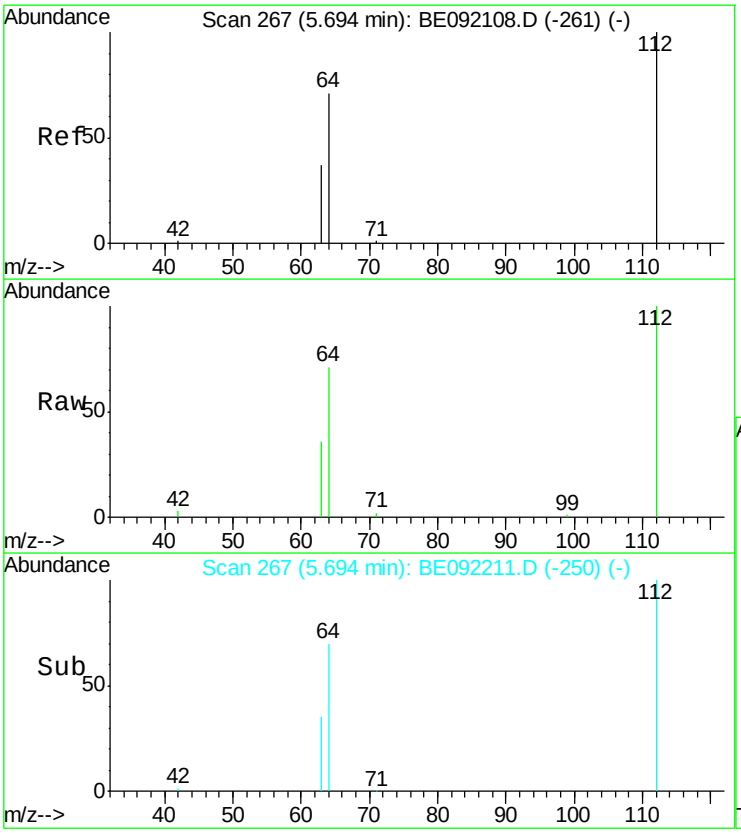
#3
n-Nitrosodimethylamine
Concen: 1.57 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.03 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 3191

Ion	Ratio	Lower	Upper
42	100		
74	96.8	82.8	124.2
44	9.7	9.0	13.4

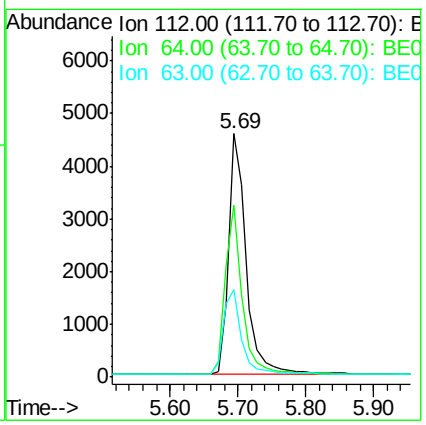


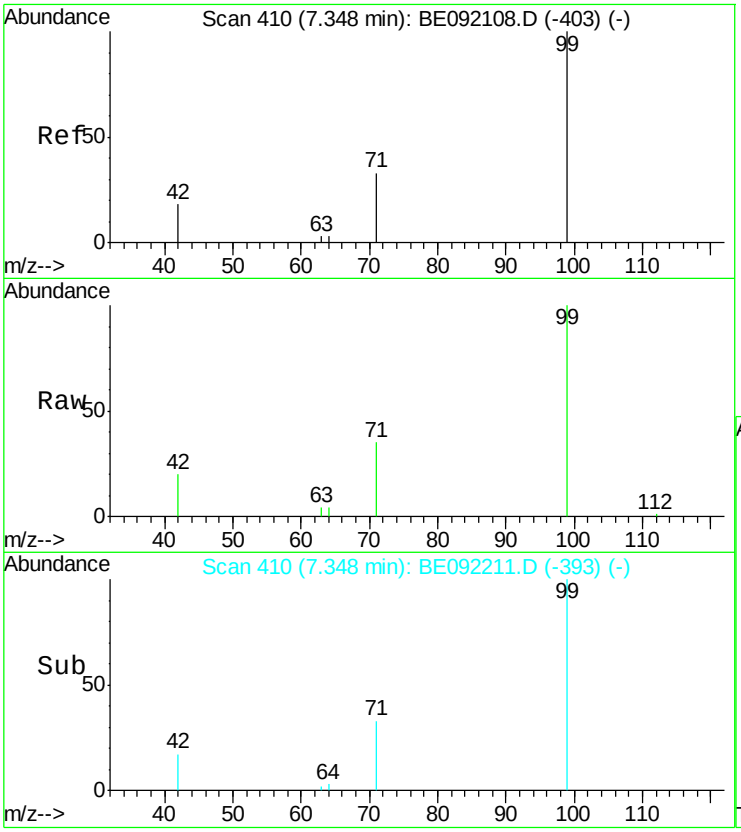


#4
2-Fluorophenol
Concen: 2.91 ng
RT: 5.69 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:112 Resp: 8393

Ion	Ratio	Lower	Upper
112	100		
64	67.9	55.9	83.9
63	36.2	31.1	46.7



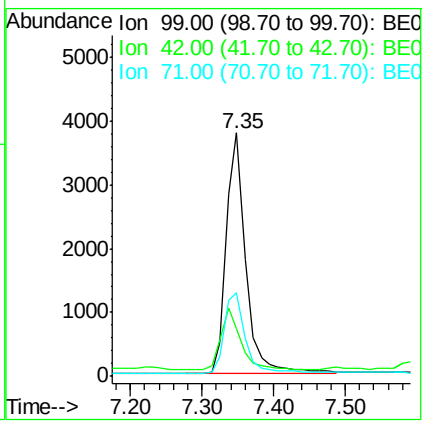


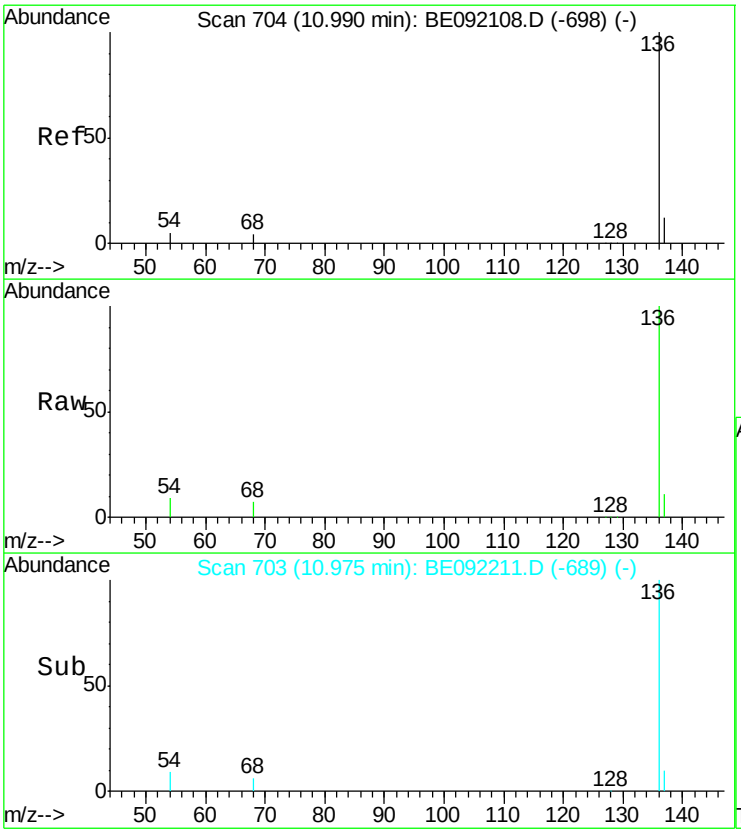
#5
Phenol-d6
Concen: 1.85 ng
RT: 7.35 min Scan# 410
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 7091

Ion	Ratio	Lower	Upper
99	100		
42	25.3	22.4	33.6
71	36.1	28.9	43.3

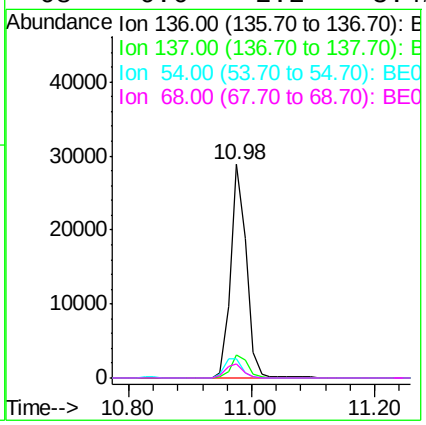


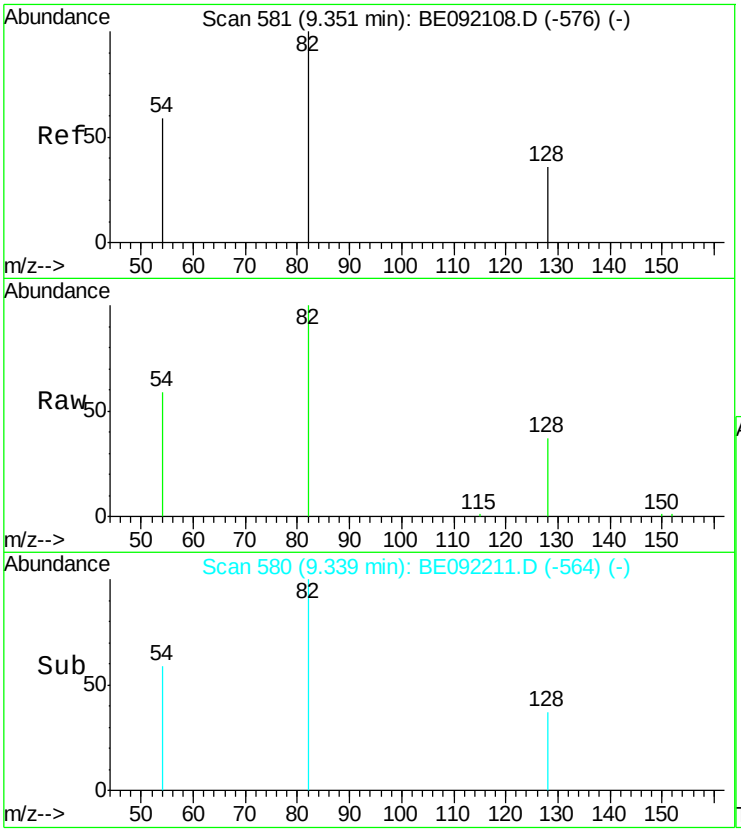


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:136 Resp: 50636

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	9.2	2.7	4.1#
68	6.6	2.2	3.4#



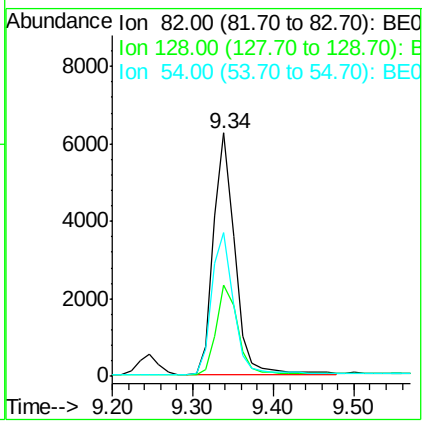


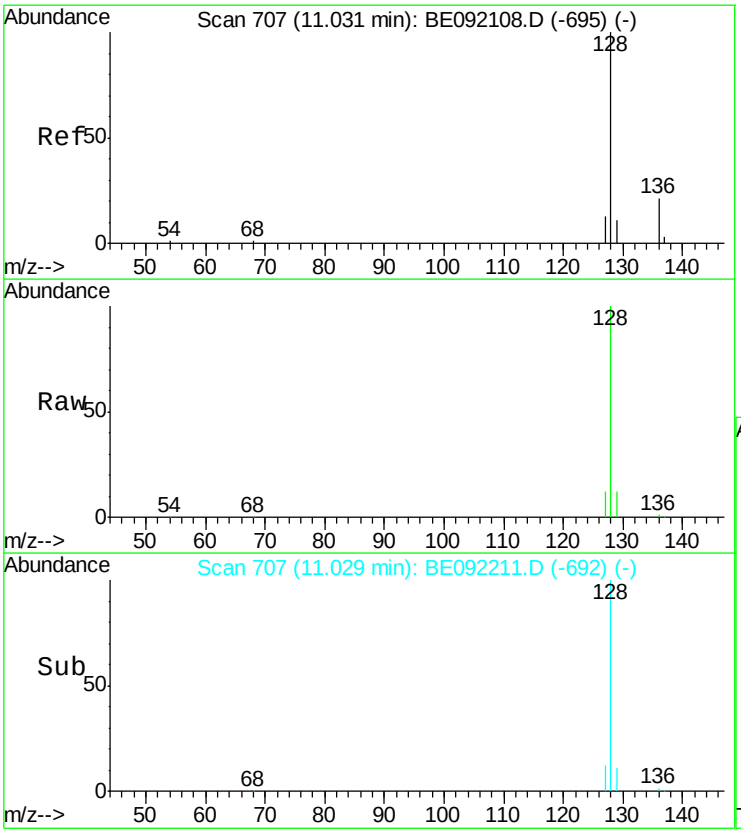
#7
Nitrobenzene-d5
Concen: 2.87 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 11450

Ion	Ratio	Lower	Upper
82	100		
128	37.3	33.0	49.4
54	59.3	42.6	63.8

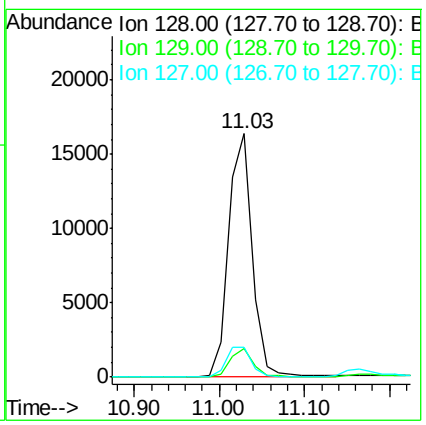


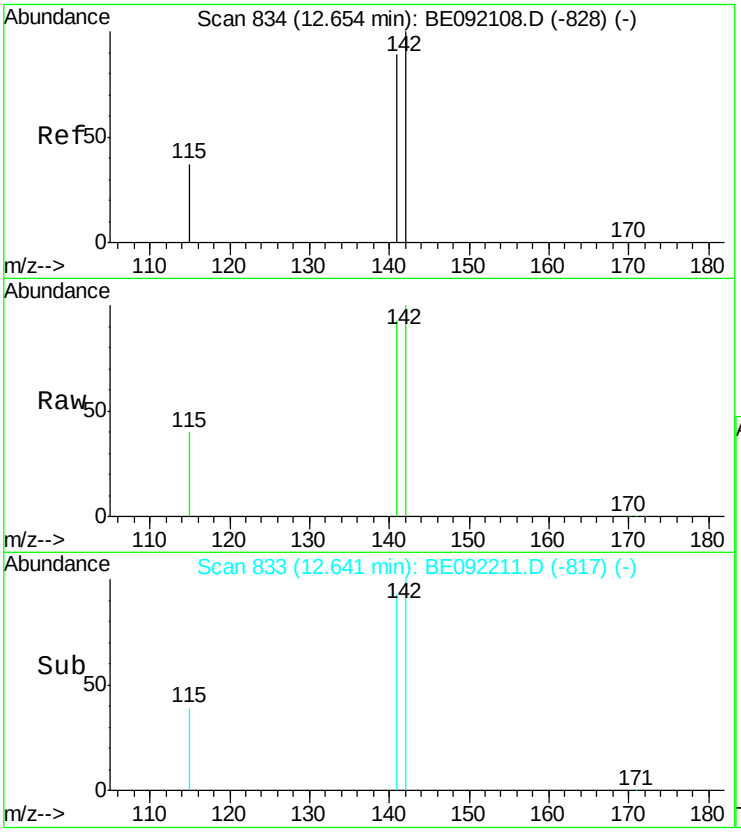


#8
Naphthalene
Concen: 2.86 ng
RT: 11.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:128 Resp: 31125

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



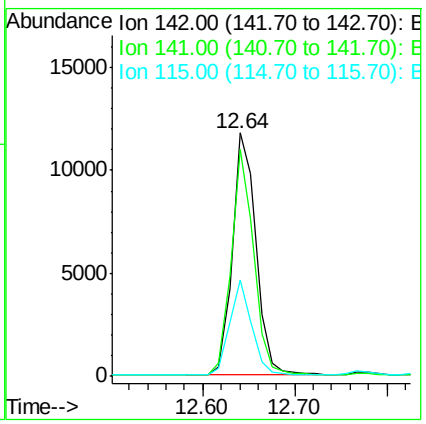


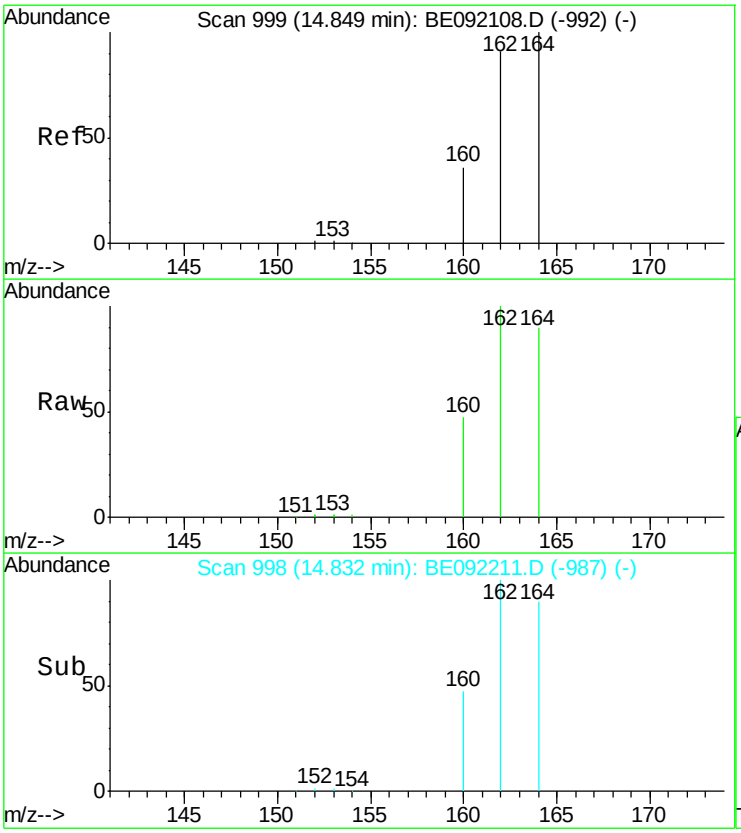
#9
2-Methylnaphthalene
Concen: 2.93 ng
RT: 12.64 min Scan# 833
Delta R.T. -0.01 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 21072

Ion	Ratio	Lower	Upper
142	100		
141	93.3	65.1	97.7
115	39.8	27.0	40.4

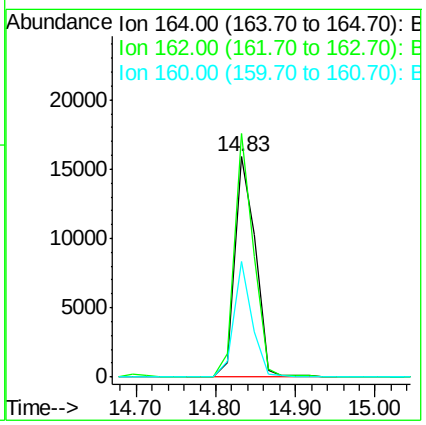


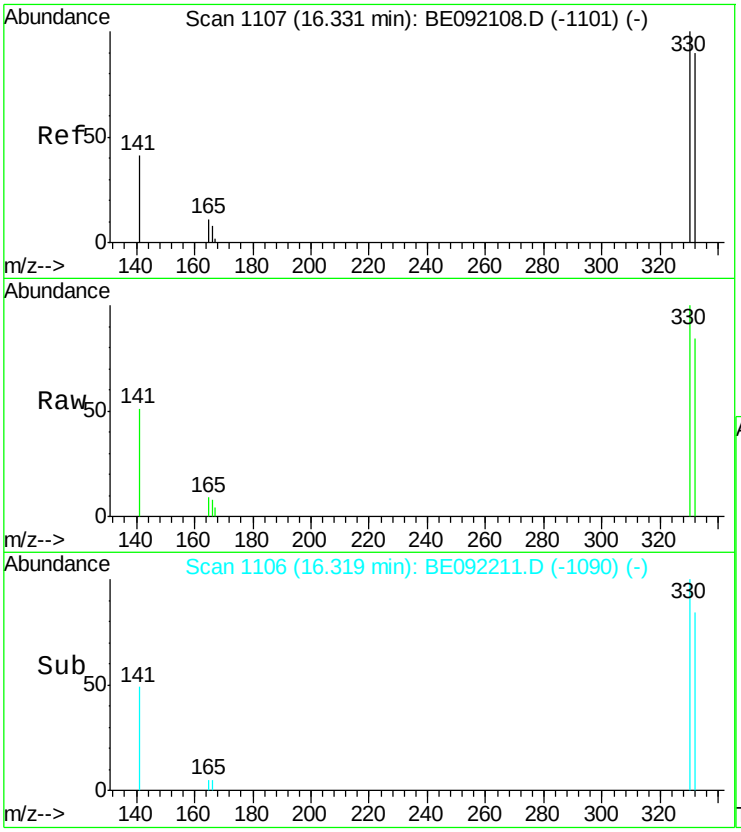


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:164 Resp: 28266

Ion	Ratio	Lower	Upper
164	100		
162	110.6	69.5	104.3#
160	52.3	27.6	41.4#



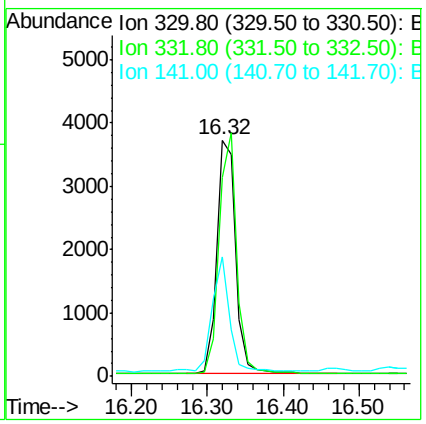


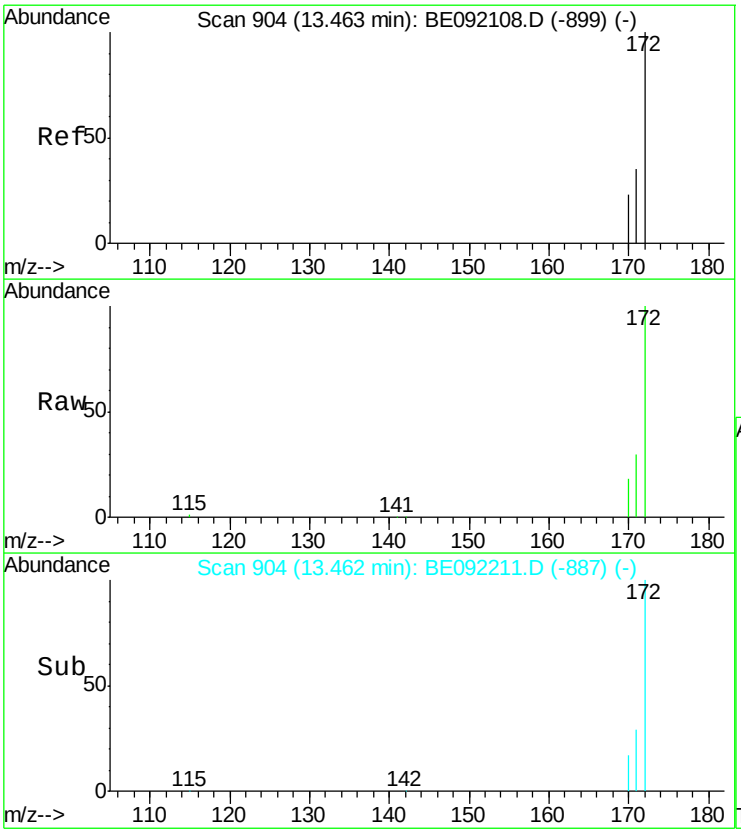
#11
2,4,6-Tribromophenol
Concen: 7.01 ng
RT: 16.32 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:330 Resp: 6438

Ion	Ratio	Lower	Upper
330	100		
332	97.0	74.2	111.4
141	45.2	139.8	209.8#

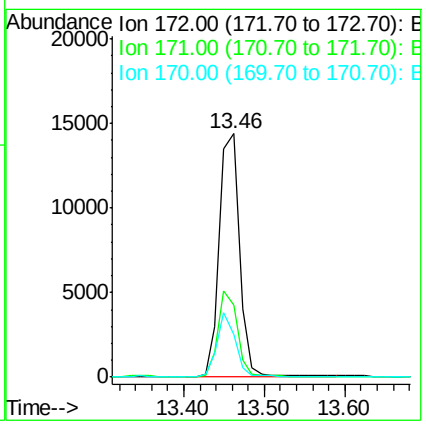


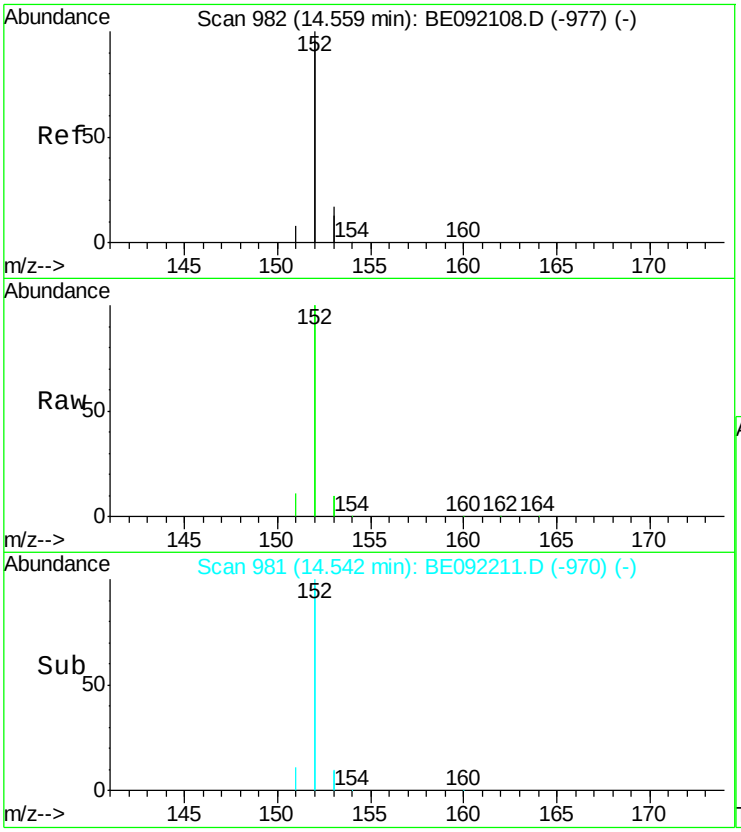


#12
2-Fluorobiphenyl
Concen: 2.78 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:172 Resp: 24900

Ion	Ratio	Lower	Upper
172	100		
171	29.7	30.3	45.5#
170	17.7	21.6	32.4#



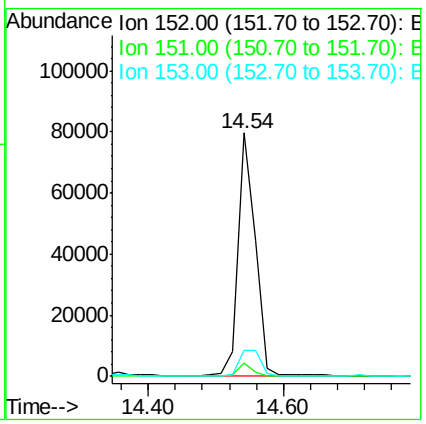


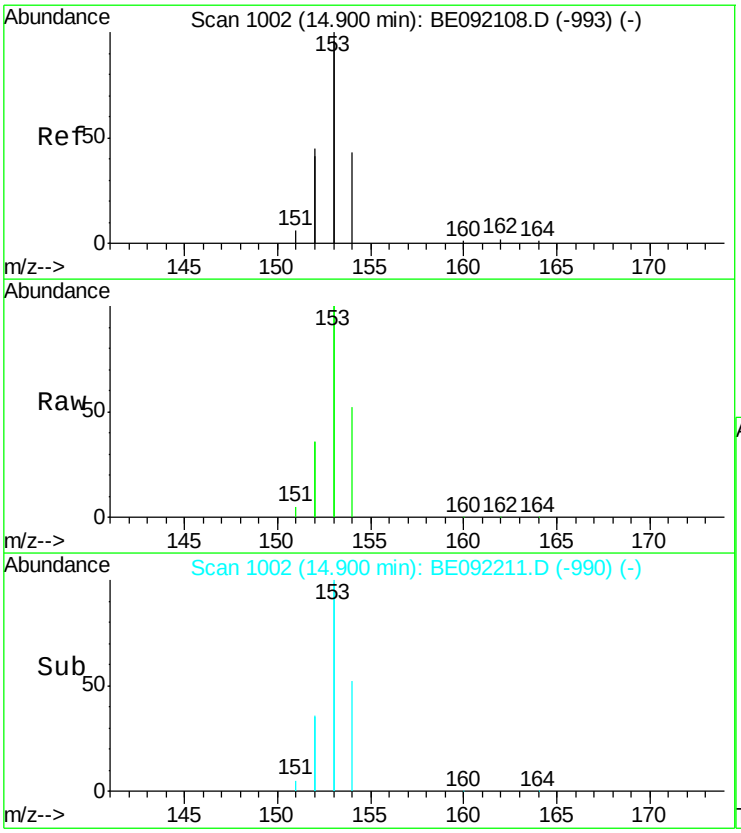
#13
Acenaphthylene
Concen: 2.79 ng
RT: 14.54 min Scan# 981
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 139080

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	13.0	9.6	14.4

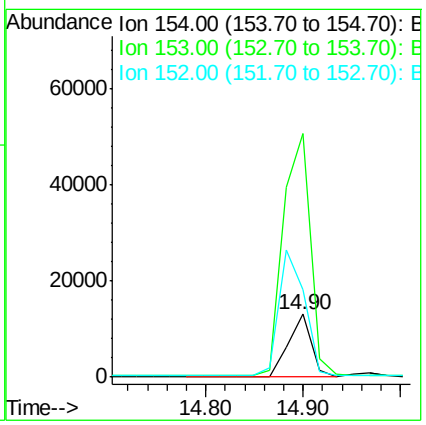


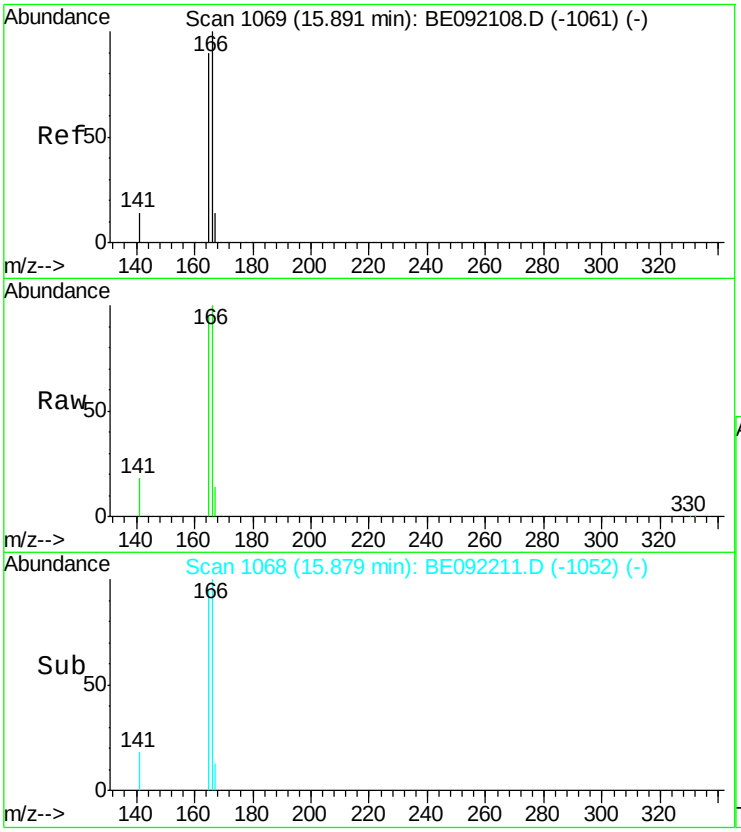


#14
Acenaphthene
Concen: 2.68 ng
RT: 14.90 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:154 Resp: 21307

Ion	Ratio	Lower	Upper
154	100		
153	456.0	345.1	517.7
152	224.4	0.0	0.0#



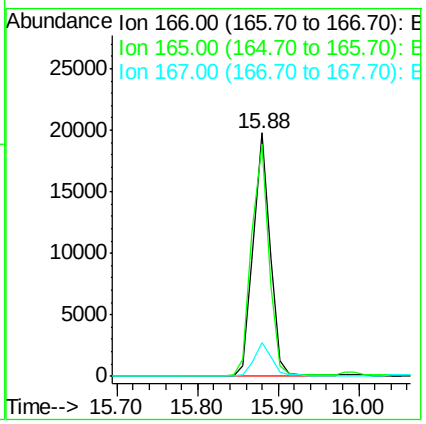


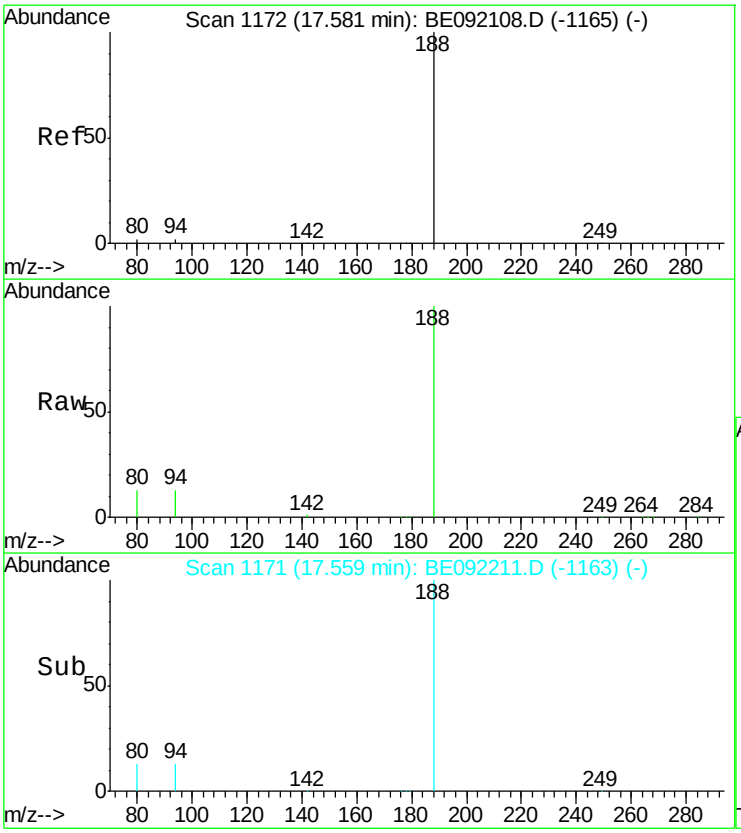
#15
Fluorene
Concen: 2.84 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:166 Resp: 28588

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	118.0
167	13.6	11.1	16.7

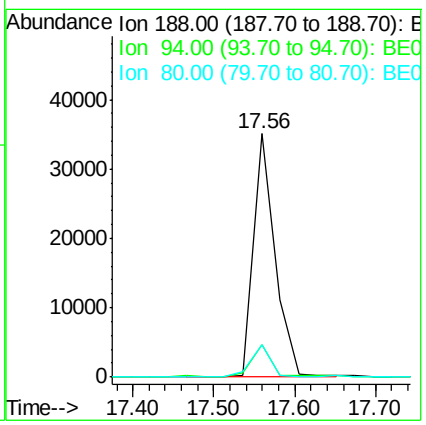


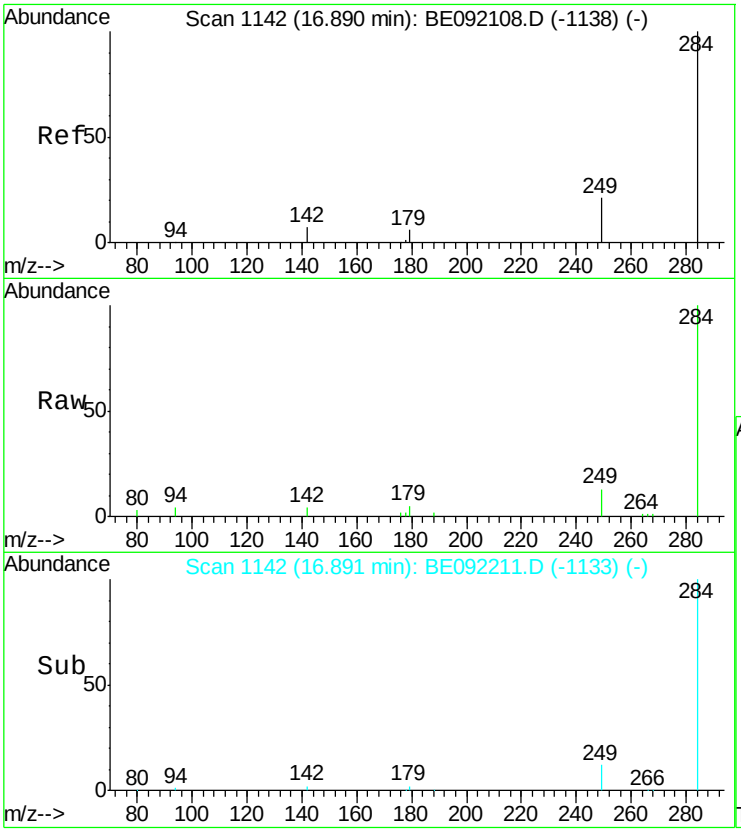


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:188 Resp: 64720

Ion	Ratio	Lower	Upper
188	100		
94	13.1	3.9	5.9#
80	13.3	3.4	5.0#



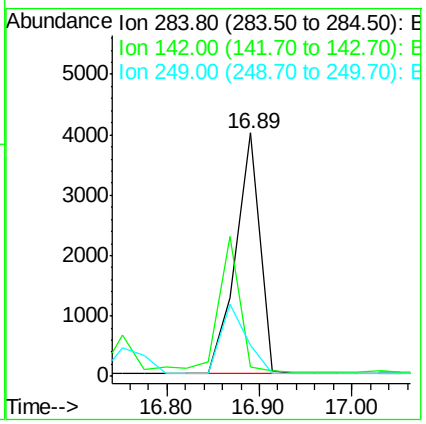


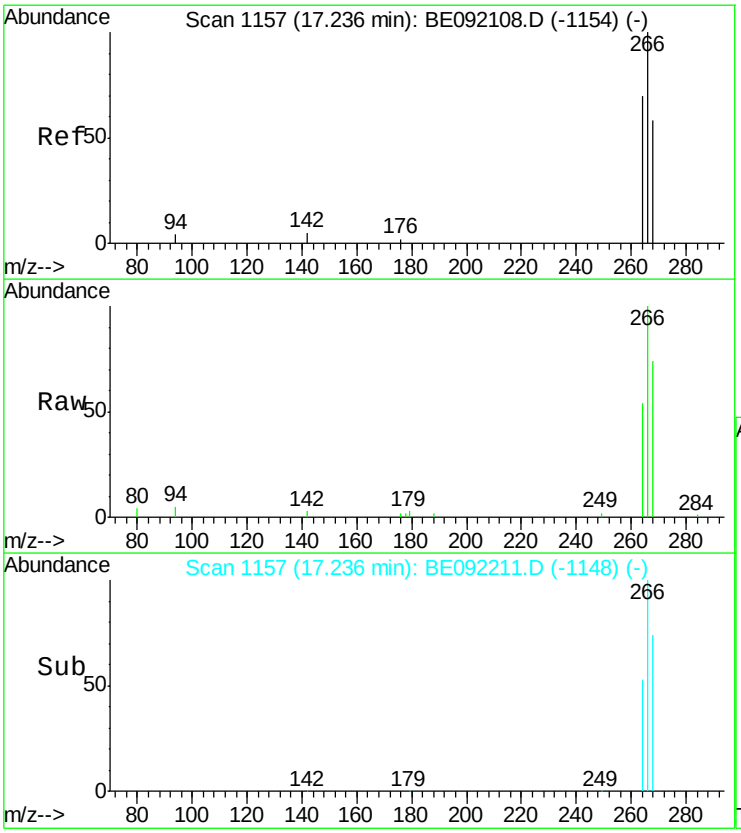
#17
Hexachlorobenzene
Concen: 2.32 ng
RT: 16.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 7351

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

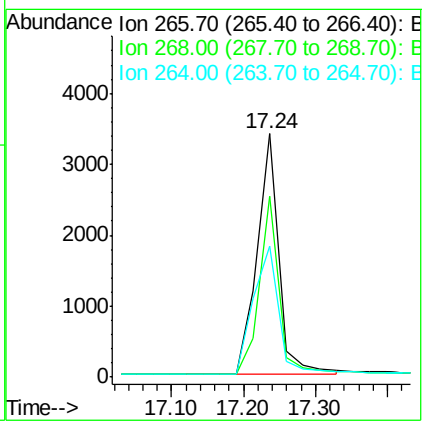


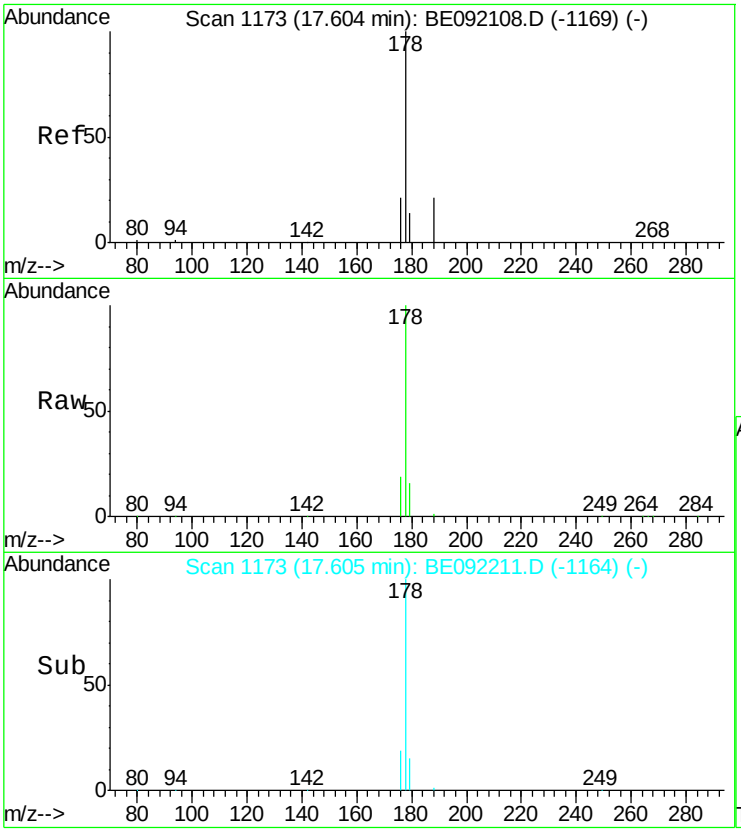


#18
Pentachlorophenol
Concen: 6.01 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:266 Resp: 7094

Ion	Ratio	Lower	Upper
266	100		
268	74.2	62.7	94.1
264	53.8	63.5	95.3#



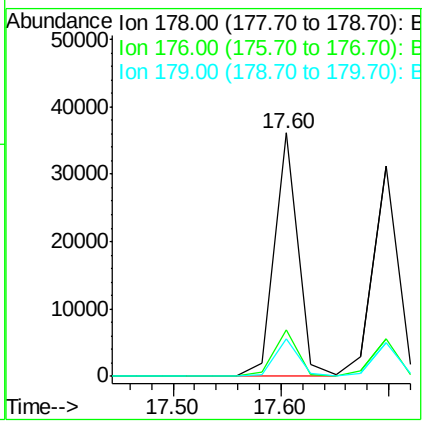


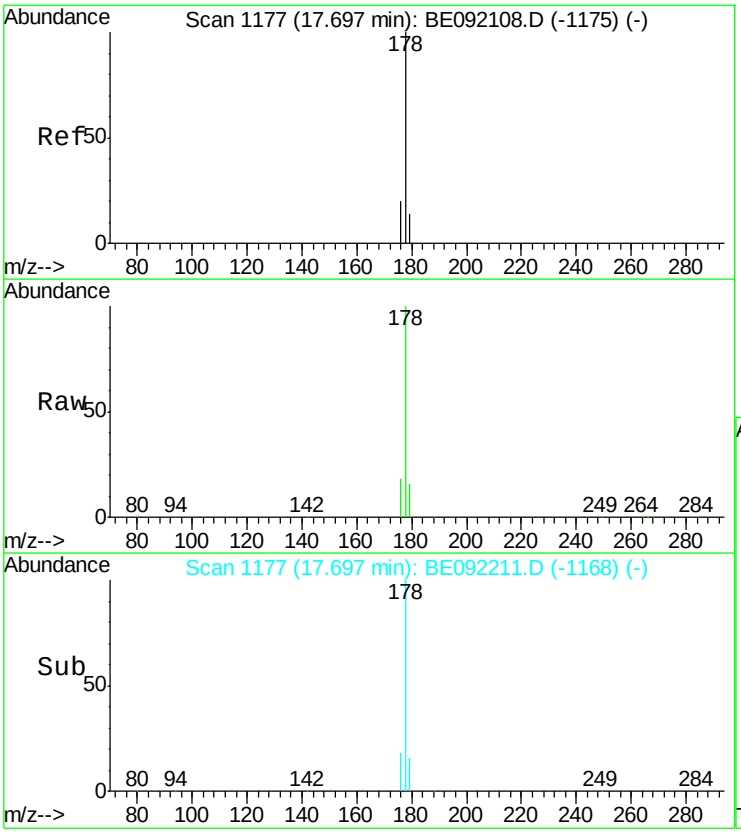
#19
Phenanthrene
Concen: 3.10 ng
RT: 17.60 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 54872

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.7	19.1

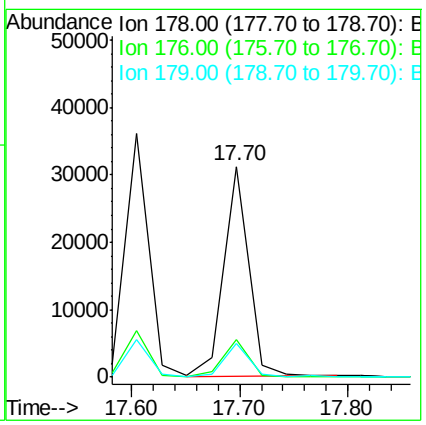


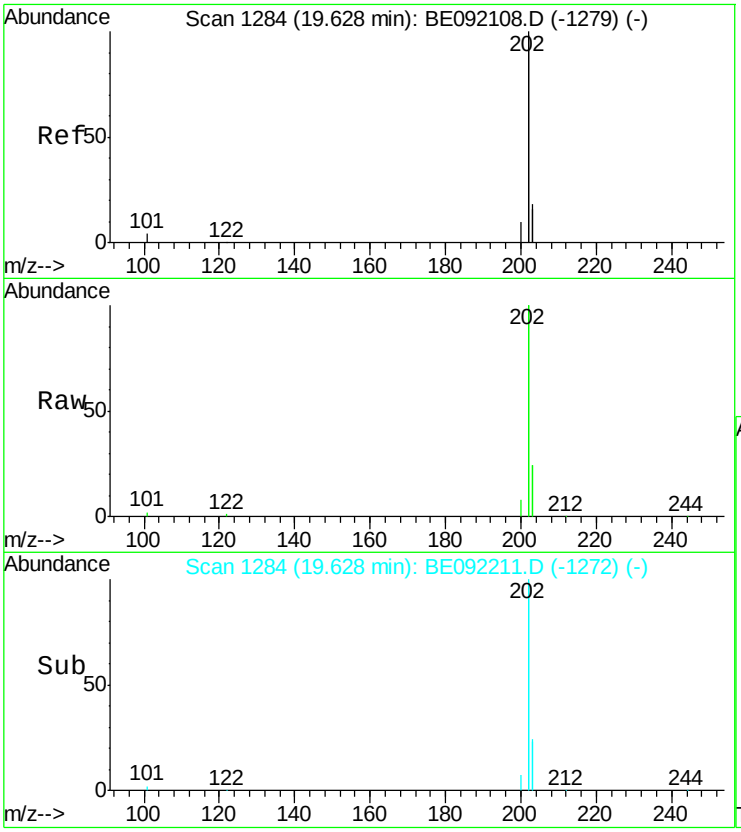


#20
Anthracene
Concen: 2.86 ng
RT: 17.70 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:178 Resp: 49267

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.2	22.8
179	16.1	12.2	18.4



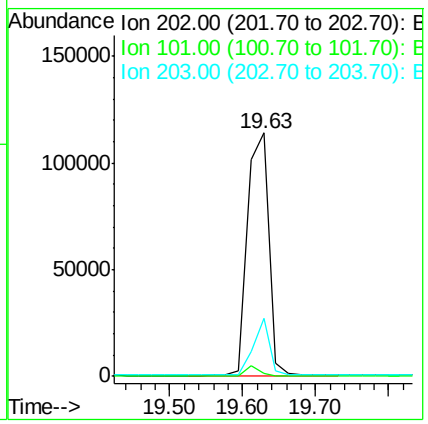


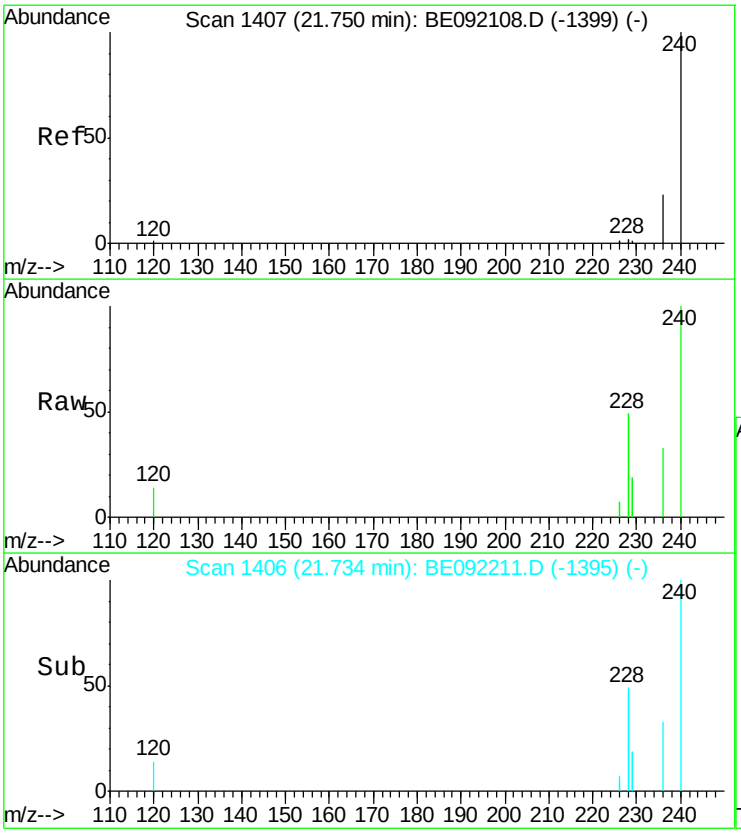
#21
Fluoranthene
Concen: 2.92 ng
RT: 19.63 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 230978

Ion	Ratio	Lower	Upper
202	100		
101	3.1	2.2	3.2
203	17.9	13.0	19.4

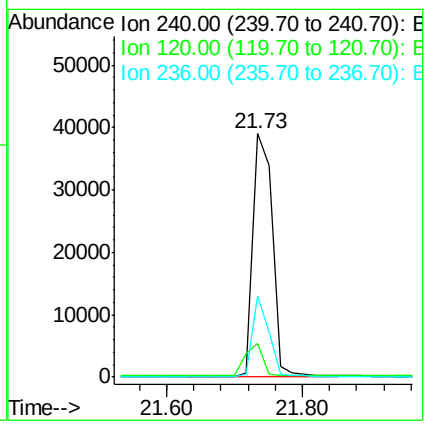


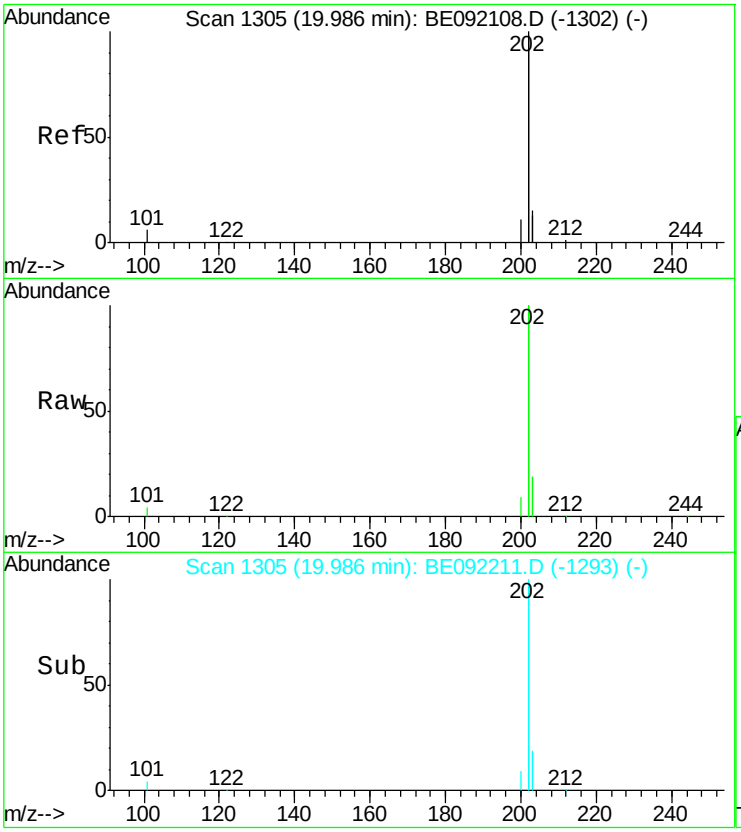


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:240 Resp: 77584

Ion	Ratio	Lower	Upper
240	100		
120	14.0	0.6	1.0#
236	33.3	18.2	27.4#



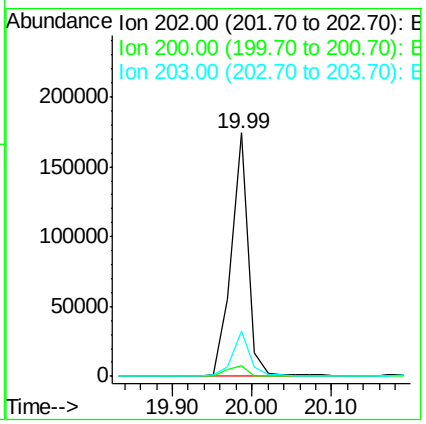


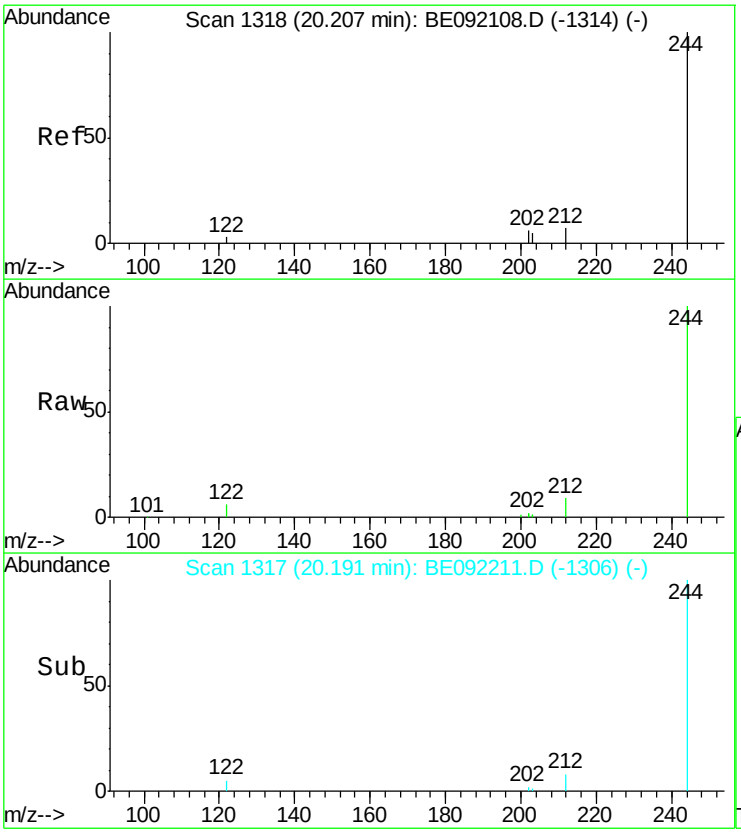
#23
Pyrene
Concen: 3.13 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 253879

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.4	6.6
203	18.1	13.4	20.0

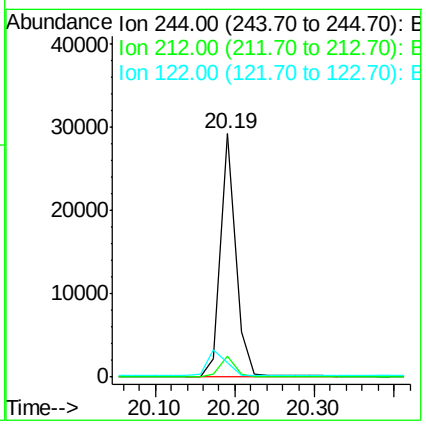


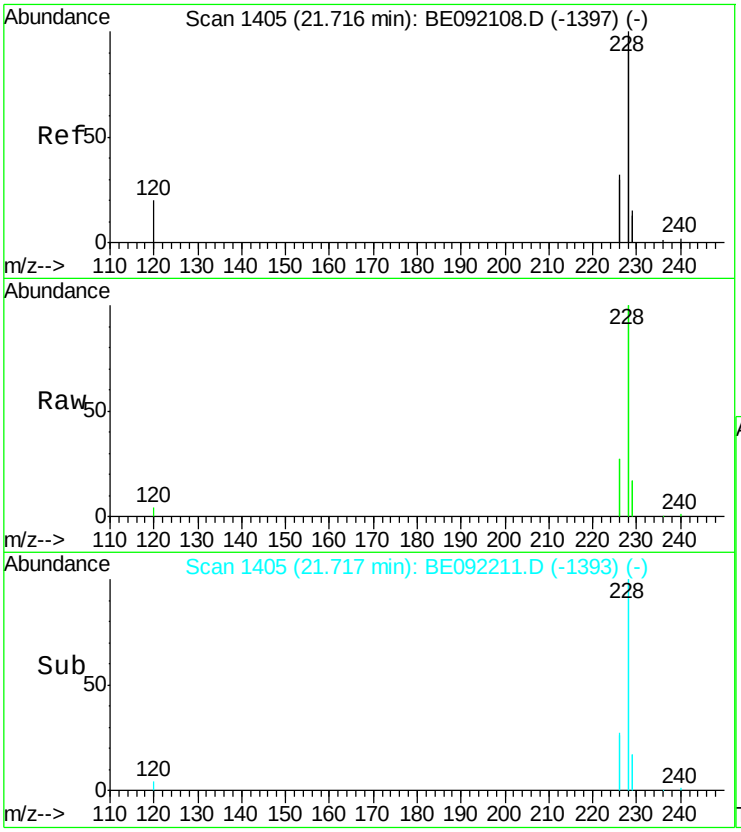


#24
Terphenyl-d14
Concen: 3.42 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:244 Resp: 38087

Ion	Ratio	Lower	Upper
244	100		
212	8.6	9.1	13.7#
122	6.1	11.0	16.4#



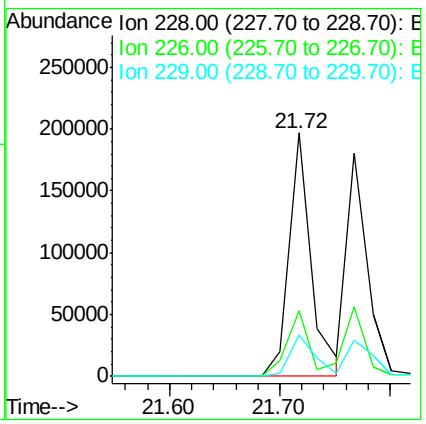


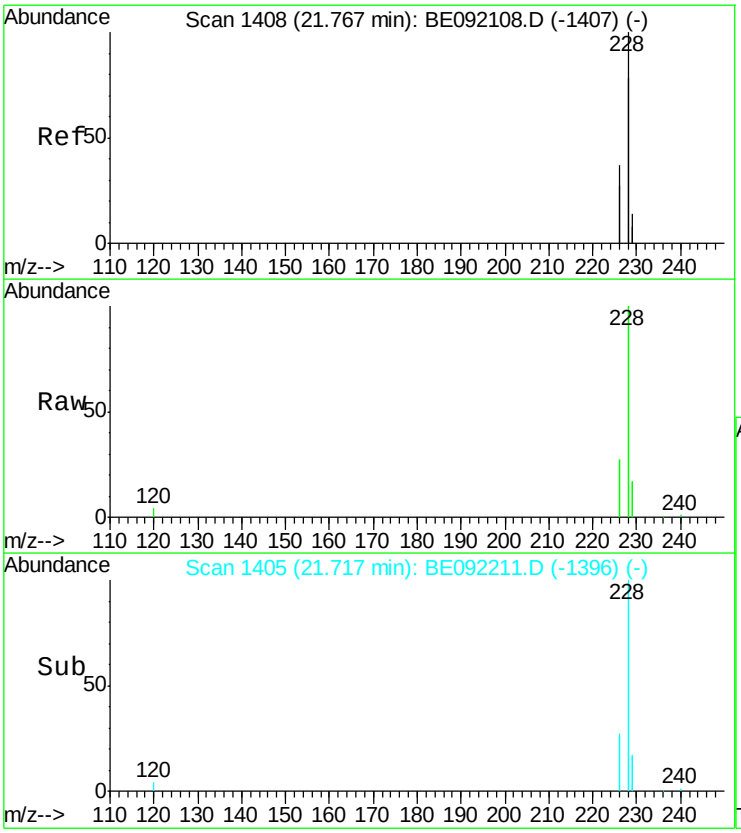
#25
Benzo(a)anthracene
Concen: 3.20 ng
RT: 21.72 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 272784

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	17.2	15.1	22.7

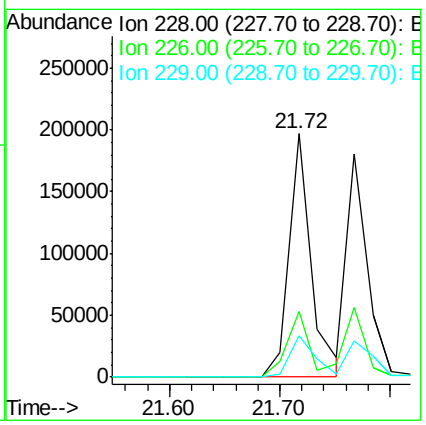


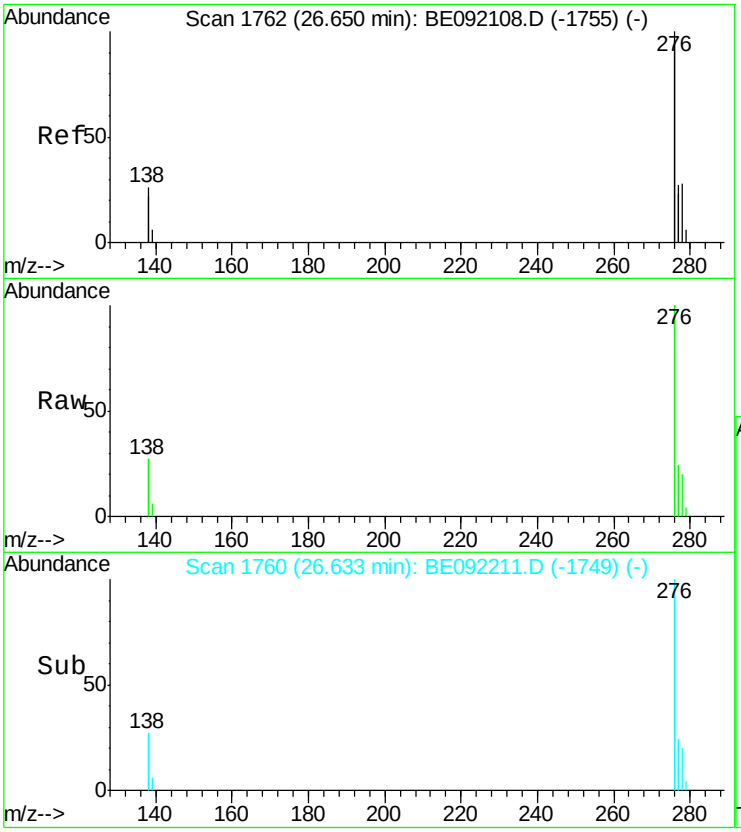


#26
Chrysene
Concen: 3.19 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.05 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:228 Resp: 272784

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.3	33.5
229	17.2	16.9	25.3



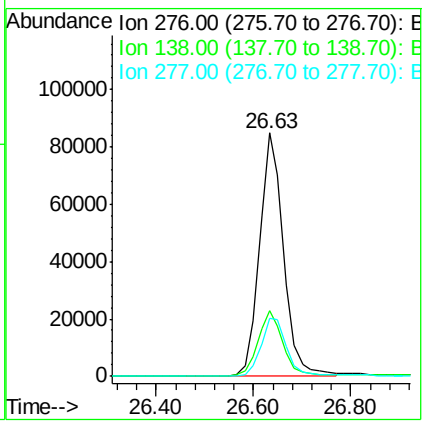


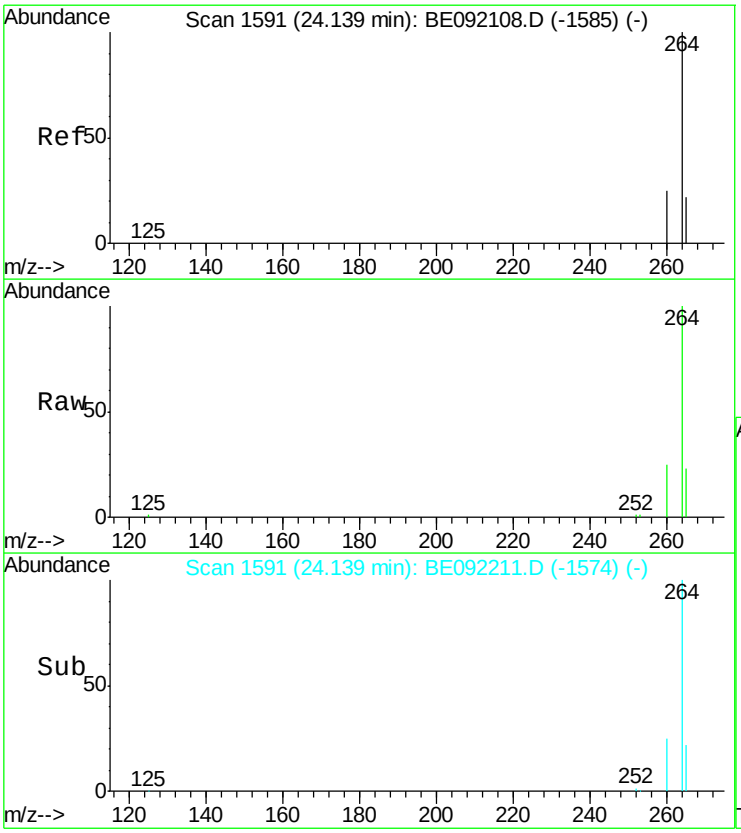
#27
Indeno(1,2,3-cd)pyrene
Concen: 3.15 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 291974

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.2	31.8
277	24.9	19.8	29.8

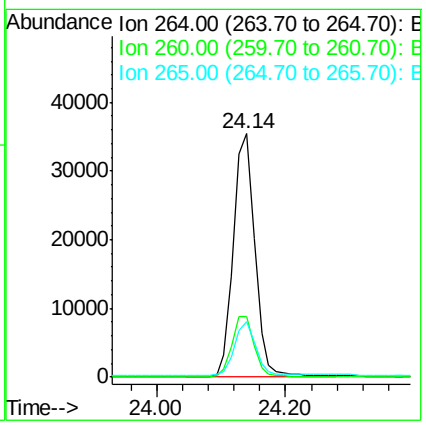


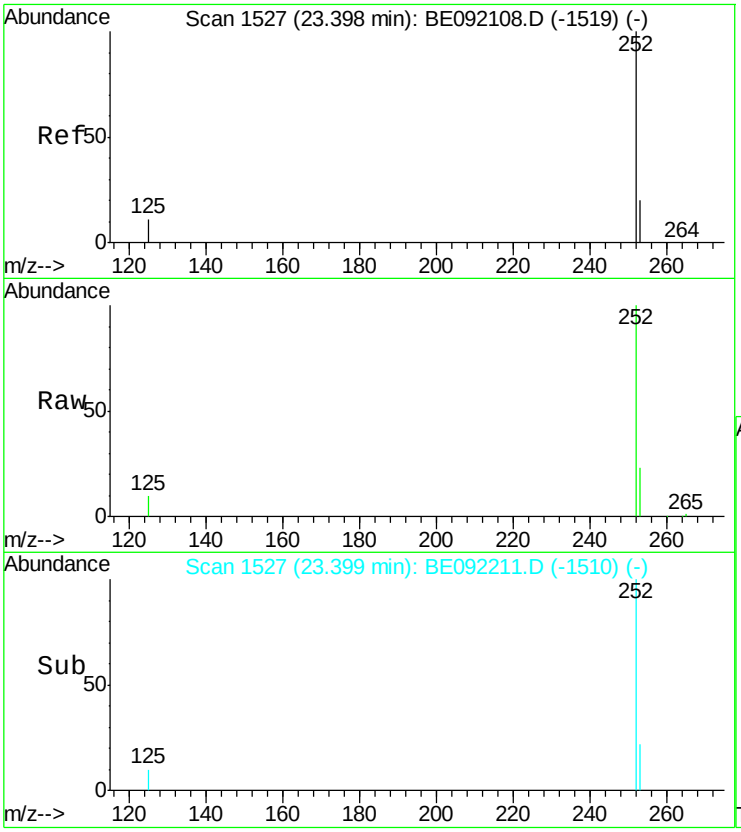


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:264 Resp: 81007

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.8	31.2
265	22.6	16.6	25.0



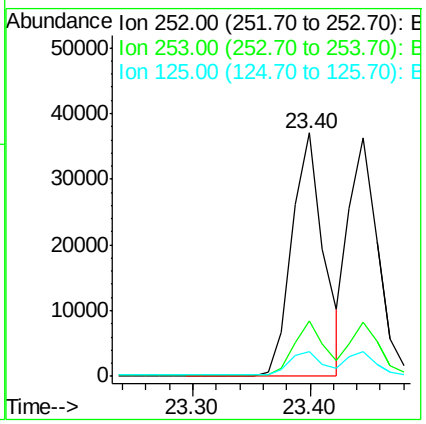


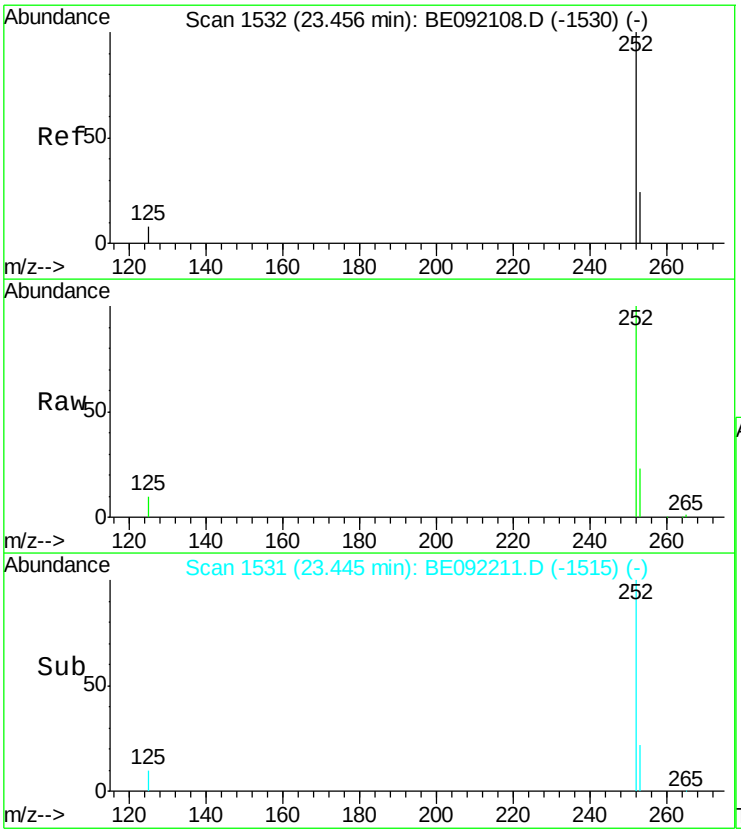
#29
Benzo(b)fluoranthene
Concen: 3.12 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 69159

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	10.2	10.2	15.2

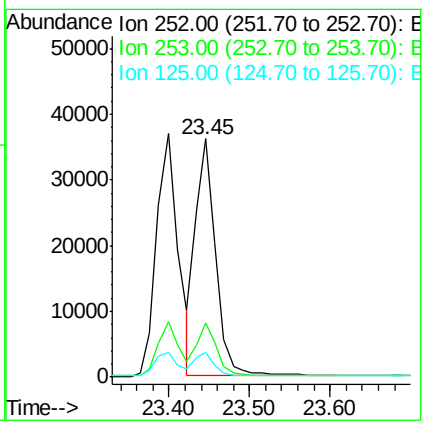


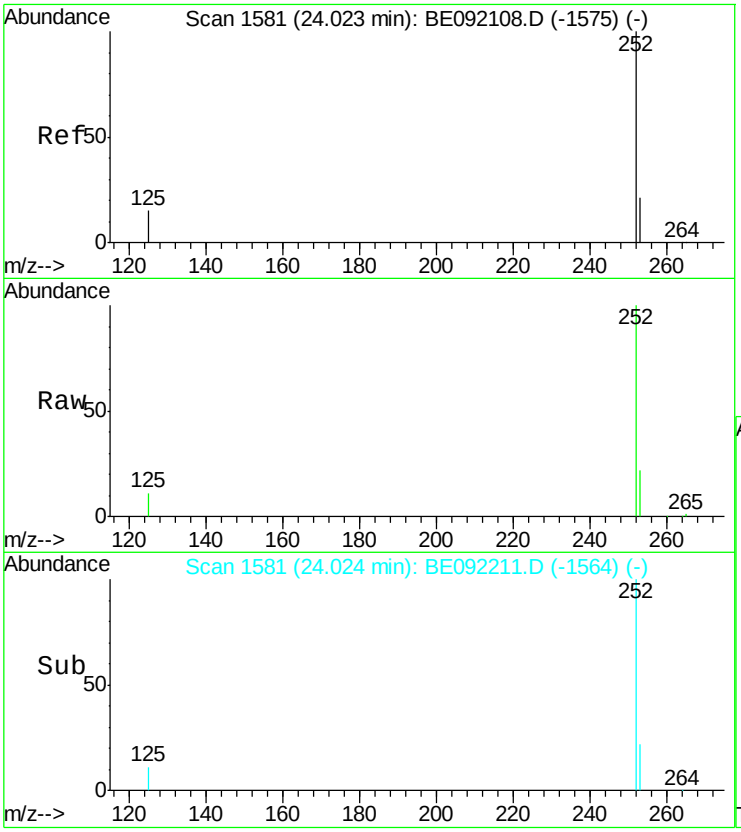


#30
Benzo(k)fluoranthene
Concen: 2.98 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:252 Resp: 63430

Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.4	29.0
125	10.2	8.9	13.3



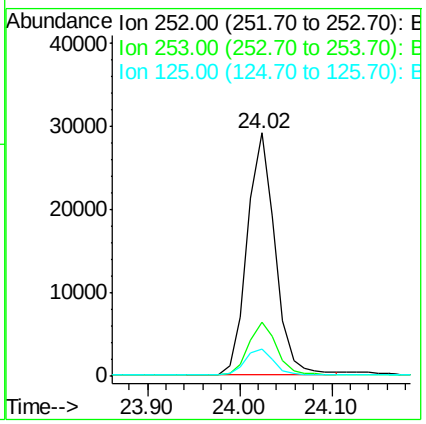


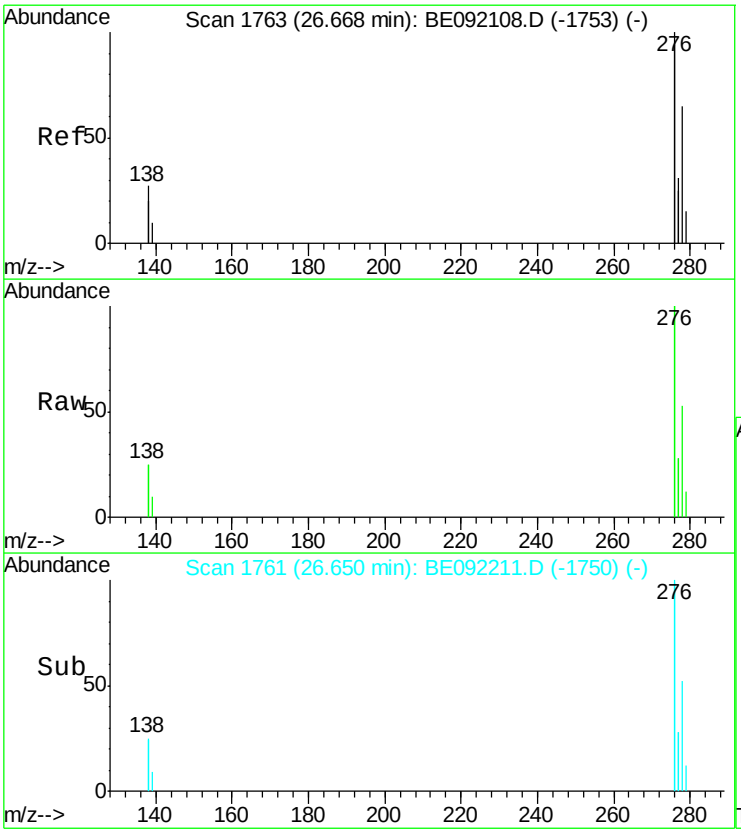
#31
Benzo(a)pyrene
Concen: 3.00 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 61030

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.8	29.8
125	11.3	10.4	15.6

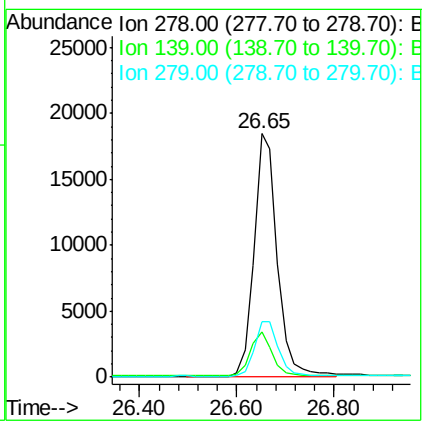


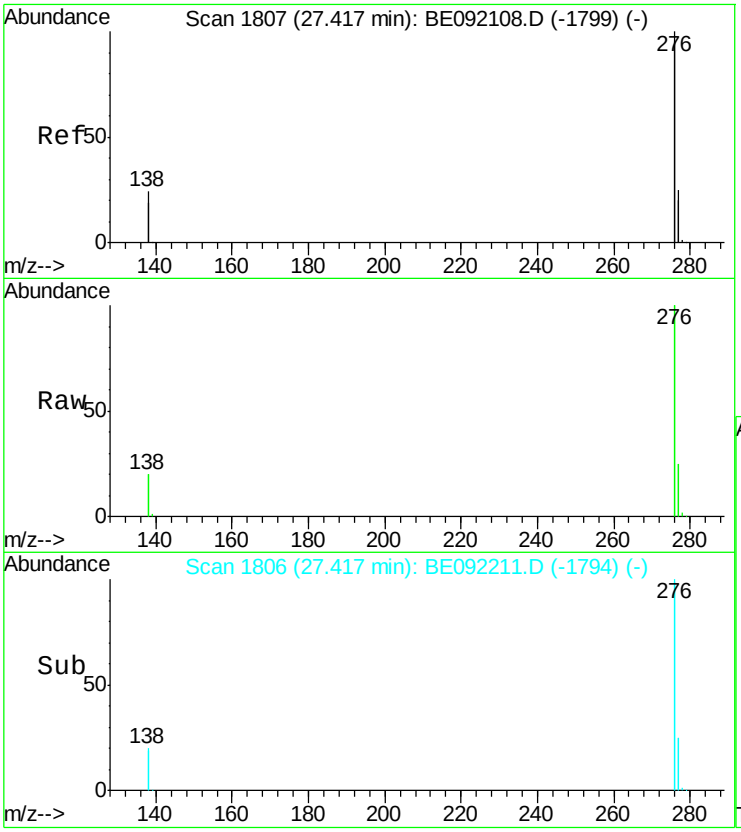


#32
Dibenzo(a,h)anthracene
Concen: 3.16 ng
RT: 26.65 min Scan# 1761
Delta R.T. -0.02 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Tgt Ion:278 Resp: 61460

Ion	Ratio	Lower	Upper
278	100		
139	18.4	16.7	25.1
279	22.6	20.3	30.5





#33
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 27.42 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BE092211.D
Acq: 5 Aug 2016 9:34

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 249169

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.5	29.3
138	20.5	20.8	31.2#