Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
Data File : BE092113.D
Acq On : 2 Aug 2016 15:59
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 02 16:33:58 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 13:43:25 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11723	5.00	ng		0.00
6) Naphthalene-d8	10.99	136	56677	5.00	ng		0.00
10) Acenaphthene-d10	14.85	164	32518	5.00	ng		0.00
16) Phenanthrene-d10	17.56	188	69310	5.00	ng		-0.02
22) Chrysene-d12	21.75	240	84283	5.00	ng		0.00
28) Perylene-d12	24.14	264	85078	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	31084	8.13	ng		0.00
5) Phenol-d6	7.34	99	45307	9.86	ng		-0.01
7) Nitrobenzene-d5	9.34	82	44511	9.15	ng		-0.01
11) 2,4,6-Tribromophenol	16.33	330	13604	5.77	ng		0.00
12) 2-Fluorobiphenyl	13.46	172	98007	7.78	ng		0.00
24) Terphenyl-d14	20.19	244	126674	9.89	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.43	88	13623	8.05	ng		92
3) n-Nitrosodimethylamine	3.78	42	22495	10.45	ng	#	98
8) Naphthalene	11.03	128	121431	9.30	ng		95
9) 2-Methylnaphthalene	12.65	142	80644	9.22	ng		98
13) Acenaphthylene	14.54	152	574208	7.97	ng		98
14) Acenaphthene	14.90	154	91312	9.18	ng	#	96
15) Fluorene	15.88	166	108164	7.23	ng		99
17) Hexachlorobenzene	16.89	284	32140	13.87	ng	#	60
18) Pentachlorophenol	17.24	266	16066	37.81	ng	#	82
19) Phenanthrene	17.60	178	185670	9.97	ng		98
20) Anthracene	17.70	178	192383	13.92	ng		99
21) Fluoranthene	19.63	202	826715	15.23	ng		97
23) Pyrene	19.99	202	868921	9.07	ng		98
25) Benzo(a)anthracene	21.72	228	900909	39.54	ng		95
26) Chrysene	21.77	228	854560	42.60	ng	#	86
27) Indeno(1,2,3-cd)pyrene	26.65	276	987080	11.04	ng		100
29) Benzo(b)fluoranthene	23.40	252	215561	9.13	ng		98
30) Benzo(k)fluoranthene	23.45	252	220809	9.15	ng		96
31) Benzo(a)pyrene	24.02	252	212160	9.68	ng		95
32) Dibenzo(a,h)anthracene	26.67	278	202929	9.96	ng	#	93
33) Benzo(g,h,i)perylene	27.42	276	841593	9.83	ng		96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 13:43:25 2016
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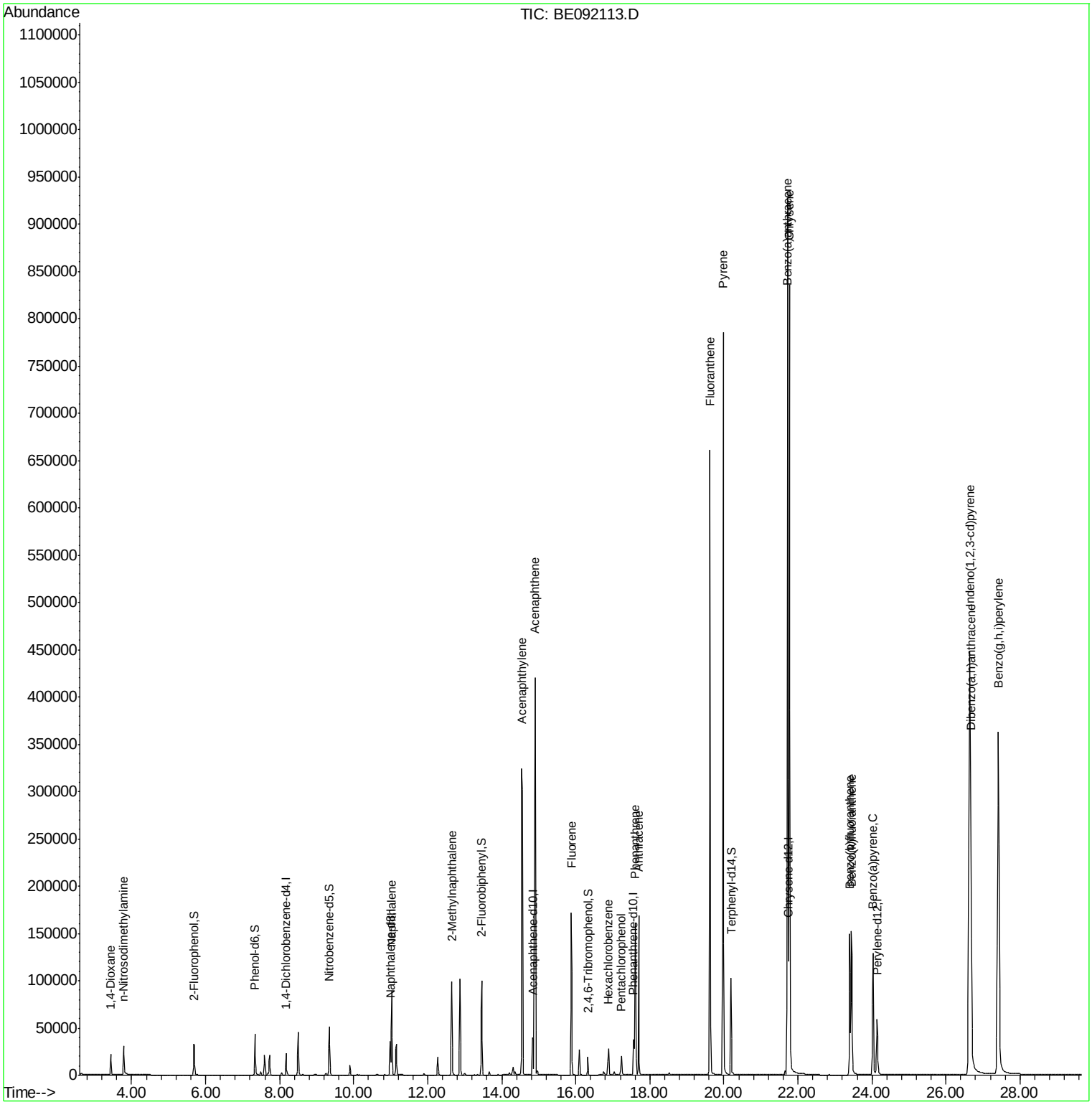
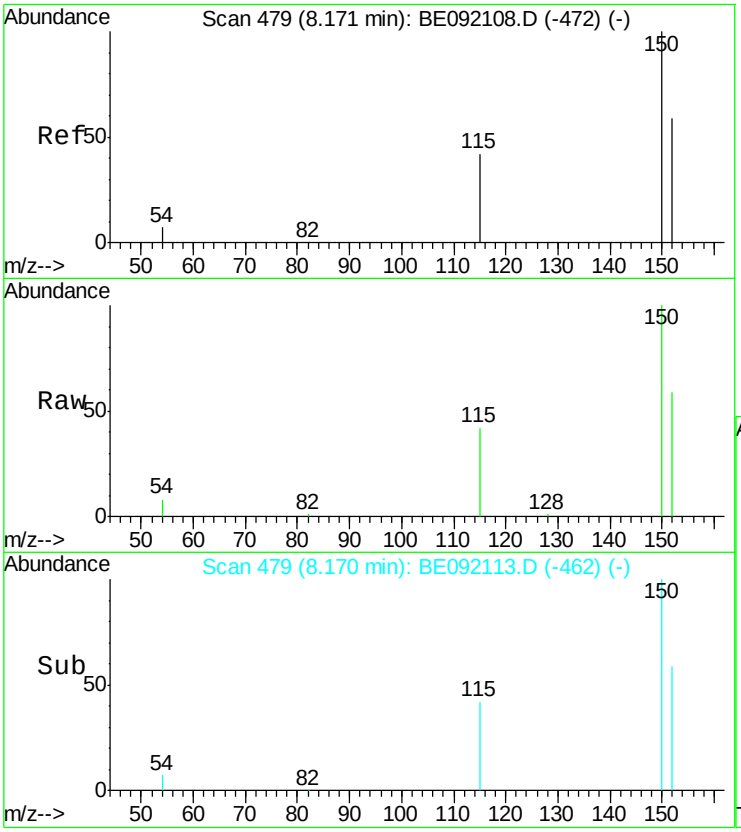


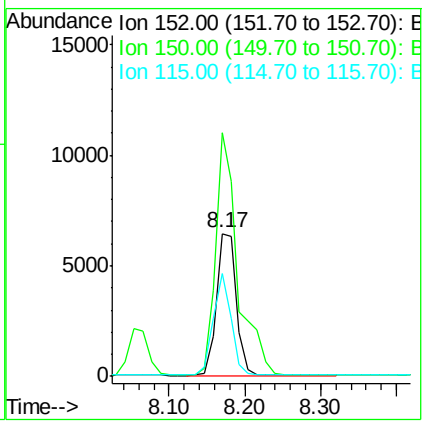


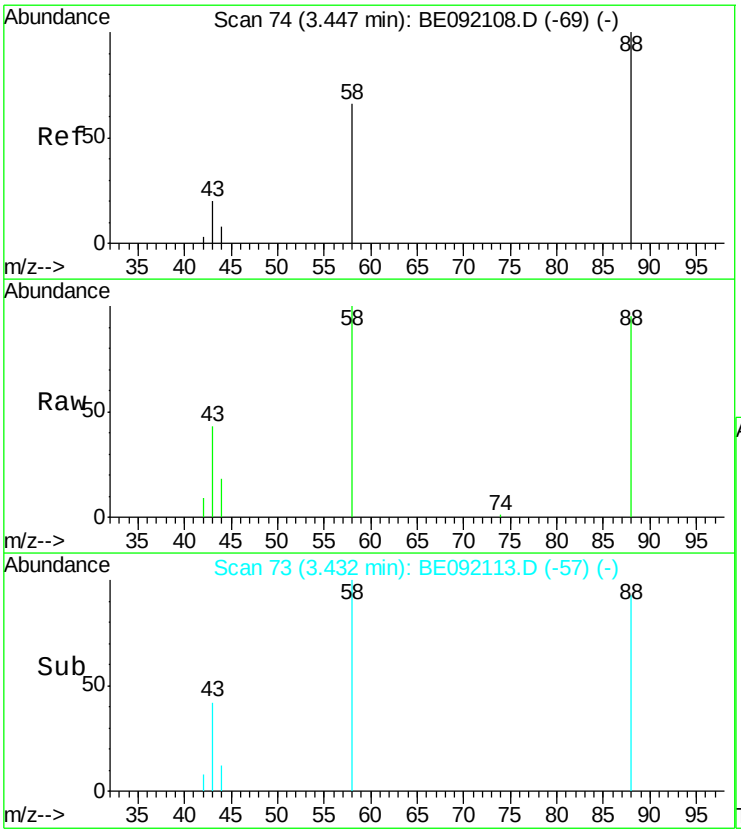
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 11723

Ion	Ratio	Lower	Upper
152	100		
150	170.1	106.0	159.0#
115	72.2	36.9	55.3#

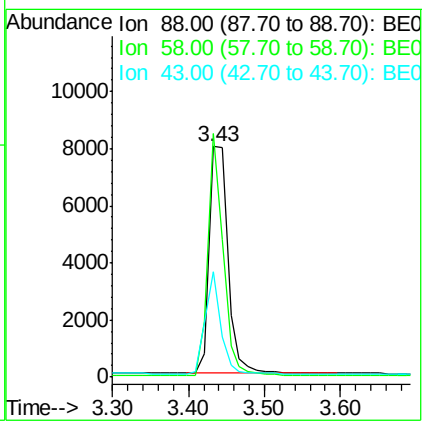


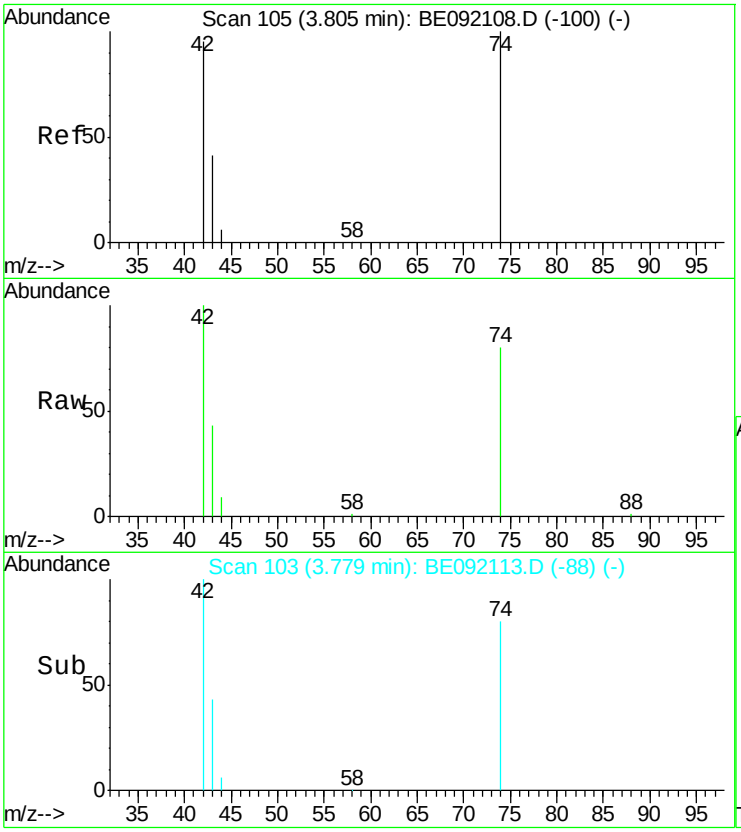


#2
1,4-Dioxane
Concen: 8.05 ng
RT: 3.43 min Scan# 73
Delta R.T. -0.01 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion: 88 Resp: 13623

Ion	Ratio	Lower	Upper
88	100		
58	86.2	62.1	93.1
43	36.7	27.2	40.8



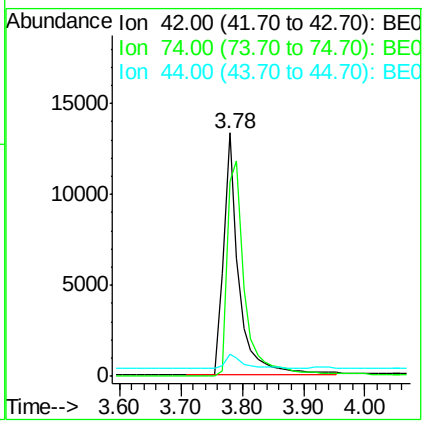


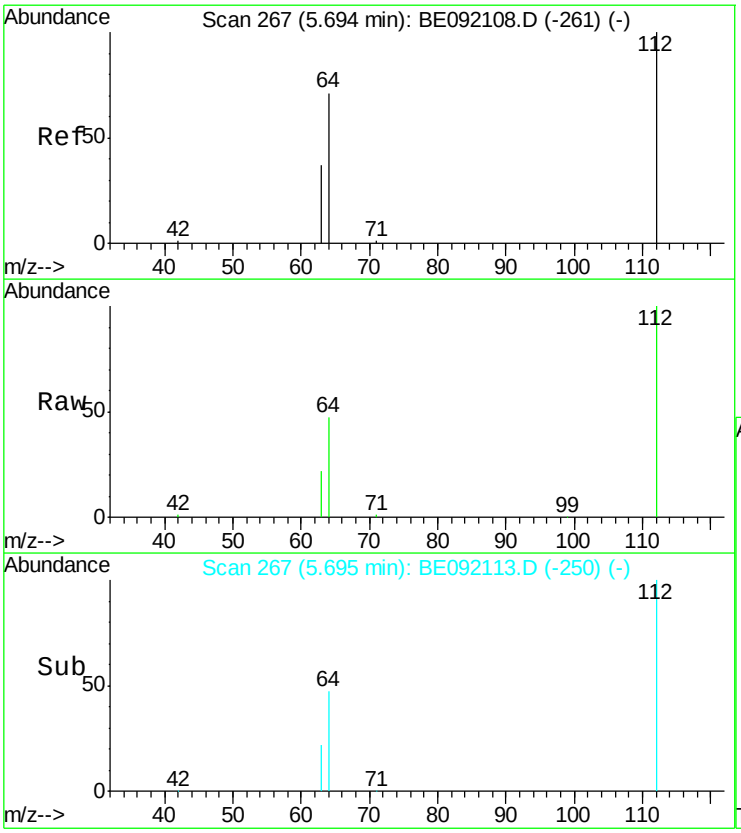
#3
n-Nitrosodimethylamine
Concen: 10.45 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.03 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 22495

Ion	Ratio	Lower	Upper
42	100		
74	104.3	82.8	124.2
44	6.2	9.0	13.4#

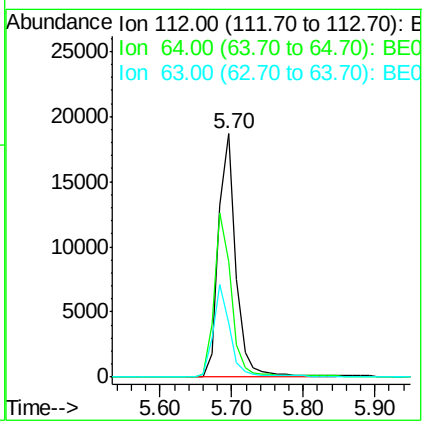


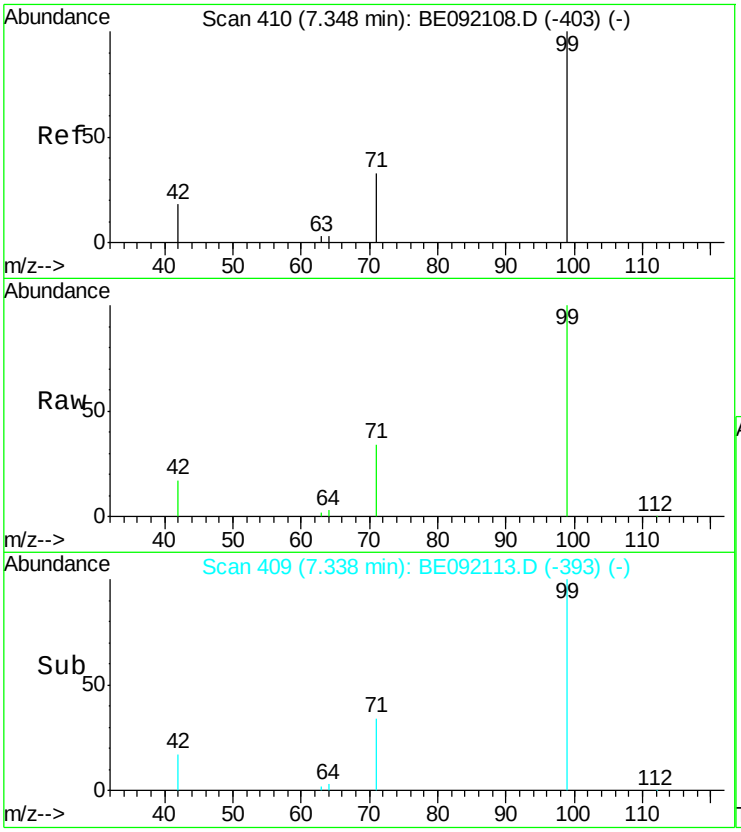


#4
2-Fluorophenol
Concen: 8.13 ng
RT: 5.70 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:112 Resp: 31084

Ion	Ratio	Lower	Upper
112	100		
64	66.6	55.9	83.9
63	36.2	31.1	46.7



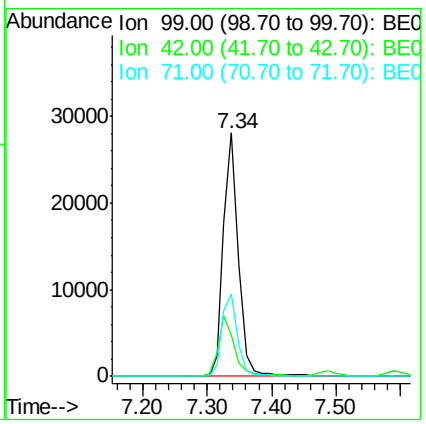


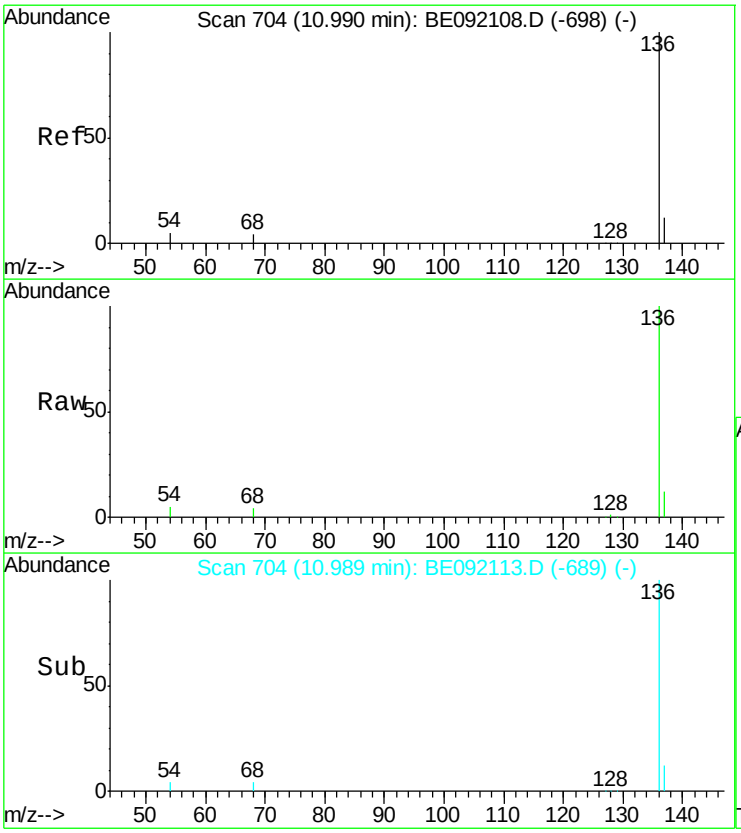
#5
Phenol-d6
Concen: 9.86 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 45307

Ion	Ratio	Lower	Upper
99	100		
42	26.0	22.4	33.6
71	35.5	28.9	43.3

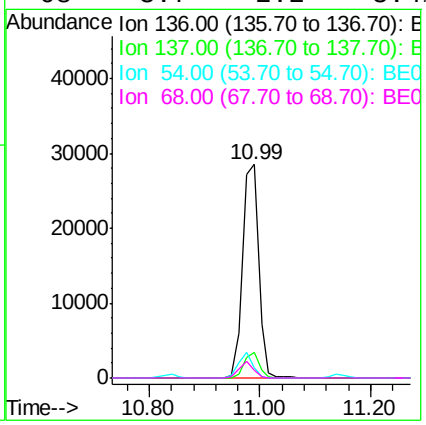


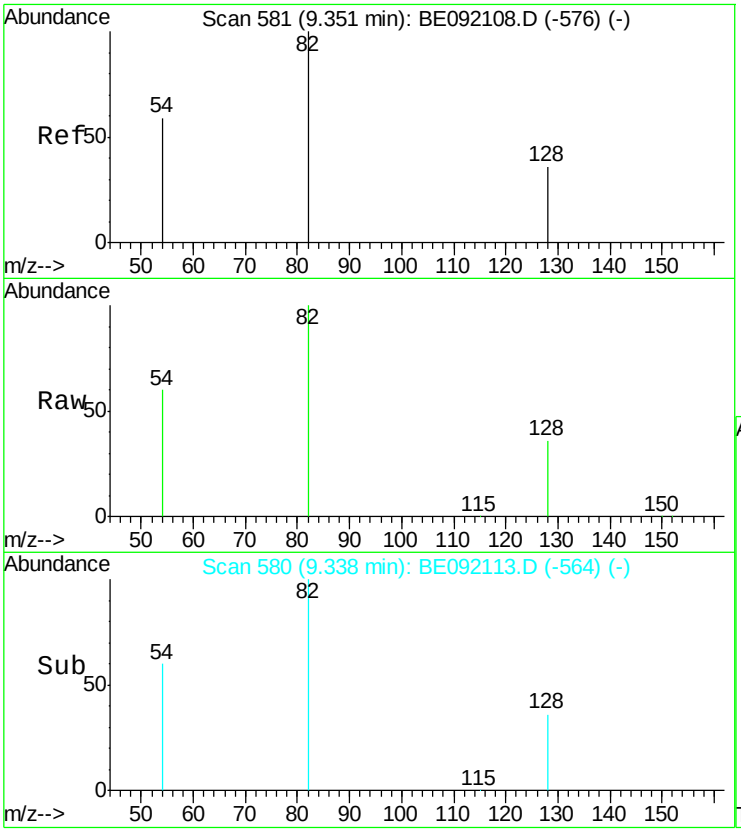


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:136 Resp: 56677

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	4.6	2.7	4.1#
68	3.7	2.2	3.4#



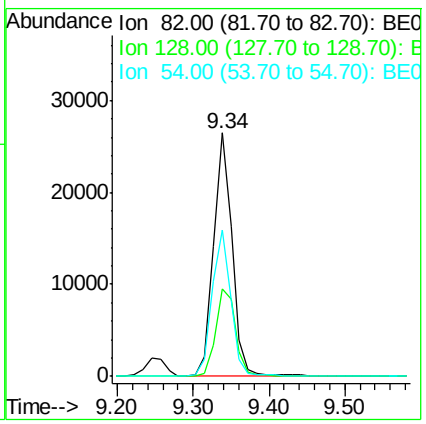


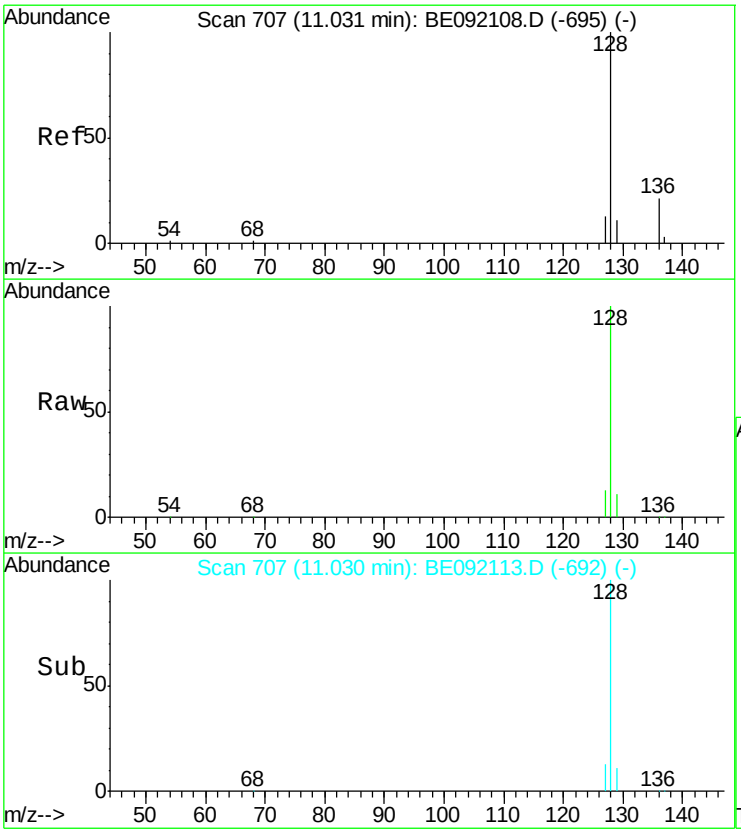
#7
Nitrobenzene-d5
Concen: 9.15 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 44511

Ion	Ratio	Lower	Upper
82	100		
128	35.7	33.0	49.4
54	59.8	42.6	63.8

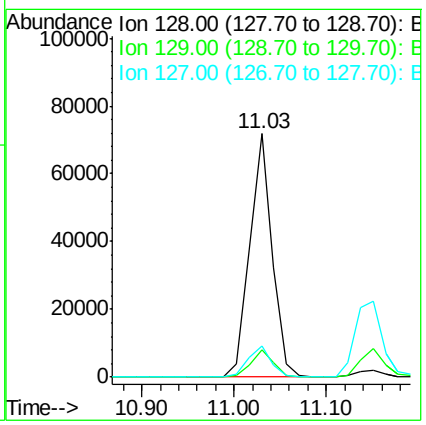


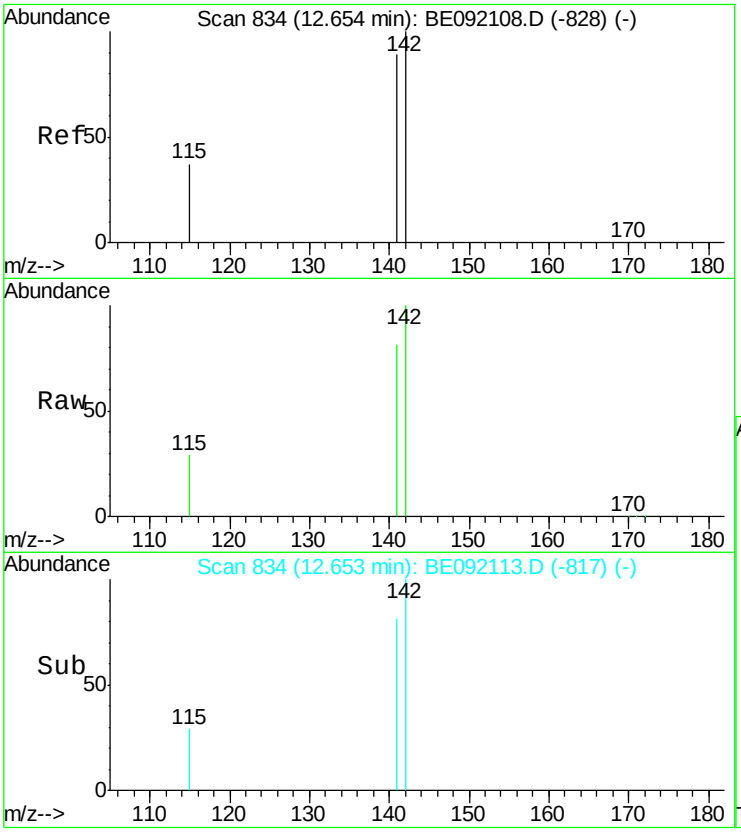


#8
Naphthalene
Concen: 9.30 ng
RT: 11.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:128 Resp: 121431

Ion	Ratio	Lower	Upper
128	100		
129	11.2	11.1	16.7
127	12.8	11.3	16.9



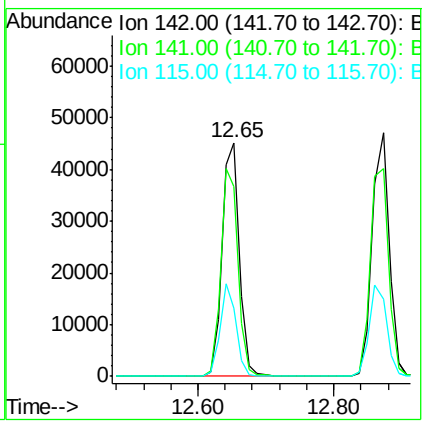


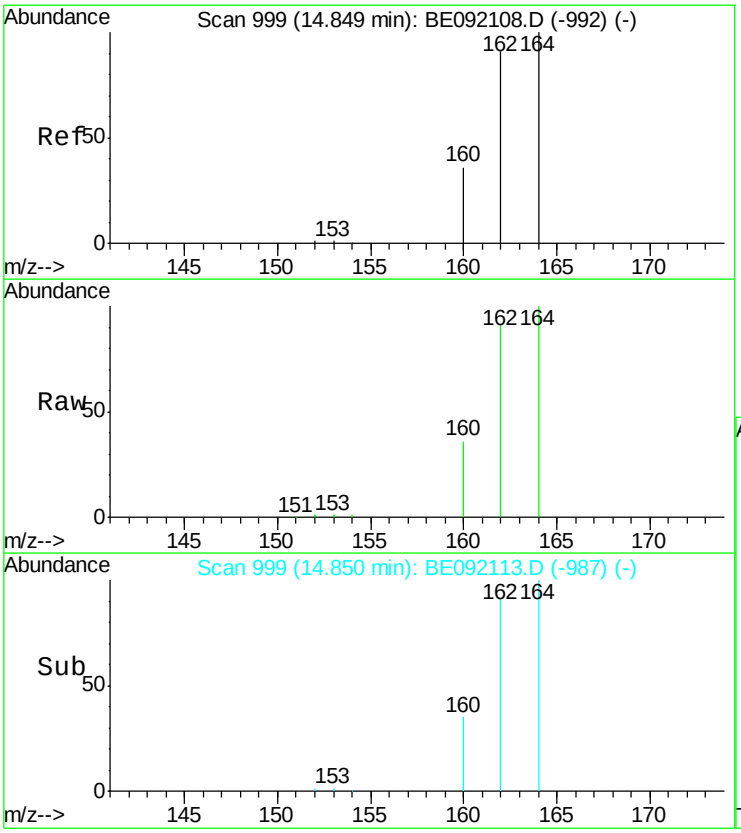
#9
2-Methylnaphthalene
Concen: 9.22 ng
RT: 12.65 min Scan# 834
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 80644

Ion	Ratio	Lower	Upper
142	100		
141	81.3	65.1	97.7
115	29.4	27.0	40.4

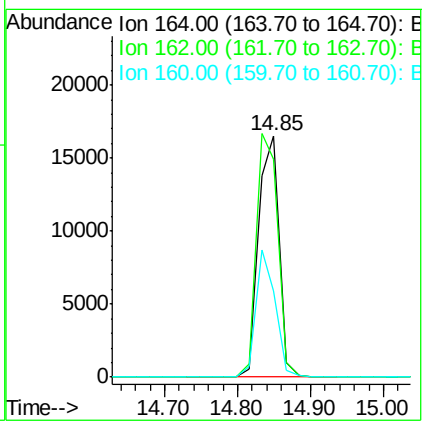


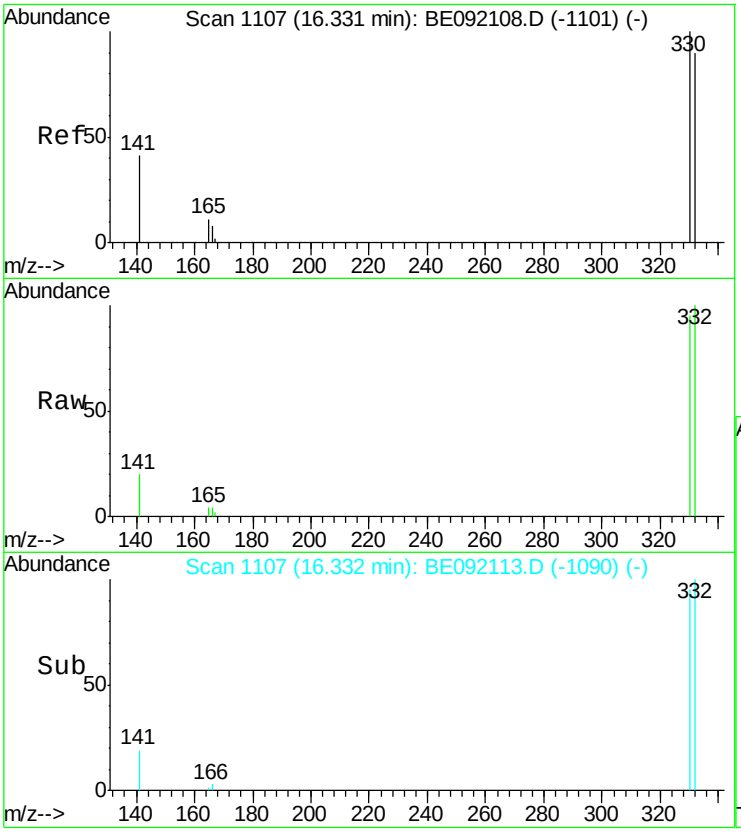


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.85 min Scan# 999
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:164 Resp: 32518

Ion	Ratio	Lower	Upper
164	100		
162	90.5	69.5	104.3
160	35.5	27.6	41.4



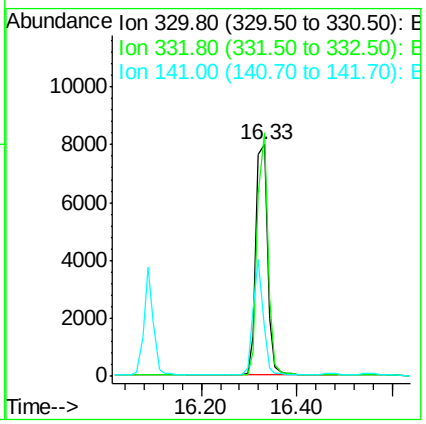


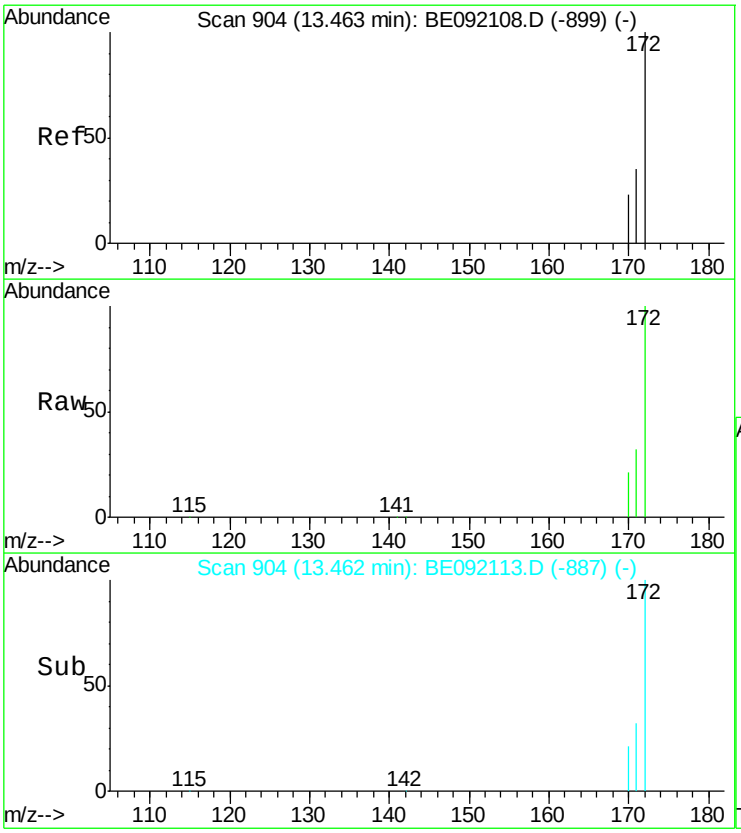
#11
2,4,6-Tribromophenol
Concen: 5.77 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:330 Resp: 13604

Ion	Ratio	Lower	Upper
330	100		
332	96.1	74.2	111.4
141	43.2	139.8	209.8#

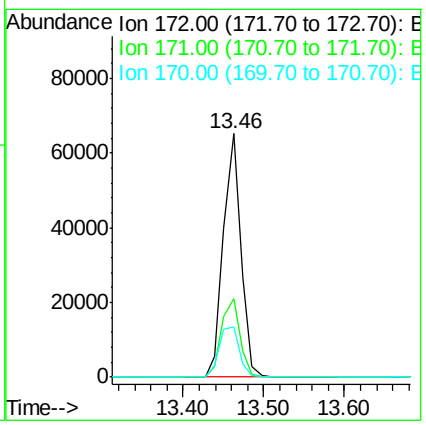


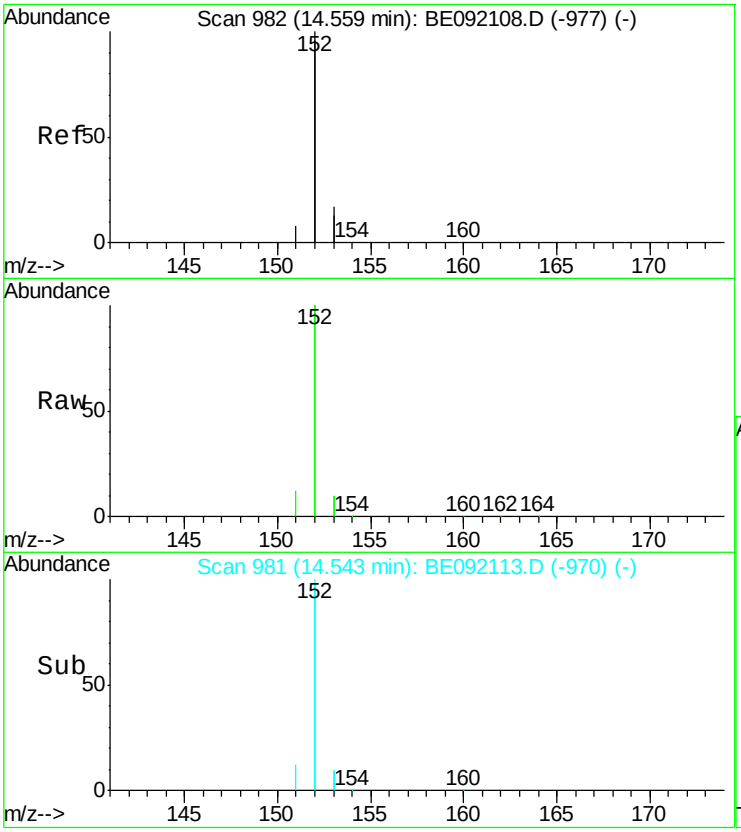


#12
2-Fluorobiphenyl
Concen: 7.78 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:172 Resp: 98007

Ion	Ratio	Lower	Upper
172	100		
171	32.2	30.3	45.5
170	20.6	21.6	32.4#



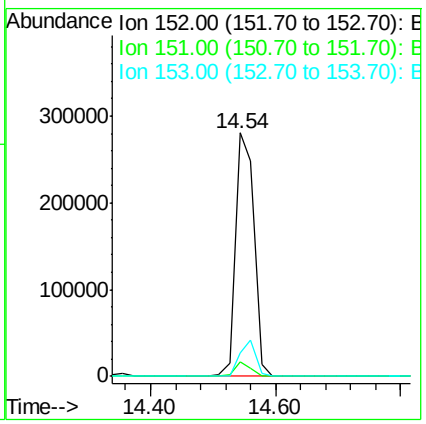


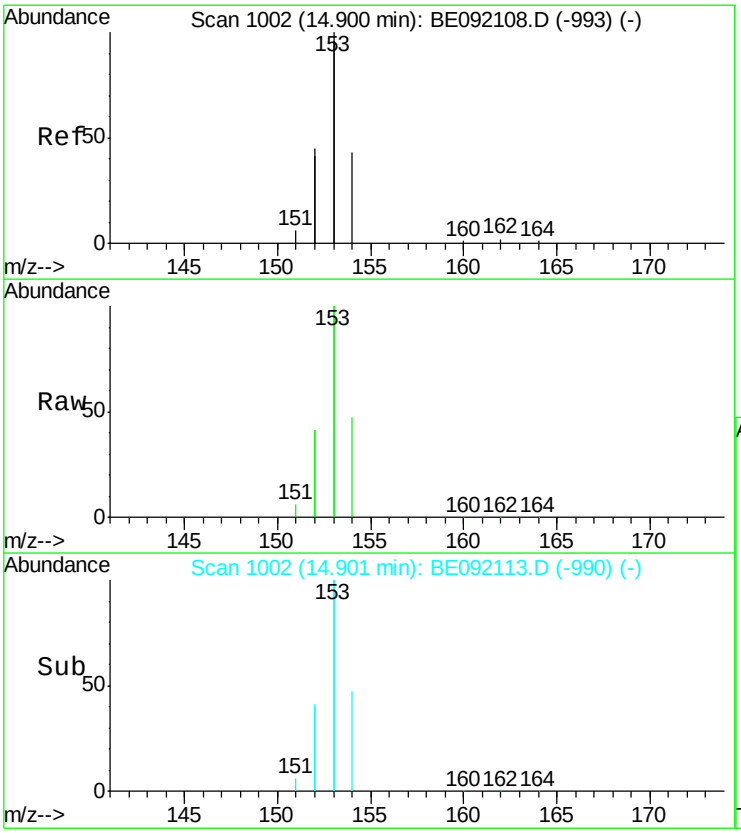
#13
Acenaphthylene
Concen: 7.97 ng
RT: 14.54 min Scan# 981
Delta R.T. -0.02 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 574208

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	13.2	9.6	14.4

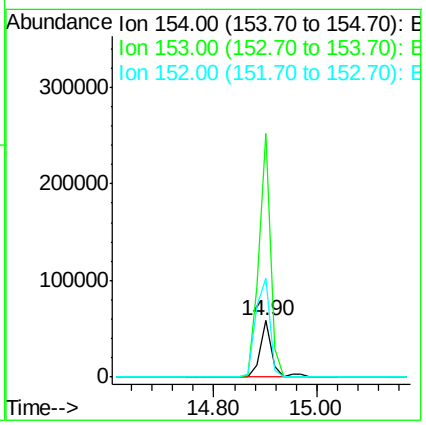


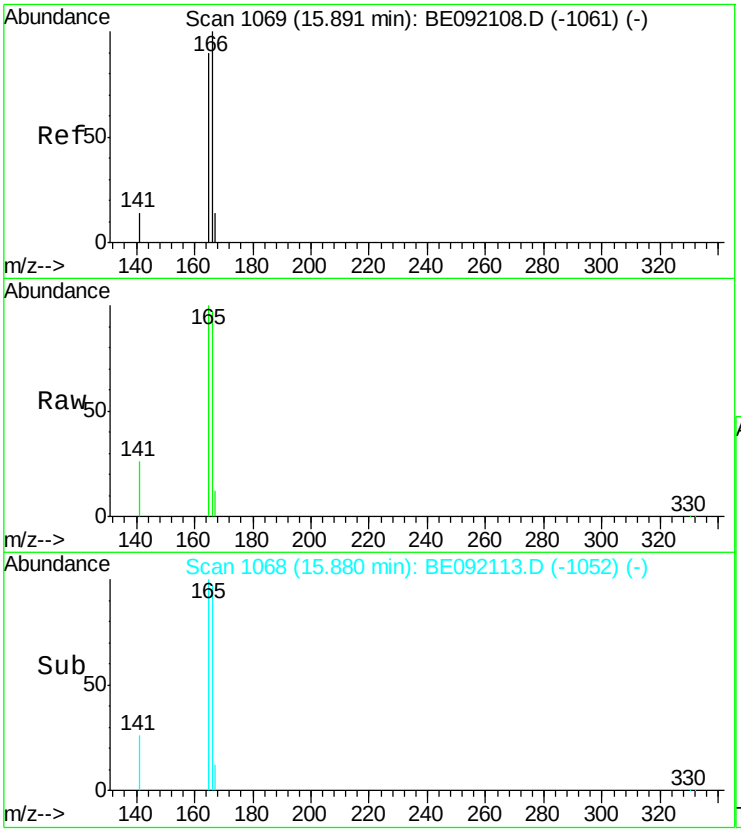


#14
Acenaphthene
Concen: 9.18 ng
RT: 14.90 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:154 Resp: 91312

Ion	Ratio	Lower	Upper
154	100		
153	421.2	345.1	517.7
152	206.3	0.0	0.0#



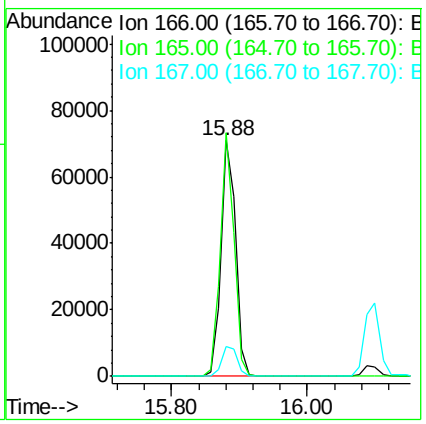


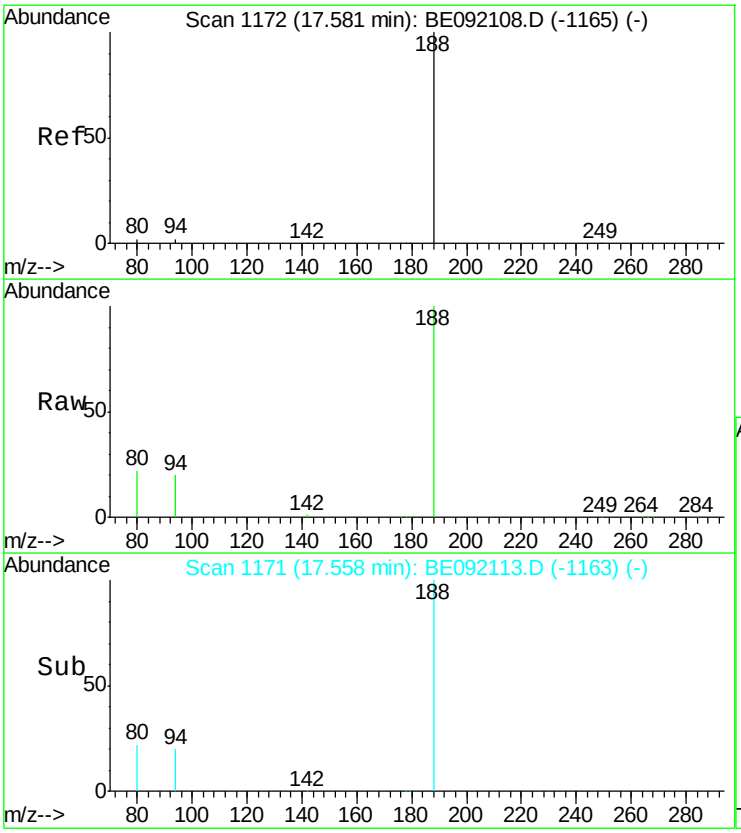
#15
Fluorene
Concen: 7.23 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:166 Resp: 108164

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.6	118.0
167	13.6	11.1	16.7

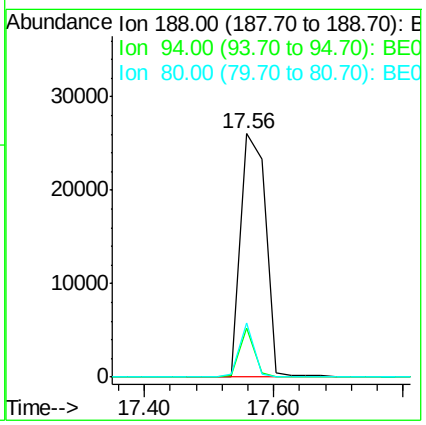


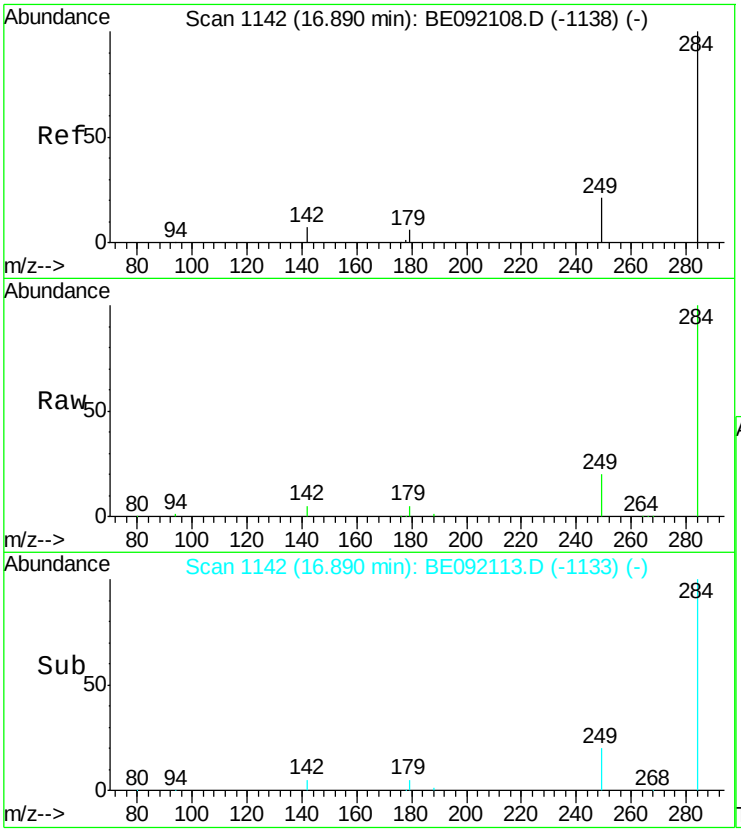


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:188 Resp: 69310

Ion	Ratio	Lower	Upper
188	100		
94	20.4	3.9	5.9#
80	22.0	3.4	5.0#



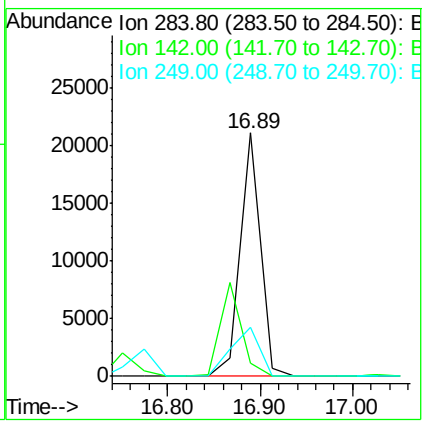


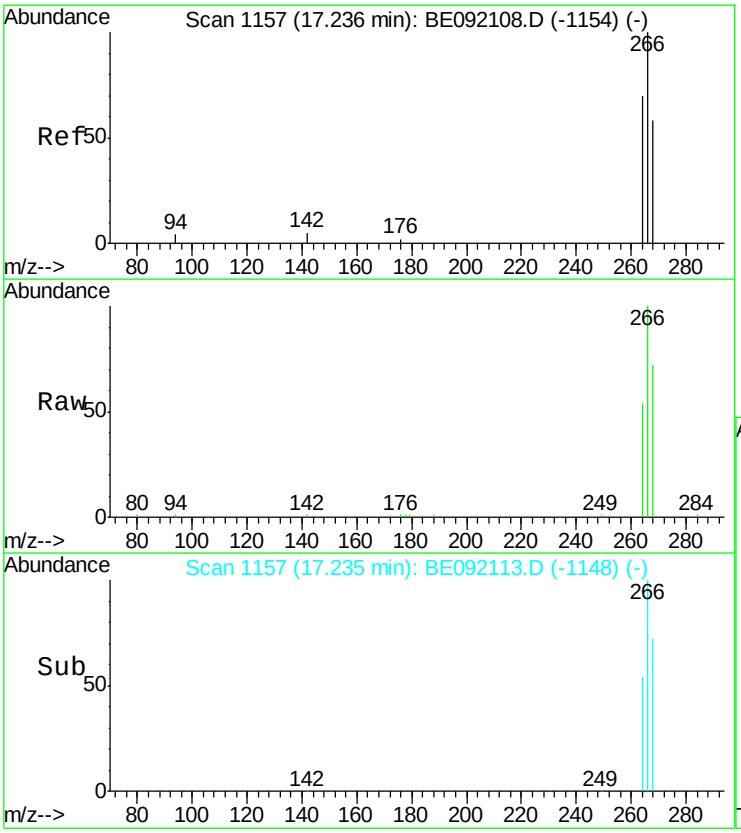
#17
Hexachlorobenzene
Concen: 13.87 ng
RT: 16.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 32140

Ion	Ratio	Lower	Upper
284	100		
142	0.0	33.3	49.9#
249	28.2	25.4	38.0

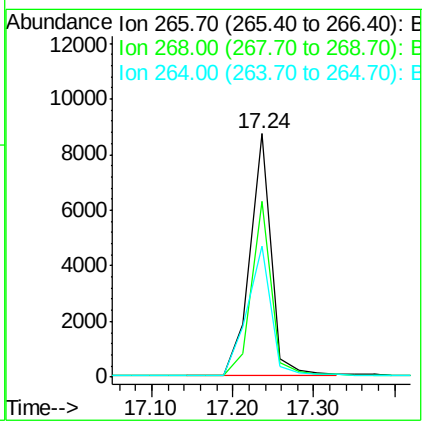


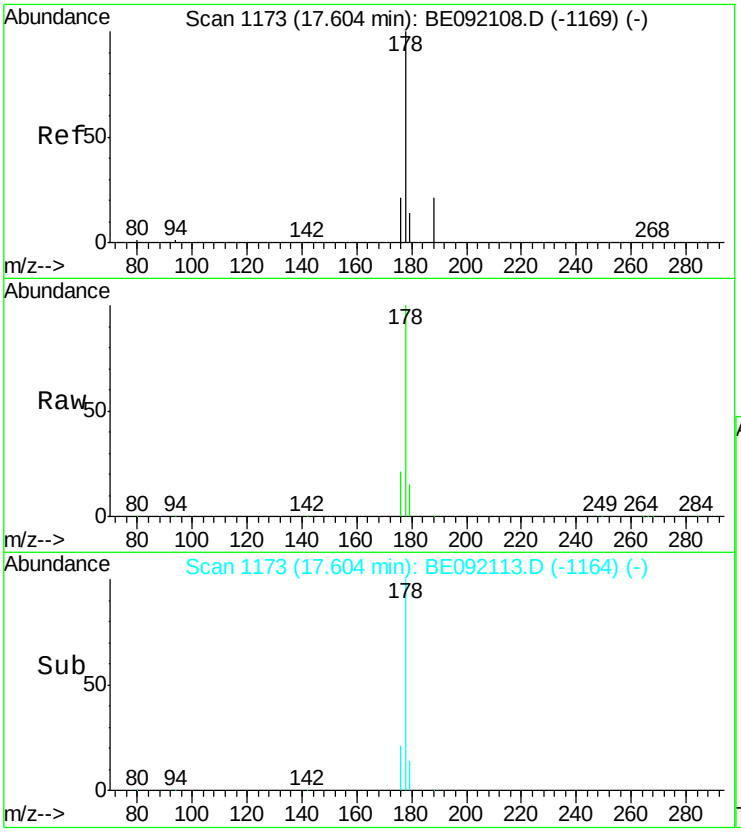


#18
Pentachlorophenol
Concen: 37.81 ng
RT: 17.24 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:266 Resp: 16066

Ion	Ratio	Lower	Upper
266	100		
268	72.3	62.7	94.1
264	53.8	63.5	95.3#



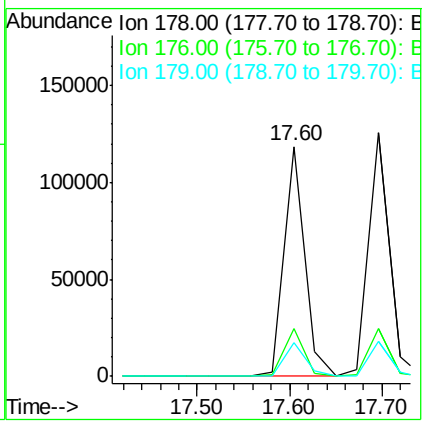


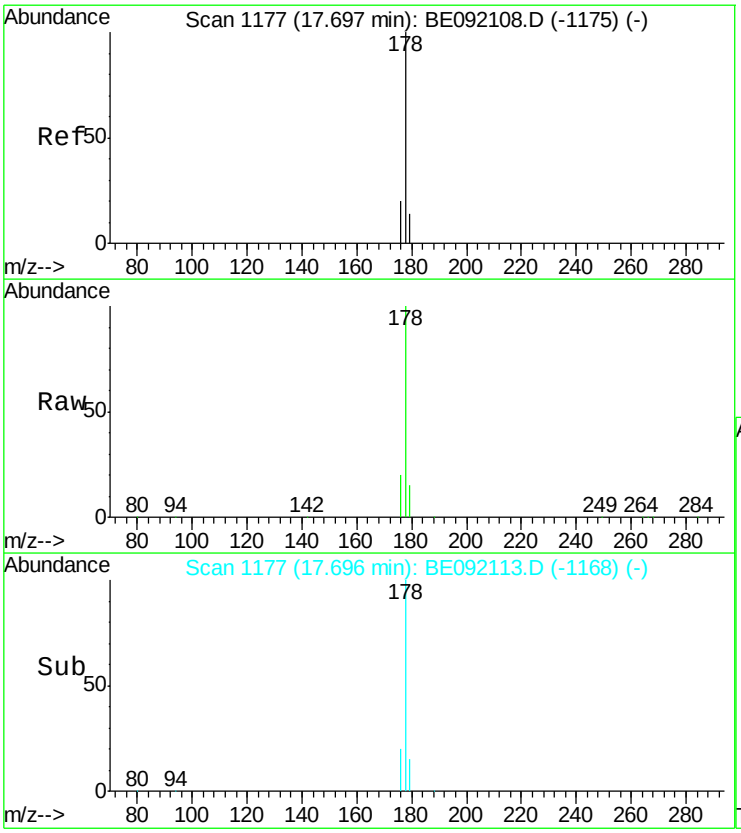
#19
Phenanthrene
Concen: 9.97 ng
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 185670

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	15.1	12.7	19.1

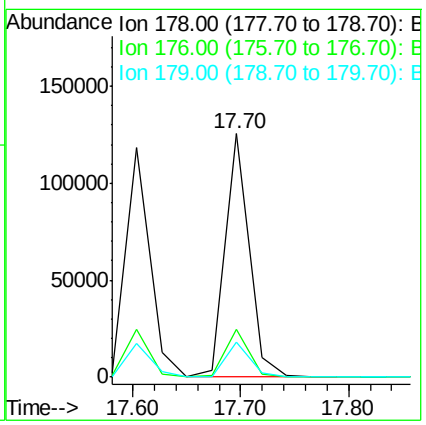


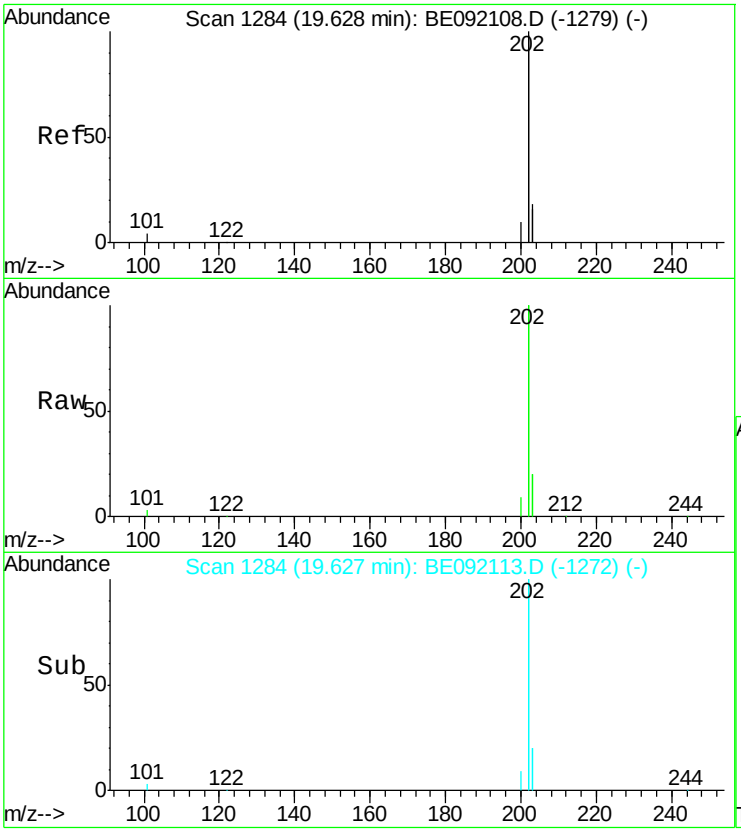


#20
Anthracene
Concen: 13.92 ng
RT: 17.70 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:178 Resp: 192383

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	14.9	12.2	18.4



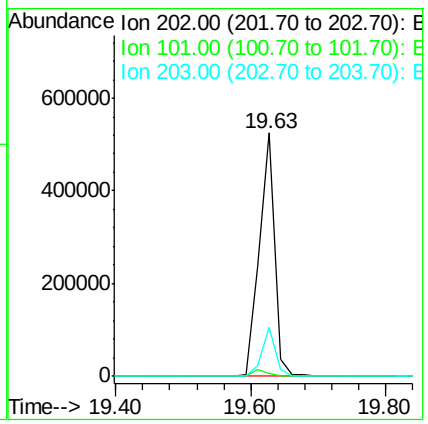


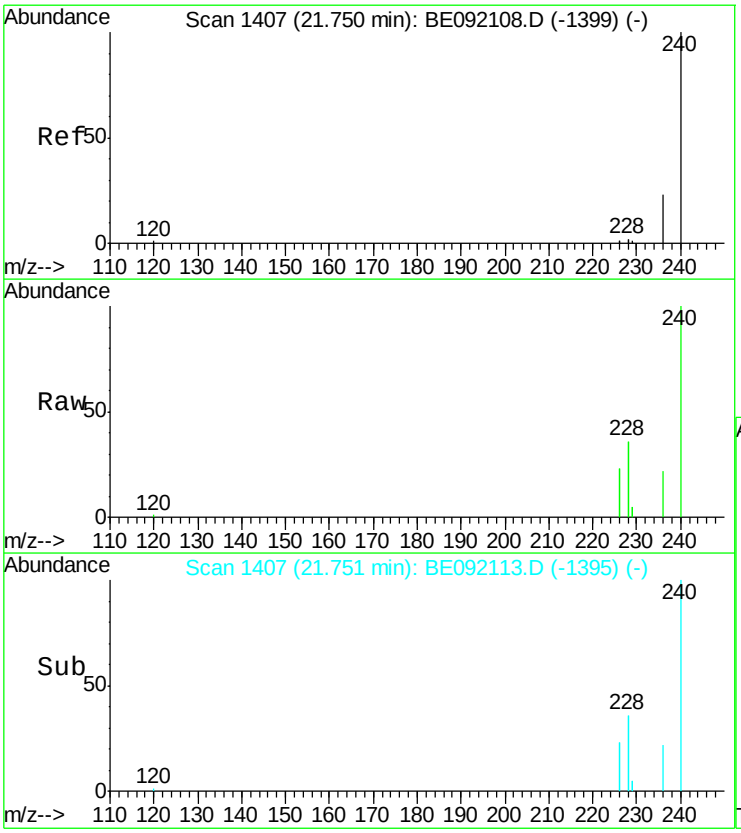
#21
Fluoranthene
Concen: 15.23 ng
RT: 19.63 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 826715

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.2
203	17.6	13.0	19.4

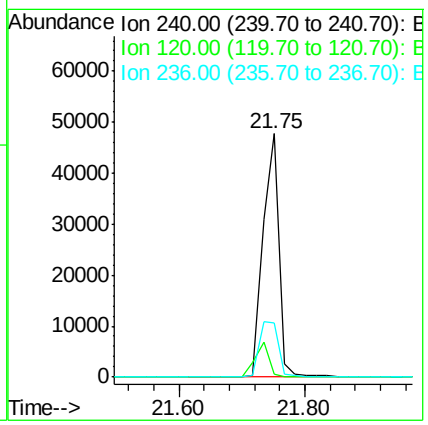


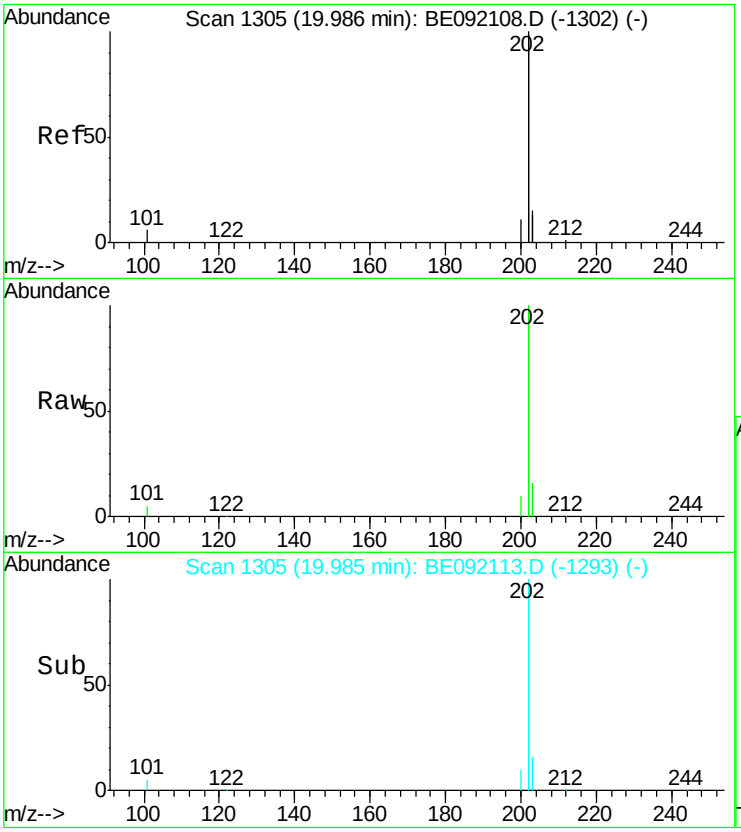


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:240 Resp: 84283

Ion	Ratio	Lower	Upper
240	100		
120	1.1	0.6	1.0#
236	22.3	18.2	27.4



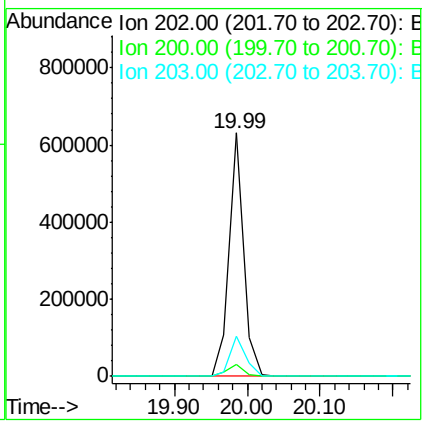


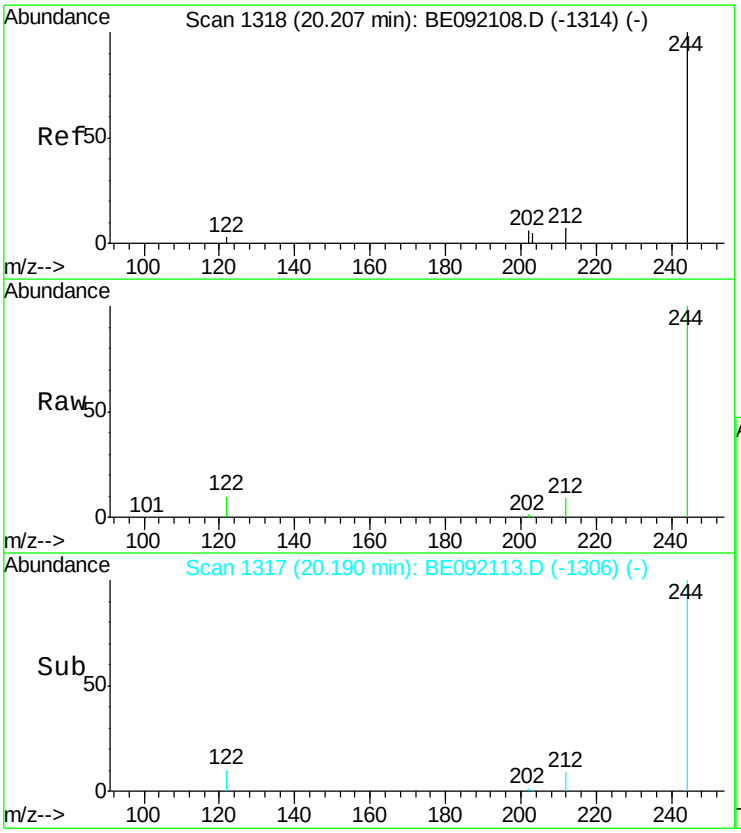
#23
Pyrene
Concen: 9.07 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 868921

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.4	6.6
203	17.7	13.4	20.0

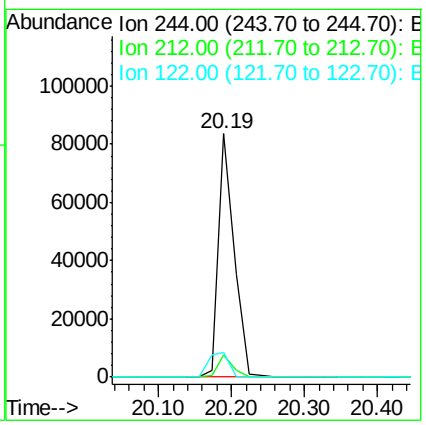


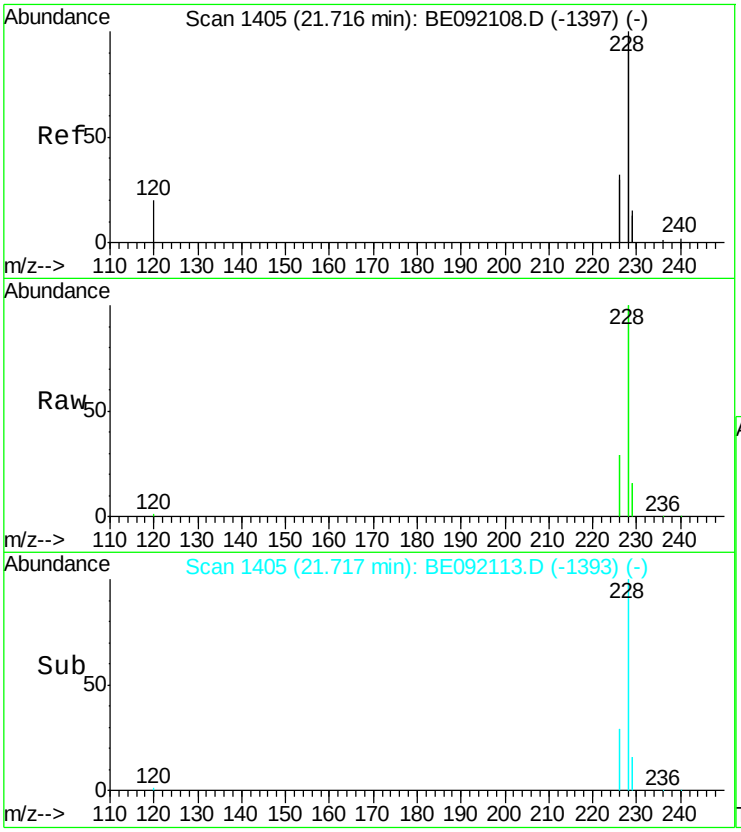


#24
Terphenyl-d14
Concen: 9.89 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:244 Resp: 126674

Ion	Ratio	Lower	Upper
244	100		
212	9.3	9.1	13.7
122	10.1	11.0	16.4#



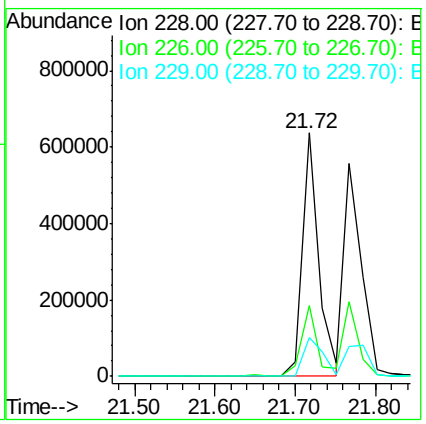


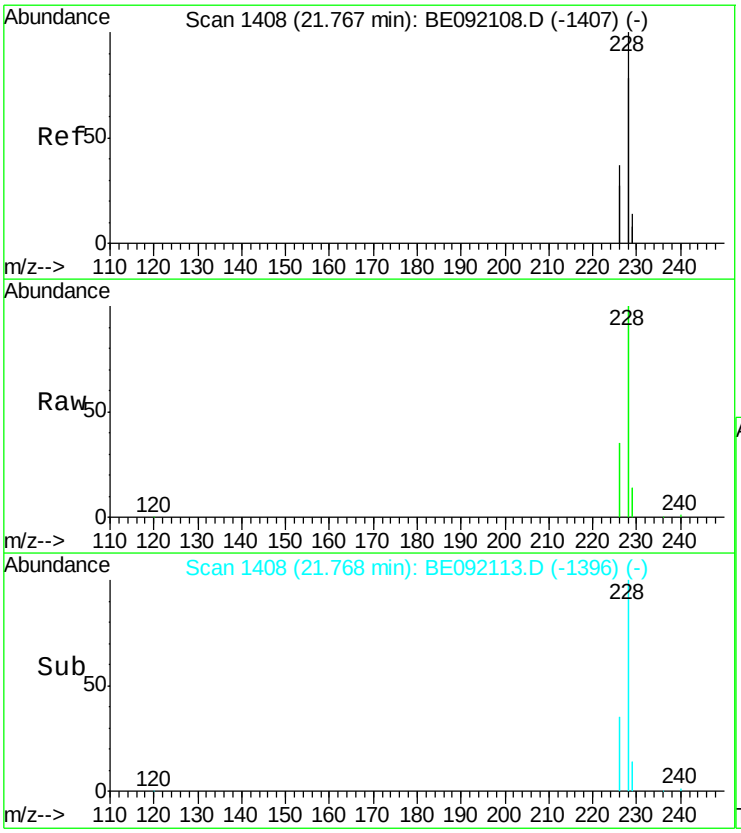
#25
Benzo(a)anthracene
Concen: 39.54 ng
RT: 21.72 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 900909

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.1	33.1
229	15.7	15.1	22.7

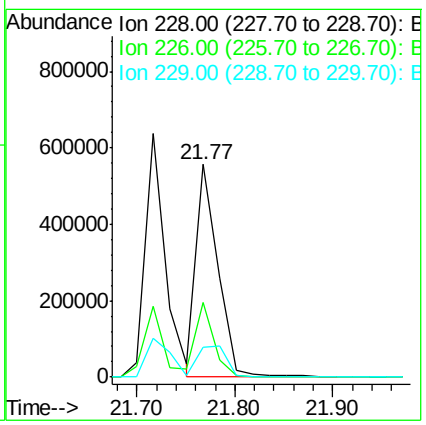


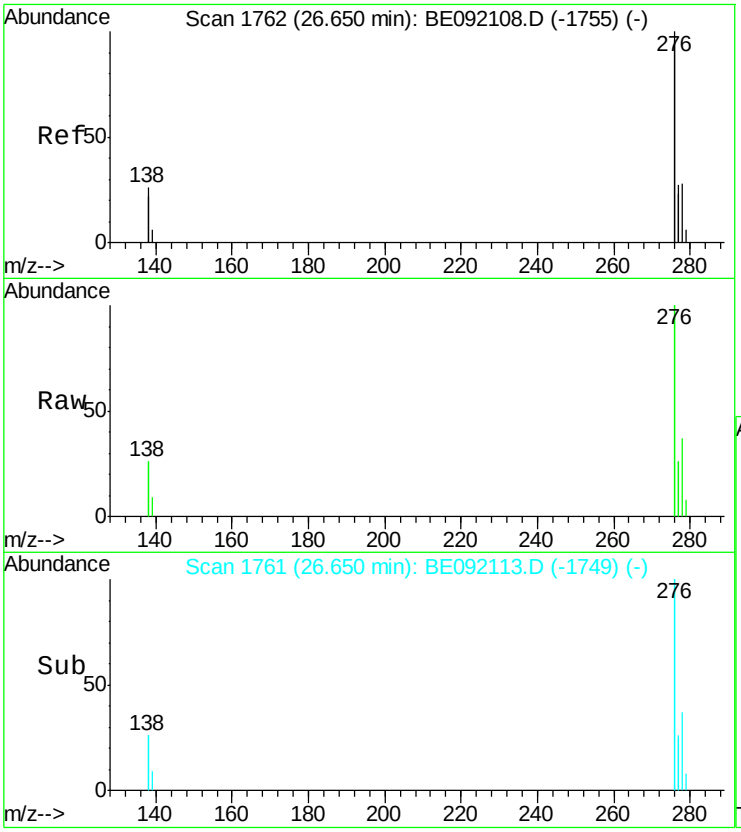


#26
Chrysene
Concen: 42.60 ng
RT: 21.77 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:228 Resp: 854560

Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.3	33.5#
229	14.1	16.9	25.3#



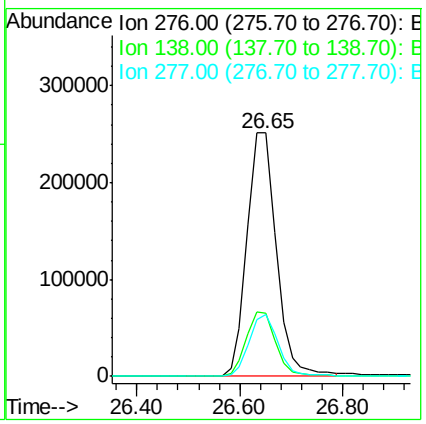


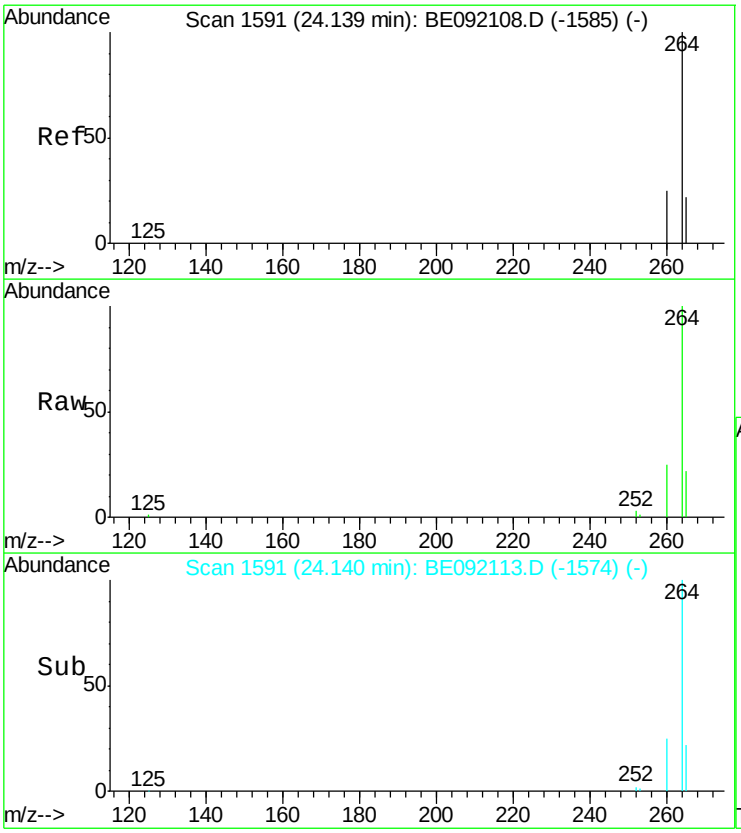
#27
Indeno(1,2,3-cd)pyrene
Concen: 11.04 ng
RT: 26.65 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 987080

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.2	31.8
277	24.8	19.8	29.8

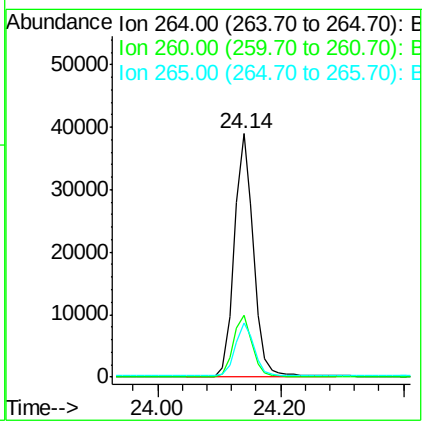


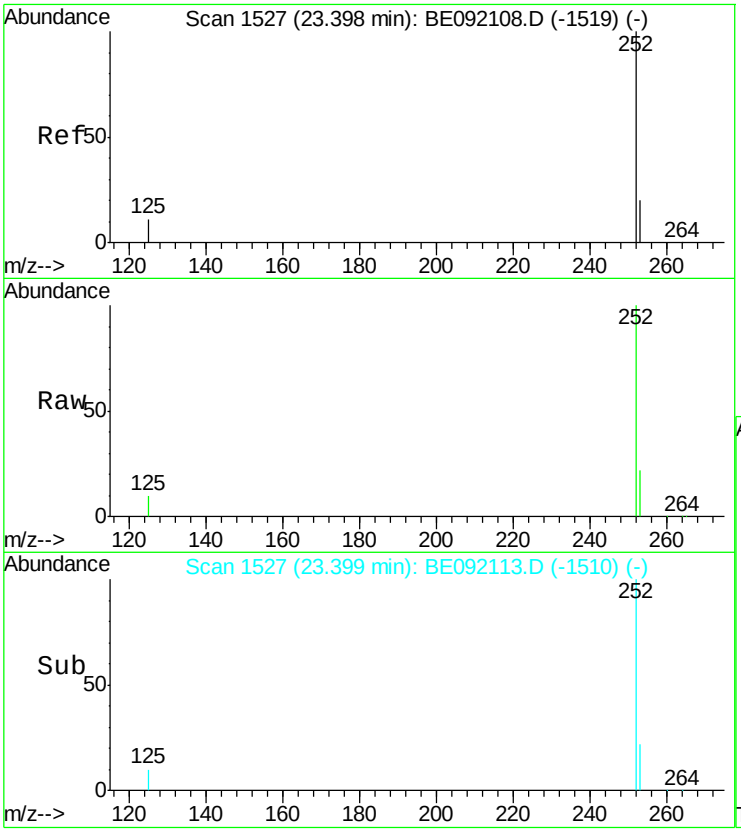


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:264 Resp: 85078

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.8	31.2
265	22.0	16.6	25.0



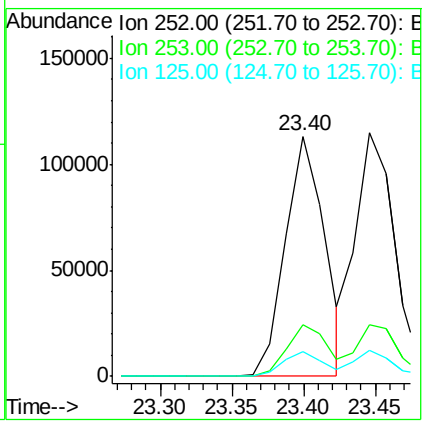


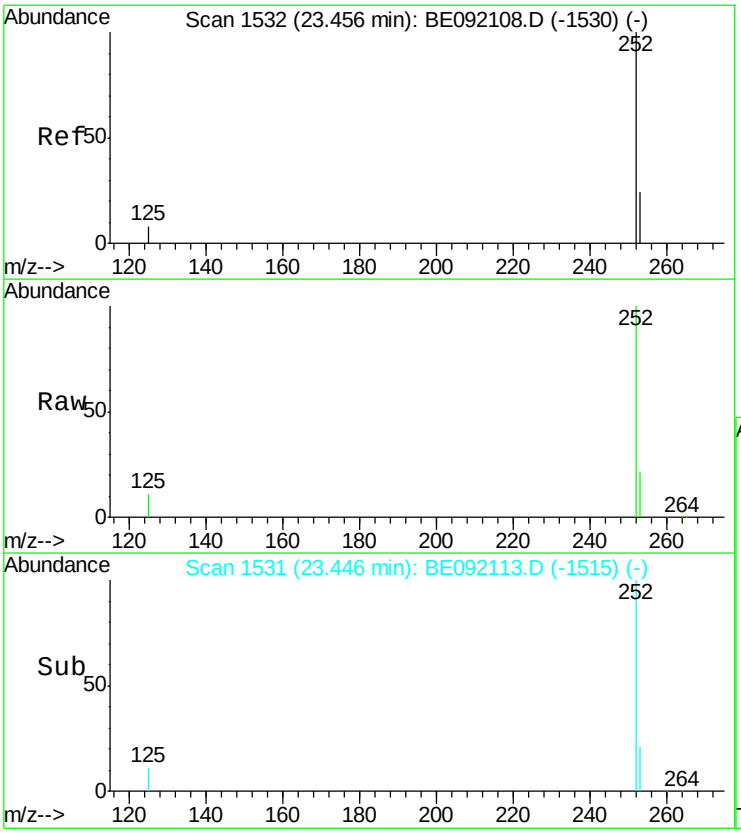
#29
Benzo(b)fluoranthene
Concen: 9.13 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 215561

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.4	10.2	15.2

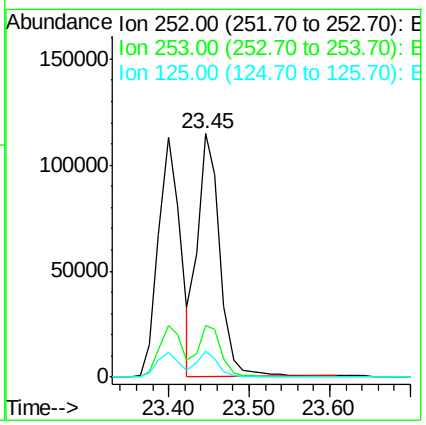


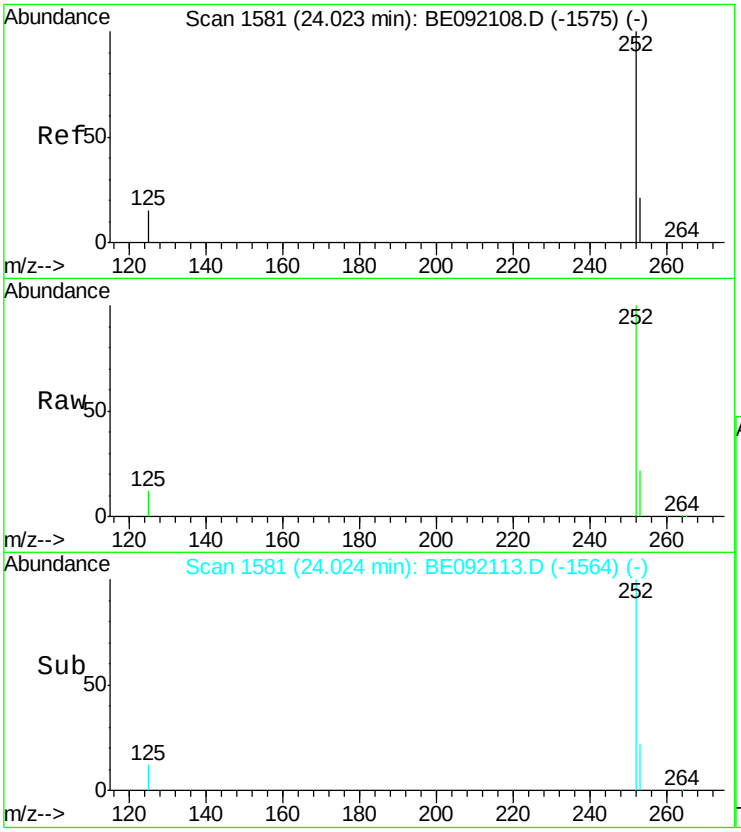


#30
Benzo(k)fluoranthene
Concen: 9.15 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:252 Resp: 220809

Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.4	29.0
125	10.8	8.9	13.3



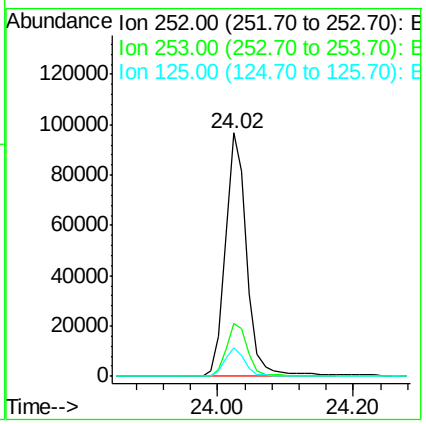


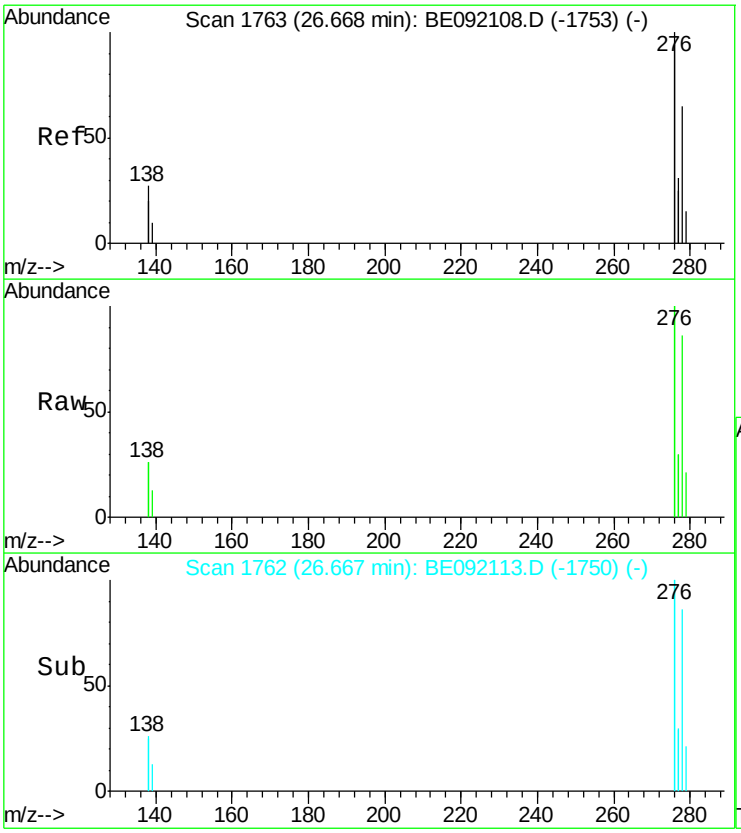
#31
Benzo(a)pyrene
Concen: 9.68 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 212160

Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.8	29.8
125	11.7	10.4	15.6

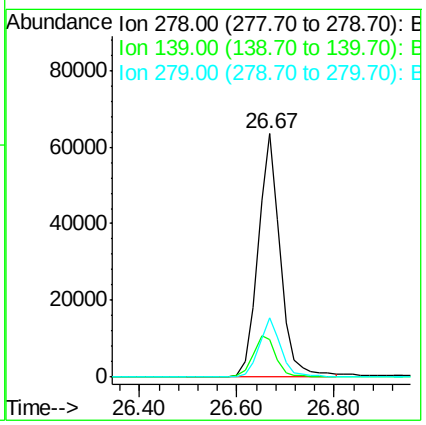


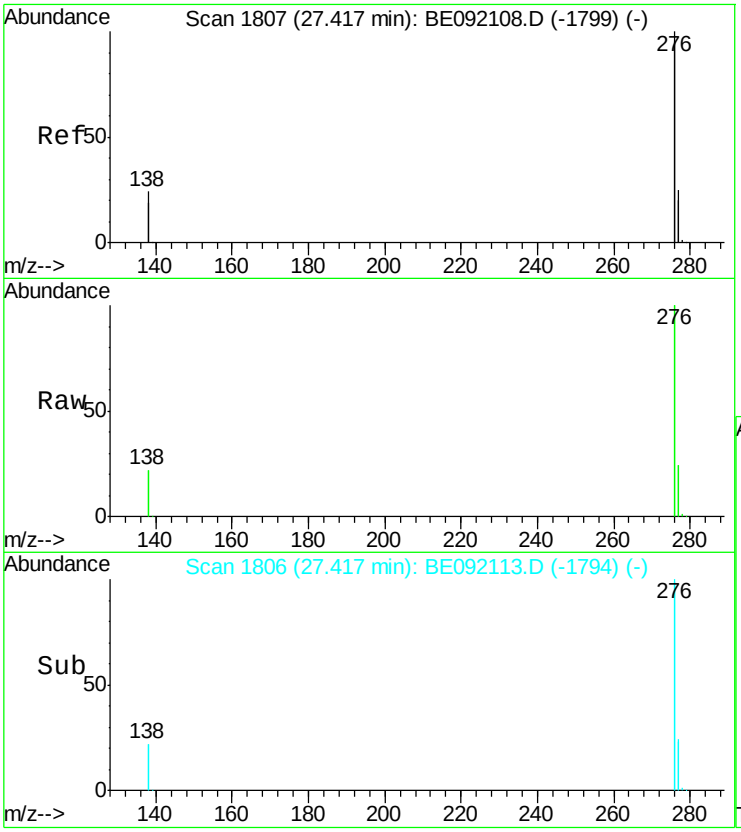


#32
Dibenzo(a,h)anthracene
Concen: 9.96 ng
RT: 26.67 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Tgt Ion:278 Resp: 202929

Ion	Ratio	Lower	Upper
278	100		
139	15.4	16.7	25.1#
279	24.1	20.3	30.5





#33
Benzo(g,h,i)perylene
Concen: 9.83 ng
RT: 27.42 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BE092113.D
Acq: 2 Aug 2016 15:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 841593

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	22.3	20.8	31.2