Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
Data File : BE092146.D
Acq On : 3 Aug 2016 14:15
Operator : UM/SJ
Sample : PB92496BSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB92496BSD

Quant Time: Aug 03 16:48:19 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	14153	5.00	ng		0.00
6) Naphthalene-d8	10.98	136	61006	5.00	ng		-0.01
10) Acenaphthene-d10	14.83	164	30092	5.00	ng		-0.02
16) Phenanthrene-d10	17.56	188	59857	5.00	ng		-0.02
22) Chrysene-d12	21.75	240	65562	5.00	ng		0.00
28) Perylene-d12	24.14	264	57837	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	22527	6.20	ng		0.00
5) Phenol-d6	7.34	99	29202	6.03	ng		-0.01
7) Nitrobenzene-d5	9.34	82	13474	2.80	ng		-0.01
11) 2,4,6-Tribromophenol	16.33	330	6227	6.37	ng		0.00
12) 2-Fluorobiphenyl	13.46	172	28053	2.94	ng		0.00
24) Terphenyl-d14	20.19	244	32017	3.40	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	4493	2.33	ng	#	86
3) n-Nitrosodimethylamine	3.78	42	8445	3.19	ng	#	90
8) Naphthalene	11.03	128	37720	2.88	ng		95
9) 2-Methylnaphthalene	12.64	142	25118	2.90	ng	#	85
13) Acenaphthylene	14.54	152	151926	2.86	ng		98
14) Acenaphthene	14.90	154	23383	2.76	ng	#	98
15) Fluorene	15.88	166	29041	2.71	ng		100
17) Hexachlorobenzene	16.89	284	7864	2.69	ng	#	38
18) Pentachlorophenol	17.24	266	6271	5.75	ng	#	82
19) Phenanthrene	17.60	178	50209	3.07	ng		99
20) Anthracene	17.70	178	47365	2.97	ng		99
21) Fluoranthene	19.63	202	198041	2.71	ng		96
23) Pyrene	19.99	202	214267	3.13	ng		98
25) Benzo(a)anthracene	21.72	228	212540	2.95	ng		96
26) Chrysene	21.77	228	196900	2.73	ng	#	84
27) Indeno(1,2,3-cd)pyrene	26.63	276	254521	3.25	ng		100
29) Benzo(b)fluoranthene	23.40	252	54009	3.41	ng		97
30) Benzo(k)fluoranthene	23.45	252	50094	3.30	ng		96
31) Benzo(a)pyrene	24.03	252	48590	3.34	ng		95
32) Dibenzo(a,h)anthracene	26.67	278	53281	3.84	ng	#	93
33) Benzo(g,h,i)perylene	27.42	276	217984	3.68	ng		94

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

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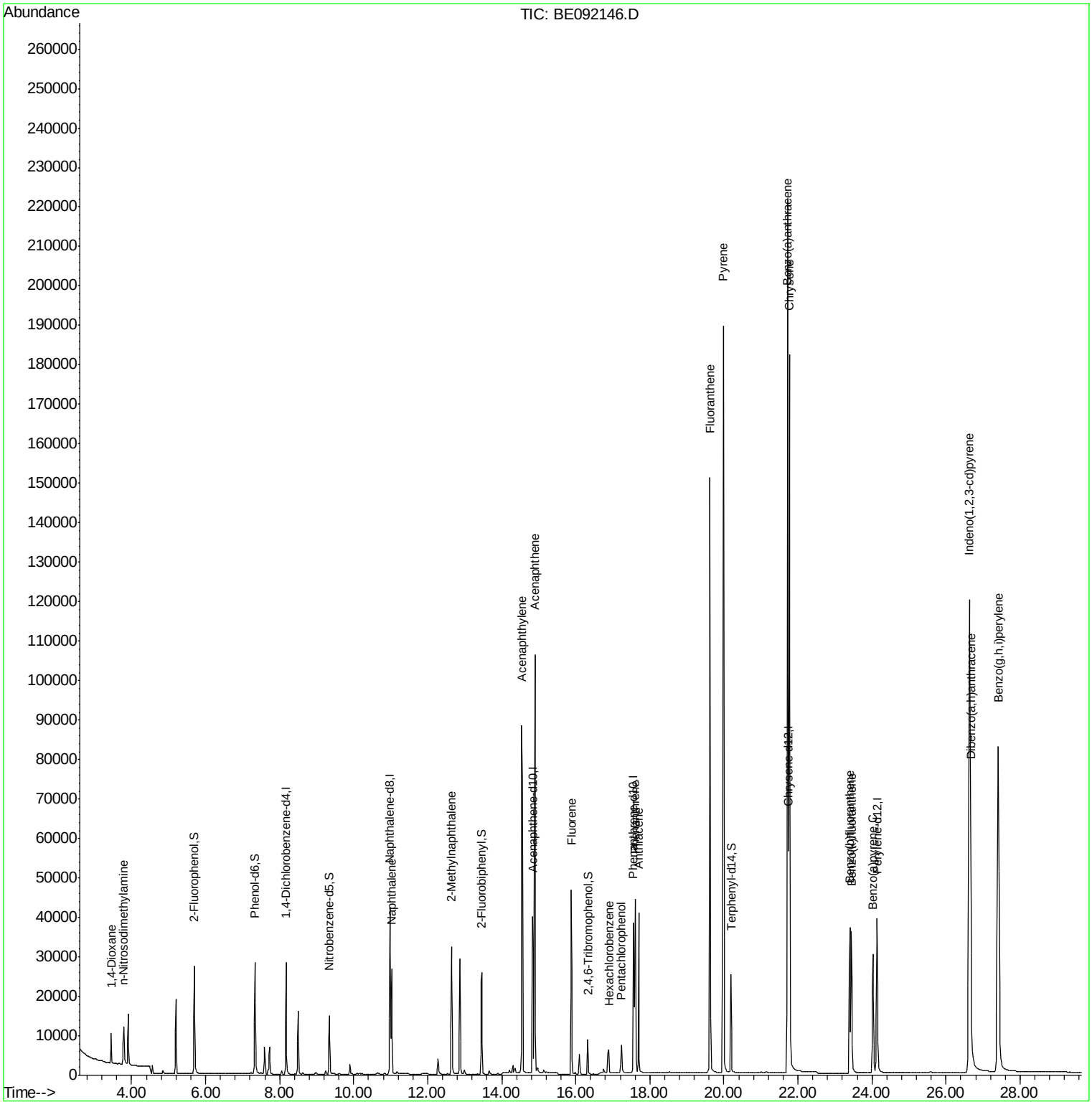
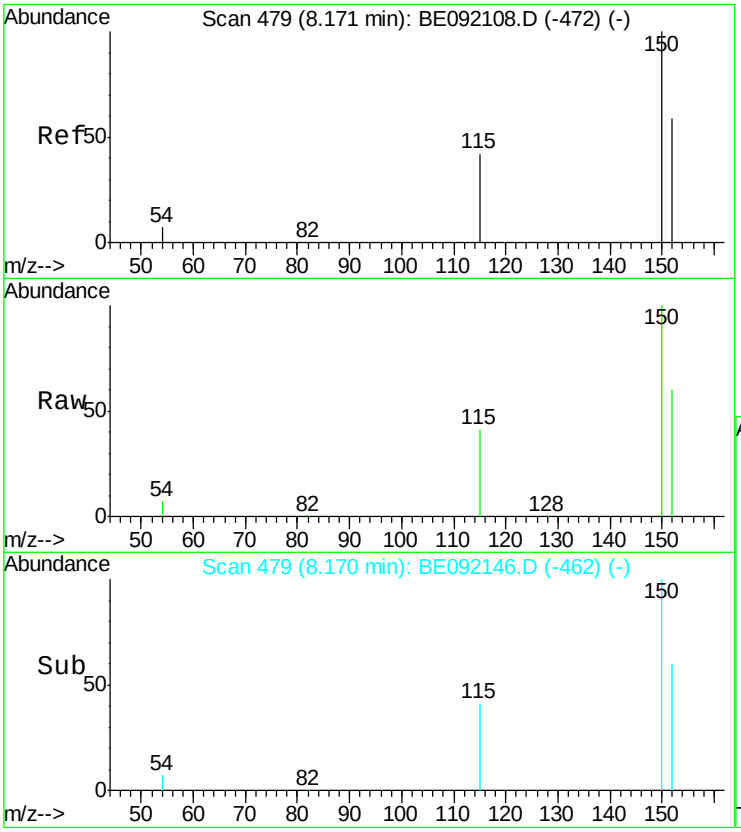


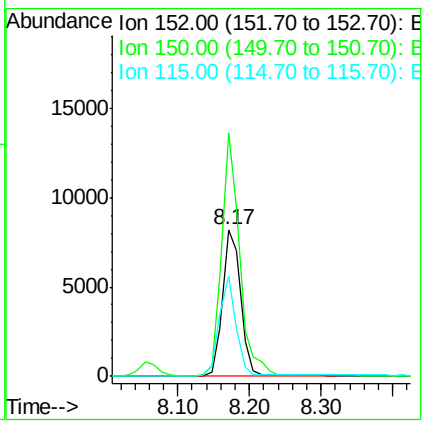


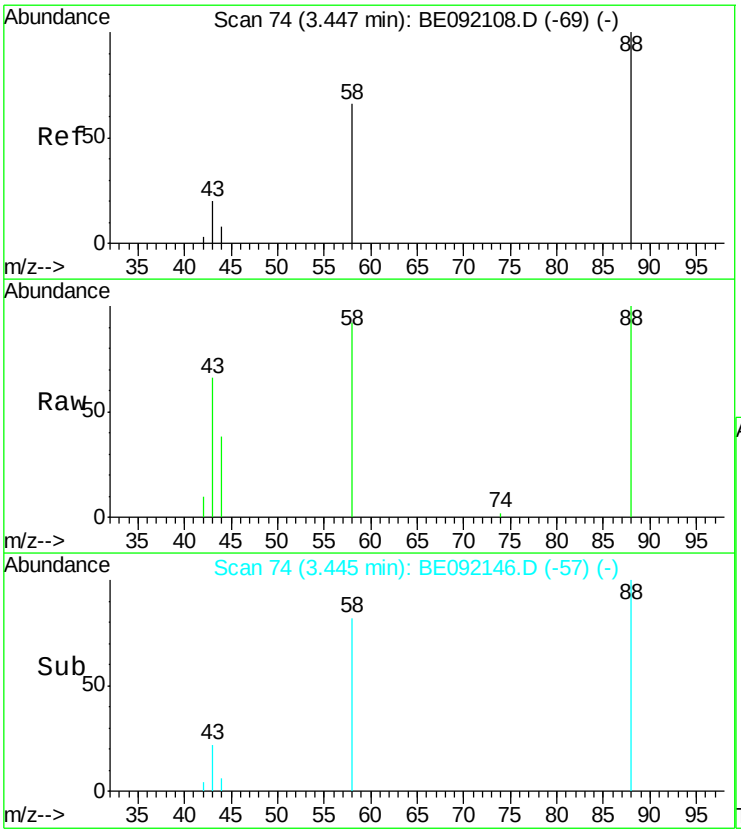
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:152 Resp: 14153

Ion	Ratio	Lower	Upper
152	100		
150	166.1	106.0	159.0#
115	68.4	36.9	55.3#

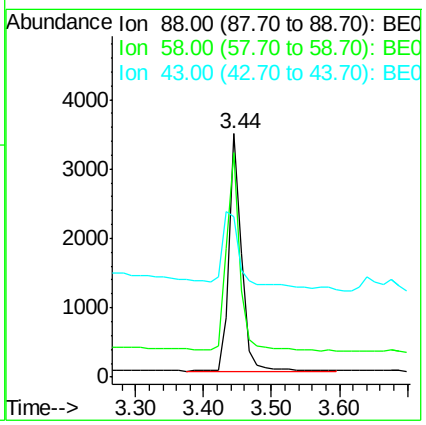


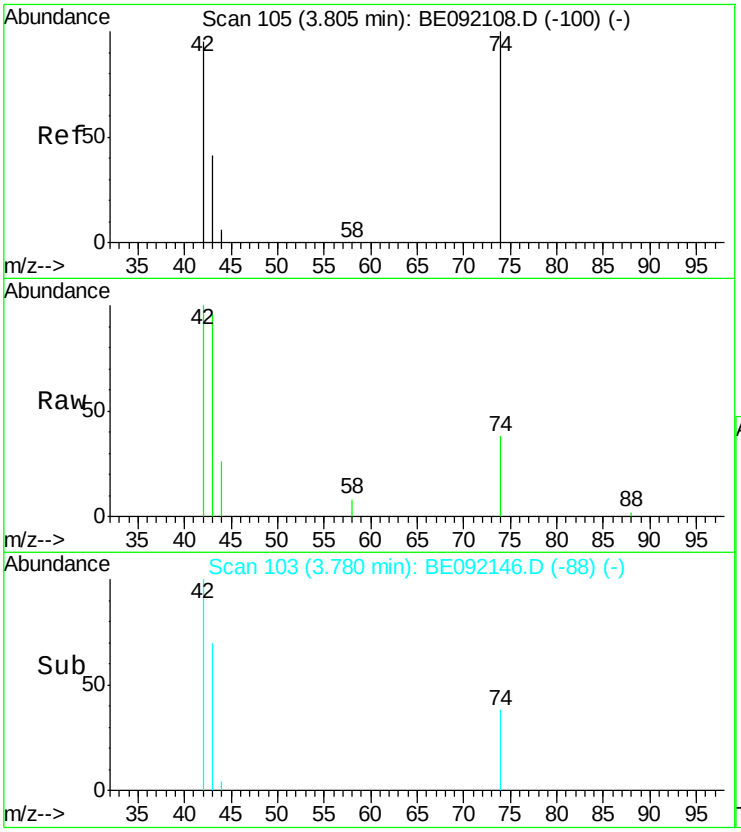


#2
1,4-Dioxane
Concen: 2.33 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion: 88 Resp: 4493

Ion	Ratio	Lower	Upper
88	100		
58	87.9	62.1	93.1
43	44.5	27.2	40.8#



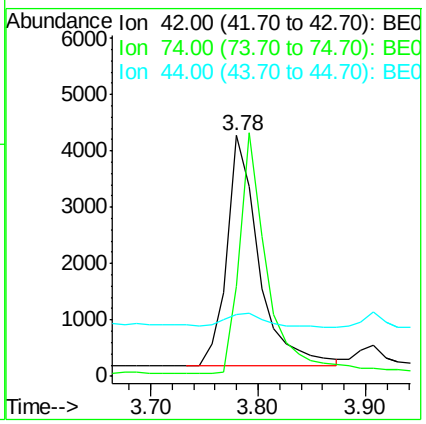


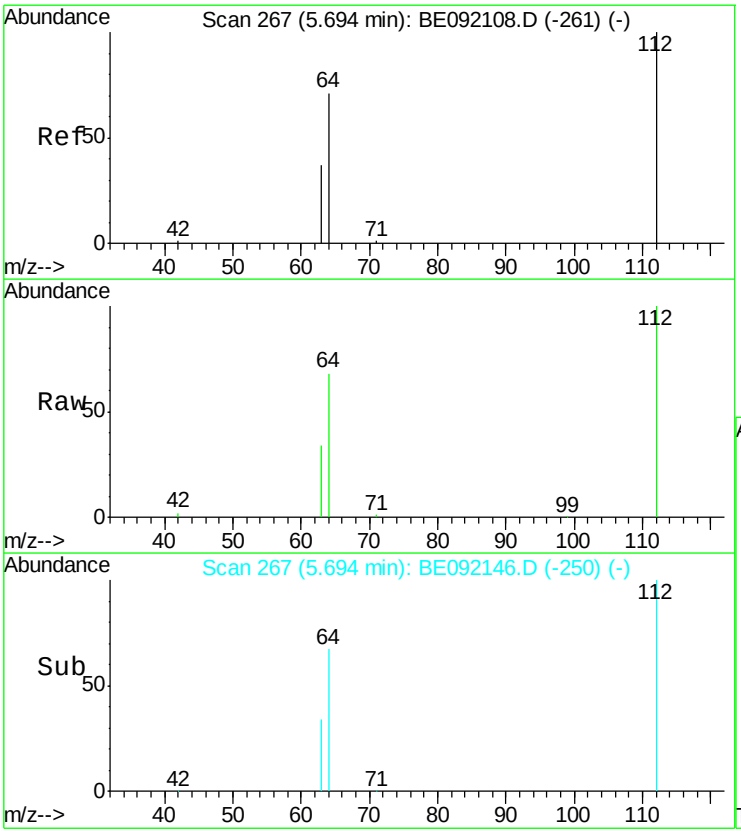
#3
n-Nitrosodimethylamine
Concen: 3.19 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.03 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion: 42 Resp: 8445

Ion	Ratio	Lower	Upper
42	100		
74	93.0	82.8	124.2
44	7.2	9.0	13.4#

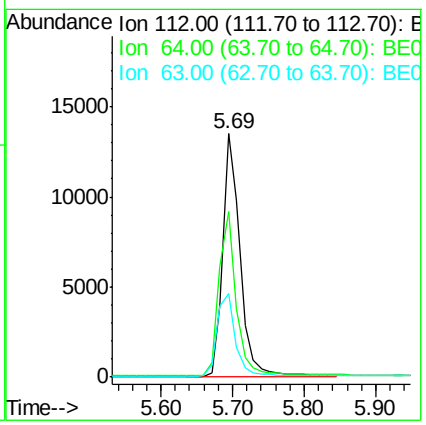


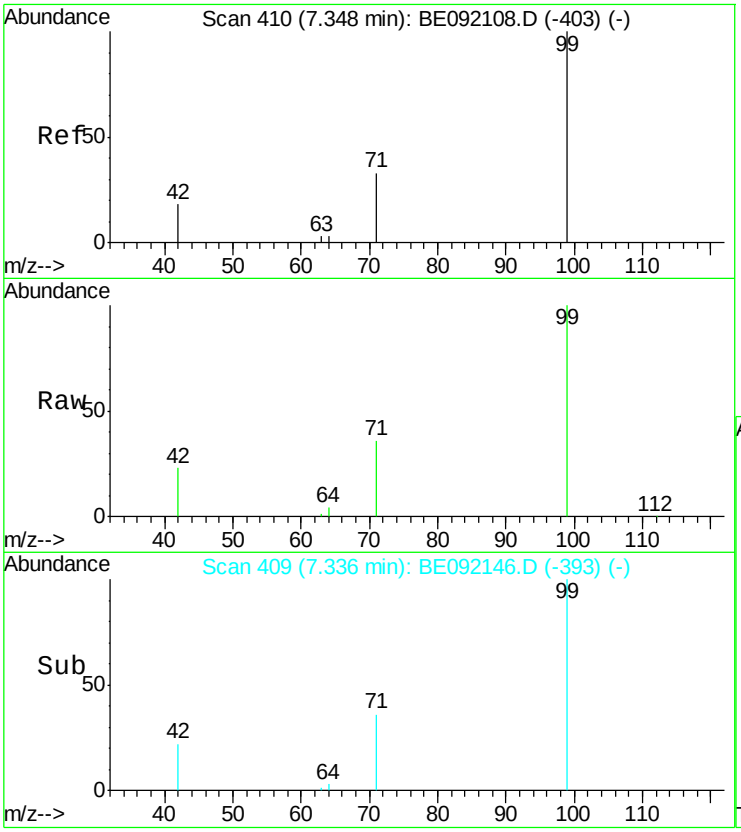


#4
2-Fluorophenol
Concen: 6.20 ng
RT: 5.69 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:112 Resp: 22527

Ion	Ratio	Lower	Upper
112	100		
64	66.9	55.9	83.9
63	36.3	31.1	46.7



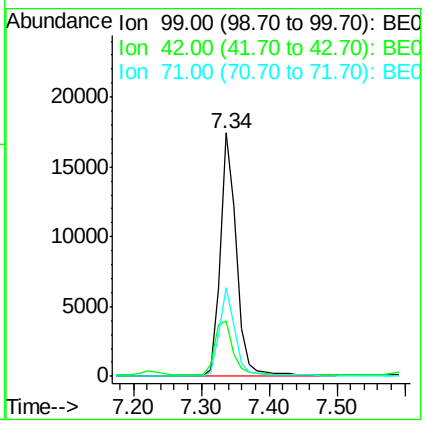


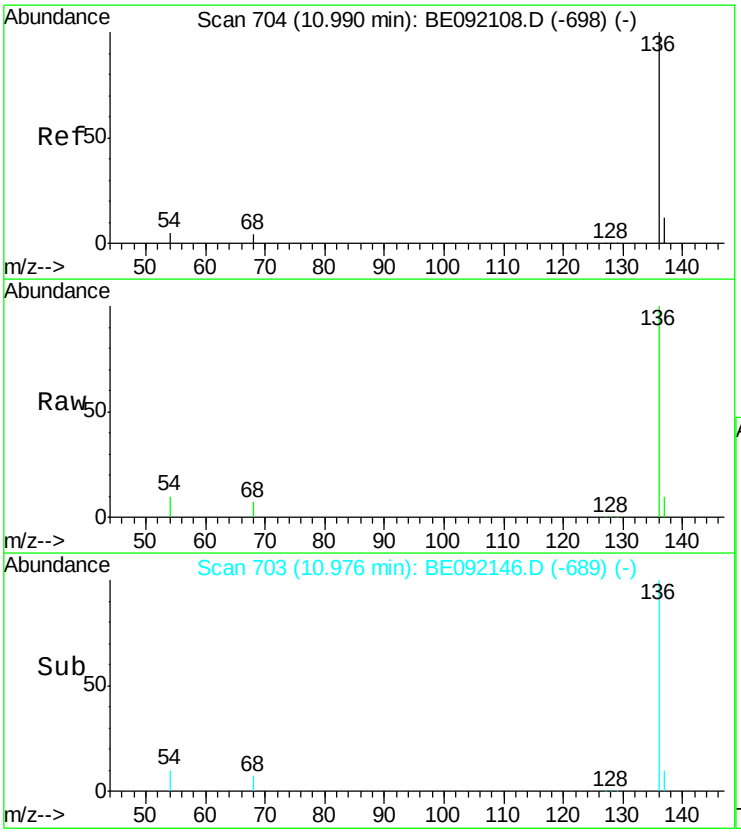
#5
Phenol-d6
Concen: 6.03 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion: 99 Resp: 29202

Ion	Ratio	Lower	Upper
99	100		
42	25.4	22.4	33.6
71	35.2	28.9	43.3

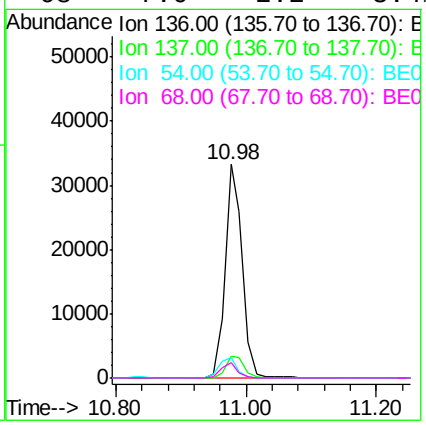


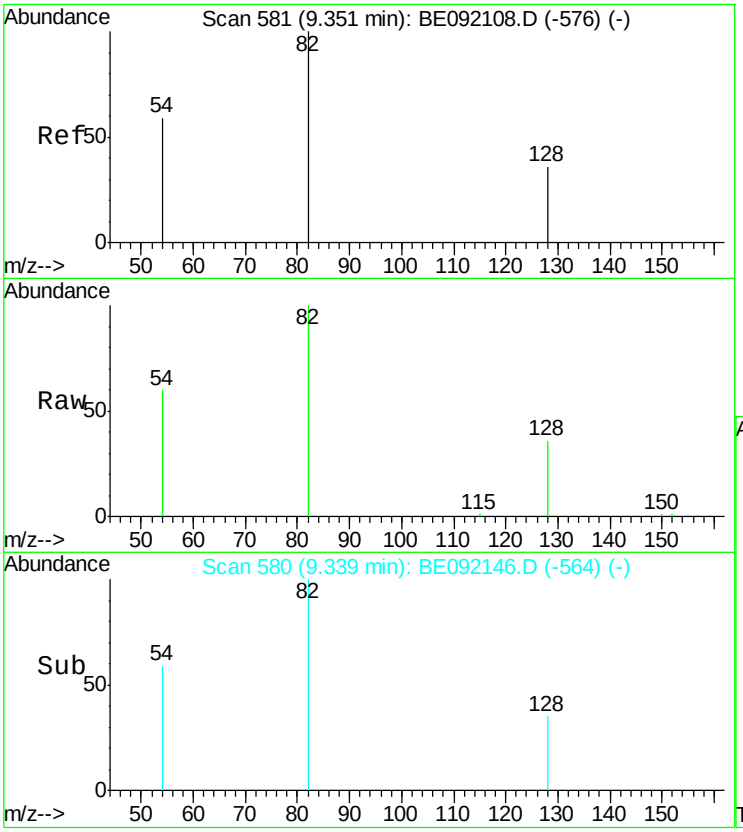


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:136 Resp: 61006

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	9.9	2.7	4.1#
68	7.0	2.2	3.4#



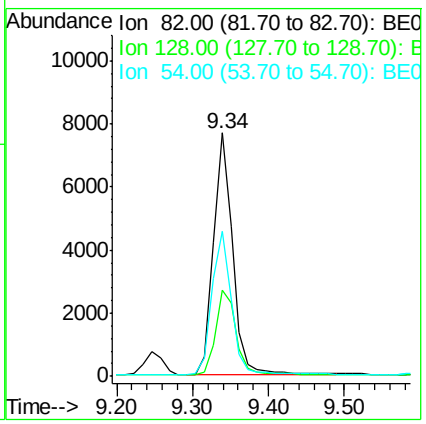


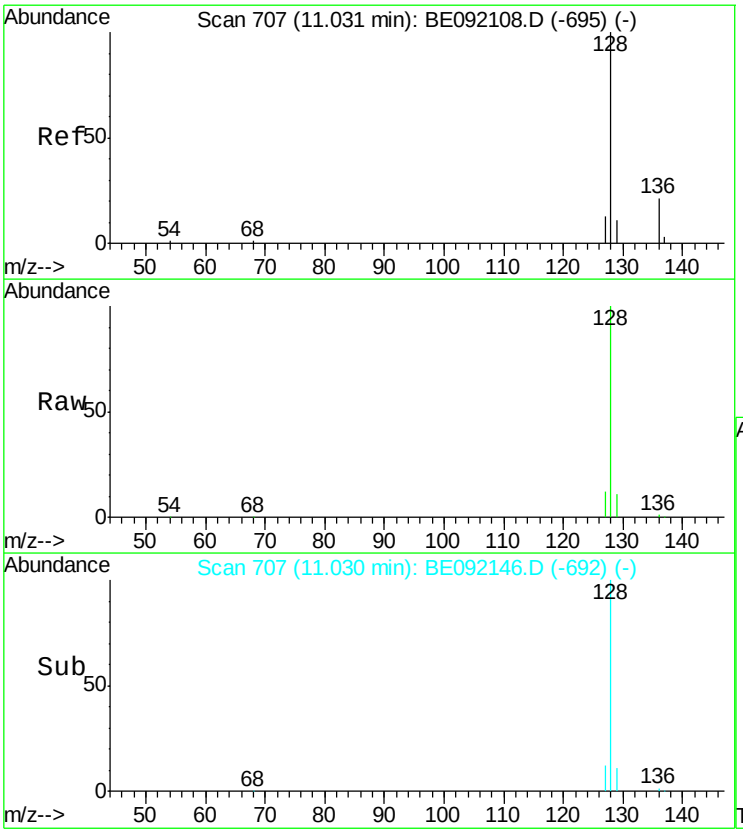
#7
Nitrobenzene-d5
Concen: 2.80 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion: 82 Resp: 13474

Ion	Ratio	Lower	Upper
82	100		
128	35.7	33.0	49.4
54	59.7	42.6	63.8

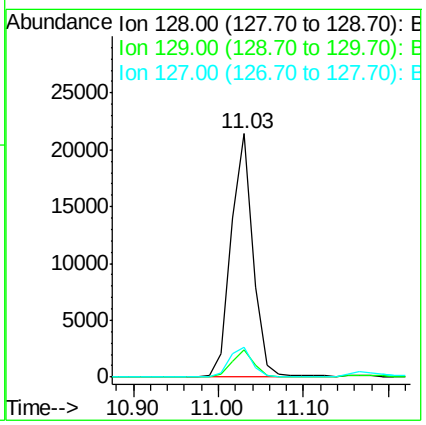


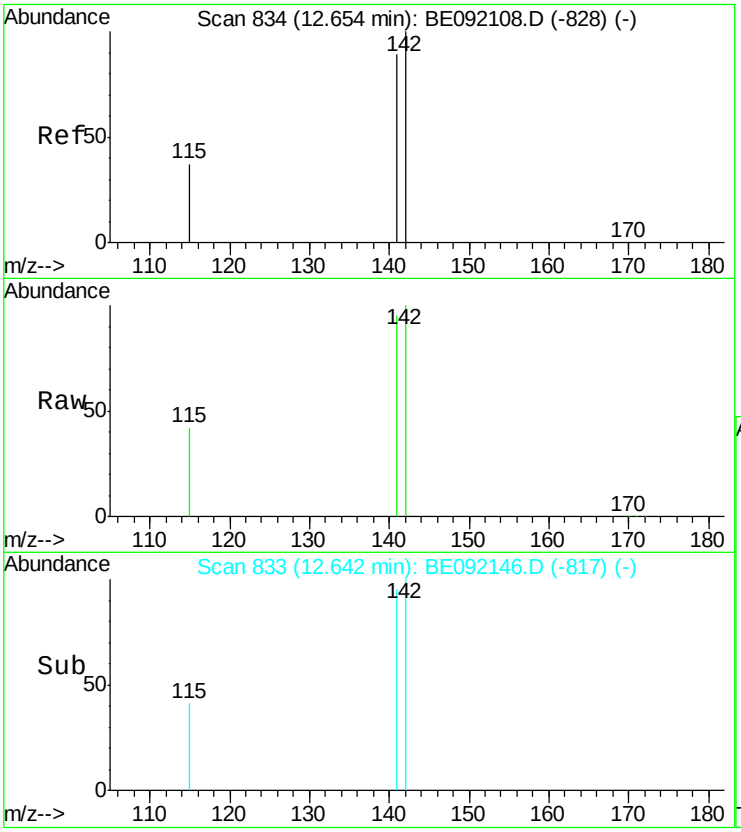


#8
Naphthalene
Concen: 2.88 ng
RT: 11.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:128 Resp: 37720

Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.1	16.7
127	12.4	11.3	16.9



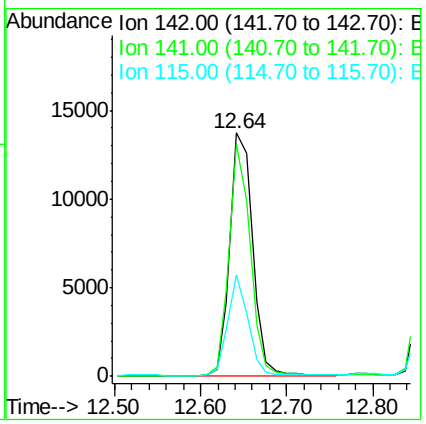


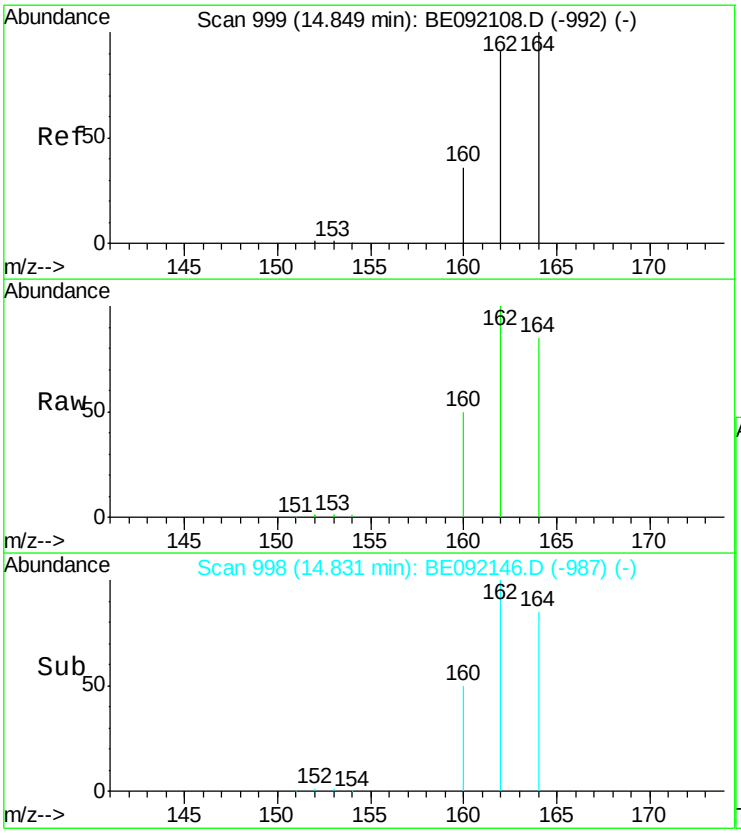
#9
2-Methylnaphthalene
Concen: 2.90 ng
RT: 12.64 min Scan# 833
Delta R.T. -0.01 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:142 Resp: 25118

Ion	Ratio	Lower	Upper
142	100		
141	95.3	65.1	97.7
115	41.5	27.0	40.4#

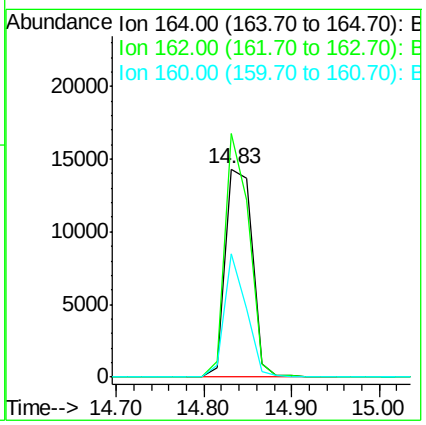


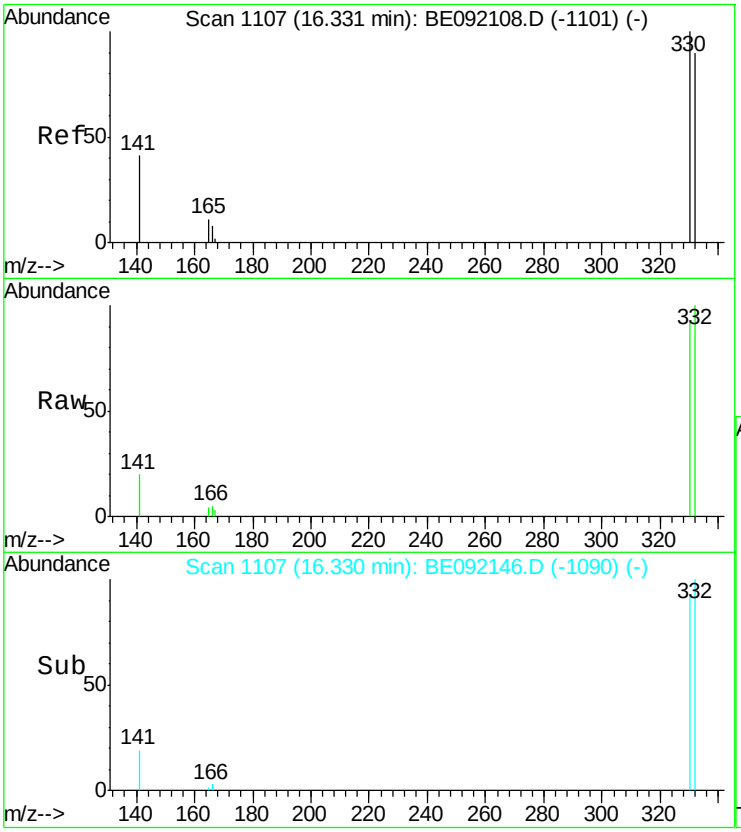


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:164 Resp: 30092

Ion	Ratio	Lower	Upper
164	100		
162	117.1	69.5	104.3#
160	59.1	27.6	41.4#



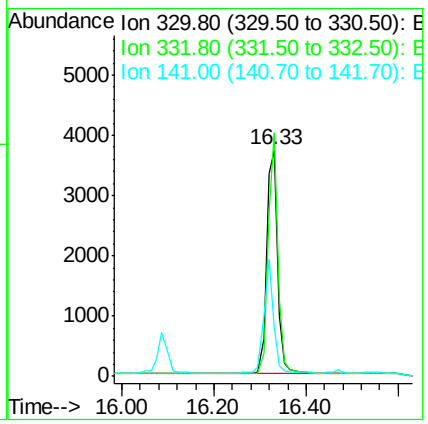


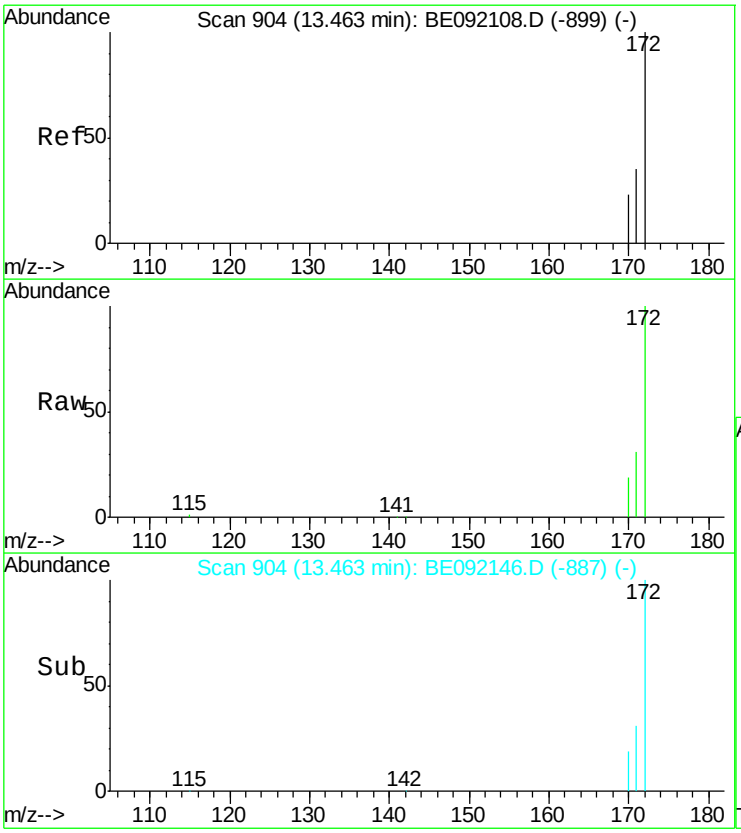
#11
2,4,6-Tribromophenol
Concen: 6.37 ng
RT: 16.33 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:330 Resp: 6227

Ion	Ratio	Lower	Upper
330	100		
332	97.7	74.2	111.4
141	44.5	139.8	209.8#

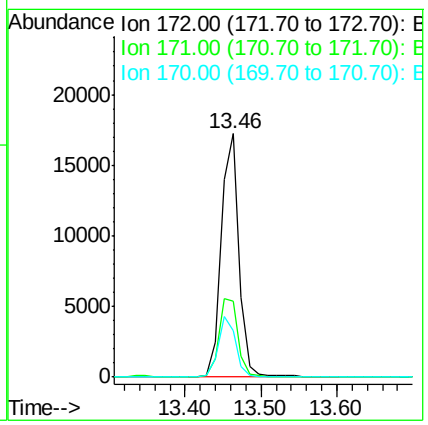


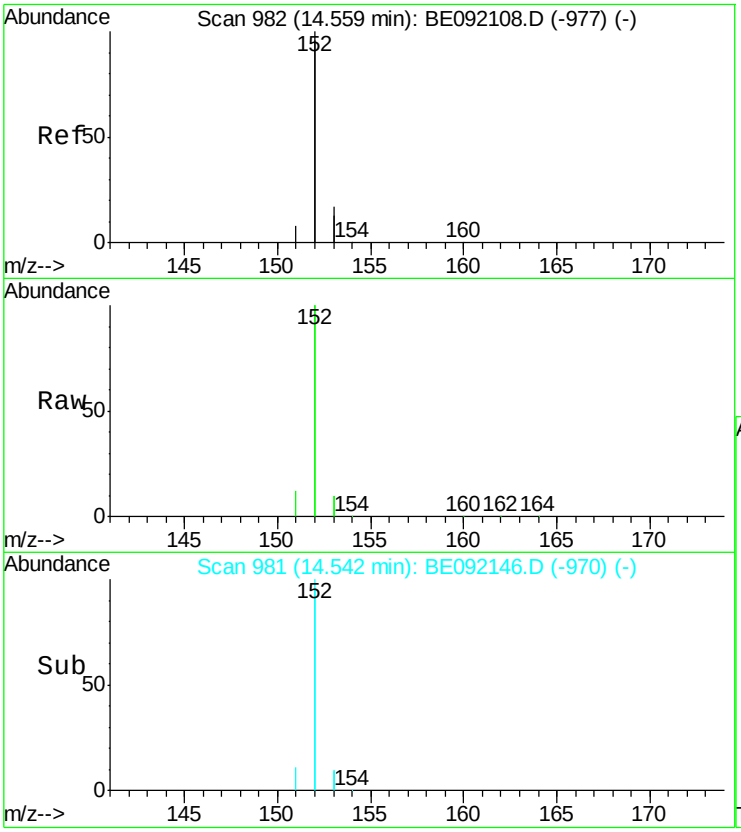


#12
2-Fluorobiphenyl
Concen: 2.94 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:172 Resp: 28053

Ion	Ratio	Lower	Upper
172	100		
171	31.1	30.3	45.5
170	18.9	21.6	32.4#



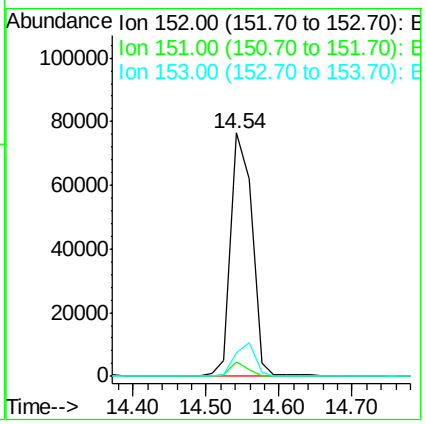


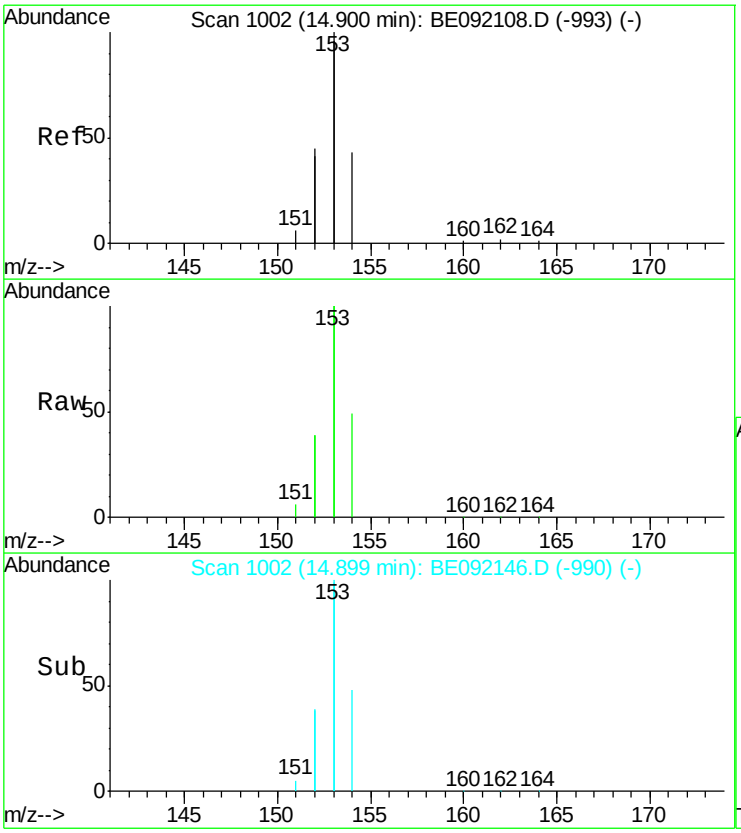
#13
Acenaphthylene
Concen: 2.86 ng
RT: 14.54 min Scan# 981
Delta R.T. -0.02 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:152 Resp: 151926

Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	12.9	9.6	14.4

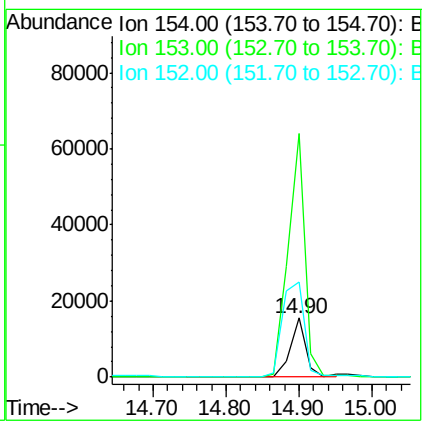


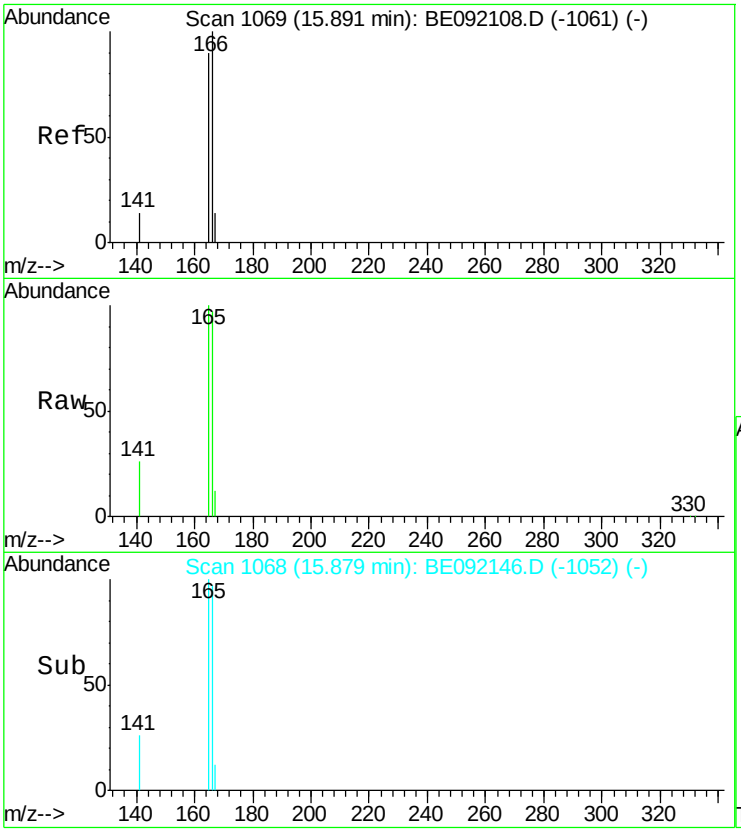


#14
Acenaphthene
Concen: 2.76 ng
RT: 14.90 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:154 Resp: 23383

Ion	Ratio	Lower	Upper
154	100		
153	436.7	345.1	517.7
152	217.9	0.0	0.0#



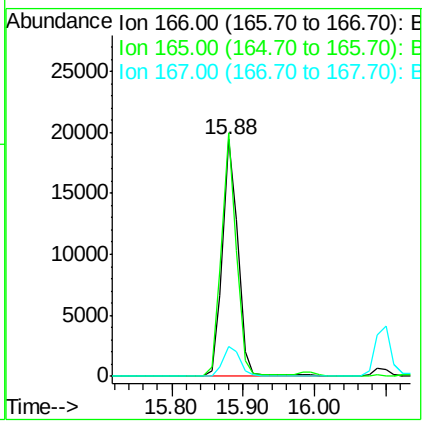


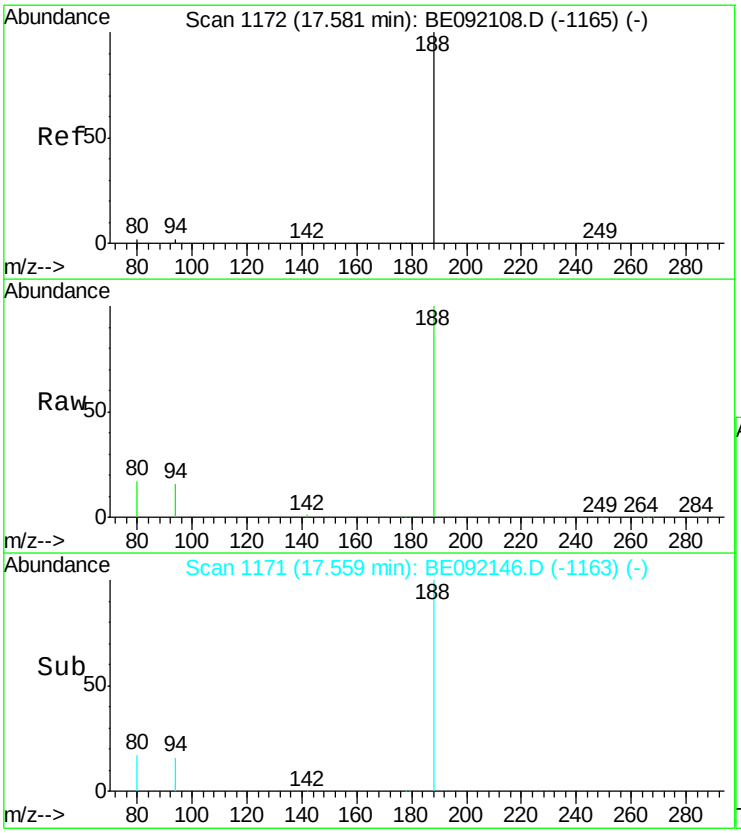
#15
Fluorene
Concen: 2.71 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:166 Resp: 29041

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	13.3	11.1	16.7

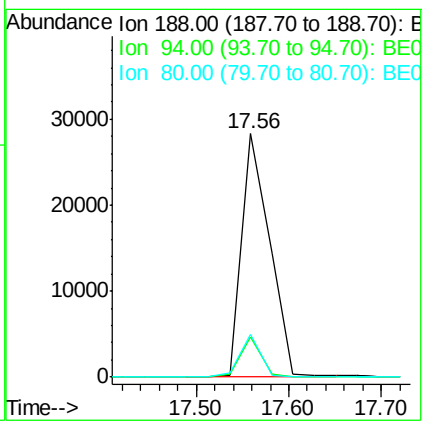


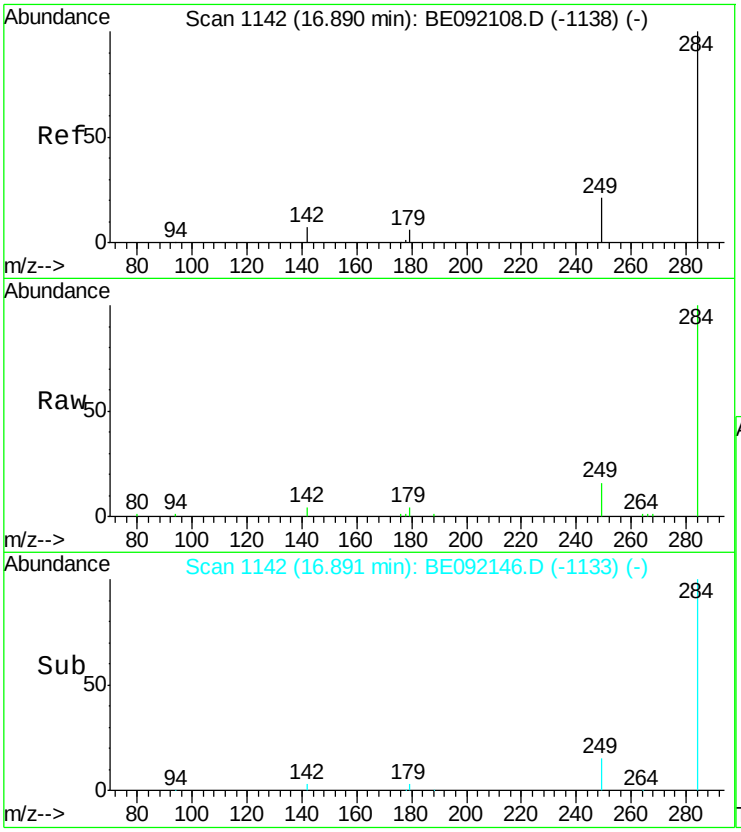


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:188 Resp: 59857

Ion	Ratio	Lower	Upper
188	100		
94	16.4	3.9	5.9#
80	17.4	3.4	5.0#



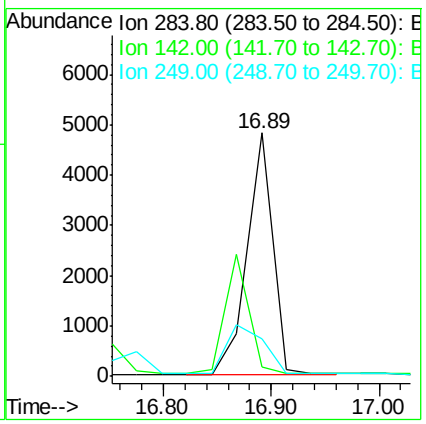


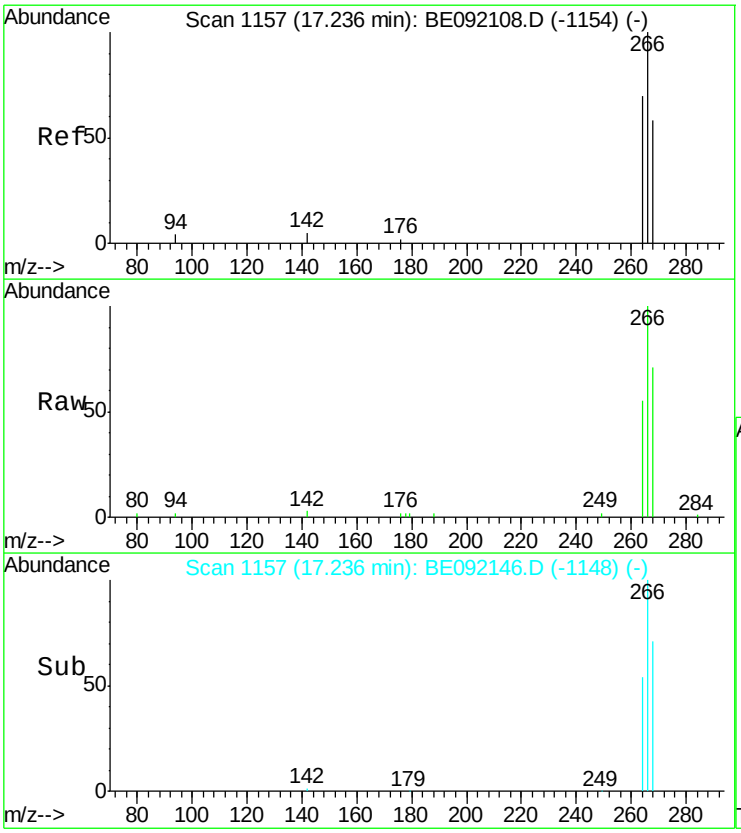
#17
Hexachlorobenzene
Concen: 2.69 ng
RT: 16.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:284 Resp: 7864

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

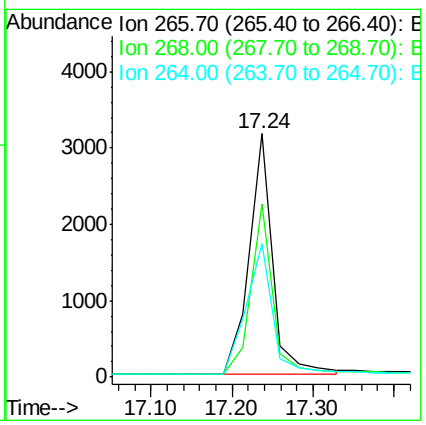


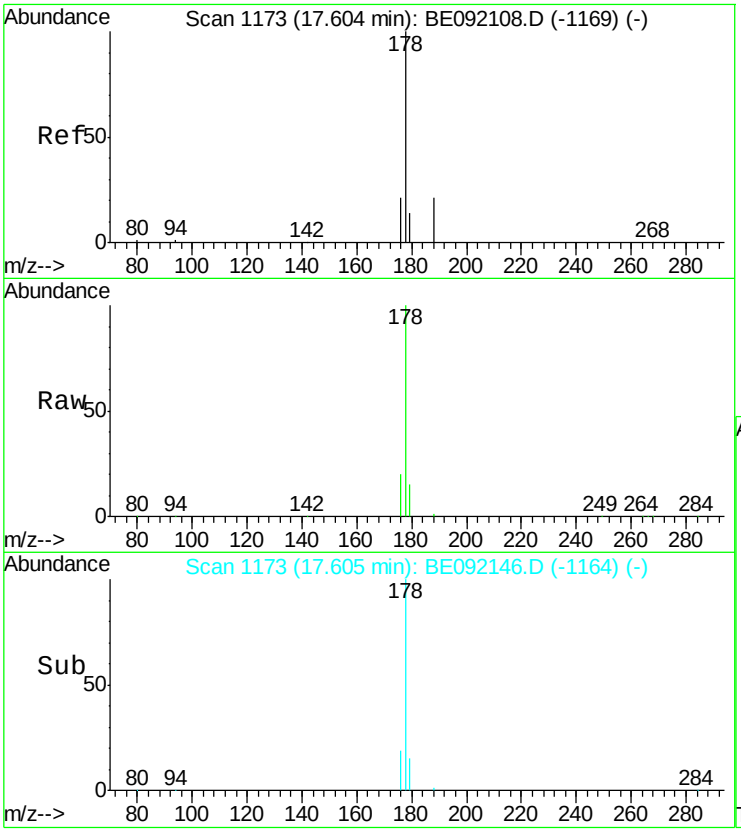


#18
Pentachlorophenol
Concen: 5.75 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:266 Resp: 6271

Ion	Ratio	Lower	Upper
266	100		
268	71.2	62.7	94.1
264	54.6	63.5	95.3#



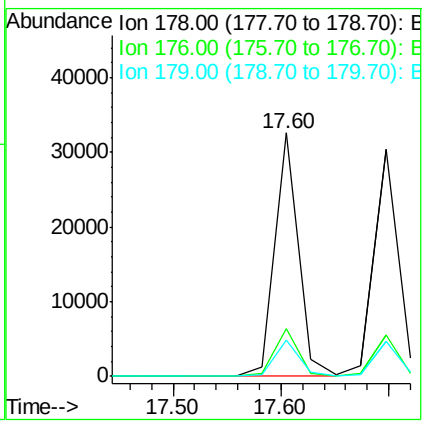


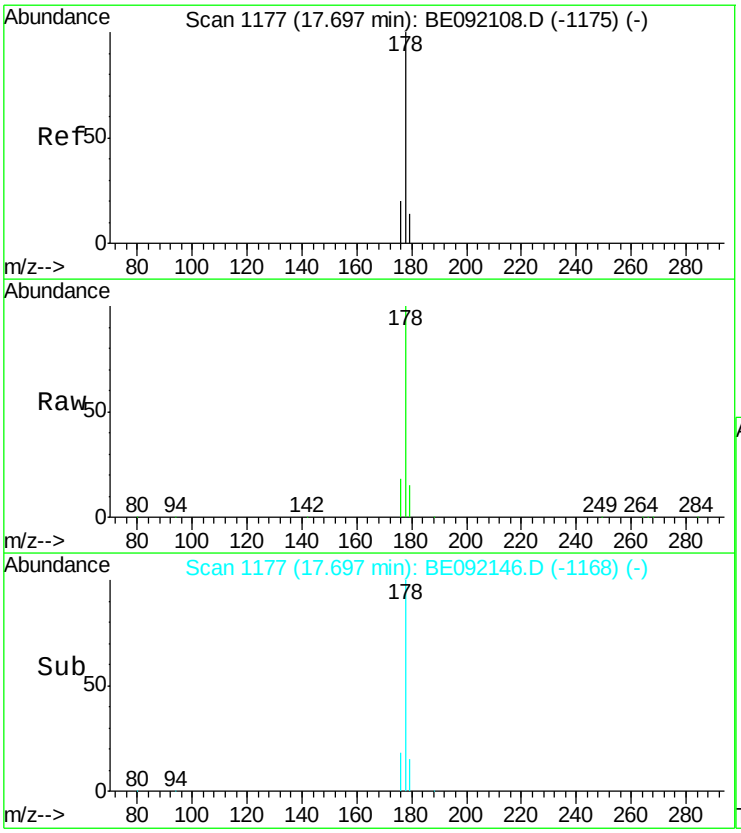
#19
Phenanthrene
Concen: 3.07 ng
RT: 17.60 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:178 Resp: 50209

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.2	12.7	19.1

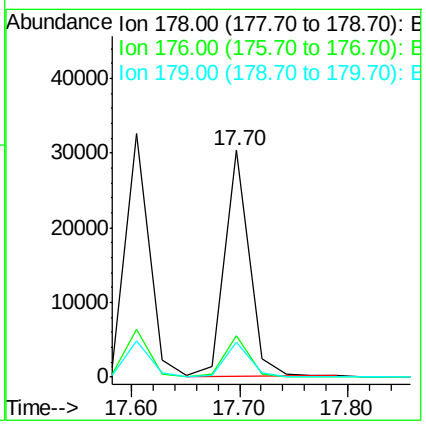


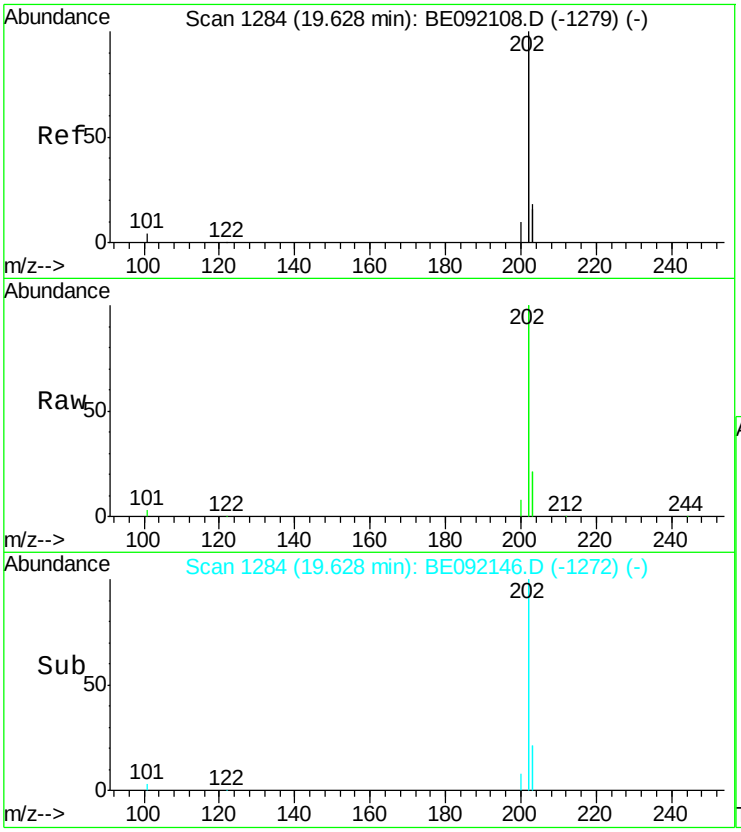


#20
Anthracene
Concen: 2.97 ng
RT: 17.70 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:178 Resp: 47365

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.3	12.2	18.4



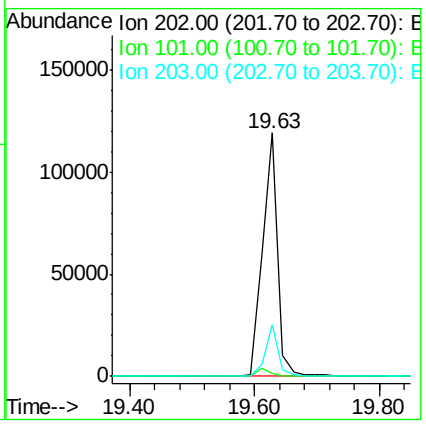


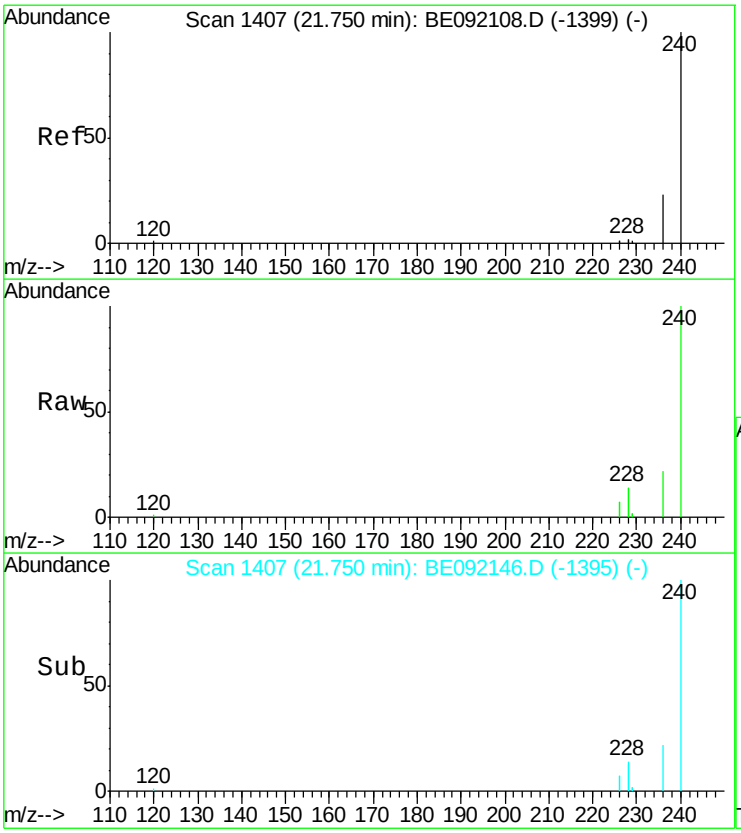
#21
Fluoranthene
Concen: 2.71 ng
RT: 19.63 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:202 Resp: 198041

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.2
203	18.2	13.0	19.4

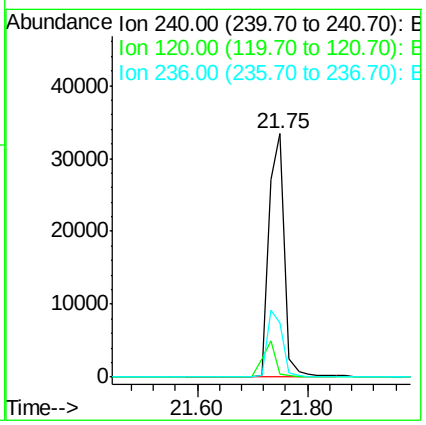


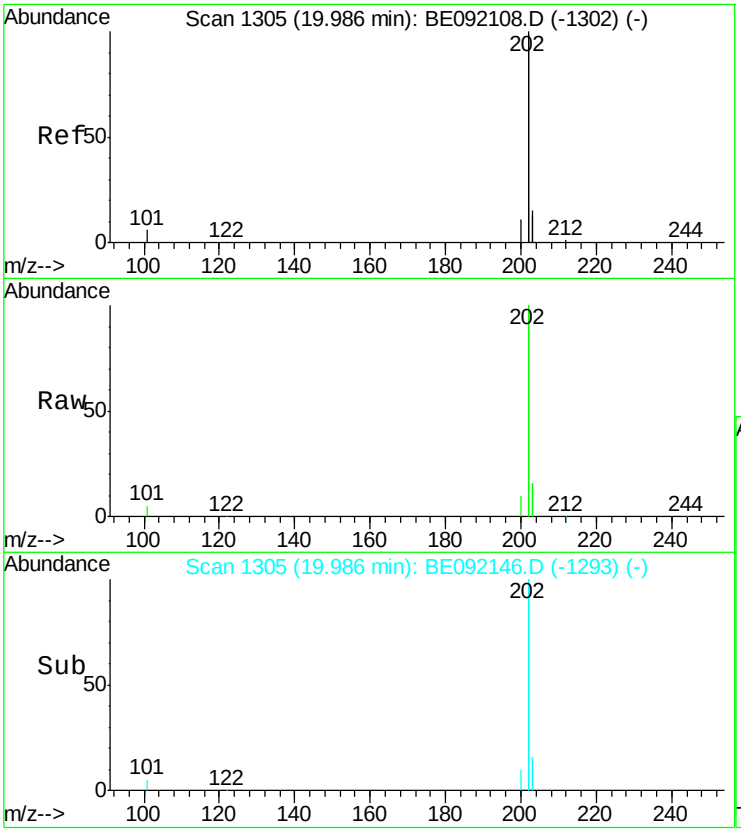


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:240 Resp: 65562

Ion	Ratio	Lower	Upper
240	100		
120	1.4	0.6	1.0#
236	22.0	18.2	27.4



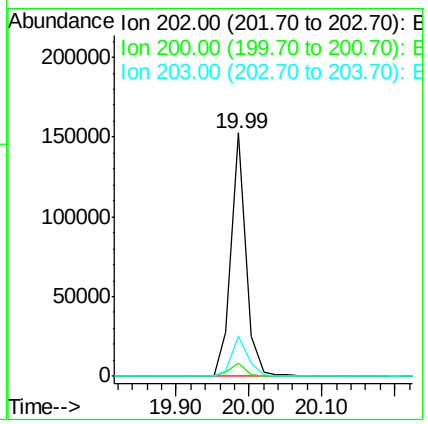


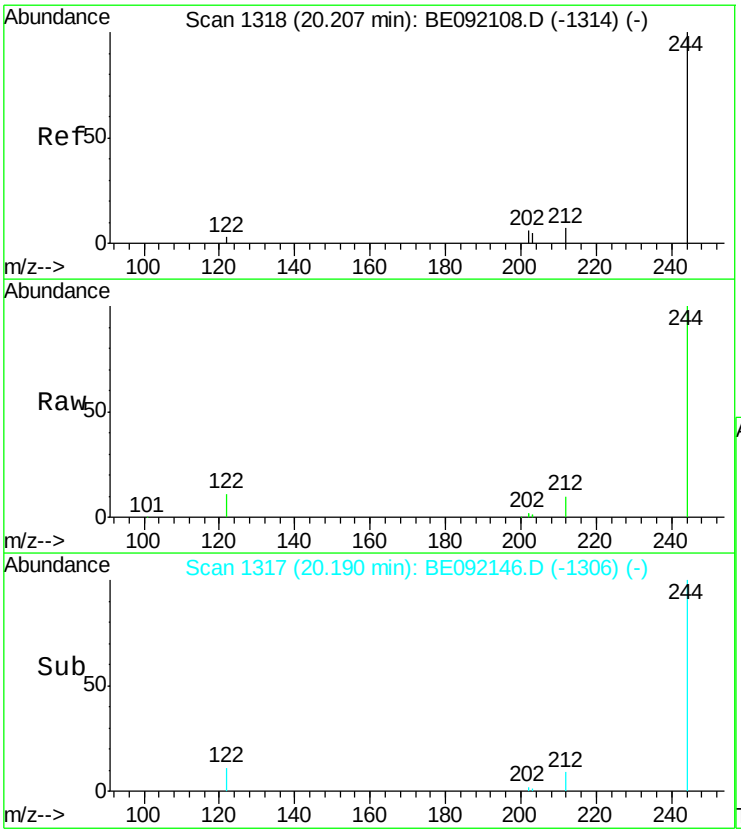
#23
Pyrene
Concen: 3.13 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:202 Resp: 214267

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.4	6.6
203	17.8	13.4	20.0

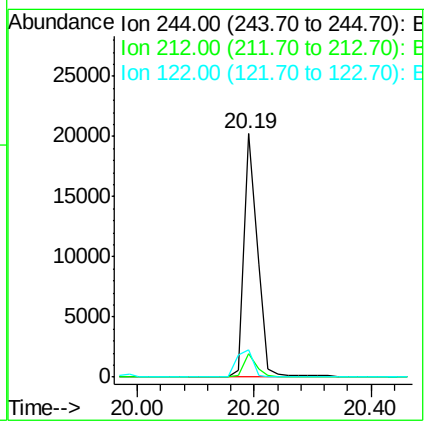


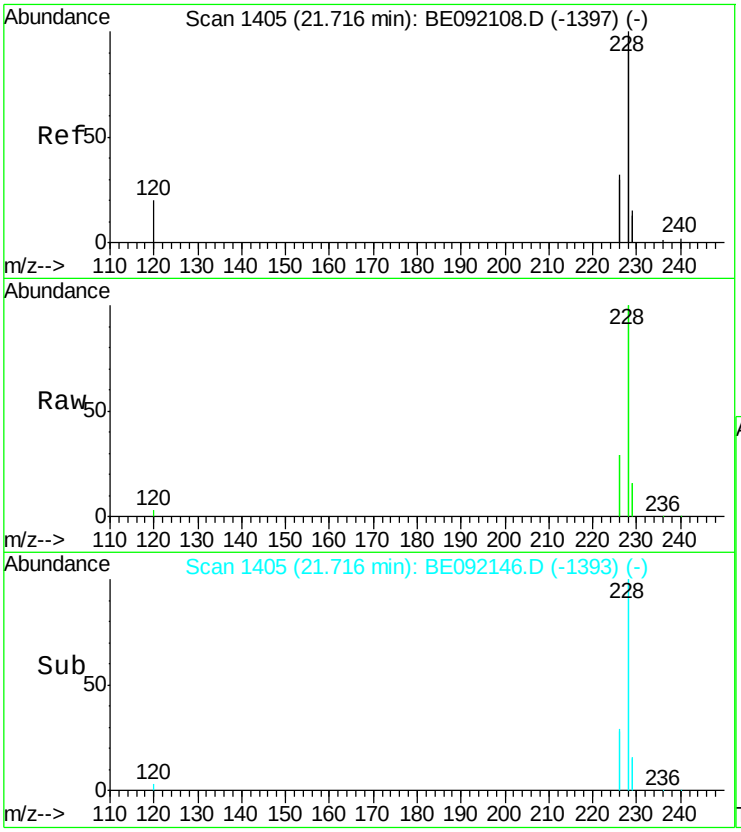


#24
Terphenyl-d14
Concen: 3.40 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:244 Resp: 32017

Ion	Ratio	Lower	Upper
244	100		
212	9.6	9.1	13.7
122	11.1	11.0	16.4



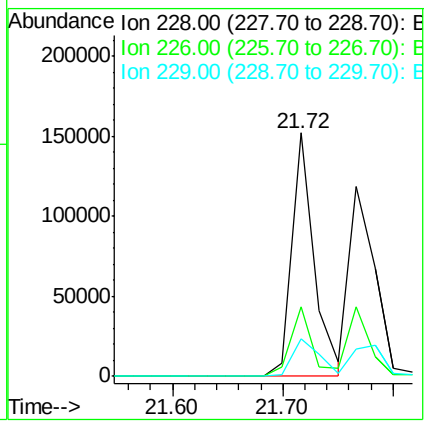


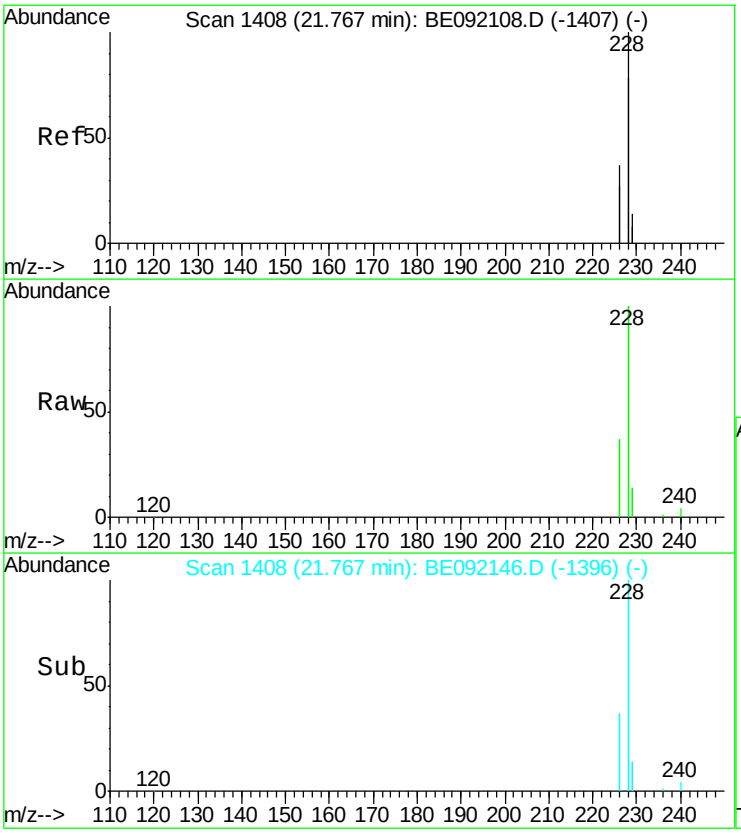
#25
Benzo(a)anthracene
Concen: 2.95 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:228 Resp: 212540

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	15.6	15.1	22.7

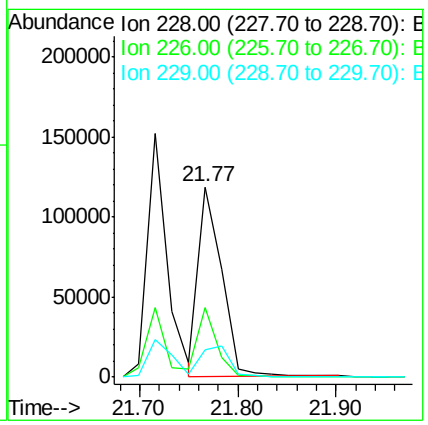


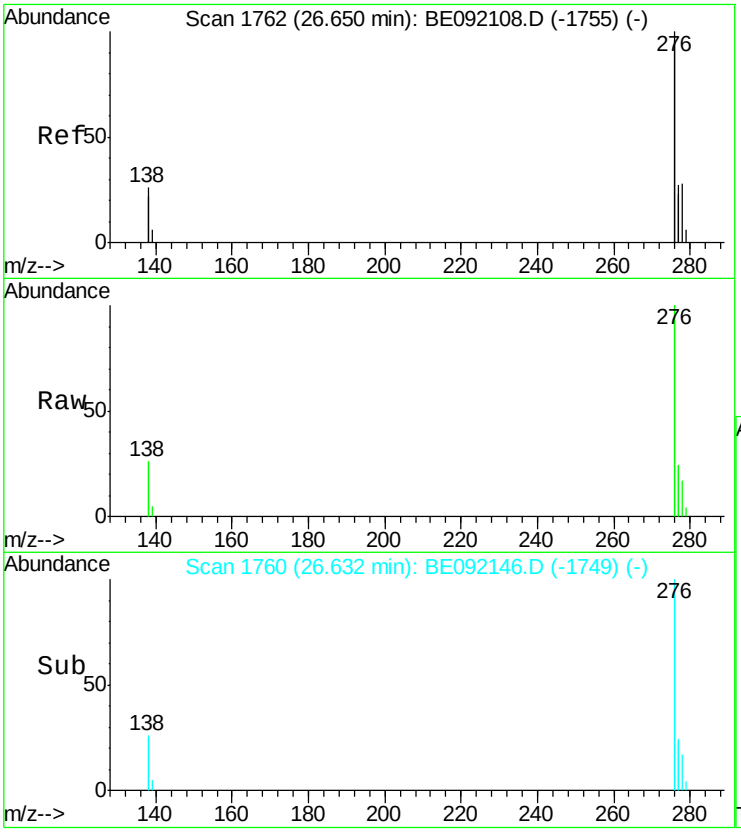


#26
Chrysene
Concen: 2.73 ng
RT: 21.77 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:228 Resp: 196900

Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.3	33.5#
229	14.2	16.9	25.3#



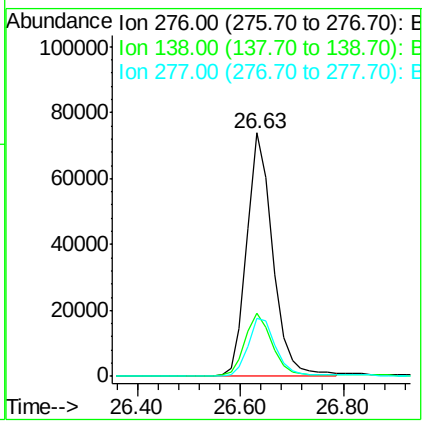


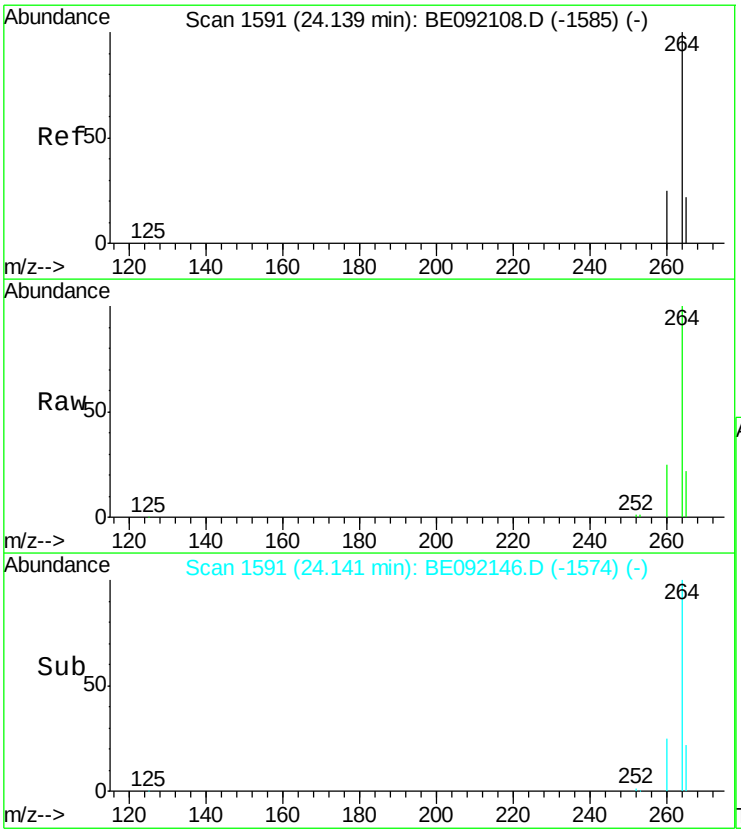
#27
Indeno(1,2,3-cd)pyrene
Concen: 3.25 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:276 Resp: 254521

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.2	31.8
277	24.9	19.8	29.8

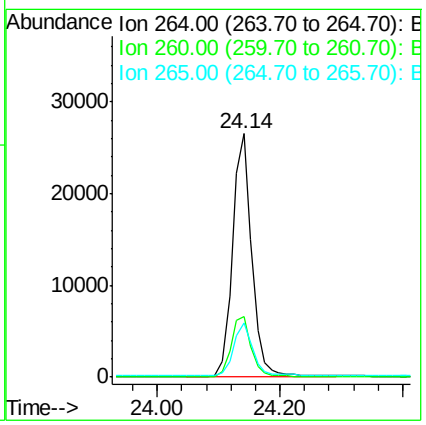


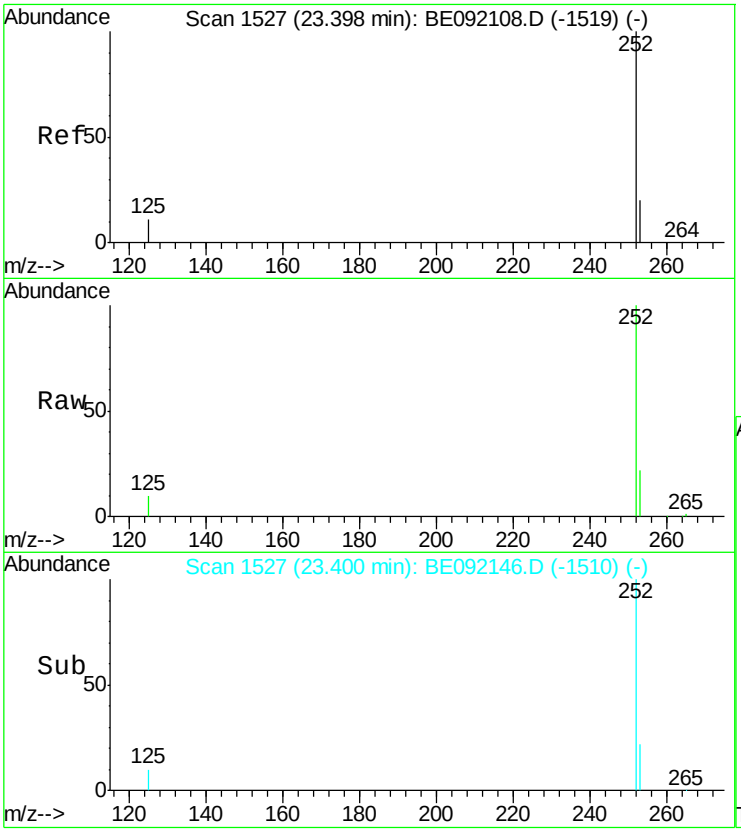


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:264 Resp: 57837

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.8	31.2
265	22.4	16.6	25.0



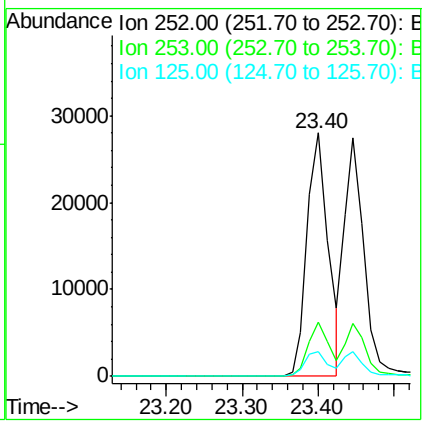


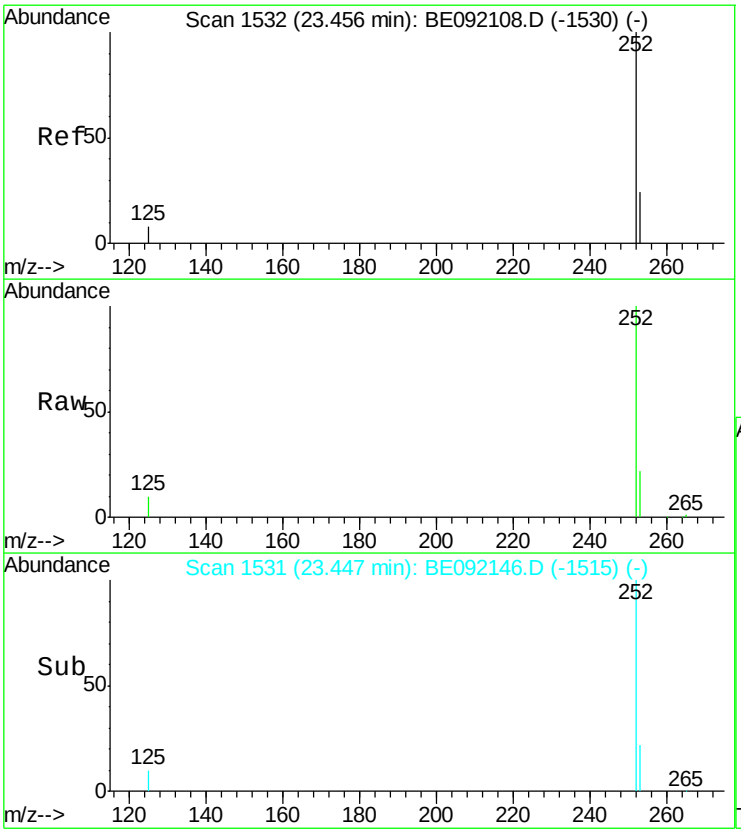
#29
Benzo(b)fluoranthene
Concen: 3.41 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:252 Resp: 54009

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	10.2	10.2	15.2

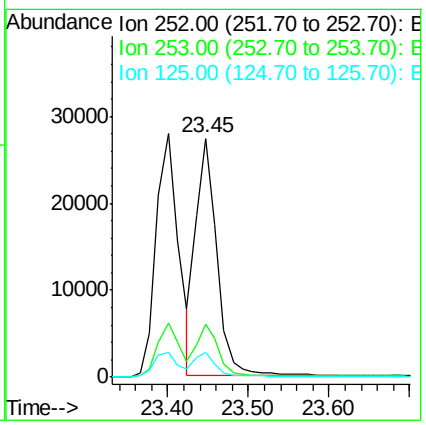


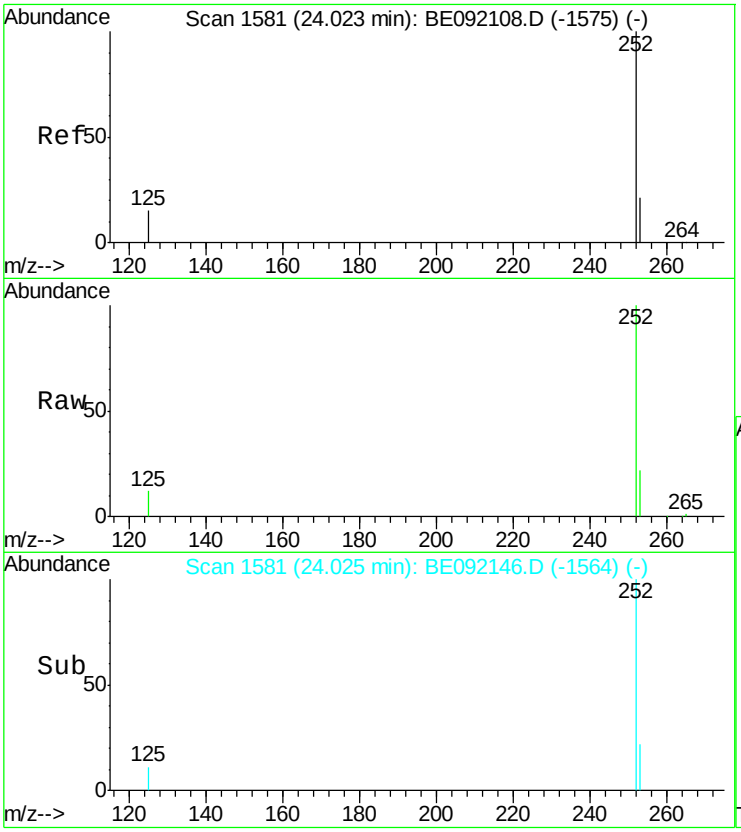


#30
Benzo(k)fluoranthene
Concen: 3.30 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:252 Resp: 50094

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.4	29.0
125	10.2	8.9	13.3



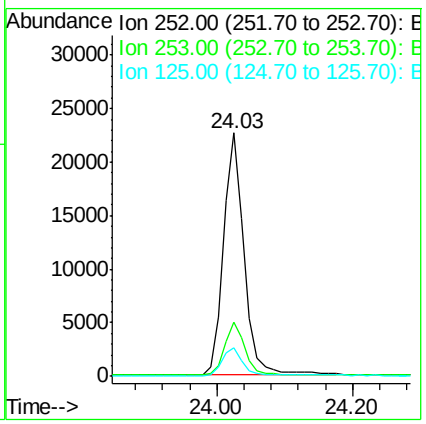


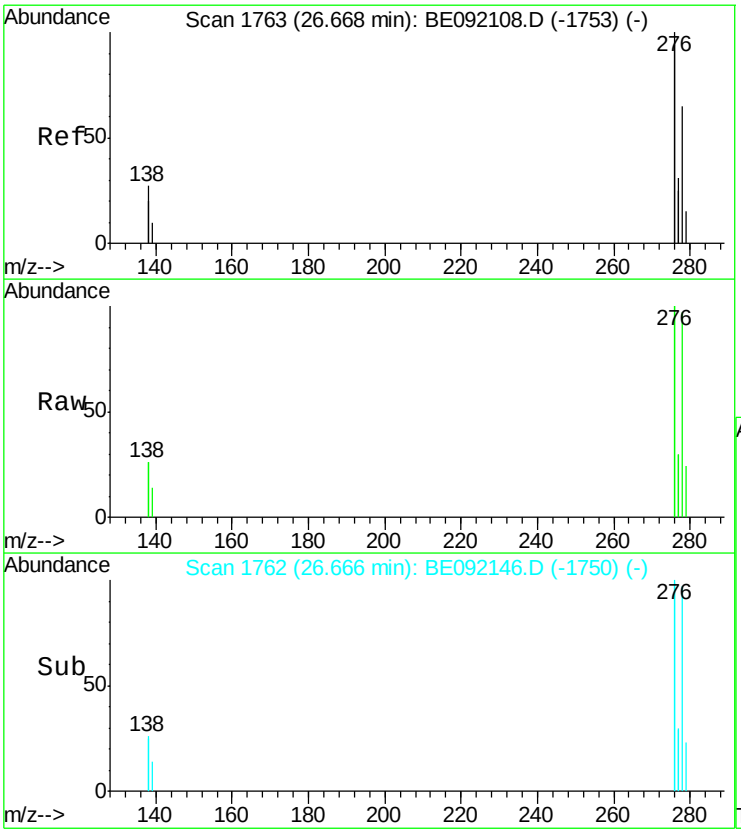
#31
Benzo(a)pyrene
Concen: 3.34 ng
RT: 24.03 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:252 Resp: 48590

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.8	29.8
125	11.5	10.4	15.6

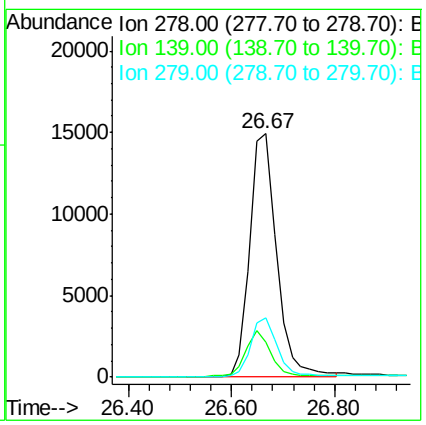


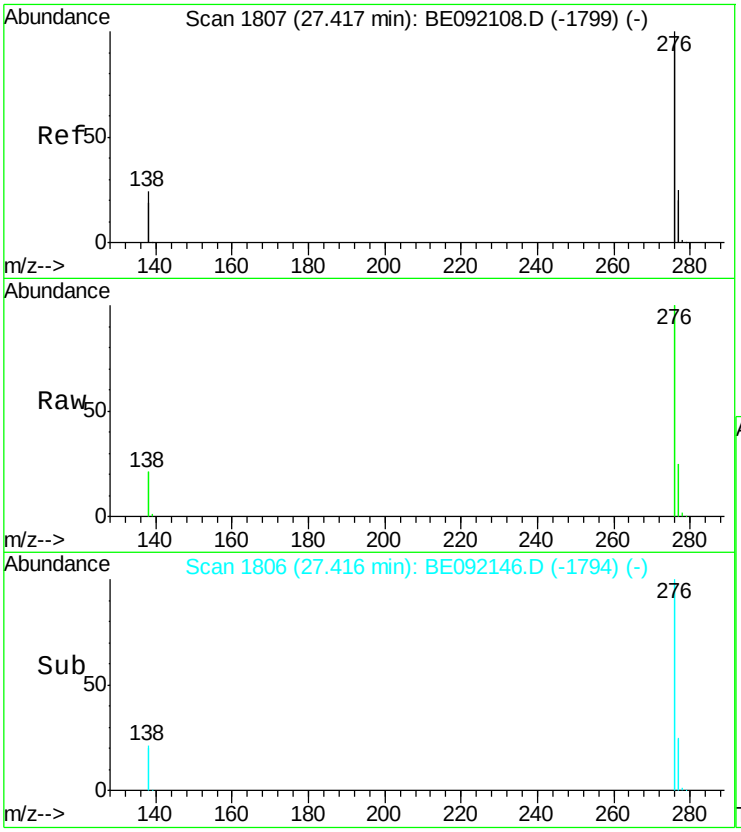


#32
Dibenzo(a,h)anthracene
Concen: 3.84 ng
RT: 26.67 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Tgt Ion:278 Resp: 53281

Ion	Ratio	Lower	Upper
278	100		
139	14.5	16.7	25.1#
279	24.3	20.3	30.5





#33
Benzo(g,h,i)perylene
Concen: 3.68 ng
RT: 27.42 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BE092146.D
Acq: 3 Aug 2016 14:15

Instrument :
BNA_E
ClientSampleId :
PB92496BSD

Tgt Ion:276 Resp: 217984

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.5	29.3
138	20.8	20.8	31.2