Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080216\
Data File : BE092141.D
Acq On : 3 Aug 2016 9:59
Operator : UM/SJ
Sample : PB92567BSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB92567BSD

Quant Time: Aug 03 12:46:05 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	17199	5.00	ng		0.00
6) Naphthalene-d8	10.98	136	73863	5.00	ng		-0.01
10) Acenaphthene-d10	14.83	164	37811	5.00	ng		-0.02
16) Phenanthrene-d10	17.56	188	76344	5.00	ng		-0.02
22) Chrysene-d12	21.73	240	77938	5.00	ng		-0.02
28) Perylene-d12	24.14	264	73118	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	28131	6.37	ng		0.00
5) Phenol-d6	7.34	99	36569	6.21	ng		-0.01
7) Nitrobenzene-d5	9.34	82	16716	2.87	ng		-0.01
11) 2,4,6-Tribromophenol	16.32	330	8004	6.52	ng		-0.01
12) 2-Fluorobiphenyl	13.46	172	34462	2.88	ng		0.00
24) Terphenyl-d14	20.19	244	39141	3.50	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	5751	2.46	ng	#	78
3) n-Nitrosodimethylamine	3.78	42	9979	3.10	ng	#	95
8) Naphthalene	11.03	128	47569	3.00	ng		95
9) 2-Methylnaphthalene	12.64	142	32182	3.07	ng	#	86
13) Acenaphthylene	14.54	152	194012	2.91	ng		98
14) Acenaphthene	14.90	154	32057	3.02	ng	#	94
15) Fluorene	15.88	166	36997	2.74	ng		99
17) Hexachlorobenzene	16.89	284	10472	2.80	ng	#	38
18) Pentachlorophenol	17.23	266	8305	5.96	ng	#	82
19) Phenanthrene	17.60	178	64981	3.12	ng		99
20) Anthracene	17.70	178	60949	3.00	ng		100
21) Fluoranthene	19.63	202	258186	2.76	ng		97
23) Pyrene	19.99	202	273180	3.35	ng		97
25) Benzo(a)anthracene	21.72	228	272925	3.19	ng		97
26) Chrysene	21.72	228	272925	3.18	ng		94
27) Indeno(1,2,3-cd)pyrene	26.63	276	288385	3.09	ng		99
29) Benzo(b)fluoranthene	23.45	252	57708	2.89	ng		97
30) Benzo(k)fluoranthene	23.45	252	58758	3.06	ng		96
31) Benzo(a)pyrene	24.02	252	56364	3.07	ng		95
32) Dibenzo(a,h)anthracene	26.65	278	58705	3.35	ng		96
33) Benzo(g,h,i)perylene	27.40	276	251795	3.36	ng		96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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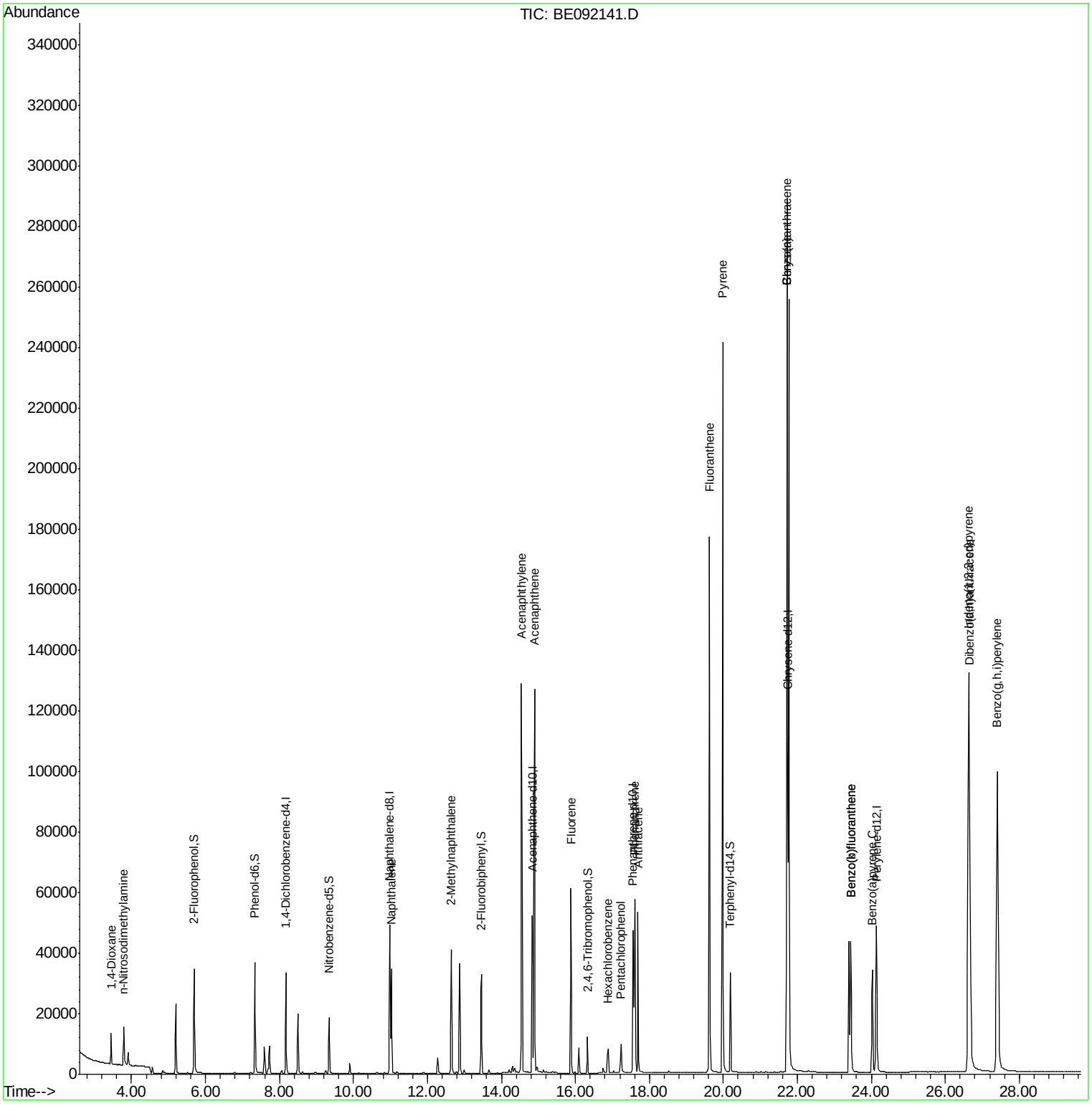
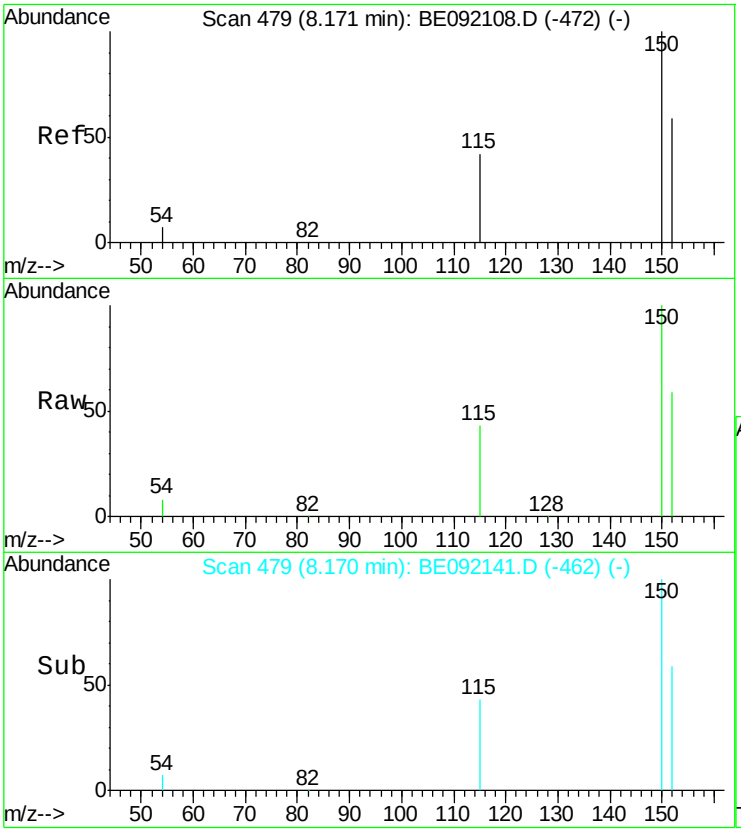


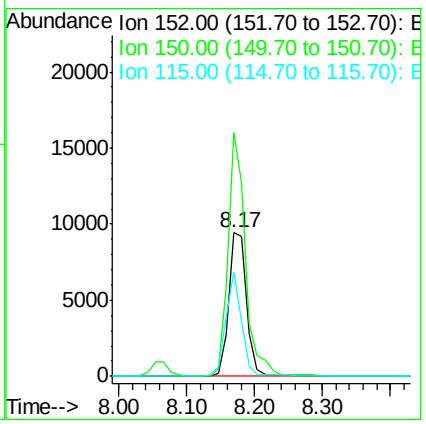


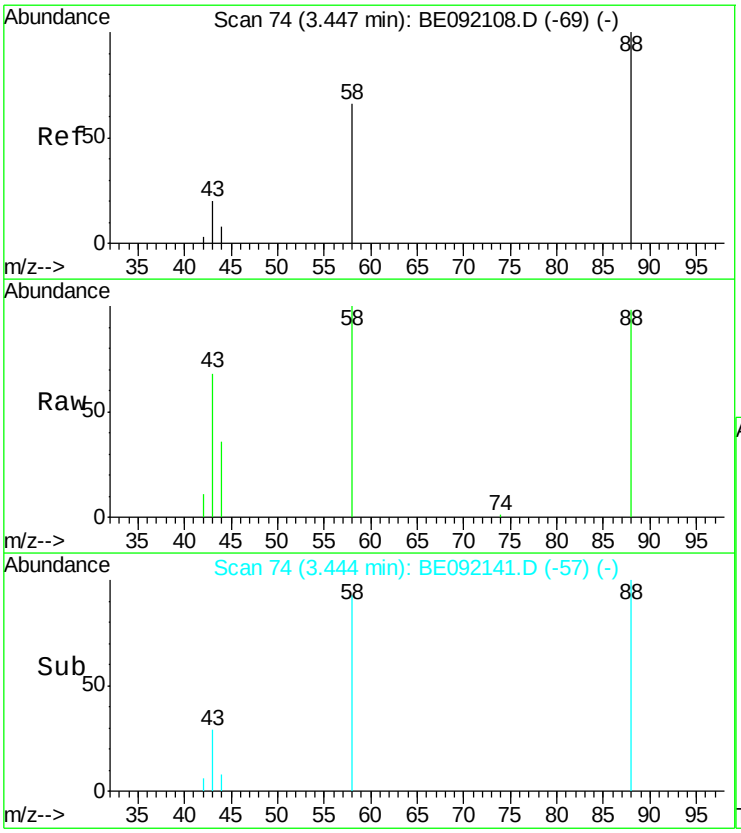
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:152 Resp: 17199

Ion	Ratio	Lower	Upper
152	100		
150	170.1	106.0	159.0#
115	72.8	36.9	55.3#

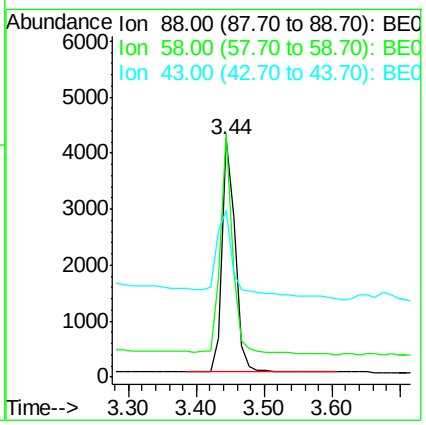


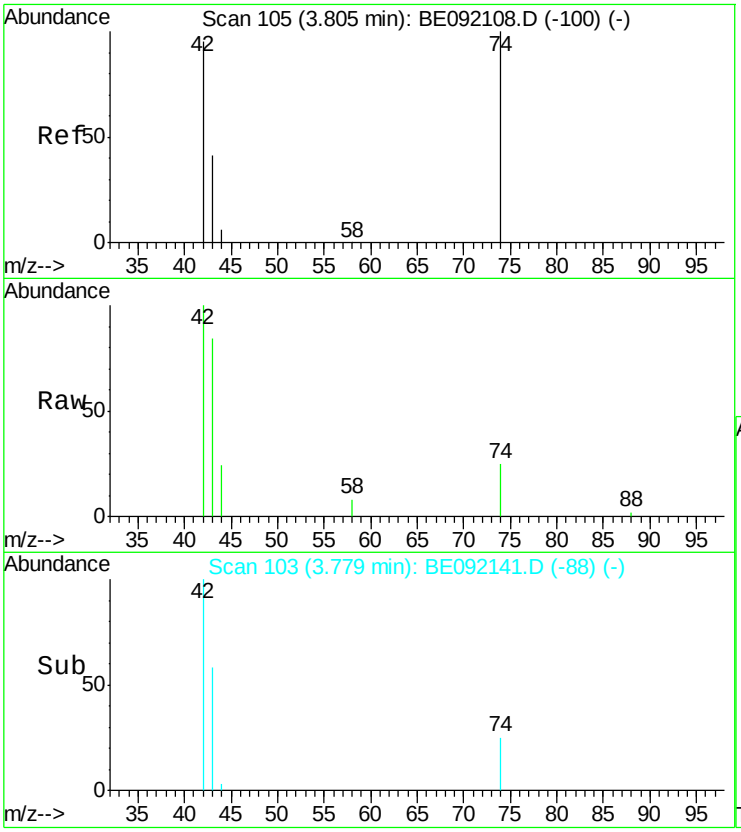


#2
1,4-Dioxane
Concen: 2.46 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion: 88 Resp: 5751

Ion	Ratio	Lower	Upper
88	100		
58	91.7	62.1	93.1
43	54.6	27.2	40.8#



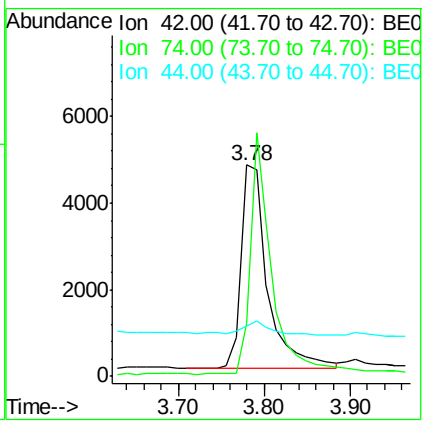


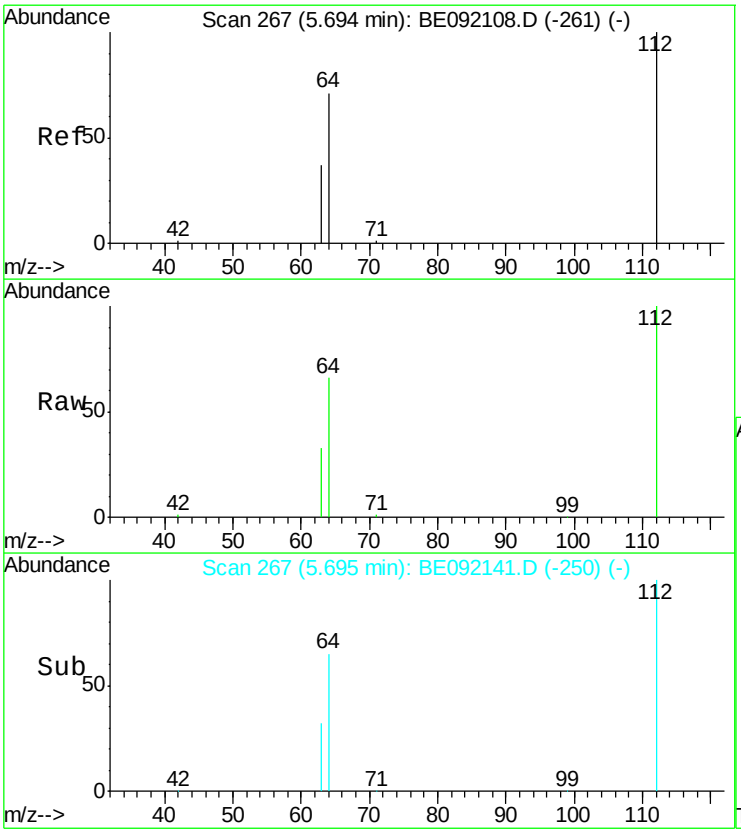
#3
n-Nitrosodimethylamine
Concen: 3.10 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.03 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion: 42 Resp: 9979

Ion	Ratio	Lower	Upper
42	100		
74	99.5	82.8	124.2
44	7.3	9.0	13.4#

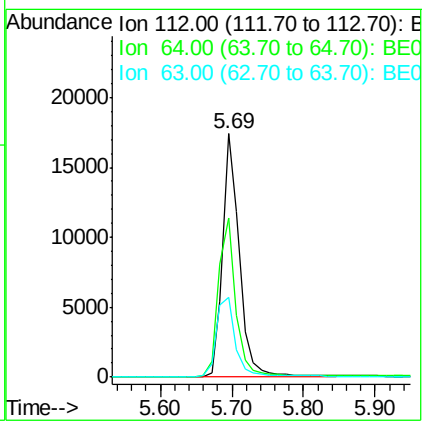


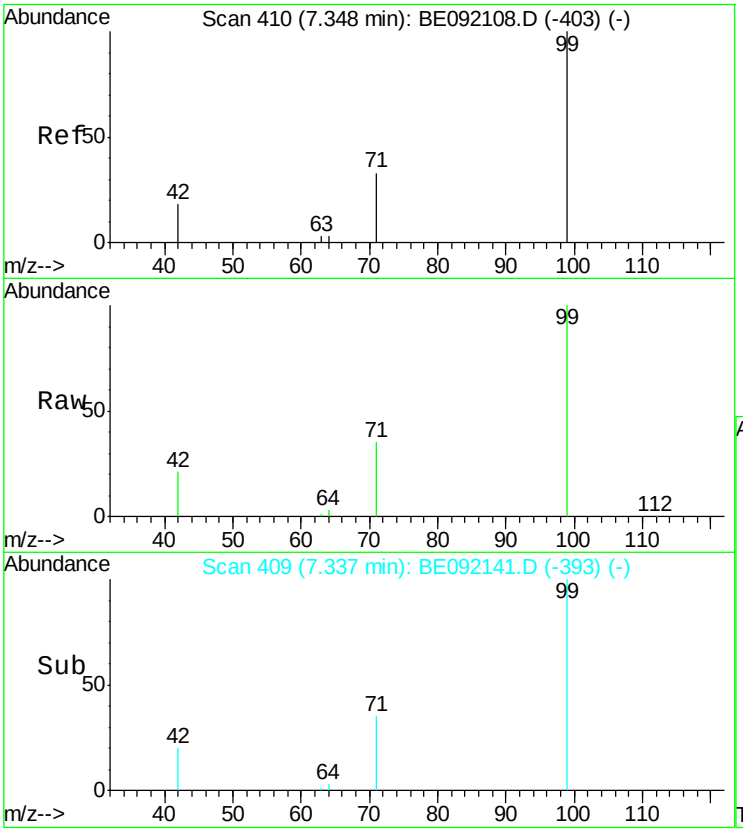


#4
2-Fluorophenol
Concen: 6.37 ng
RT: 5.69 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:112 Resp: 28131

Ion	Ratio	Lower	Upper
112	100		
64	67.1	55.9	83.9
63	36.3	31.1	46.7



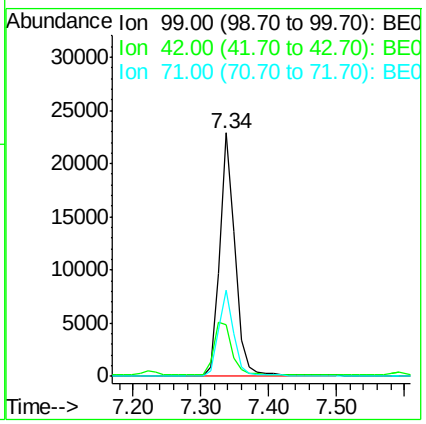


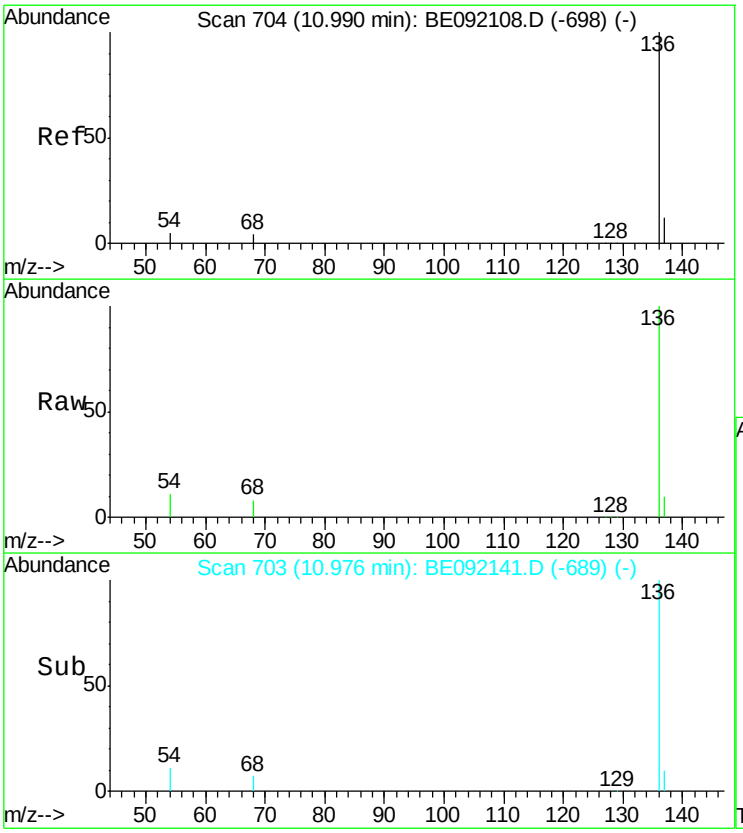
#5
Phenol-d6
Concen: 6.21 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion: 99 Resp: 36569

Ion	Ratio	Lower	Upper
99	100		
42	25.5	22.4	33.6
71	35.3	28.9	43.3

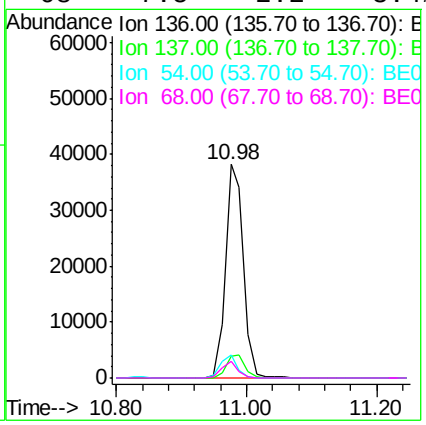


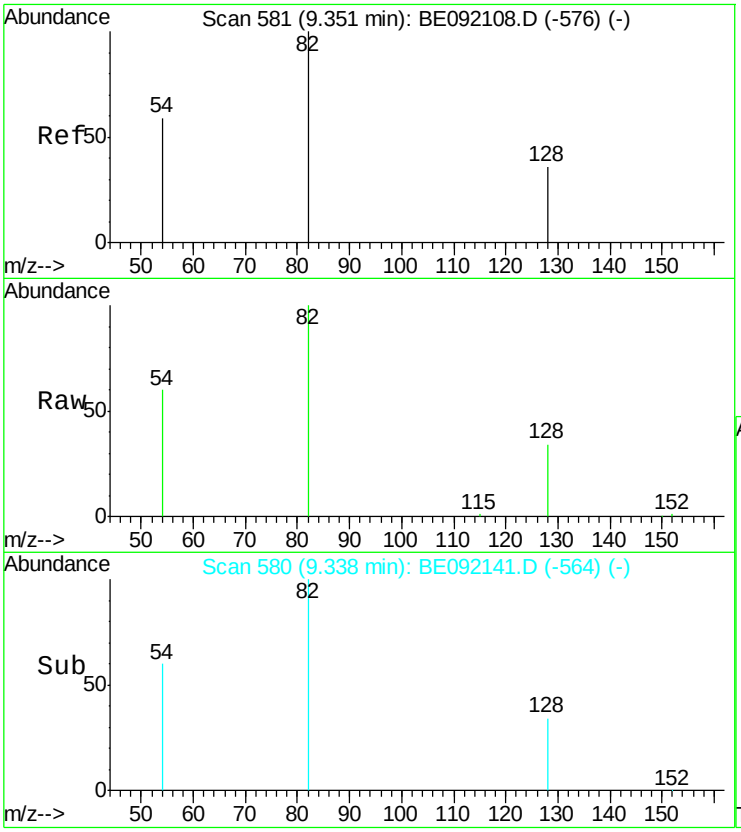


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:136 Resp: 73863

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.9	2.7	4.1#
68	7.5	2.2	3.4#



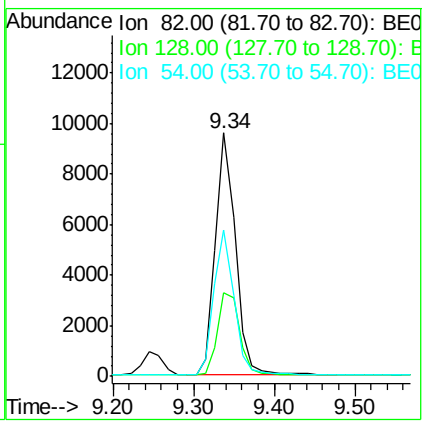


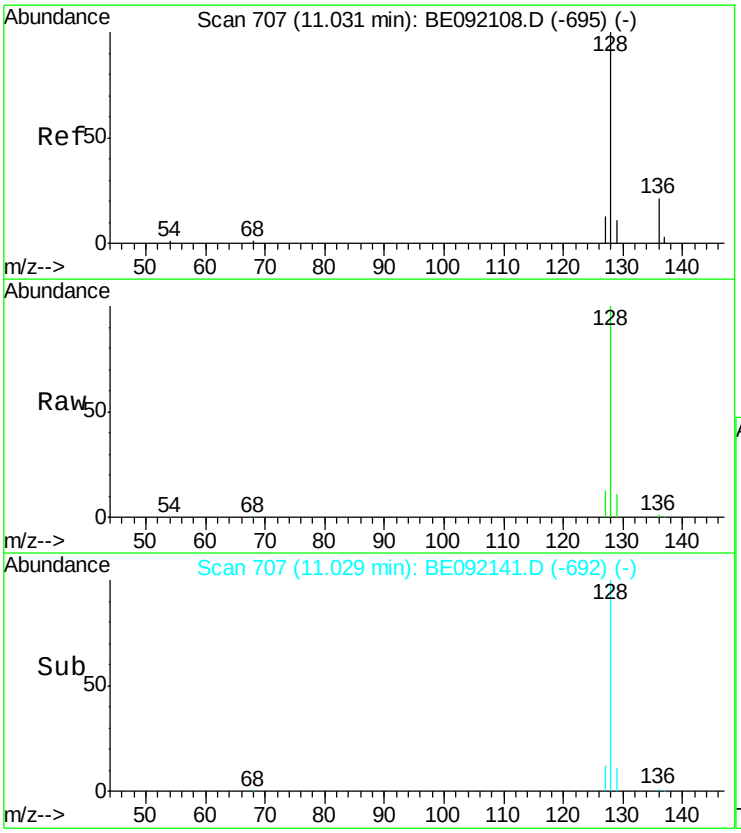
#7
Nitrobenzene-d5
Concen: 2.87 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion: 82 Resp: 16716

Ion	Ratio	Lower	Upper
82	100		
128	34.3	33.0	49.4
54	60.1	42.6	63.8

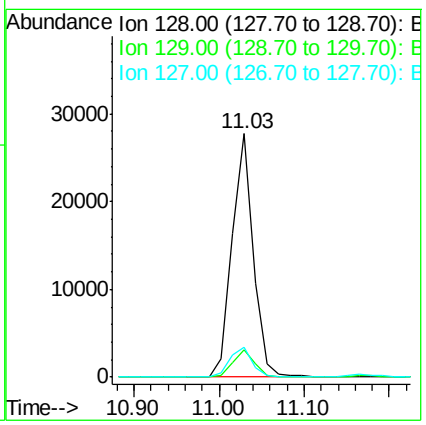


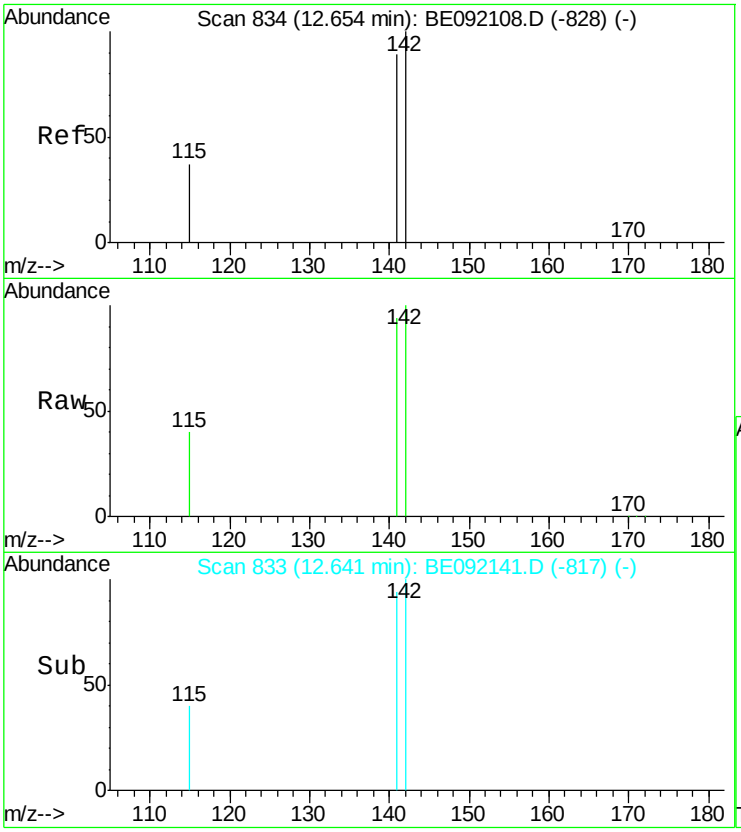


#8
Naphthalene
Concen: 3.00 ng
RT: 11.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:128 Resp: 47569

Ion	Ratio	Lower	Upper
128	100		
129	11.3	11.1	16.7
127	12.5	11.3	16.9



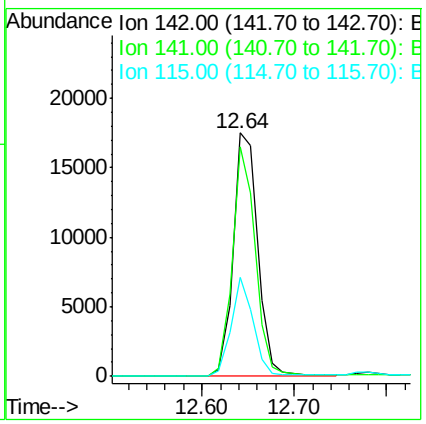


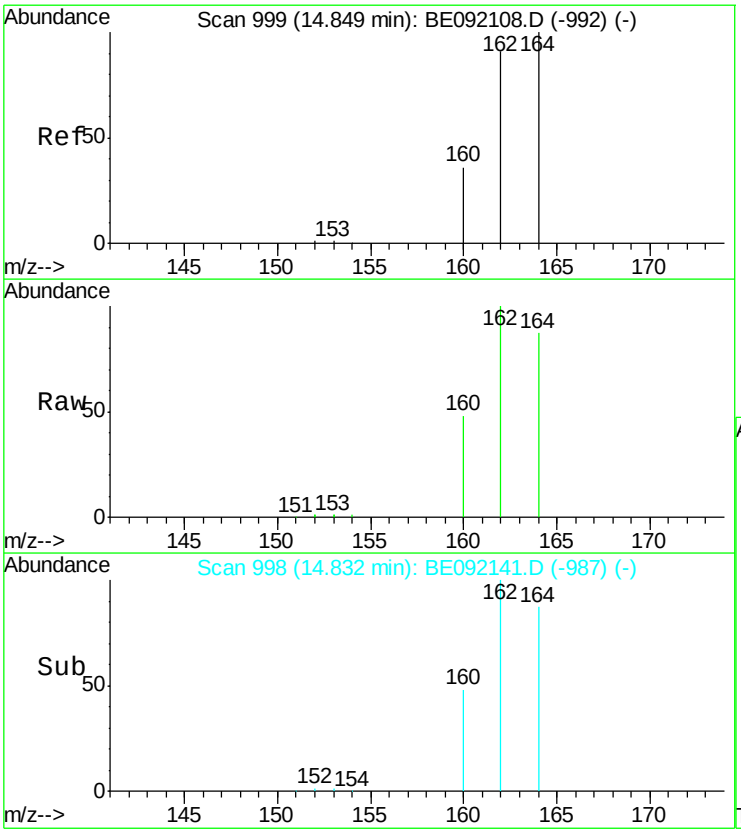
#9
2-Methylnaphthalene
Concen: 3.07 ng
RT: 12.64 min Scan# 833
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:142 Resp: 32182

Ion	Ratio	Lower	Upper
142	100		
141	94.4	65.1	97.7
115	40.5	27.0	40.4#

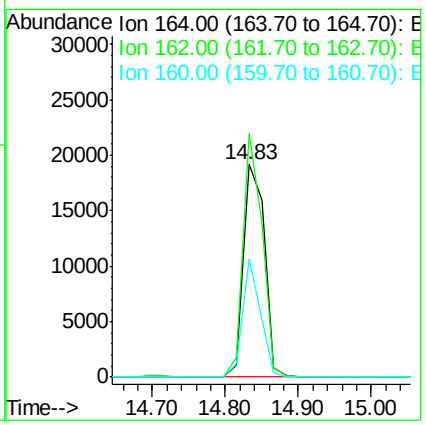


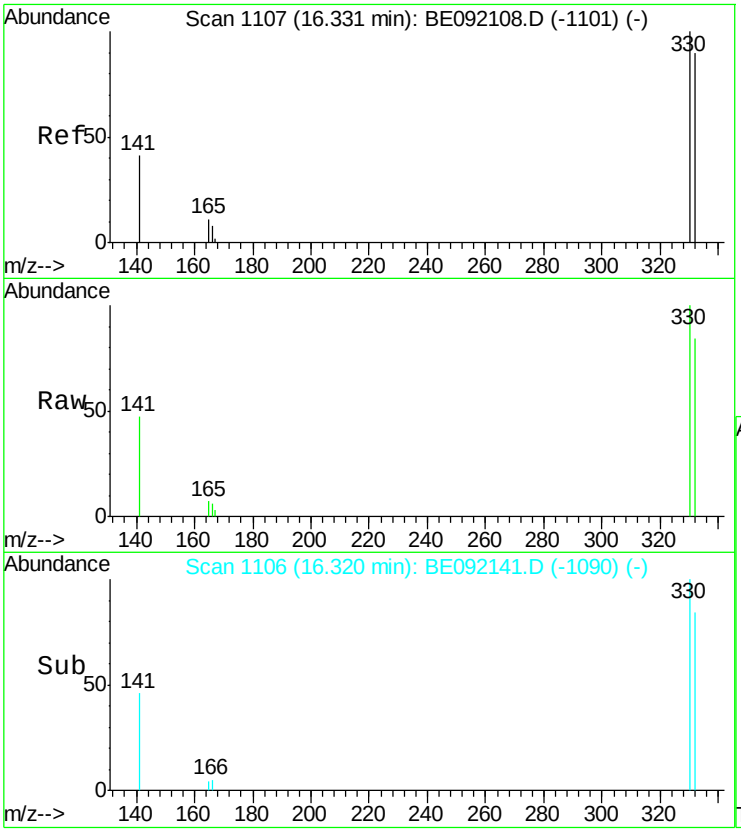


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:164 Resp: 37811

Ion	Ratio	Lower	Upper
164	100		
162	114.6	69.5	104.3#
160	55.6	27.6	41.4#



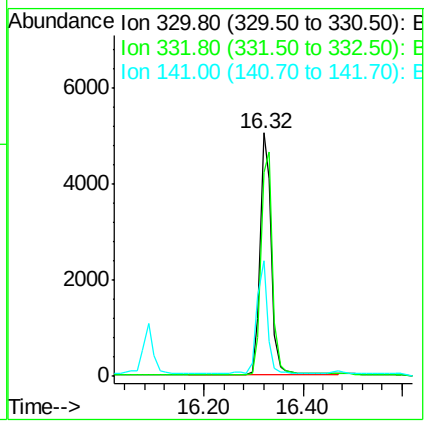


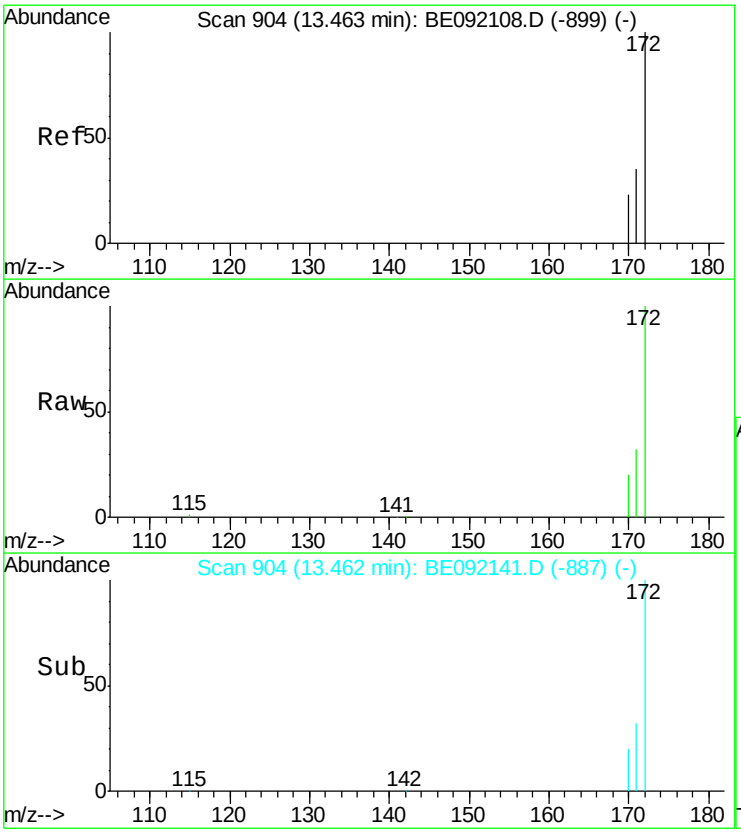
#11
2,4,6-Tribromophenol
Concen: 6.52 ng
RT: 16.32 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:330 Resp: 8004

Ion	Ratio	Lower	Upper
330	100		
332	96.6	74.2	111.4
141	44.9	139.8	209.8#

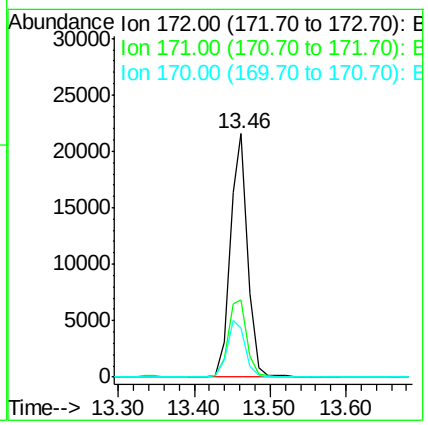


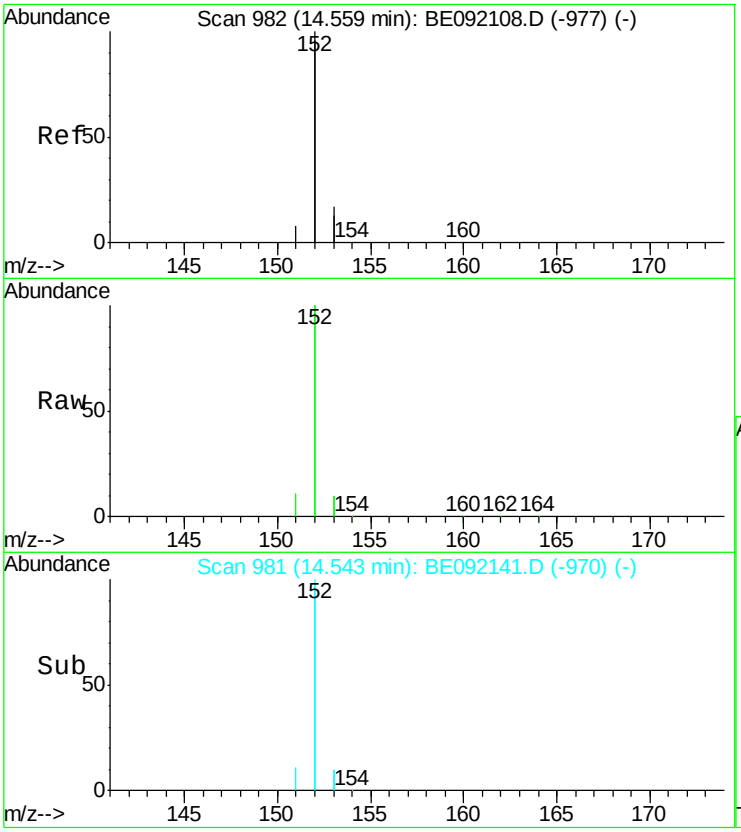


#12
2-Fluorobiphenyl
Concen: 2.88 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:172 Resp: 34462

Ion	Ratio	Lower	Upper
172	100		
171	32.0	30.3	45.5
170	20.0	21.6	32.4#



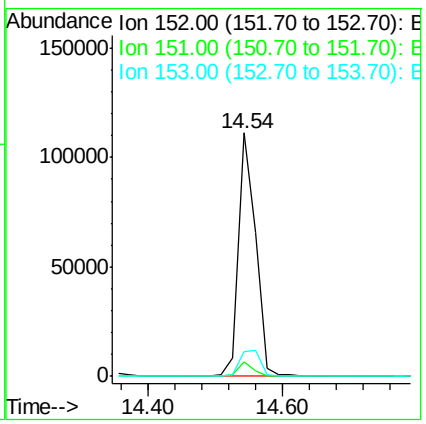


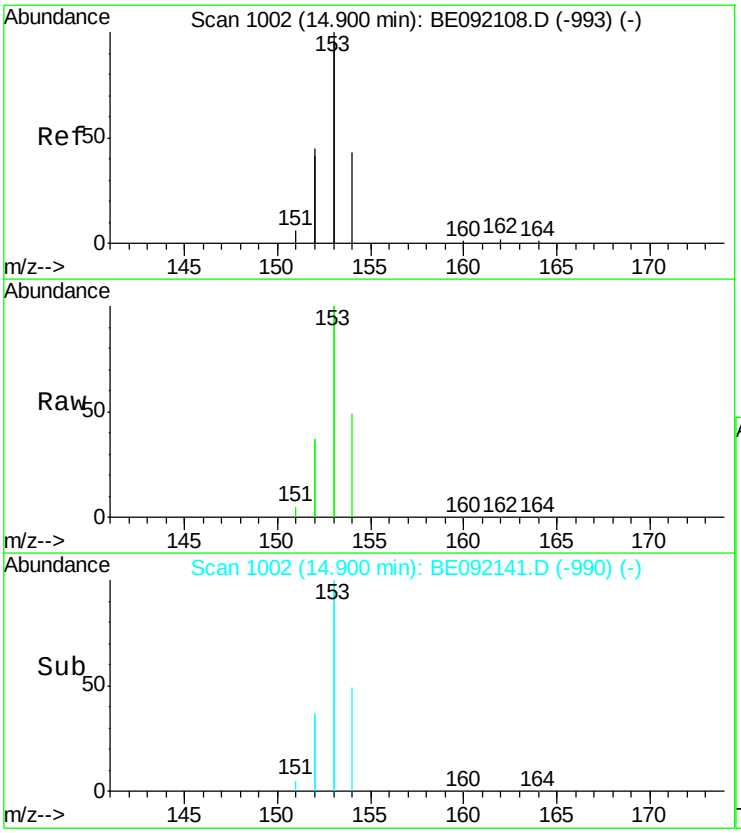
#13
Acenaphthylene
Concen: 2.91 ng
RT: 14.54 min Scan# 981
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:152 Resp: 194012

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	12.9	9.6	14.4

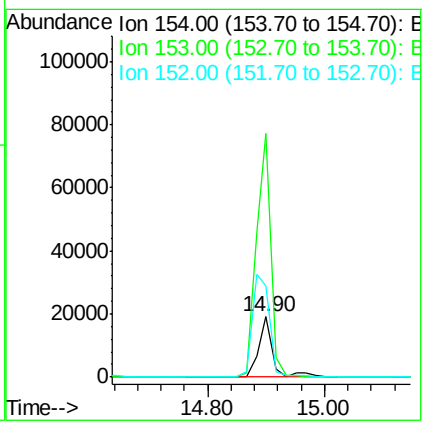


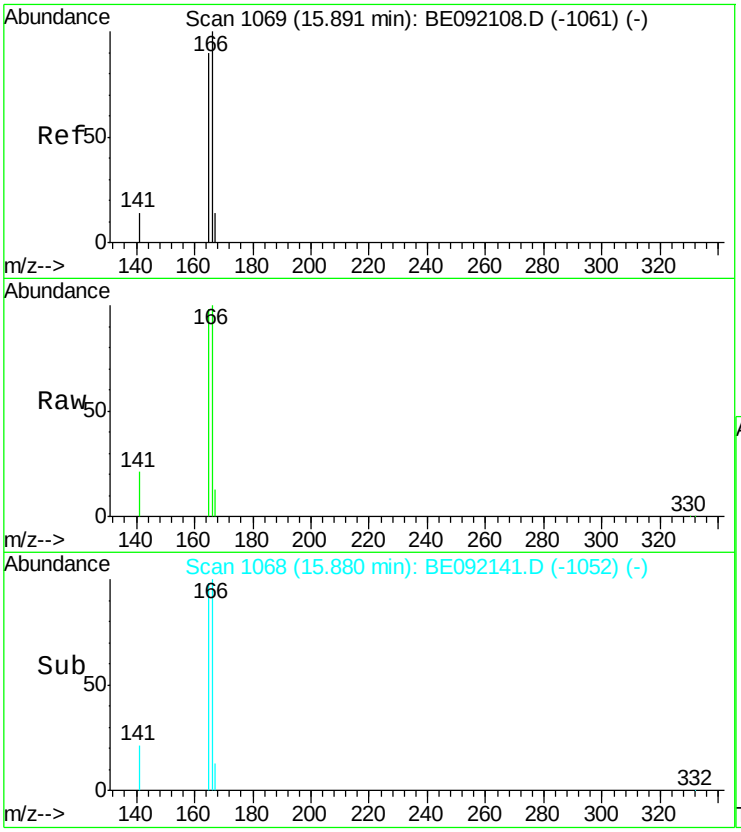


#14
Acenaphthene
Concen: 3.02 ng
RT: 14.90 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:154 Resp: 32057

Ion	Ratio	Lower	Upper
154	100		
153	417.2	345.1	517.7
152	204.5	0.0	0.0#



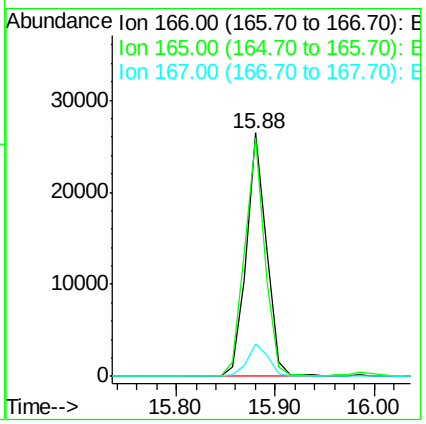


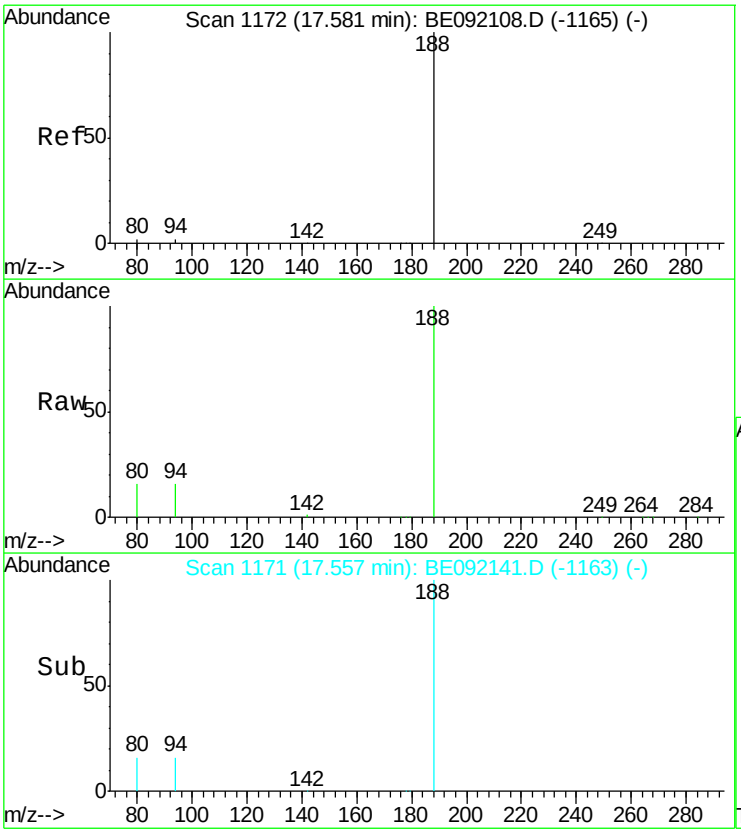
#15
Fluorene
Concen: 2.74 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:166 Resp: 36997

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	118.0
167	13.5	11.1	16.7

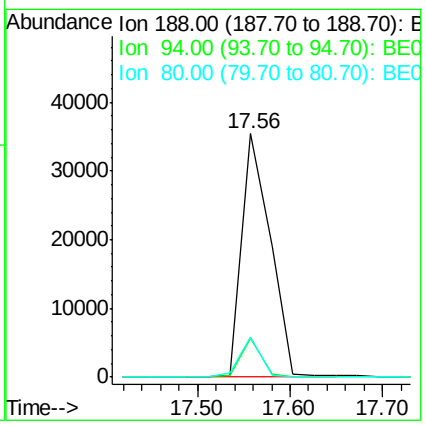


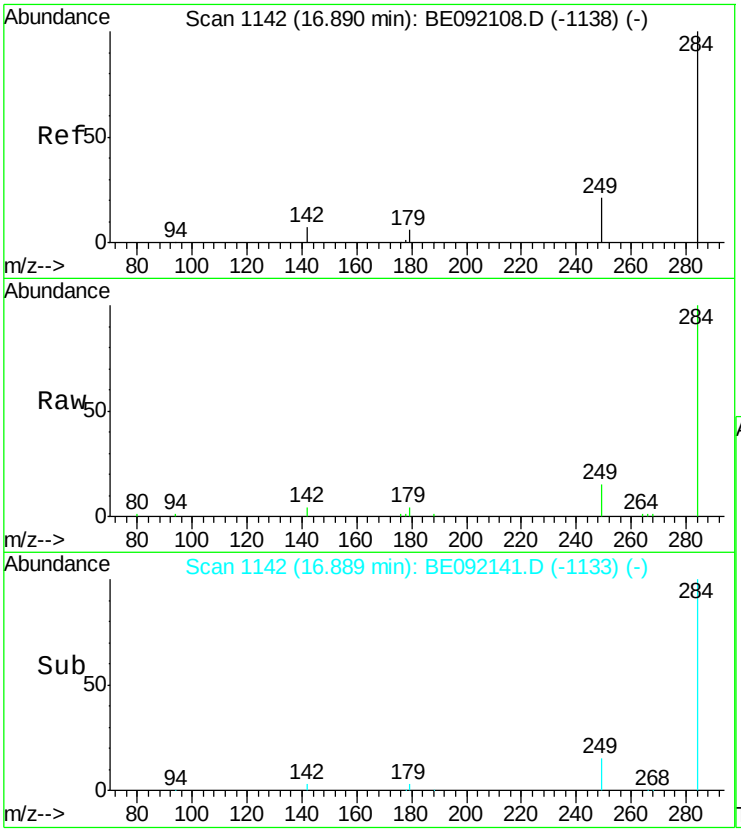


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:188 Resp: 76344

Ion	Ratio	Lower	Upper
188	100		
94	15.9	3.9	5.9#
80	16.4	3.4	5.0#



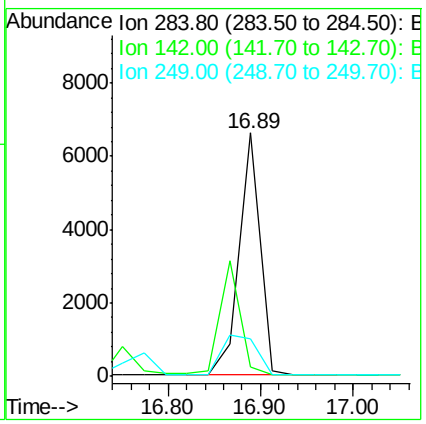


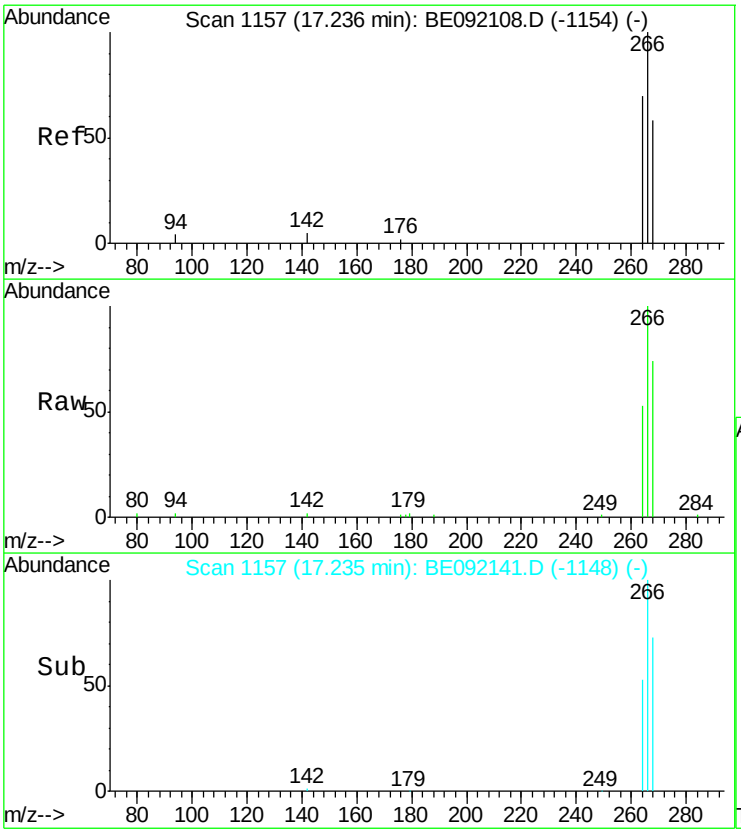
#17
Hexachlorobenzene
Concen: 2.80 ng
RT: 16.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:284 Resp: 10472

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

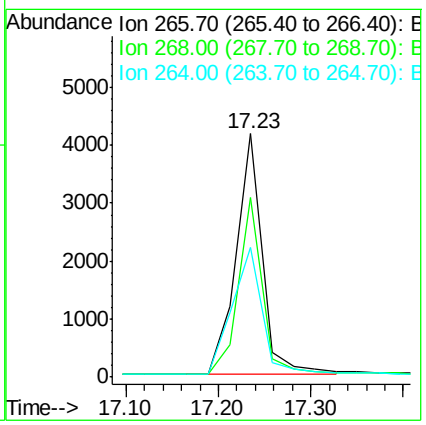


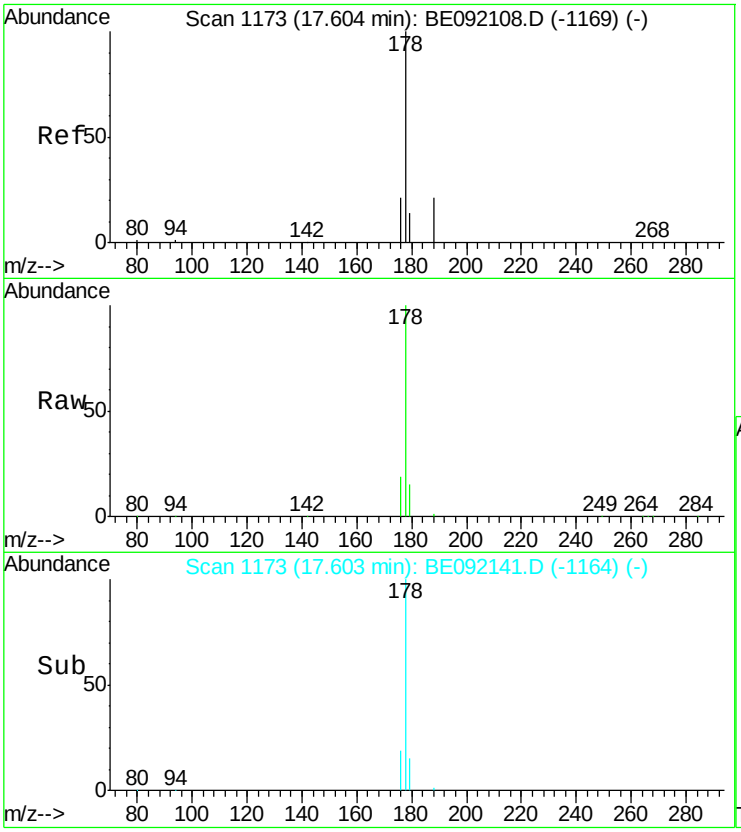


#18
Pentachlorophenol
Concen: 5.96 ng
RT: 17.23 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:266 Resp: 8305

Ion	Ratio	Lower	Upper
266	100		
268	73.6	62.7	94.1
264	53.3	63.5	95.3#



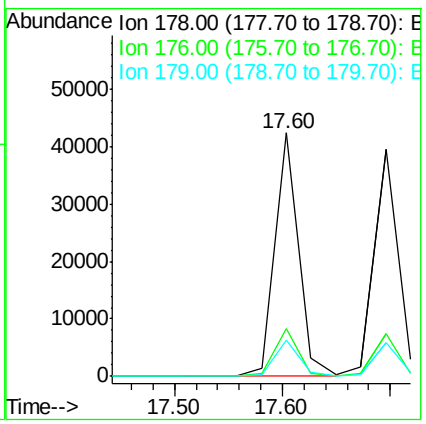


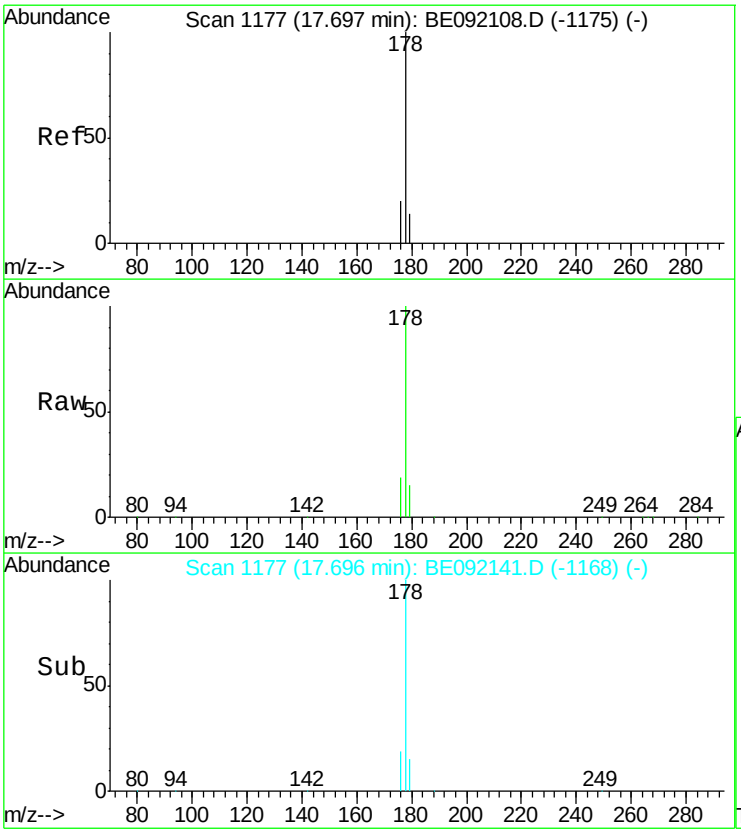
#19
Phenanthrene
Concen: 3.12 ng
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:178 Resp: 64981

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.2	12.7	19.1

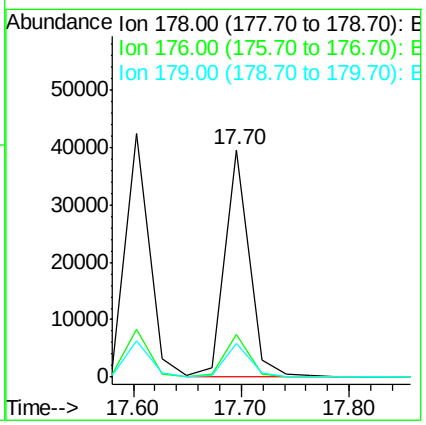


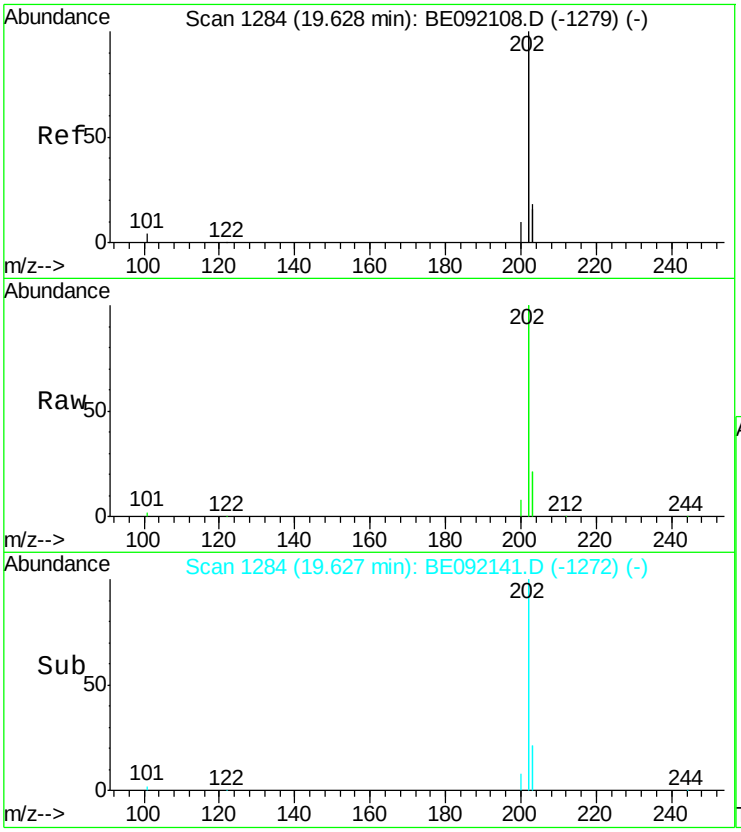


#20
Anthracene
Concen: 3.00 ng
RT: 17.70 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:178 Resp: 60949

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.2	12.2	18.4



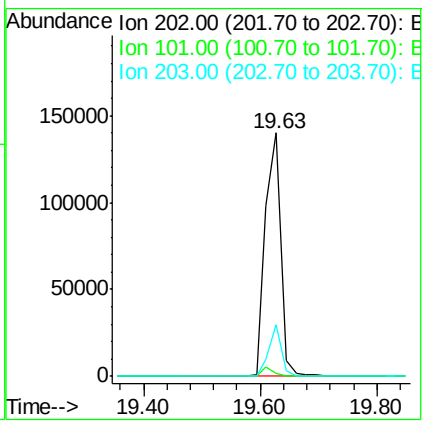


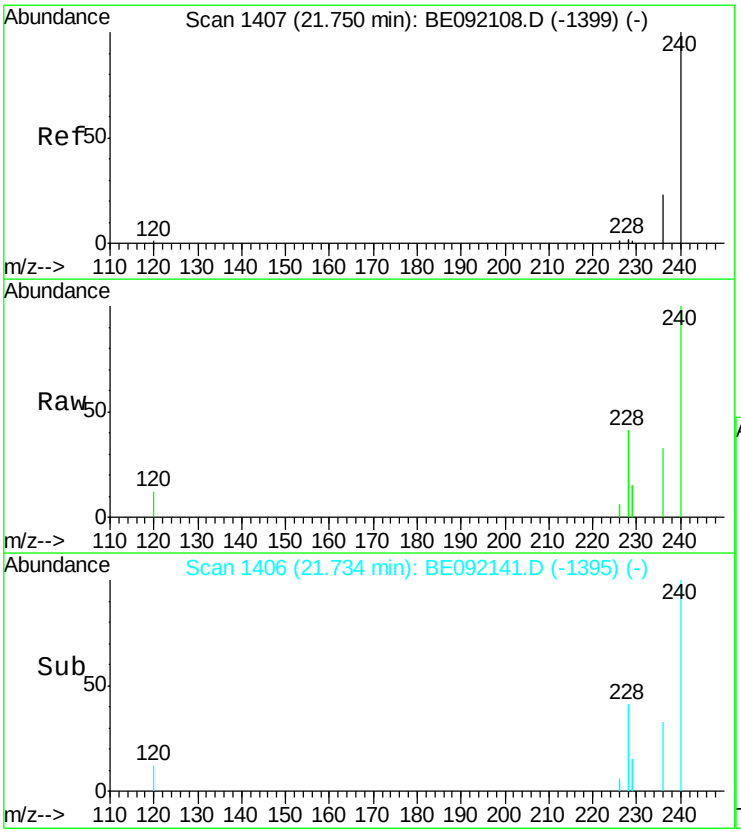
#21
Fluoranthene
Concen: 2.76 ng
RT: 19.63 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:202 Resp: 258186

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.2
203	17.5	13.0	19.4

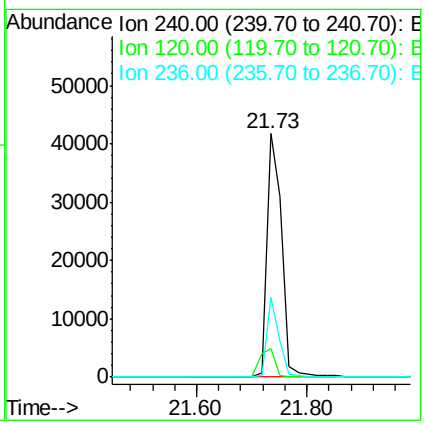


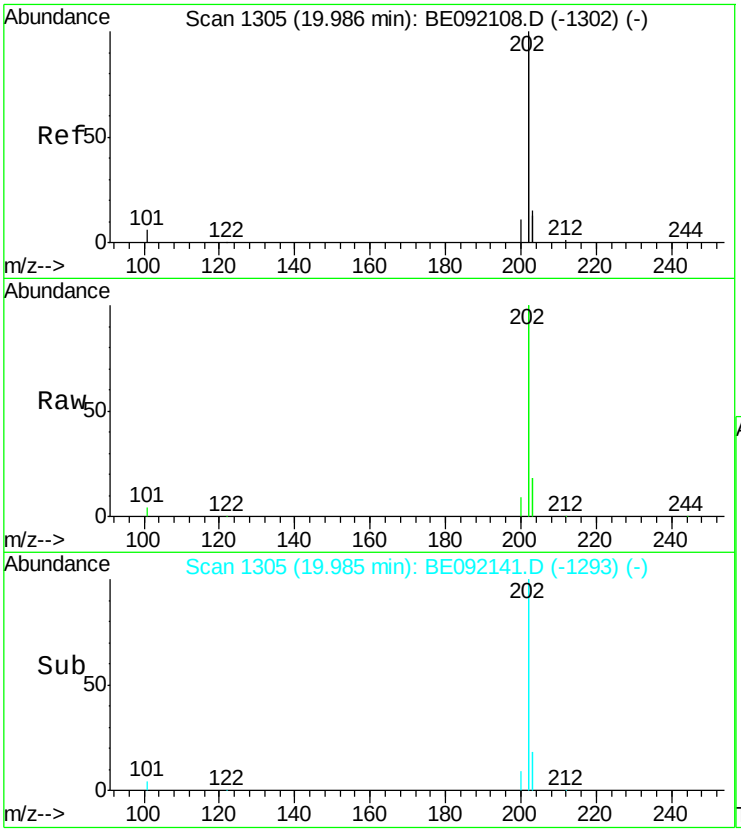


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:240 Resp: 77938

Ion	Ratio	Lower	Upper
240	100		
120	12.0	0.6	1.0#
236	32.9	18.2	27.4#



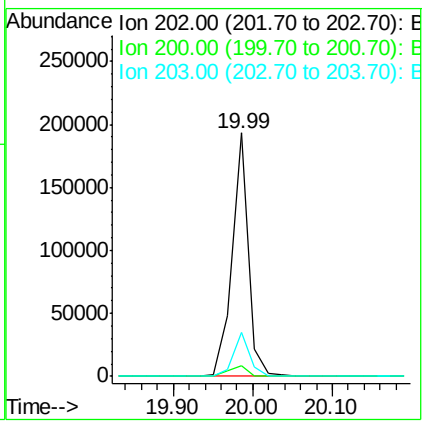


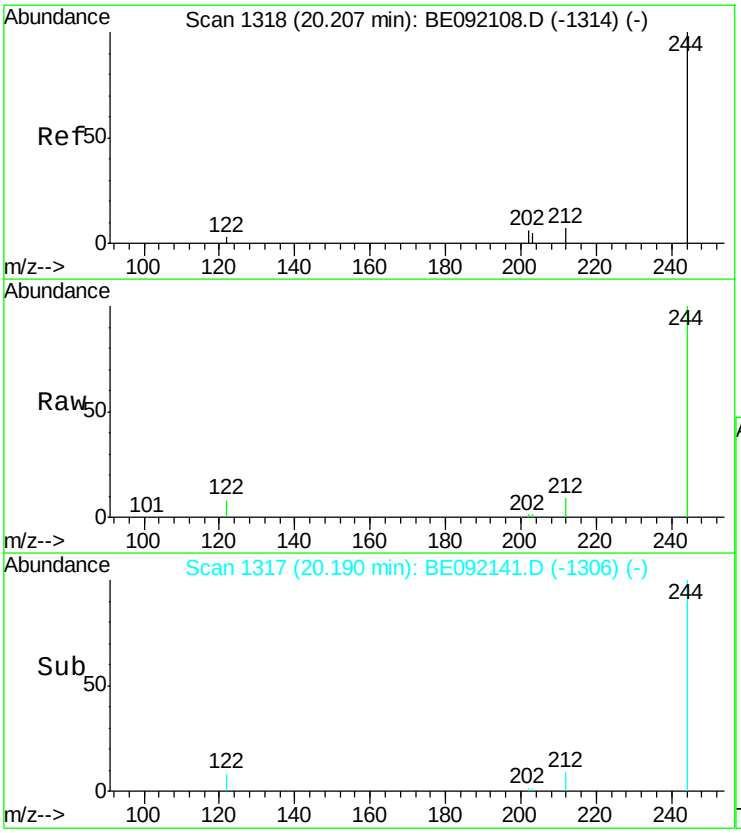
#23
Pyrene
Concen: 3.35 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:202 Resp: 273180

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

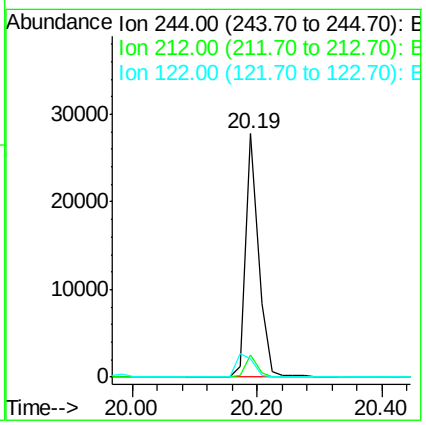


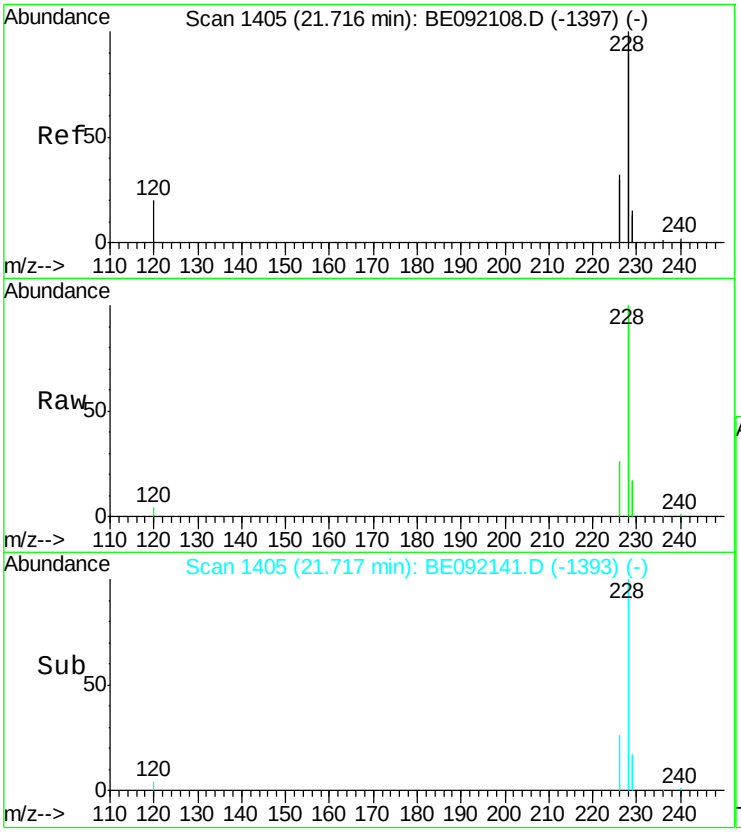


#24
Terphenyl-d14
Concen: 3.50 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:244 Resp: 39141

Ion	Ratio	Lower	Upper
244	100		
212	9.0	9.1	13.7#
122	7.7	11.0	16.4#



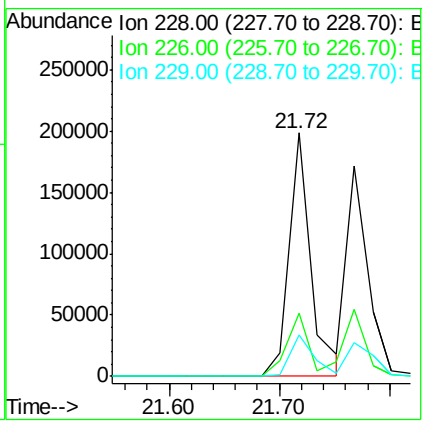


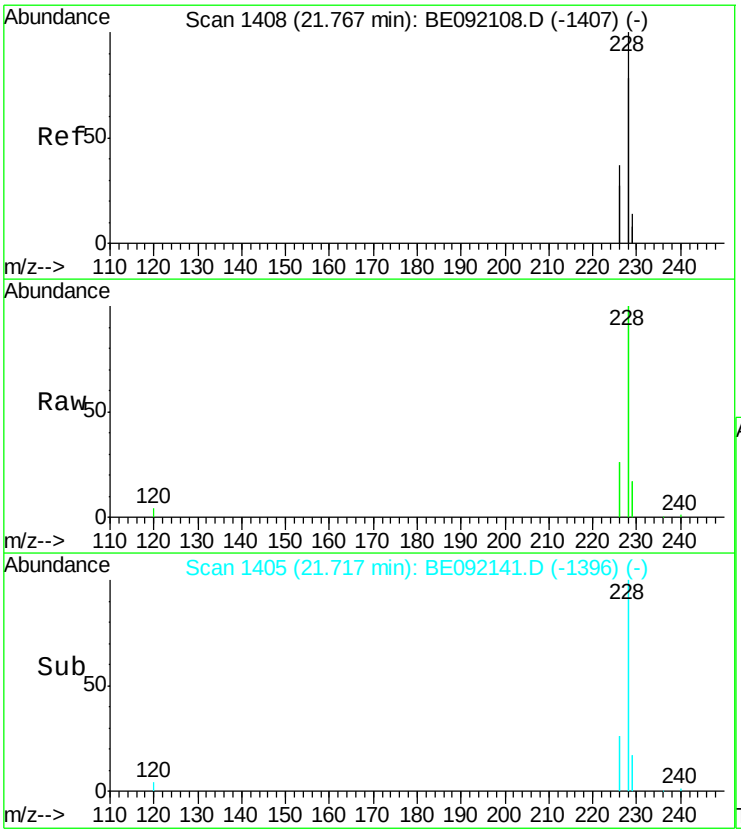
#25
Benzo(a)anthracene
Concen: 3.19 ng
RT: 21.72 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:228 Resp: 272925

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.1	33.1
229	17.1	15.1	22.7

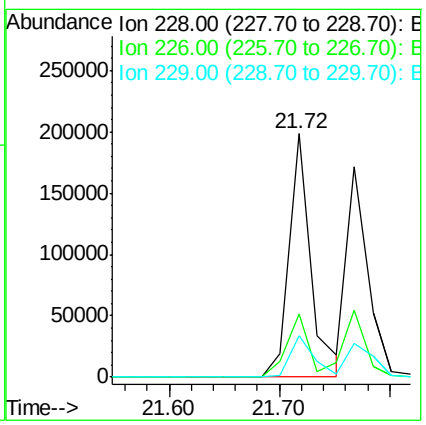


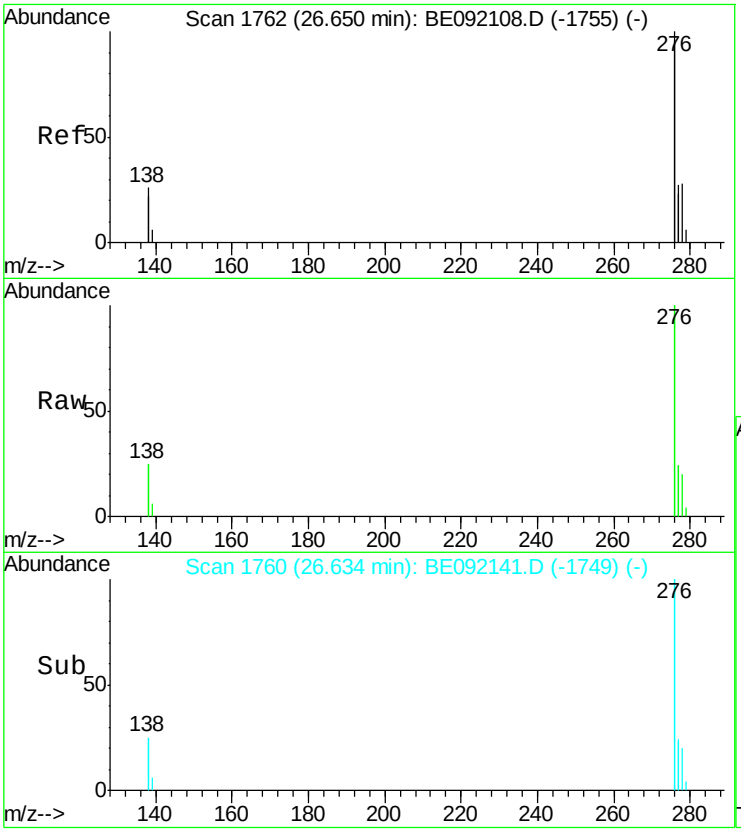


#26
Chrysene
Concen: 3.18 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.05 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:228 Resp: 272925

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.3	33.5
229	17.1	16.9	25.3



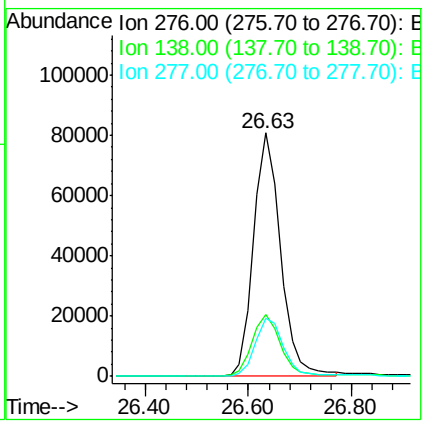


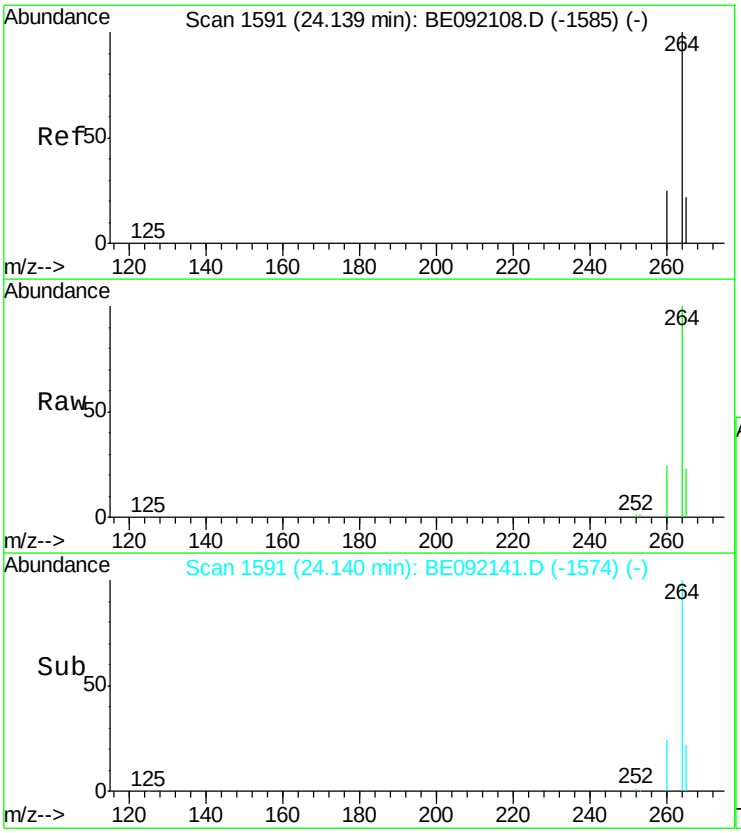
#27
Indeno(1,2,3-cd)pyrene
Concen: 3.09 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:276 Resp: 288385

Ion	Ratio	Lower	Upper
276	100		
138	26.1	21.2	31.8
277	24.5	19.8	29.8

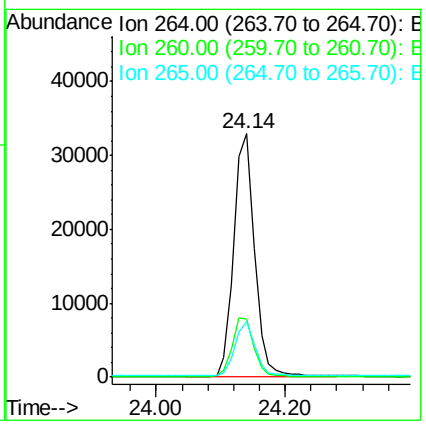


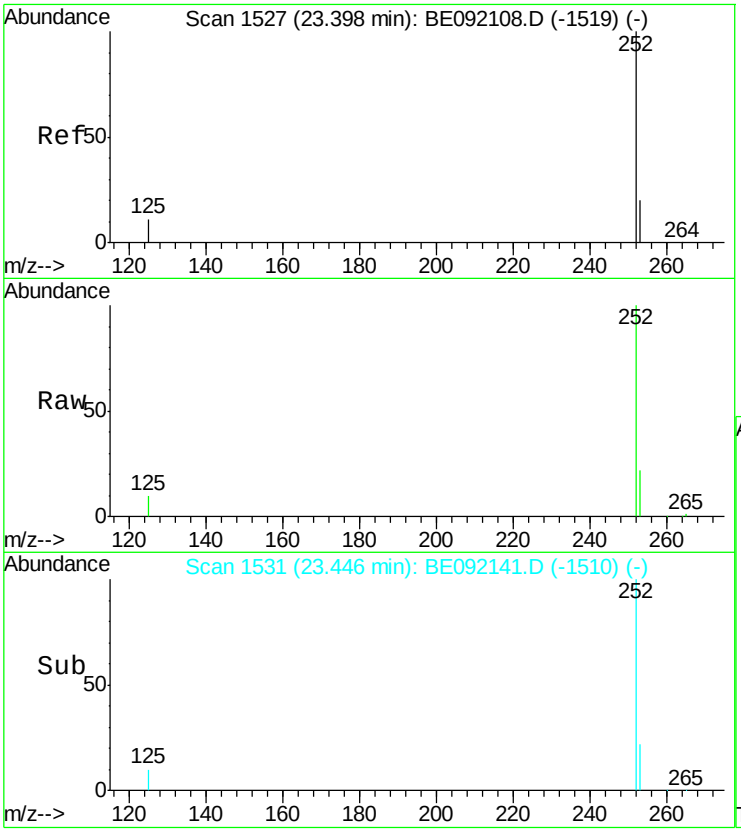


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:264 Resp: 73118

Ion	Ratio	Lower	Upper
264	100		
260	23.8	20.8	31.2
265	22.8	16.6	25.0



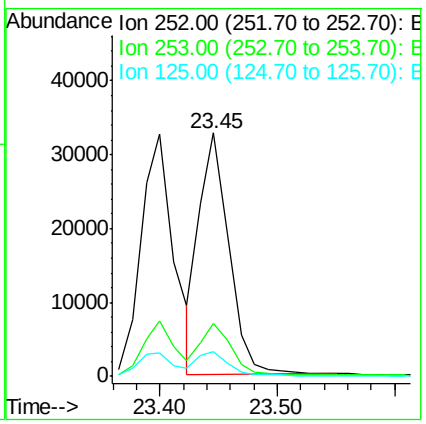


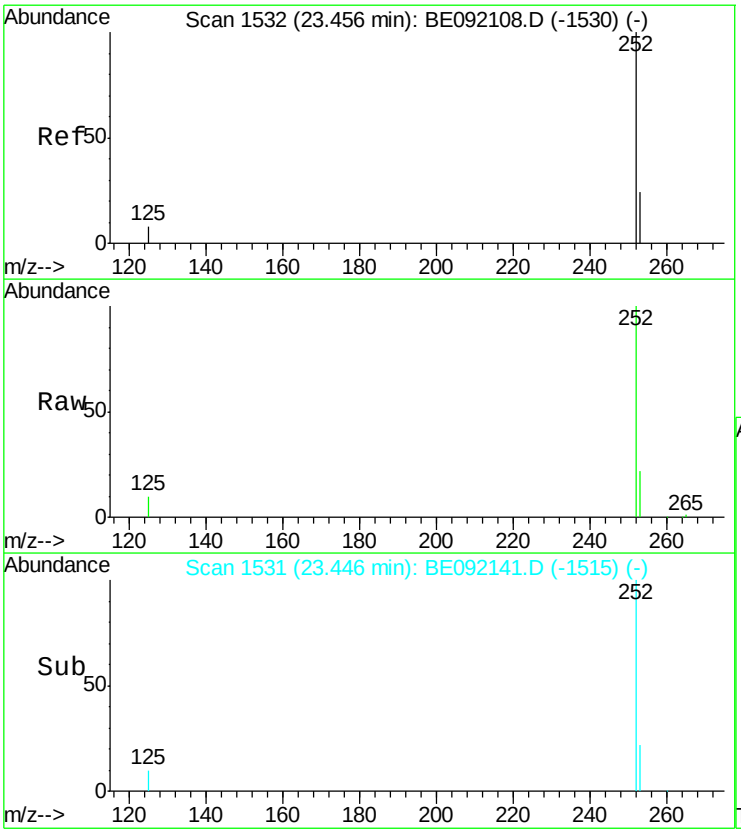
#29
Benzo(b)fluoranthene
Concen: 2.89 ng
RT: 23.45 min Scan# 1531
Delta R.T. 0.05 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:252 Resp: 57708

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

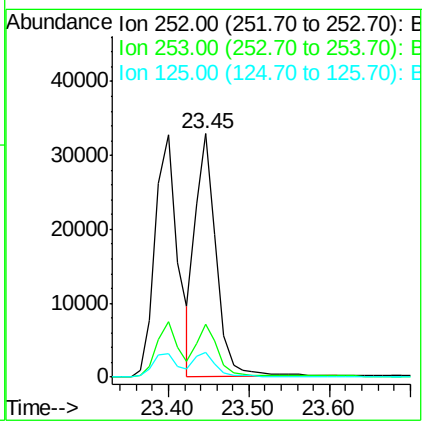


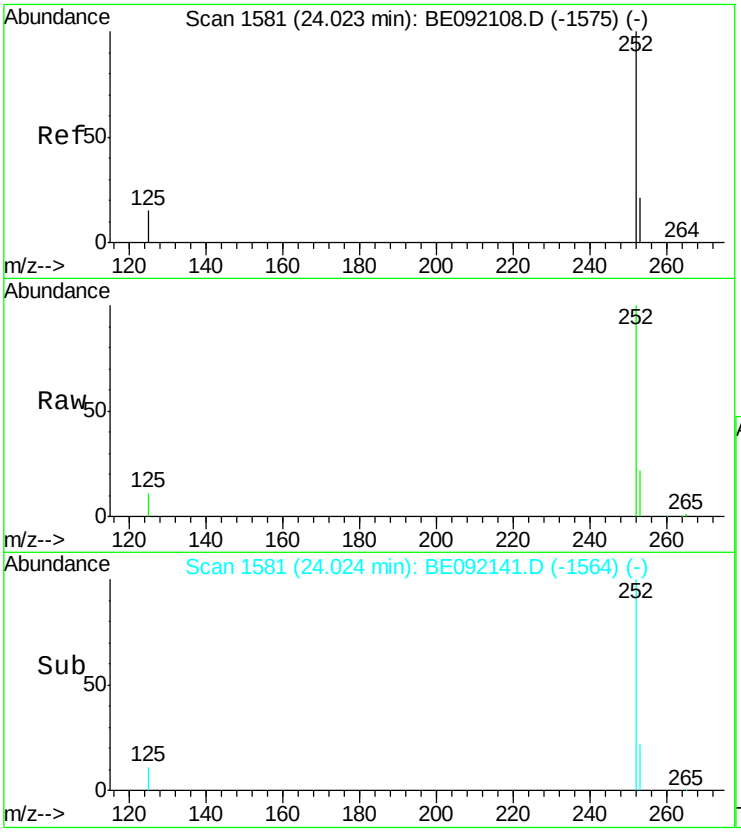


#30
Benzo(k)fluoranthene
Concen: 3.06 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:252 Resp: 58758

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



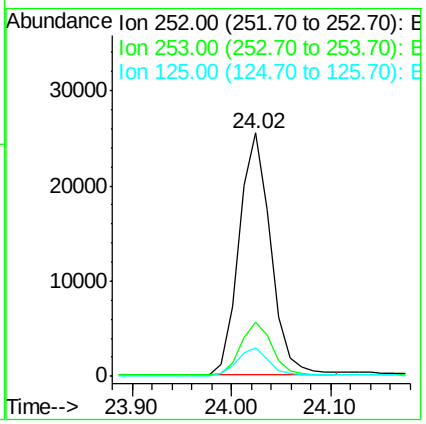


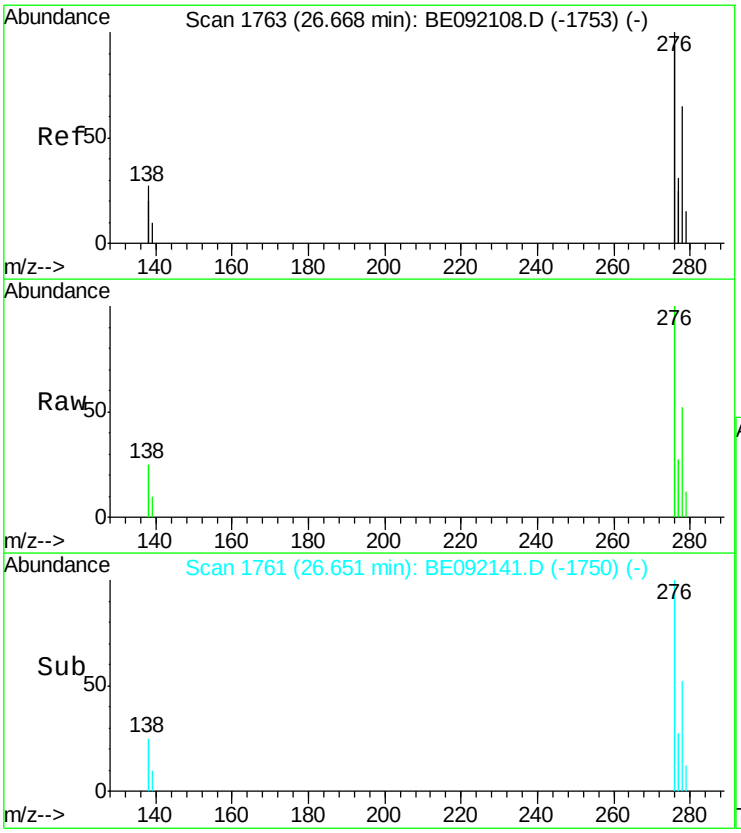
#31
Benzo(a)pyrene
Concen: 3.07 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:252 Resp: 56364

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

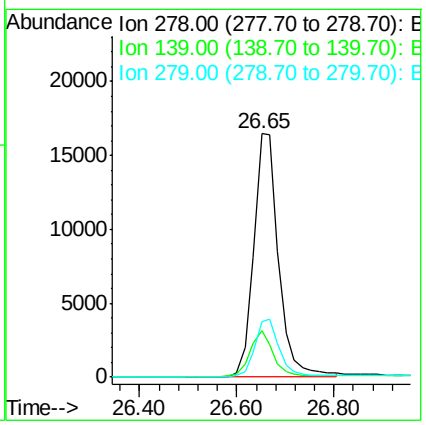


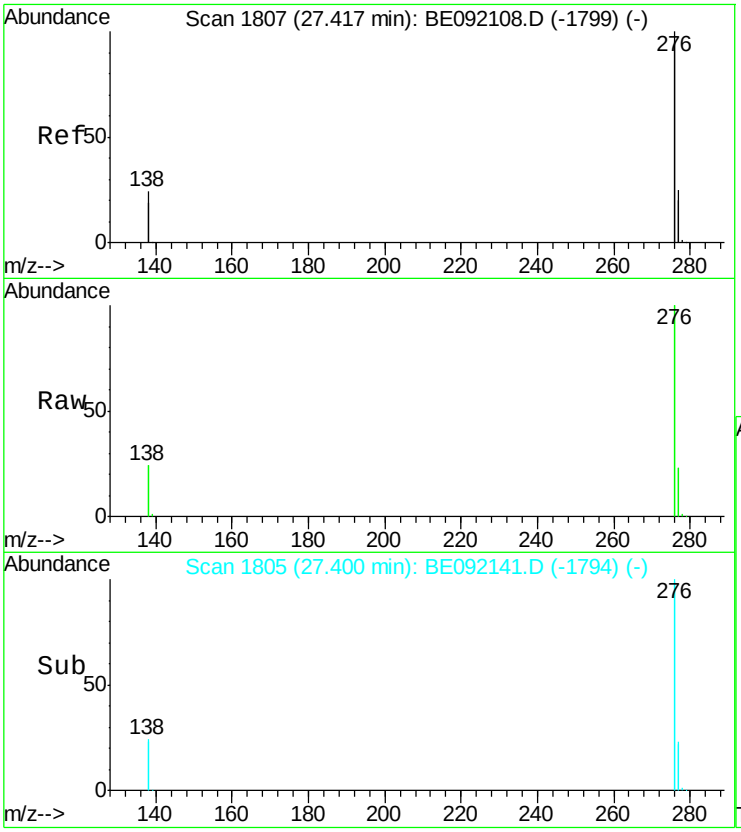


#32
Dibenzo(a,h)anthracene
Concen: 3.35 ng
RT: 26.65 min Scan# 1761
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Tgt Ion:278 Resp: 58705

Ion	Ratio	Lower	Upper
278	100		
139	19.3	16.7	25.1
279	22.7	20.3	30.5





#33
Benzo(g,h,i)perylene
Concen: 3.36 ng
RT: 27.40 min Scan# 1805
Delta R.T. -0.02 min
Lab File: BE092141.D
Acq: 3 Aug 2016 9:59

Instrument :
BNA_E
ClientSampleId :
PB92567BSD

Tgt Ion:276 Resp: 251795

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.5	29.3
138	24.0	20.8	31.2