Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042016\
Data File : BE091693.D
Acq On : 20 Apr 2016 20:11
Operator : UM/SJ
Sample : PB89886BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB89886BS

Quant Time: Apr 21 04:06:10 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 18:55:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	40981	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	204702	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	125038	5.00	ng		0.00
19) Phenanthrene-d10	17.15	188	296729	5.00	ng		0.00
26) Chrysene-d12	21.31	240	308117	5.00	ng		0.00
35) Perylene-d12	23.75	264	297990	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	65486	7.22	ng		-0.02
5) Phenol-d6	6.95	99	99669	8.13	ng		-0.02
8) Nitrobenzene-d5	8.96	82	45689	4.19	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	36235	9.17	ng		-0.01
15) 2-Fluorobiphenyl	13.04	172	133878	3.87	ng		-0.01
29) Terphenyl-d14	19.76	244	204162	4.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	15673	3.60	ng	#	90
3) n-Nitrosodimethylamine	3.64	42	24146	4.10	ng		93
6) bis(2-Chloroethyl)ether	7.23	93	44071	4.00	ng	#	76
9) Nitrobenzene	8.99	77	49240	4.50	ng		93
10) Naphthalene	10.63	128	154577	3.70	ng		97
11) Hexachlorobutadiene	10.92	225	23864	4.00	ng		97
12) 2-Methylnaphthalene	12.24	142	111144	4.15	ng		91
16) Acenaphthylene	14.14	152	195387	3.91	ng	#	86
17) Acenaphthene	14.47	154	121974	3.96	ng		94
18) Fluorene	15.46	166	152115	3.99	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	41780	4.13	ng		97
21) Hexachlorobenzene	16.46	284	44306	4.07	ng		98
22) Pentachlorophenol	16.79	266	45471	7.21	ng		89
23) Phenanthrene	17.18	178	268783	4.03	ng		99
24) Anthracene	17.28	178	258510	4.35	ng		98
25) Fluoranthene	19.19	202	290577	4.41	ng		98
27) Benzidine	19.38	184	97390	4.03	ng	#	76
28) Pyrene	19.55	202	324633	4.56	ng		98
30) Benzo(a)anthracene	21.29	228	299384	4.00	ng		94
31) 3,3'-Dichlorobenzidine	21.22	252	65060	1.69	ng	#	83
32) Chrysene	21.29	228	299346	3.67	ng	#	90
33) Bis(2-ethylhexyl)phthalate	21.20	149	86226	4.36	ng	#	89
34) Indeno(1,2,3-cd)pyrene	26.30	276	305348	4.18	ng		97
36) Benzo(b)fluoranthene	23.05	252	274502	3.84	ng		97
37) Benzo(k)fluoranthene	23.05	252	279791	3.98	ng		98
38) Benzo(a)pyrene	23.63	252	265033	4.29	ng		97
39) Dibenzo(a,h)anthracene	26.33	278	258058	4.07	ng		96
40) Benzo(g,h,i)perylene	27.09	276	260007	4.00	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042016\
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Acq On : 20 Apr 2016 20:11
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Misc :
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Instrument :
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Quant Time: Apr 21 04:06:10 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 18:55:38 2016
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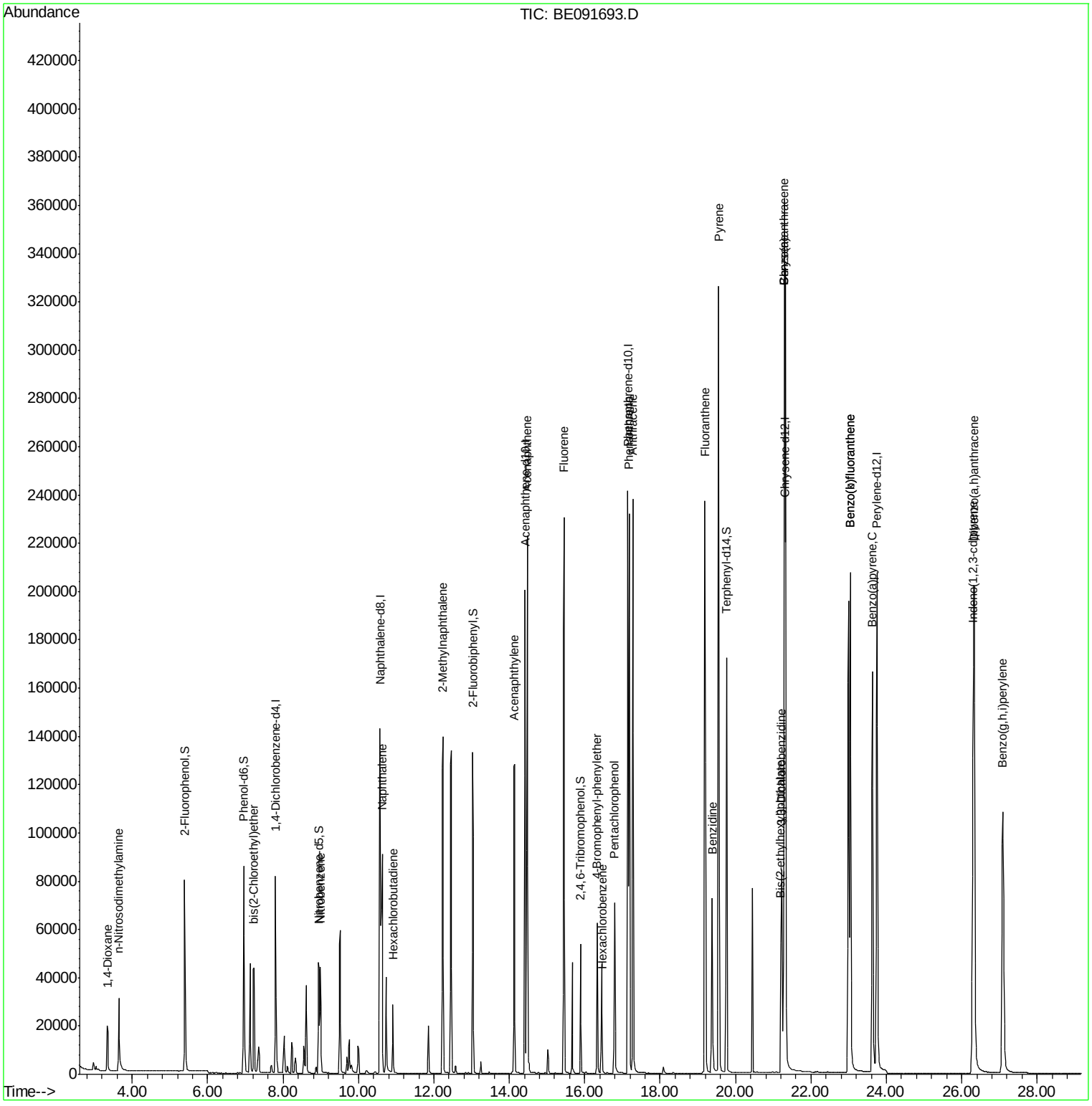
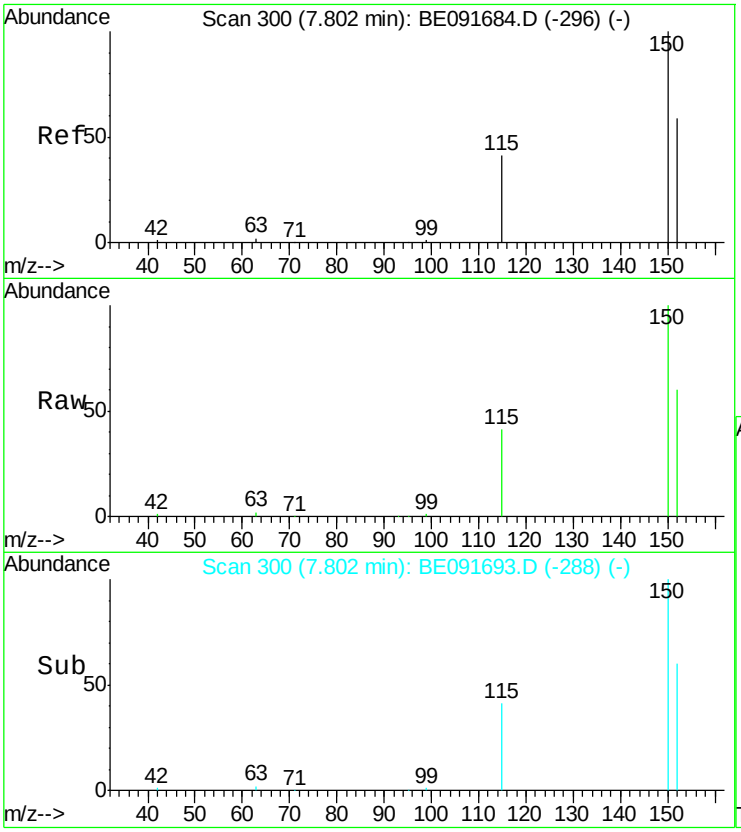


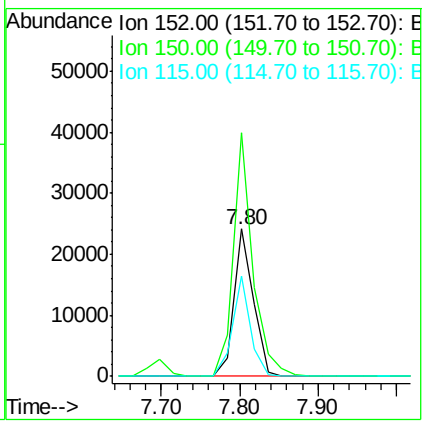


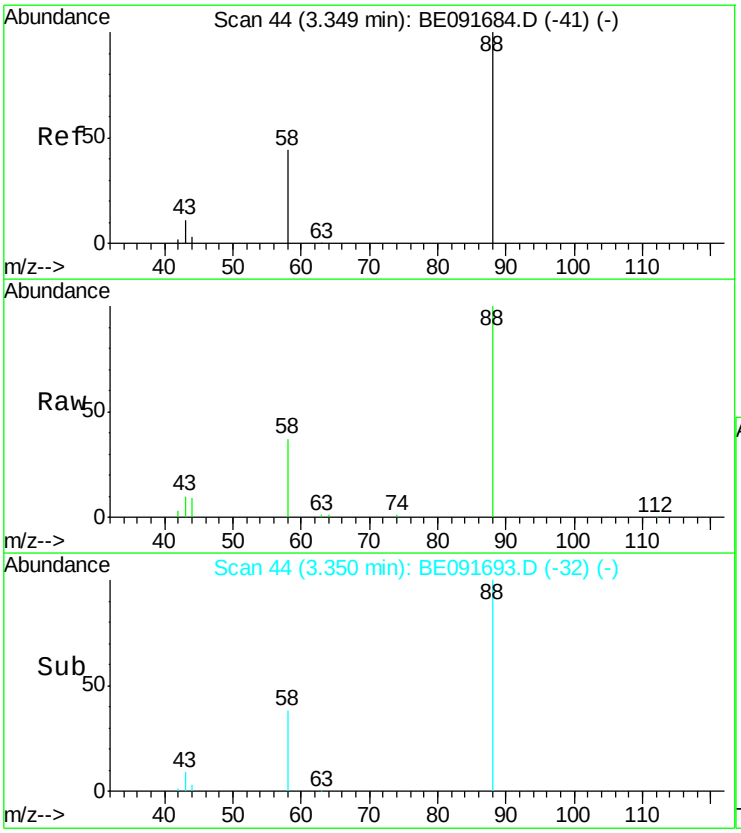
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:152 Resp: 40981

Ion	Ratio	Lower	Upper
152	100		
150	165.5	122.6	183.8
115	68.0	52.8	79.2

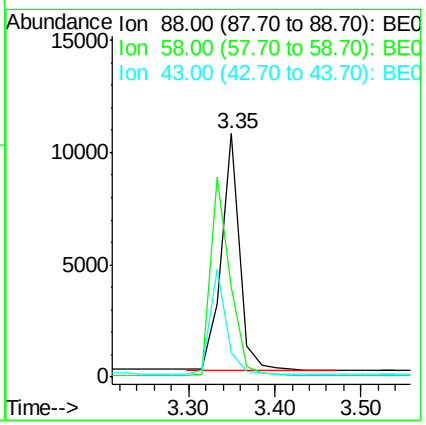


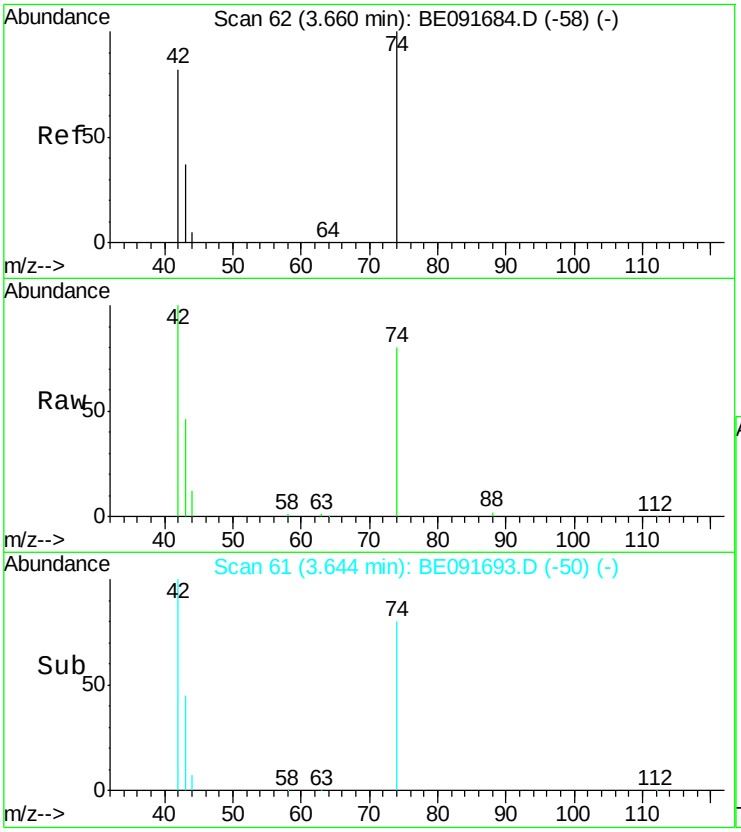


#2
1,4-Dioxane
Concen: 3.60 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion: 88 Resp: 15673

Ion	Ratio	Lower	Upper
88	100		
58	89.7	65.8	98.6
43	40.4	25.3	37.9#



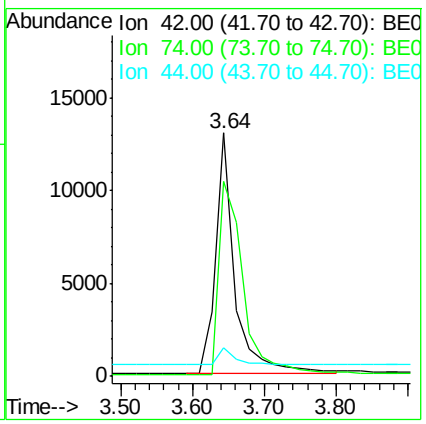


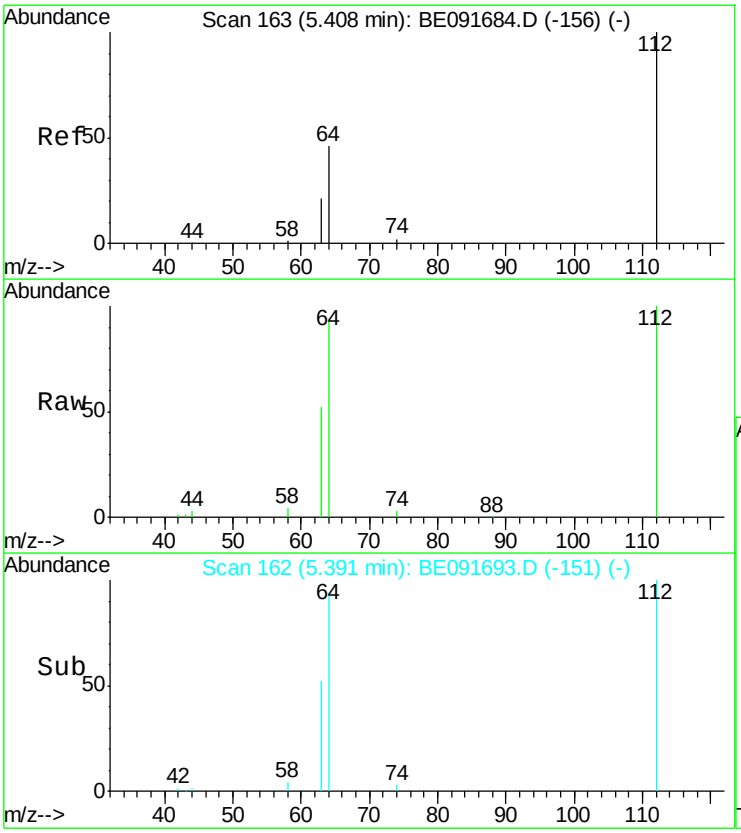
#3
n-Nitrosodimethylamine
Concen: 4.10 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion: 42 Resp: 24146

Ion	Ratio	Lower	Upper
42	100		
74	102.7	87.9	131.9
44	6.6	6.6	9.8

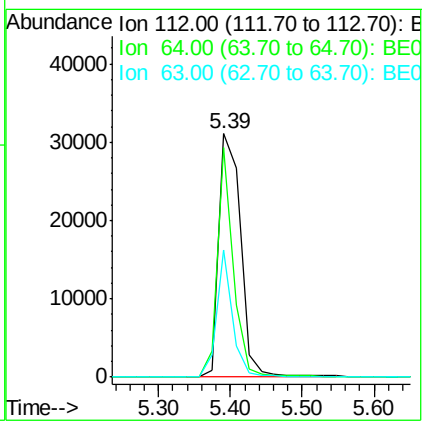


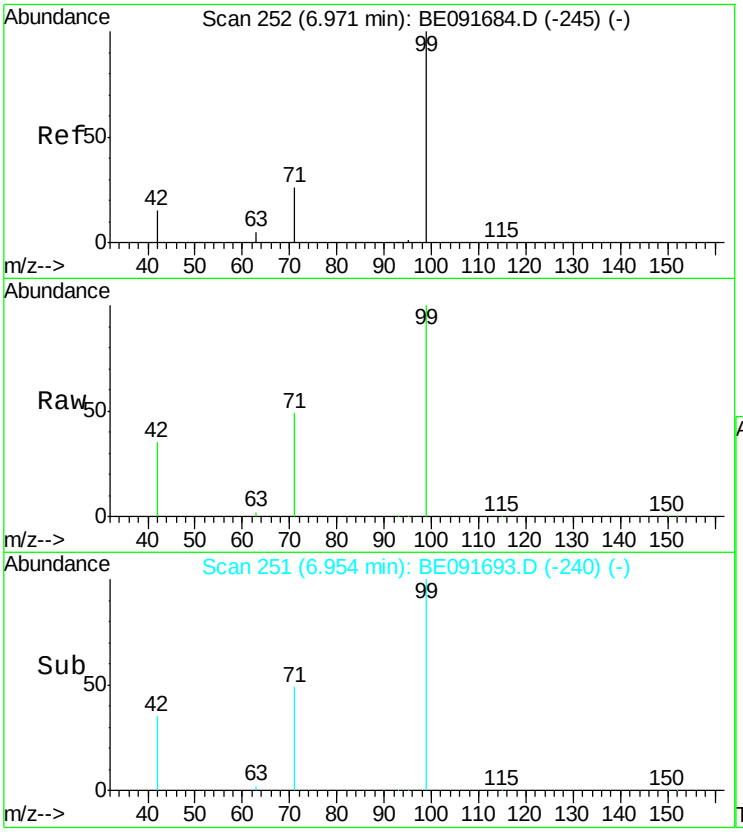


#4
2-Fluorophenol
Concen: 7.22 ng
RT: 5.39 min Scan# 162
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:112 Resp: 65486

Ion	Ratio	Lower	Upper
112	100		
64	69.0	30.9	46.3#
63	37.8	16.7	25.1#



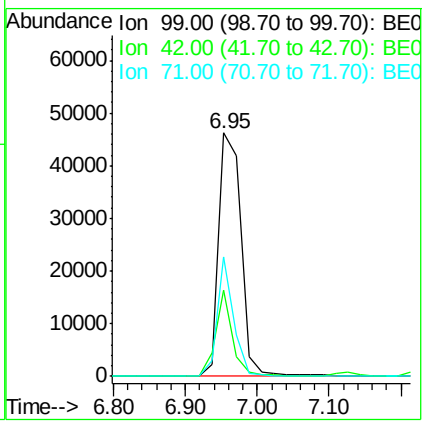


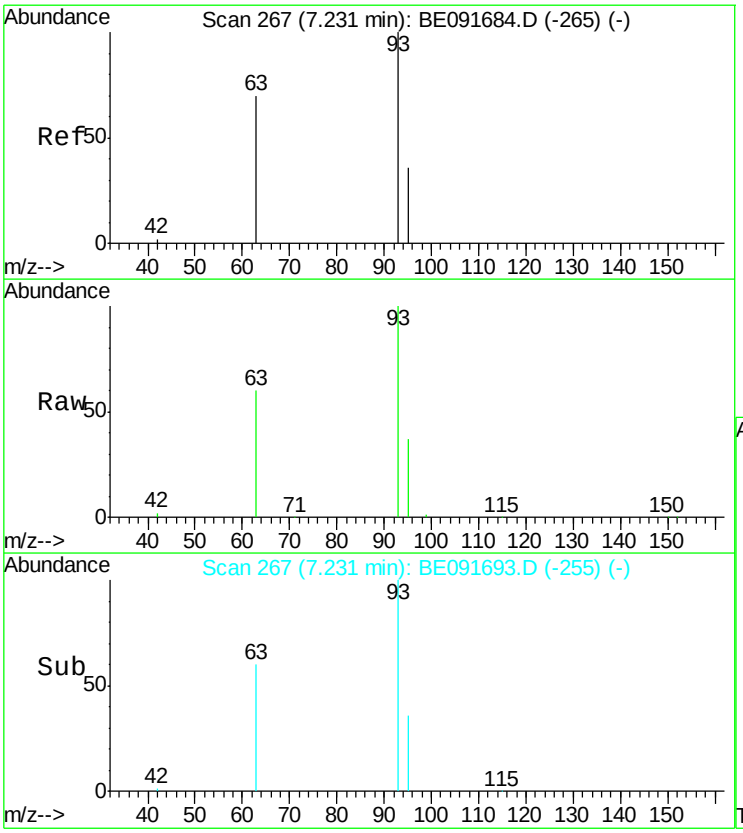
#5
Phenol-d6
Concen: 8.13 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion: 99 Resp: 99669

Ion	Ratio	Lower	Upper
99	100		
42	26.6	16.2	24.2#
71	36.3	29.0	43.4

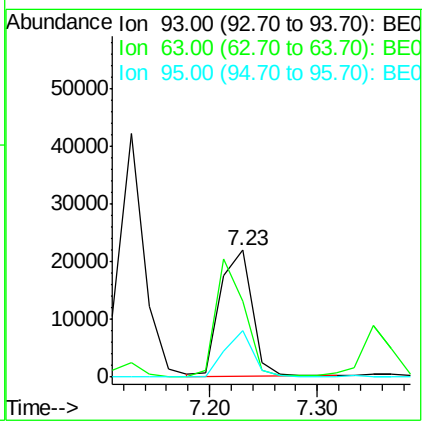


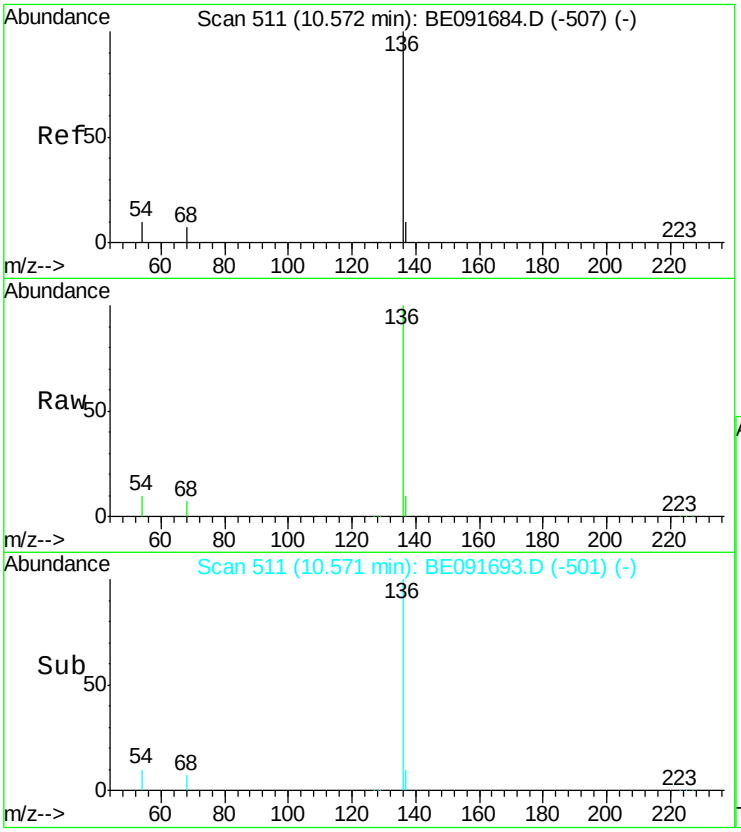


#6
bis(2-Chloroethyl)ether
Concen: 4.00 ng
RT: 7.23 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion: 93 Resp: 44071

Ion	Ratio	Lower	Upper
93	100		
63	85.3	49.5	74.3#
95	32.4	22.2	33.4



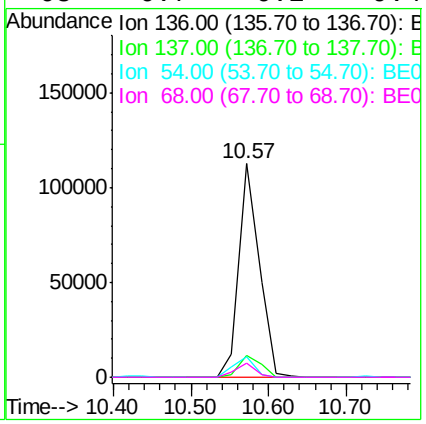


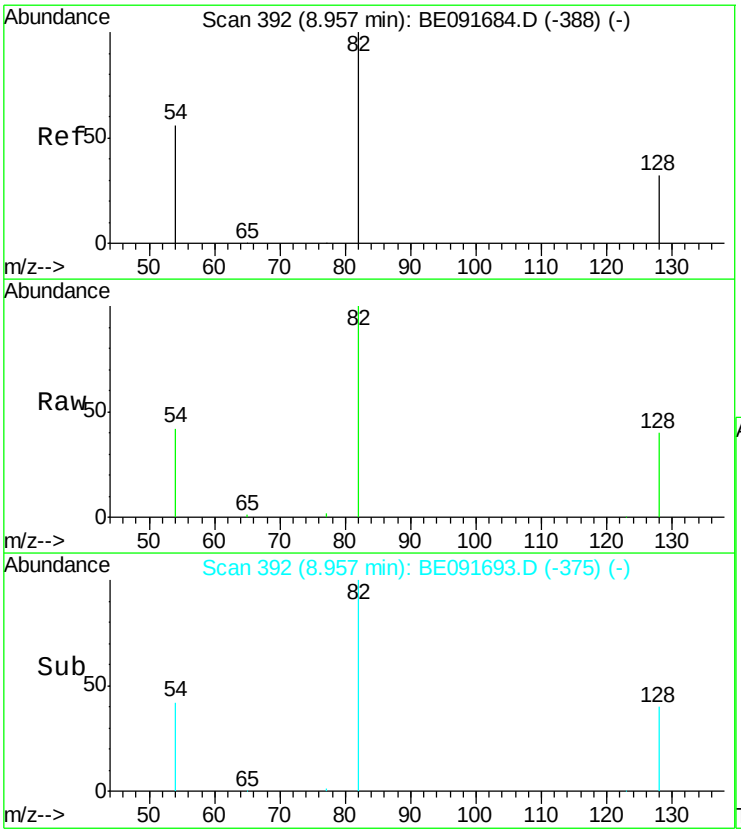
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:136 Resp: 204702

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	9.8	8.2	12.4
68	6.7	6.2	9.4

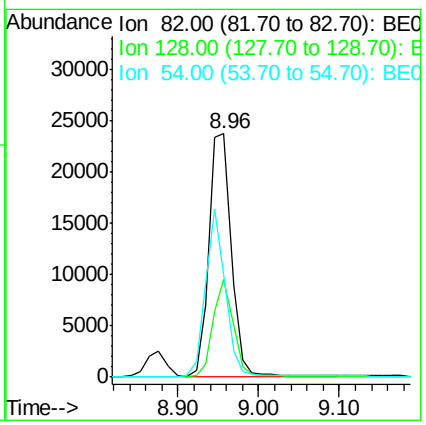


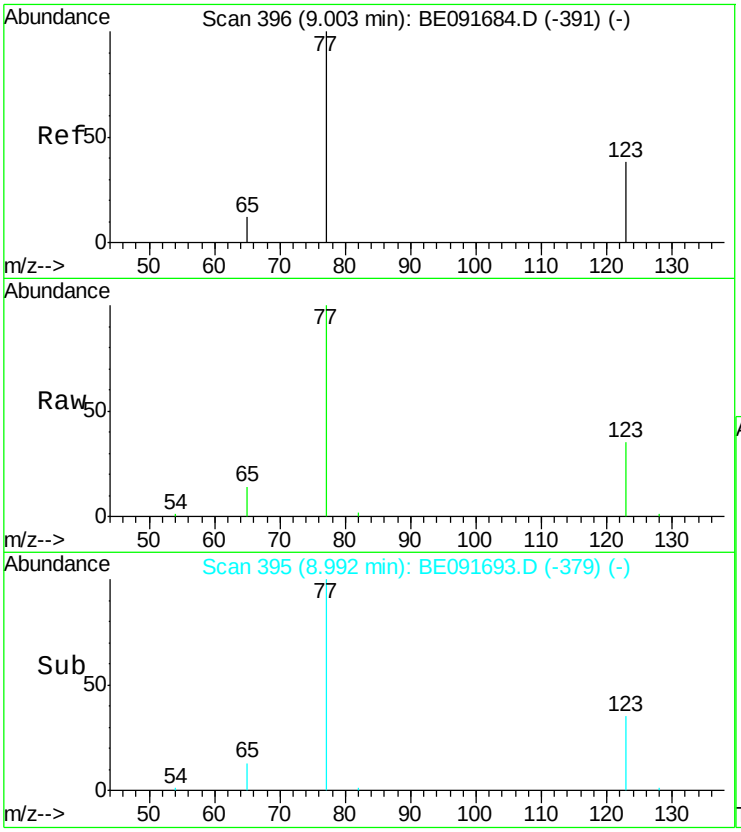


#8
Nitrobenzene-d5
Concen: 4.19 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion: 82 Resp: 45689

Ion	Ratio	Lower	Upper
82	100		
128	40.4	25.4	38.0#
54	42.3	48.4	72.6#



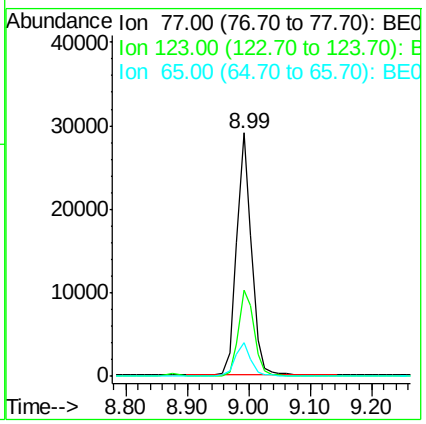


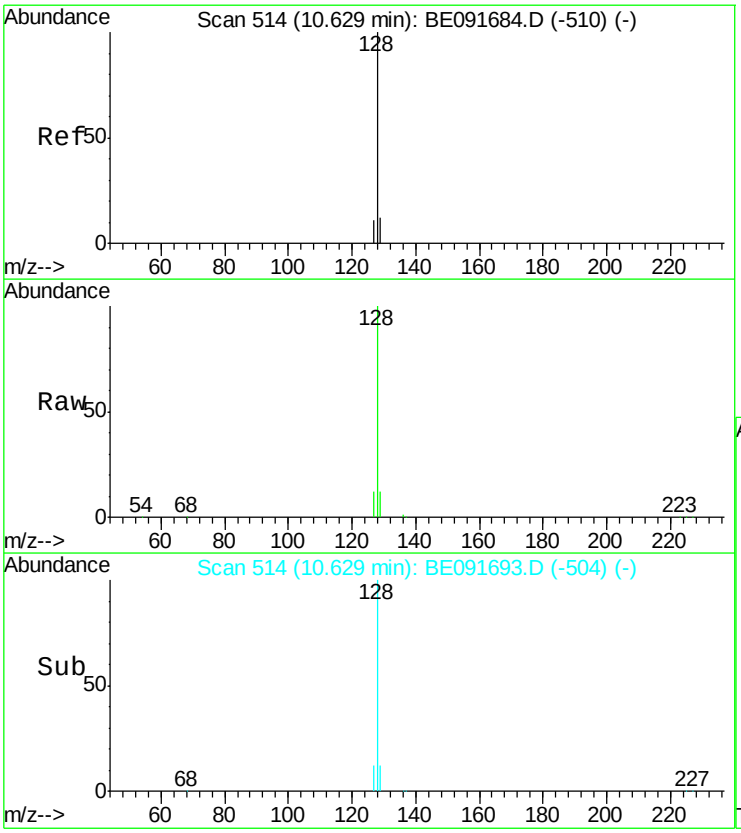
#9
Nitrobenzene
Concen: 4.50 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion: 77 Resp: 49240

Ion	Ratio	Lower	Upper
77	100		
123	37.6	26.9	40.3
65	13.9	9.4	14.2

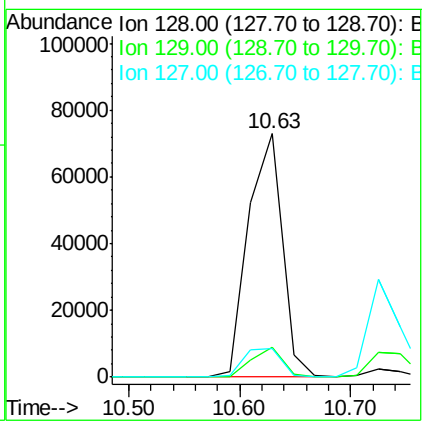


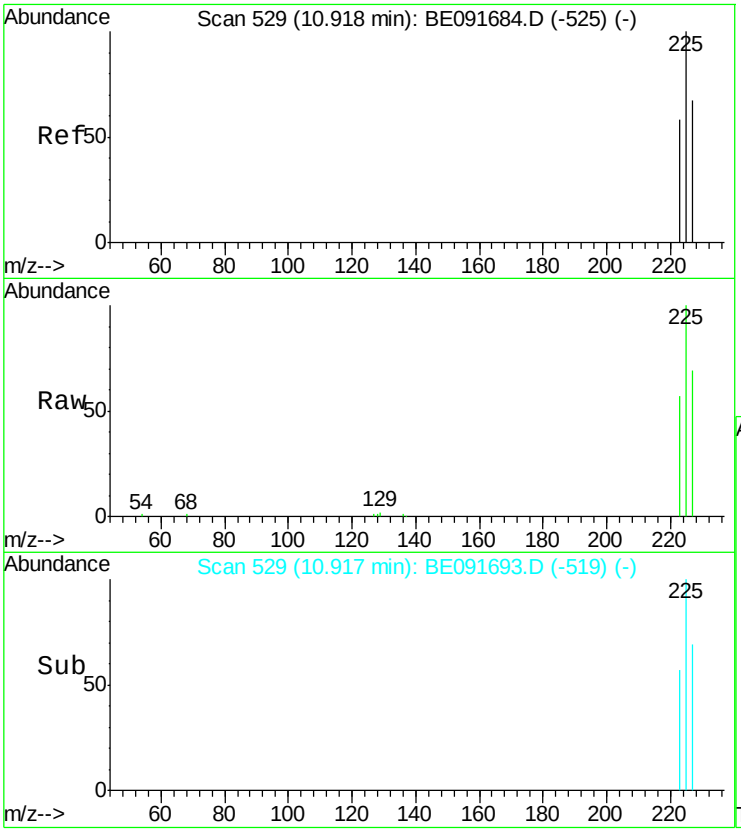


#10
Naphthalene
Concen: 3.70 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:128 Resp: 154577

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.3	13.9
127	11.7	10.7	16.1



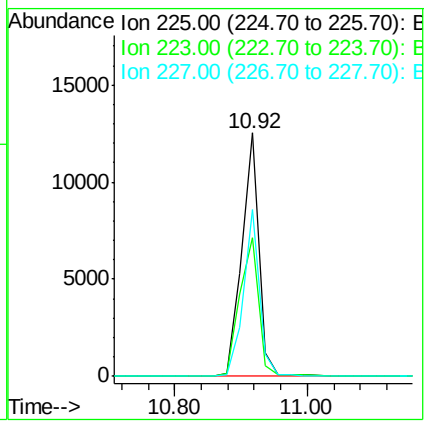


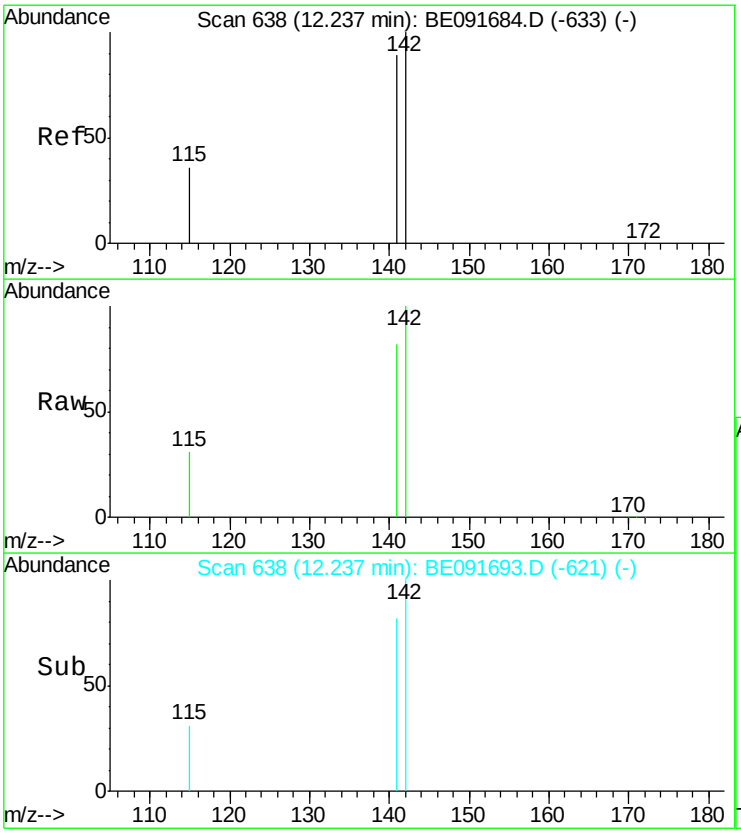
#11
Hexachlorobutadiene
Concen: 4.00 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:225 Resp: 23864

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.0	73.6
227	65.4	50.3	75.5

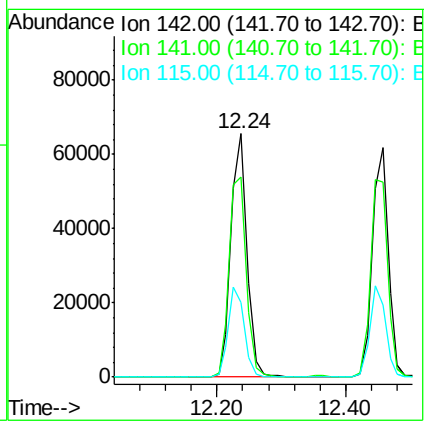


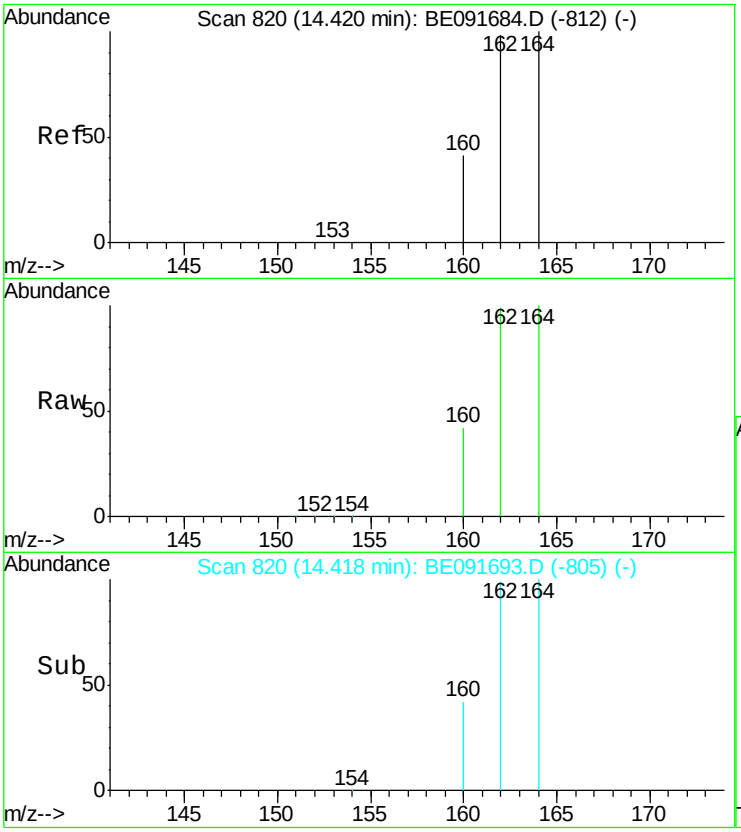


#12
2-Methylnaphthalene
Concen: 4.15 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:142 Resp: 111144

Ion	Ratio	Lower	Upper
142	100		
141	82.2	71.4	107.0
115	30.8	30.3	45.5



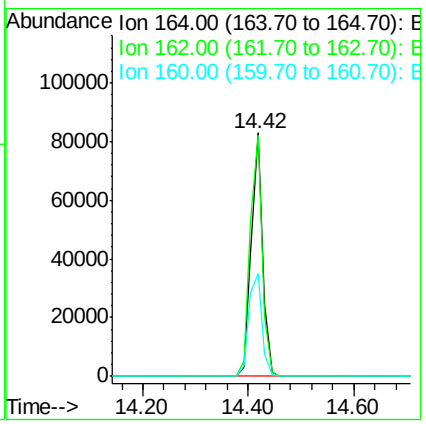


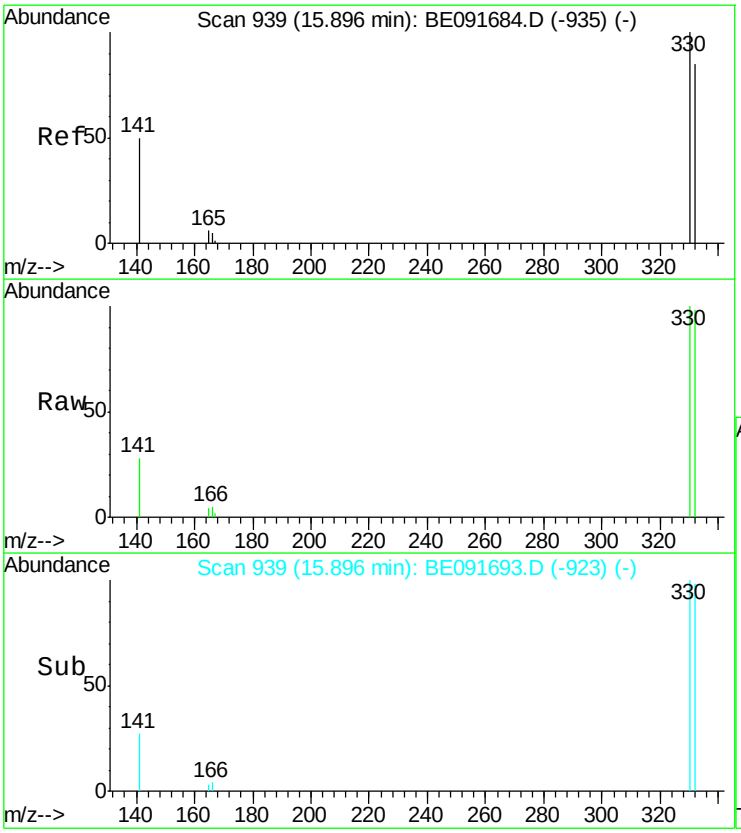
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:164 Resp: 125038

Ion	Ratio	Lower	Upper
164	100		
162	99.0	85.3	127.9
160	42.1	46.2	69.2#

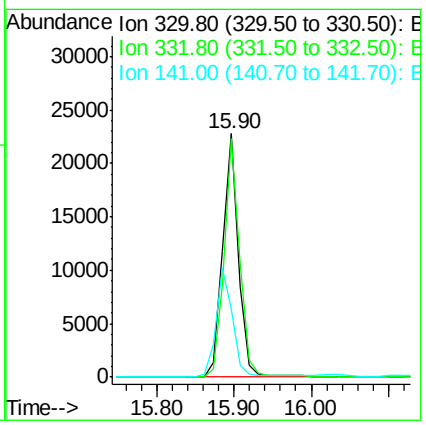


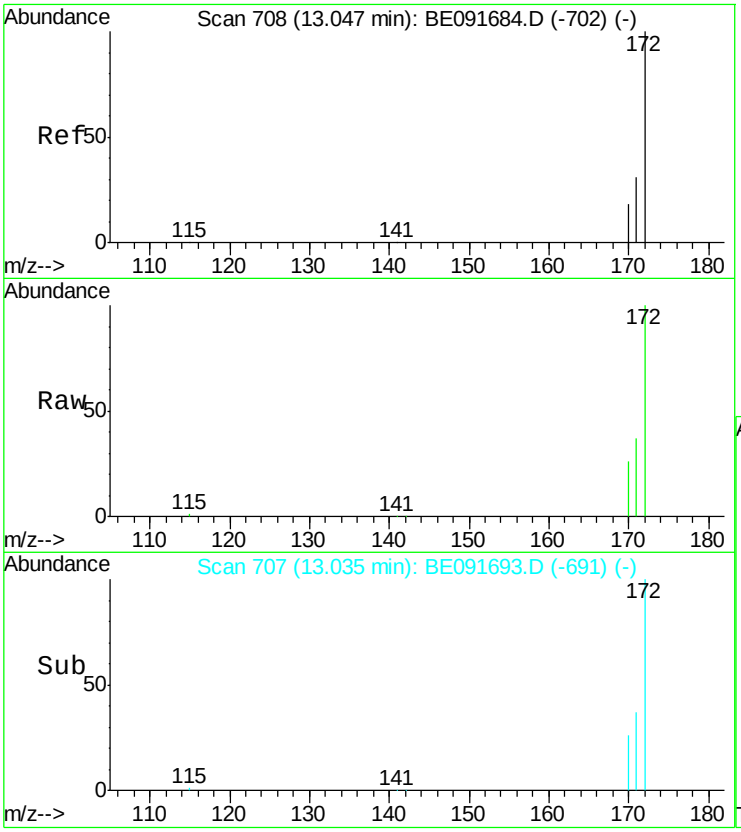


#14
2,4,6-Tribromophenol
Concen: 9.17 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:330 Resp: 36235

Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	40.5	125.4	188.0#



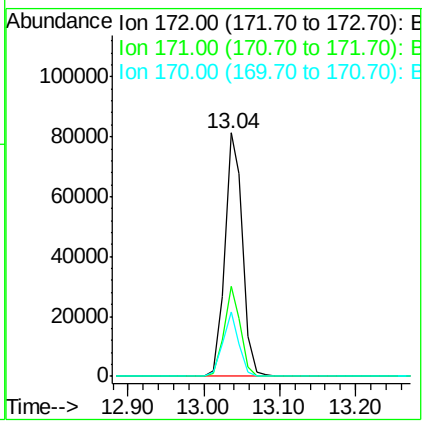


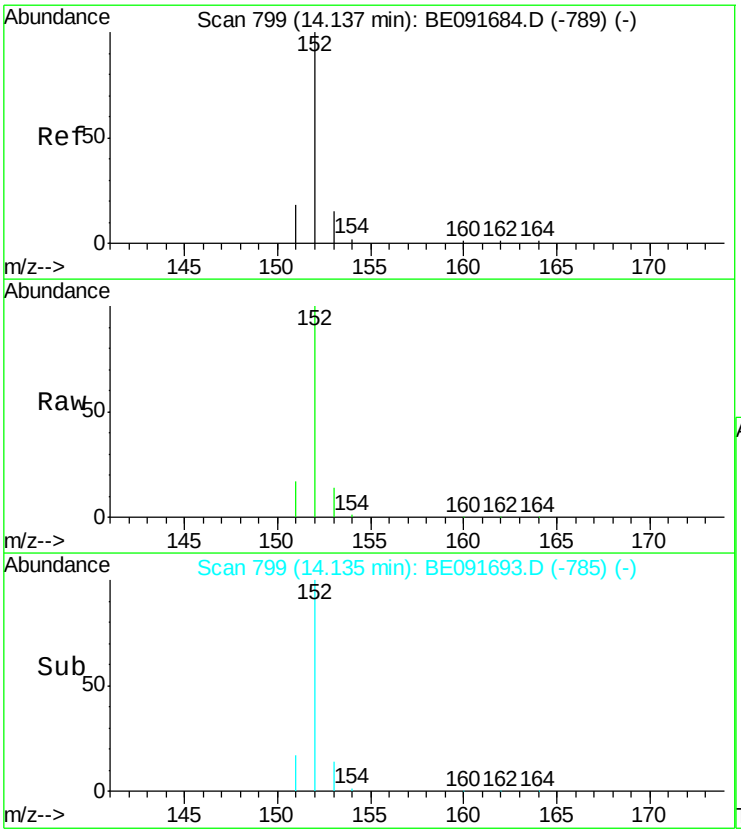
#15
2-Fluorobiphenyl
Concen: 3.87 ng
RT: 13.04 min Scan# 707
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:172 Resp: 133878

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.8	43.2
170	26.3	19.3	28.9

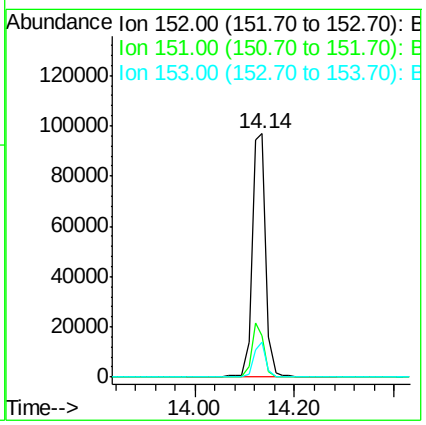


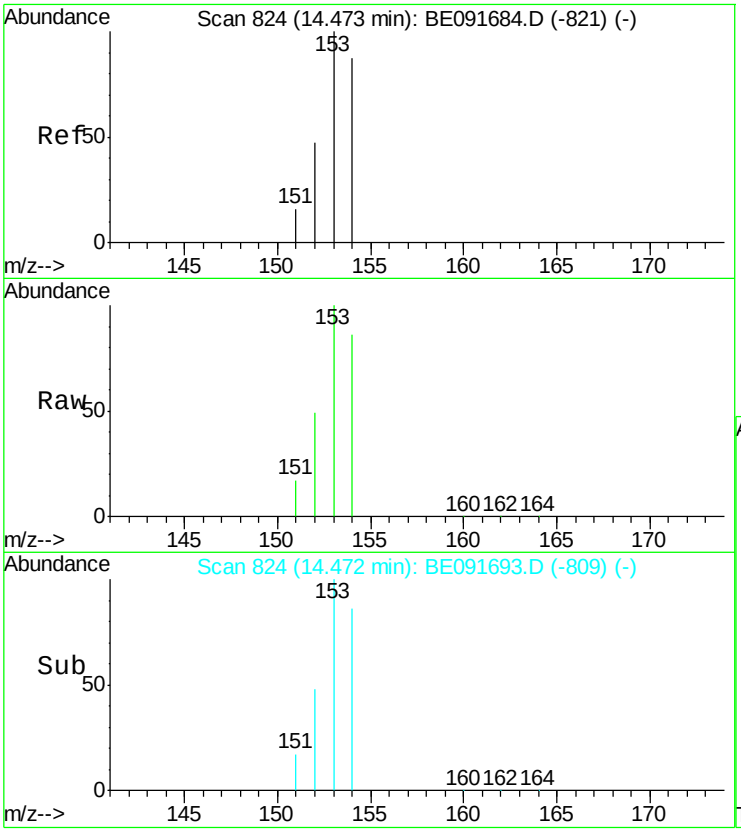


#16
Acenaphthylene
Concen: 3.91 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:152 Resp: 195387

Ion	Ratio	Lower	Upper
152	100		
151	20.1	3.9	5.9#
153	13.5	10.3	15.5



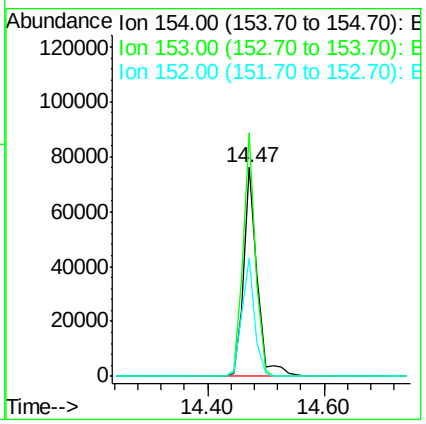


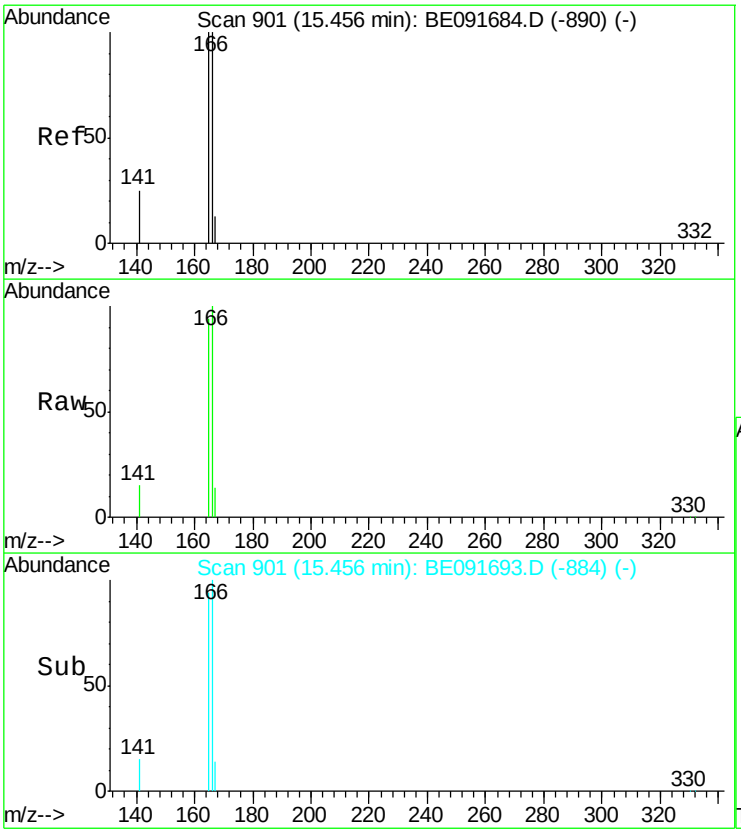
#17
Acenaphthene
Concen: 3.96 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:154 Resp: 121974

Ion	Ratio	Lower	Upper
154	100		
153	107.4	80.0	120.0
152	53.2	40.0	60.0

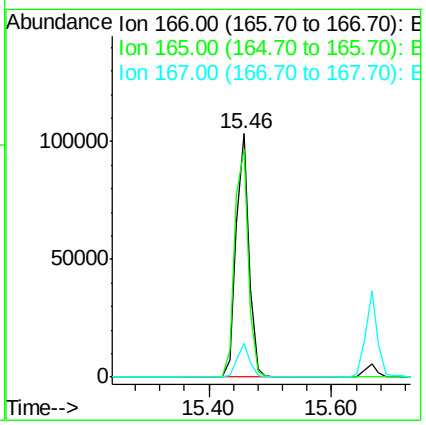


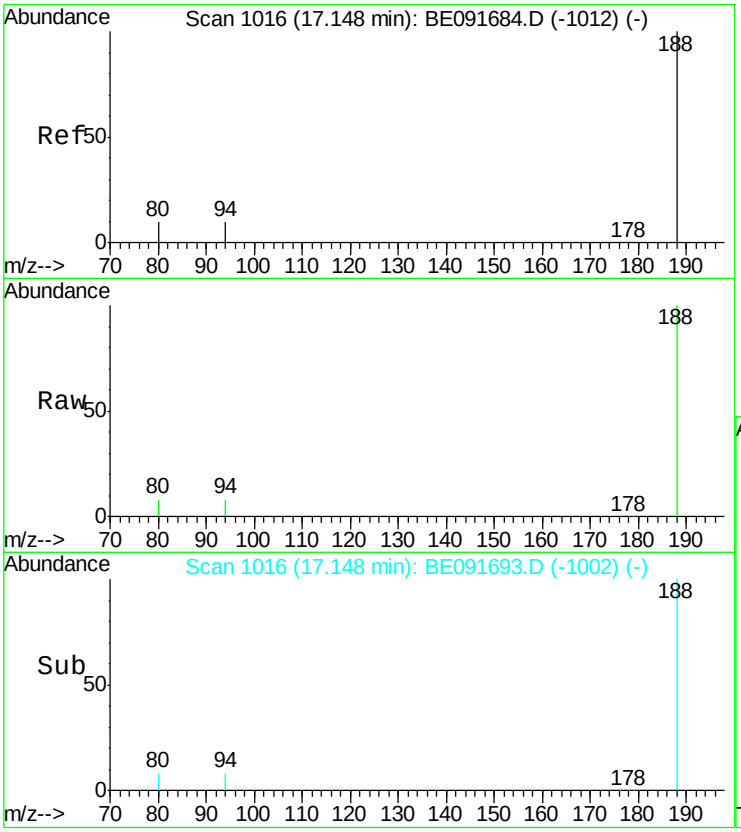


#18
Fluorene
Concen: 3.99 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:166 Resp: 152115

Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.8	121.2
167	13.6	10.9	16.3



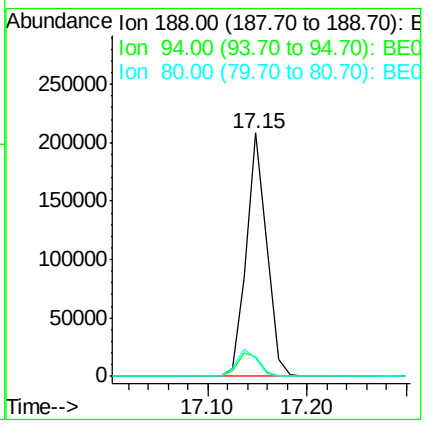


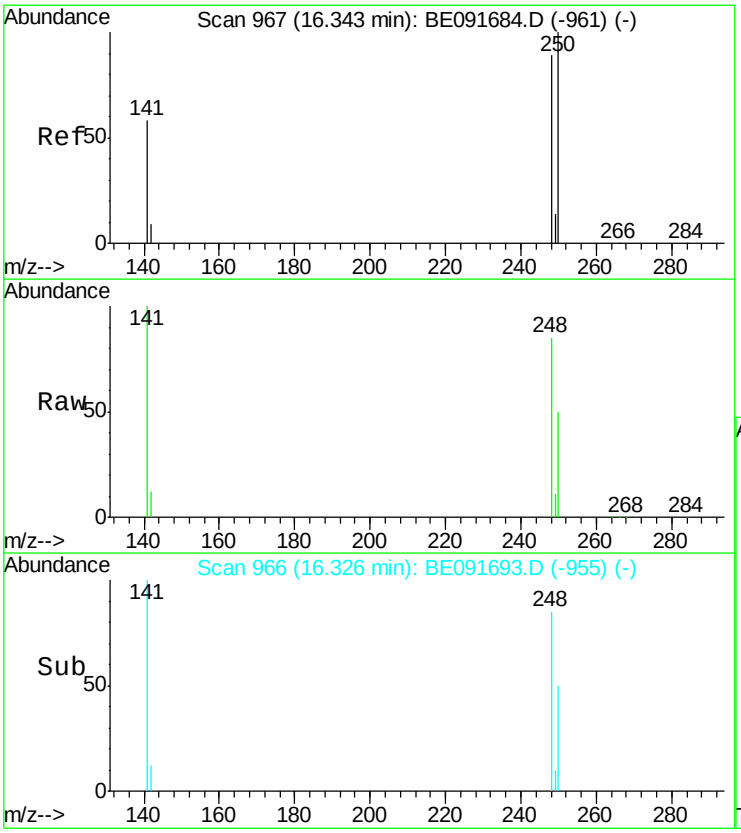
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:188 Resp: 296729

Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.7	13.1#
80	7.6	9.4	14.0#

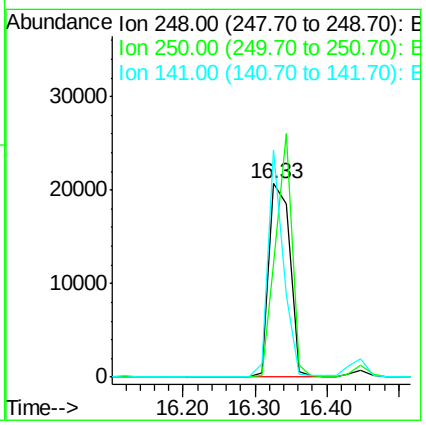


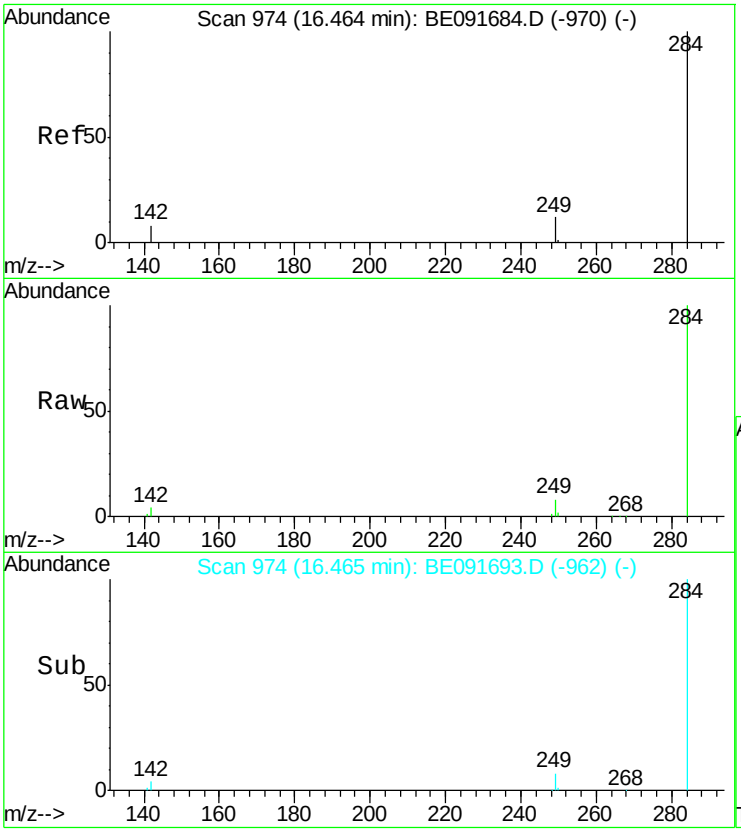


#20
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:248 Resp: 41780

Ion	Ratio	Lower	Upper
248	100		
250	98.2	80.5	120.7
141	85.8	72.0	108.0



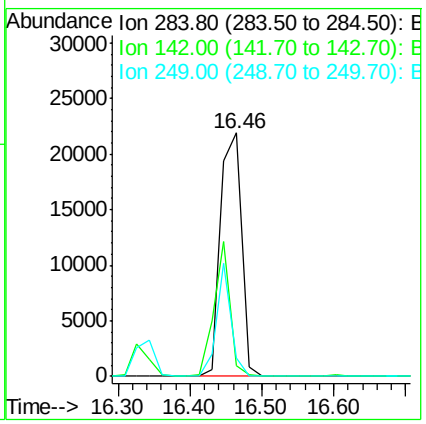


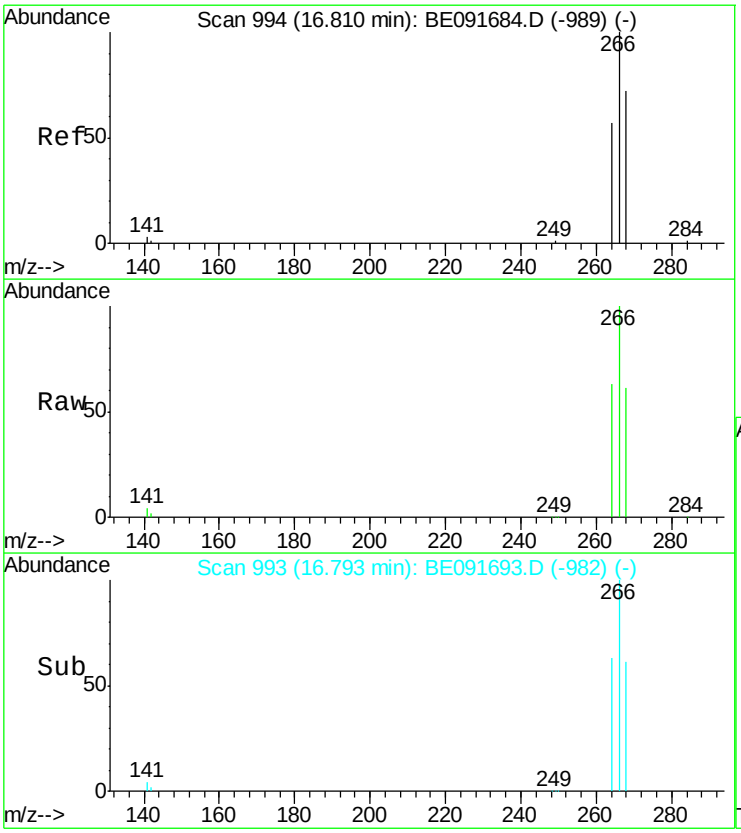
#21
Hexachlorobenzene
Concen: 4.07 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:284 Resp: 44306

Ion	Ratio	Lower	Upper
284	100		
142	42.1	32.2	48.2
249	32.2	25.4	38.2

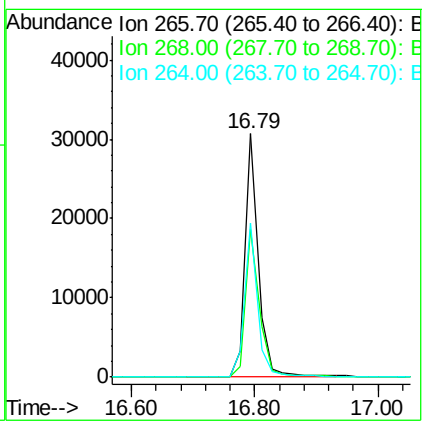


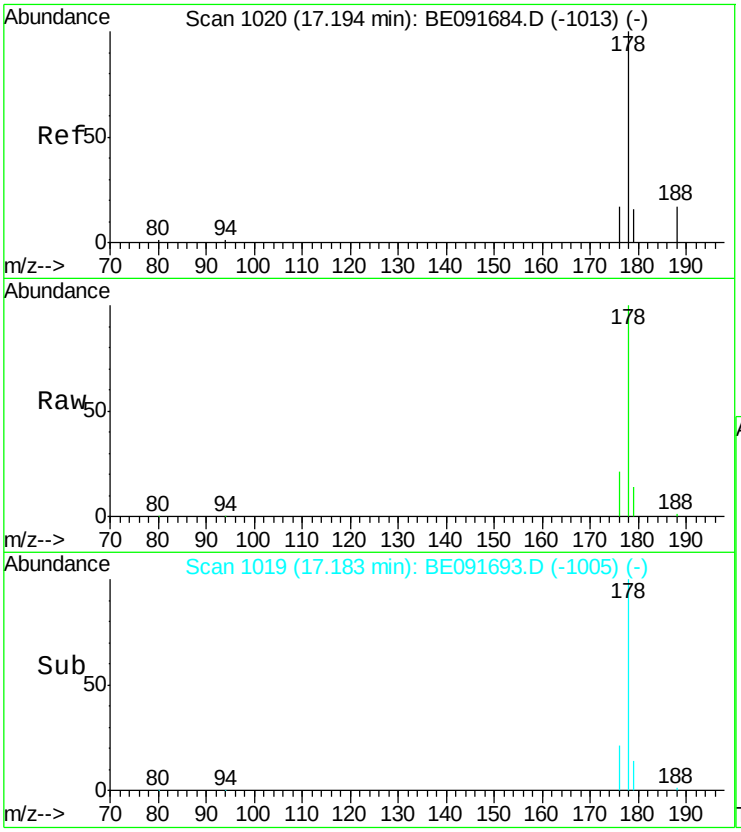


#22
Pentachlorophenol
Concen: 7.21 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:266 Resp: 45471

Ion	Ratio	Lower	Upper
266	100		
268	60.6	58.2	87.2
264	63.4	56.2	84.4



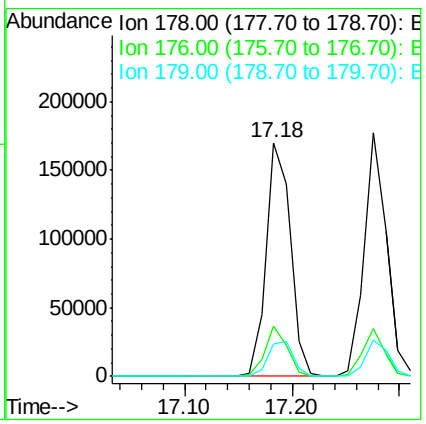


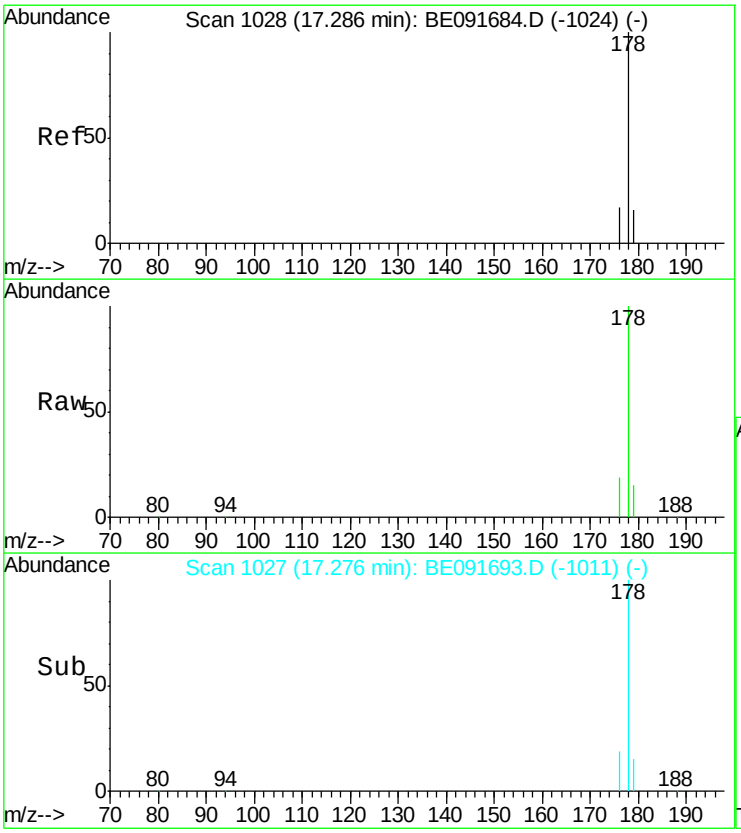
#23
Phenanthrene
Concen: 4.03 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:178 Resp: 268783

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.6	12.6	18.8

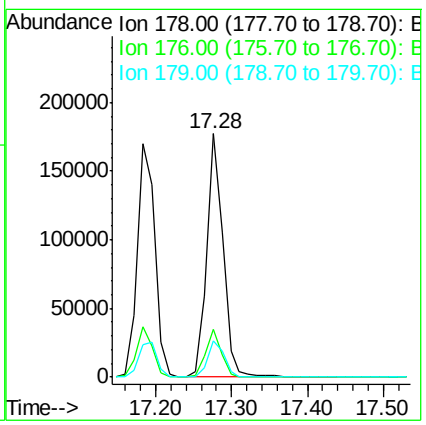


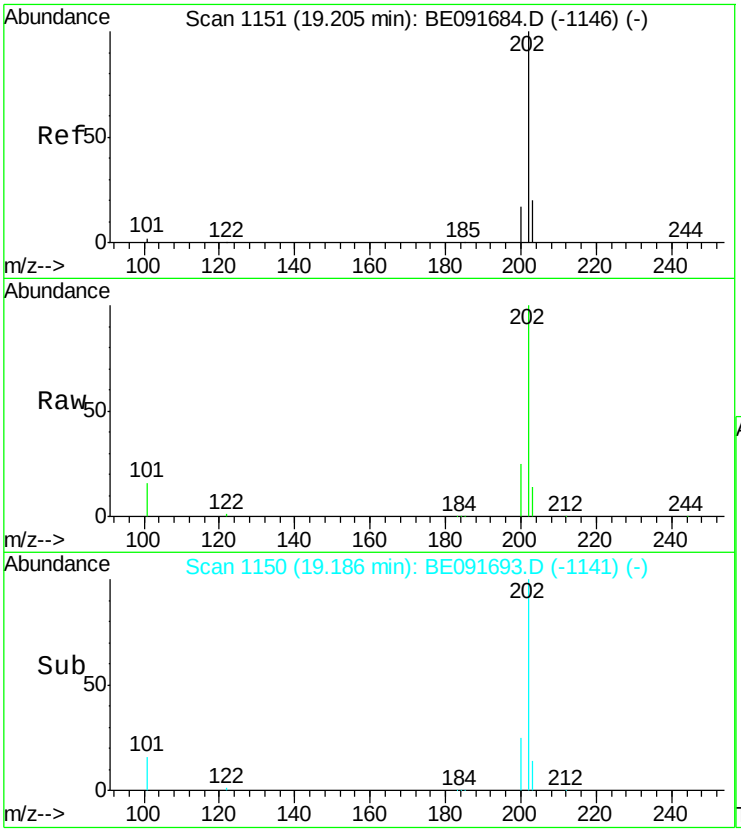


#24
Anthracene
Concen: 4.35 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:178 Resp: 258510

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.2	11.8	17.6



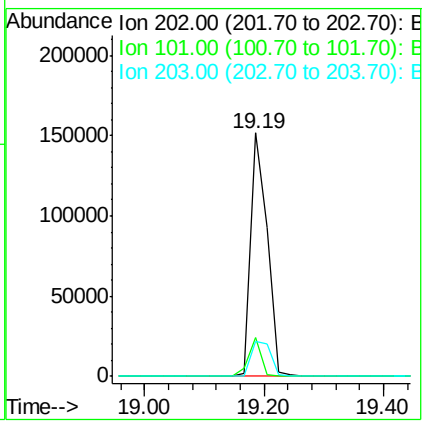


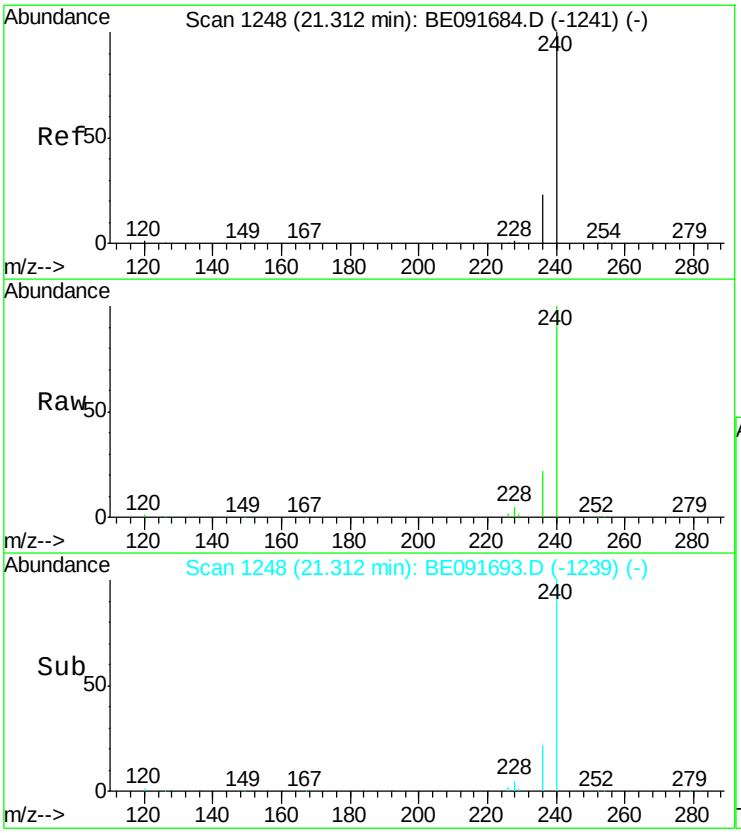
#25
Fluoranthene
Concen: 4.41 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:202 Resp: 290577

Ion	Ratio	Lower	Upper
202	100		
101	12.1	11.0	16.6
203	17.5	13.9	20.9

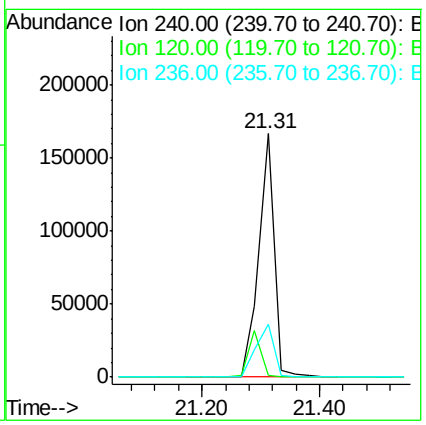


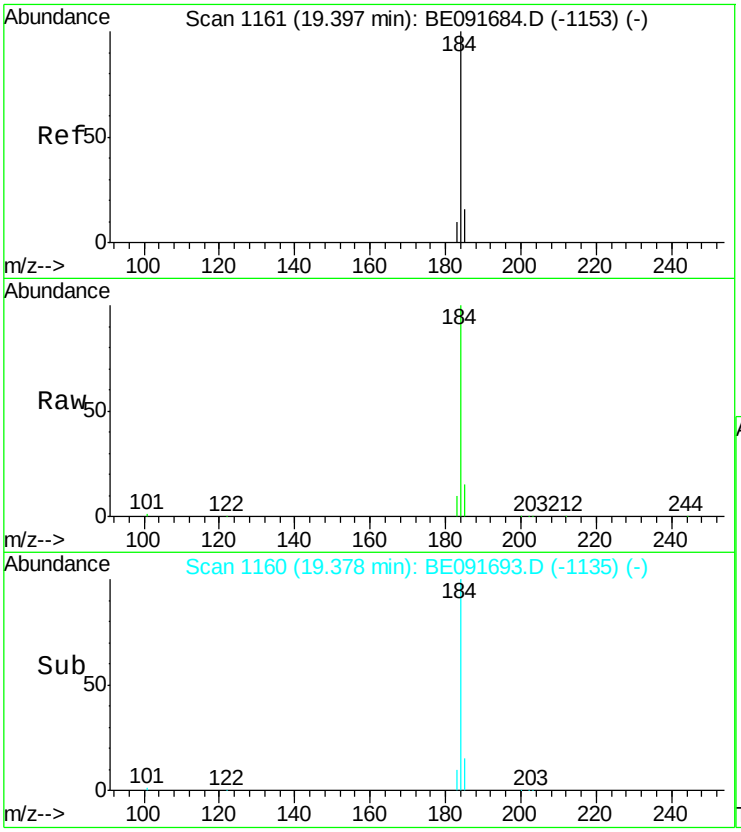


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:240 Resp: 308117

Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	22.0	21.7	32.5



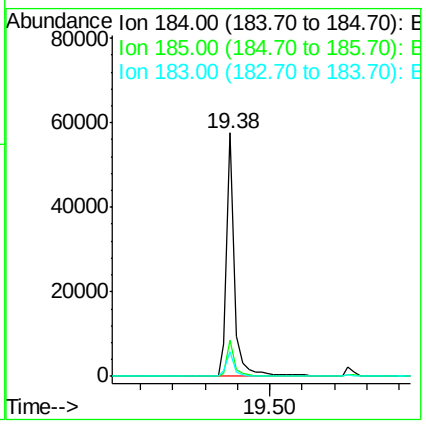


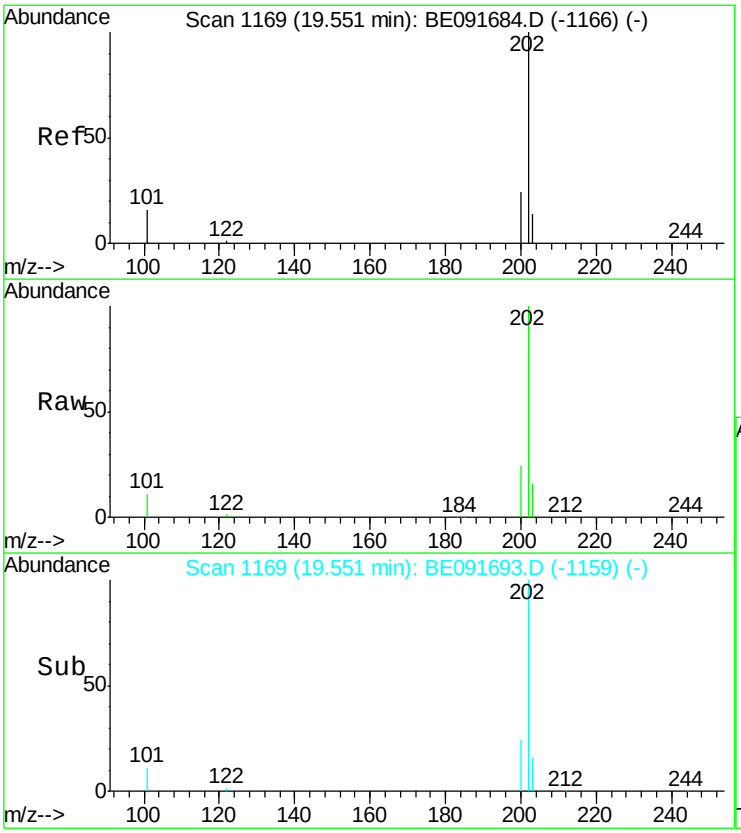
#27
Benzidine
Concen: 4.03 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:184 Resp: 97390

Ion	Ratio	Lower	Upper
184	100		
185	14.7	22.3	33.5#
183	10.1	16.4	24.6#

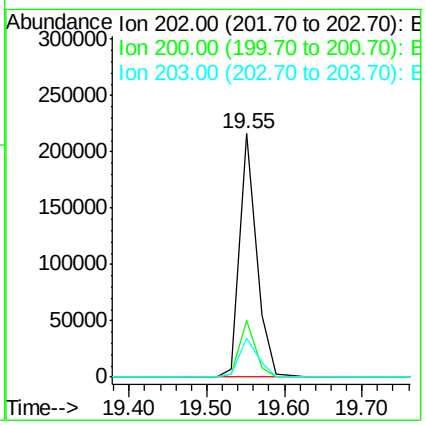


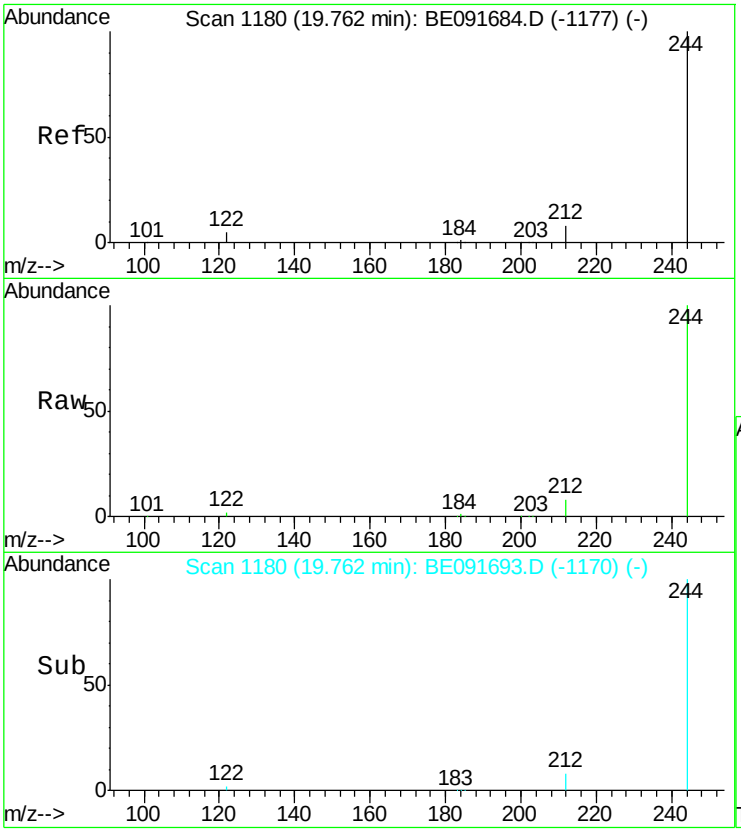


#28
Pyrene
Concen: 4.56 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:202 Resp: 324633

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	17.8	14.0	21.0



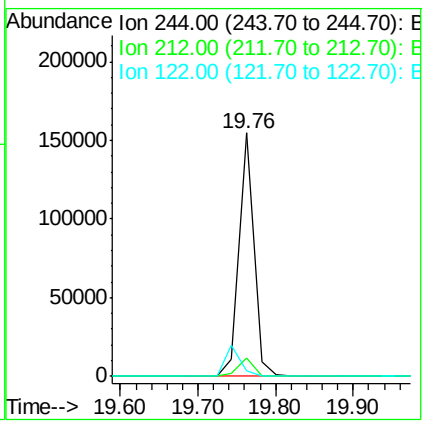


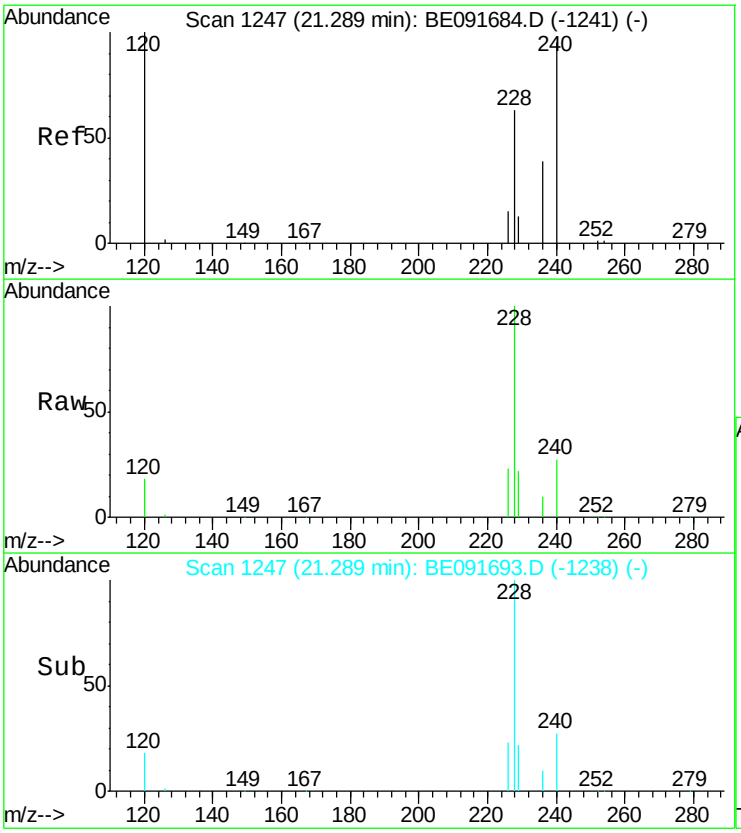
#29
Terphenyl-d14
Concen: 4.18 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:244 Resp: 204162

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.9	10.3
122	2.0	11.0	16.4#

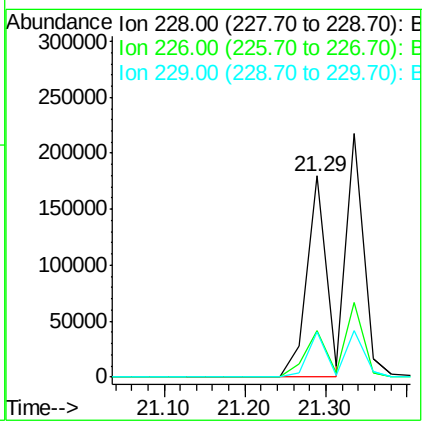


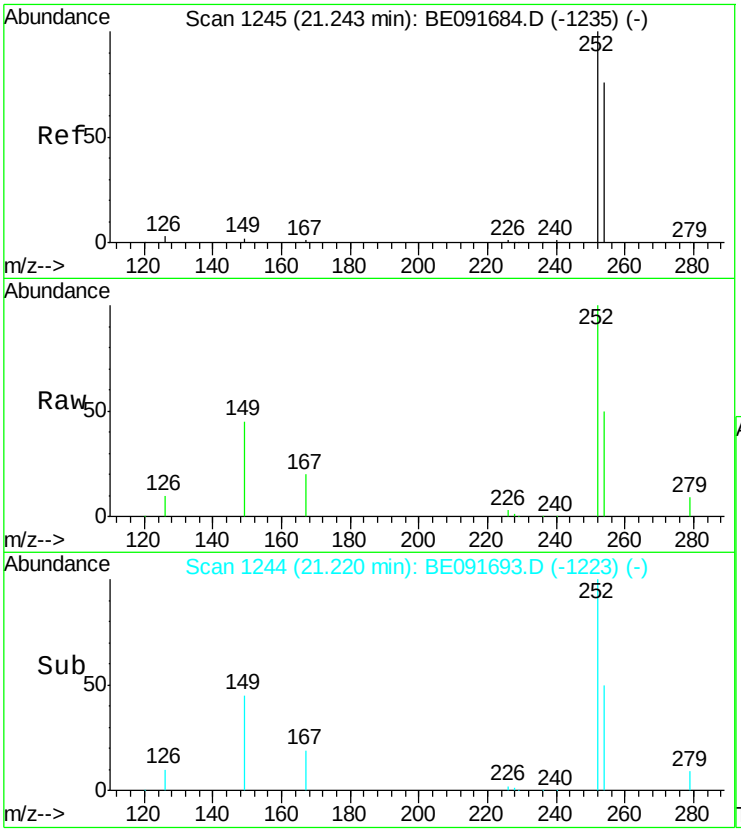


#30
Benzo(a)anthracene
Concen: 4.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:228 Resp: 299384

Ion	Ratio	Lower	Upper
228	100		
226	23.1	21.0	31.4
229	22.2	15.7	23.5



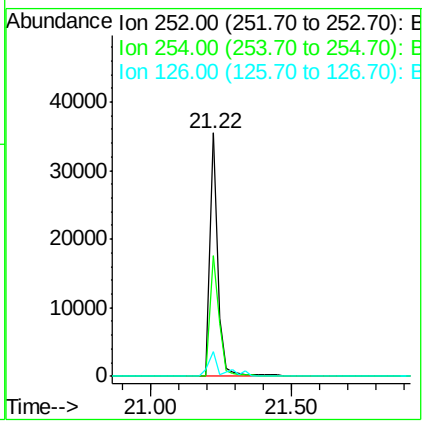


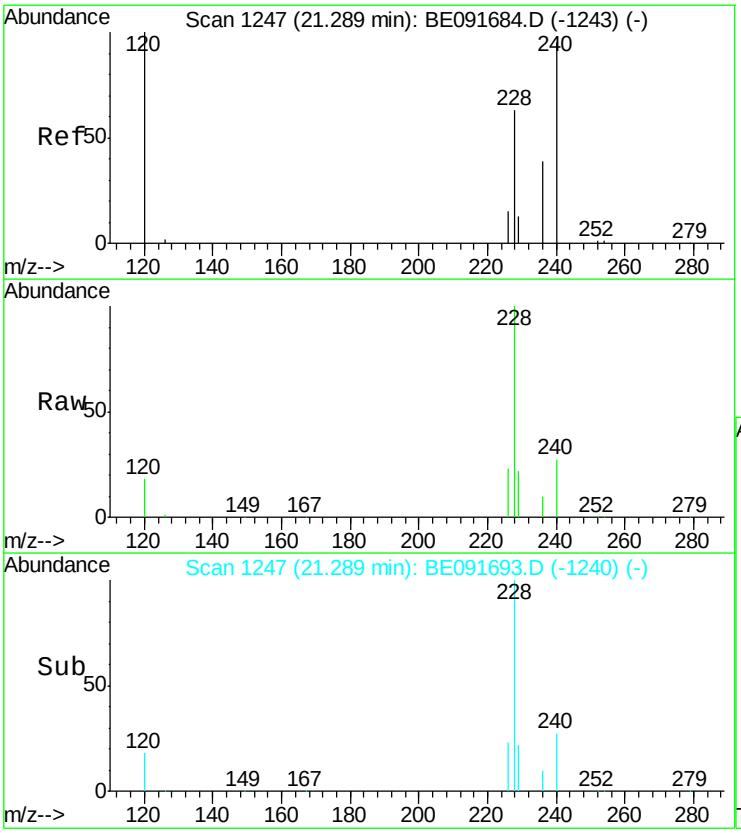
#31
3,3'-Dichlorobenzidine
Concen: 1.69 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:252 Resp: 65060

Ion	Ratio	Lower	Upper
252	100		
254	49.6	51.1	76.7#
126	10.2	12.6	18.8#

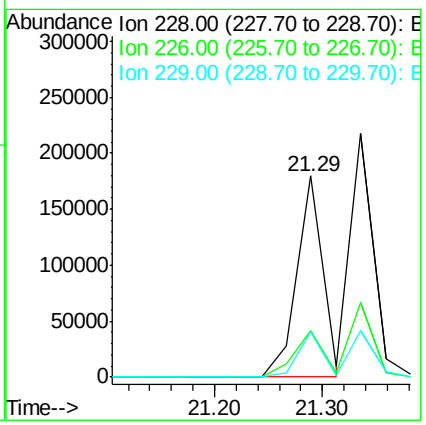


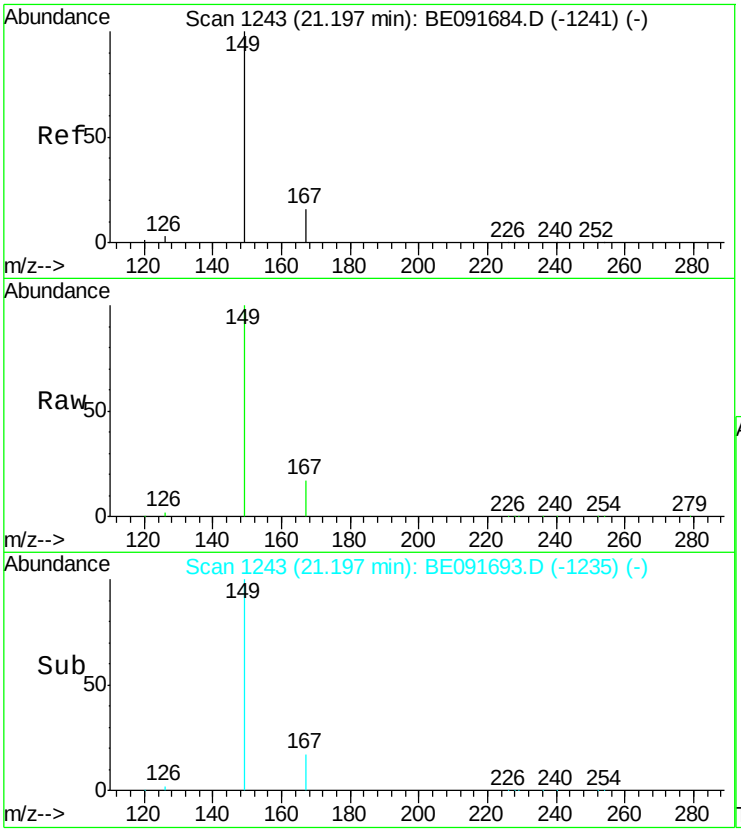


#32
Chrysene
Concen: 3.67 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.05 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:228 Resp: 299346

Ion	Ratio	Lower	Upper
228	100		
226	23.1	24.0	36.0#
229	22.2	15.9	23.9



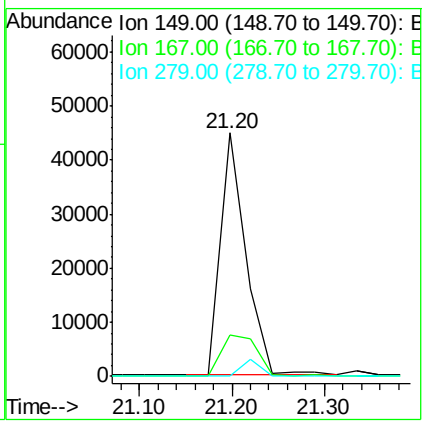


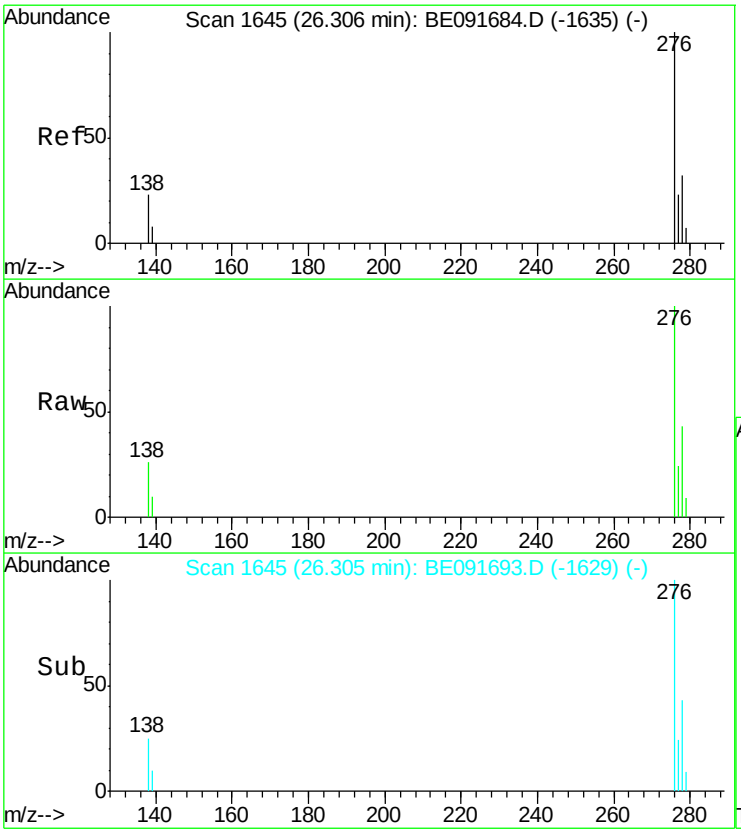
#33
Bis(2-ethylhexyl)phthalate
Concen: 4.36 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:149 Resp: 86226

Ion	Ratio	Lower	Upper
149	100		
167	23.9	19.5	29.3
279	0.0	10.0	15.0#

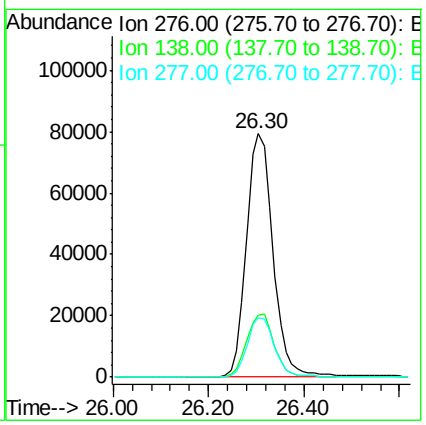


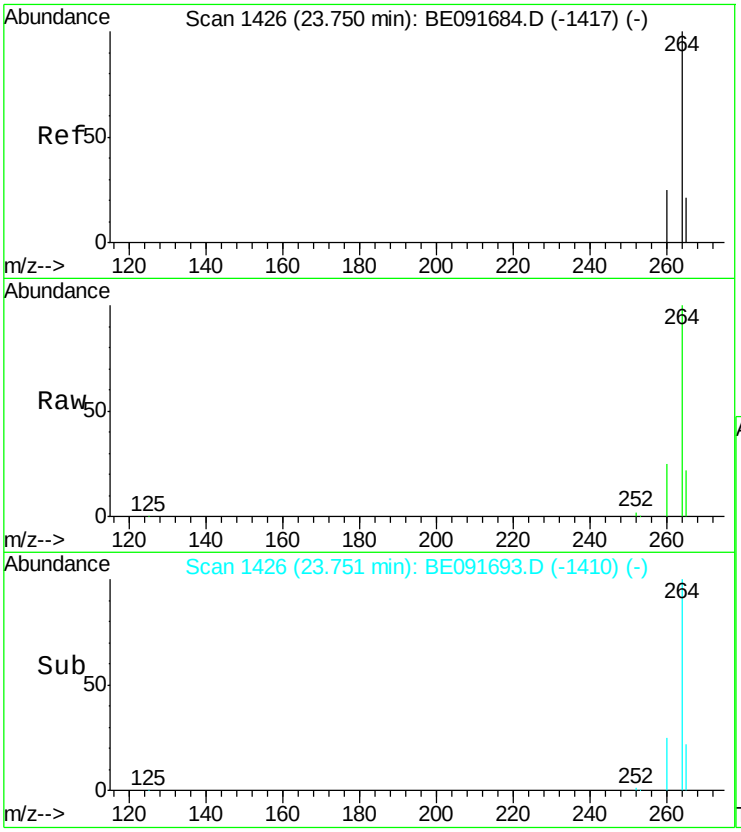


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.18 ng
RT: 26.30 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:276 Resp: 305348

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.4	35.2
277	24.9	19.8	29.8



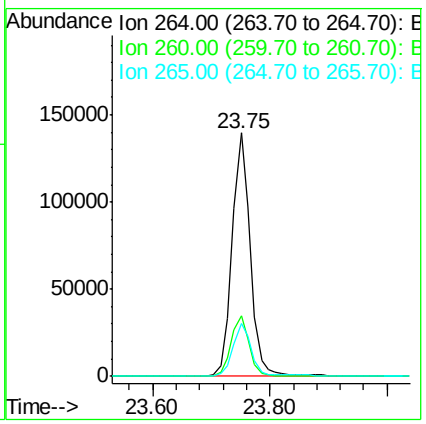


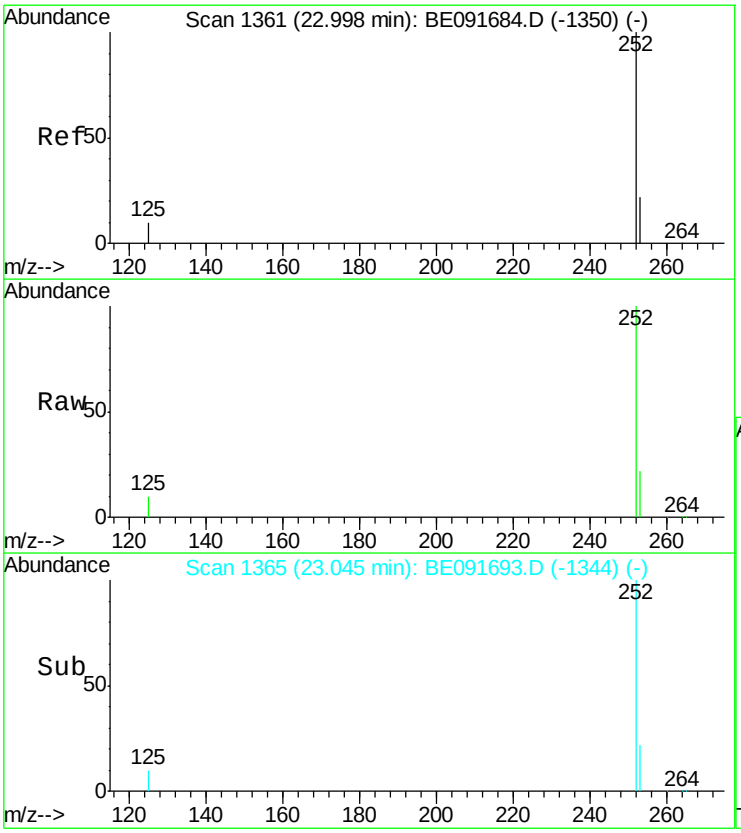
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:264 Resp: 297990

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.0	17.5	26.3

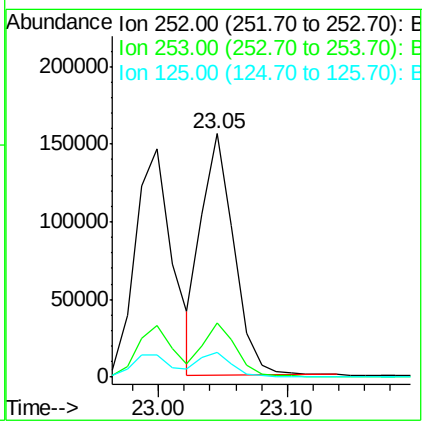


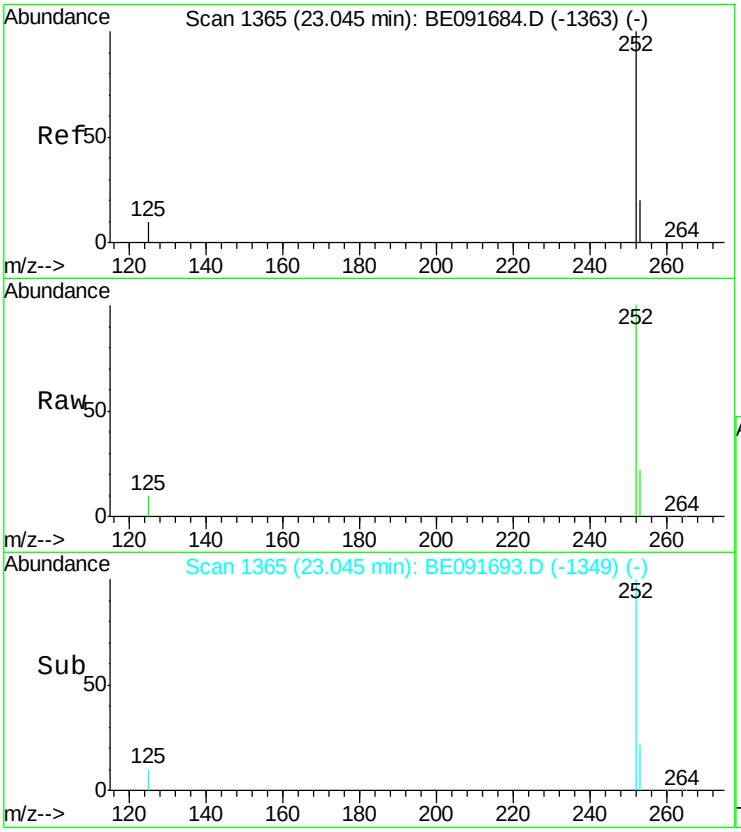


#36
Benzo(b)fluoranthene
Concen: 3.84 ng
RT: 23.05 min Scan# 1365
Delta R.T. 0.05 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:252 Resp: 274502

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.3	10.2	15.2



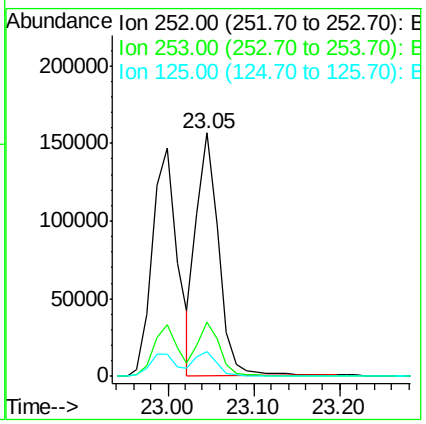


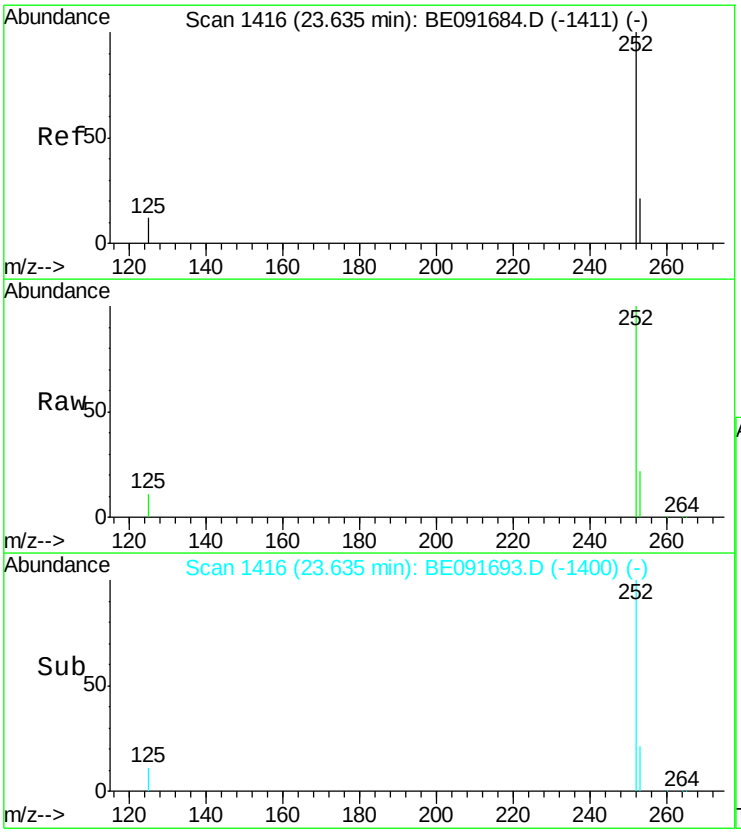
#37
Benzo(k)fluoranthene
Concen: 3.98 ng
RT: 23.05 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:252 Resp: 279791

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.3	9.9	14.9

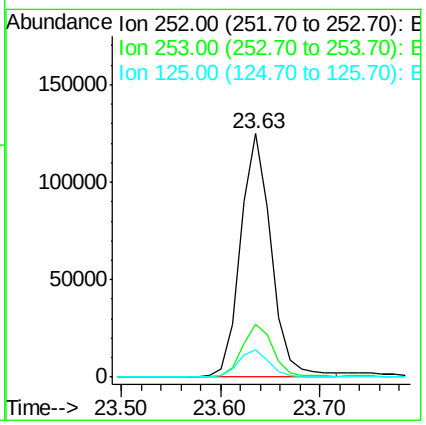


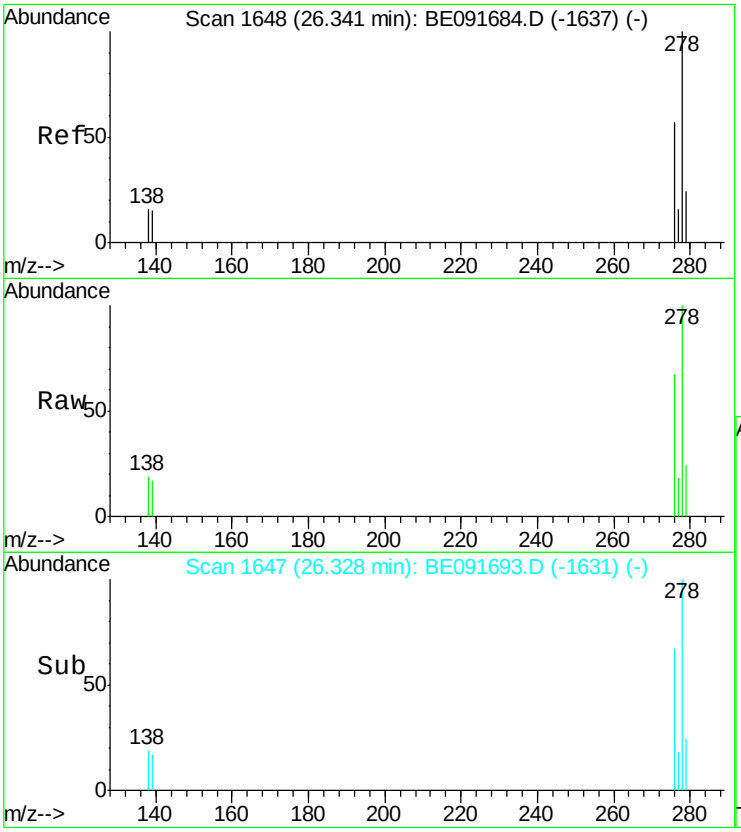


#38
Benzo(a)pyrene
Concen: 4.29 ng
RT: 23.63 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:252 Resp: 265033

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.4	11.0	16.4



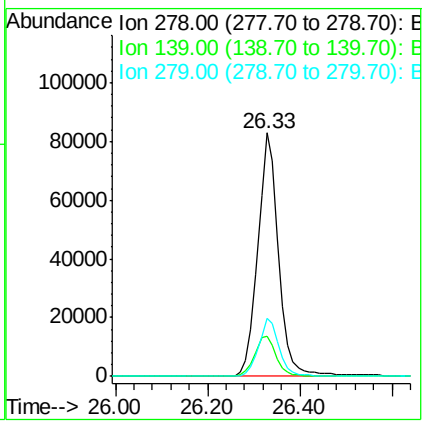


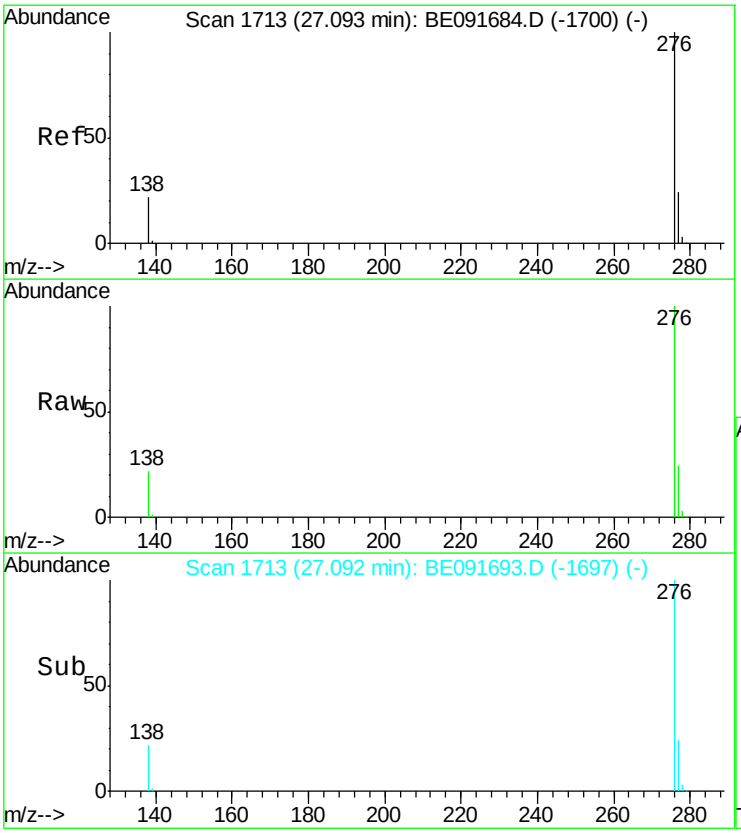
#39
Dibenzo(a,h)anthracene
Concen: 4.07 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Instrument :
BNA_E
ClientSampleId :
PB89886BS

Tgt Ion:278 Resp: 258058

Ion	Ratio	Lower	Upper
278	100		
139	16.6	16.0	24.0
279	23.7	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 4.00 ng
RT: 27.09 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:276 Resp: 260007

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	22.1	20.4	30.6