Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042016\
Data File : BE091687.D
Acq On : 20 Apr 2016 16:18
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Apr 20 17:15:17 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 15:30:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	31388	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	155147	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	94725	5.00	ng		0.00
19) Phenanthrene-d10	17.15	188	223179	5.00	ng		0.00
26) Chrysene-d12	21.31	240	248818	5.00	ng		0.00
35) Perylene-d12	23.75	264	230068	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	22606	3.31	ng		0.00
5) Phenol-d6	6.95	99	31730	3.45	ng		-0.02
8) Nitrobenzene-d5	8.96	82	28489	3.58	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	10618	5.30	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	84803	3.21	ng		-0.01
29) Terphenyl-d14	19.76	244	133408	3.93	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	11184	2.76	ng	#	90
3) n-Nitrosodimethylamine	3.64	42	15314	3.40	ng		93
6) bis(2-Chloroethyl)ether	7.23	93	28105	3.32	ng	#	76
9) Nitrobenzene	8.99	77	30890	3.86	ng		95
10) Naphthalene	10.63	128	100843	3.19	ng		97
11) Hexachlorobutadiene	10.92	225	16248	3.55	ng		98
12) 2-Methylnaphthalene	12.24	142	67291	3.34	ng		94
16) Acenaphthylene	14.12	152	127649	3.66	ng	#	86
17) Acenaphthene	14.47	154	76041	3.26	ng		89
18) Fluorene	15.46	166	96392	3.38	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	26597	3.44	ng		97
21) Hexachlorobenzene	16.45	284	27392	3.34	ng		96
22) Pentachlorophenol	16.79	266	11257	4.14	ng		88
23) Phenanthrene	17.19	178	166843	3.29	ng		99
24) Anthracene	17.27	178	157705	3.50	ng		98
25) Fluoranthene	19.19	202	172009	3.41	ng		98
27) Benzidine	19.38	184	54697	3.03	ng	#	76
28) Pyrene	19.55	202	197768	3.98	ng		99
30) Benzo(a)anthracene	21.33	228	416291	7.21	ng	#	90
31) 3,3'-Dichlorobenzidine	21.22	252	97247	4.30	ng	#	80
32) Chrysene	21.33	228	417882	7.14	ng		95
33) Bis(2-ethylhexyl)phthalate	21.20	149	45708	4.32	ng	#	57
34) Indeno(1,2,3-cd)pyrene	26.31	276	196984	3.70	ng		97
36) Benzo(b)fluoranthene	23.04	252	176697	3.49	ng		97
37) Benzo(k)fluoranthene	23.04	252	179418	3.34	ng		97
38) Benzo(a)pyrene	23.63	252	163422	3.46	ng		97
39) Dibenzo(a,h)anthracene	26.33	278	163666	3.55	ng		96
40) Benzo(g,h,i)perylene	27.09	276	163977	3.43	ng		96

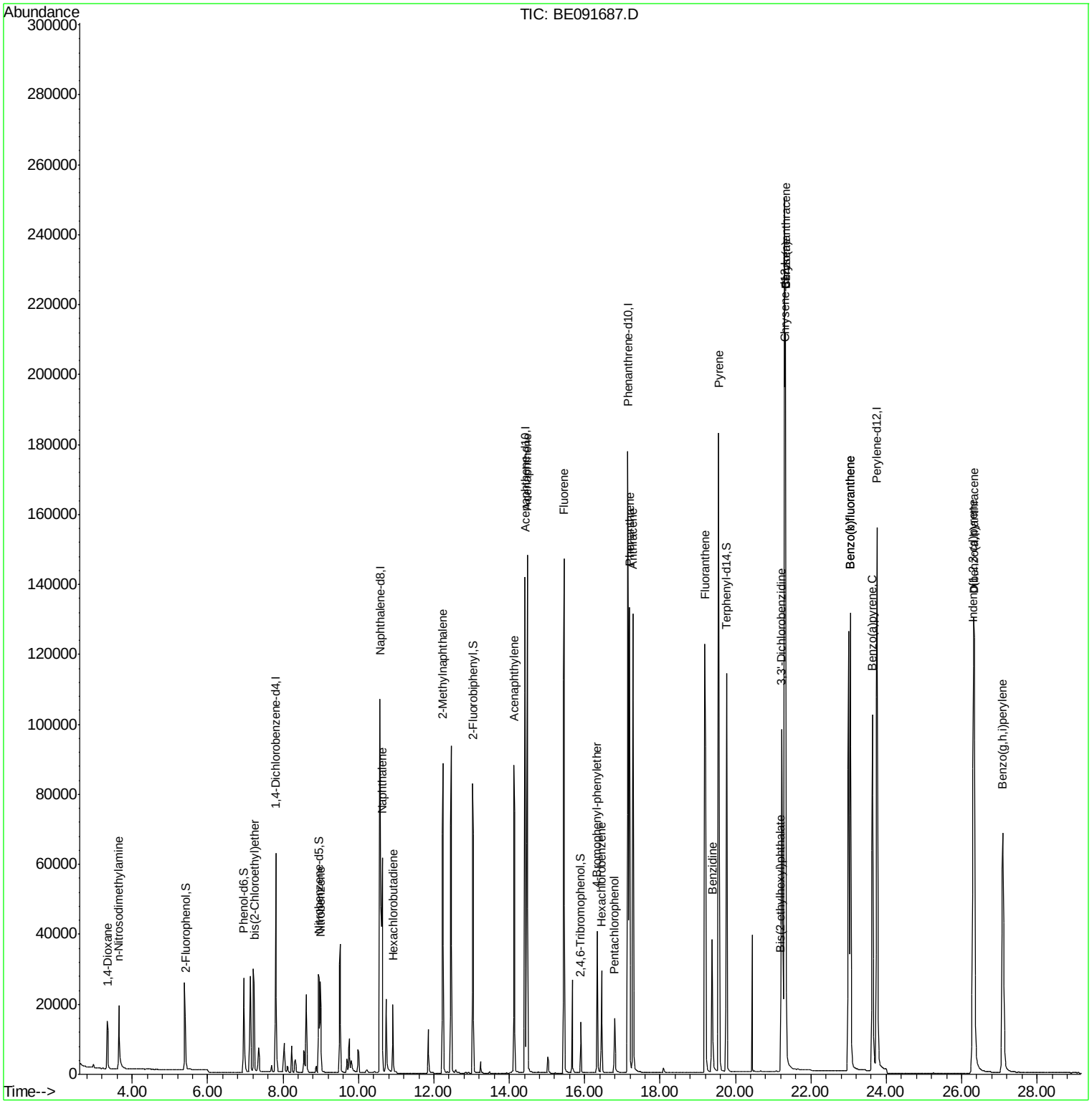
(#) = qualifier out of range (m) = manual integration (+) = signals summed

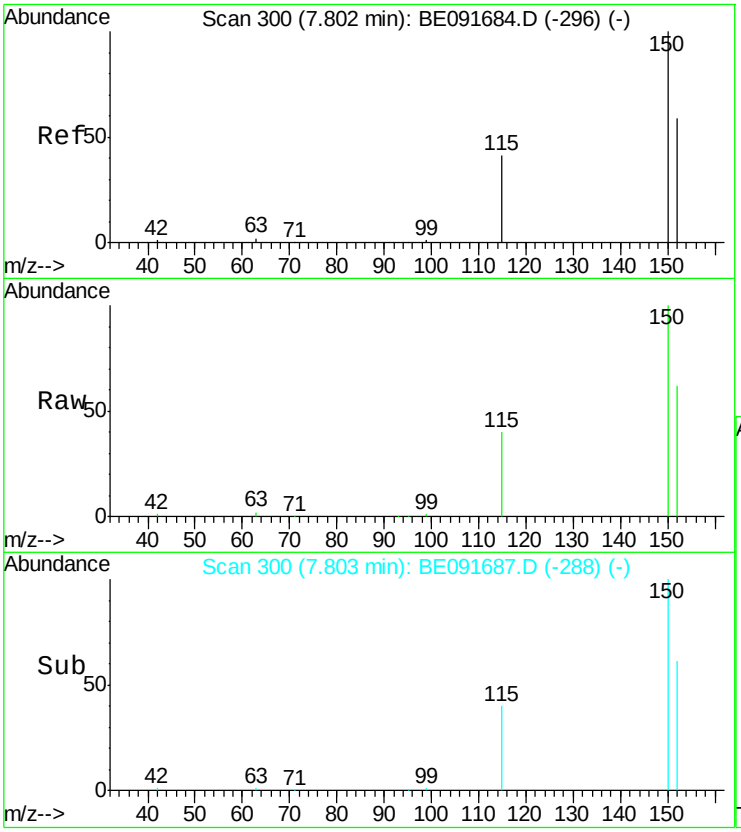
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042016\
Data File : BE091687.D
Acq On : 20 Apr 2016 16:18
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Apr 20 17:15:17 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 15:30:28 2016
Response via : Initial Calibration



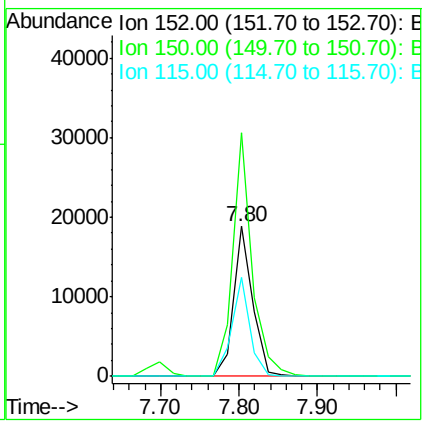


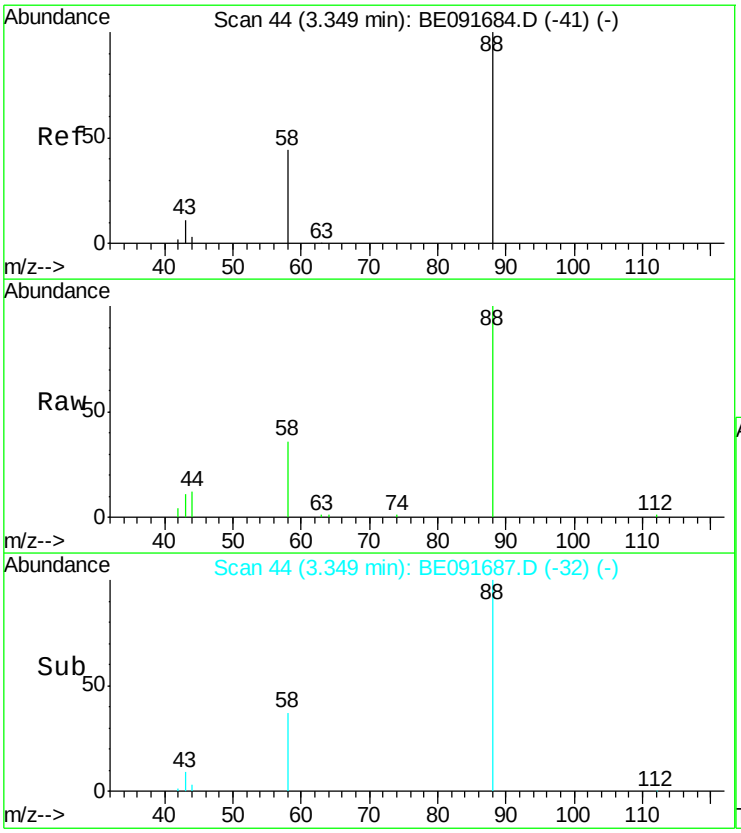
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 31388

Ion	Ratio	Lower	Upper
152	100		
150	162.5	122.6	183.8
115	65.7	52.8	79.2

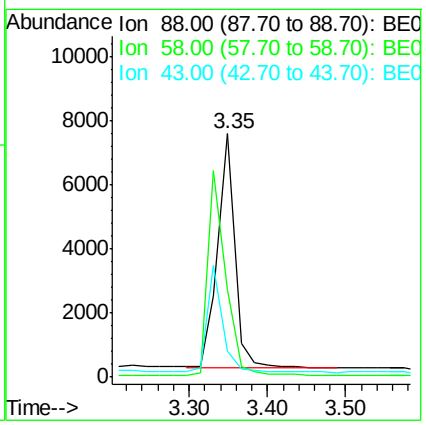


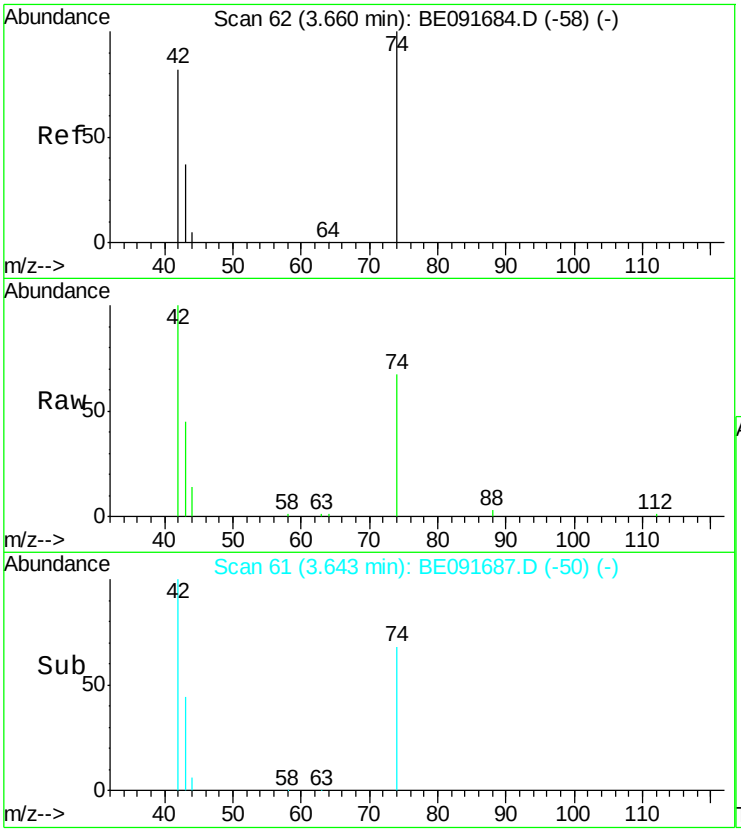


#2
1,4-Dioxane
Concen: 2.76 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion: 88 Resp: 11184

Ion	Ratio	Lower	Upper
88	100		
58	88.9	65.8	98.6
43	40.5	25.3	37.9#



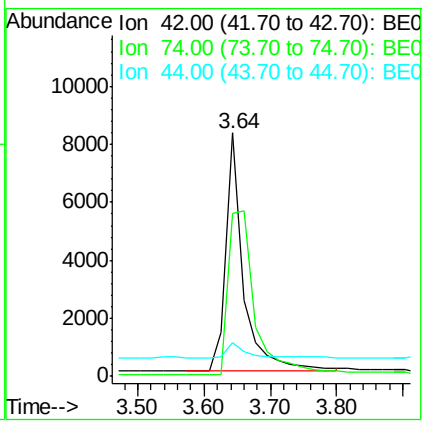


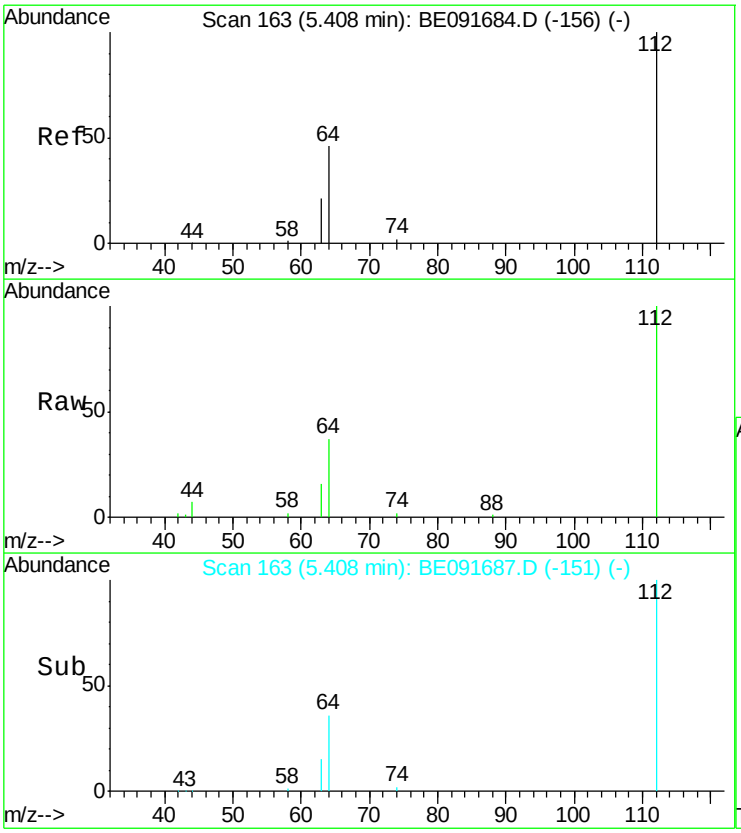
#3
n-Nitrosodimethylamine
Concen: 3.40 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 15314

Ion	Ratio	Lower	Upper
42	100		
74	102.4	87.9	131.9
44	6.6	6.6	9.8

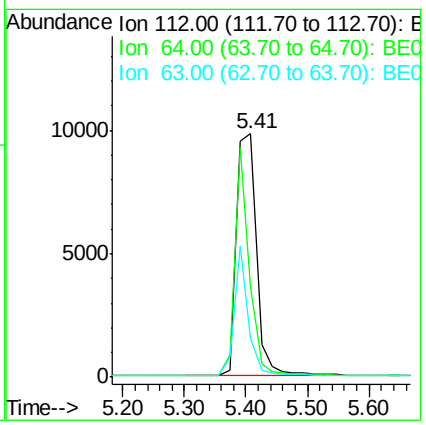


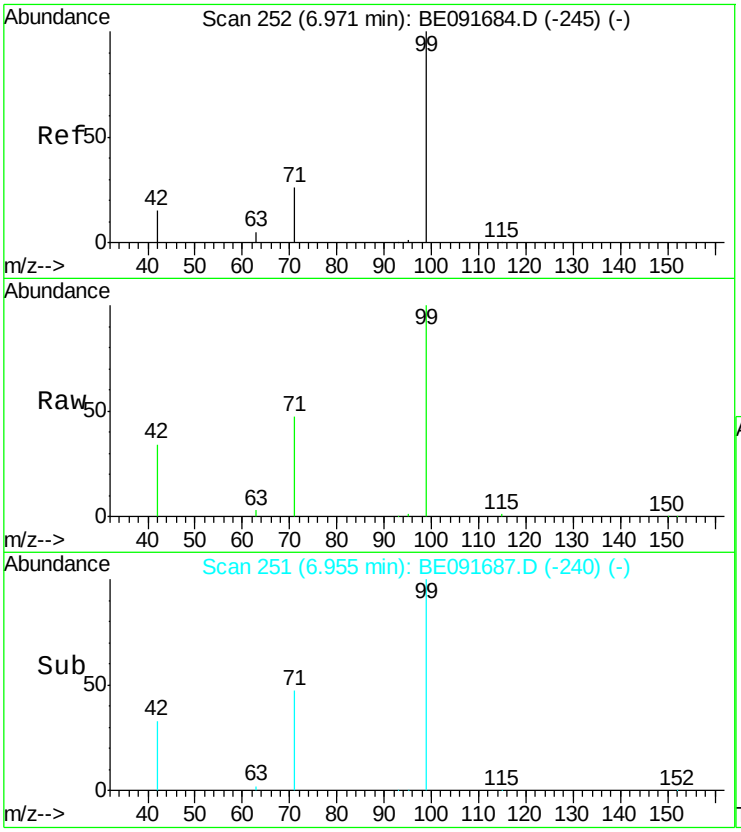


#4
2-Fluorophenol
Concen: 3.31 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:112 Resp: 22606

Ion	Ratio	Lower	Upper
112	100		
64	67.4	30.9	46.3#
63	36.8	16.7	25.1#



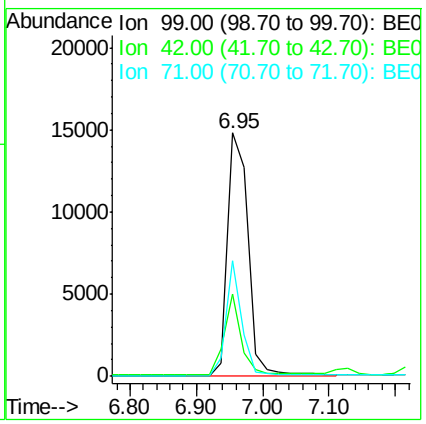


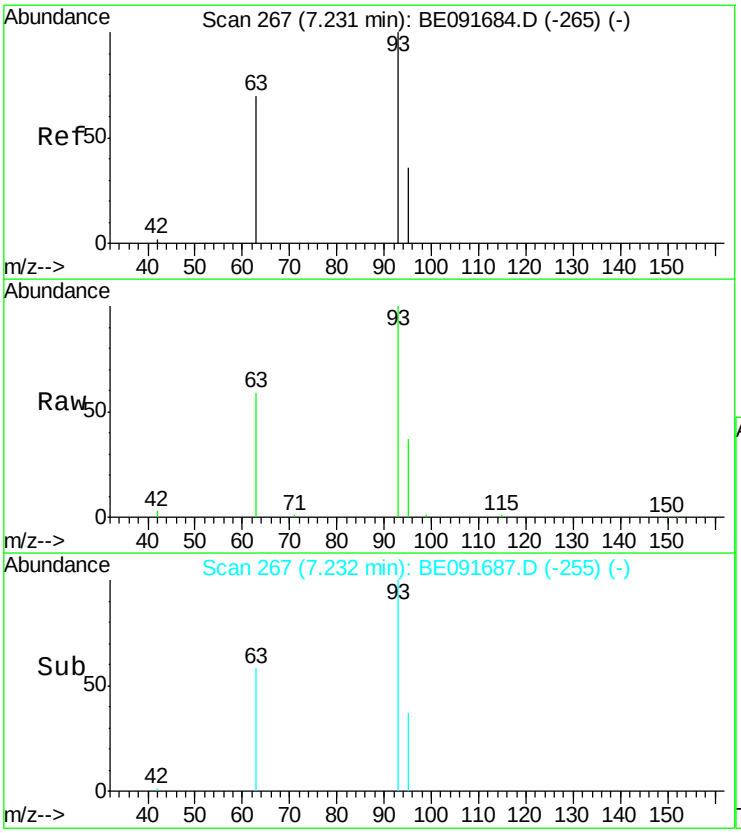
#5
Phenol-d6
Concen: 3.45 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 31730

Ion	Ratio	Lower	Upper
99	100		
42	27.2	16.2	24.2#
71	36.2	29.0	43.4

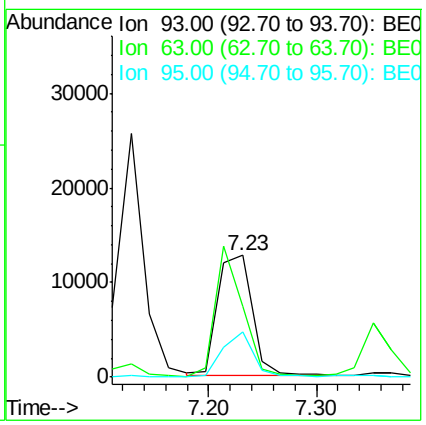


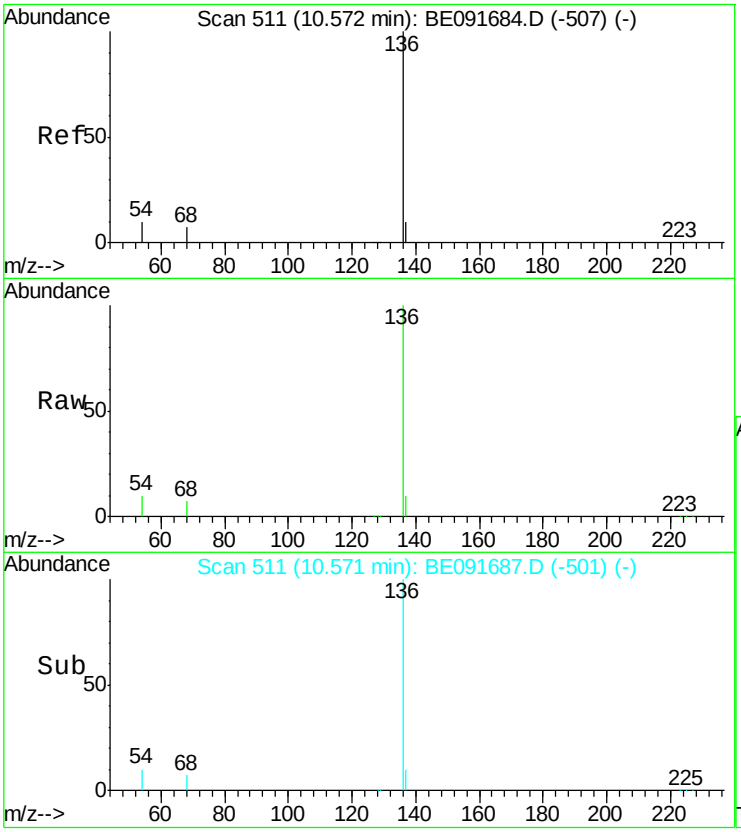


#6
bis(2-Chloroethyl)ether
Concen: 3.32 ng
RT: 7.23 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion: 93 Resp: 28105

Ion	Ratio	Lower	Upper
93	100		
63	86.0	49.5	74.3#
95	32.3	22.2	33.4



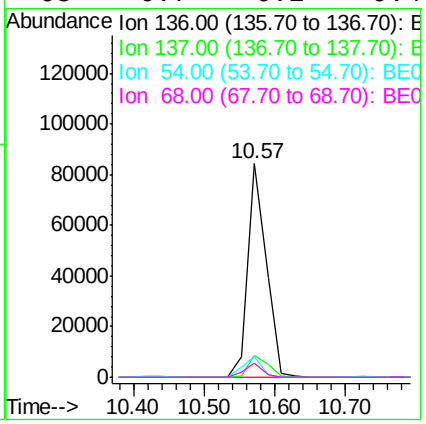


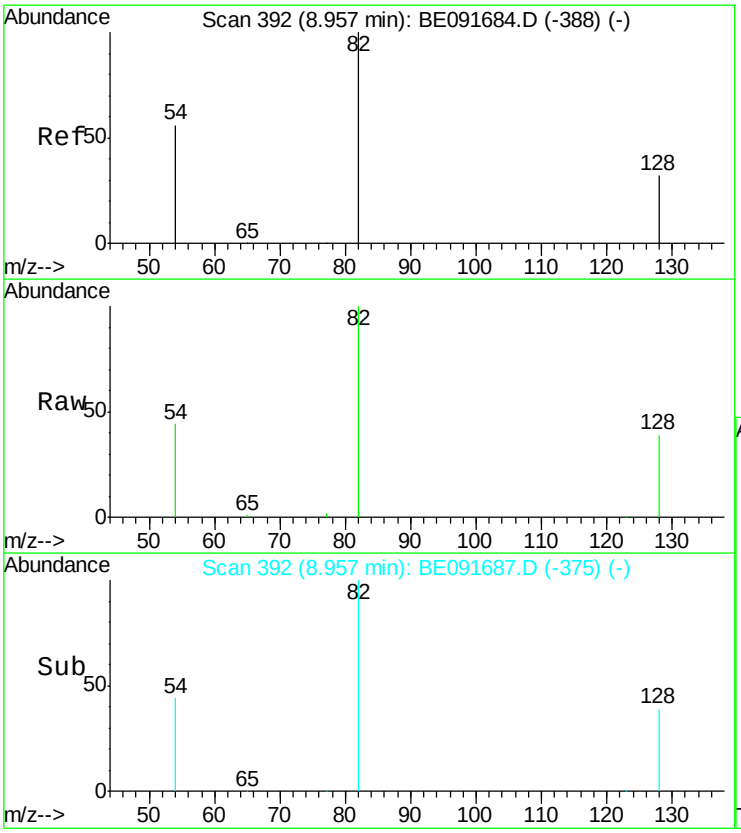
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 155147

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	9.7	8.2	12.4
68	6.7	6.2	9.4

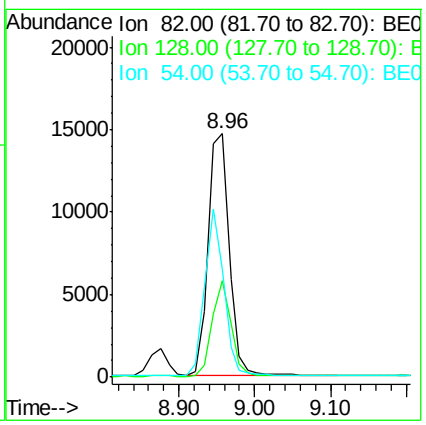


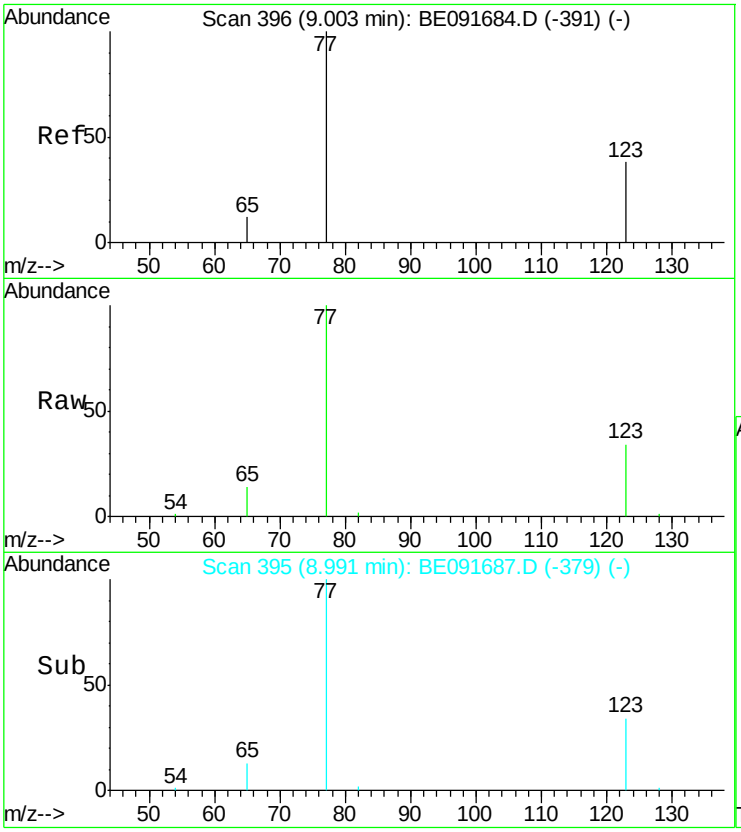


#8
Nitrobenzene-d5
Concen: 3.58 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion: 82 Resp: 28489

Ion	Ratio	Lower	Upper
82	100		
128	39.4	25.4	38.0#
54	44.3	48.4	72.6#



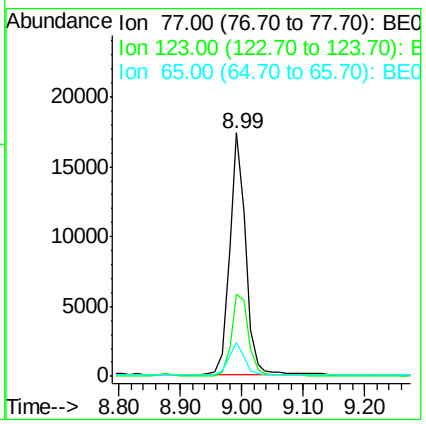


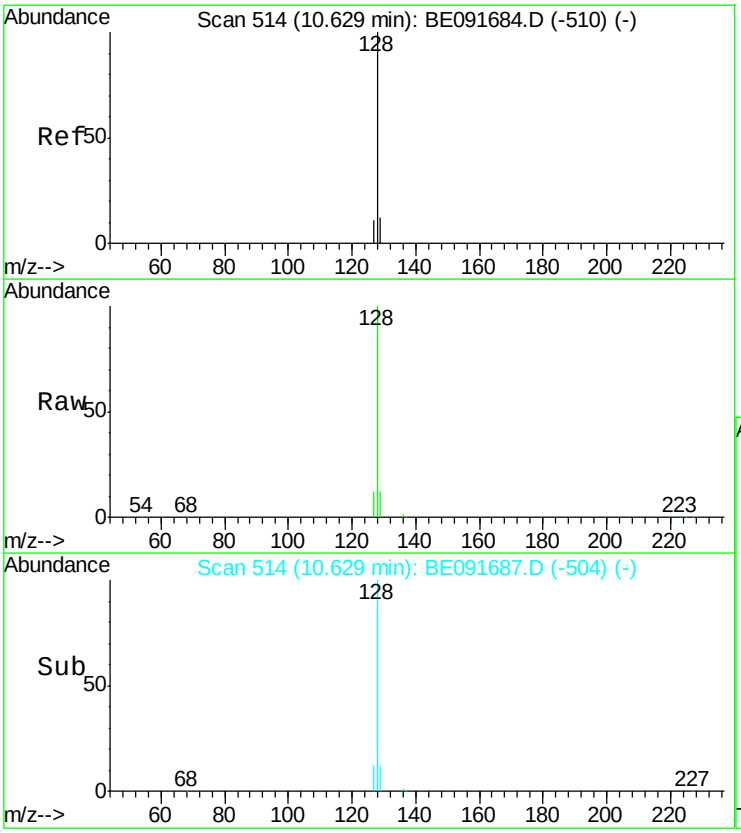
#9
Nitrobenzene
Concen: 3.86 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 77 Resp: 30890

Ion	Ratio	Lower	Upper
77	100		
123	36.6	26.9	40.3
65	13.8	9.4	14.2

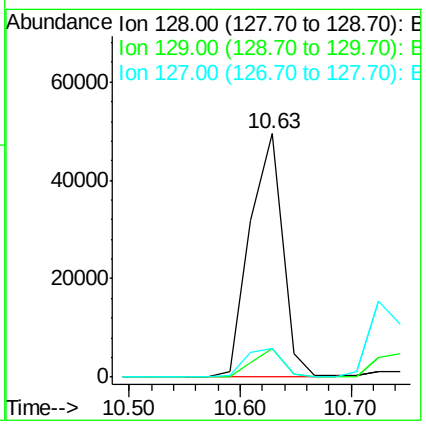


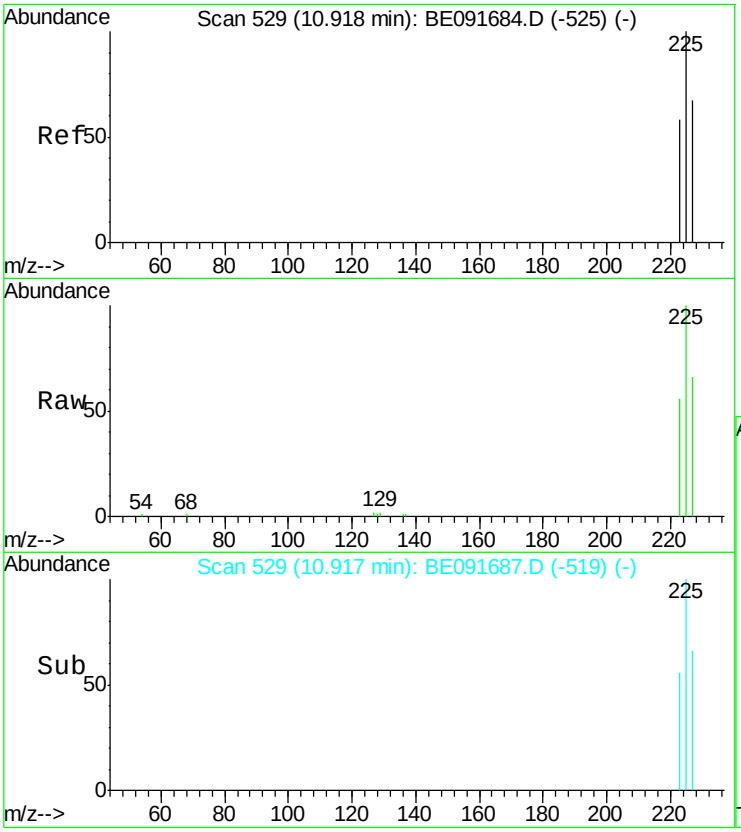


#10
Naphthalene
Concen: 3.19 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:128 Resp: 100843

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	11.7	10.7	16.1



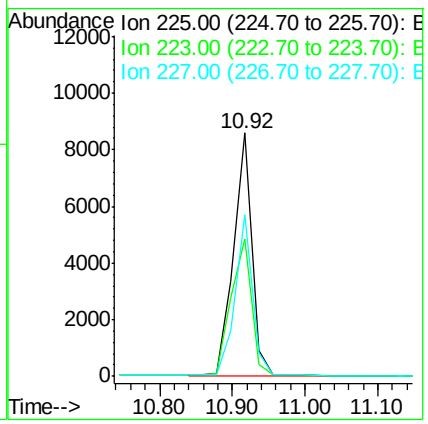


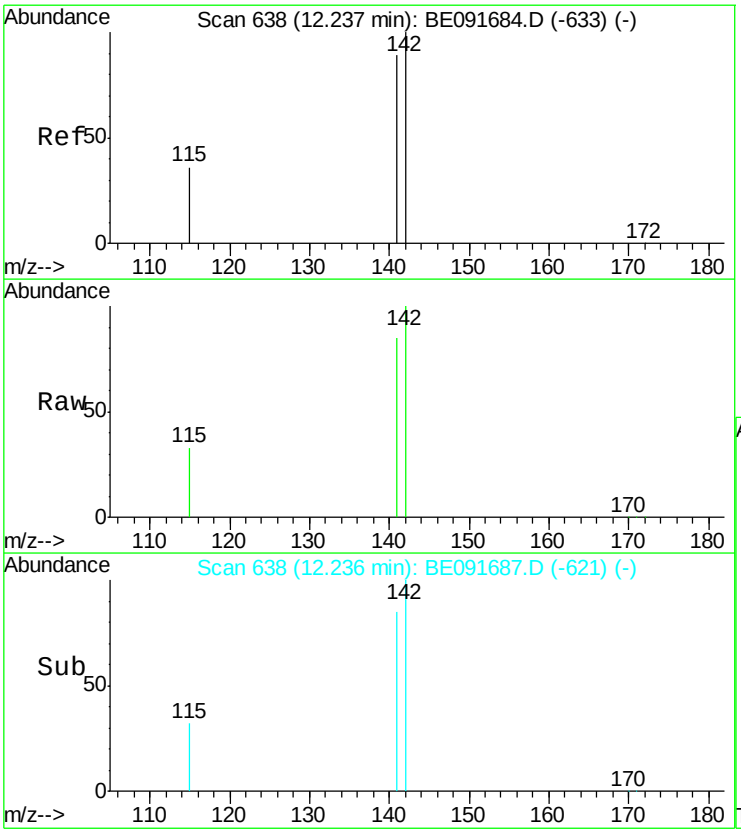
#11
Hexachlorobutadiene
Concen: 3.55 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:225 Resp: 16248

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.0	73.6
227	64.1	50.3	75.5

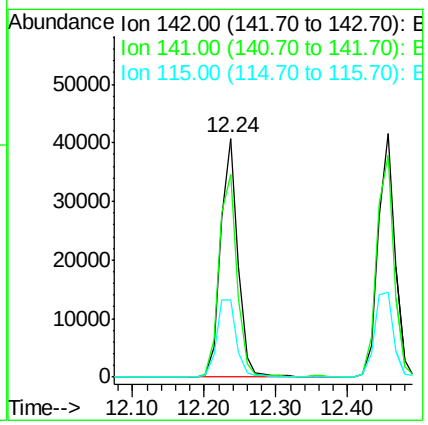


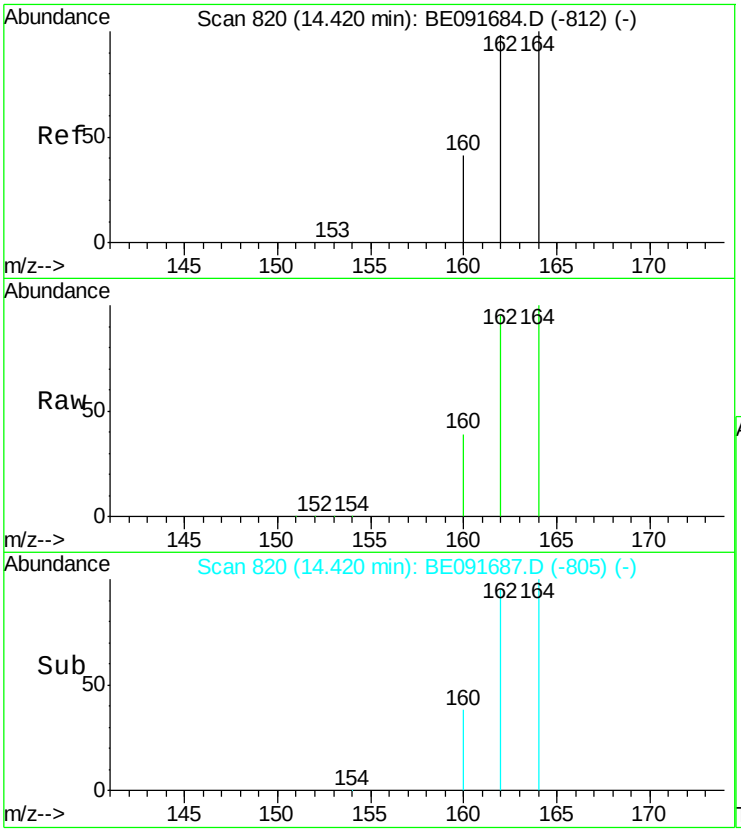


#12
2-Methylnaphthalene
Concen: 3.34 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:142 Resp: 67291

Ion	Ratio	Lower	Upper
142	100		
141	85.0	71.4	107.0
115	32.6	30.3	45.5



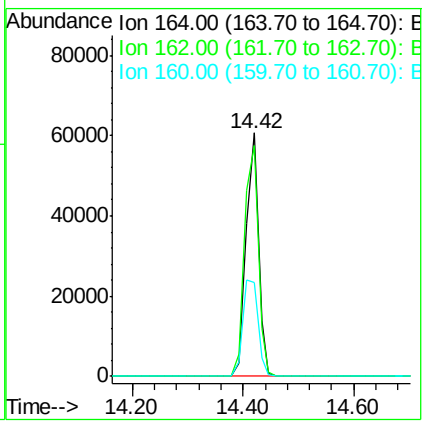


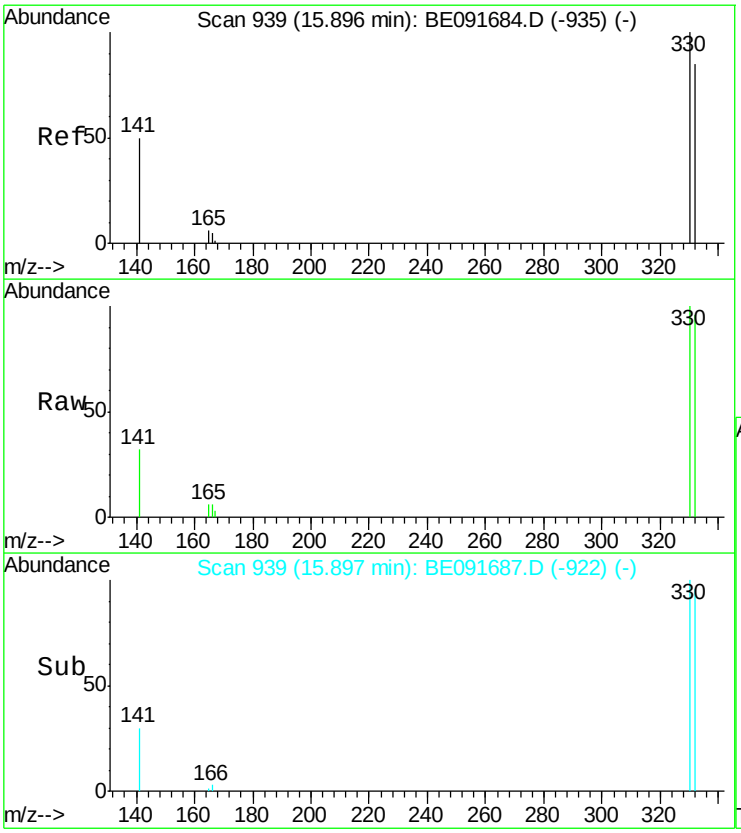
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 94725

Ion	Ratio	Lower	Upper
164	100		
162	94.9	85.3	127.9
160	38.5	46.2	69.2#

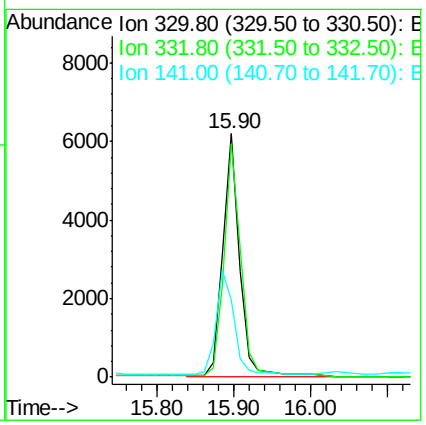


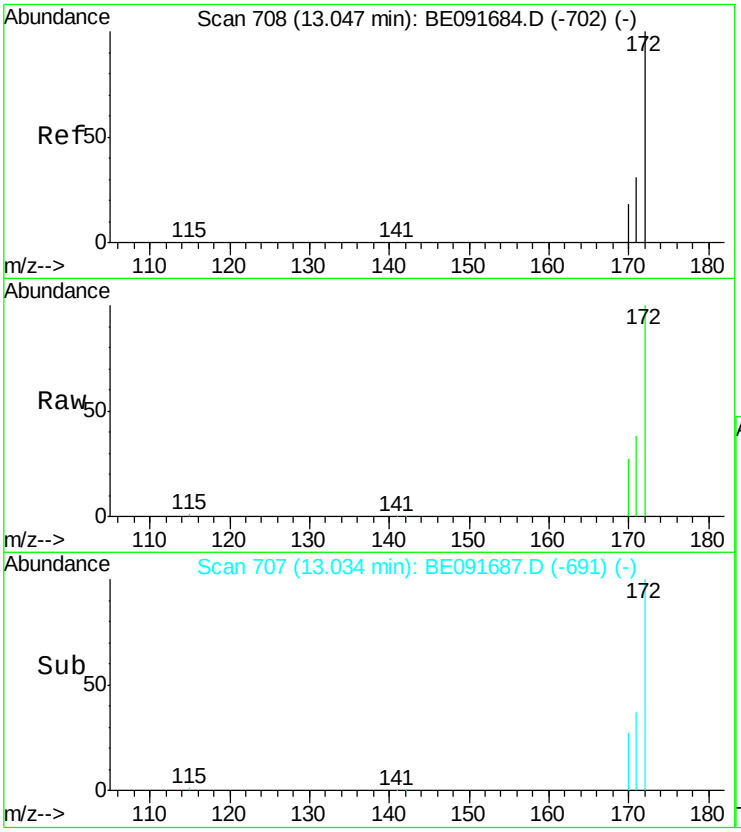


#14
2,4,6-Tribromophenol
Concen: 5.30 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:330 Resp: 10618

Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	39.3	125.4	188.0#



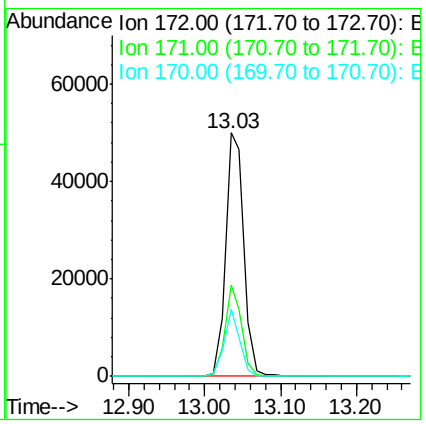


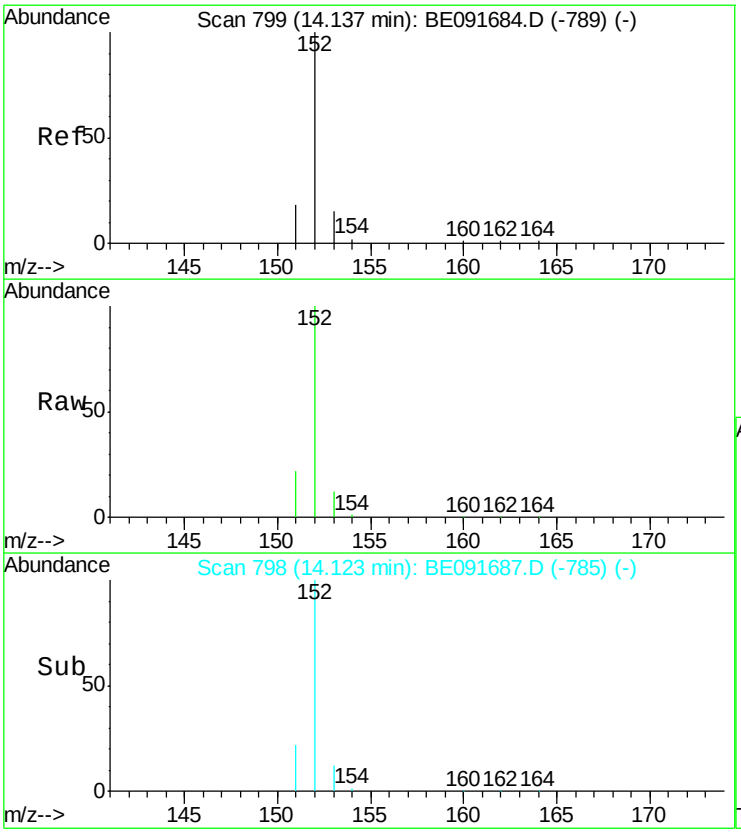
#15
2-Fluorobiphenyl
Concen: 3.21 ng
RT: 13.03 min Scan# 707
Delta R.T. -0.01 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 84803

Ion	Ratio	Lower	Upper
172	100		
171	37.7	28.8	43.2
170	27.3	19.3	28.9

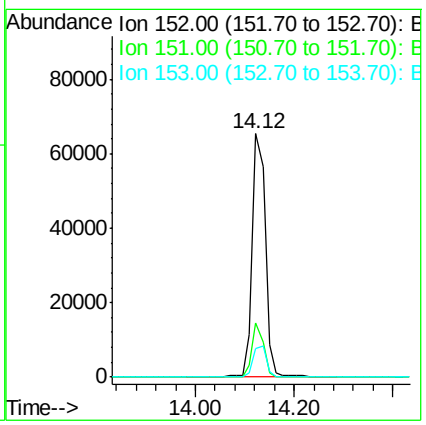


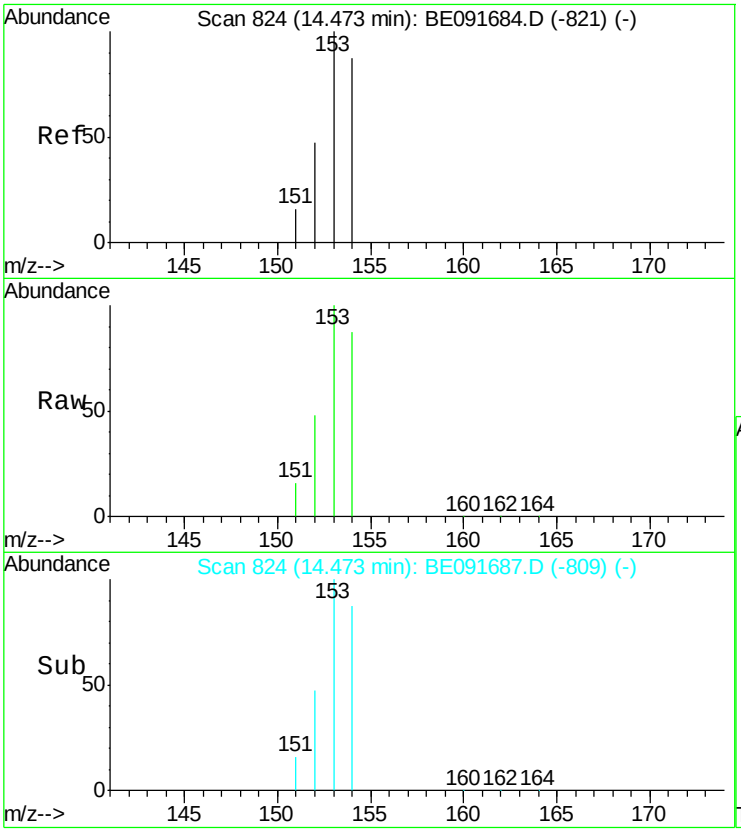


#16
Acenaphthylene
Concen: 3.66 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.01 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:152 Resp: 127649

Ion	Ratio	Lower	Upper
152	100		
151	20.3	3.9	5.9#
153	13.8	10.3	15.5



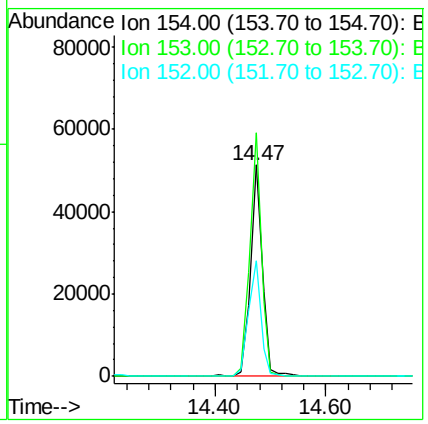


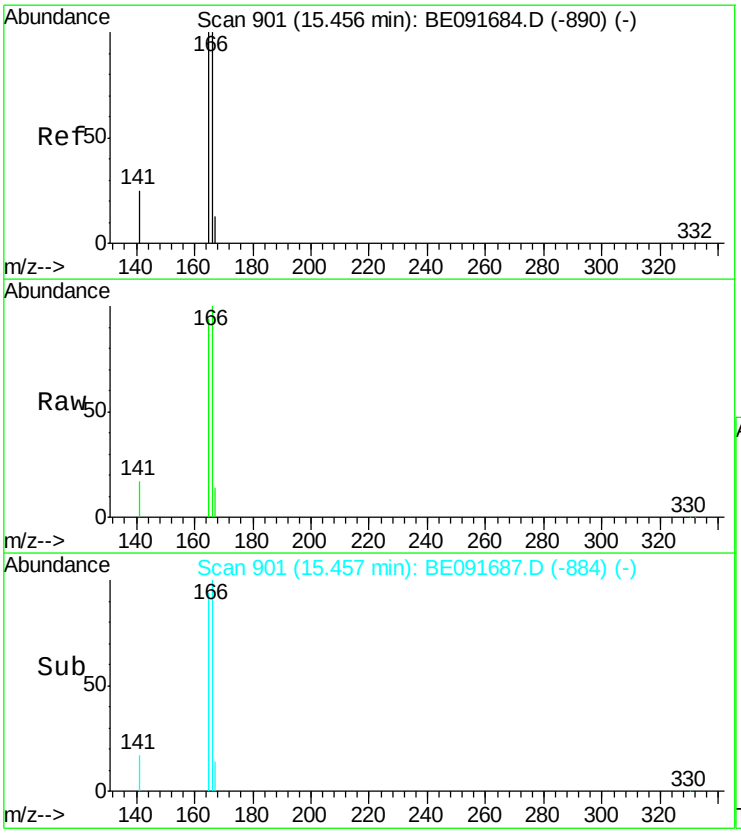
#17
Acenaphthene
Concen: 3.26 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 76041

Ion	Ratio	Lower	Upper
154	100		
153	112.7	80.0	120.0
152	56.2	40.0	60.0

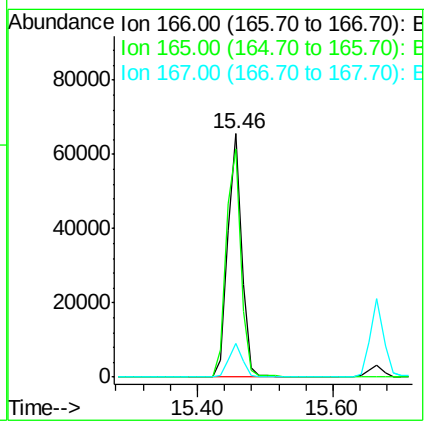


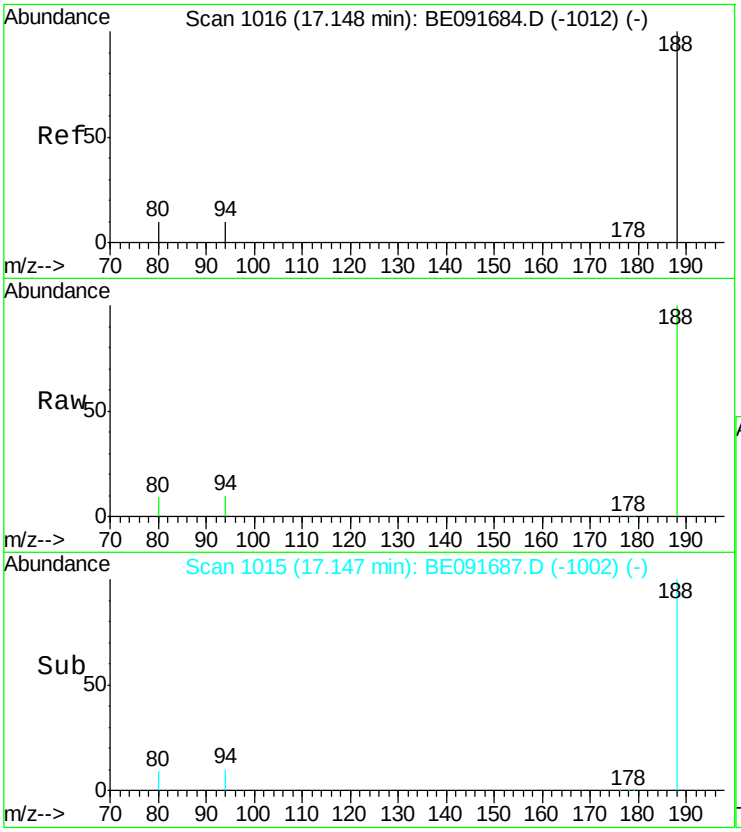


#18
Fluorene
Concen: 3.38 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:166 Resp: 96392

Ion	Ratio	Lower	Upper
166	100		
165	98.7	80.8	121.2
167	13.6	10.9	16.3



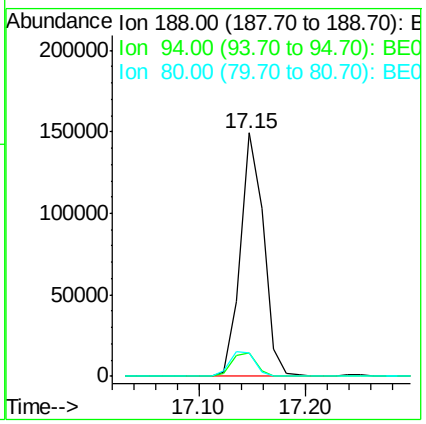


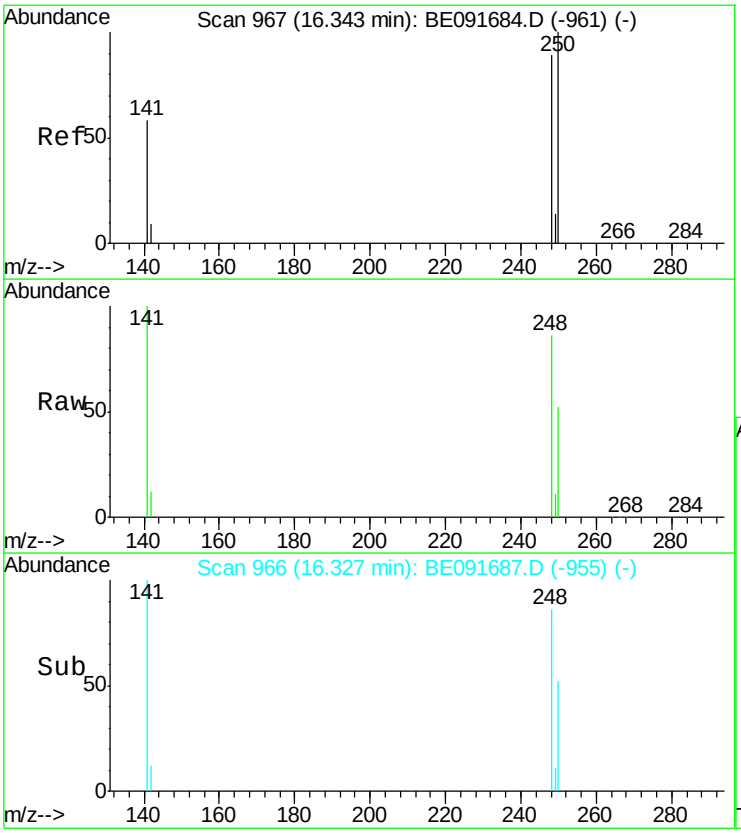
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 223179

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.7	13.1
80	9.4	9.4	14.0

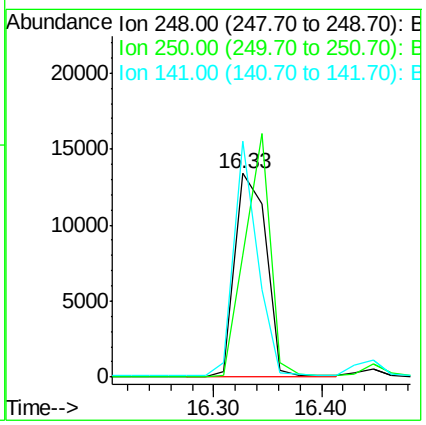


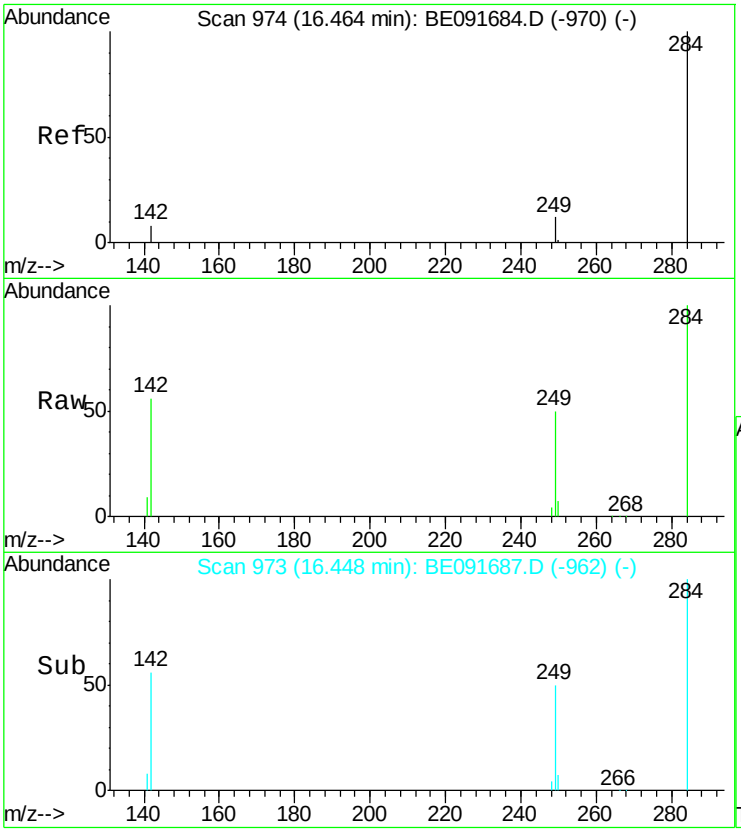


#20
4-Bromophenyl-phenylether
Concen: 3.44 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:248 Resp: 26597

Ion	Ratio	Lower	Upper
248	100		
250	98.2	80.5	120.7
141	87.0	72.0	108.0



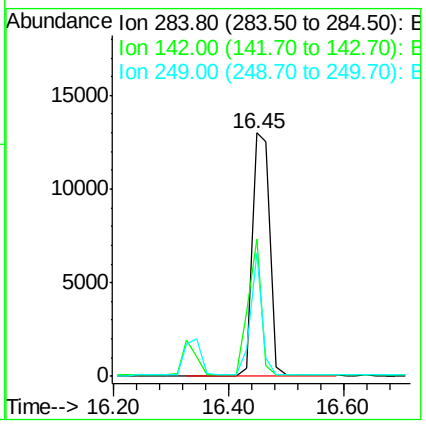


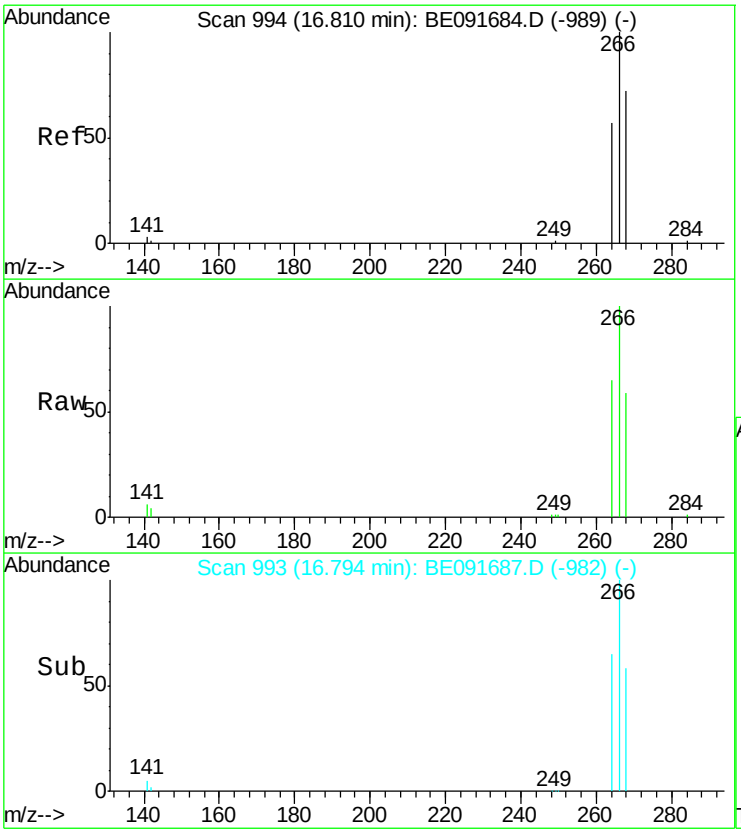
#21
Hexachlorobenzene
Concen: 3.34 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 27392

Ion	Ratio	Lower	Upper
284	100		
142	42.6	32.2	48.2
249	33.5	25.4	38.2

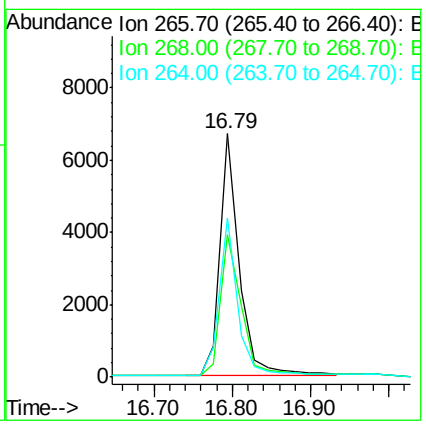


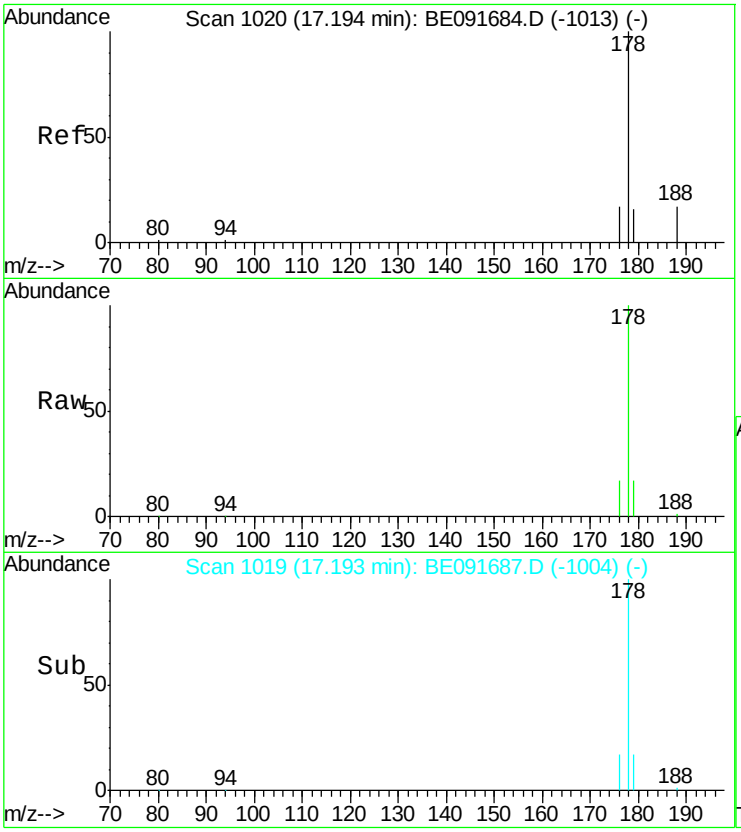


#22
Pentachlorophenol
Concen: 4.14 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:266 Resp: 11257

Ion	Ratio	Lower	Upper
266	100		
268	58.6	58.2	87.2
264	65.3	56.2	84.4



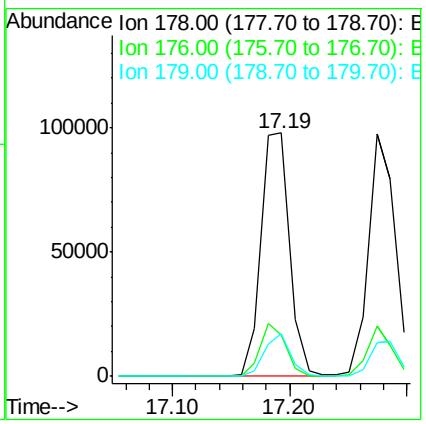


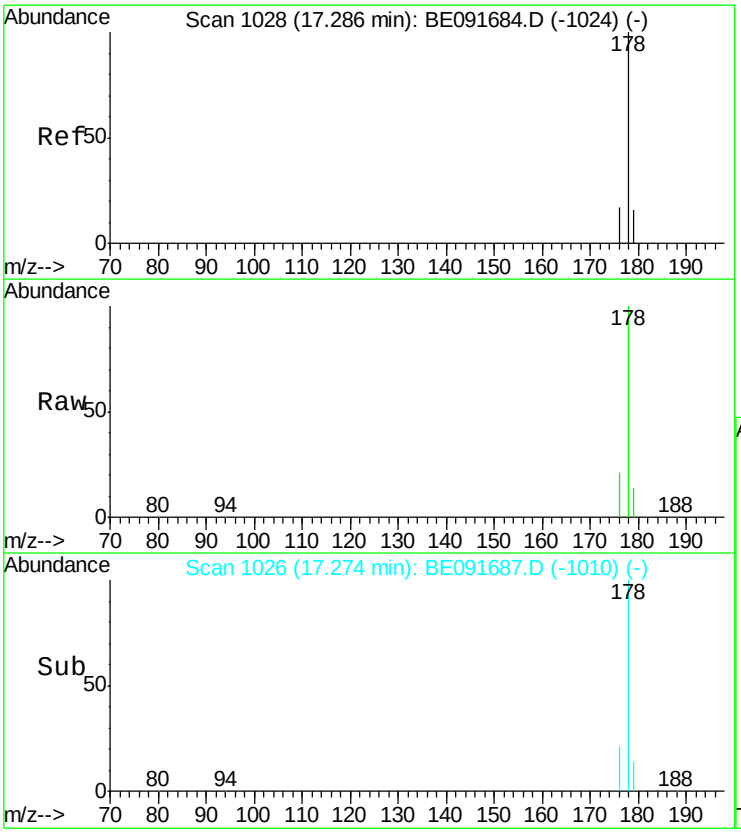
#23
Phenanthrene
Concen: 3.29 ng
RT: 17.19 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 166843

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.7	12.6	18.8

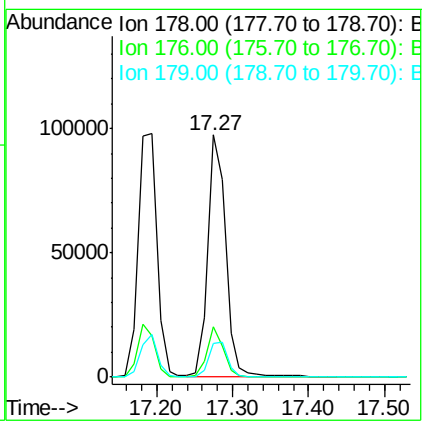


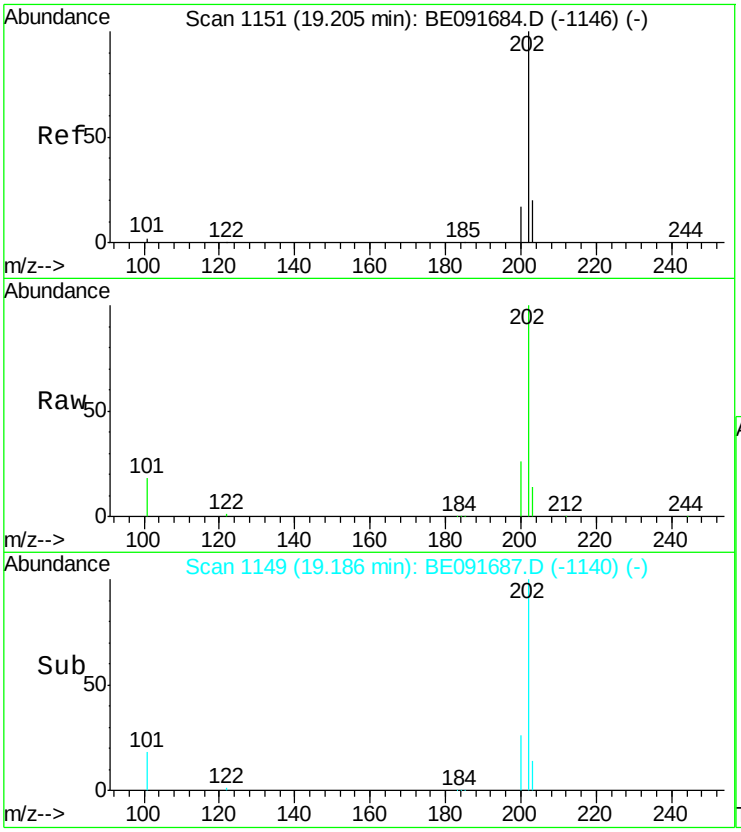


#24
Anthracene
Concen: 3.50 ng
RT: 17.27 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:178 Resp: 157705

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	15.4	11.8	17.6



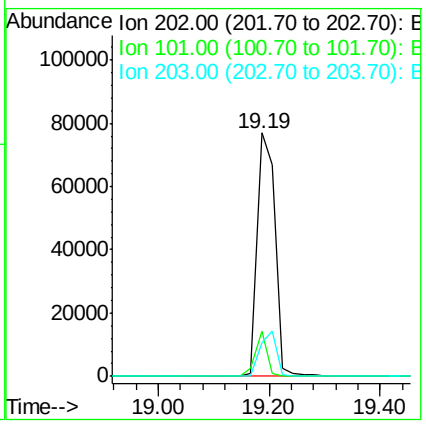


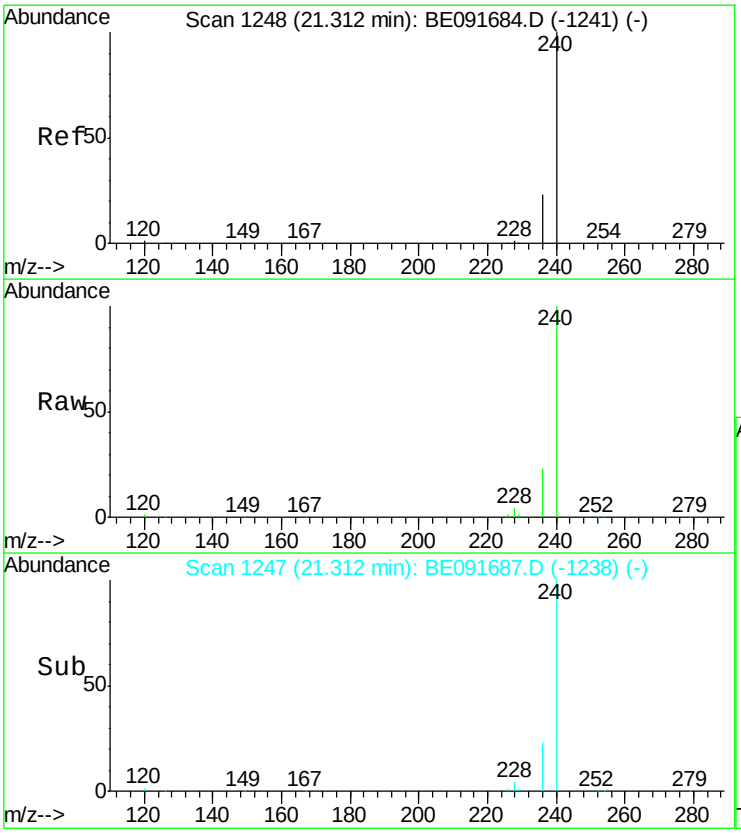
#25
Fluoranthene
Concen: 3.41 ng
RT: 19.19 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 172009

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

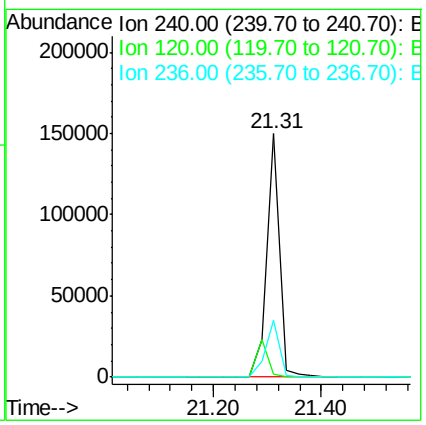


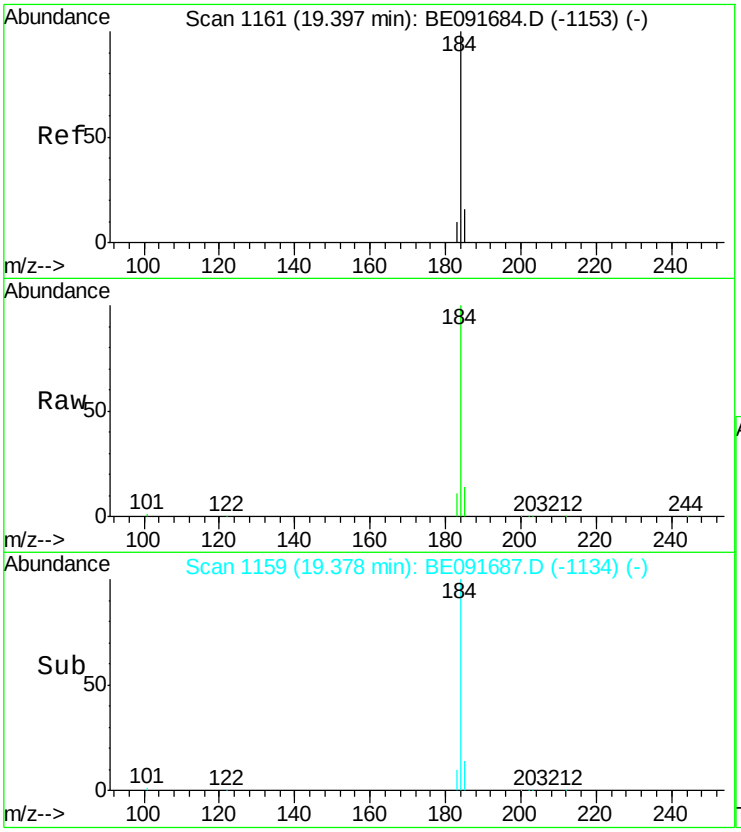


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:240 Resp: 248818

Ion	Ratio	Lower	Upper
240	100		
120	1.2	11.0	16.4#
236	23.1	21.7	32.5



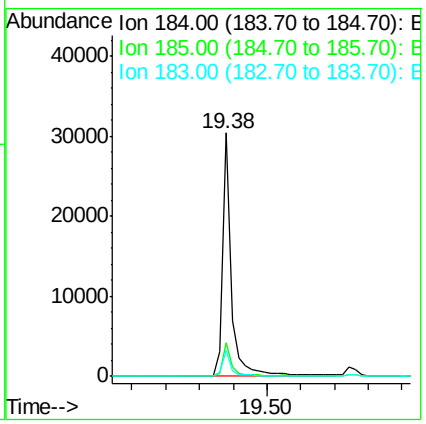


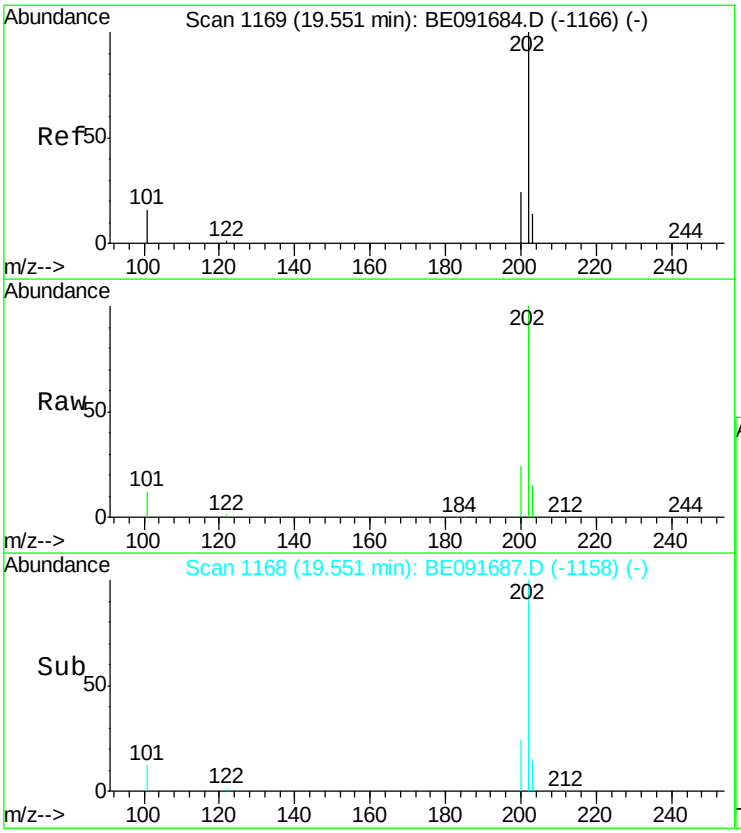
#27
Benzidine
Concen: 3.03 ng
RT: 19.38 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:184 Resp: 54697

Ion	Ratio	Lower	Upper
184	100		
185	14.1	22.3	33.5#
183	10.6	16.4	24.6#

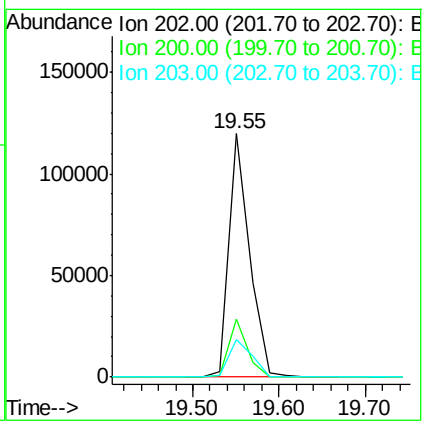


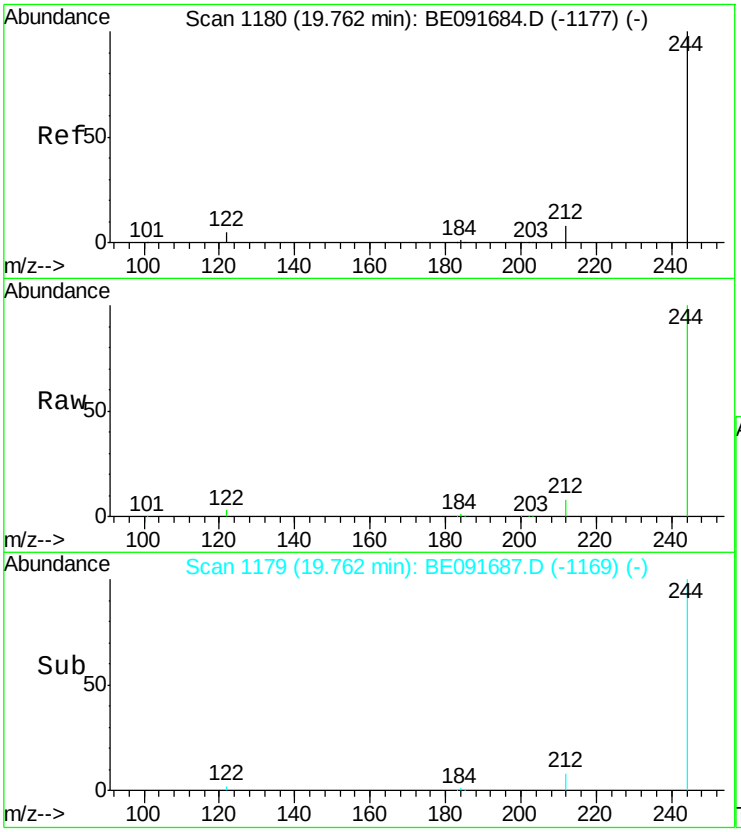


#28
Pyrene
Concen: 3.98 ng
RT: 19.55 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:202 Resp: 197768

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	17.3	14.0	21.0



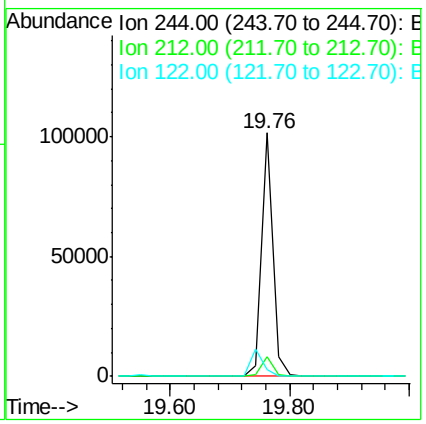


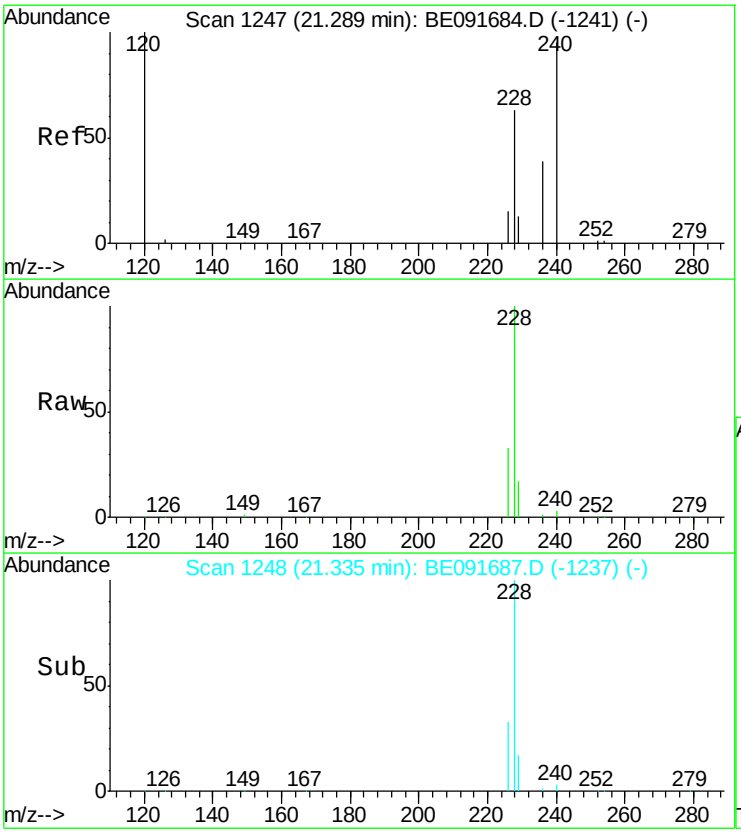
#29
Terphenyl-d14
Concen: 3.93 ng
RT: 19.76 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 133408

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.9	10.3
122	2.6	11.0	16.4#

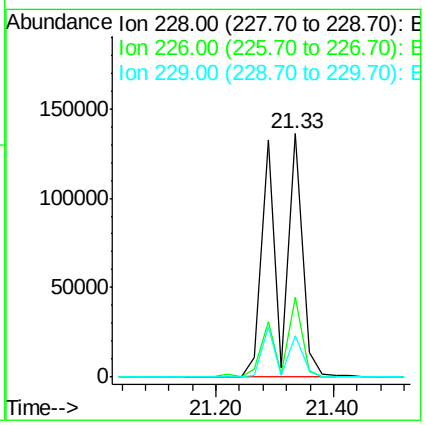


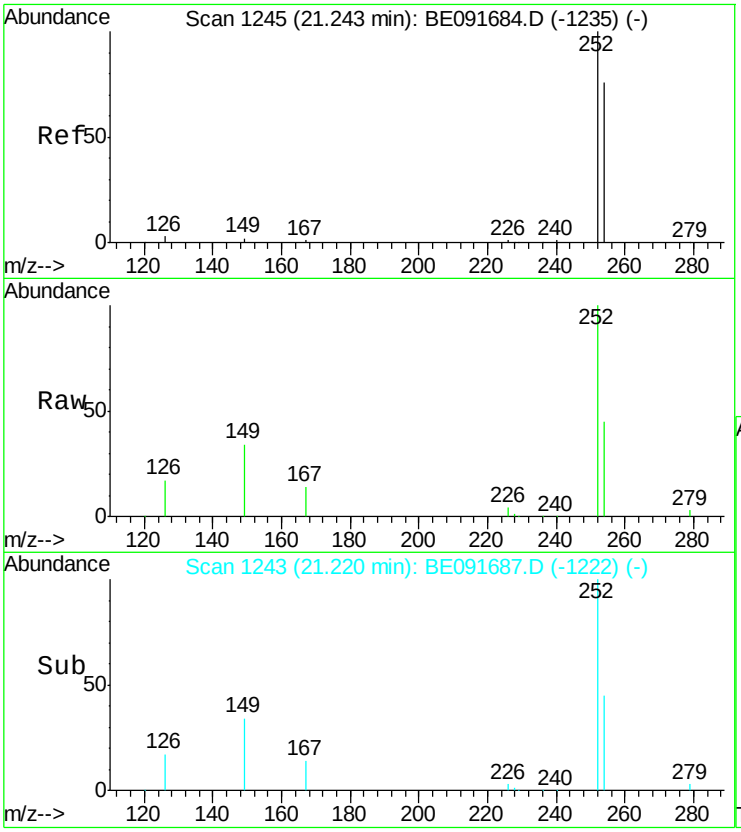


#30
Benzo(a)anthracene
Concen: 7.21 ng
RT: 21.33 min Scan# 1248
Delta R.T. 0.05 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:228 Resp: 416291

Ion	Ratio	Lower	Upper
228	100		
226	32.8	21.0	31.4#
229	17.2	15.7	23.5



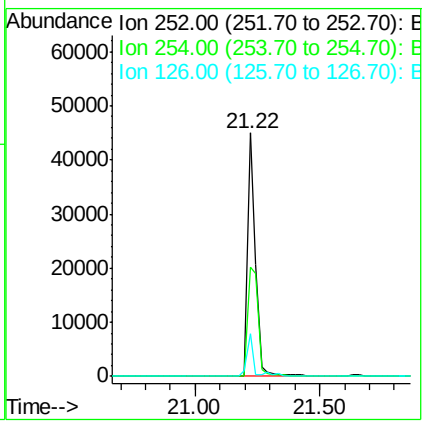


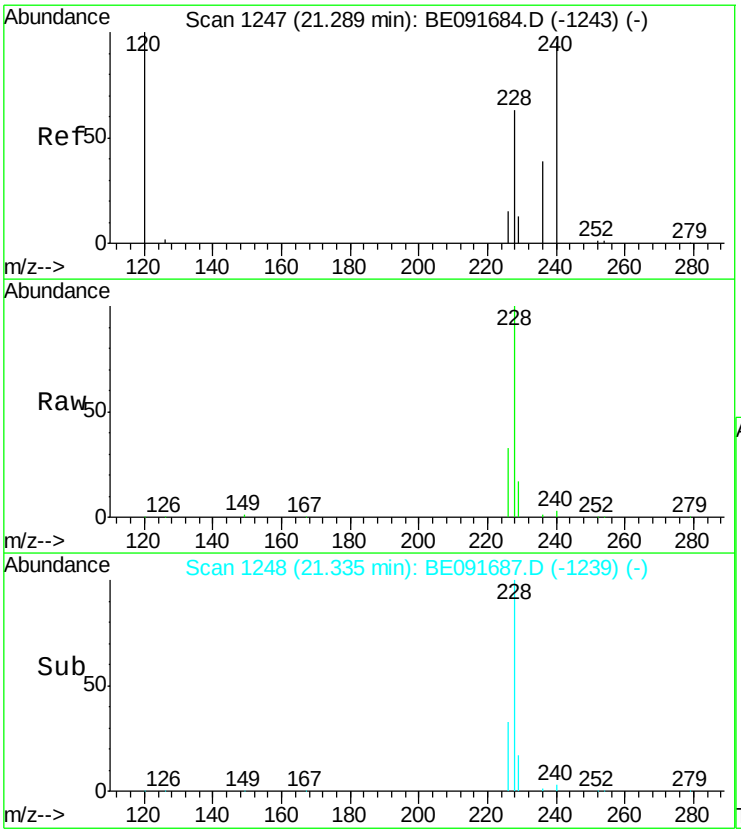
#31
3,3'-Dichlorobenzidine
Concen: 4.30 ng
RT: 21.22 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 97247

Ion	Ratio	Lower	Upper
252	100		
254	45.0	51.1	76.7#
126	17.4	12.6	18.8

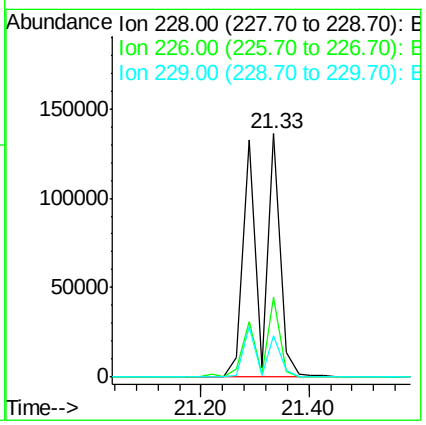


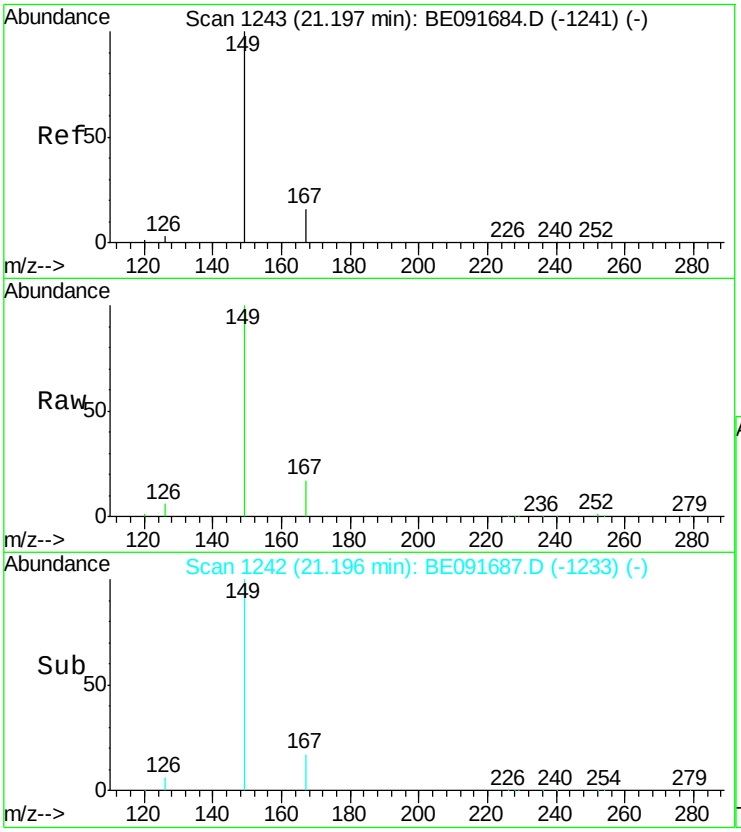


#32
Chrysene
Concen: 7.14 ng
RT: 21.33 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:228 Resp: 417882

Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.0	36.0
229	17.2	15.9	23.9



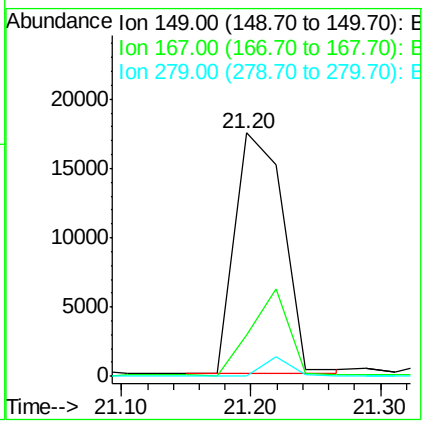


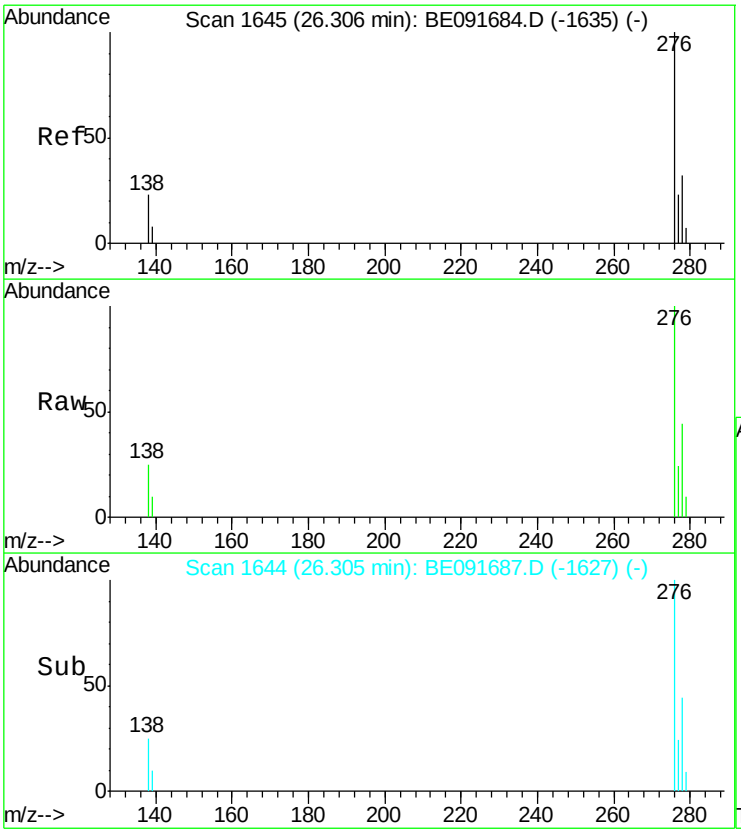
#33
Bis(2-ethylhexyl)phthalate
Concen: 4.32 ng
RT: 21.20 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:149 Resp: 45708

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

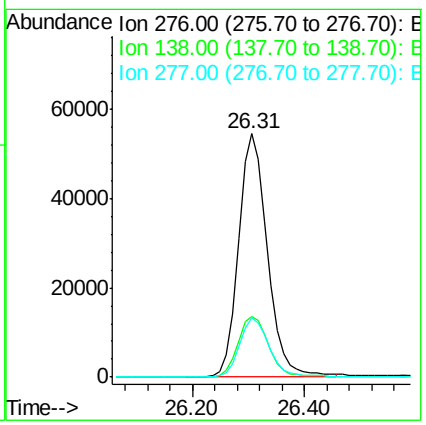


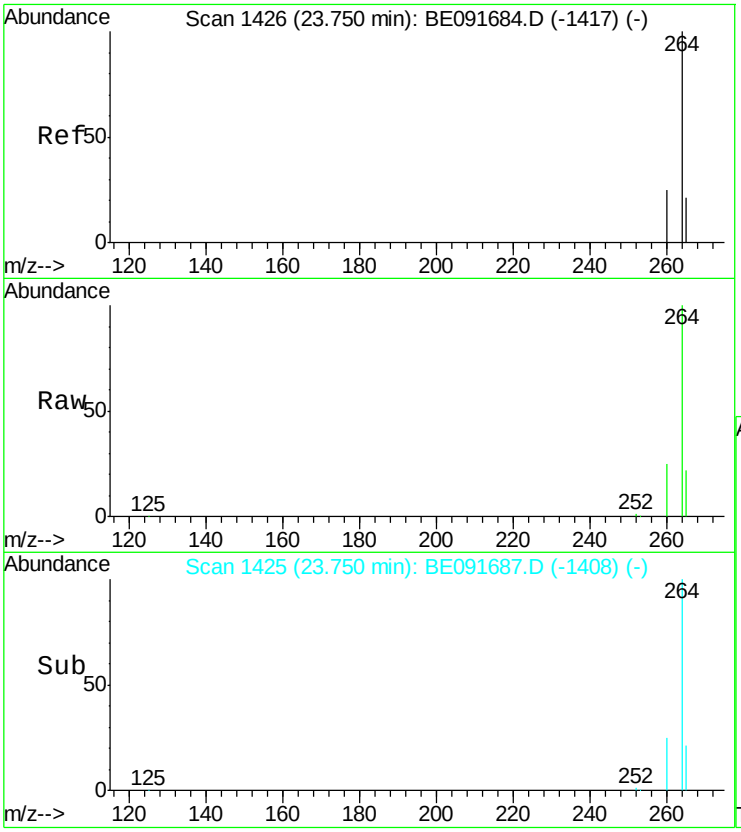


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.70 ng
RT: 26.31 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:276 Resp: 196984

Ion	Ratio	Lower	Upper
276	100		
138	26.3	23.4	35.2
277	24.6	19.8	29.8



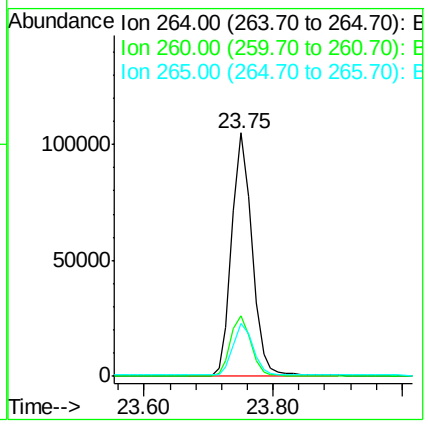


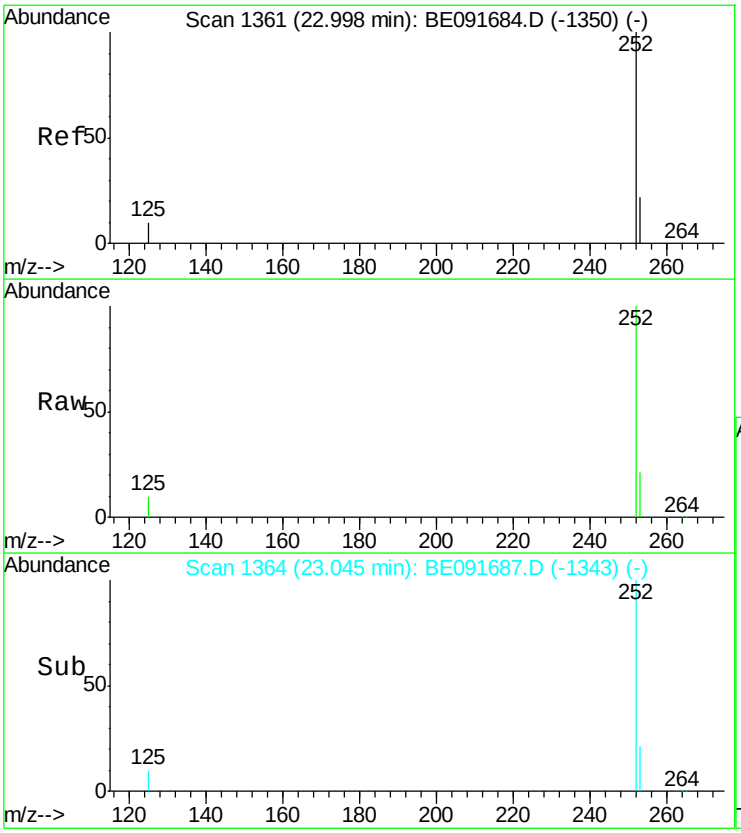
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 230068

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	21.6	17.5	26.3

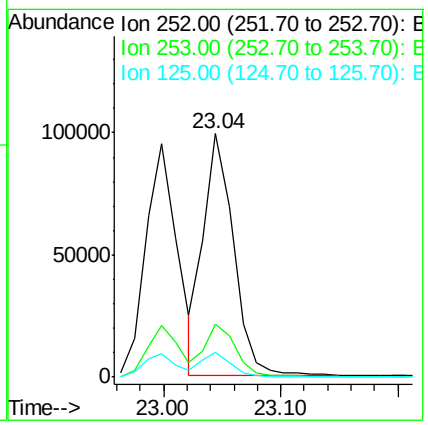


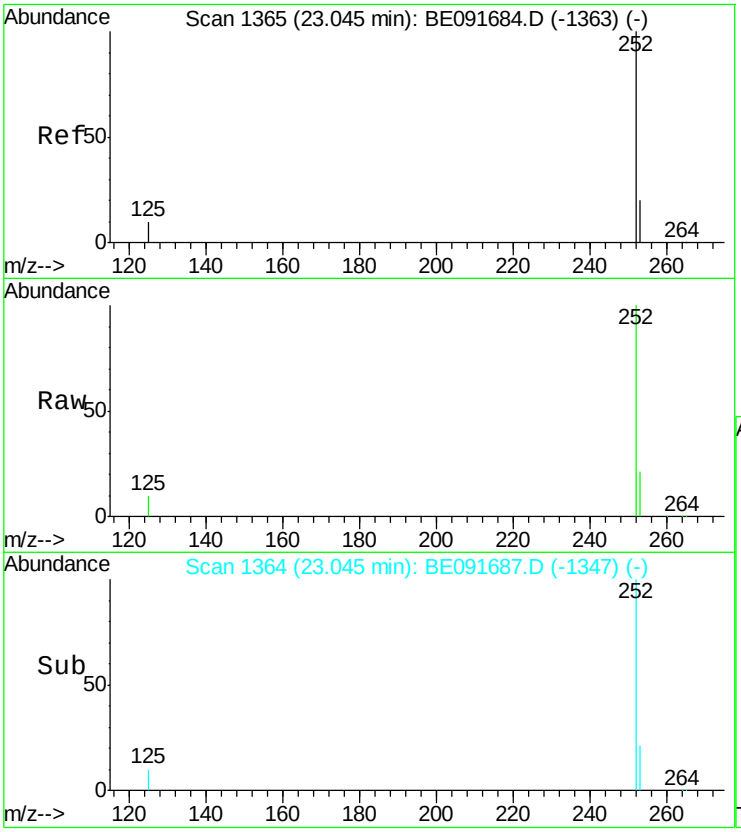


#36
Benzo(b)fluoranthene
Concen: 3.49 ng
RT: 23.04 min Scan# 1364
Delta R.T. 0.05 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:252 Resp: 176697

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	10.3	10.2	15.2



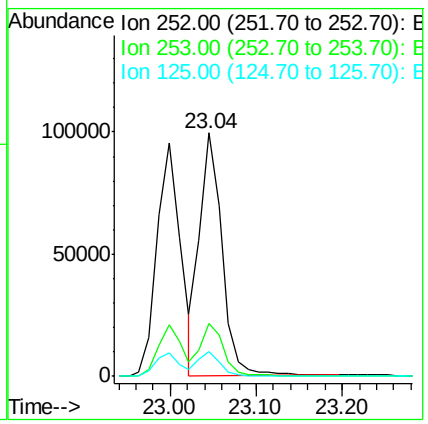


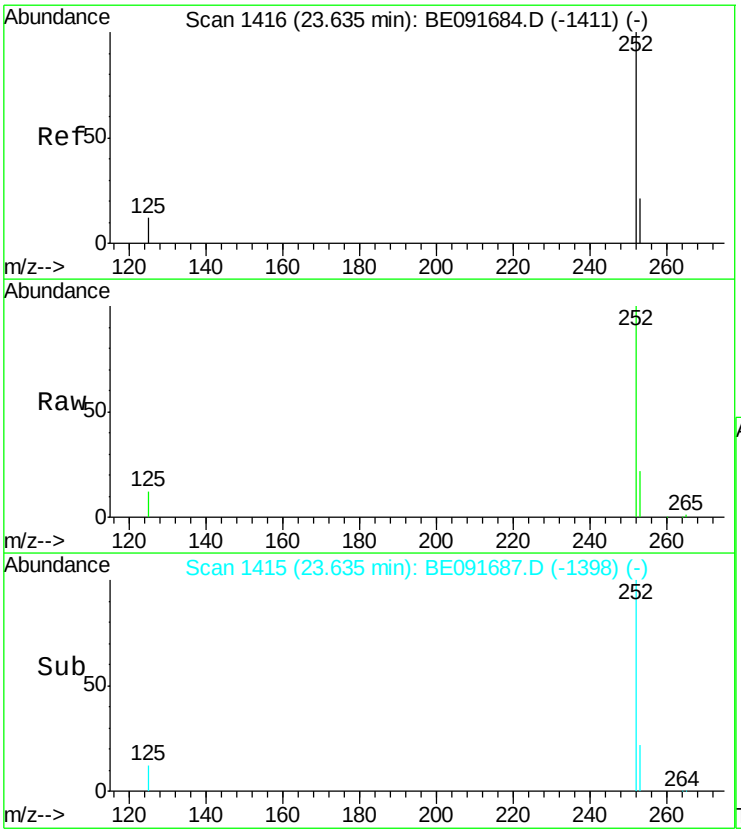
#37
Benzo(k)fluoranthene
Concen: 3.34 ng
RT: 23.04 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 179418

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.3	9.9	14.9

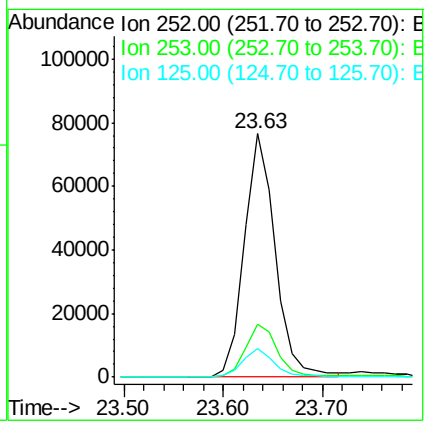


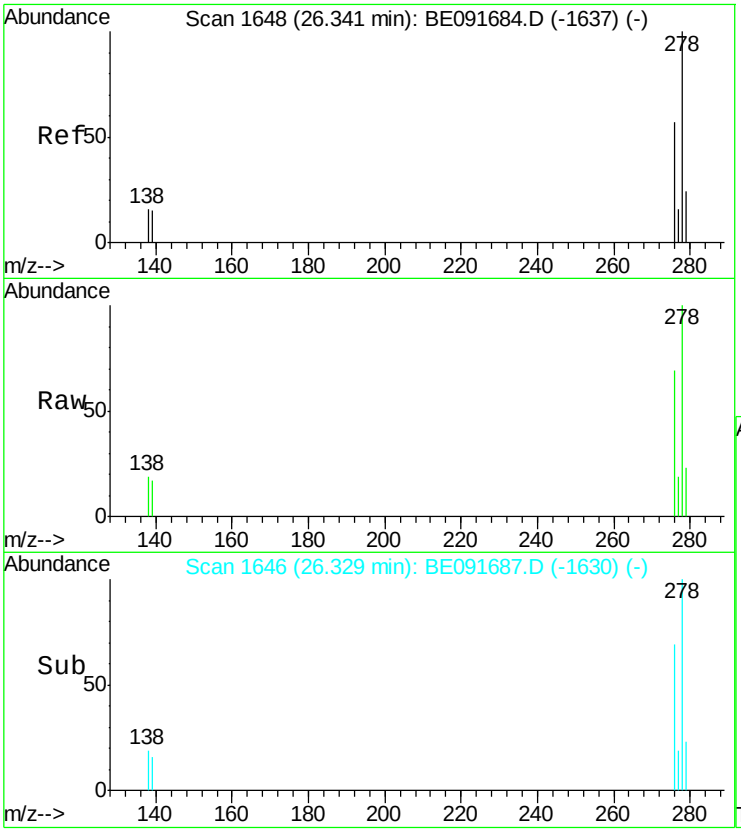


#38
Benzo(a)pyrene
Concen: 3.46 ng
RT: 23.63 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:252 Resp: 163422

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	11.7	11.0	16.4



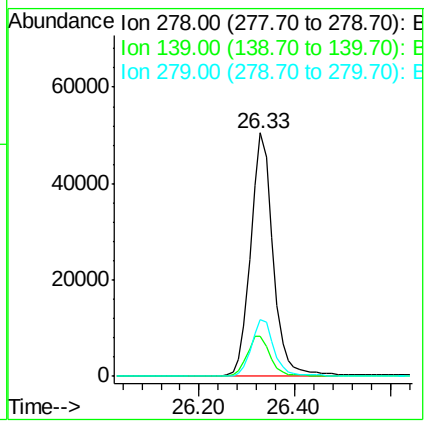


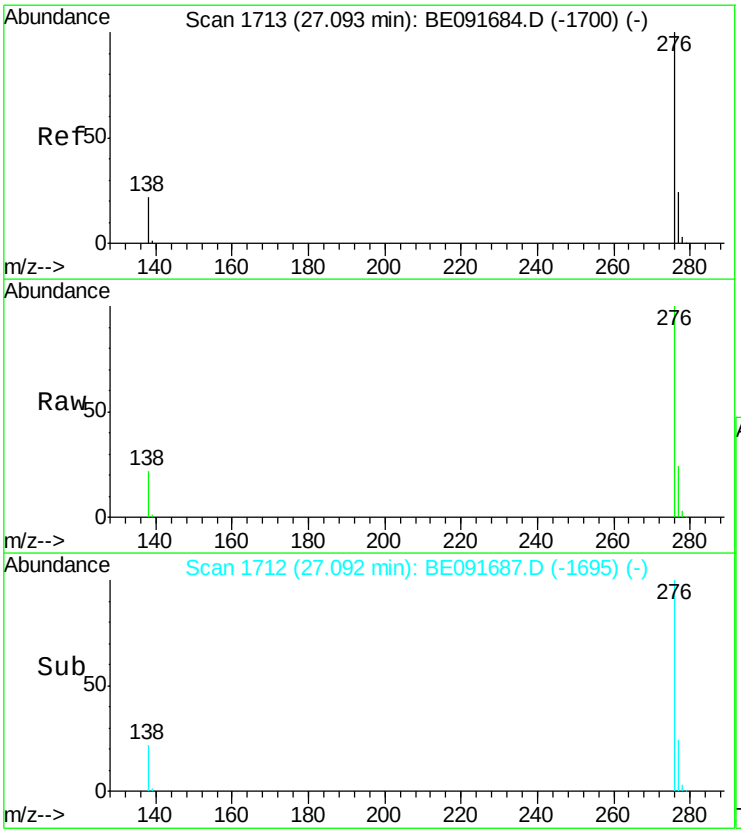
#39
Dibenzo(a,h)anthracene
Concen: 3.55 ng
RT: 26.33 min Scan# 1646
Delta R.T. -0.01 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:278 Resp: 163666

Ion	Ratio	Lower	Upper
278	100		
139	16.6	16.0	24.0
279	23.4	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 3.43 ng
RT: 27.09 min Scan# 1712
Delta R.T. -0.00 min
Lab File: BE091687.D
Acq: 20 Apr 2016 16:18

Tgt Ion:276 Resp: 163977

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	22.3	20.4	30.6