Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092315\
Data File : BE090958.D
Acq On : 23 Sep 2015 20:33
Operator : UM/IZ
Sample : G3651-06MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : CPS033031MS

Quant Time: Sep 24 02:15:57 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	35344	5.00	ng		0.00
7) Naphthalene-d8	10.29	136	171208	5.00	ng		0.00
13) Acenaphthene-d10	14.16	164	95144	5.00	ng		-0.01
19) Phenanthrene-d10	16.91	188	213022	5.00	ng		0.00
26) Chrysene-d12	21.07	240	260746	5.00	ng		0.00
33) Perylene-d12	23.35	264	227800	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.17	112	12327	1.52	ng		0.00
5) Phenol-d6	6.76	99	10362	0.94	ng		0.00
8) Nitrobenzene-d5	8.69	82	33411	2.83	ng		-0.01
14) 2,4,6-Tribromophenol	15.67	330	18909	5.63	ng		-0.02
15) 2-Fluorobiphenyl	12.78	172	80630	2.99	ng		-0.02
28) Terphenyl-d14	19.52	244	138543	4.69	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.14	88	5258	1.00	ng		95
3) n-Nitrosodimethylamine	3.45	42	5720	0.82	ng	#	83
6) bis(2-Chloroethyl)ether	6.98	93	25074m	2.50	ng		
9) Nitrobenzene	8.73	77	34295	2.62	ng		97
10) Naphthalene	10.35	128	100240	2.98	ng		98
11) Hexachlorobutadiene	10.63	225	15383	3.07	ng		100
12) 2-Methylnaphthalene	11.97	142	68450	2.97	ng		99
16) Acenaphthylene	13.87	152	497025	3.00	ng		100
17) Acenaphthene	14.22	154	77650	3.04	ng		88
18) Fluorene	15.20	166	103678	3.54	ng		97
20) 4-Bromophenyl-phenylether	16.11	248	28279	3.43	ng		94
21) Hexachlorobenzene	16.23	284	130985	3.83	ng		97
22) Pentachlorophenol	16.58	266	19626	5.00	ng		96
23) Phenanthrene	16.94	178	183261	3.72	ng		99
24) Anthracene	17.03	178	172519	3.54	ng		100
25) Fluoranthene	18.95	202	223457	3.44	ng		99
27) Pyrene	19.31	202	240110	4.03	ng		99
29) Benzo(a)anthracene	21.05	228	219981	3.42	ng		99
30) Chrysene	21.10	228	236508	3.91	ng		98
31) Bis(2-ethylhexyl)phthalate	20.99	149	141665	4.77	ng		100
32) Indeno(1,2,3-cd)pyrene	25.70	276	230156	3.03	ng		99
34) Benzo(b)fluoranthene	22.65	252	191899	3.60	ng		99
35) Benzo(k)fluoranthene	22.70	252	241139	3.93	ng		99
36) Benzo(a)pyrene	23.24	252	201842	3.98	ng	#	91
37) Dibenzo(a,h)anthracene	25.72	278	187655	3.56	ng		99
38) Benzo(g,h,i)perylene	26.43	276	198906	3.52	ng		99

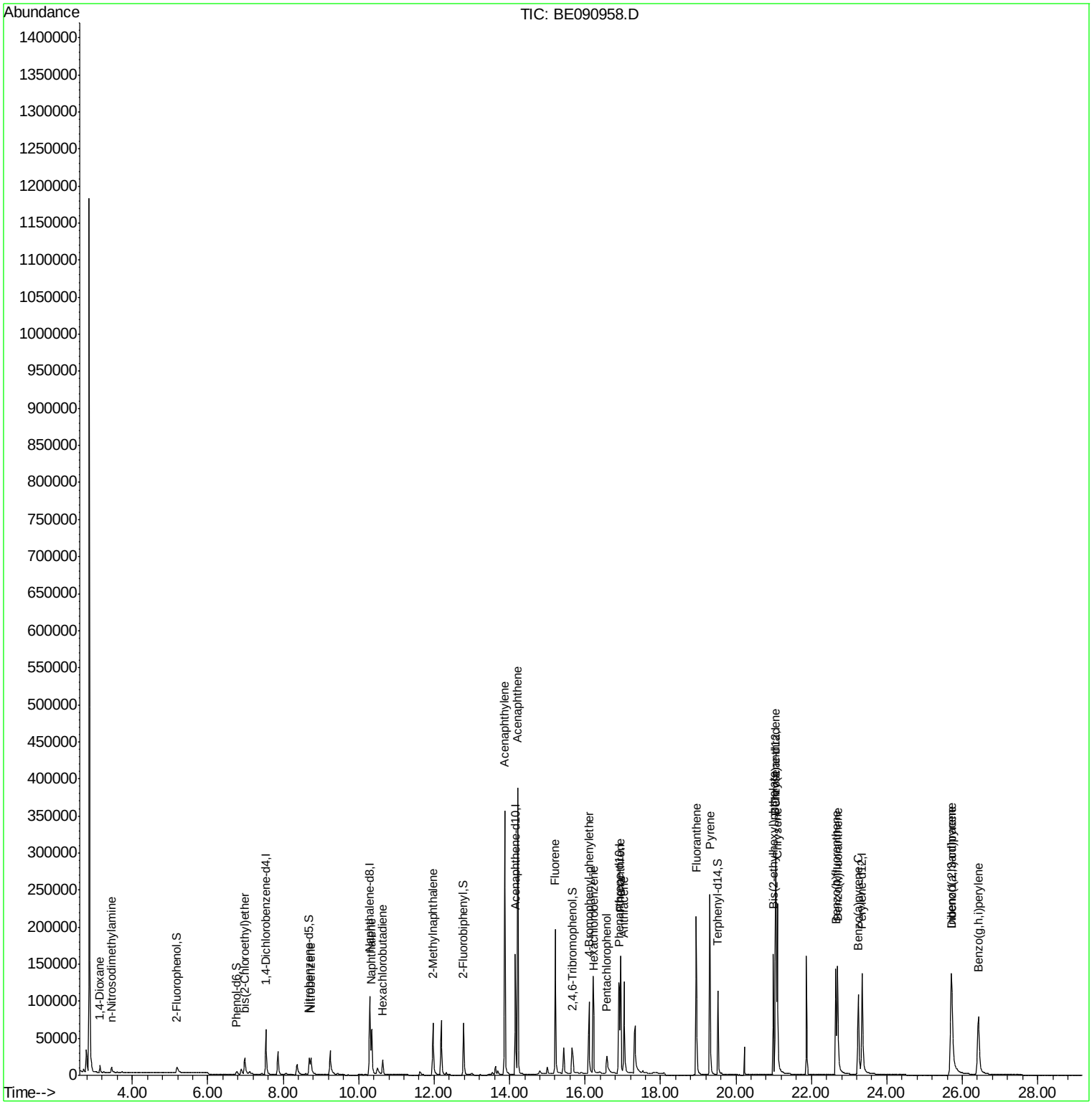
(#) = qualifier out of range (m) = manual integration (+) = signals summed

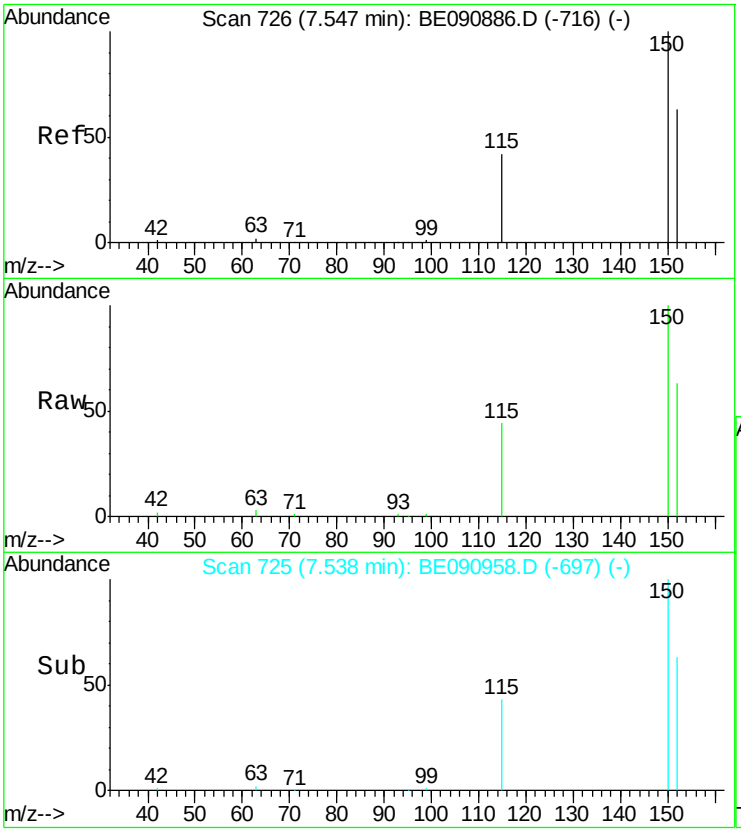
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092315\
Data File : BE090958.D
Acq On : 23 Sep 2015 20:33
Operator : UM/IZ
Sample : G3651-06MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Quant Time: Sep 24 02:15:57 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration



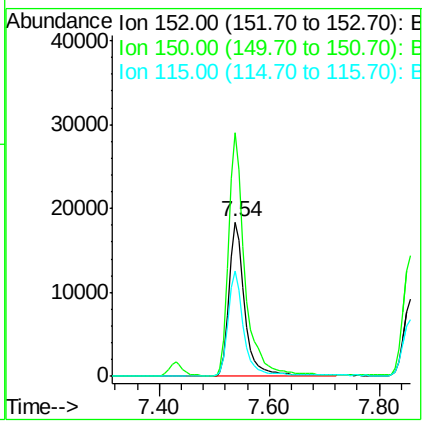


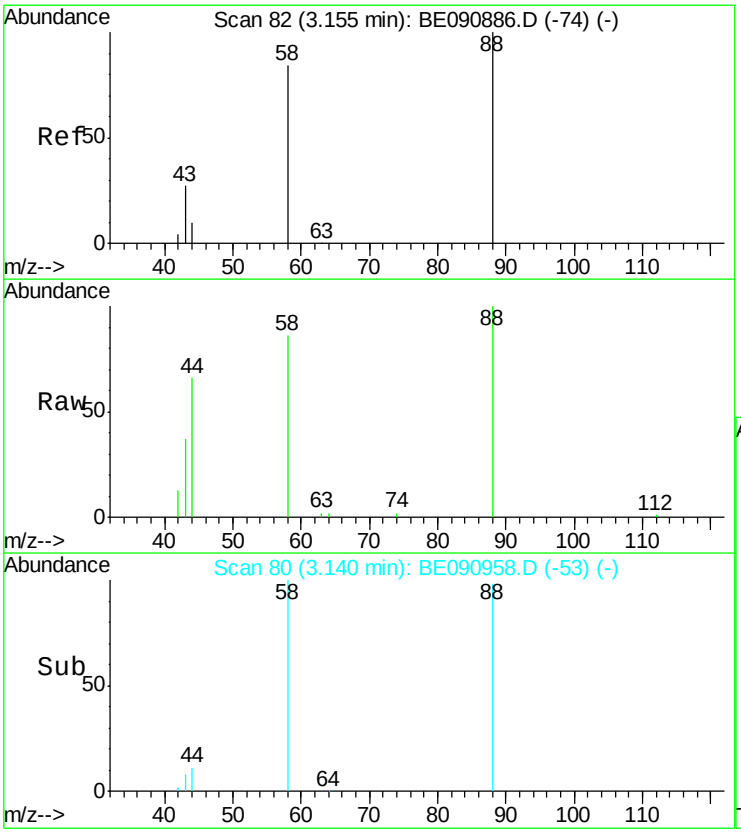
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.54 min Scan# 725
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:152 Resp: 35344

Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.2	183.4
115	68.7	51.0	76.4

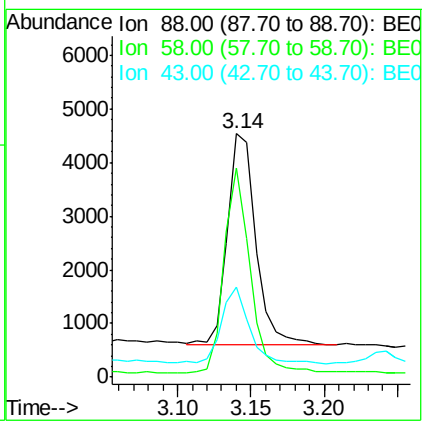


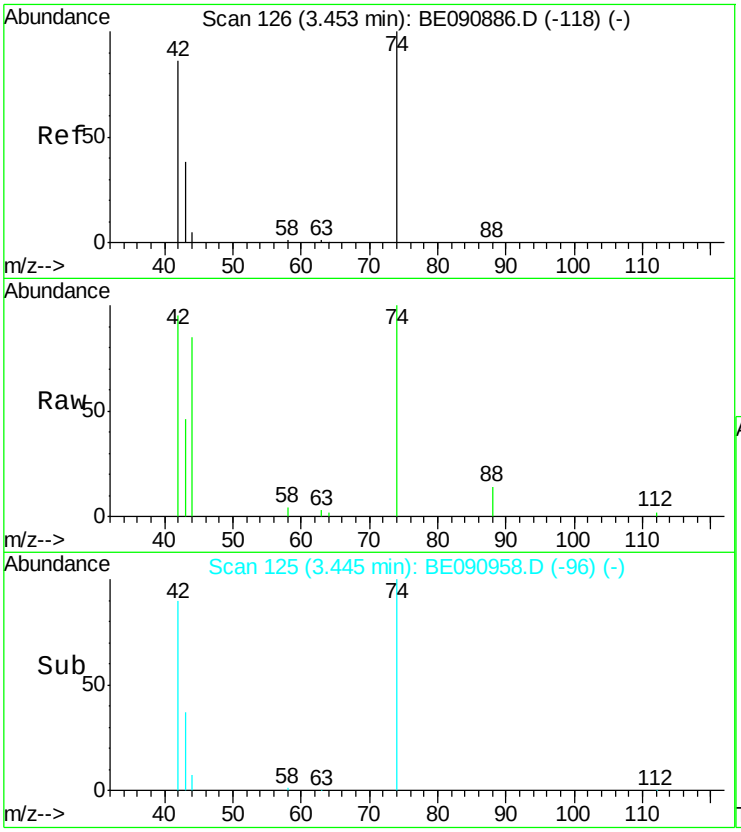


#2
1,4-Dioxane
Concen: 1.00 ng
RT: 3.14 min Scan# 80
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion: 88 Resp: 5258

Ion	Ratio	Lower	Upper
88	100		
58	89.7	68.4	102.6
43	36.1	26.9	40.3



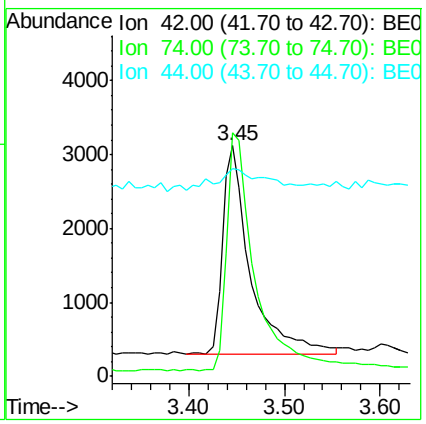


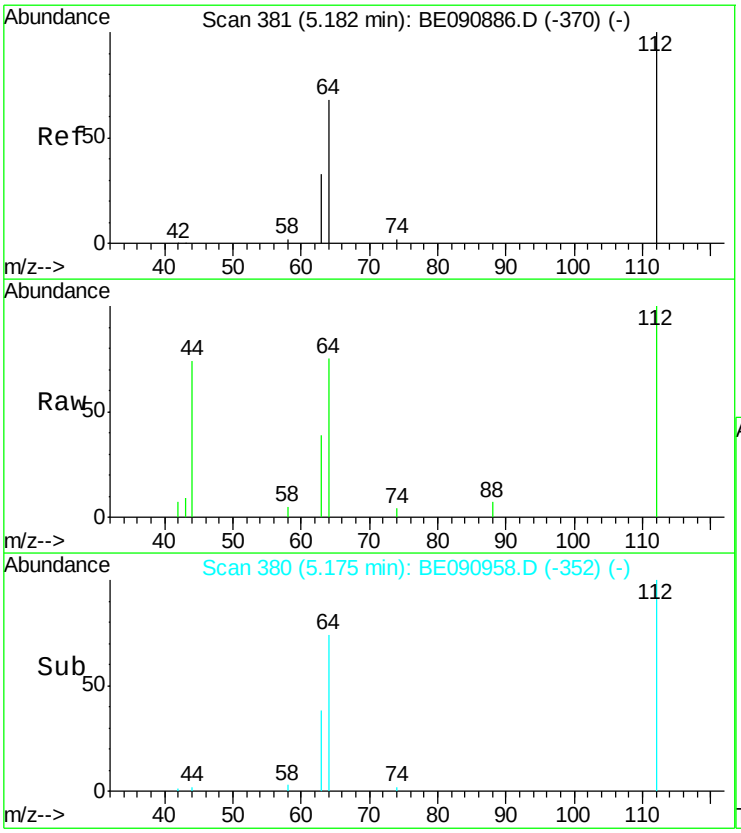
#3
n-Nitrosodimethylamine
Concen: 0.82 ng
RT: 3.45 min Scan# 125
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion: 42 Resp: 5720

Ion	Ratio	Lower	Upper
42	100		
74	122.7	83.7	125.5
44	17.2	10.0	15.0#

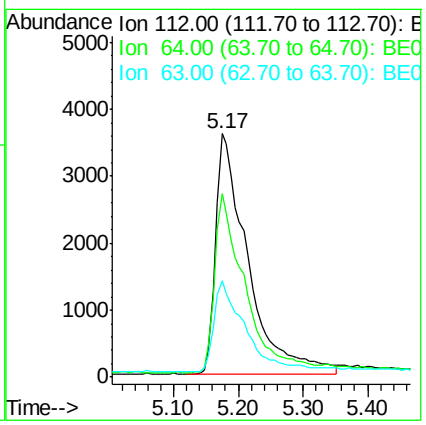


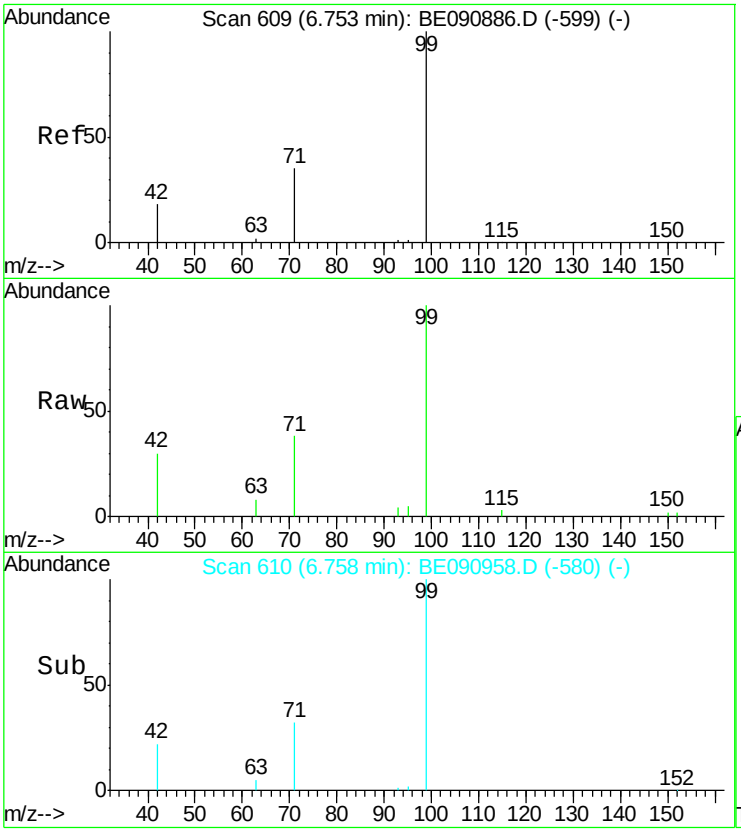


#4
2-Fluorophenol
Concen: 1.52 ng
RT: 5.17 min Scan# 380
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:112 Resp: 12327

Ion	Ratio	Lower	Upper
112	100		
64	71.7	57.3	85.9
63	37.1	29.2	43.8



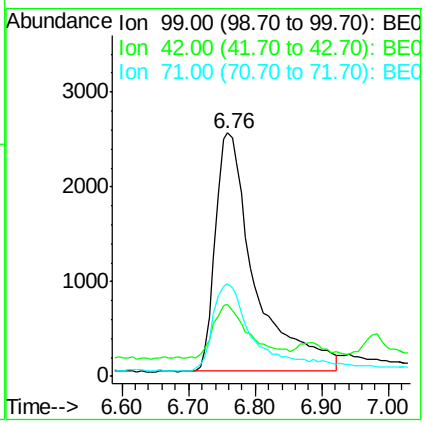


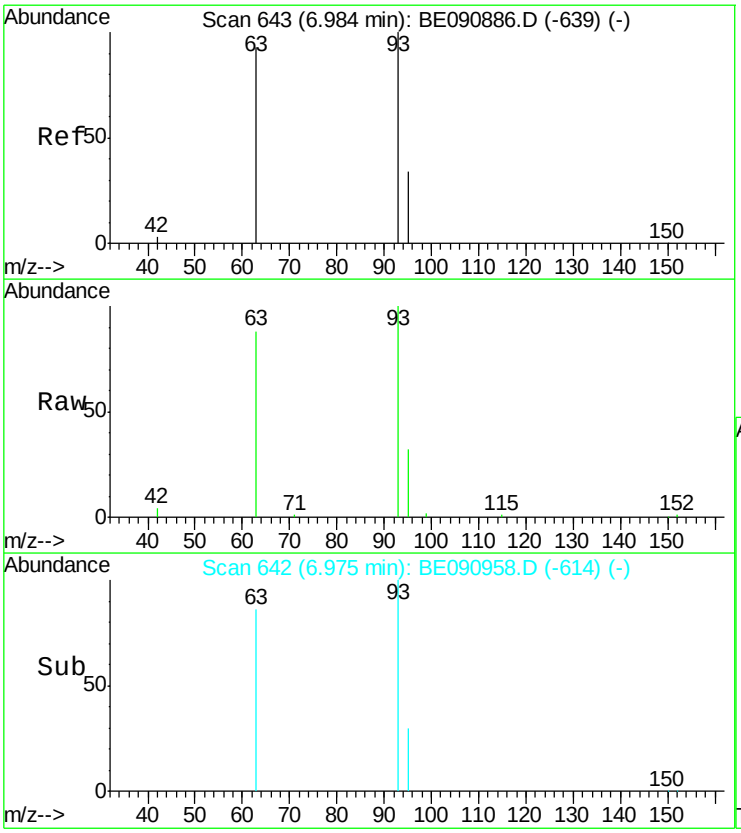
#5
Phenol-d6
Concen: 0.94 ng
RT: 6.76 min Scan# 610
Delta R.T. 0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion: 99 Resp: 10362

Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.8	25.2
71	38.4	28.3	42.5

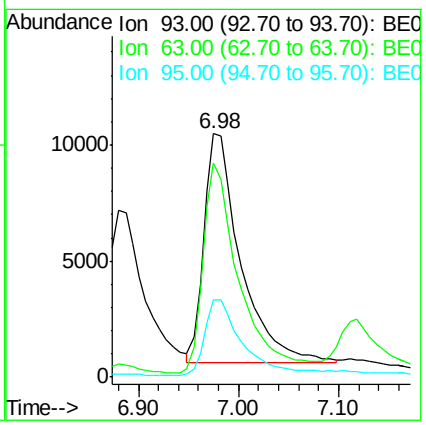


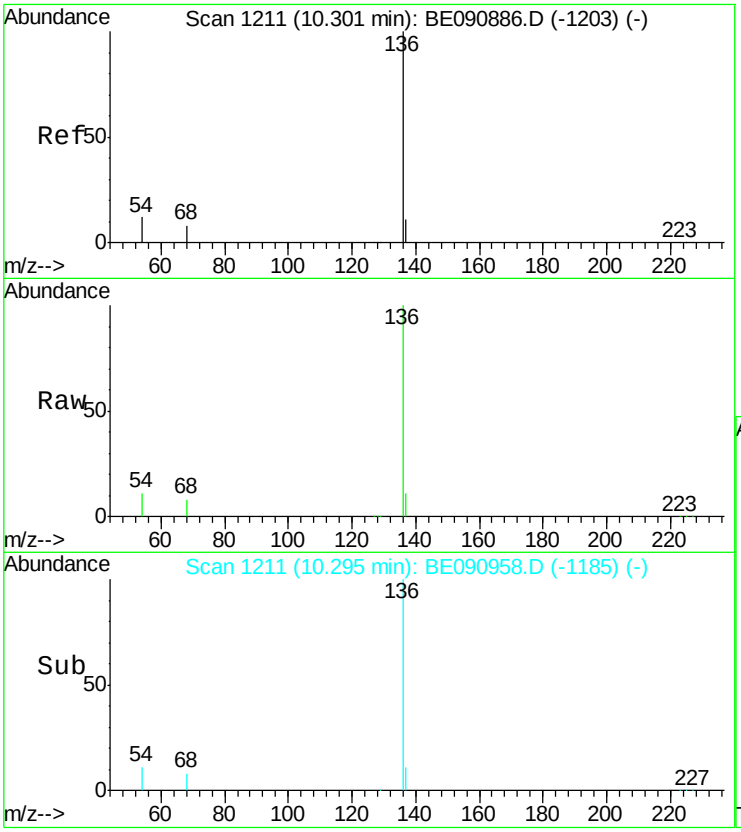


#6
bis(2-Chloroethyl)ether
Concen: 2.50 ng m
RT: 6.98 min Scan# 642
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion: 93 Resp: 25074

Ion	Ratio	Lower	Upper
93	100		
63	90.3	68.5	102.7
95	36.0	26.9	40.3



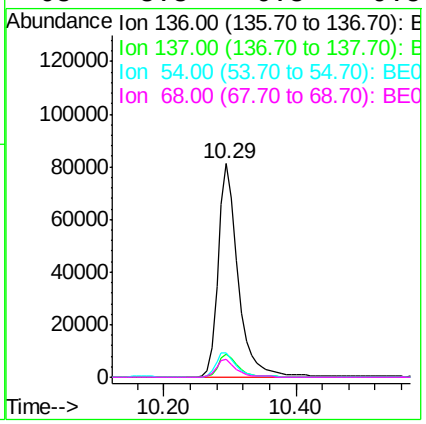


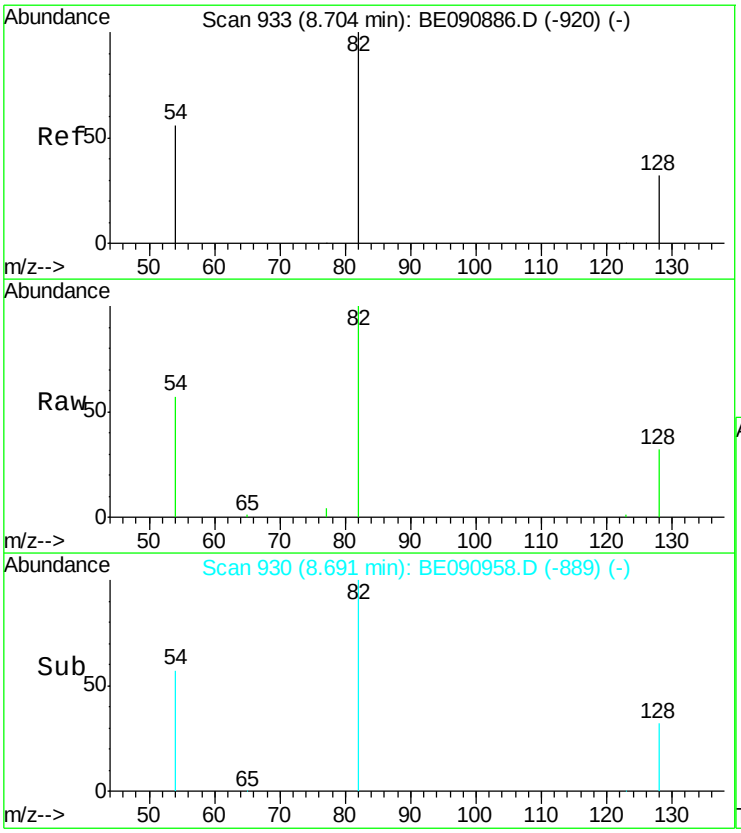
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.29 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:136 Resp: 171208

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.4	9.0	13.6
68	8.3	6.3	9.5

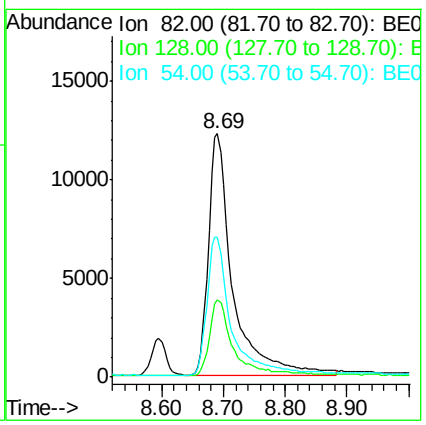


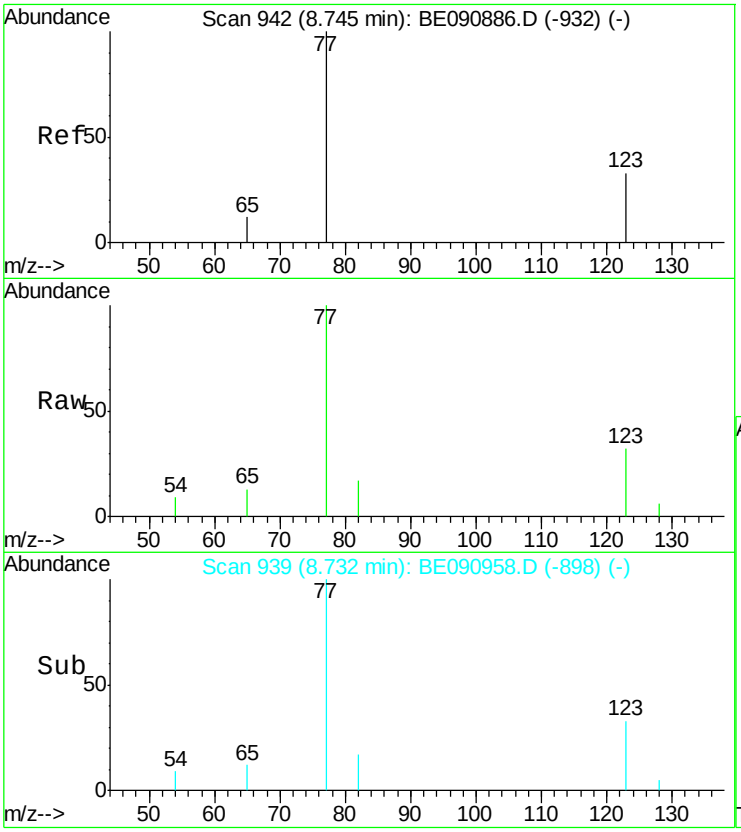


#8
Nitrobenzene-d5
Concen: 2.83 ng
RT: 8.69 min Scan# 930
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion: 82 Resp: 33411

Ion	Ratio	Lower	Upper
82	100		
128	31.9	25.0	37.4
54	57.5	46.3	69.5



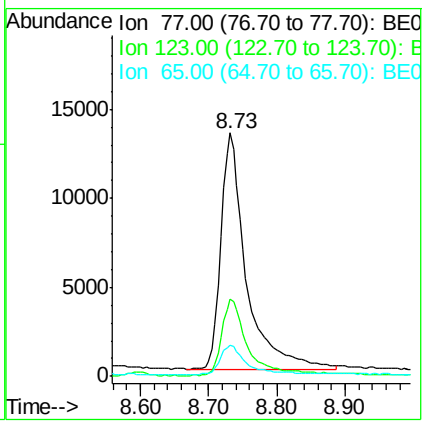


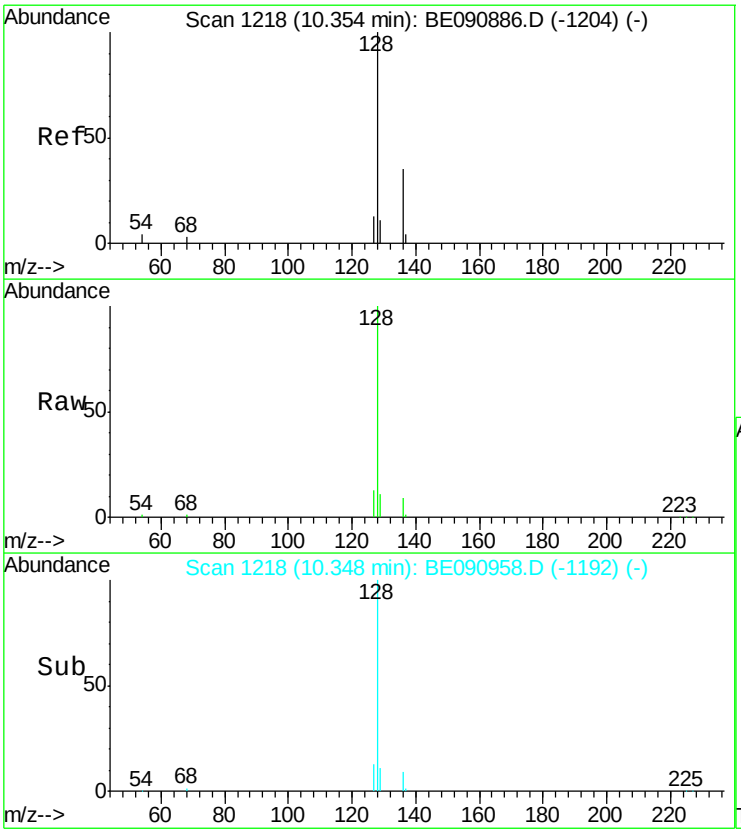
#9
Nitrobenzene
Concen: 2.62 ng
RT: 8.73 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion: 77 Resp: 34295

Ion	Ratio	Lower	Upper
77	100		
123	33.7	25.1	37.7
65	12.1	9.9	14.9

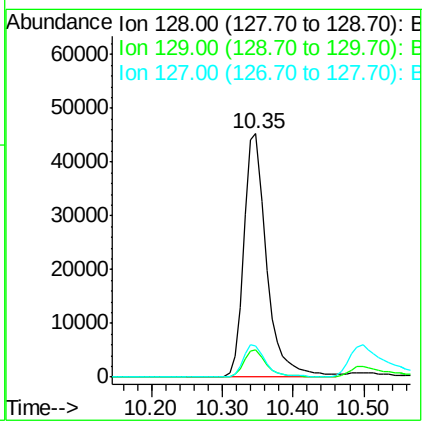


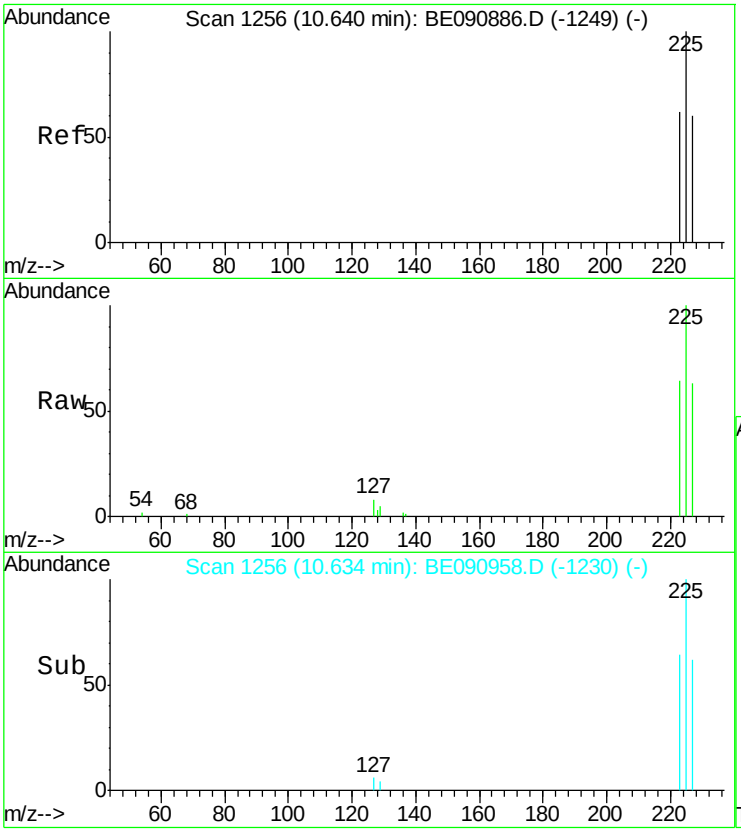


#10
Naphthalene
Concen: 2.98 ng
RT: 10.35 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:128 Resp: 100240

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.0	9.9	14.9



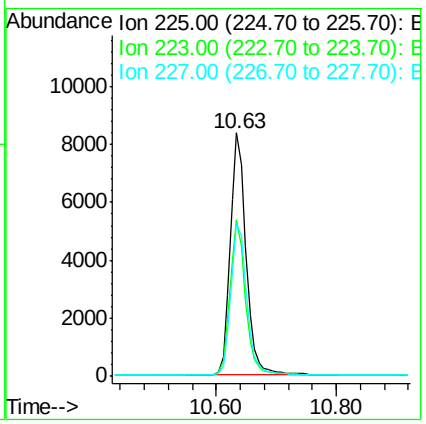


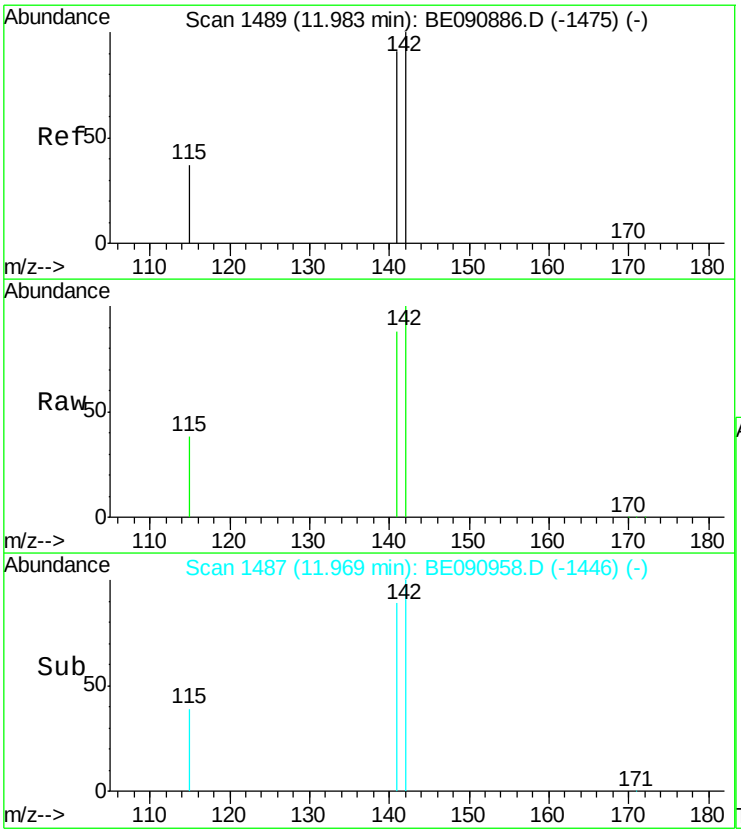
#11
Hexachlorobutadiene
Concen: 3.07 ng
RT: 10.63 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:225 Resp: 15383

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.6	51.0	76.6

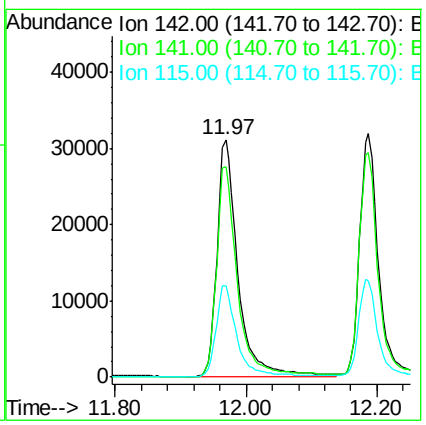


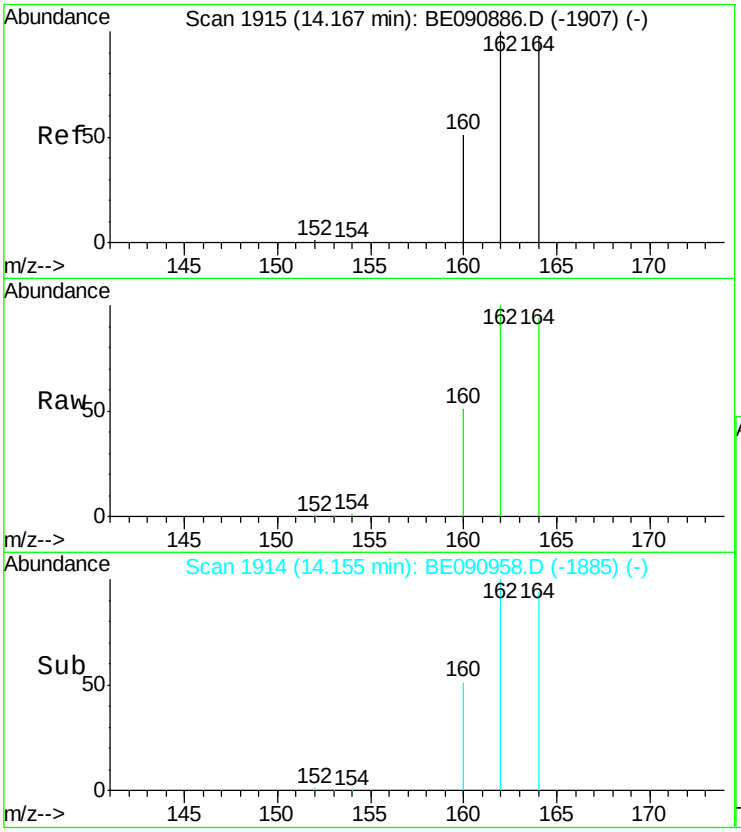


#12
2-Methylnaphthalene
Concen: 2.97 ng
RT: 11.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:142 Resp: 68450

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.4	107.2
115	38.5	31.0	46.4



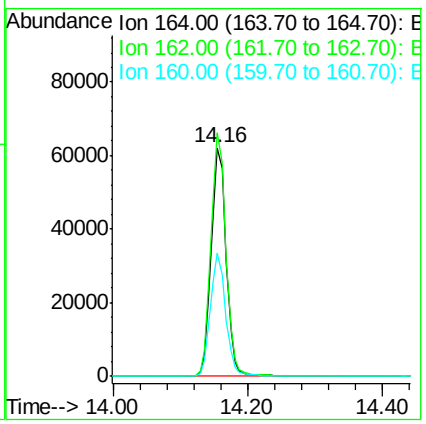


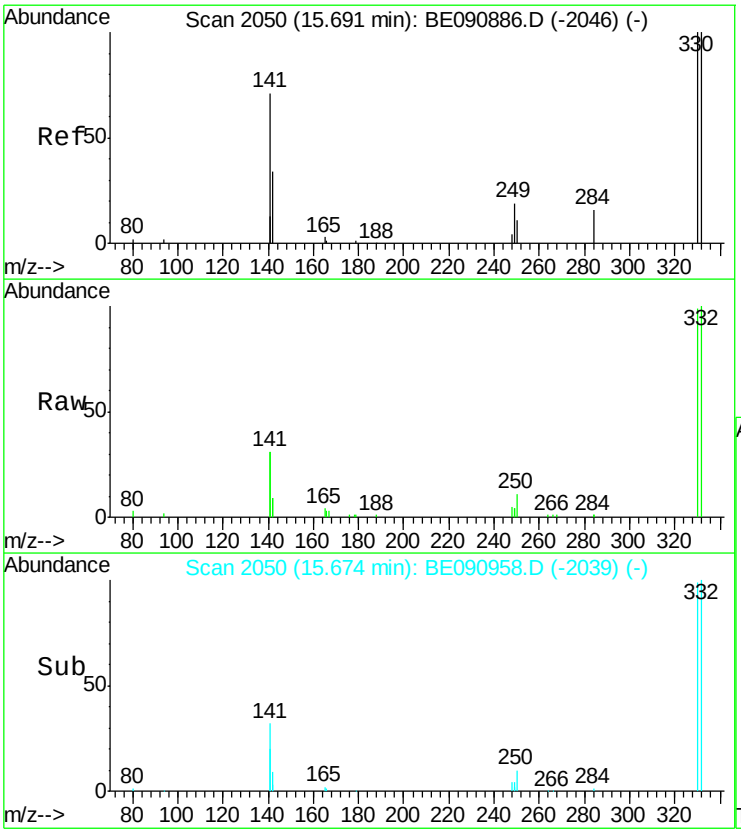
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:164 Resp: 95144

Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.8	130.2
160	54.0	53.9	80.9

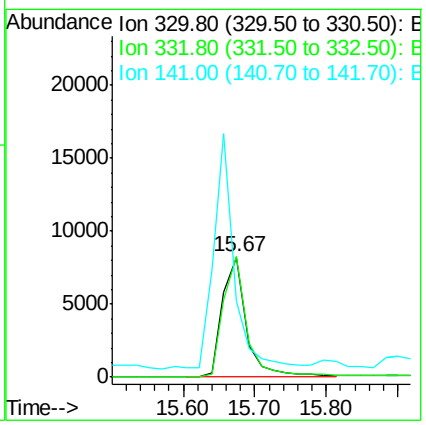


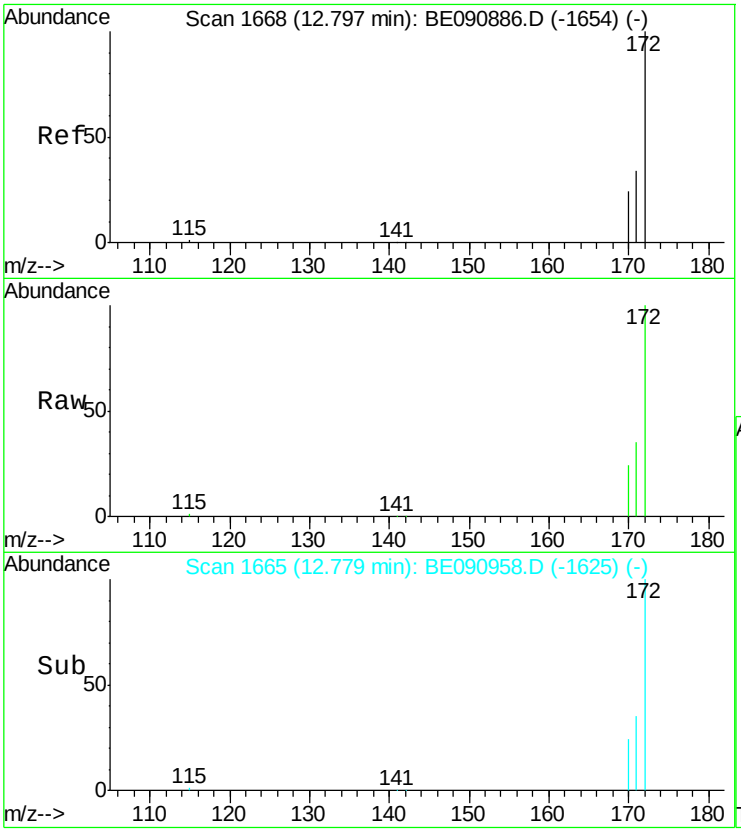


#14
2,4,6-Tribromophenol
Concen: 5.63 ng
RT: 15.67 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:330 Resp: 18909

Ion	Ratio	Lower	Upper
330	100		
332	97.8	74.9	112.3
141	171.5	145.2	217.8



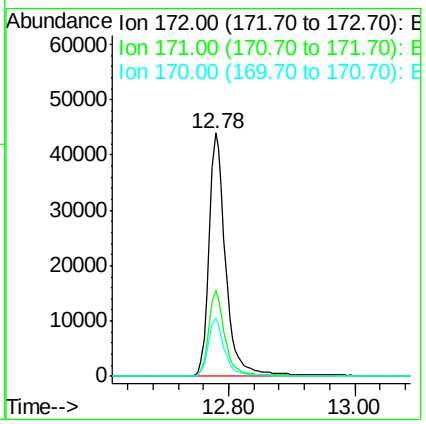


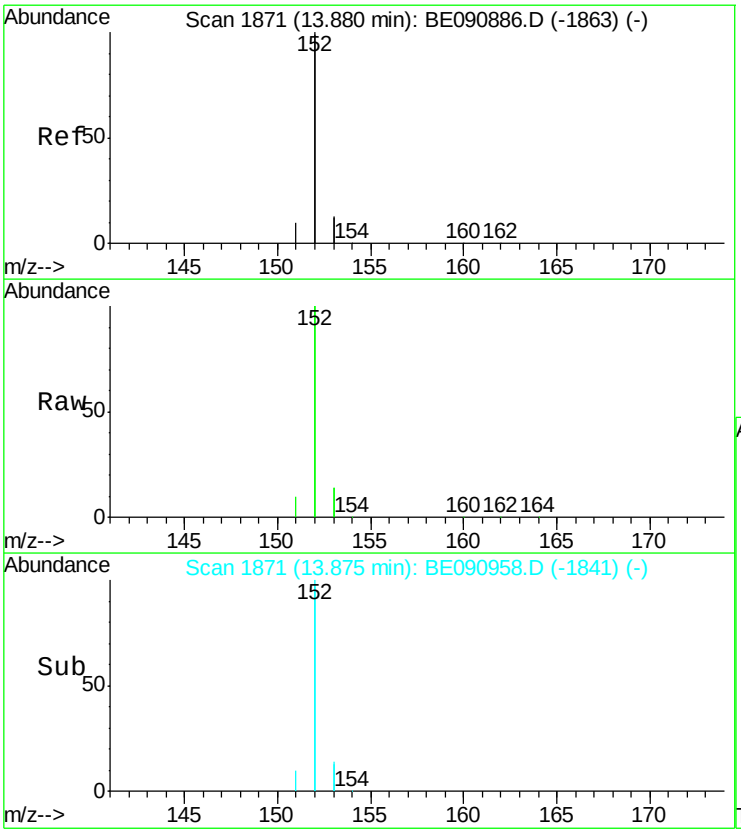
#15
2-Fluorobiphenyl
Concen: 2.99 ng
RT: 12.78 min Scan# 1665
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:172 Resp: 80630

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.8
170	23.7	19.8	29.6

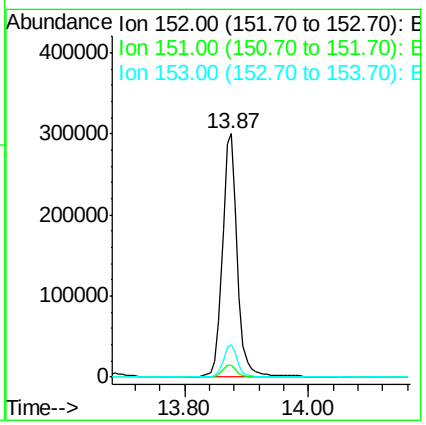


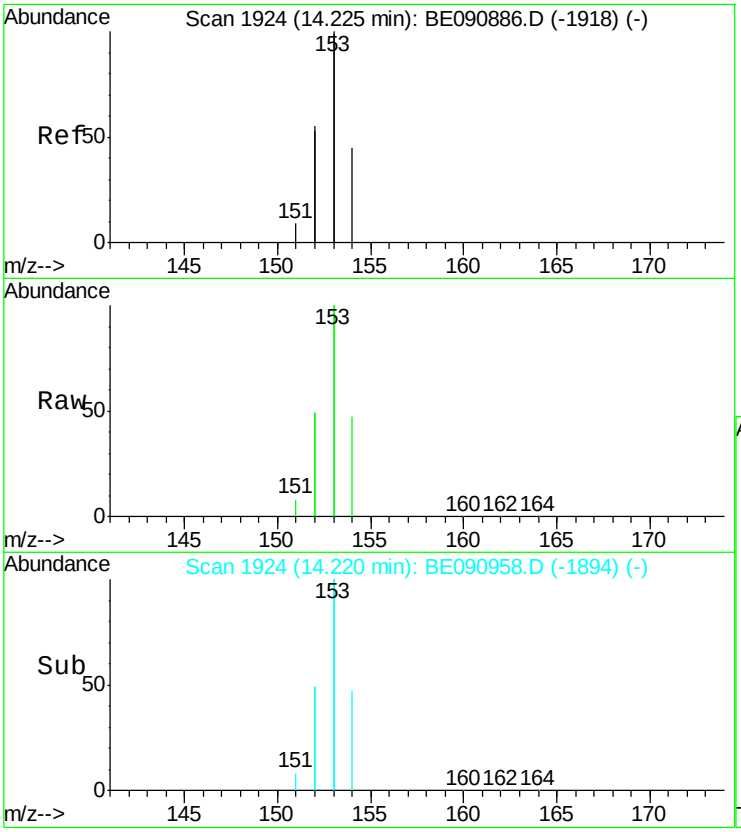


#16
Acenaphthylene
Concen: 3.00 ng
RT: 13.87 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:152 Resp: 497025

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.3	15.5



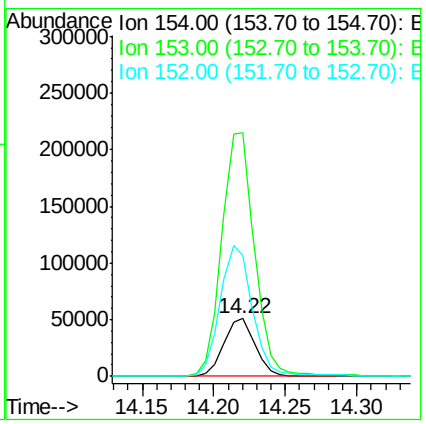


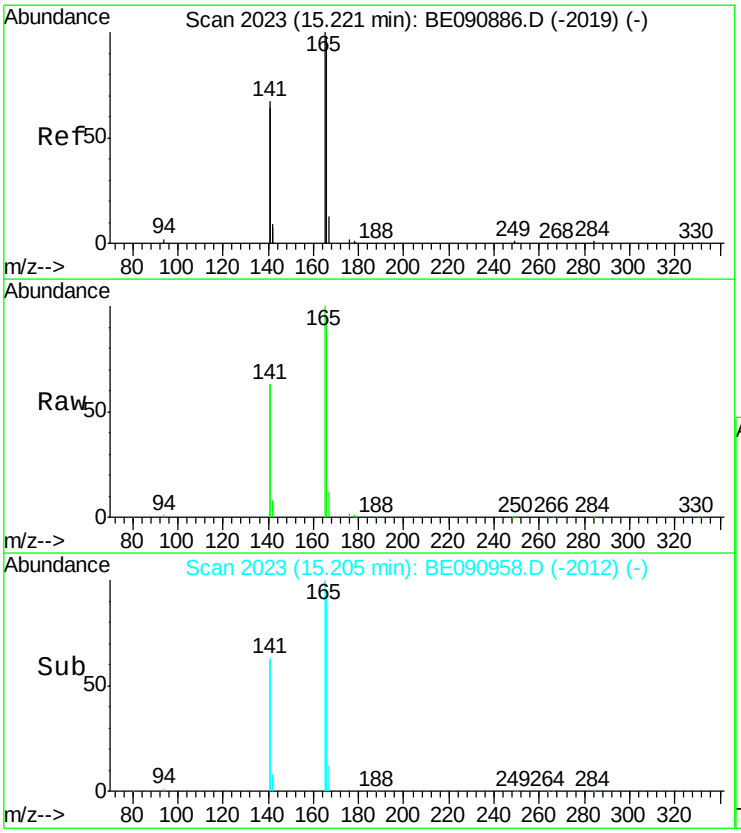
#17
Acenaphthene
Concen: 3.04 ng
RT: 14.22 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:154 Resp: 77650

Ion	Ratio	Lower	Upper
154	100		
153	438.1	354.5	531.7
152	231.2	227.8	341.6

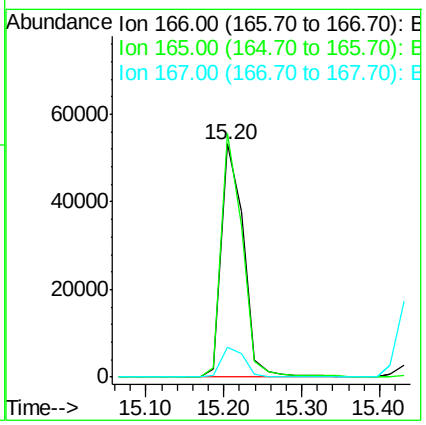


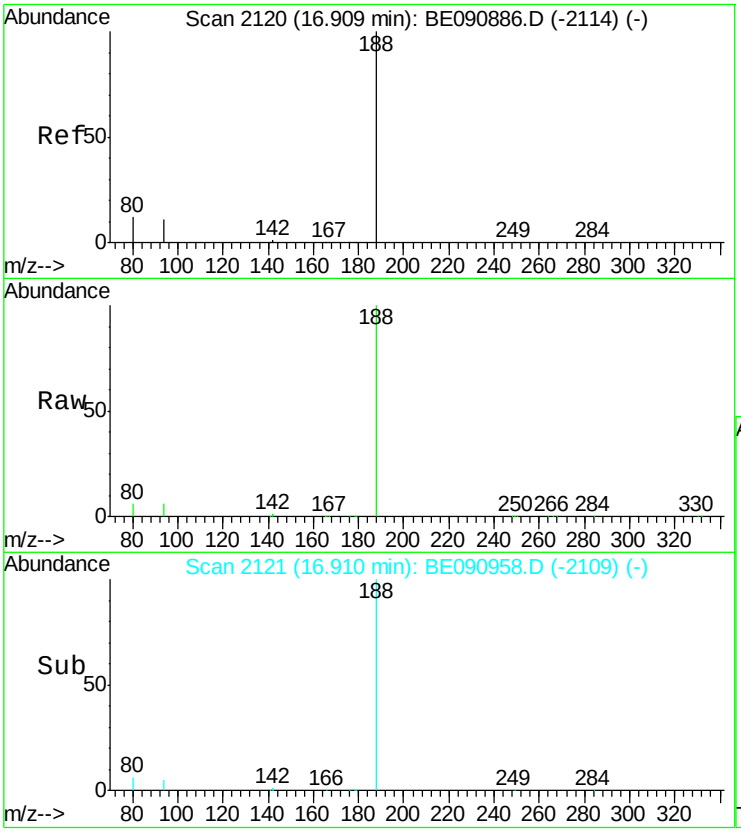


#18
Fluorene
Concen: 3.54 ng
RT: 15.20 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:166 Resp: 103678

Ion	Ratio	Lower	Upper
166	100		
165	99.5	82.7	124.1
167	13.5	10.7	16.1



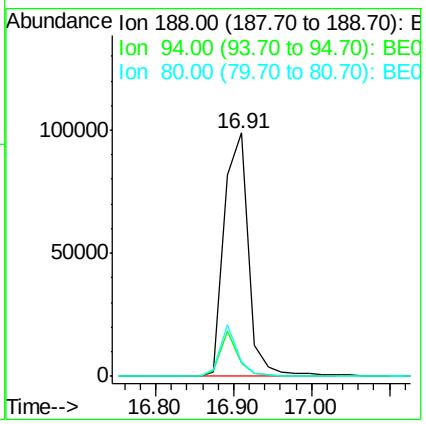


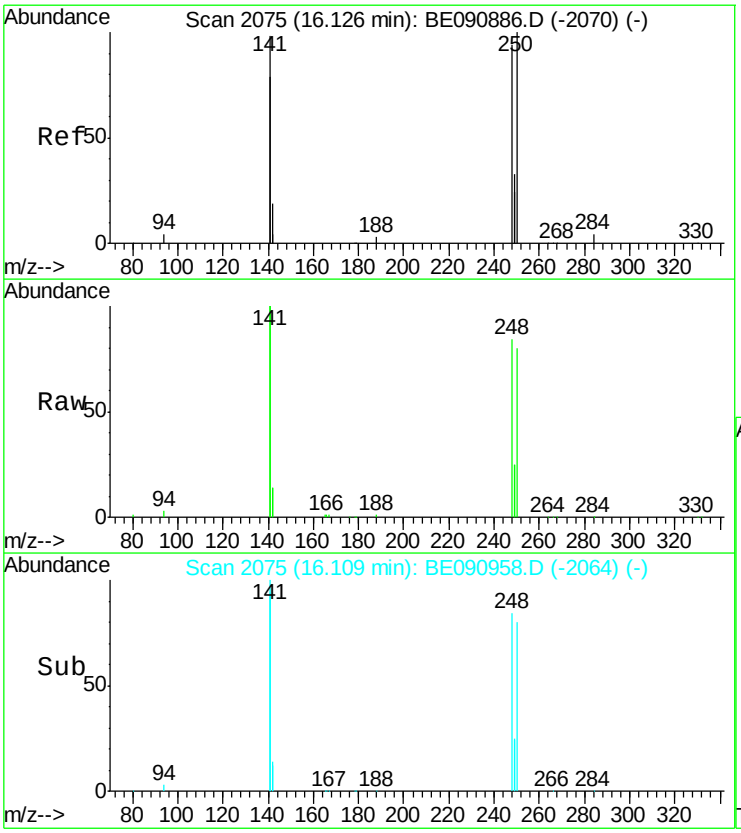
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:188 Resp: 213022

Ion	Ratio	Lower	Upper
188	100		
94	5.6	10.3	15.5#
80	5.8	11.0	16.6#

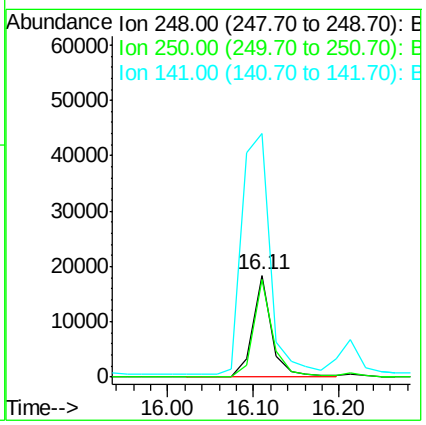


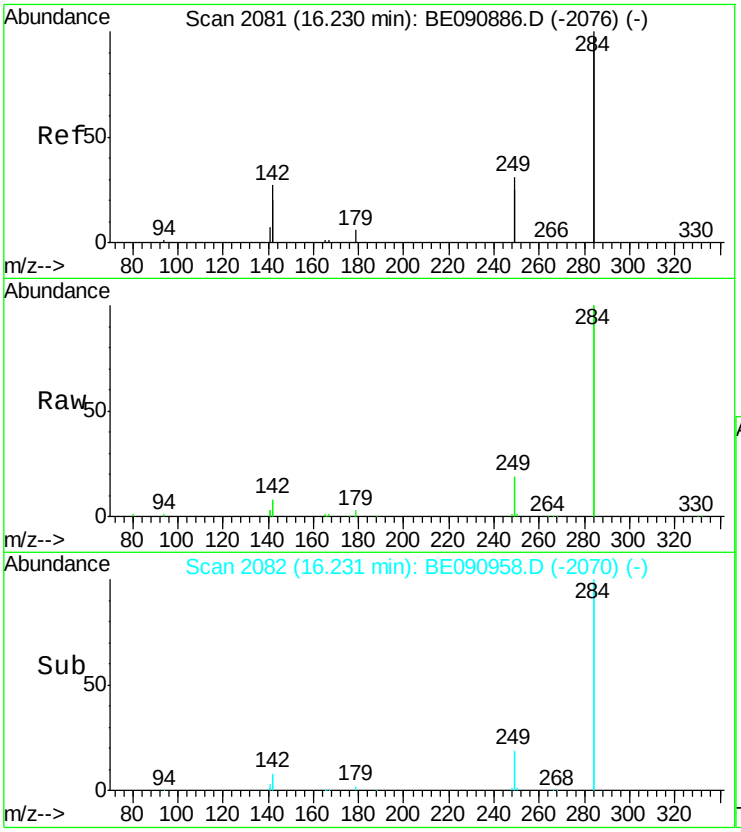


#20
4-Bromophenyl-phenylether
Concen: 3.43 ng
RT: 16.11 min Scan# 2075
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:248 Resp: 28279

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.7	115.1
141	348.0	292.6	439.0



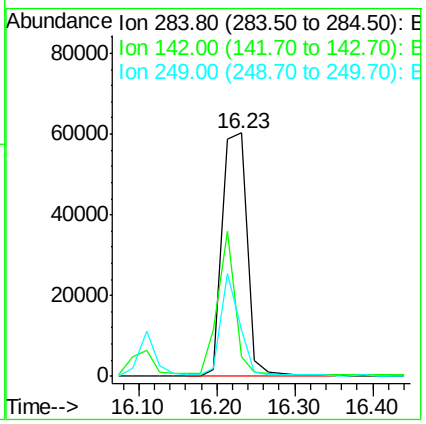


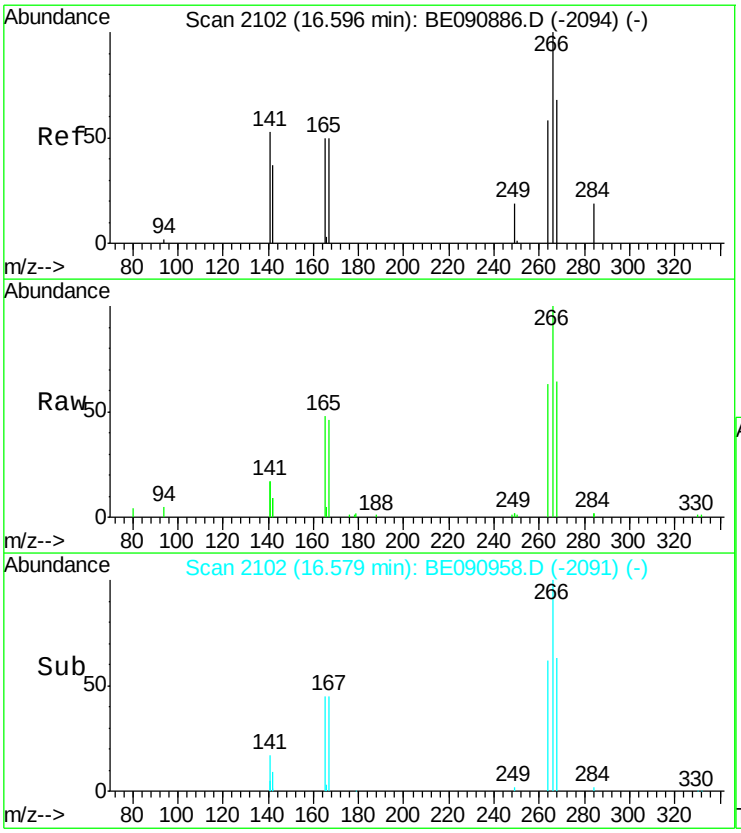
#21
Hexachlorobenzene
Concen: 3.83 ng
RT: 16.23 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:284 Resp: 130985

Ion	Ratio	Lower	Upper
284	100		
142	41.4	35.0	52.4
249	31.2	25.5	38.3

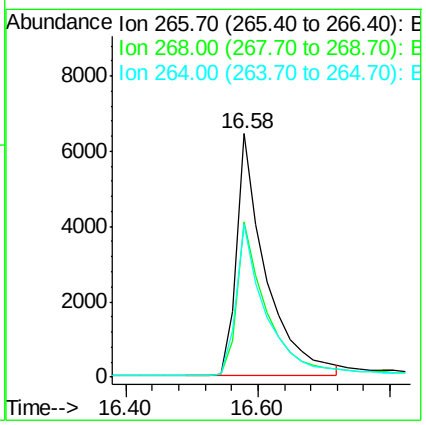


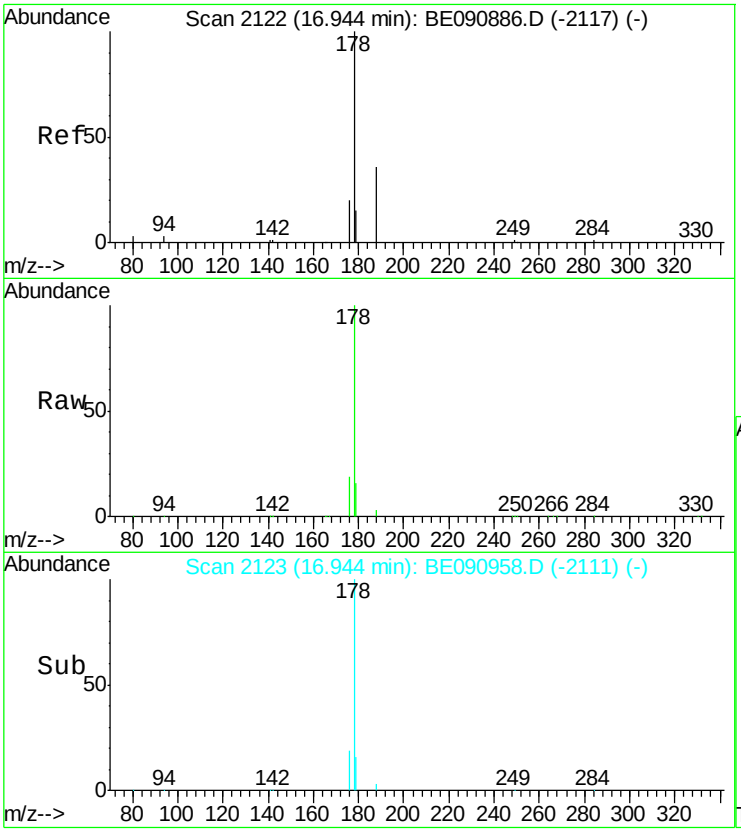


#22
Pentachlorophenol
Concen: 5.00 ng
RT: 16.58 min Scan# 2102
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:266 Resp: 19626

Ion	Ratio	Lower	Upper
266	100		
268	63.8	49.6	74.4
264	62.5	53.9	80.9



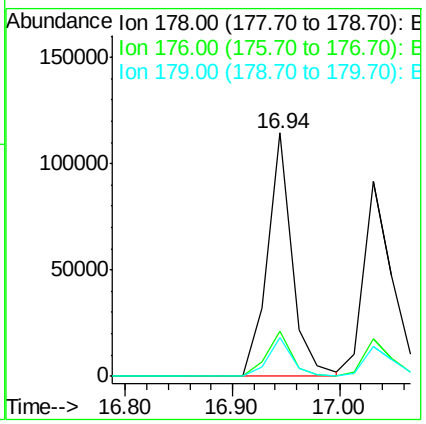


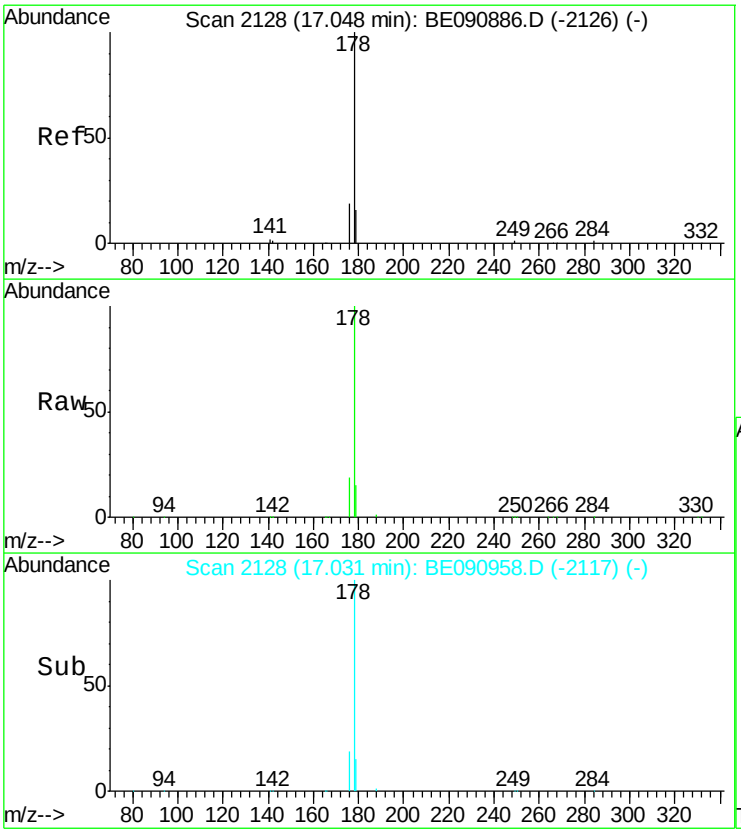
#23
Phenanthrene
Concen: 3.72 ng
RT: 16.94 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:178 Resp: 183261

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.6	12.8	19.2

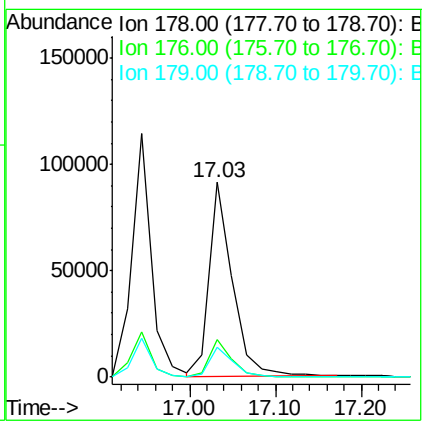


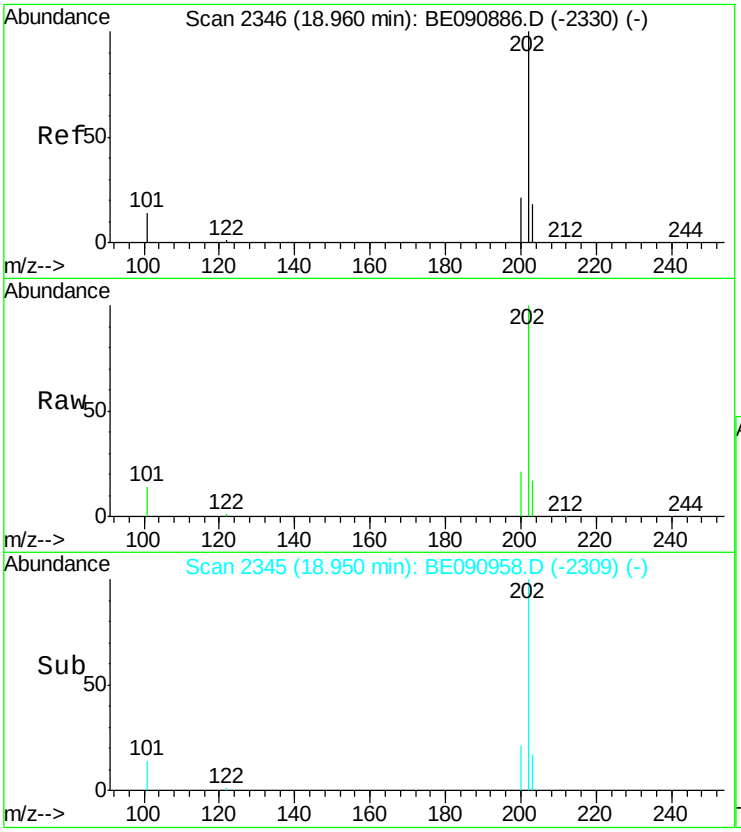


#24
Anthracene
Concen: 3.54 ng
RT: 17.03 min Scan# 2128
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:178 Resp: 172519

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.3	18.5



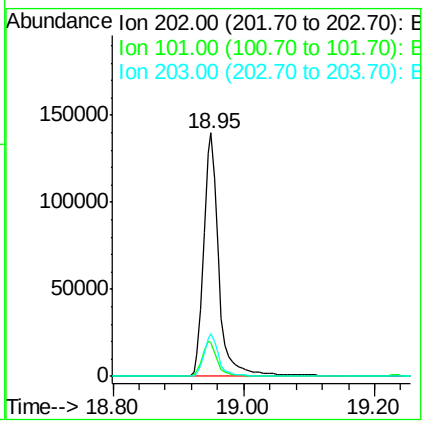


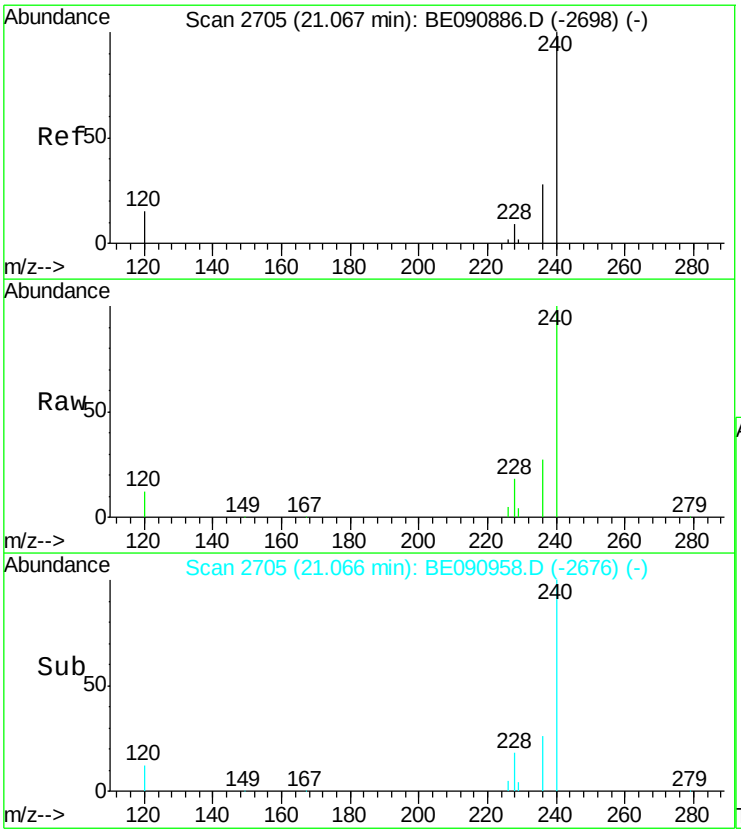
#25
Fluoranthene
Concen: 3.44 ng
RT: 18.95 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:202 Resp: 223457

Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.6
203	17.1	13.9	20.9

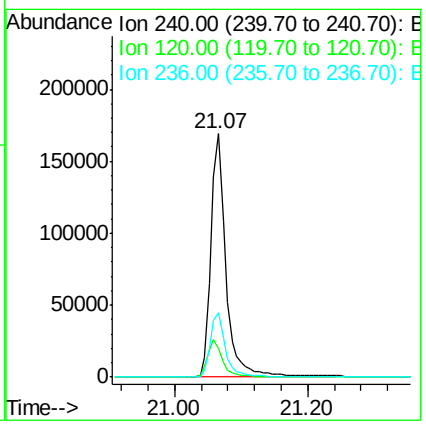


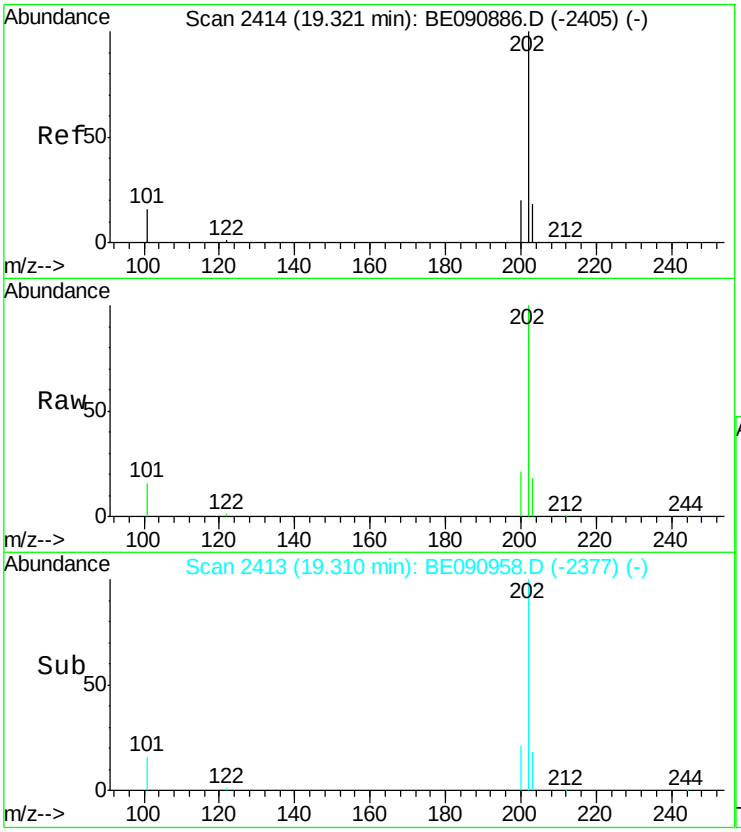


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2705
Delta R.T. -0.00 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:240 Resp: 260746

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.1	15.1
236	26.5	21.9	32.9



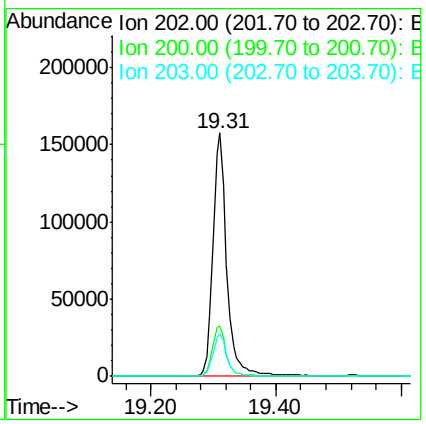


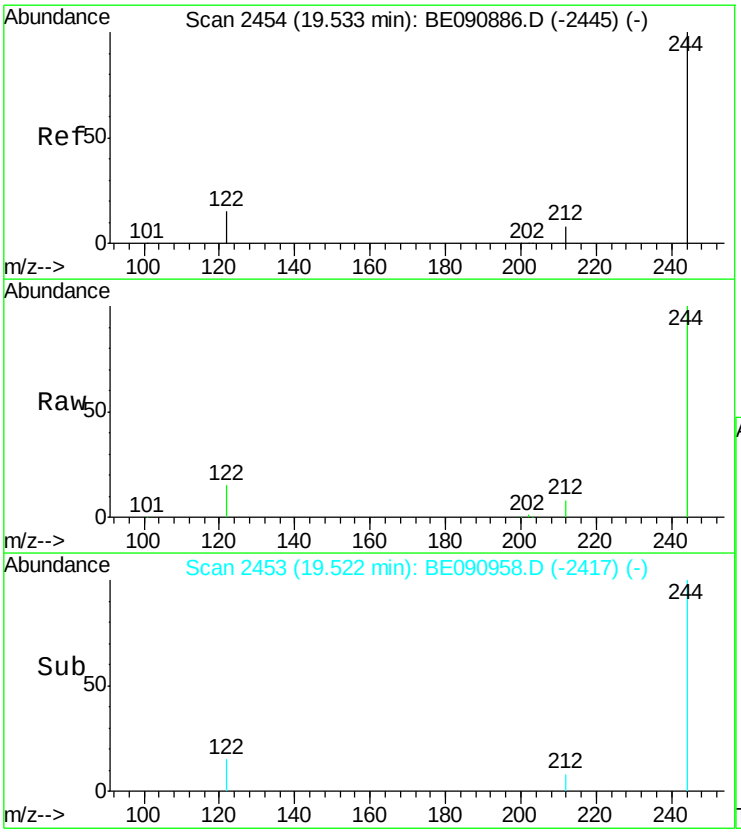
#27
Pyrene
Concen: 4.03 ng
RT: 19.31 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:202 Resp: 240110

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.1	13.8	20.6

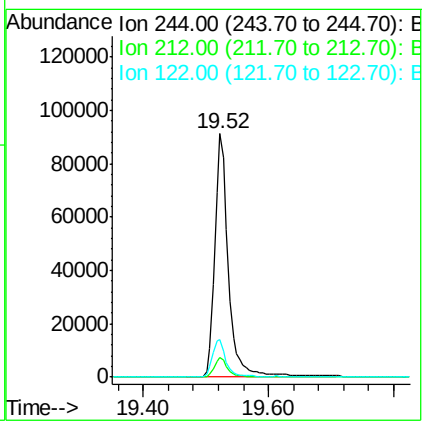


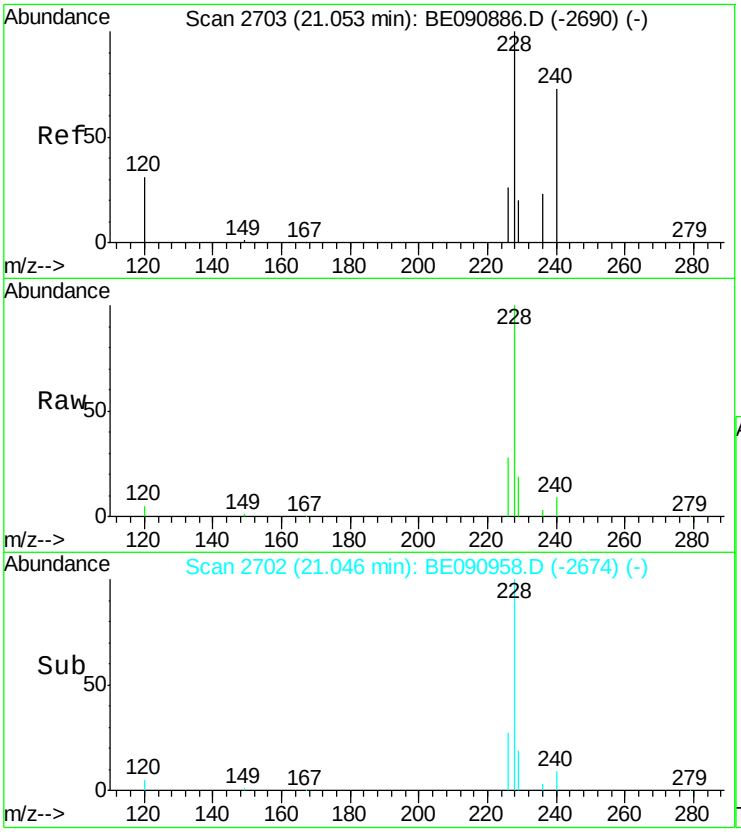


#28
Terphenyl-d14
Concen: 4.69 ng
RT: 19.52 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:244 Resp: 138543

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.9	10.3
122	15.4	12.9	19.3



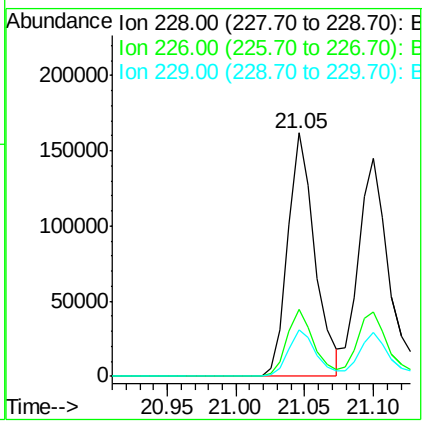


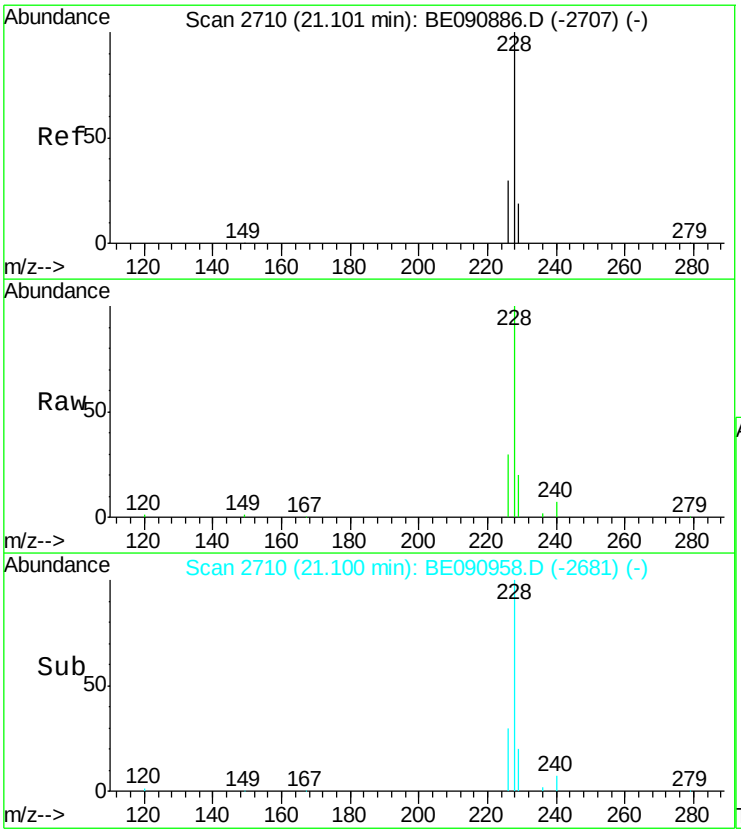
#29
Benzo(a)anthracene
Concen: 3.42 ng
RT: 21.05 min Scan# 2702
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:228 Resp: 219981

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.6	32.4
229	19.4	15.9	23.9

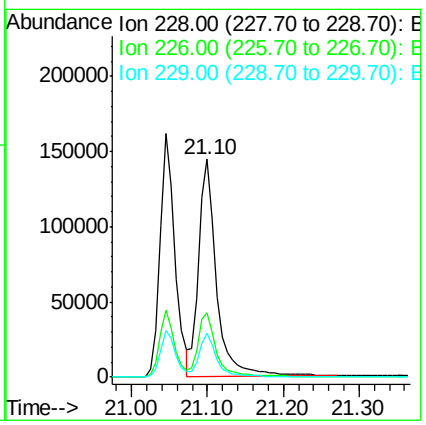


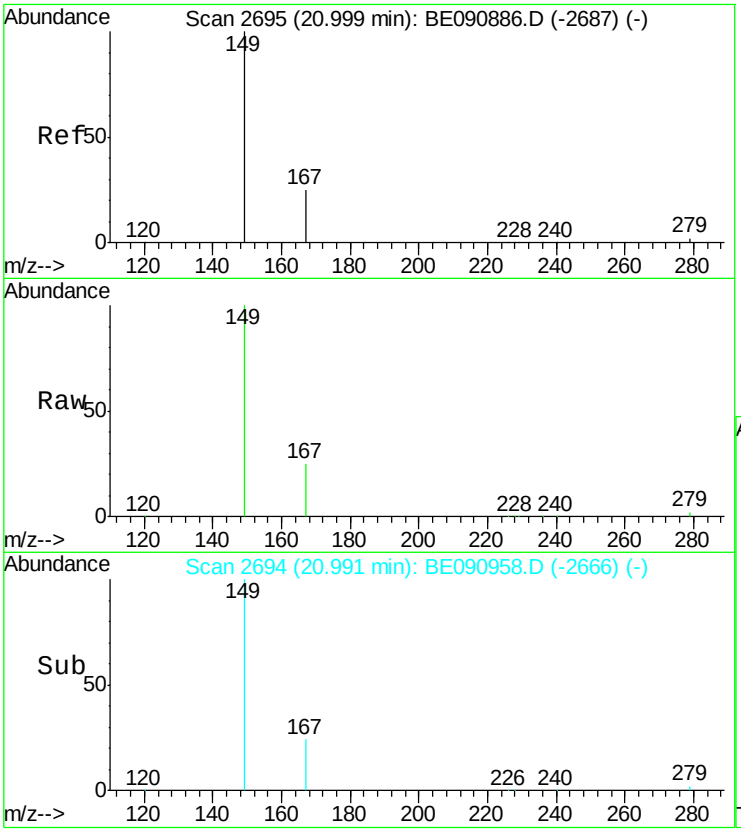


#30
Chrysene
Concen: 3.91 ng
RT: 21.10 min Scan# 2710
Delta R.T. -0.00 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:228 Resp: 236508

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.4
229	20.1	15.3	22.9



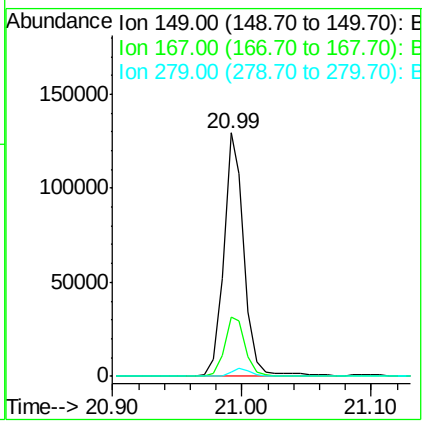


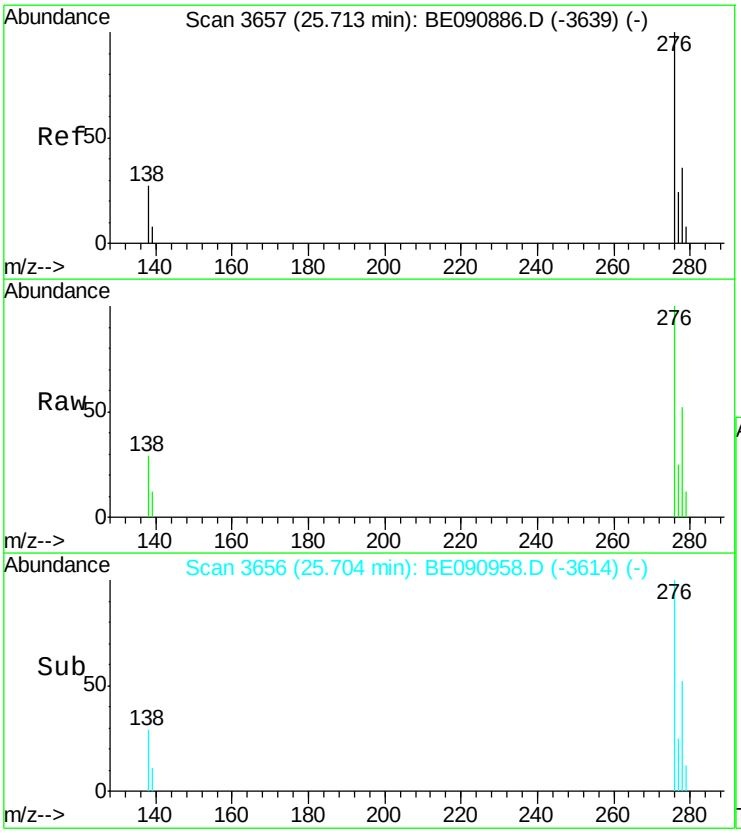
#31
Bis(2-ethylhexyl)phthalate
Concen: 4.77 ng
RT: 20.99 min Scan# 2694
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:149 Resp: 141665

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.1	30.1
279	3.0	2.3	3.5

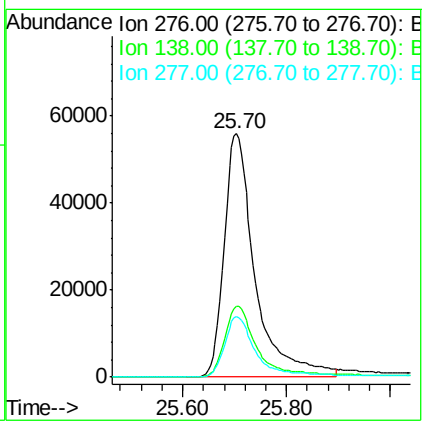


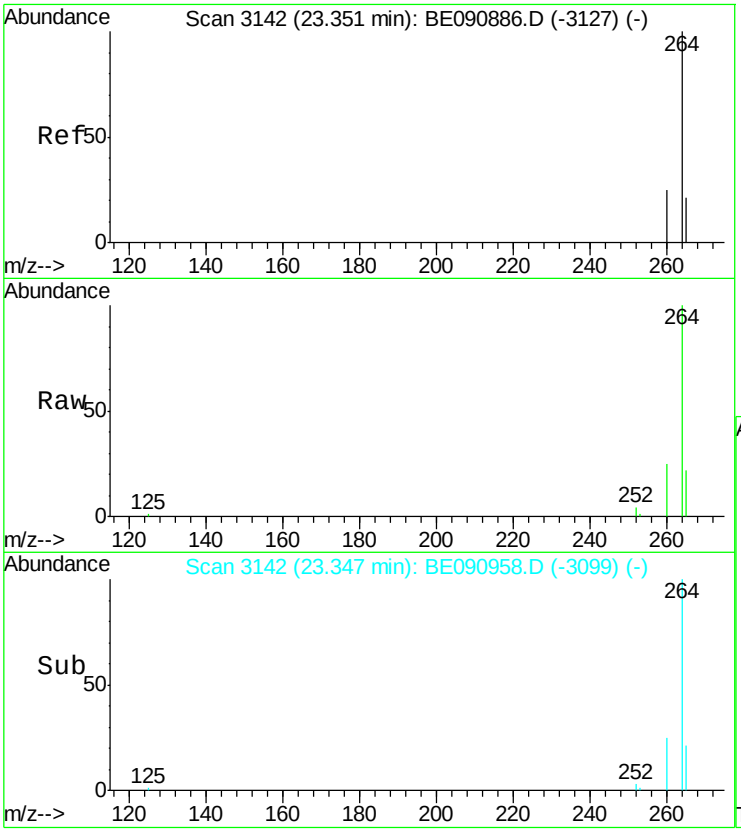


#32
Indeno(1,2,3-cd)pyrene
Concen: 3.03 ng
RT: 25.70 min Scan# 3656
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:276 Resp: 230156

Ion	Ratio	Lower	Upper
276	100		
138	30.2	23.3	34.9
277	25.1	19.8	29.6



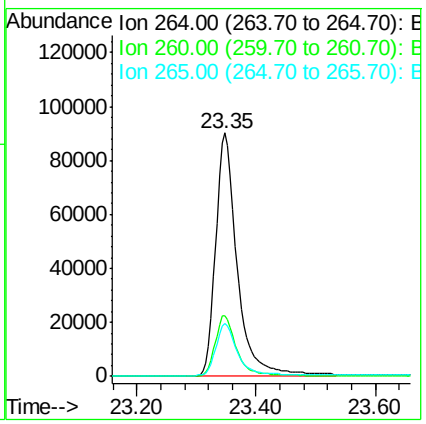


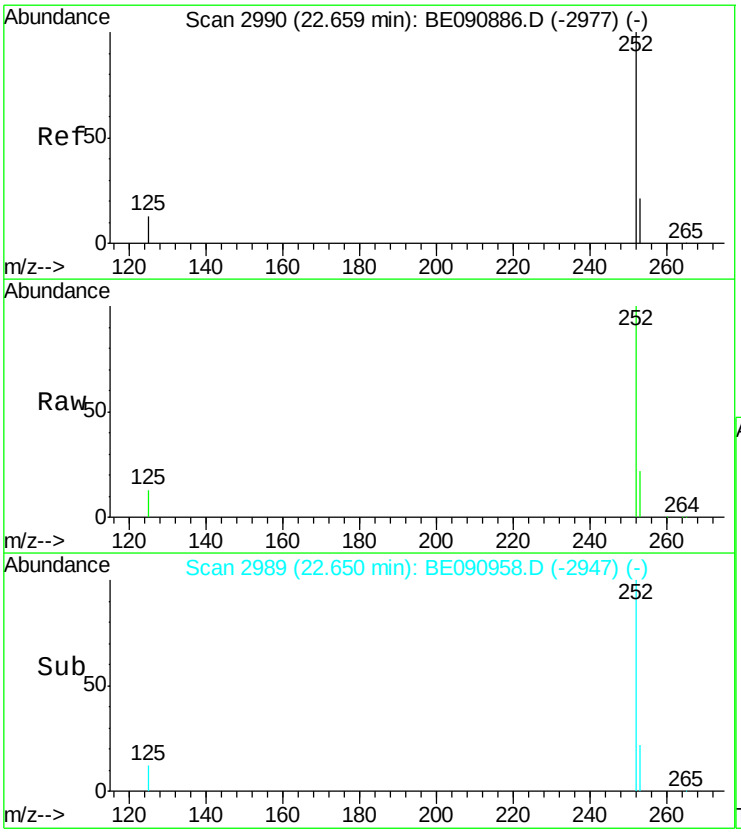
#33
Perylene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:264 Resp: 227800

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	21.7	17.5	26.3

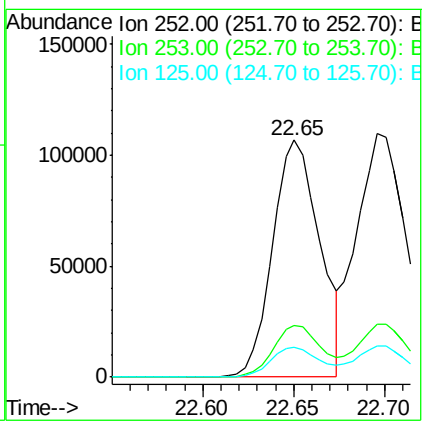


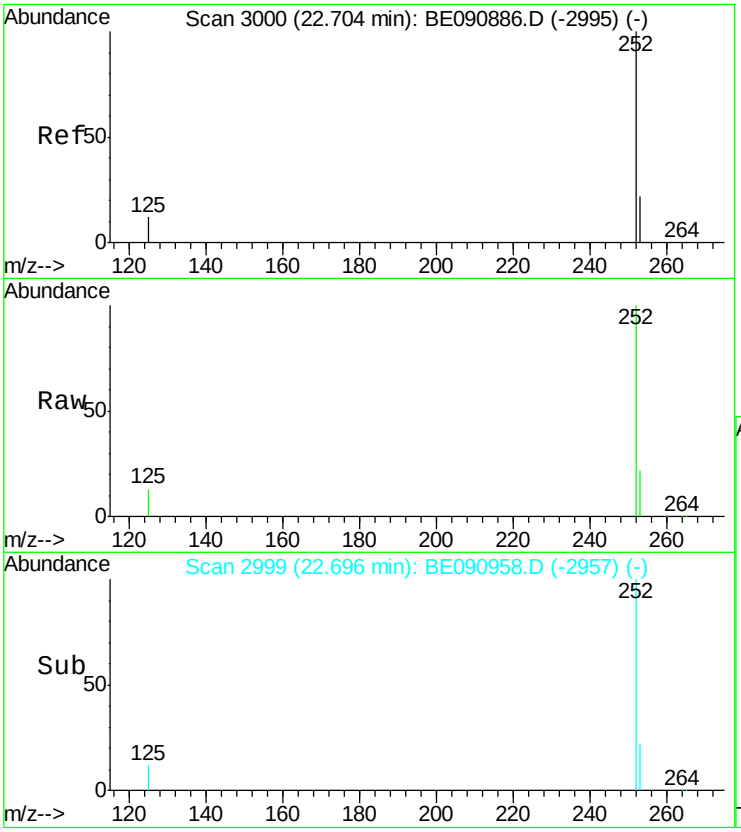


#34
Benzo(b)fluoranthene
Concen: 3.60 ng
RT: 22.65 min Scan# 2989
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:252 Resp: 191899

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	12.5	10.6	16.0



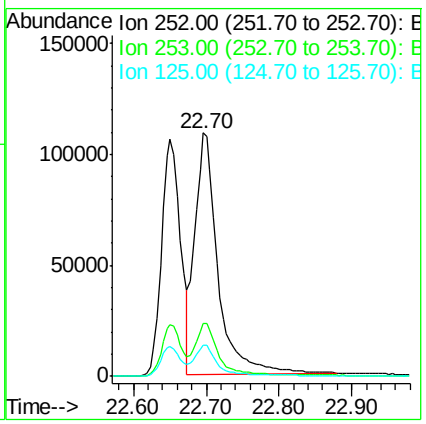


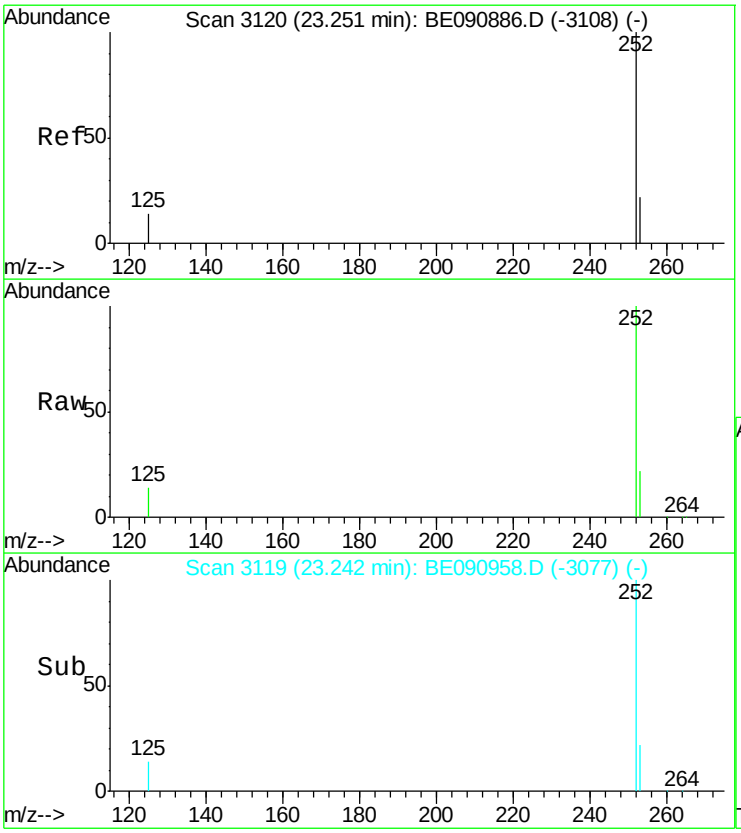
#35
Benzo(k)fluoranthene
Concen: 3.93 ng
RT: 22.70 min Scan# 2999
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:252 Resp: 241139

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	12.6	10.1	15.1

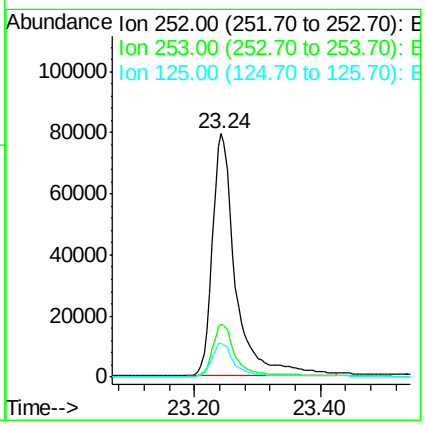


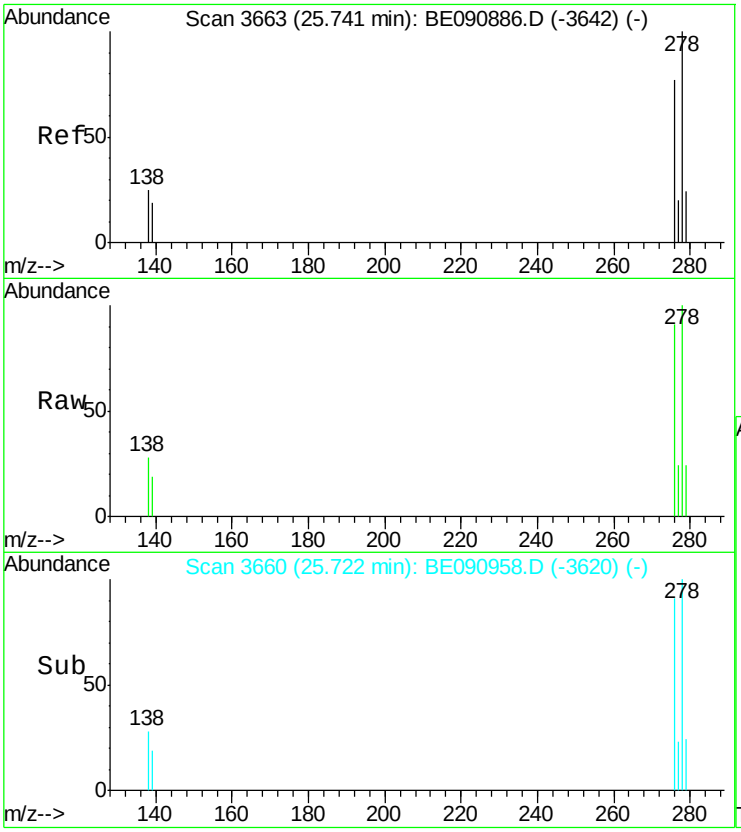


#36
Benzo(a)pyrene
Concen: 3.98 ng
RT: 23.24 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:252 Resp: 201842

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	14.1	18.0	27.0#



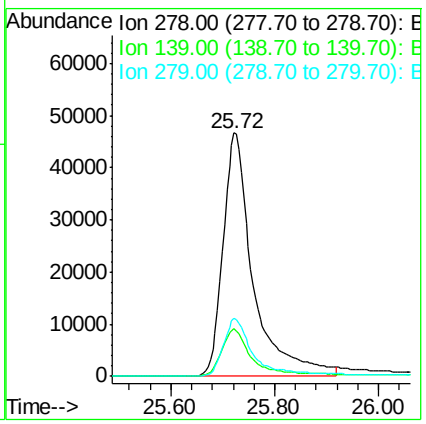


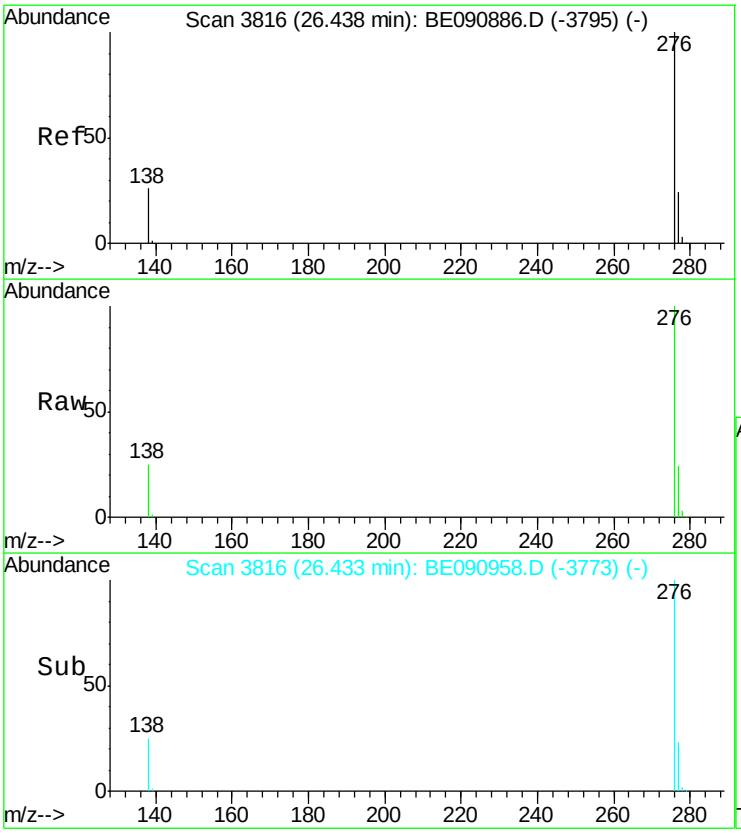
#37
Dibenzo(a,h)anthracene
Concen: 3.56 ng
RT: 25.72 min Scan# 3660
Delta R.T. -0.02 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Instrument :
BNA_E
ClientSampleId :
CPS033031MS

Tgt Ion:278 Resp: 187655

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.4	23.0
279	23.8	18.8	28.2





#38
Benzo(g,h,i)perylene
Concen: 3.52 ng
RT: 26.43 min Scan# 3816
Delta R.T. -0.01 min
Lab File: BE090958.D
Acq: 23 Sep 2015 20:33

Tgt Ion:276 Resp: 198906

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	25.2	20.1	30.1