Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092315\
Data File : BE090953.D
Acq On : 23 Sep 2015 17:22
Operator : UM/IZ
Sample : G3651-07MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : CPS033031MSD

Quant Time: Sep 24 01:46:05 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	37811	5.00	ng		0.00
7) Naphthalene-d8	10.29	136	181332	5.00	ng		0.00
13) Acenaphthene-d10	14.15	164	101170	5.00	ng		-0.01
19) Phenanthrene-d10	16.91	188	228826	5.00	ng		0.00
26) Chrysene-d12	21.07	240	280899	5.00	ng		0.00
33) Perylene-d12	23.35	264	254430	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	14090	1.63	ng		0.00
5) Phenol-d6	6.76	99	11029	0.94	ng		0.00
8) Nitrobenzene-d5	8.69	82	35761	2.86	ng		-0.01
14) 2,4,6-Tribromophenol	15.67	330	20455	5.73	ng		-0.02
15) 2-Fluorobiphenyl	12.78	172	85704	2.99	ng		-0.02
28) Terphenyl-d14	19.52	244	145315	4.57	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.14	88	6430	1.17	ng		93
3) n-Nitrosodimethylamine	3.45	42	6835	0.93	ng	#	90
6) bis(2-Chloroethyl)ether	6.98	93	27499m	2.56	ng		
9) Nitrobenzene	8.73	77	36943	2.66	ng		97
10) Naphthalene	10.35	128	106090	2.98	ng		99
11) Hexachlorobutadiene	10.63	225	16199	3.05	ng		100
12) 2-Methylnaphthalene	11.97	142	72876	2.99	ng		99
16) Acenaphthylene	13.87	152	527563	3.00	ng		100
17) Acenaphthene	14.22	154	81932	3.02	ng		89
18) Fluorene	15.20	166	107611	3.46	ng		96
20) 4-Bromophenyl-phenylether	16.11	248	31309	3.54	ng		86
21) Hexachlorobenzene	16.23	284	136918	3.73	ng		98
22) Pentachlorophenol	16.58	266	22210	5.26	ng		97
23) Phenanthrene	16.94	178	195934	3.70	ng		99
24) Anthracene	17.03	178	183577	3.51	ng		100
25) Fluoranthene	18.95	202	237540	3.40	ng		99
27) Pyrene	19.31	202	259187	4.04	ng		99
29) Benzo(a)anthracene	21.05	228	239250	3.45	ng		99
30) Chrysene	21.10	228	255089	3.91	ng		99
31) Bis(2-ethylhexyl)phthalate	20.99	149	160623	5.01	ng		99
32) Indeno(1,2,3-cd)pyrene	25.71	276	256878	3.14	ng		99
34) Benzo(b)fluoranthene	22.65	252	223387	3.75	ng		99
35) Benzo(k)fluoranthene	22.70	252	256803	3.75	ng		99
36) Benzo(a)pyrene	23.24	252	225476	3.98	ng	#	91
37) Dibenzo(a,h)anthracene	25.73	278	209553	3.56	ng		99
38) Benzo(g,h,i)perylene	26.42	276	220252	3.49	ng		98

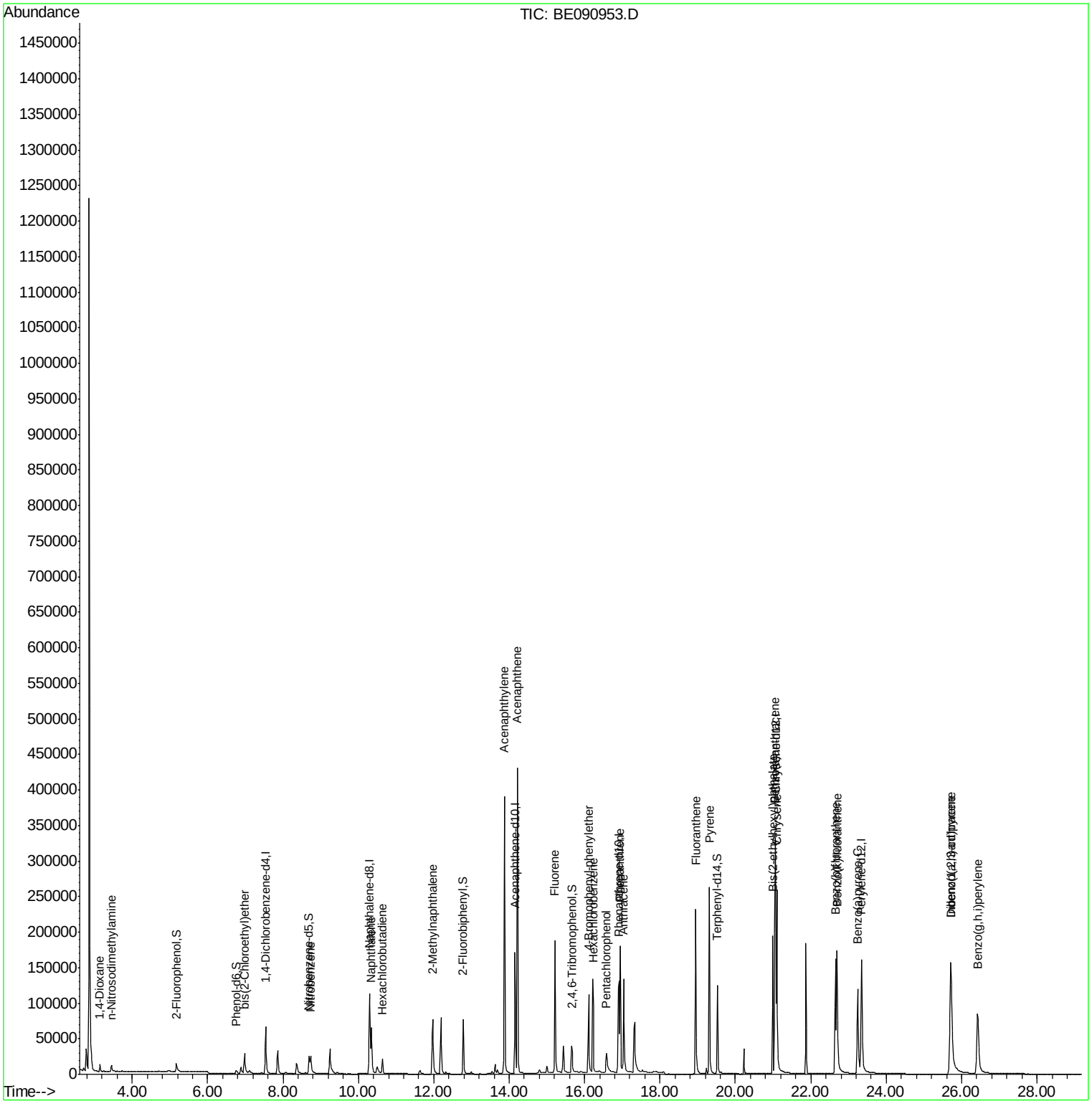
(#) = qualifier out of range (m) = manual integration (+) = signals summed

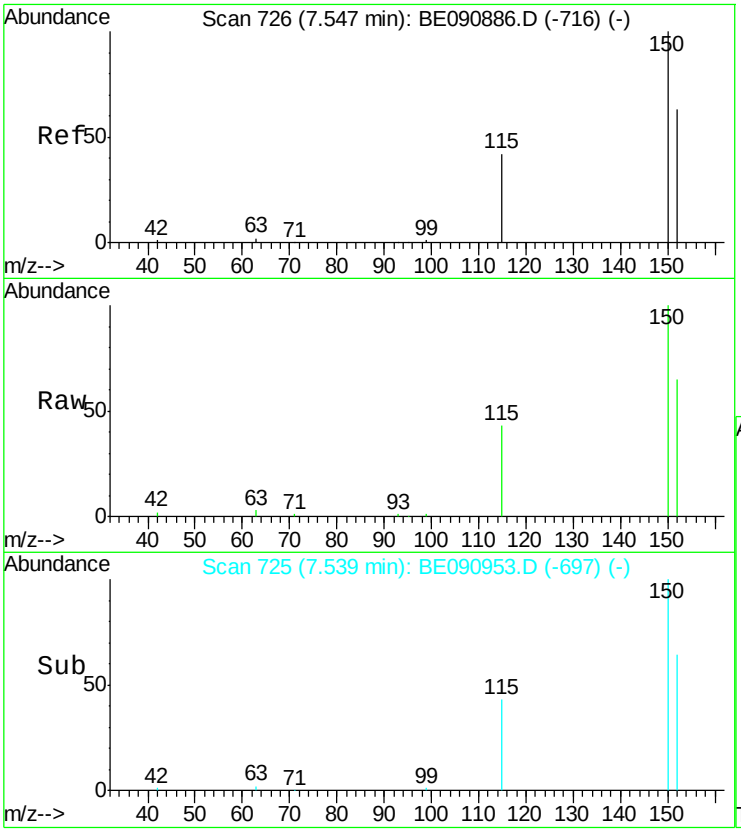
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092315\
Data File : BE090953.D
Acq On : 23 Sep 2015 17:22
Operator : UM/IZ
Sample : G3651-07MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Quant Time: Sep 24 01:46:05 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



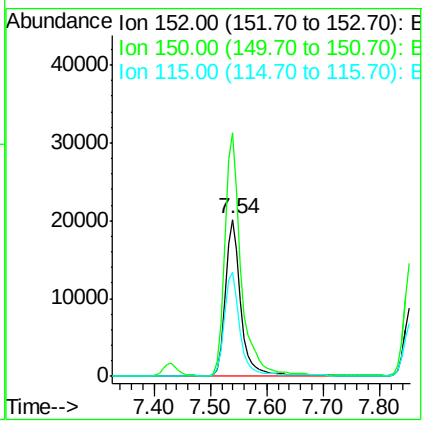


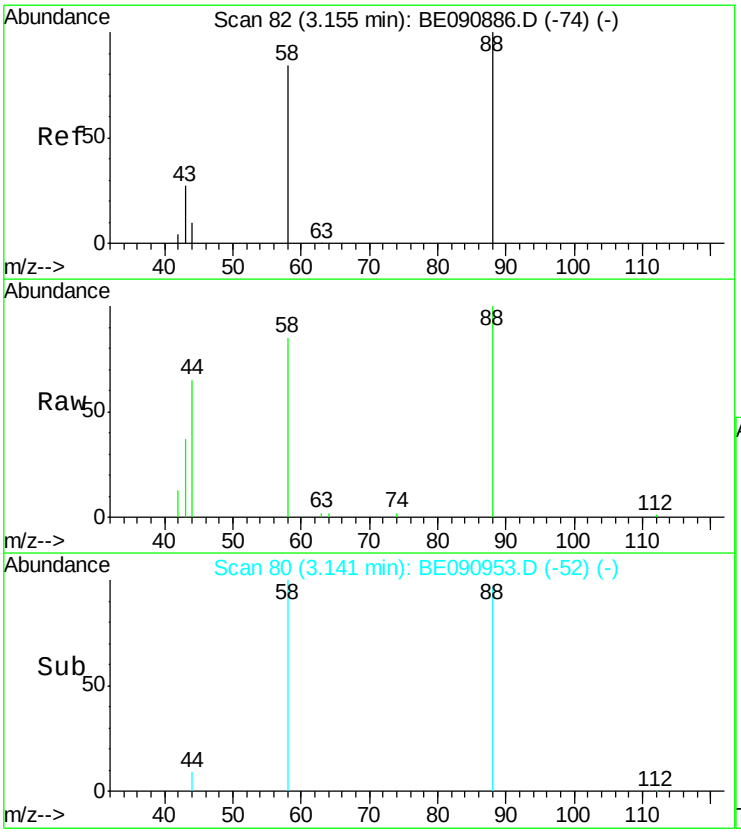
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.54 min Scan# 725
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:152 Resp: 37811

Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.2	183.4
115	66.4	51.0	76.4

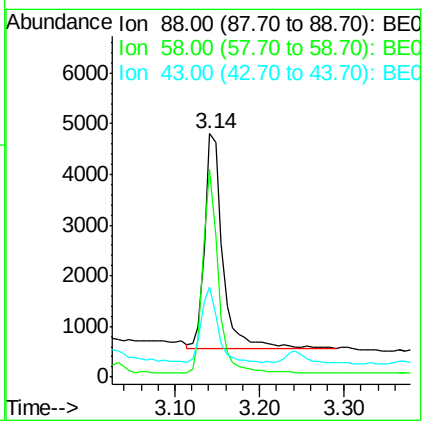


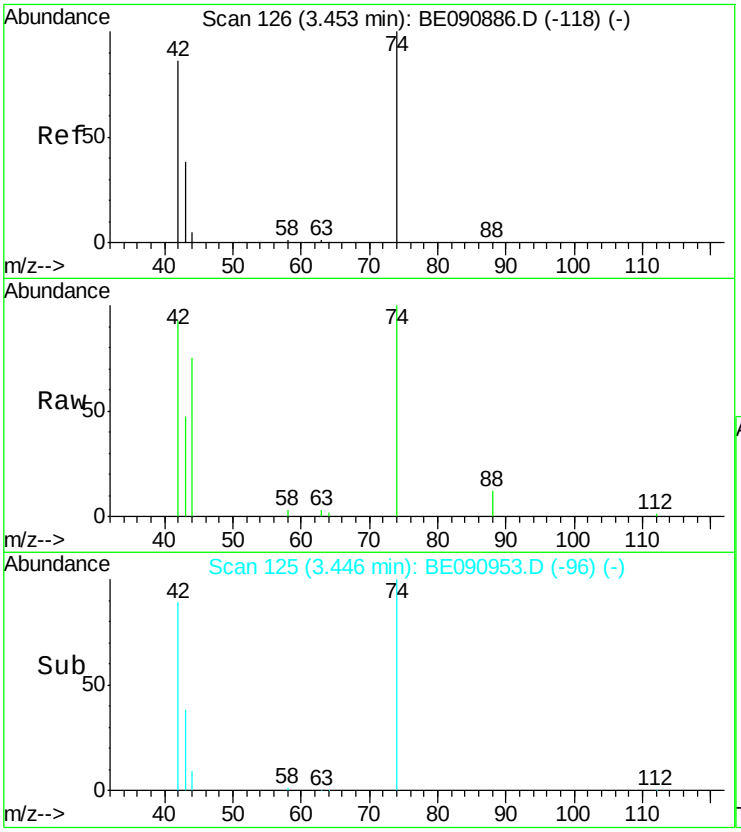


#2
1,4-Dioxane
Concen: 1.17 ng
RT: 3.14 min Scan# 80
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion: 88 Resp: 6430

Ion	Ratio	Lower	Upper
88	100		
58	78.7	68.4	102.6
43	31.2	26.9	40.3



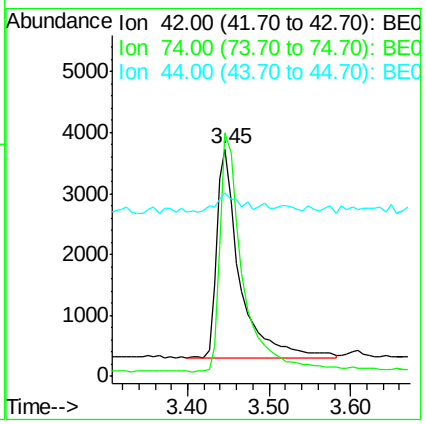


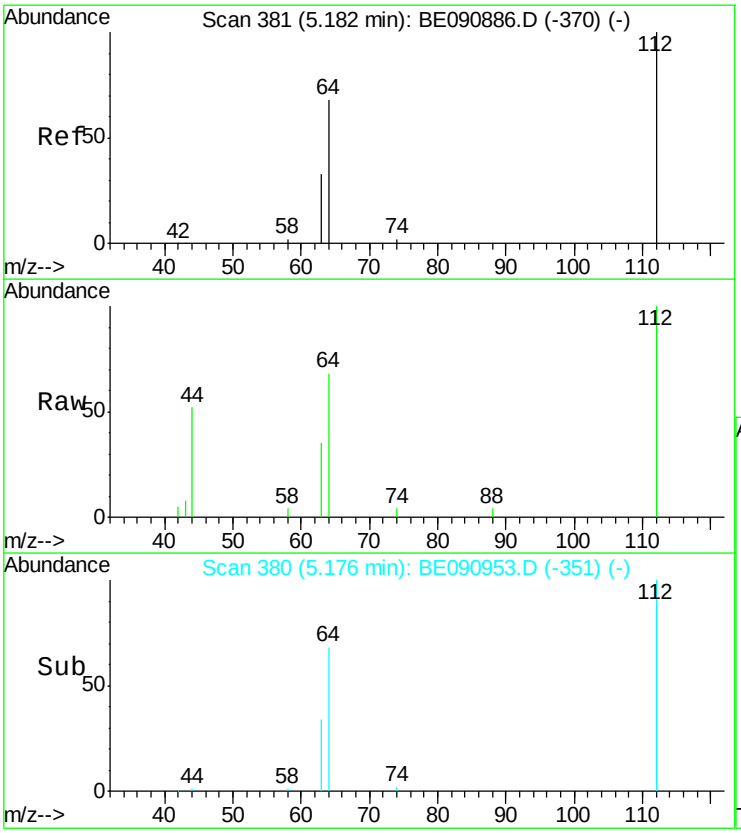
#3
n-Nitrosodimethylamine
Concen: 0.93 ng
RT: 3.45 min Scan# 125
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion: 42 Resp: 6835

Ion	Ratio	Lower	Upper
42	100		
74	114.6	83.7	125.5
44	8.6	10.0	15.0#

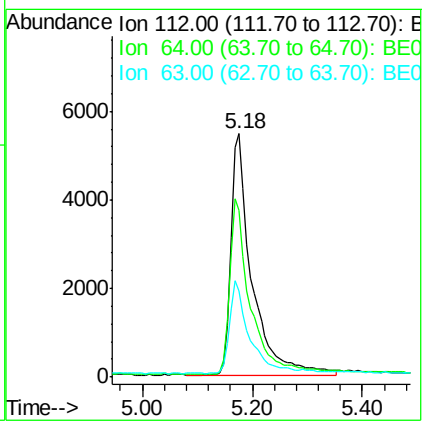


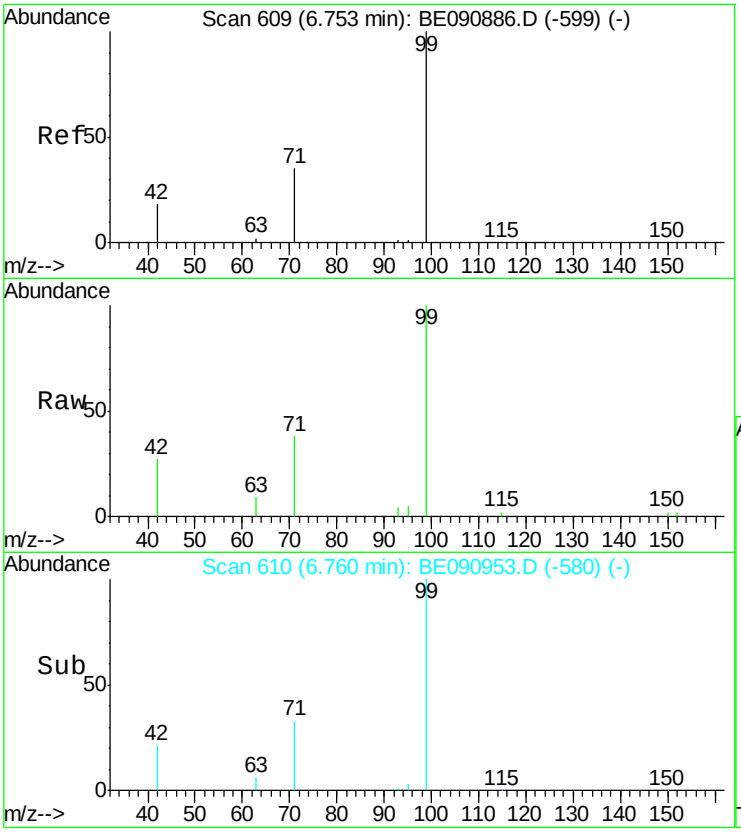


#4
2-Fluorophenol
Concen: 1.63 ng
RT: 5.18 min Scan# 380
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:112 Resp: 14090

Ion	Ratio	Lower	Upper
112	100		
64	71.6	57.3	85.9
63	35.7	29.2	43.8



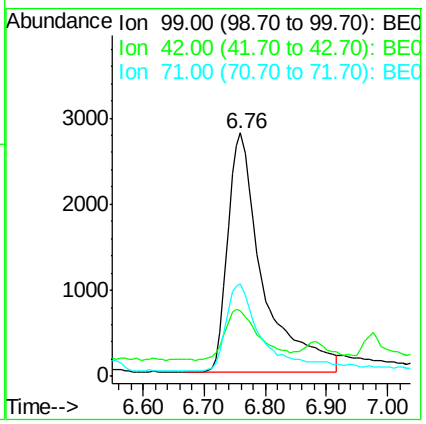


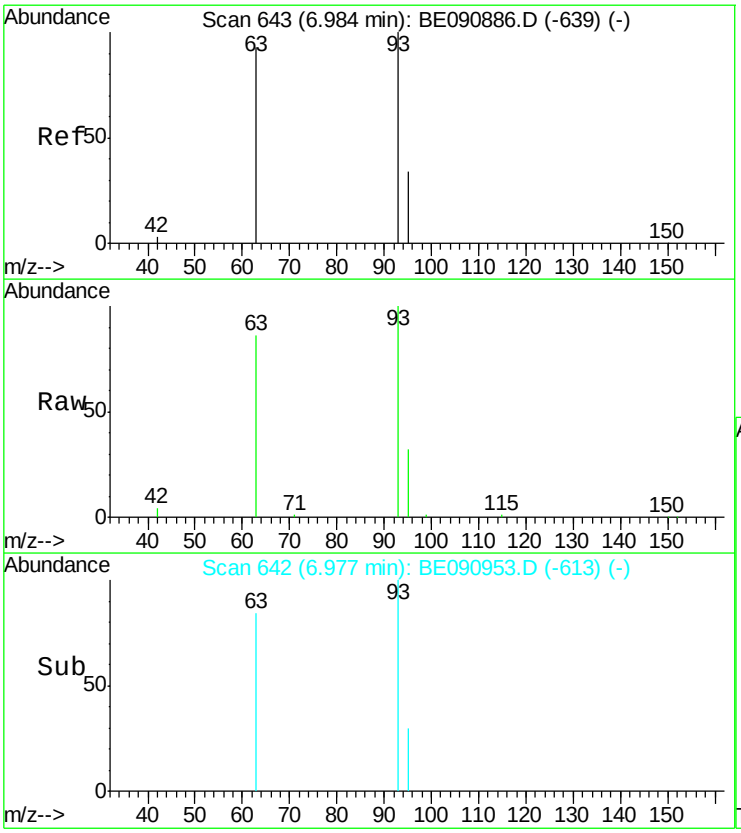
#5
Phenol-d6
Concen: 0.94 ng
RT: 6.76 min Scan# 610
Delta R.T. 0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion: 99 Resp: 11029

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.8	25.2
71	36.2	28.3	42.5

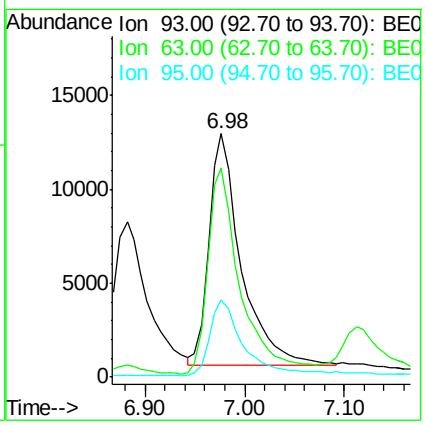


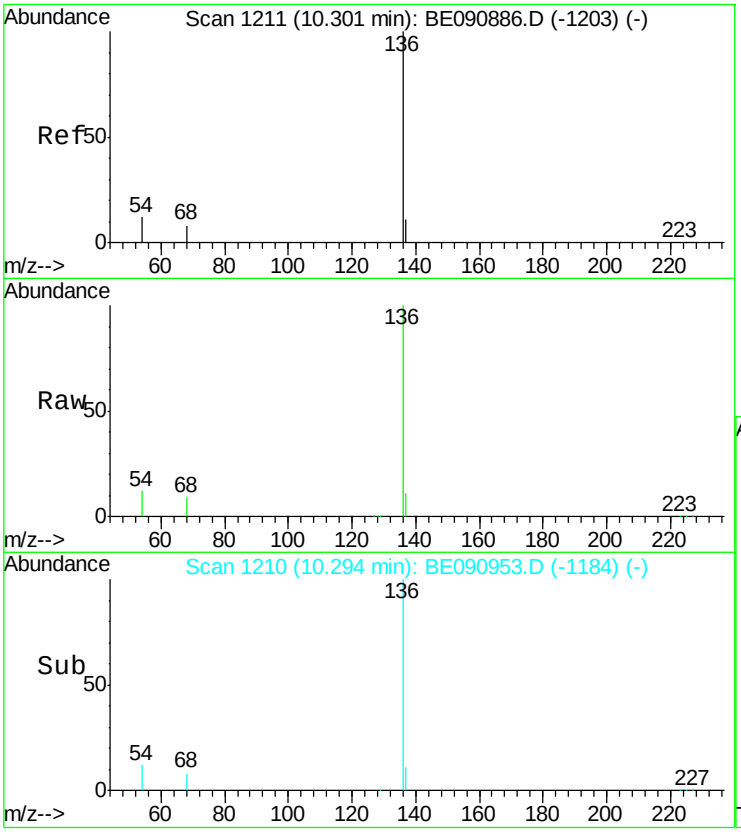


#6
bis(2-Chloroethyl)ether
Concen: 2.56 ng m
RT: 6.98 min Scan# 642
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion: 93 Resp: 27499

Ion	Ratio	Lower	Upper
93	100		
63	91.0	68.5	102.7
95	36.1	26.9	40.3



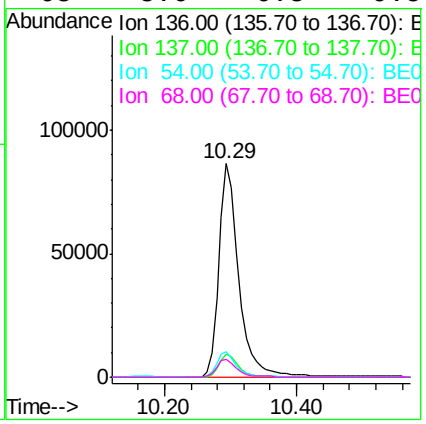


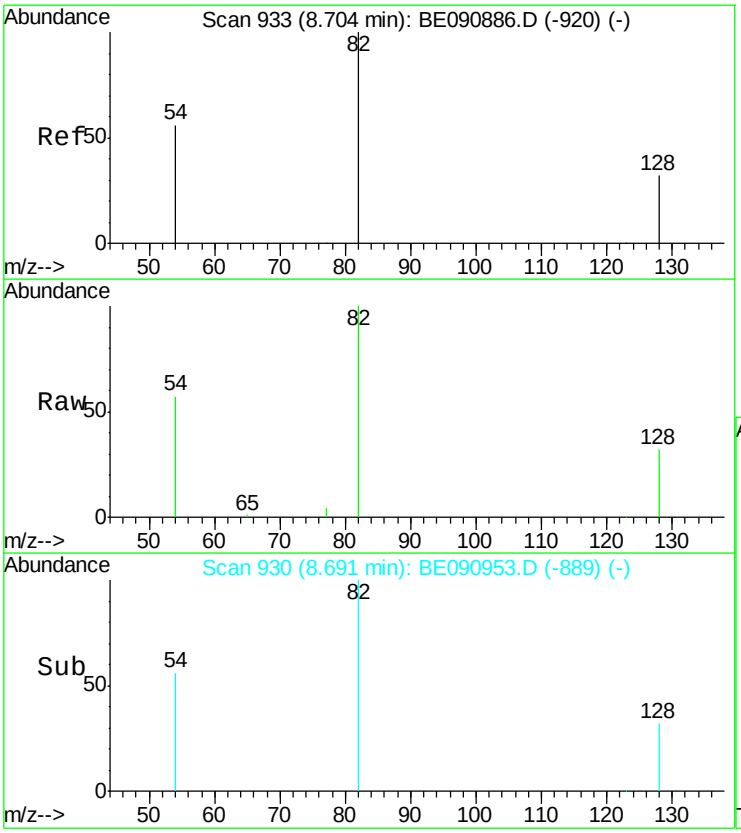
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.29 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:136 Resp: 181332

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.9	9.0	13.6
68	8.6	6.3	9.5

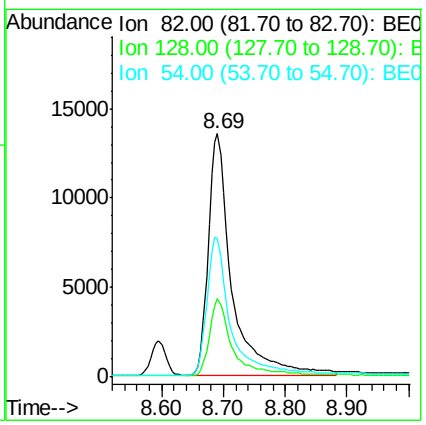


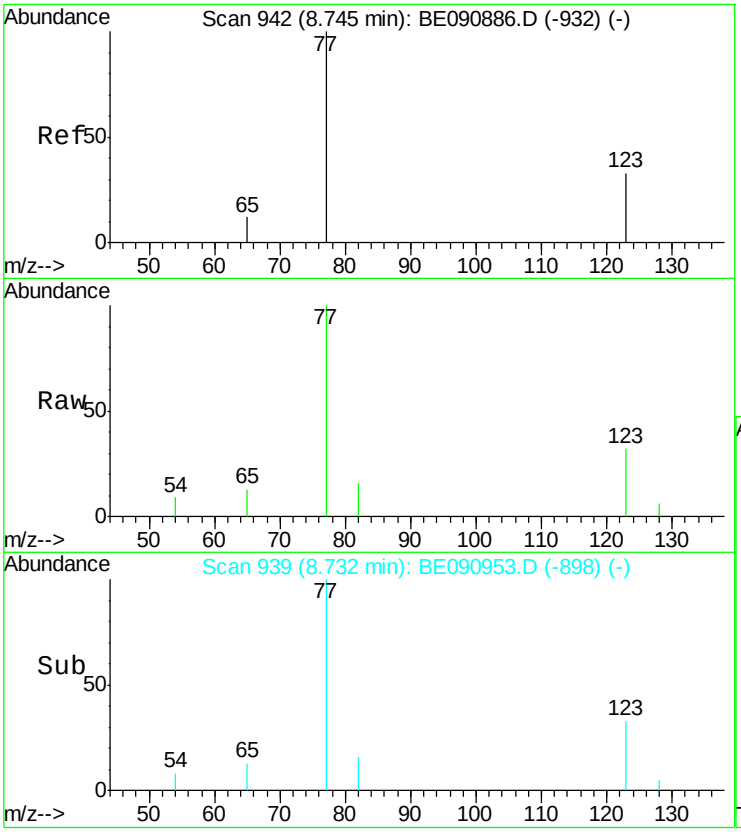


#8
Nitrobenzene-d5
Concen: 2.86 ng
RT: 8.69 min Scan# 930
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion: 82 Resp: 35761

Ion	Ratio	Lower	Upper
82	100		
128	32.4	25.0	37.4
54	56.8	46.3	69.5



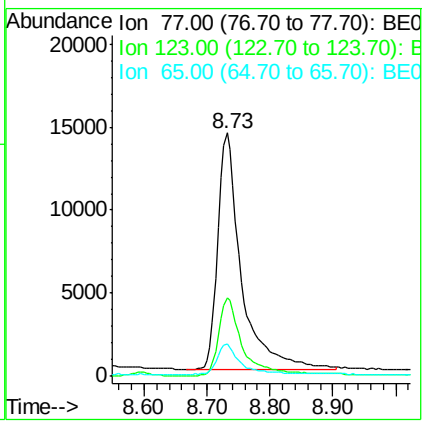


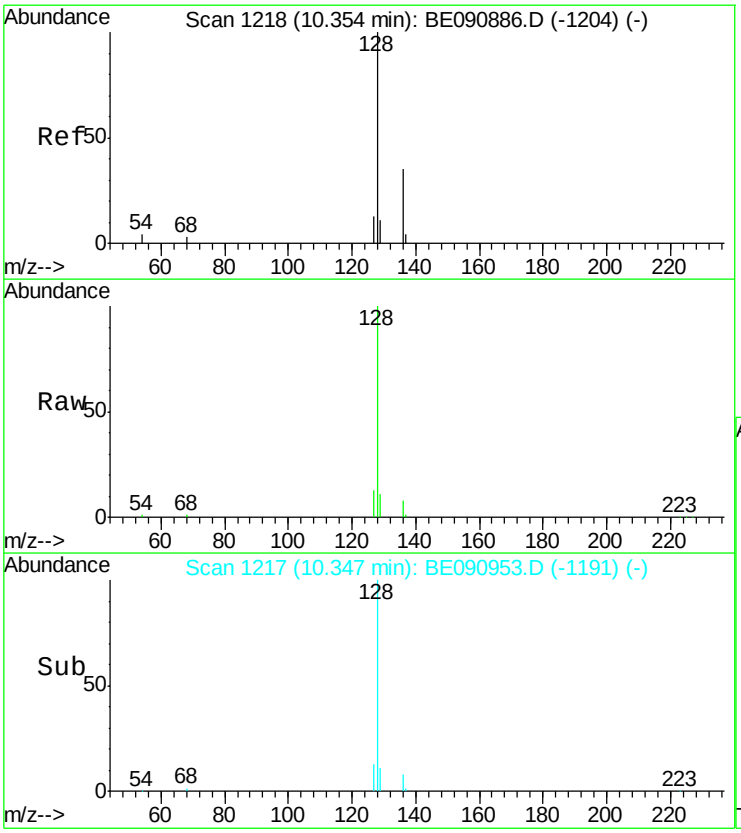
#9
Nitrobenzene
Concen: 2.66 ng
RT: 8.73 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion: 77 Resp: 36943

Ion	Ratio	Lower	Upper
77	100		
123	33.6	25.1	37.7
65	13.2	9.9	14.9

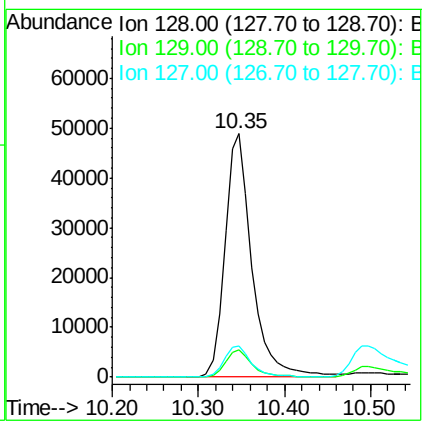


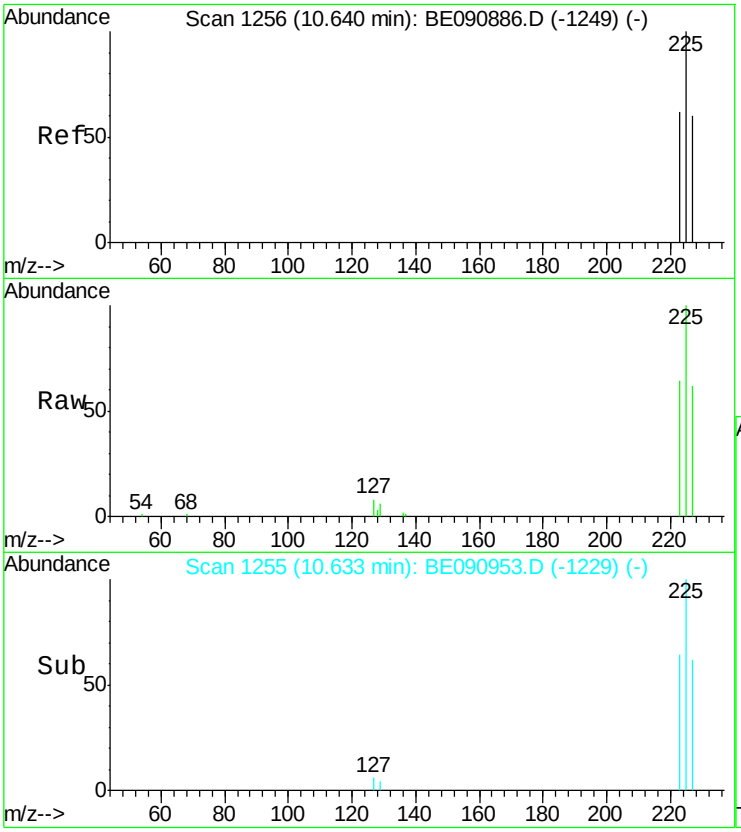


#10
Naphthalene
Concen: 2.98 ng
RT: 10.35 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:128 Resp: 106090

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	12.8	9.9	14.9



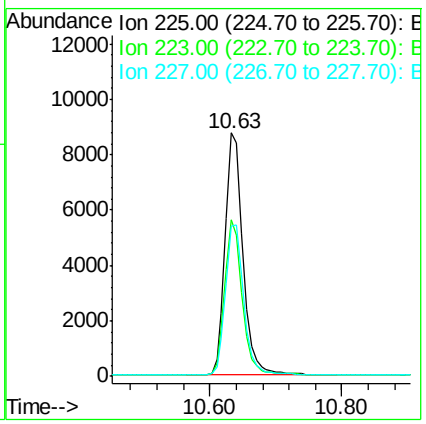


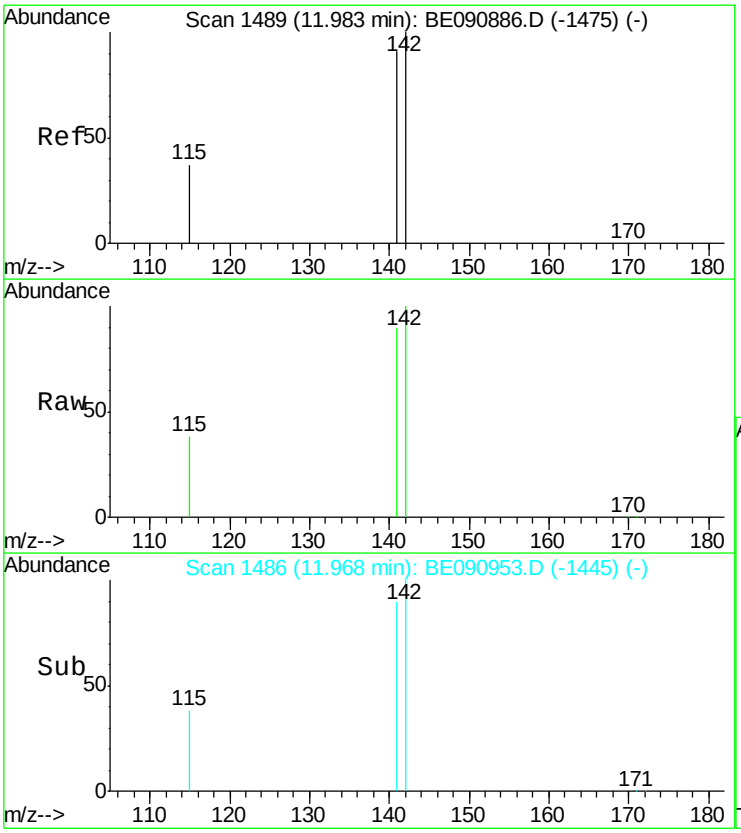
#11
Hexachlorobutadiene
Concen: 3.05 ng
RT: 10.63 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:225 Resp: 16199

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	63.6	51.0	76.6

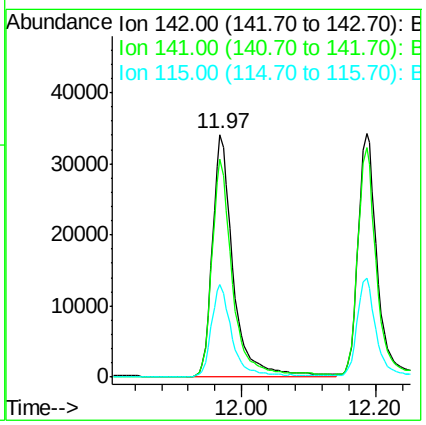


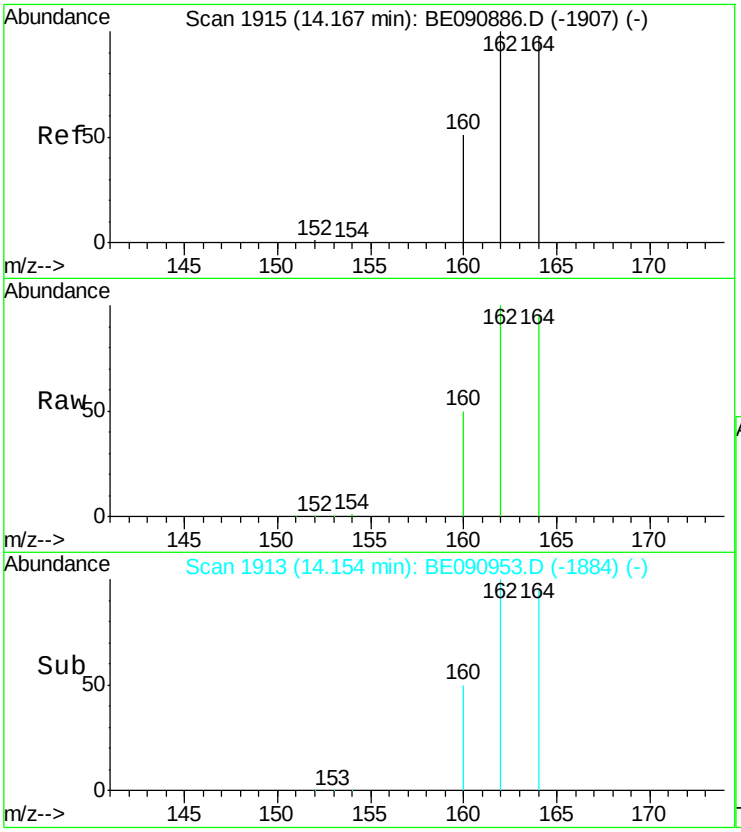


#12
2-Methylnaphthalene
Concen: 2.99 ng
RT: 11.97 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:142 Resp: 72876

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.4	107.2
115	38.3	31.0	46.4



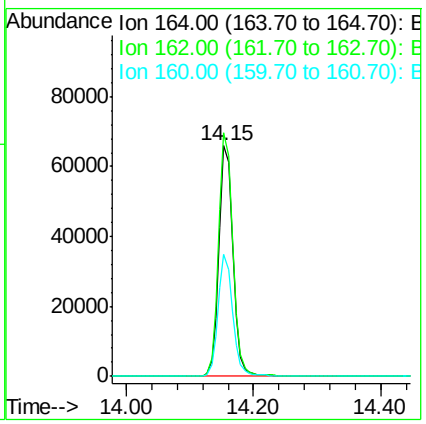


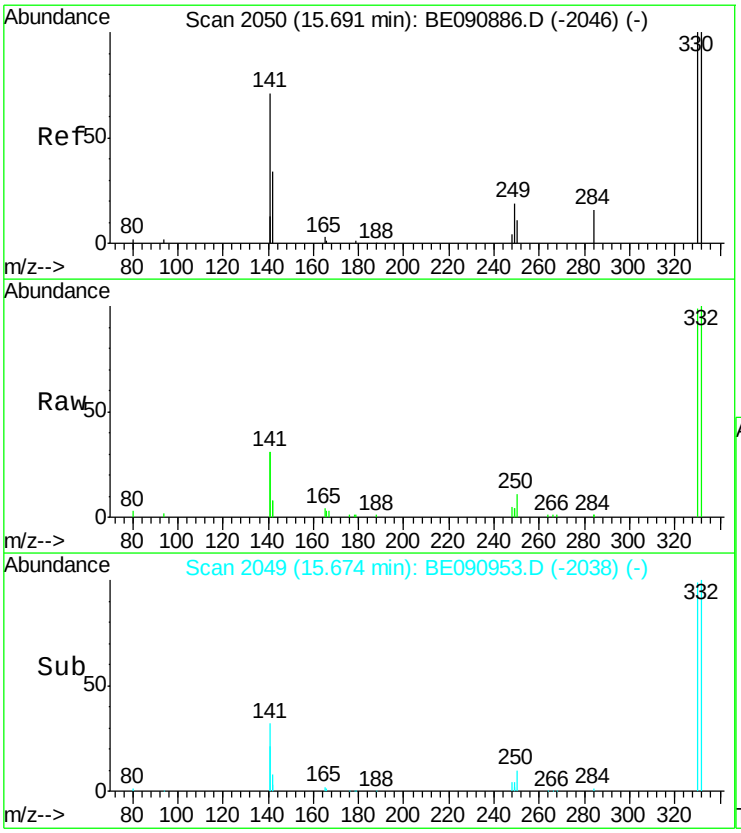
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.15 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:164 Resp: 101170

Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.8	130.2
160	53.0	53.9	80.9#

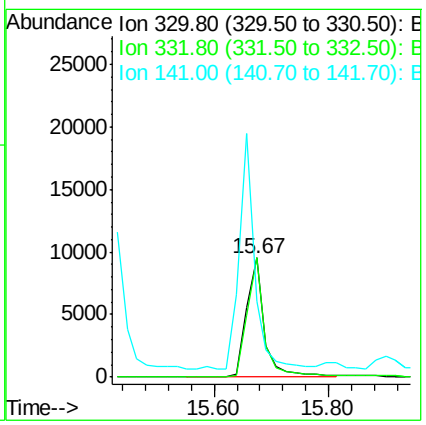


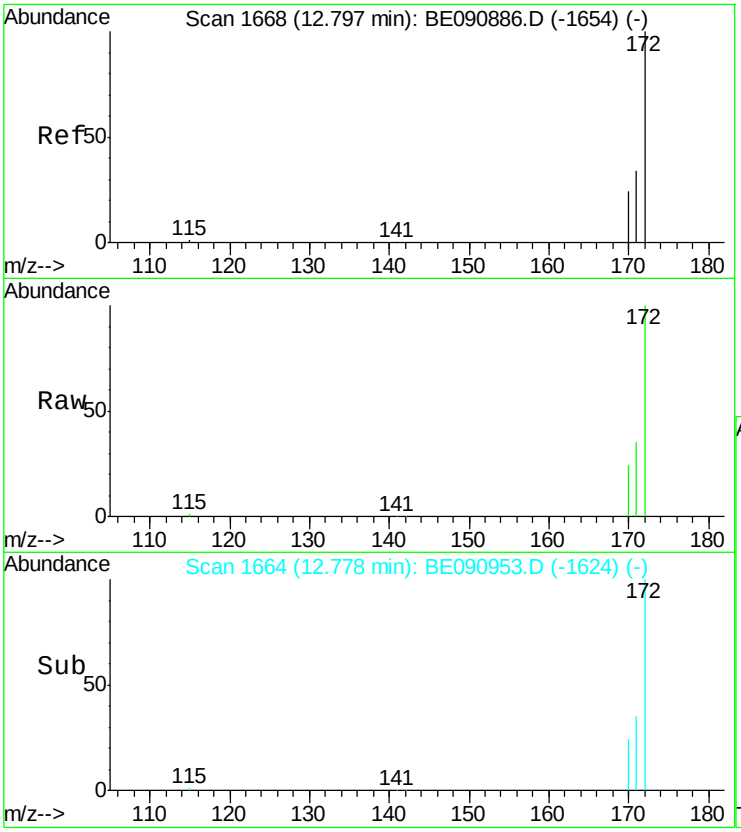


#14
2,4,6-Tribromophenol
Concen: 5.73 ng
RT: 15.67 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:330 Resp: 20455

Ion	Ratio	Lower	Upper
330	100		
332	96.9	74.9	112.3
141	174.0	145.2	217.8



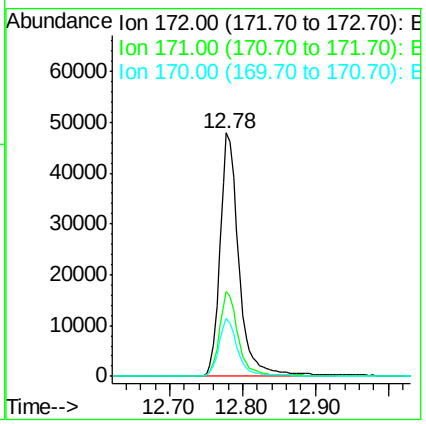


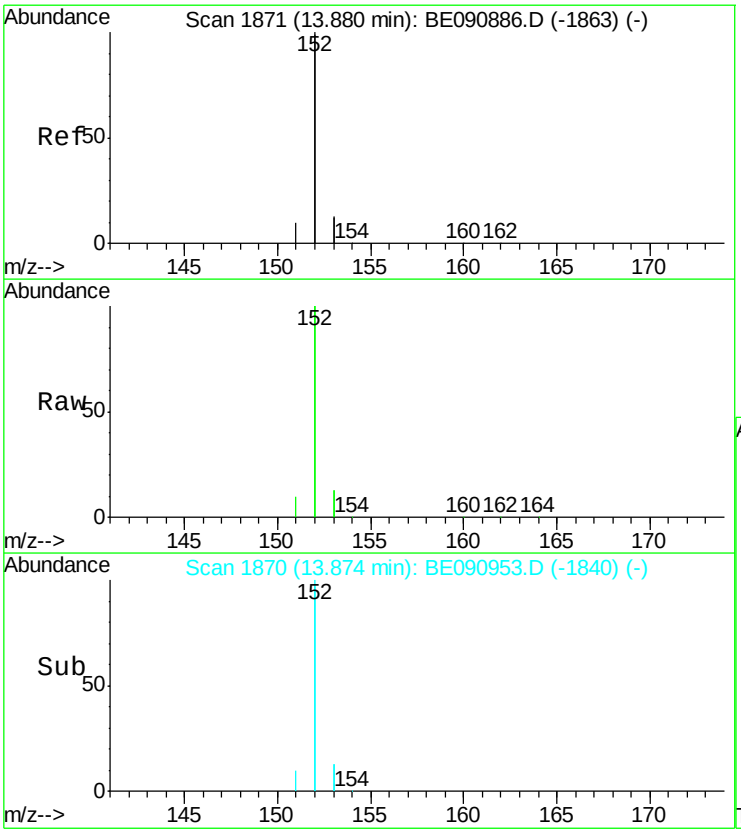
#15
2-Fluorobiphenyl
Concen: 2.99 ng
RT: 12.78 min Scan# 1664
Delta R.T. -0.02 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:172 Resp: 85704

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.8
170	24.0	19.8	29.6

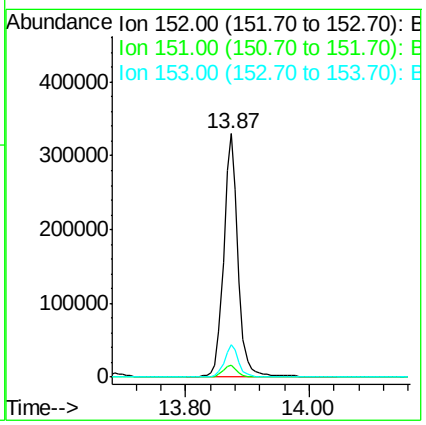


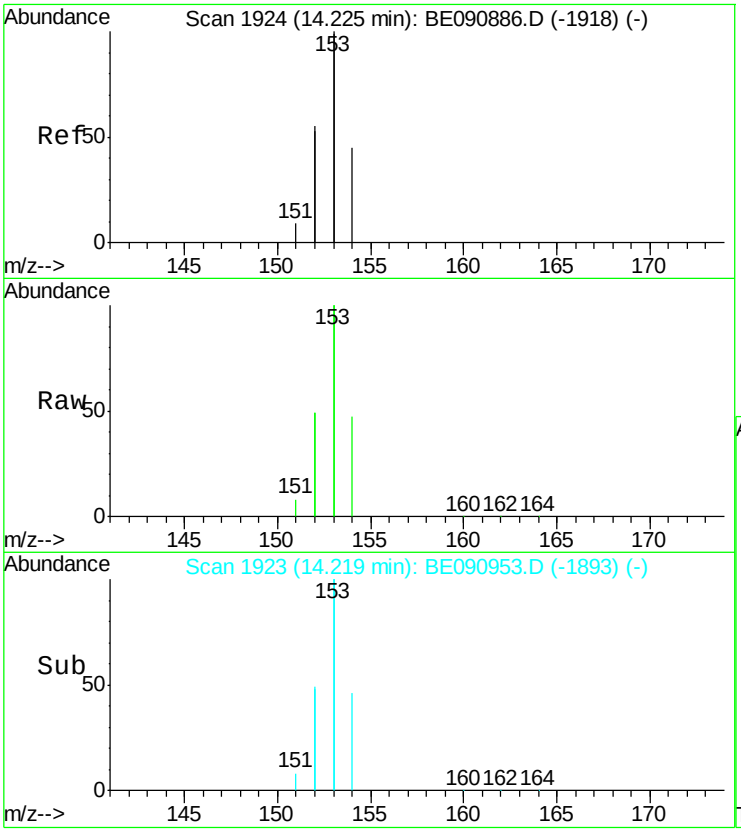


#16
Acenaphthylene
Concen: 3.00 ng
RT: 13.87 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:152 Resp: 527563

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



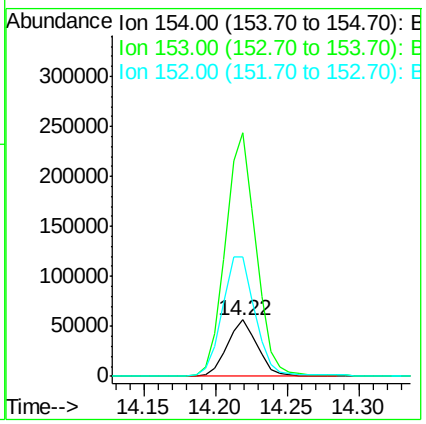


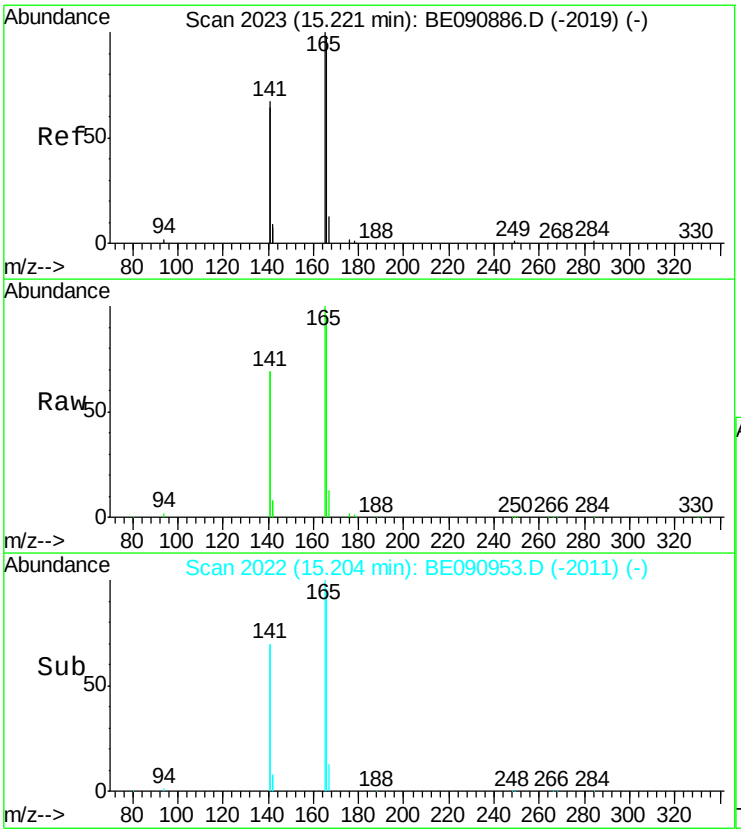
#17
Acenaphthene
Concen: 3.02 ng
RT: 14.22 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:154 Resp: 81932

Ion	Ratio	Lower	Upper
154	100		
153	442.0	354.5	531.7
152	231.6	227.8	341.6

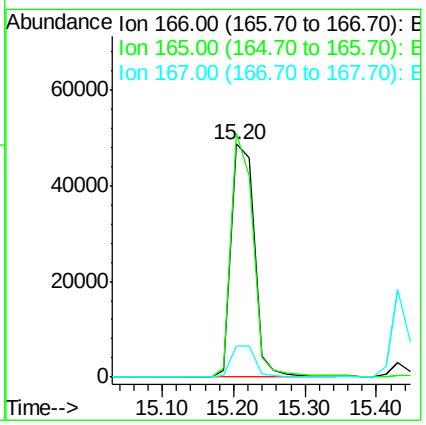


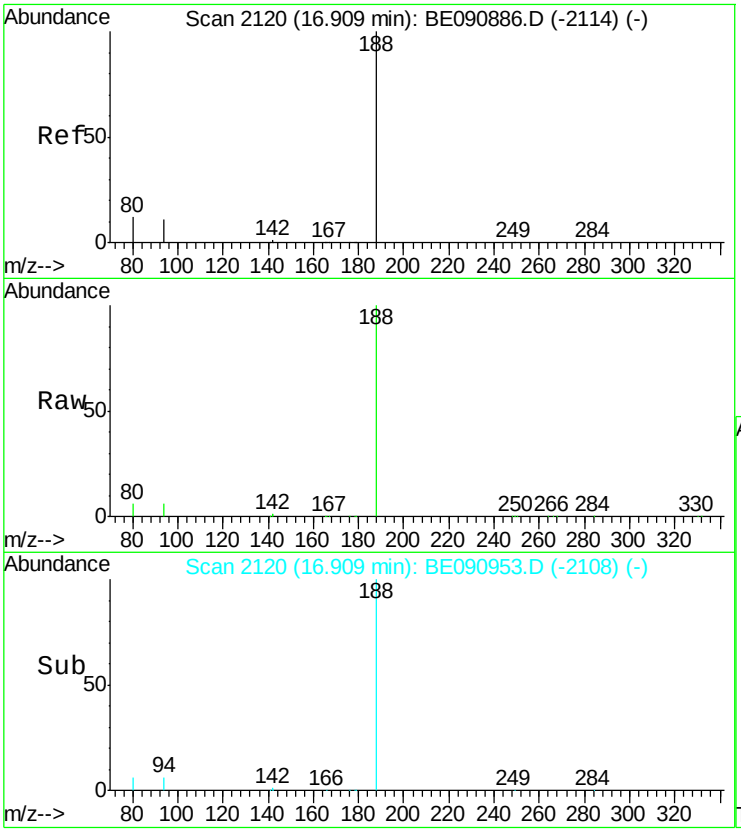


#18
Fluorene
Concen: 3.46 ng
RT: 15.20 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:166 Resp: 107611

Ion	Ratio	Lower	Upper
166	100		
165	98.6	82.7	124.1
167	13.8	10.7	16.1



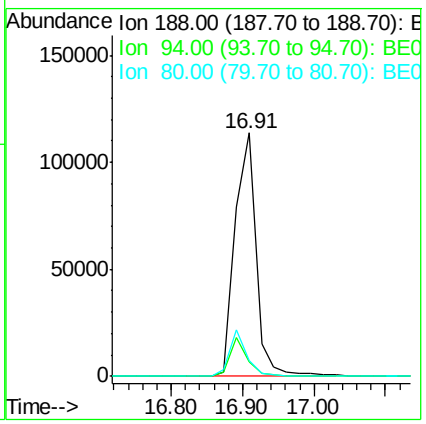


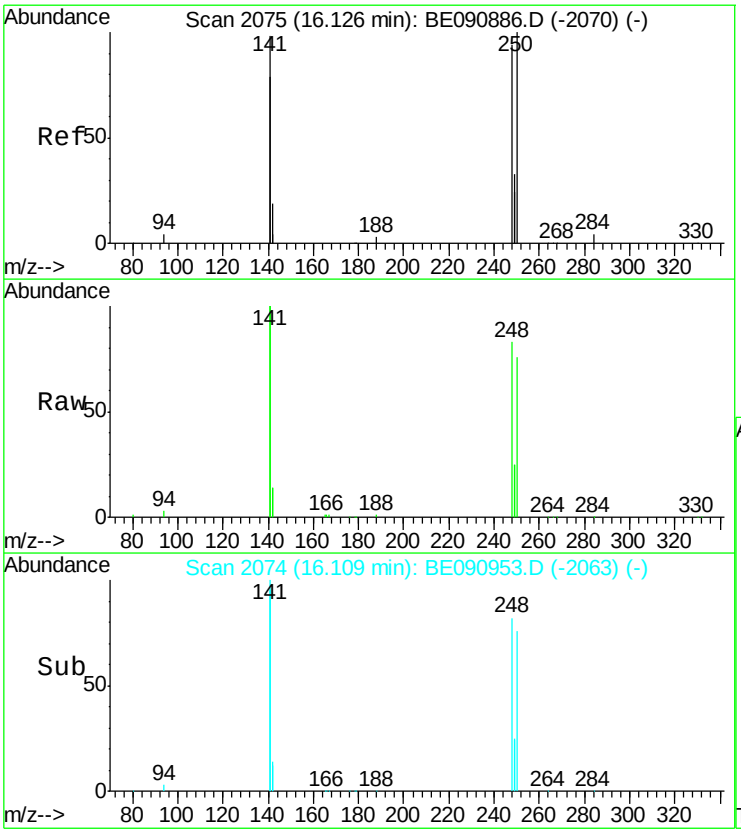
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:188 Resp: 228826

Ion	Ratio	Lower	Upper
188	100		
94	6.0	10.3	15.5#
80	6.3	11.0	16.6#

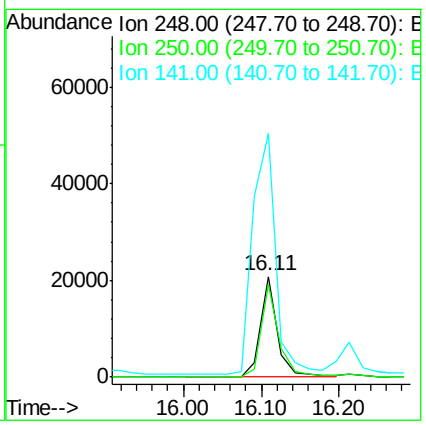


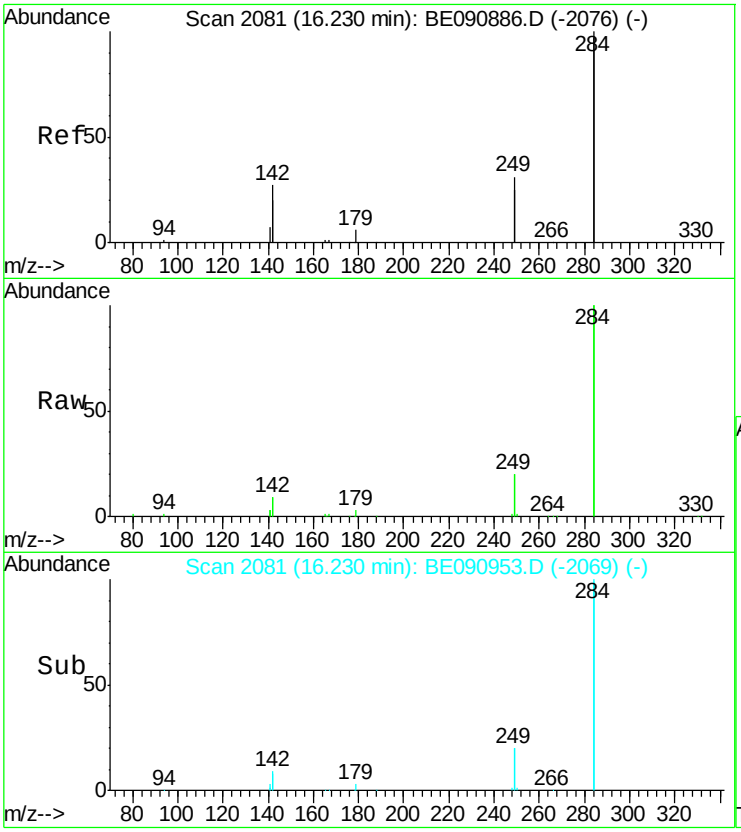


#20
4-Bromophenyl-phenylether
Concen: 3.54 ng
RT: 16.11 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:248 Resp: 31309

Ion	Ratio	Lower	Upper
248	100		
250	95.5	76.7	115.1
141	327.0	292.6	439.0



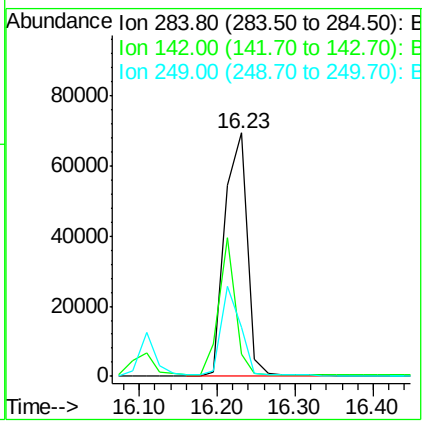


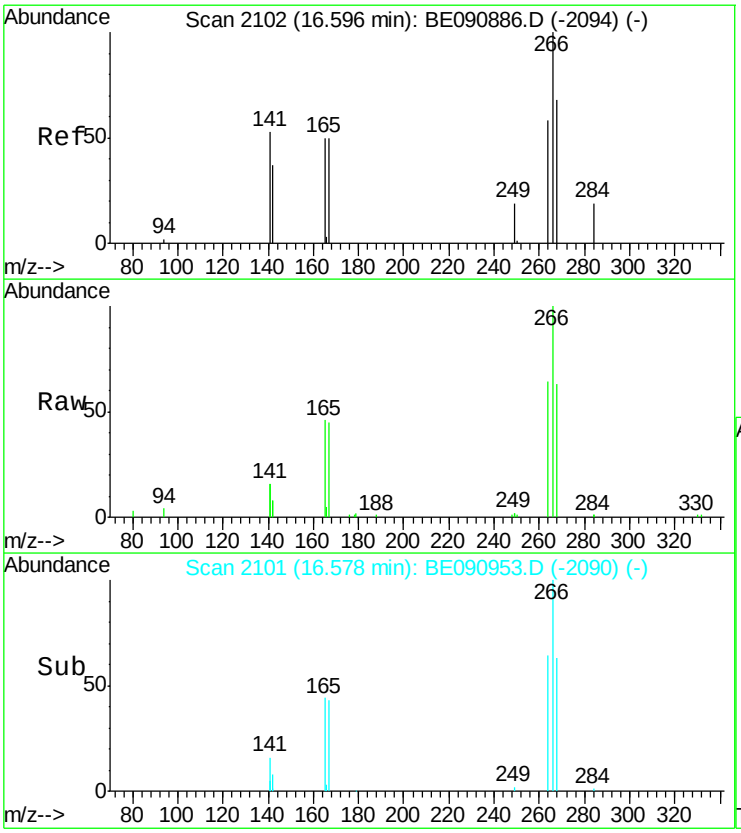
#21
Hexachlorobenzene
Concen: 3.73 ng
RT: 16.23 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:284 Resp: 136918

Ion	Ratio	Lower	Upper
284	100		
142	42.0	35.0	52.4
249	31.7	25.5	38.3

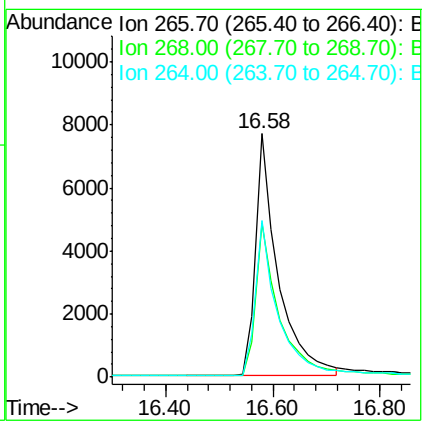


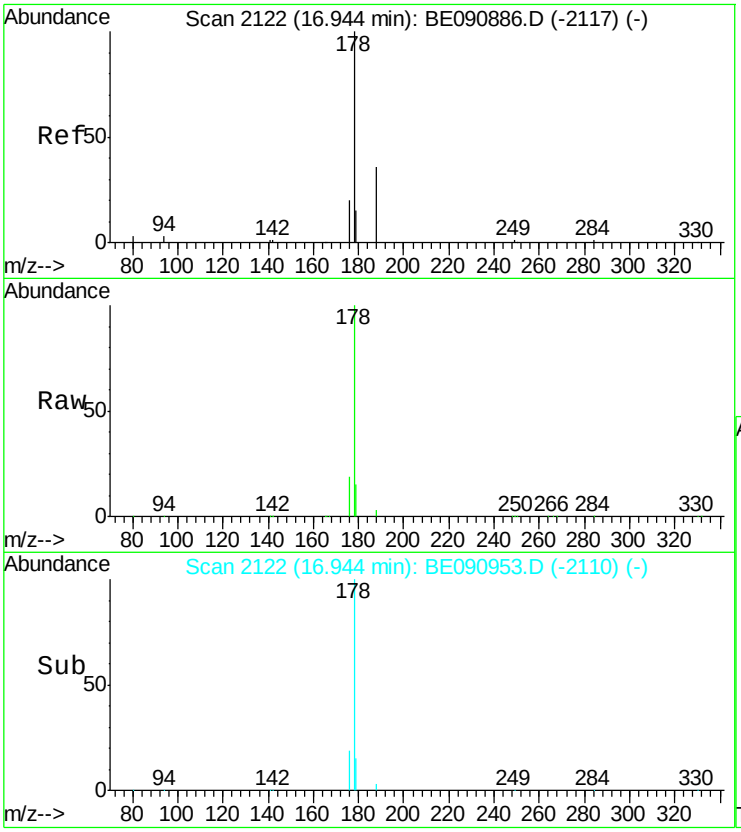


#22
Pentachlorophenol
Concen: 5.26 ng
RT: 16.58 min Scan# 2101
Delta R.T. -0.02 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:266 Resp: 22210

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.6	74.4
264	64.5	53.9	80.9



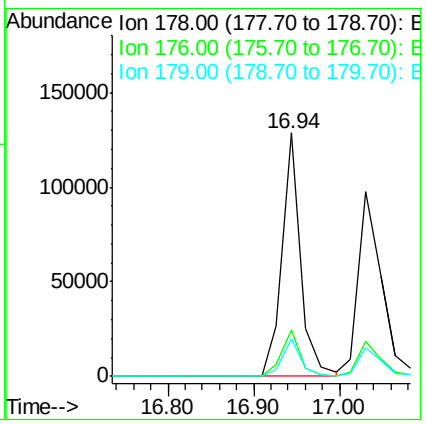


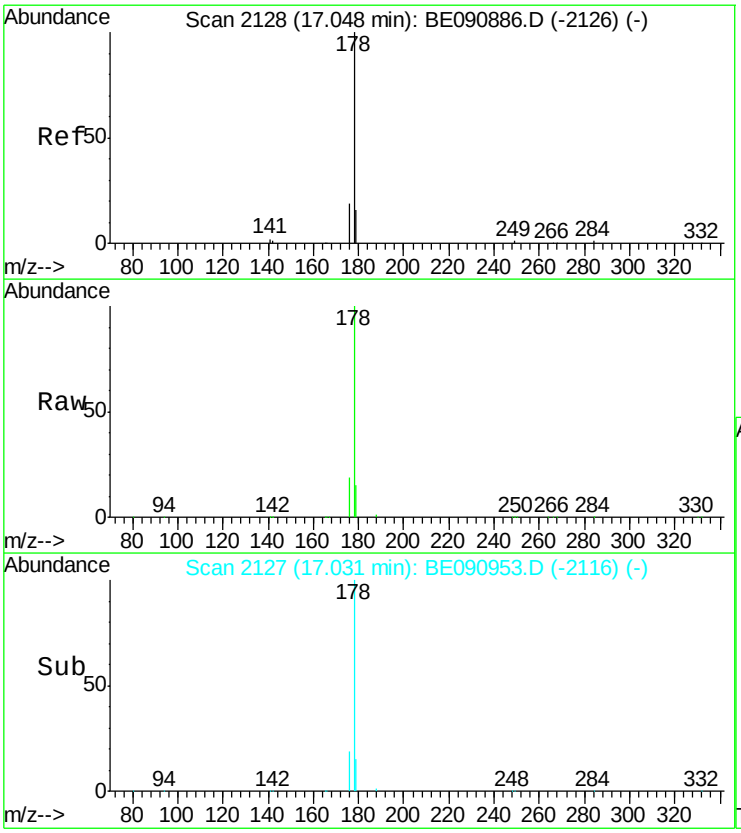
#23
Phenanthrene
Concen: 3.70 ng
RT: 16.94 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:178 Resp: 195934

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.3	12.8	19.2

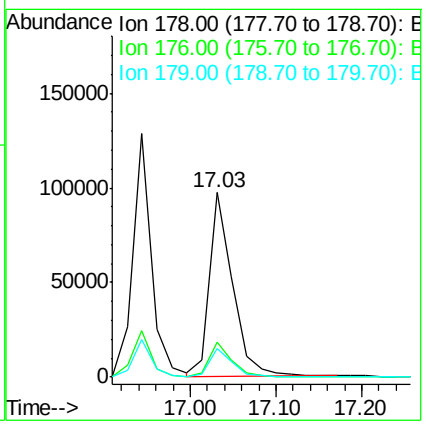


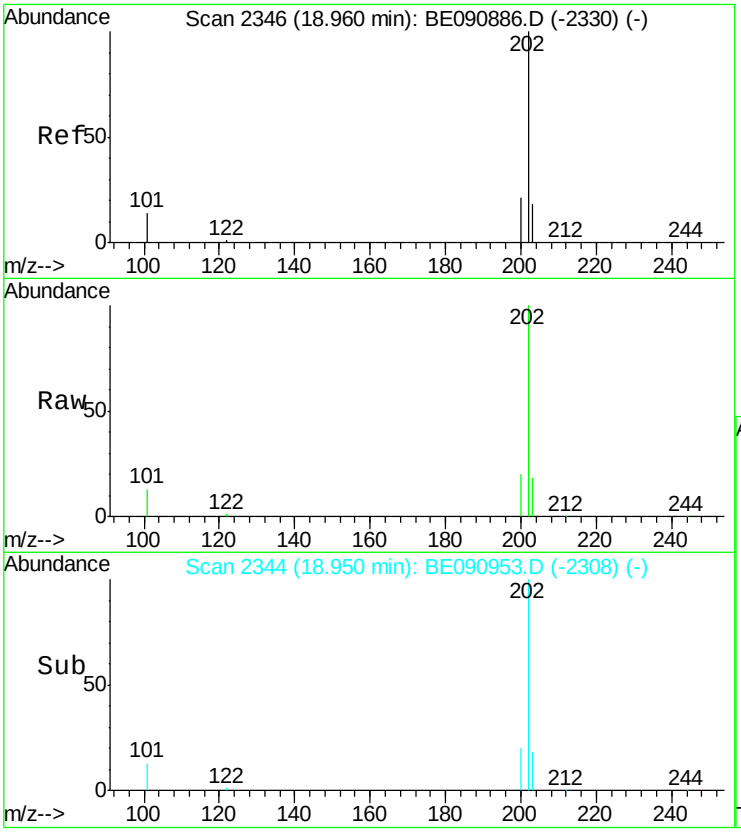


#24
Anthracene
Concen: 3.51 ng
RT: 17.03 min Scan# 2127
Delta R.T. -0.02 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:178 Resp: 183577

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.3	12.3	18.5



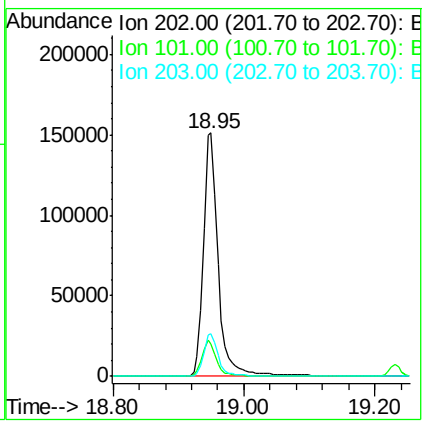


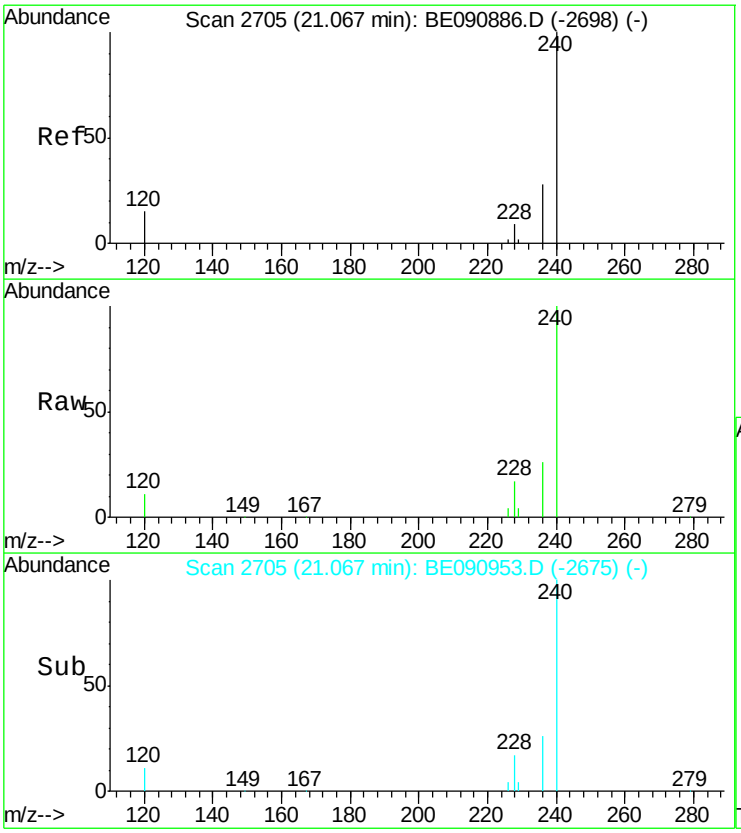
#25
Fluoranthene
Concen: 3.40 ng
RT: 18.95 min Scan# 2344
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:202 Resp: 237540

Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.6
203	17.0	13.9	20.9

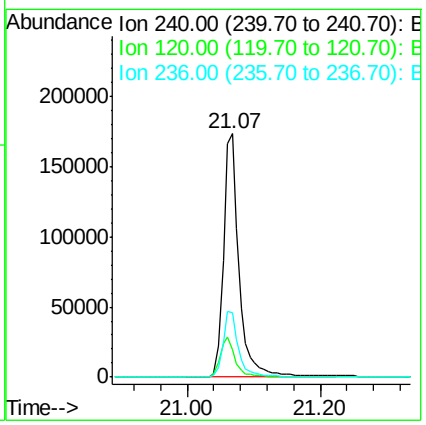


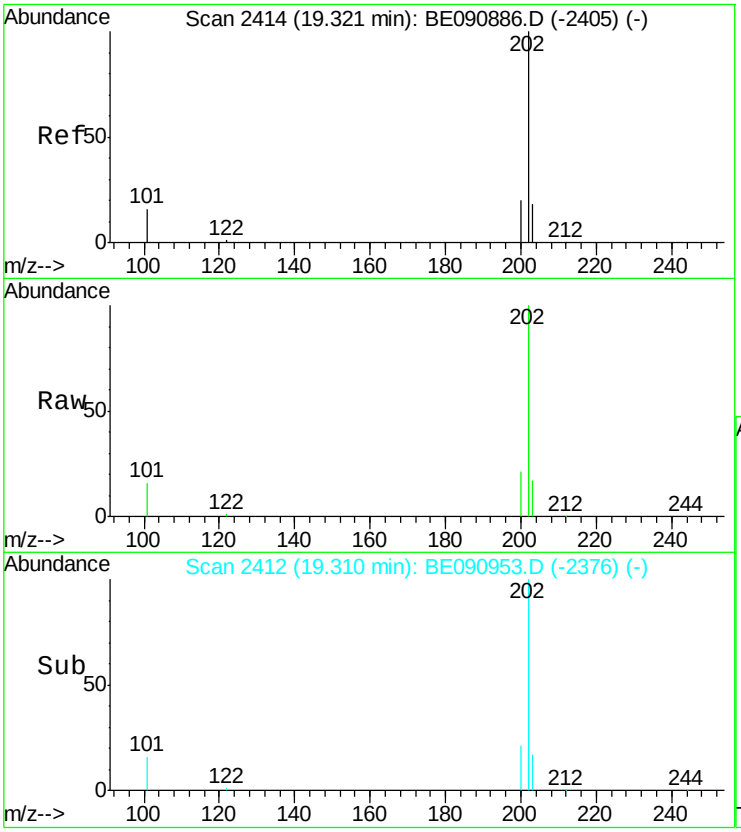


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2705
Delta R.T. 0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:240 Resp: 280899

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.1	15.1
236	26.4	21.9	32.9



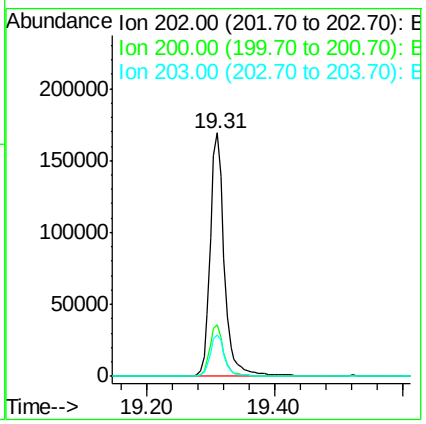


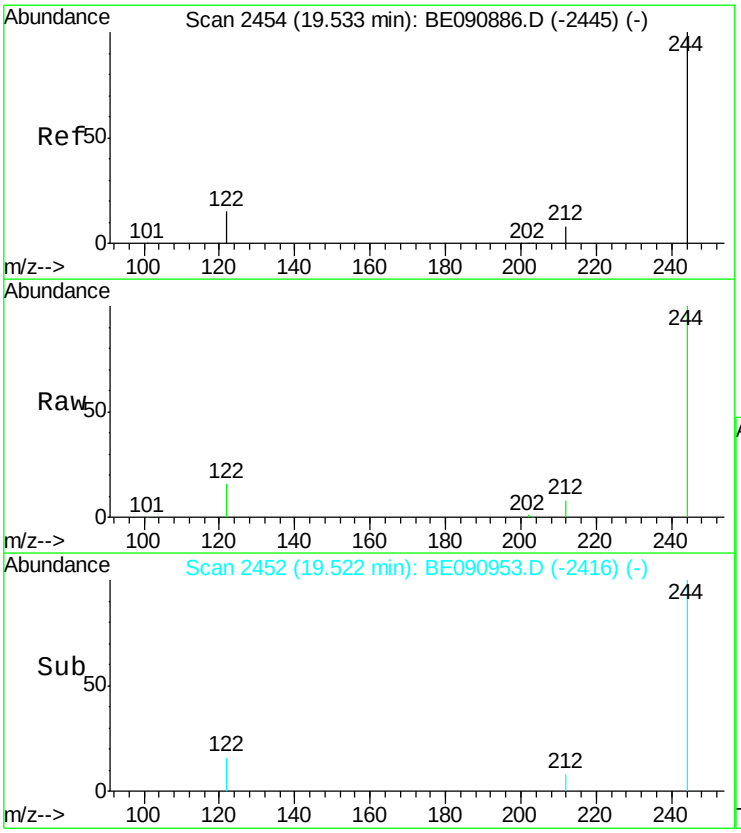
#27
Pyrene
Concen: 4.04 ng
RT: 19.31 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:202 Resp: 259187

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	13.8	20.6

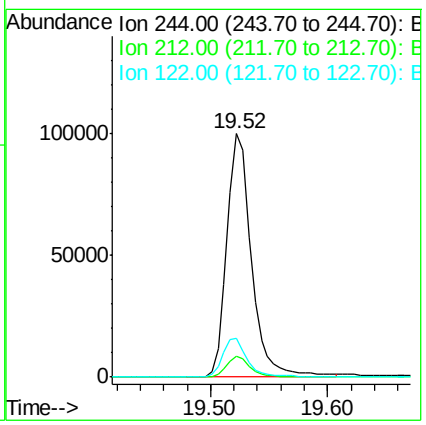


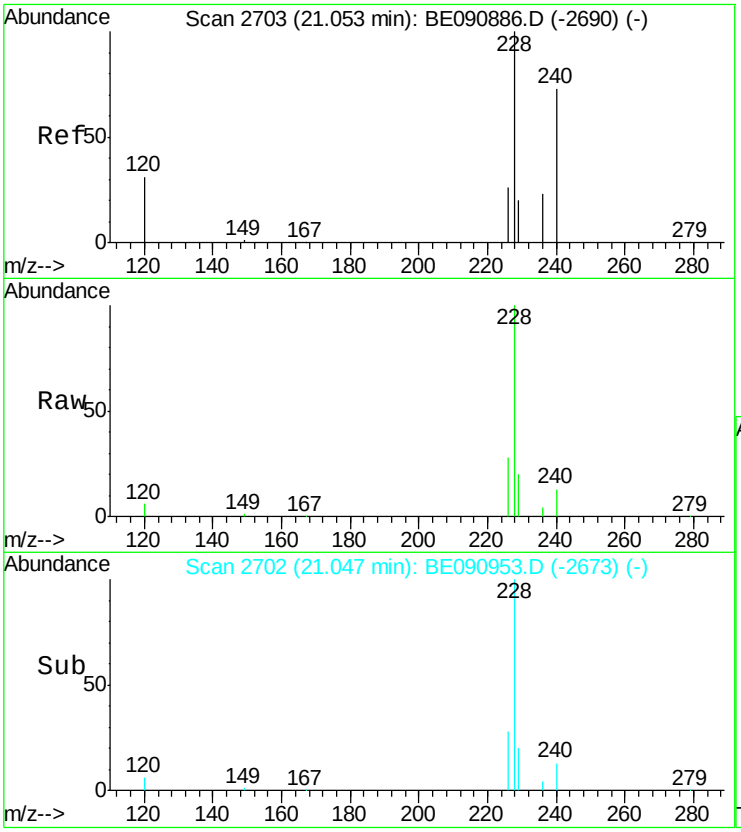


#28
Terphenyl-d14
Concen: 4.57 ng
RT: 19.52 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:244 Resp: 145315

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.9	10.3
122	15.8	12.9	19.3



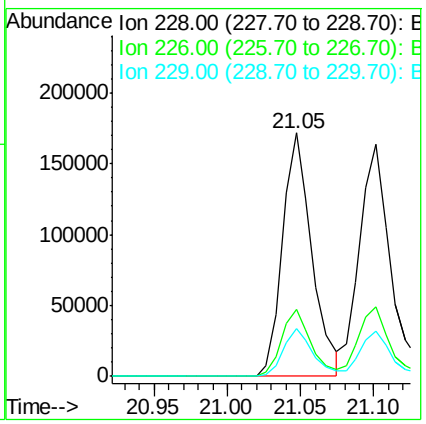


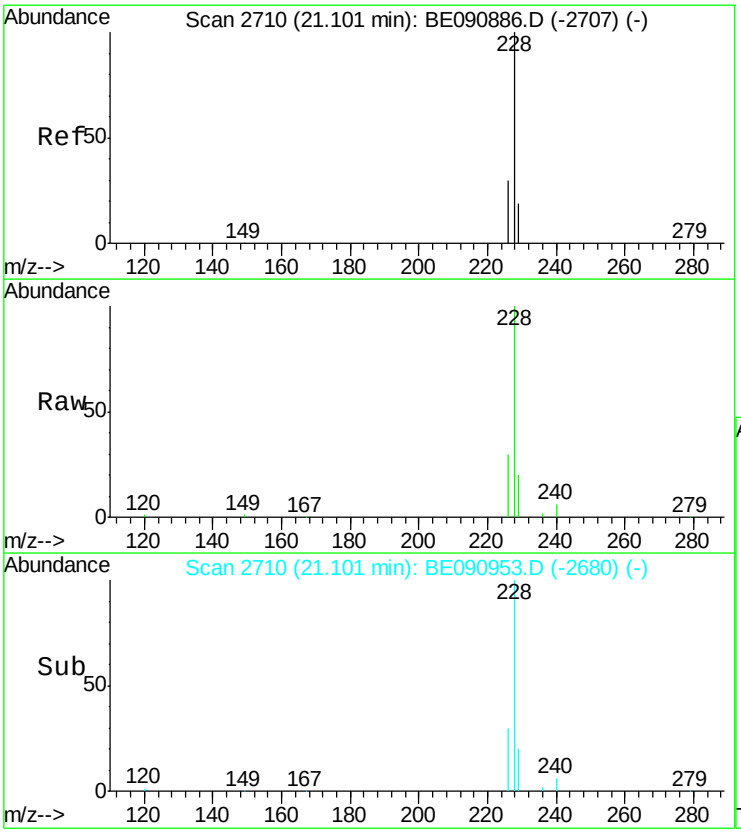
#29
Benzo(a)anthracene
Concen: 3.45 ng
RT: 21.05 min Scan# 2702
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:228 Resp: 239250

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.6	32.4
229	19.9	15.9	23.9

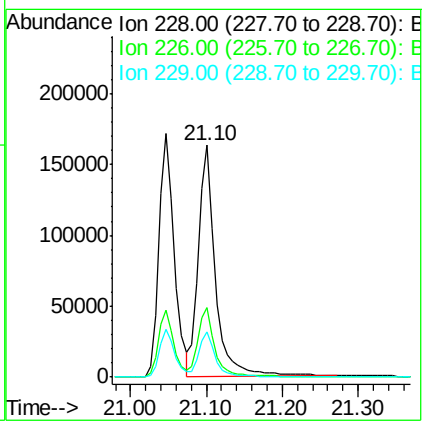


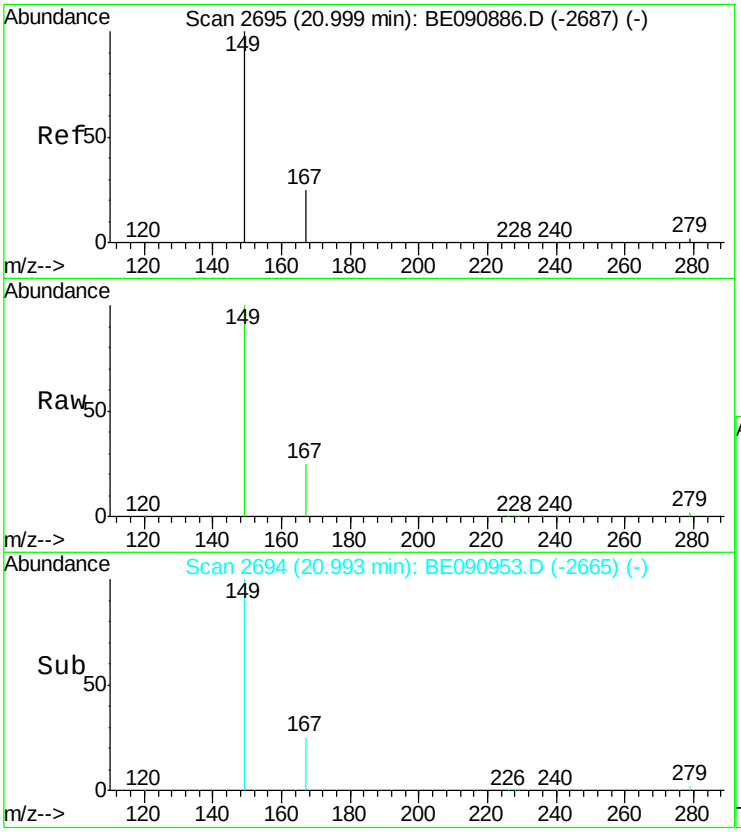


#30
Chrysene
Concen: 3.91 ng
RT: 21.10 min Scan# 2710
Delta R.T. 0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:228 Resp: 255089

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.4
229	19.8	15.3	22.9



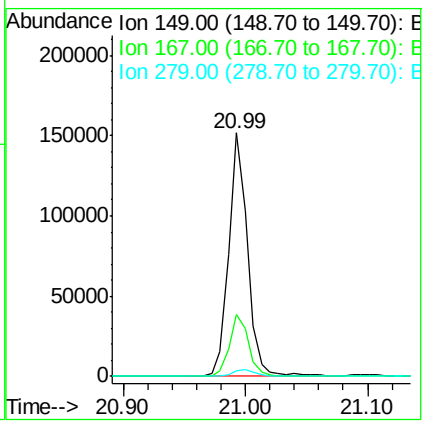


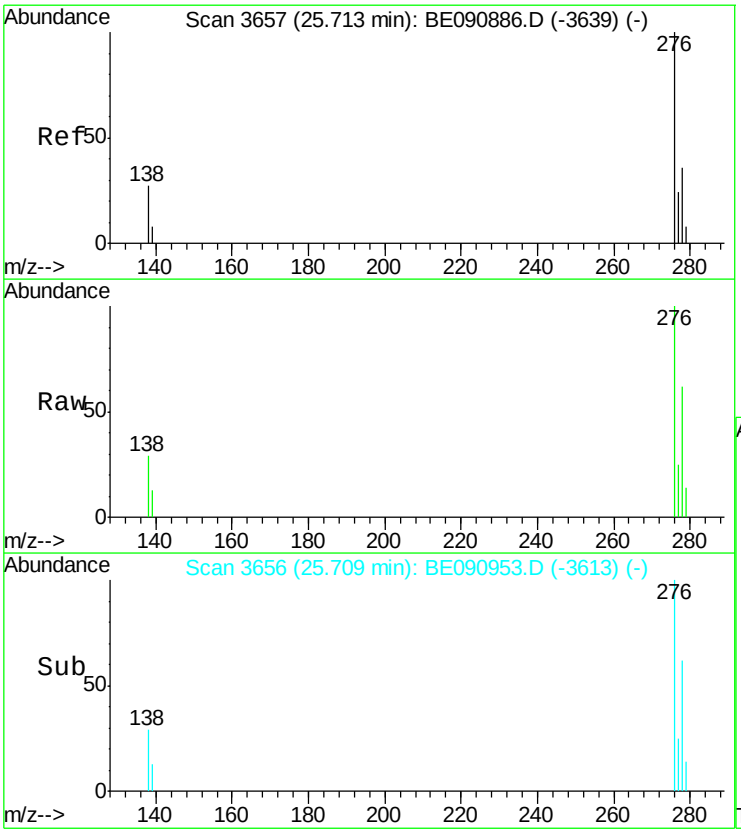
#31
Bis(2-ethylhexyl)phthalate
Concen: 5.01 ng
RT: 20.99 min Scan# 2694
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:149 Resp: 160623

Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.1	30.1
279	3.0	2.3	3.5

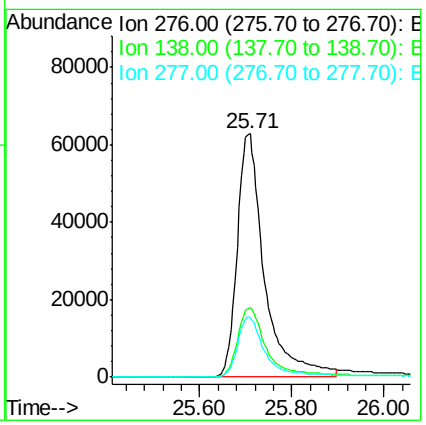


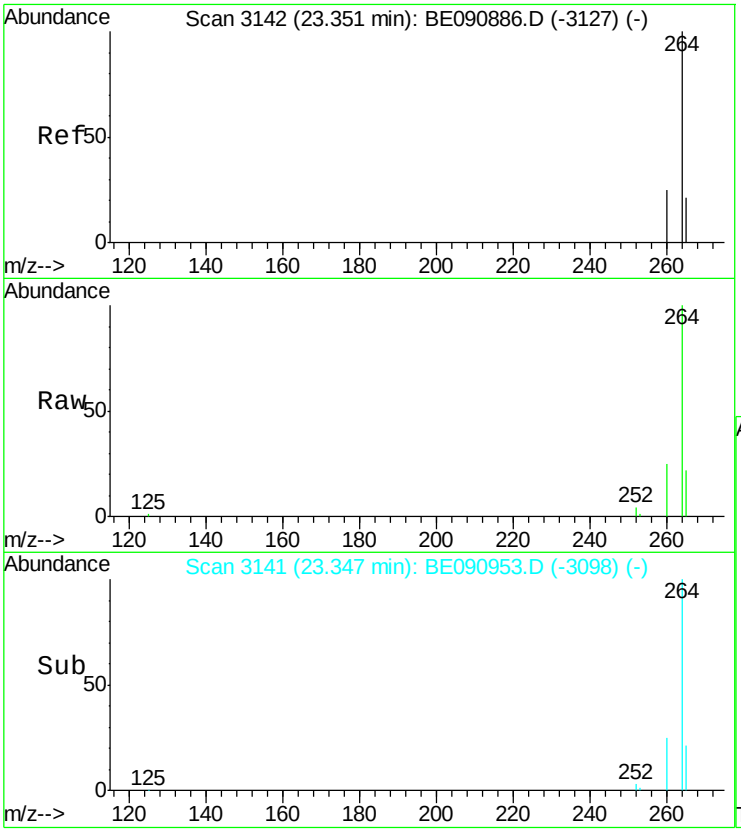


#32
Indeno(1,2,3-cd)pyrene
Concen: 3.14 ng
RT: 25.71 min Scan# 3656
Delta R.T. -0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:276 Resp: 256878

Ion	Ratio	Lower	Upper
276	100		
138	30.0	23.3	34.9
277	25.1	19.8	29.6



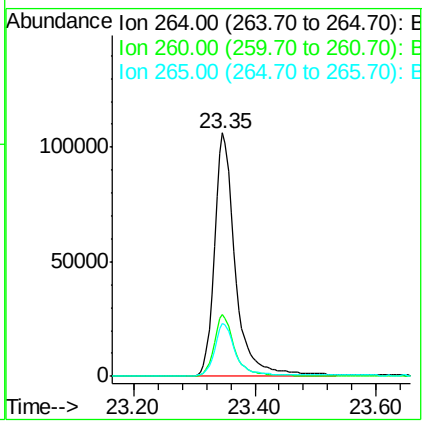


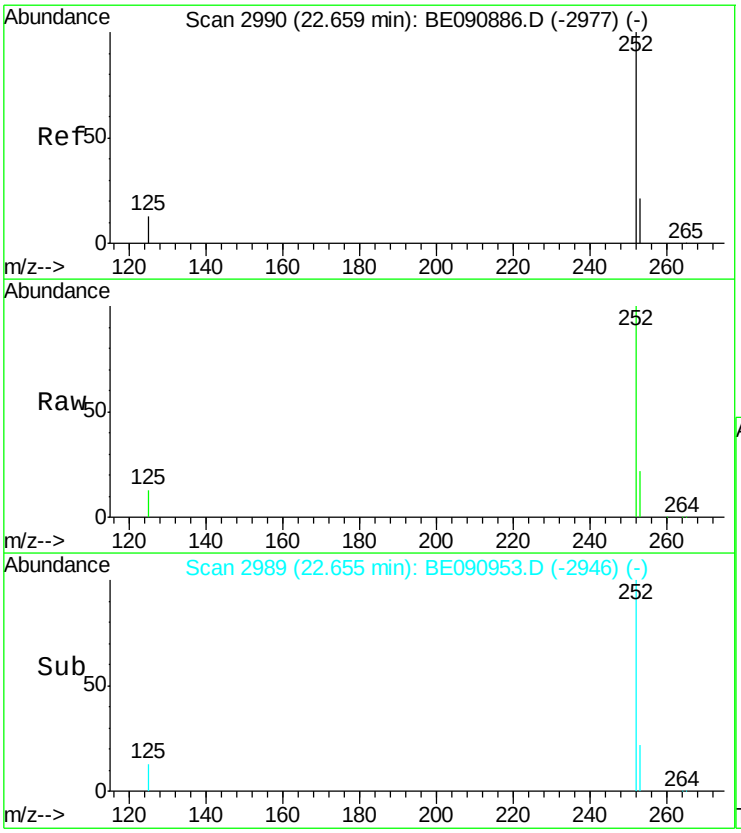
#33
Perylene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:264 Resp: 254430

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	21.7	17.5	26.3

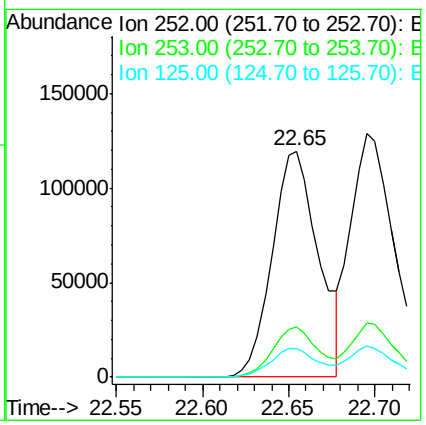


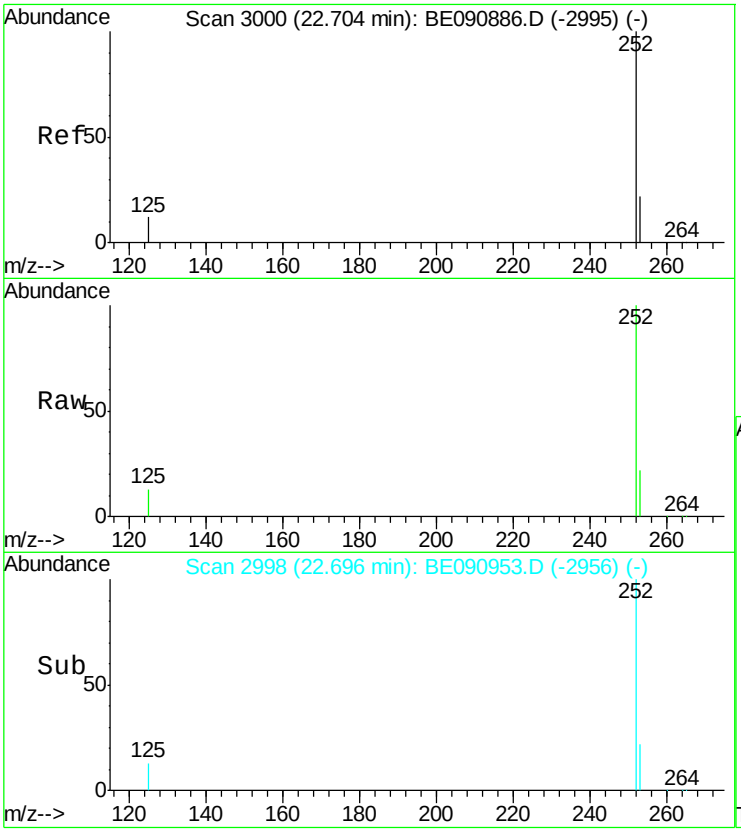


#34
Benzo(b)fluoranthene
Concen: 3.75 ng
RT: 22.65 min Scan# 2989
Delta R.T. -0.00 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:252 Resp: 223387

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.7	10.6	16.0



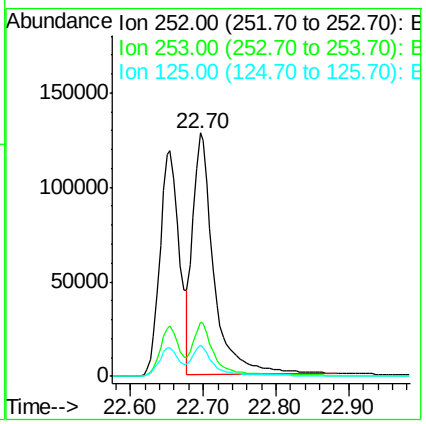


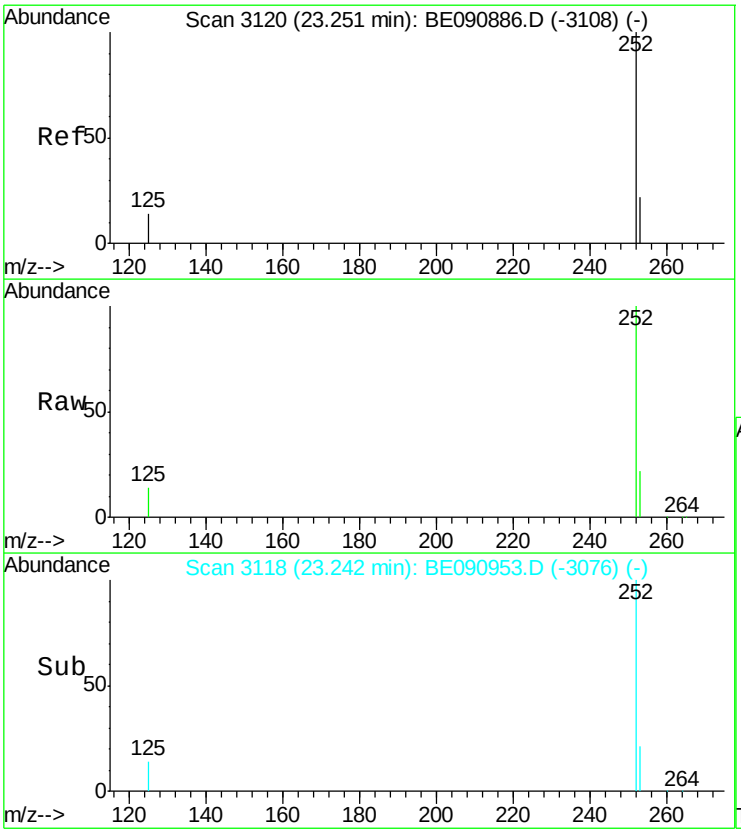
#35
Benzo(k)fluoranthene
Concen: 3.75 ng
RT: 22.70 min Scan# 2998
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:252 Resp: 256803

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.0	10.1	15.1

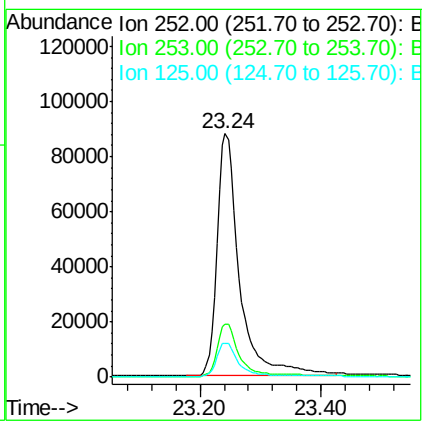


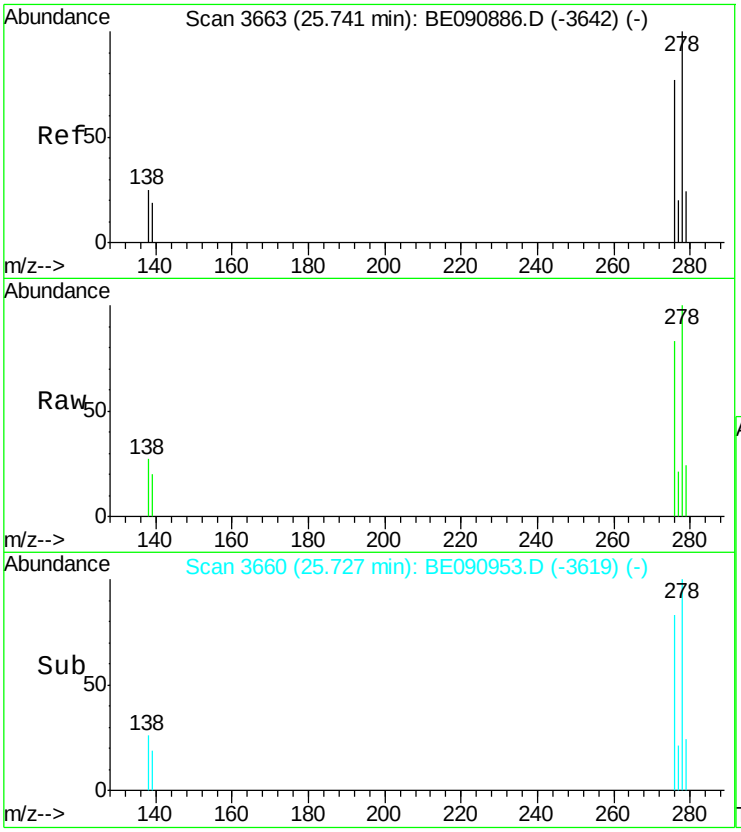


#36
Benzo(a)pyrene
Concen: 3.98 ng
RT: 23.24 min Scan# 3118
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:252 Resp: 225476

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	14.1	18.0	27.0#



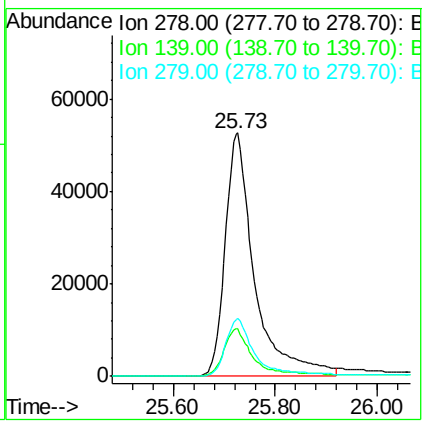


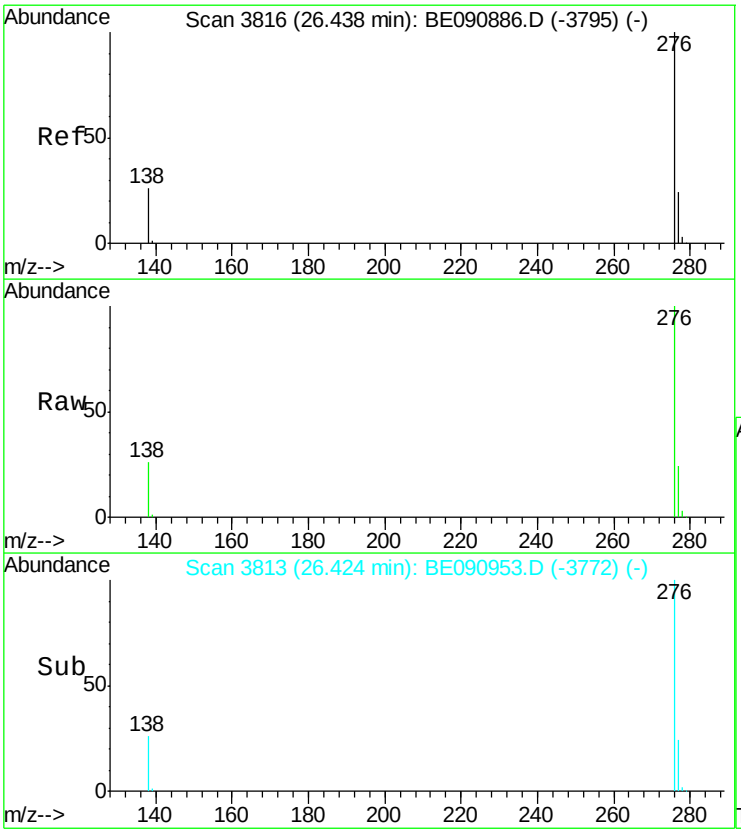
#37
Dibenzo(a,h)anthracene
Concen: 3.56 ng
RT: 25.73 min Scan# 3660
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Instrument :
BNA_E
ClientSampleId :
CPS033031MSD

Tgt Ion:278 Resp: 209553

Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.4	23.0
279	23.8	18.8	28.2





#38
Benzo(g,h,i)perylene
Concen: 3.49 ng
RT: 26.42 min Scan# 3813
Delta R.T. -0.01 min
Lab File: BE090953.D
Acq: 23 Sep 2015 17:22

Tgt Ion:276 Resp: 220252

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	26.2	20.1	30.1