Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081215\
Data File : BE090485.D
Acq On : 13 Aug 2015 1:59
Operator : UM/IZ
Sample : PB84969BS
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB84969BS

Quant Time: Aug 13 02:52:41 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	19201	5.00	ng		-0.01
6) Naphthalene-d8	10.33	136	89374	5.00	ng		0.00
12) Acenaphthene-d10	14.19	164	52550	5.00	ng		0.00
18) Phenanthrene-d10	16.95	188	122220	5.00	ng		0.00
25) Chrysene-d12	21.09	240	147782	5.00	ng		0.00
32) Perylene-d12	23.40	264	126451	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	32574	11.31	ng		0.00
5) Phenol-d6	6.76	99	53023	8.47	ng		-0.02
7) Nitrobenzene-d5	8.72	82	25684	3.59	ng		-0.01
13) 2,4,6-Tribromophenol	15.69	330	16414	9.41	ng		-0.02
14) 2-Fluorobiphenyl	12.82	172	58612	4.06	ng		0.00
27) Terphenyl-d14	19.55	244	100197	4.60	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	8256	3.61	ng		99
3) n-Nitrosodimethylamine	3.49	42	10977	3.70	ng	#	88
8) Nitrobenzene	8.76	77	25957	3.41	ng		97
9) Naphthalene	10.38	128	69102	3.50	ng		98
10) Hexachlorobutadiene	10.68	225	11419	3.81	ng		99
11) 2-Methylnaphthalene	12.00	142	45525	3.98	ng		98
15) Acenaphthylene	13.91	152	328232	3.86	ng		100
16) Acenaphthene	14.25	154	48502	3.67	ng		91
17) Fluorene	15.24	166	67767	3.94	ng		98
19) 4-Bromophenyl-phenylether	16.14	248	18952	3.99	ng		93
20) Hexachlorobenzene	16.25	284	87523	3.56	ng		98
21) Pentachlorophenol	16.60	266	16445	8.25	ng		90
22) Phenanthrene	16.98	178	119363	3.90	ng		100
23) Anthracene	17.07	178	119201	4.74	ng		100
24) Fluoranthene	18.98	202	135456	4.50	ng		99
26) Pyrene	19.34	202	148334	4.63	ng		99
28) Benzo(a)anthracene	21.08	228	141488	4.32	ng		99
29) Chrysene	21.13	228	148948	3.76	ng		97
30) Bis(2-ethylhexyl)phthalate	21.02	149	51370	4.51	ng		98
31) Indeno(1,2,3-cd)pyrene	25.78	276	122166	3.50	ng		95
33) Benzo(b)fluoranthene	22.70	252	118238	4.17	ng		98
34) Benzo(k)fluoranthene	22.74	252	132459	3.76	ng		99
35) Benzo(a)pyrene	23.29	252	107199	4.01	ng		99
36) Dibenzo(a,h)anthracene	25.80	278	97789	3.77	ng		98
37) Benzo(g,h,i)perylene	26.50	276	108455	4.65	ng		98

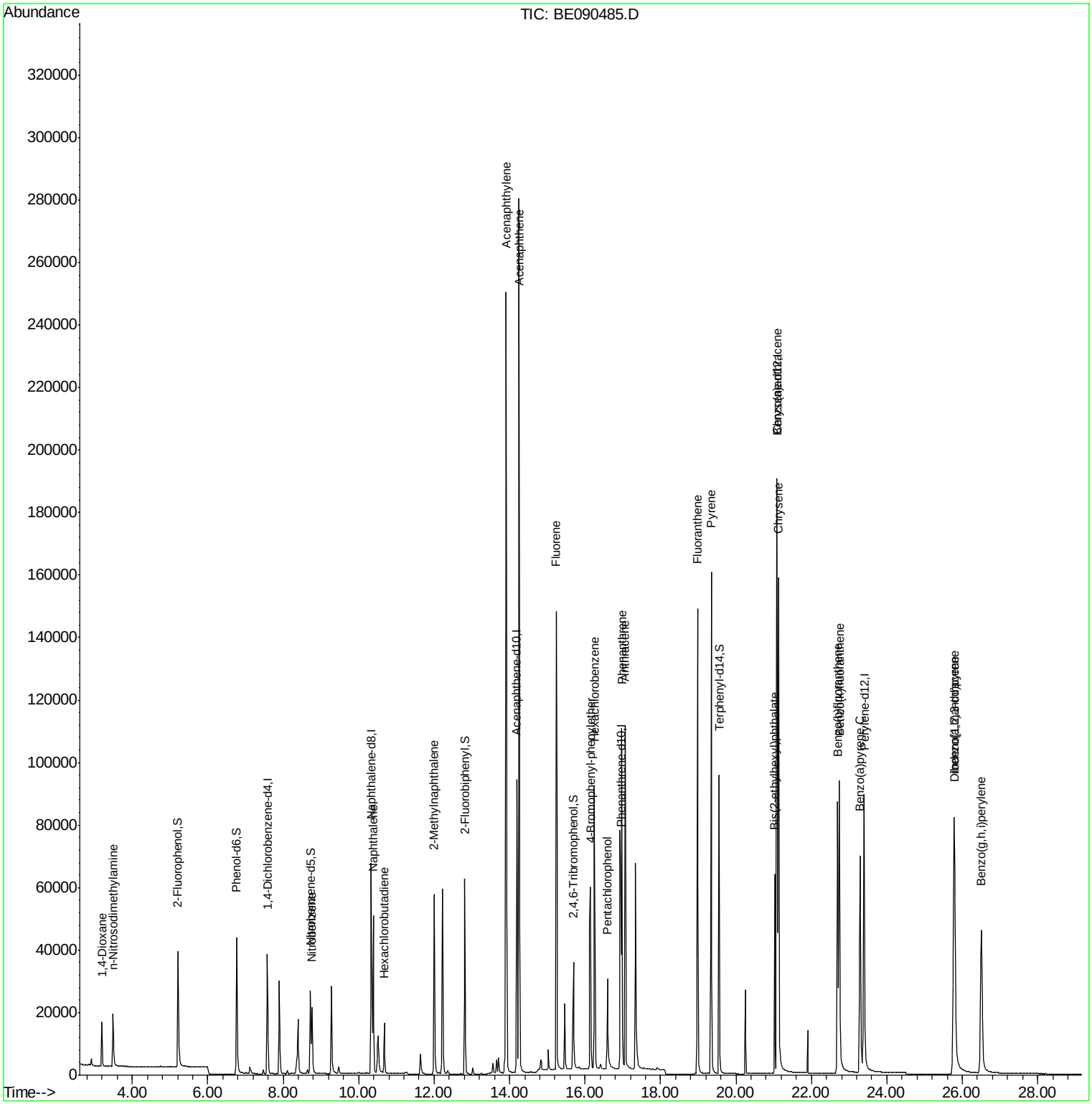
(#) = qualifier out of range (m) = manual integration (+) = signals summed

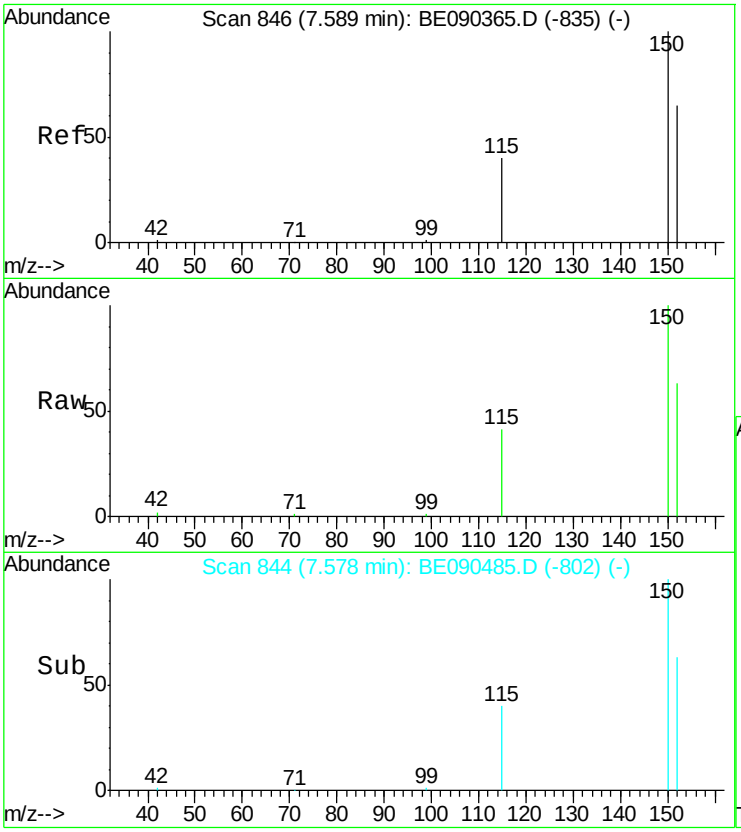
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081215\
Data File : BE090485.D
Acq On : 13 Aug 2015 1:59
Operator : UM/IZ
Sample : PB84969BS
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Quant Time: Aug 13 02:52:41 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration



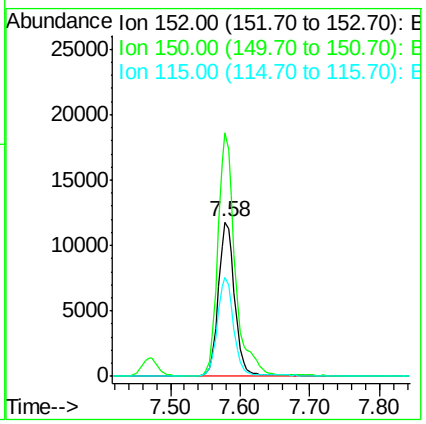


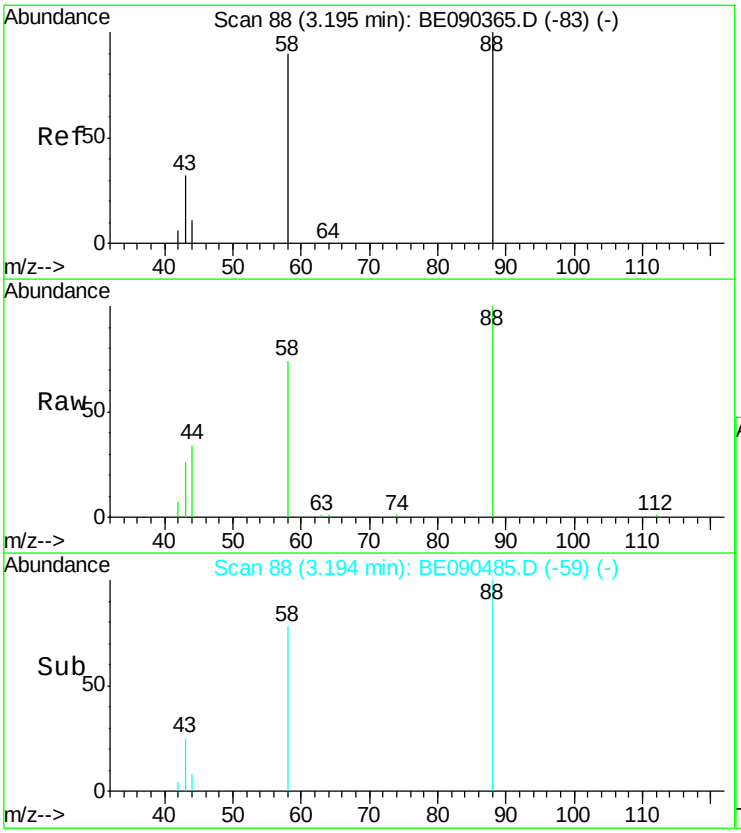
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 844
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:152 Resp: 19201

Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.0	184.4
115	63.8	48.9	73.3

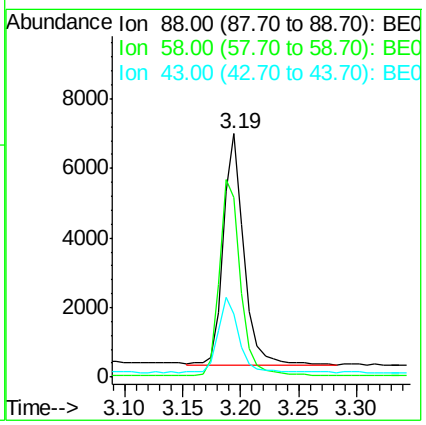


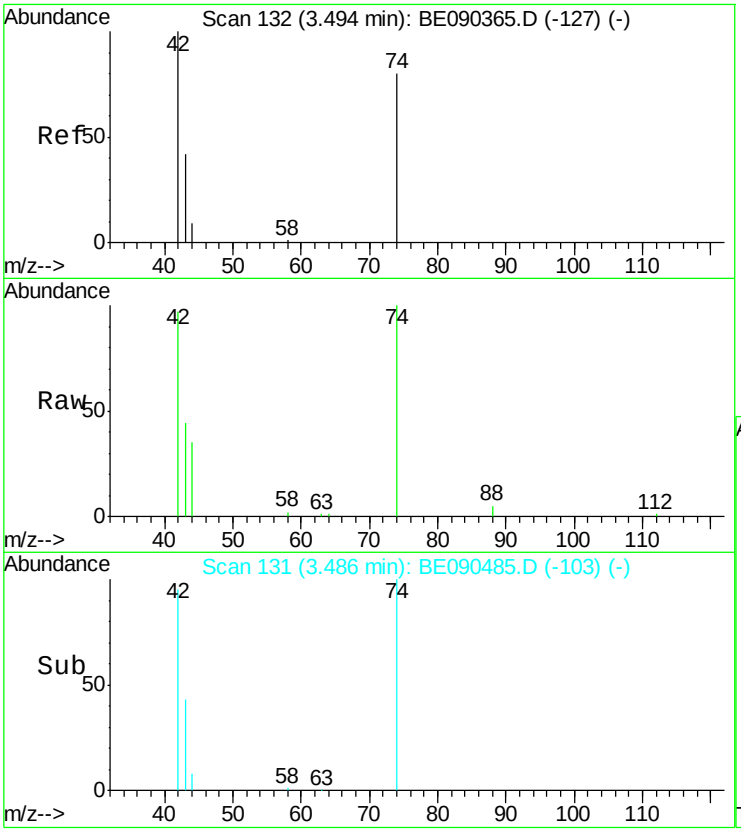


#2
1,4-Dioxane
Concen: 3.61 ng
RT: 3.19 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion: 88 Resp: 8256

Ion	Ratio	Lower	Upper
88	100		
58	87.5	70.0	105.0
43	33.5	28.4	42.6



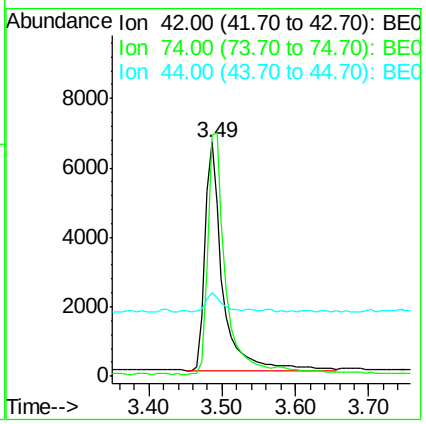


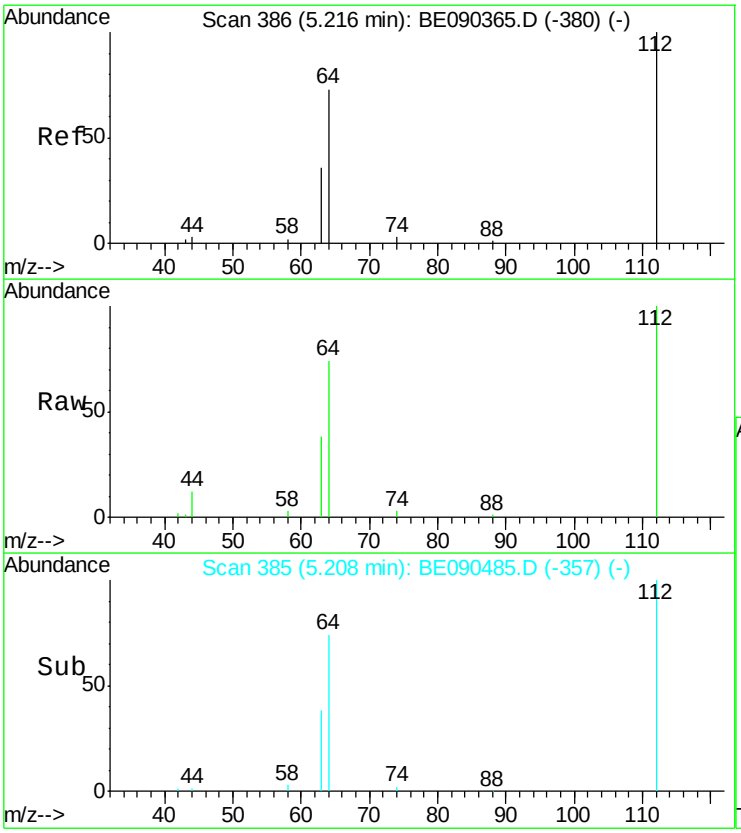
#3
n-Nitrosodimethylamine
Concen: 3.70 ng
RT: 3.49 min Scan# 131
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion: 42 Resp: 10977

Ion	Ratio	Lower	Upper
42	100		
74	105.8	75.2	112.8
44	7.0	8.7	13.1#

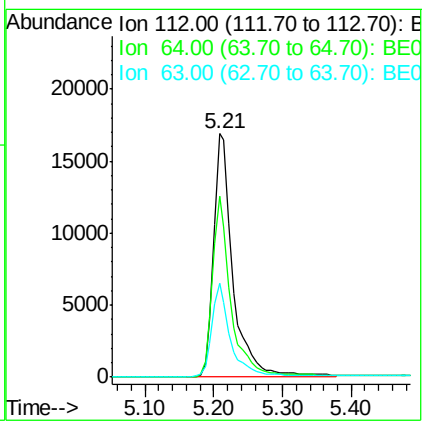


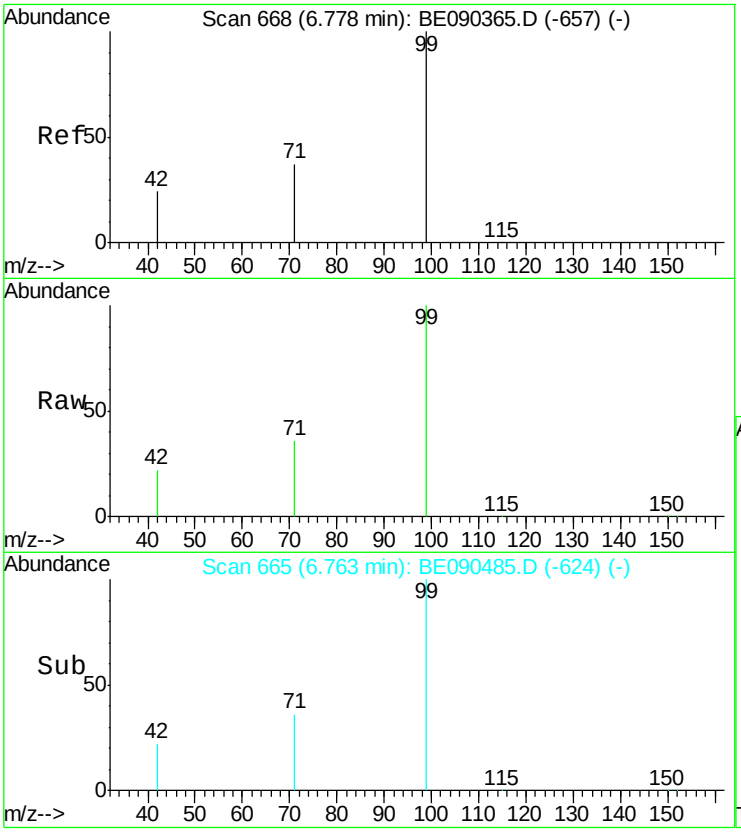


#4
2-Fluorophenol
Concen: 11.31 ng
RT: 5.21 min Scan# 385
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:112 Resp: 32574

Ion	Ratio	Lower	Upper
112	100		
64	70.8	37.1	55.7#
63	36.5	19.5	29.3#



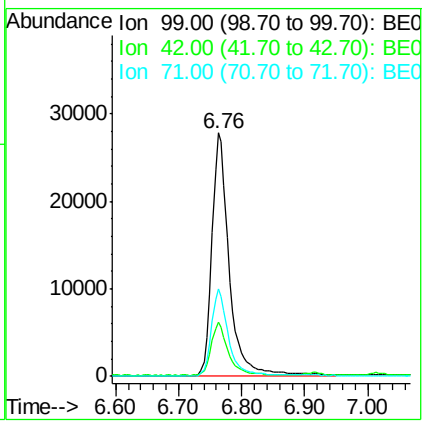


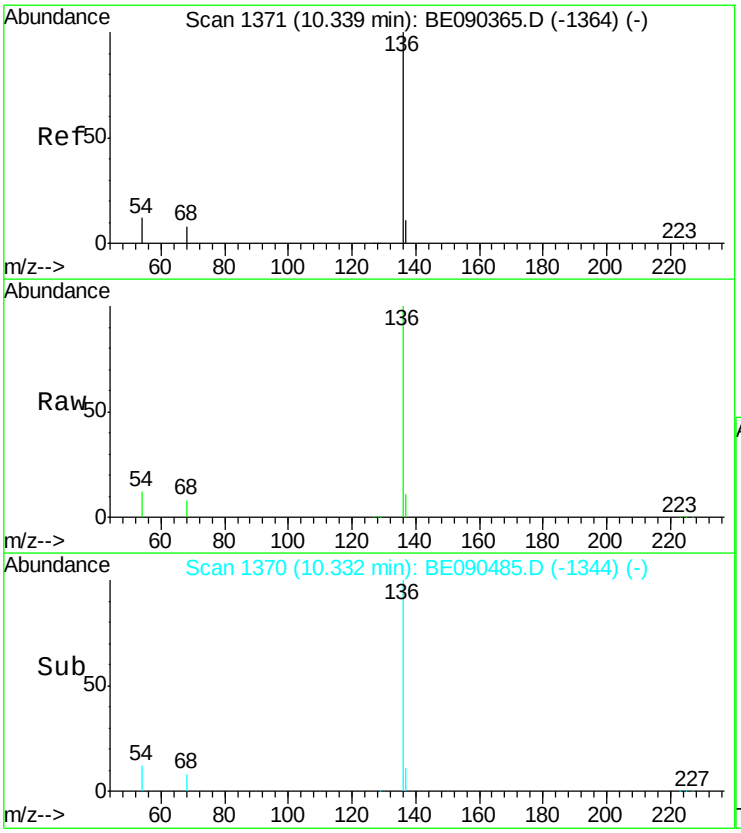
#5
Phenol-d6
Concen: 8.47 ng
RT: 6.76 min Scan# 665
Delta R.T. -0.02 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion: 99 Resp: 53023

Ion	Ratio	Lower	Upper
99	100		
42	21.7	18.2	27.4
71	35.5	27.4	41.0

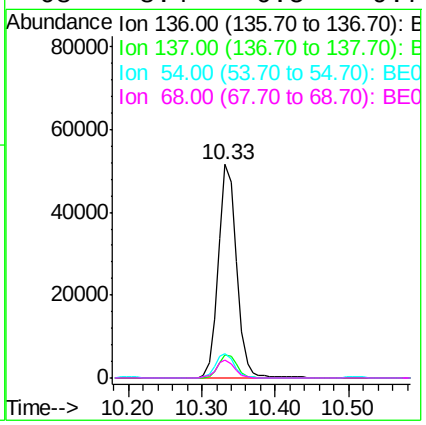


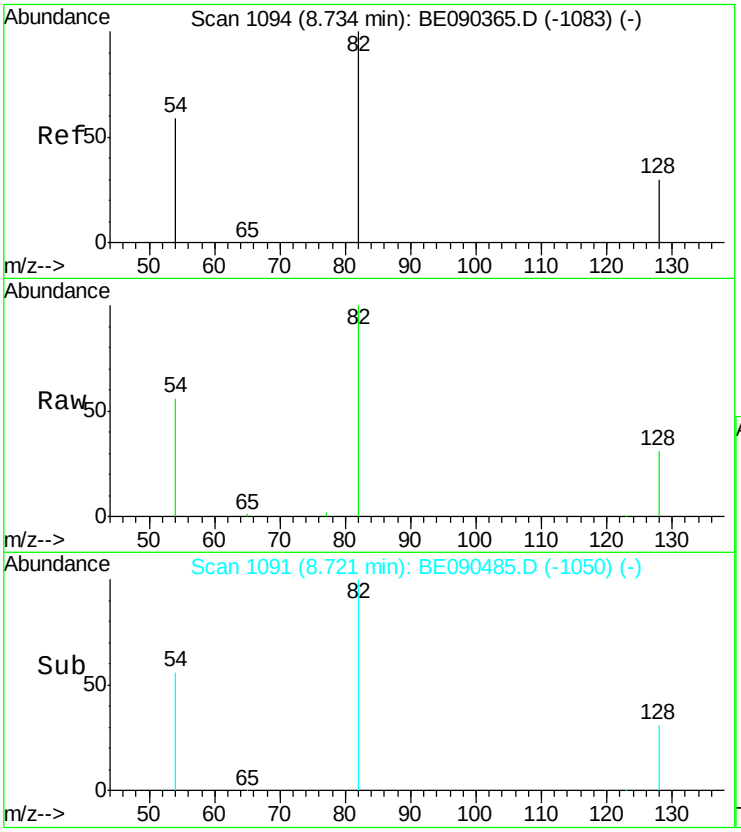


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.33 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:136 Resp: 89374

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.6	9.4	14.0
68	8.4	6.5	9.7



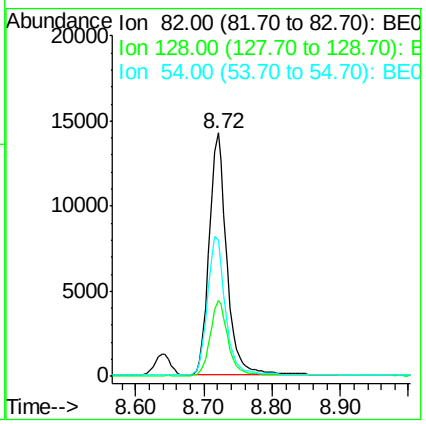


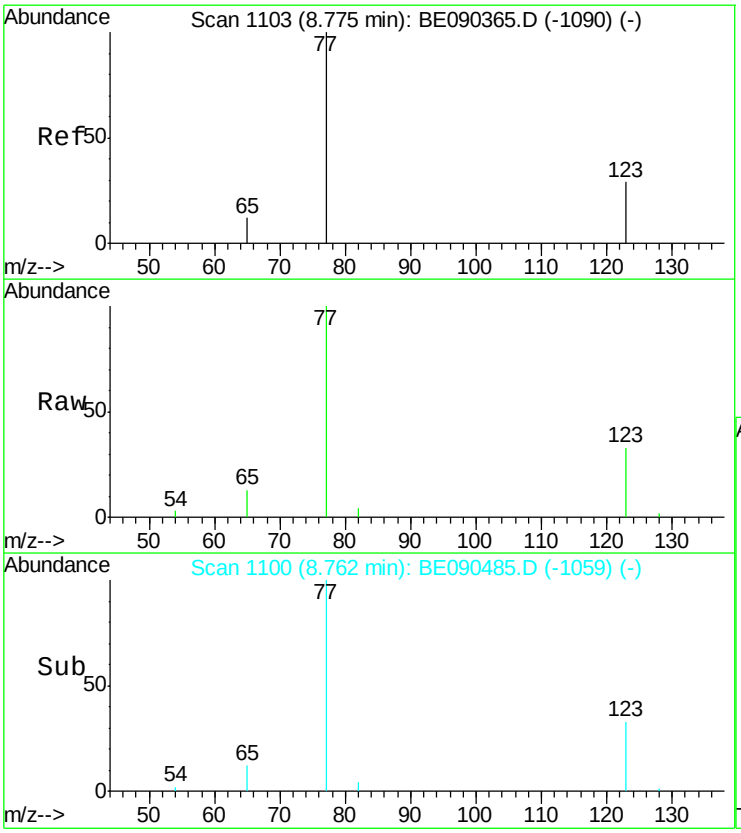
#7
Nitrobenzene-d5
Concen: 3.59 ng
RT: 8.72 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion: 82 Resp: 25684

Ion	Ratio	Lower	Upper
82	100		
128	31.4	25.0	37.6
54	55.9	48.8	73.2

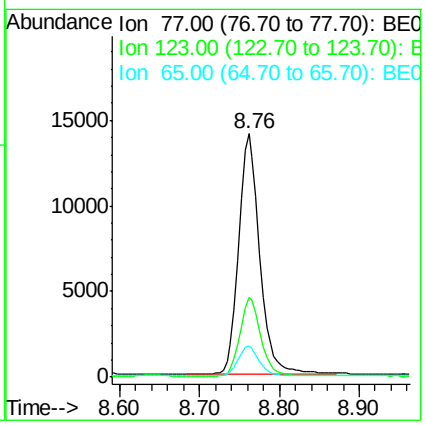


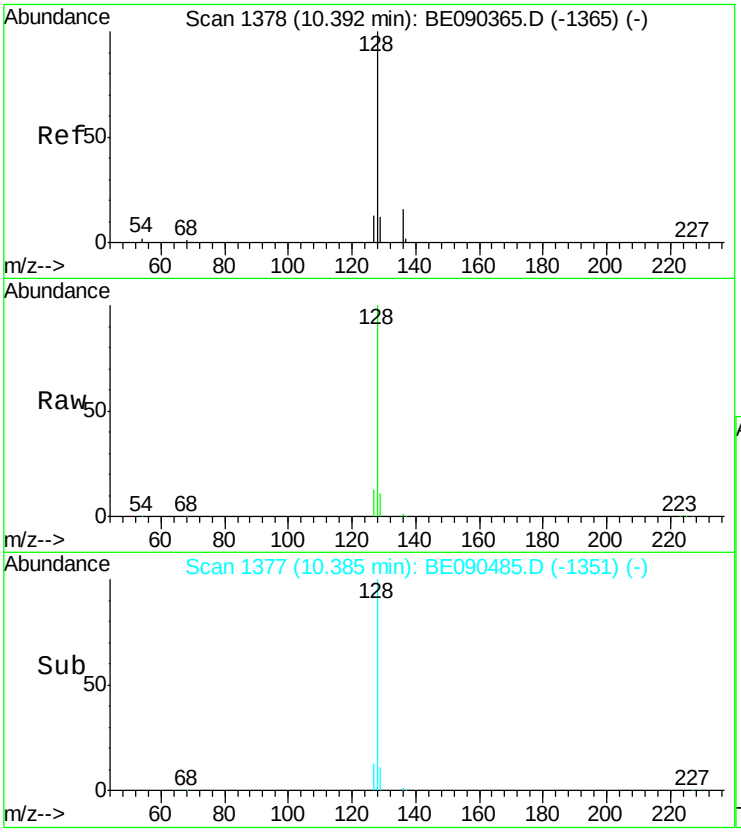


#8
Nitrobenzene
Concen: 3.41 ng
RT: 8.76 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion: 77 Resp: 25957

Ion	Ratio	Lower	Upper
77	100		
123	32.9	25.1	37.7
65	12.5	9.3	13.9



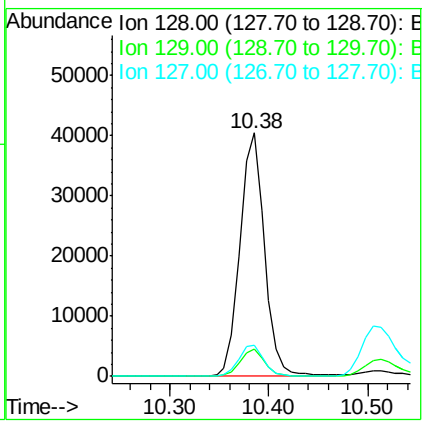


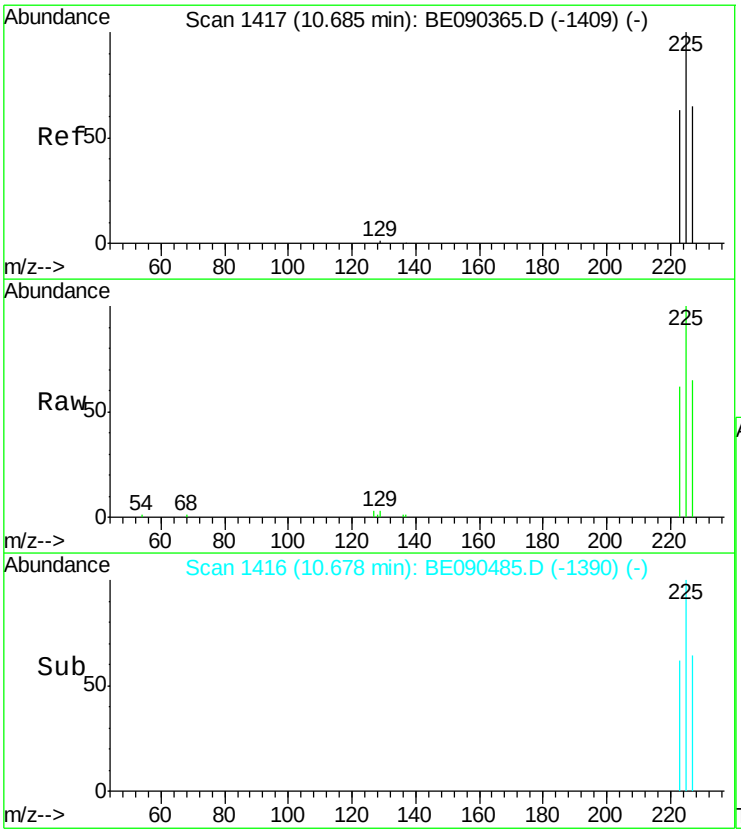
#9
Naphthalene
Concen: 3.50 ng
RT: 10.38 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:128 Resp: 69102

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.8	14.6
127	12.7	10.6	16.0

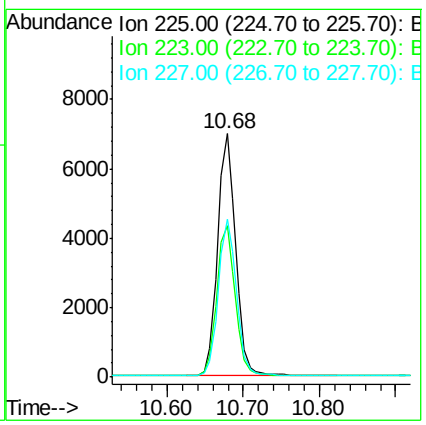


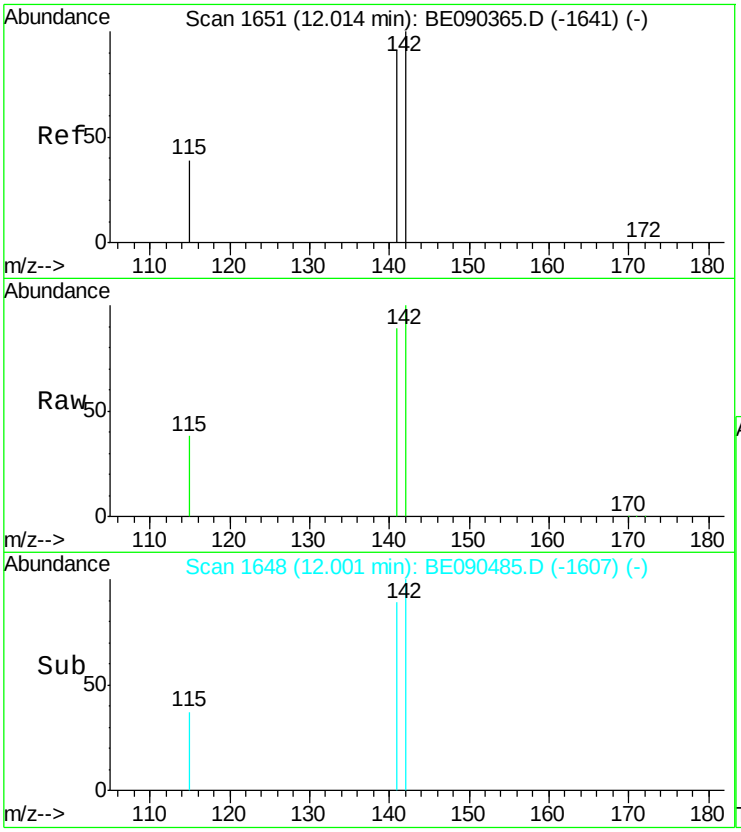


#10
Hexachlorobutadiene
Concen: 3.81 ng
RT: 10.68 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:225 Resp: 11419

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	75.8
227	64.7	50.7	76.1



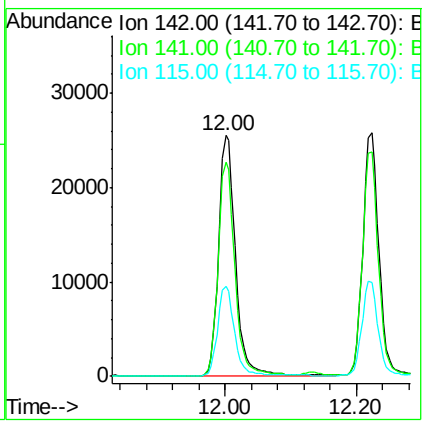


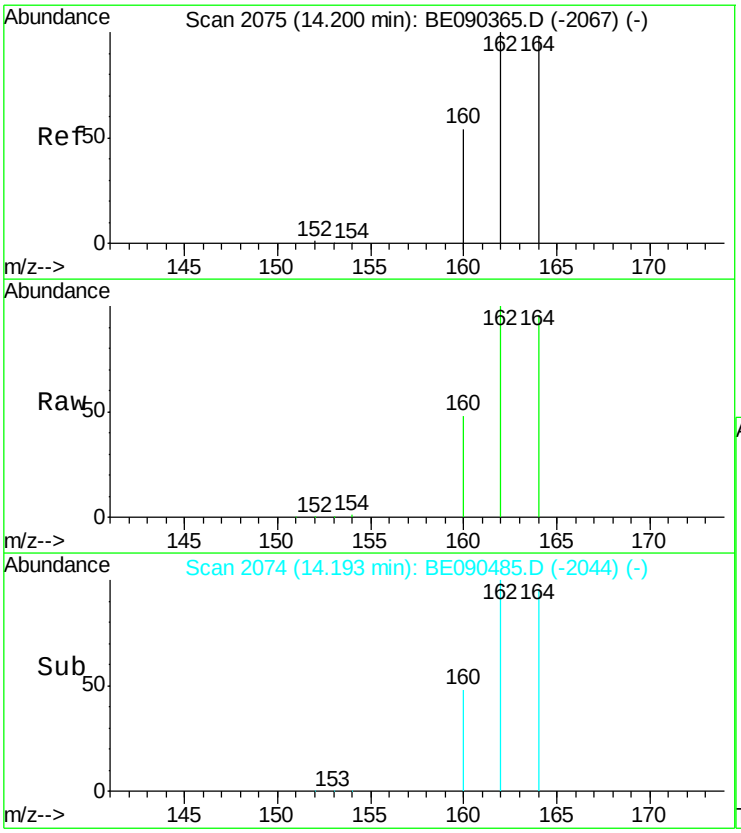
#11
2-Methylnaphthalene
Concen: 3.98 ng
RT: 12.00 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:142 Resp: 45525

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.6	109.0
115	37.5	31.6	47.4

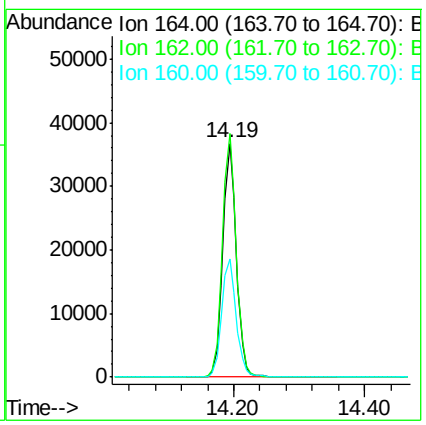


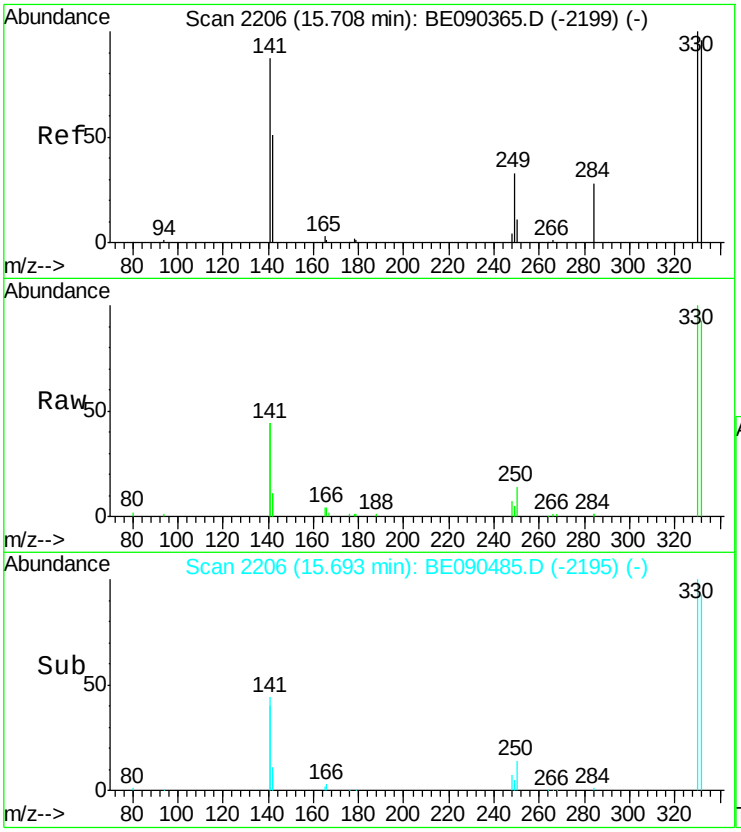


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:164 Resp: 52550

Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.8	122.8
160	50.3	44.2	66.4



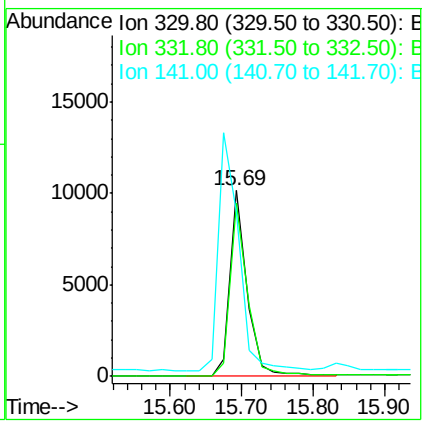


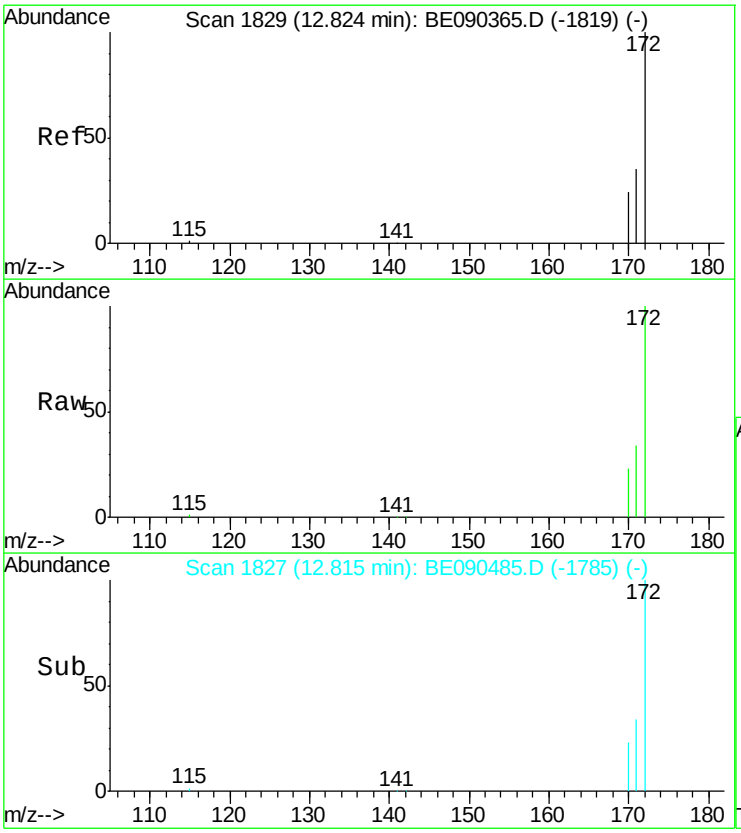
#13
2,4,6-Tribromophenol
Concen: 9.41 ng
RT: 15.69 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:330 Resp: 16414

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.8	113.6
141	154.4	114.4	171.6

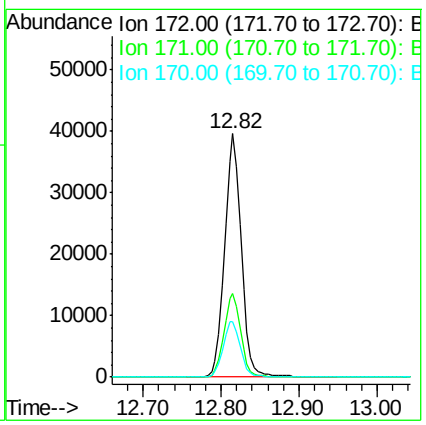


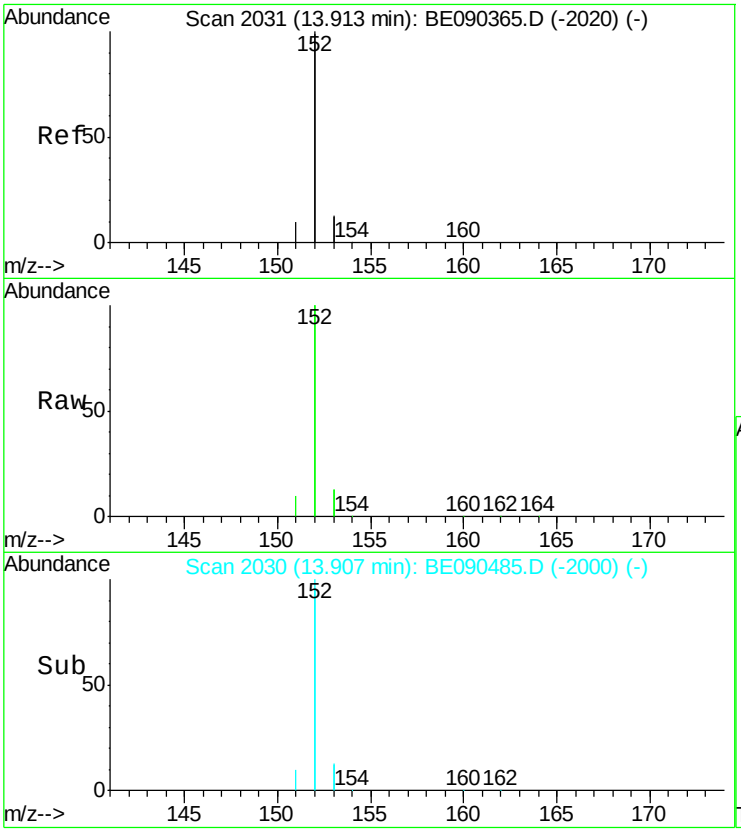


#14
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 12.82 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:172 Resp: 58612

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.5	42.7
170	22.8	19.8	29.8



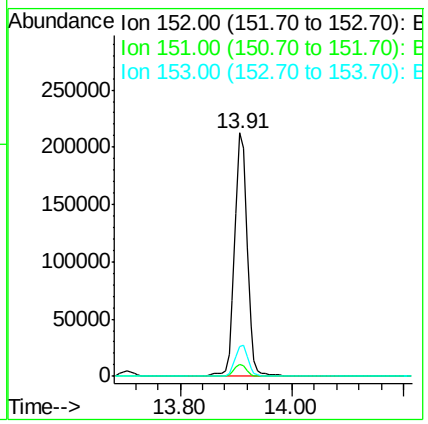


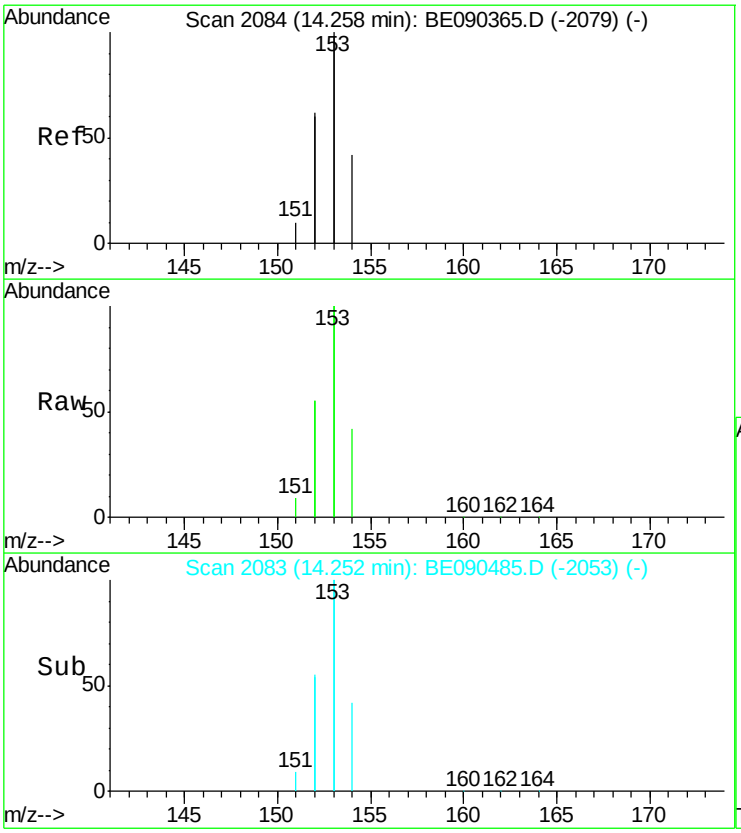
#15
Acenaphthylene
Concen: 3.86 ng
RT: 13.91 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:152 Resp: 328232

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.0	10.3	15.5

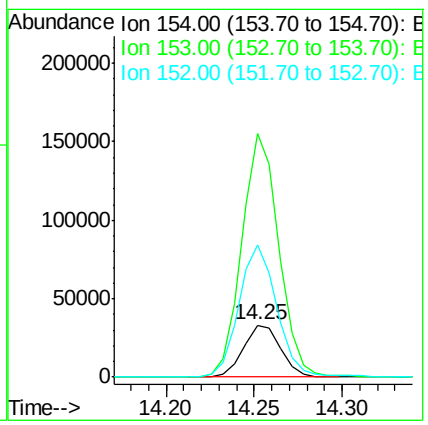


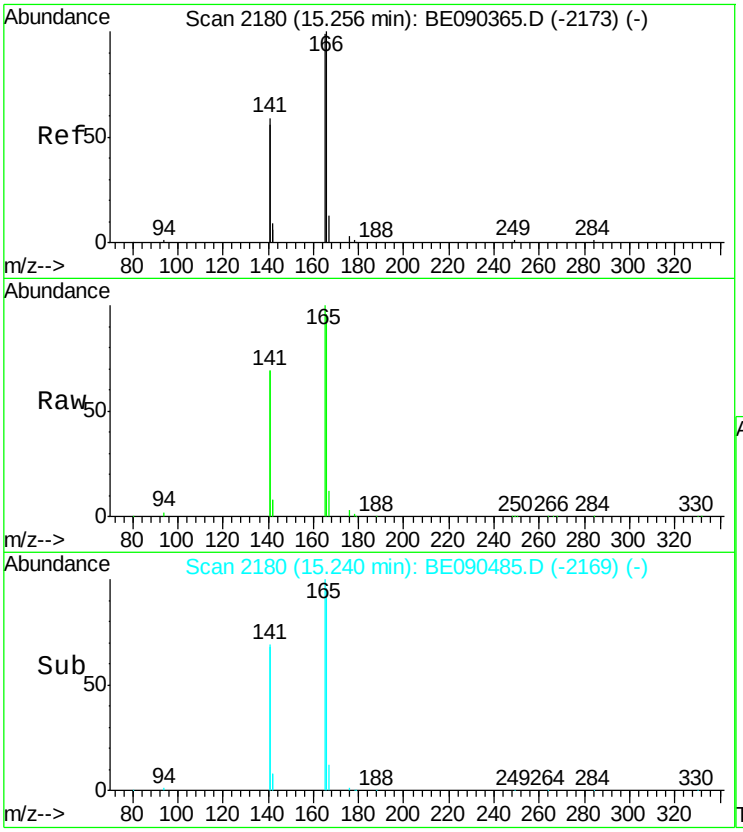


#16
Acenaphthene
Concen: 3.67 ng
RT: 14.25 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:154 Resp: 48502

Ion	Ratio	Lower	Upper
154	100		
153	464.5	376.2	564.2
152	256.8	235.0	352.4



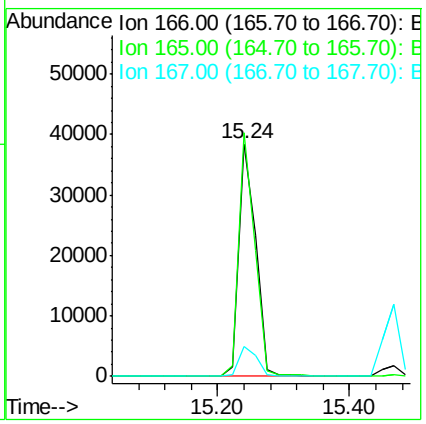


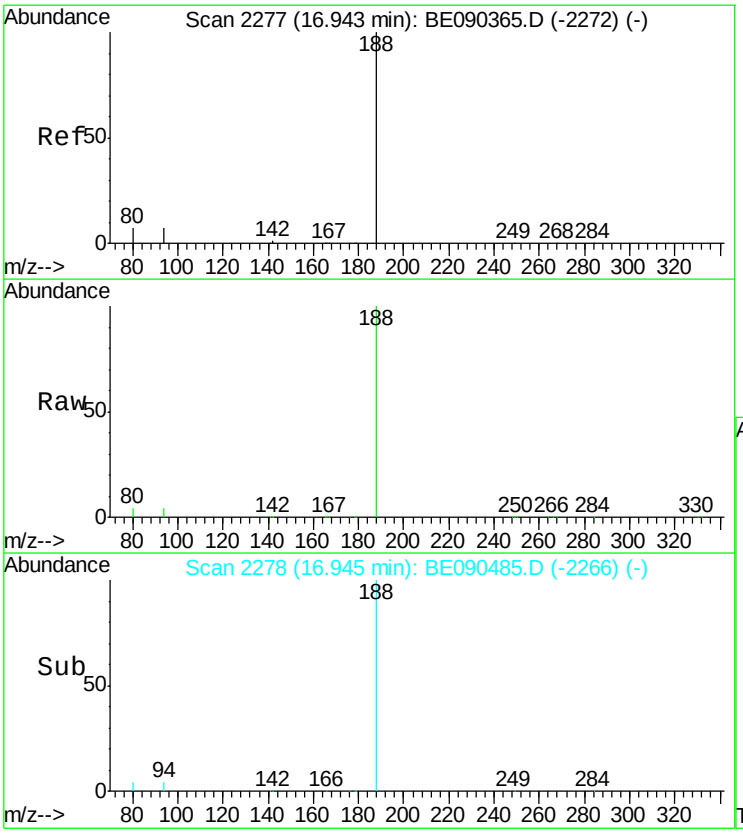
#17
Fluorene
Concen: 3.94 ng
RT: 15.24 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:166 Resp: 67767

Ion	Ratio	Lower	Upper
166	100		
165	99.5	81.5	122.3
167	13.4	11.4	17.0

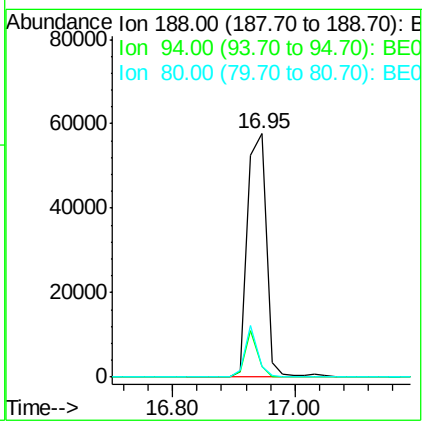


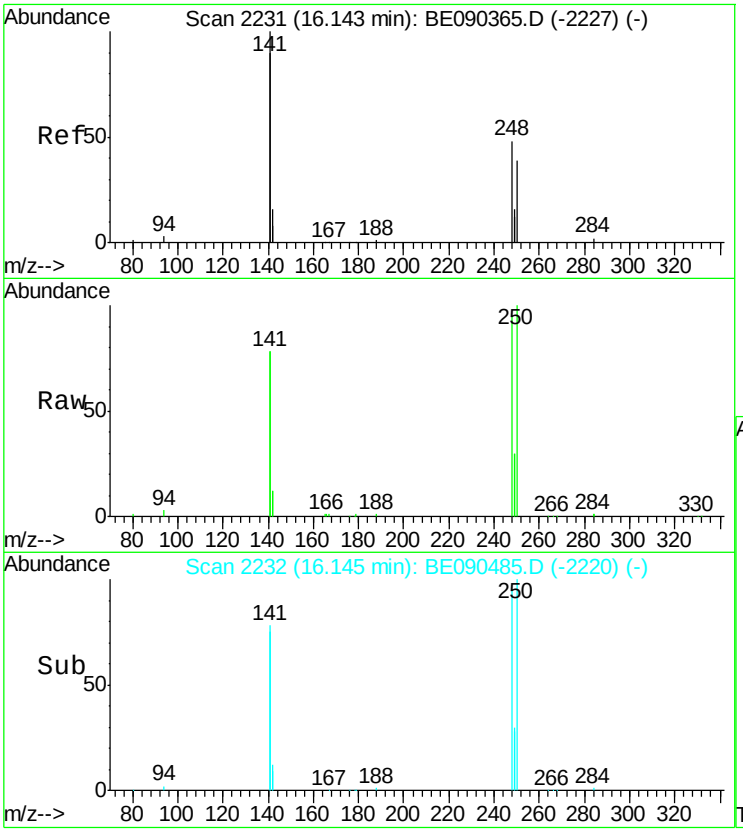


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.95 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:188 Resp: 122220

Ion	Ratio	Lower	Upper
188	100		
94	4.2	5.7	8.5#
80	4.4	5.8	8.8#



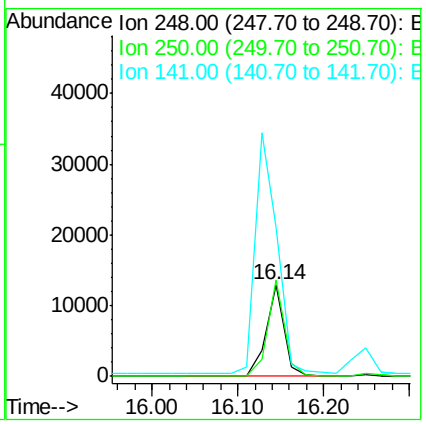


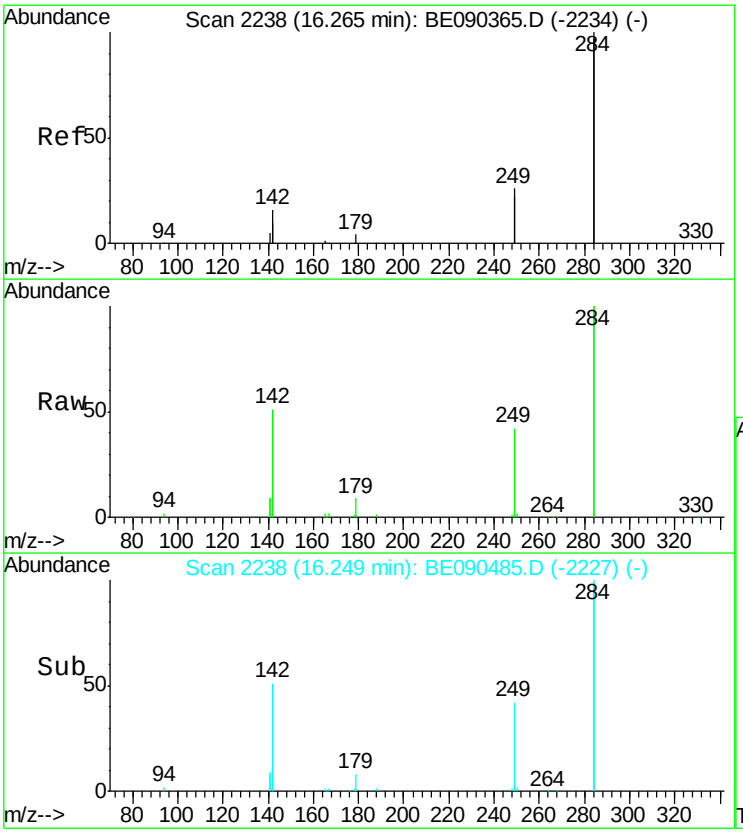
#19
4-Bromophenyl-phenylether
Concen: 3.99 ng
RT: 16.14 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:248 Resp: 18952

Ion	Ratio	Lower	Upper
248	100		
250	99.4	79.0	118.6
141	317.3	239.5	359.3

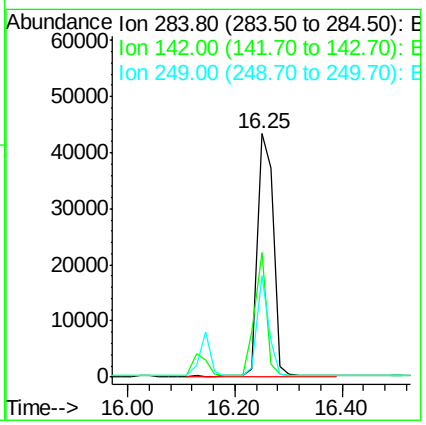


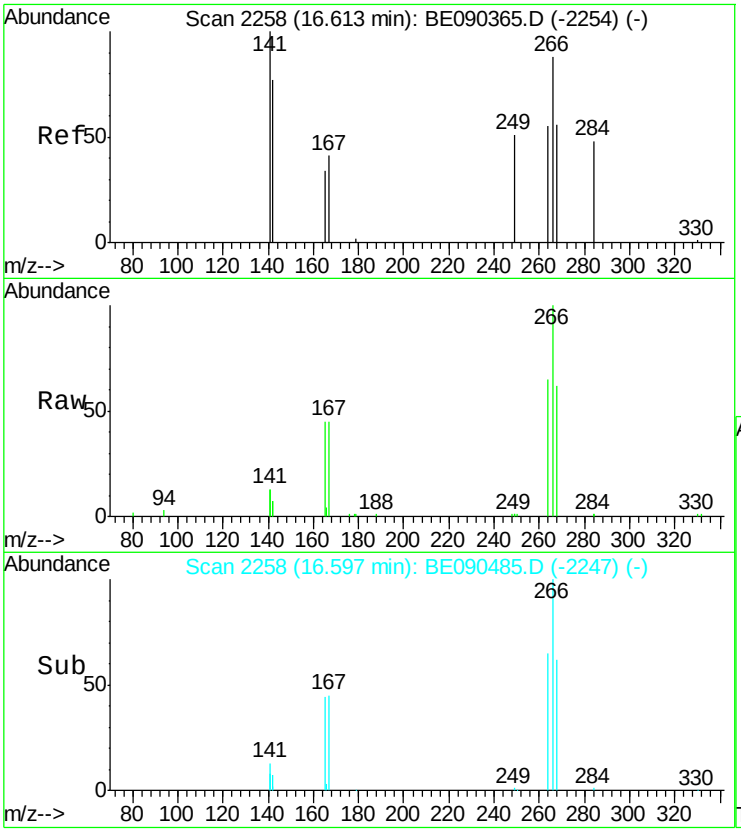


#20
Hexachlorobenzene
Concen: 3.56 ng
RT: 16.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:284 Resp: 87523

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.1	45.1
249	30.9	25.7	38.5



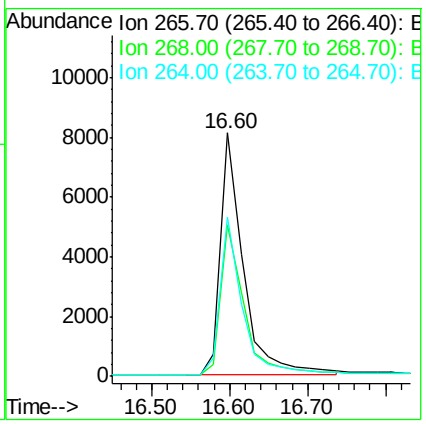


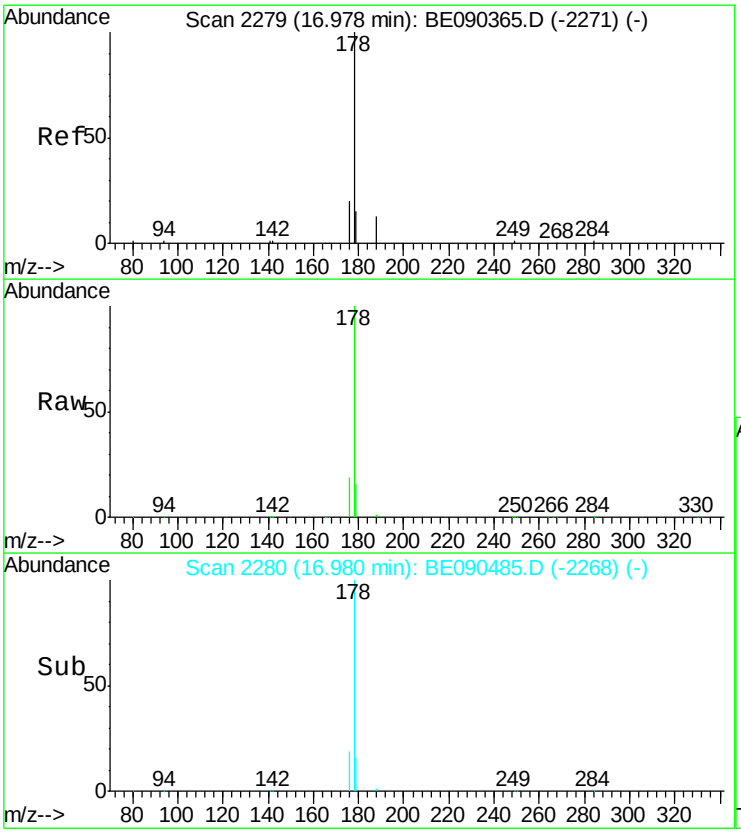
#21
Pentachlorophenol
Concen: 8.25 ng
RT: 16.60 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:266 Resp: 16445

Ion	Ratio	Lower	Upper
266	100		
268	62.0	58.5	87.7
264	65.4	56.0	84.0

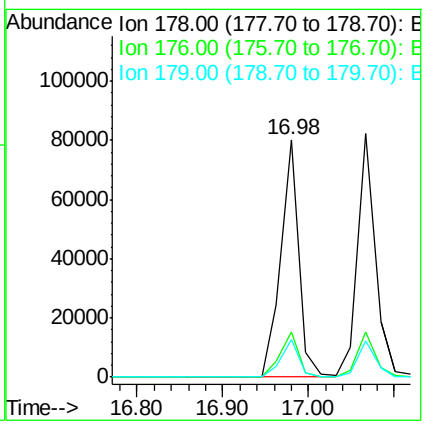


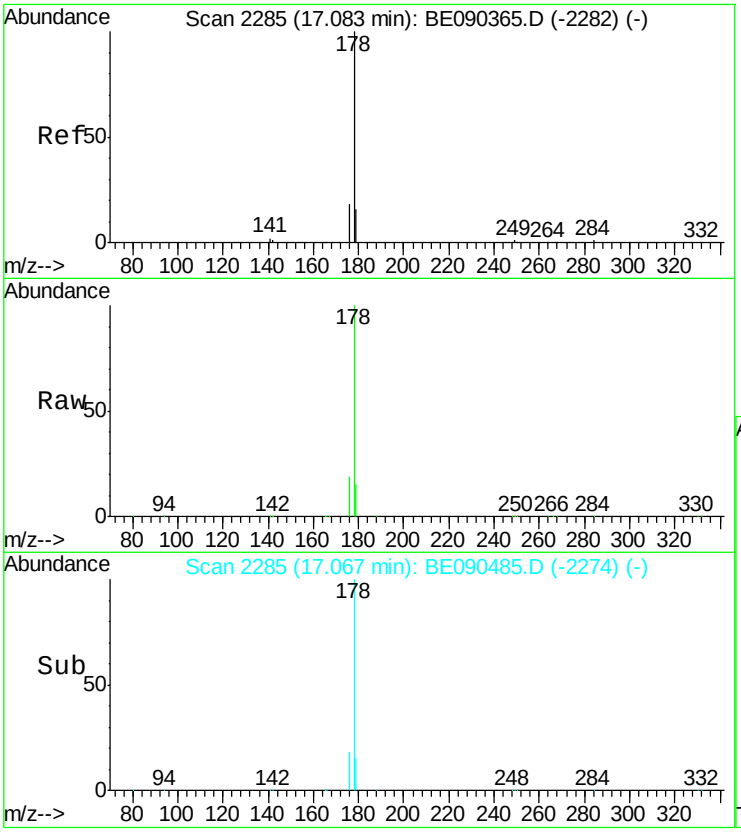


#22
Phenanthrene
Concen: 3.90 ng
RT: 16.98 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:178 Resp: 119363

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.5	18.7



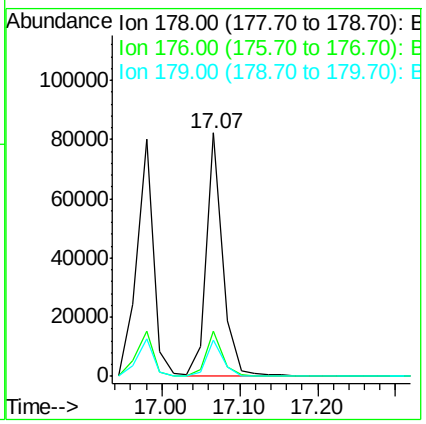


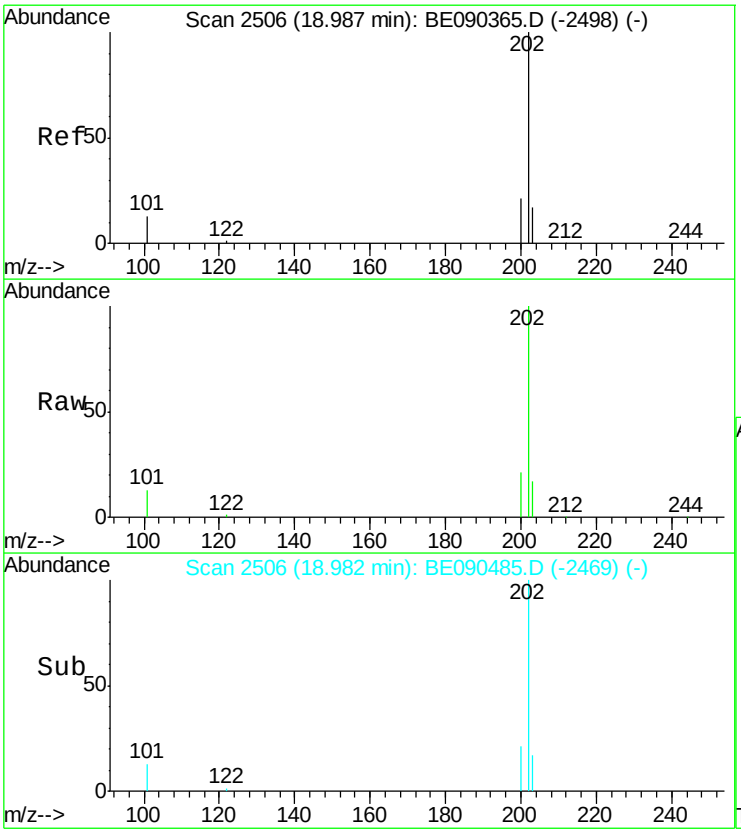
#23
Anthracene
Concen: 4.74 ng
RT: 17.07 min Scan# 2285
Delta R.T. -0.02 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:178 Resp: 119201

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.2	12.2	18.4

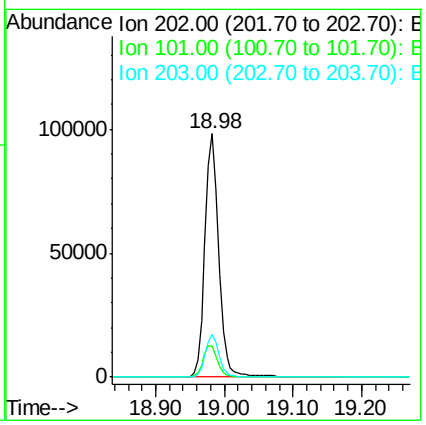


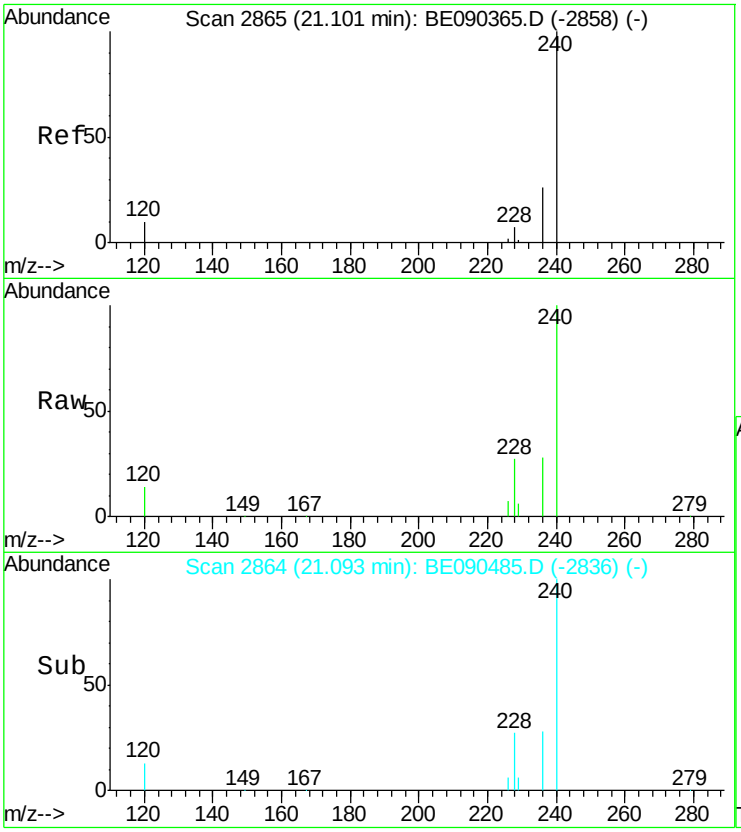


#24
Fluoranthene
Concen: 4.50 ng
RT: 18.98 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:202 Resp: 135456

Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.3	15.5
203	17.2	13.7	20.5



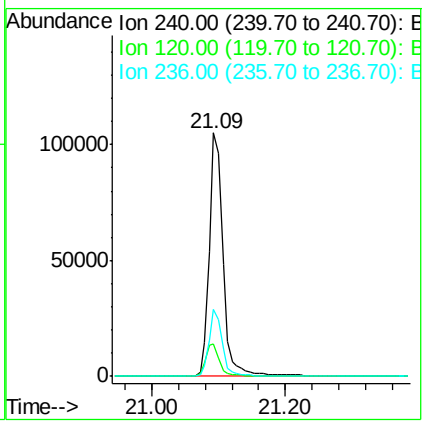


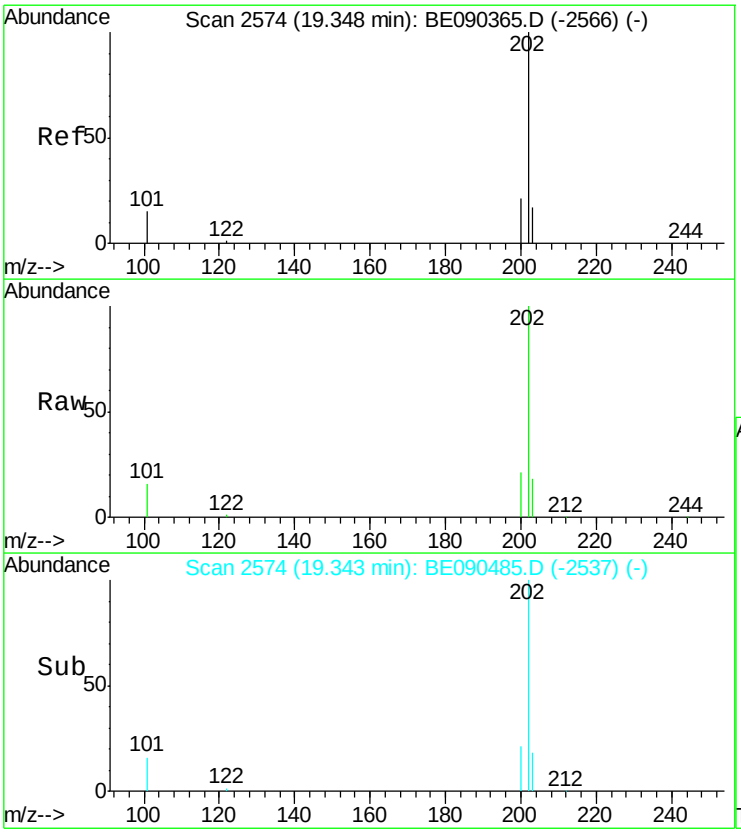
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:240 Resp: 147782

Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.3	12.5#
236	27.7	21.0	31.4

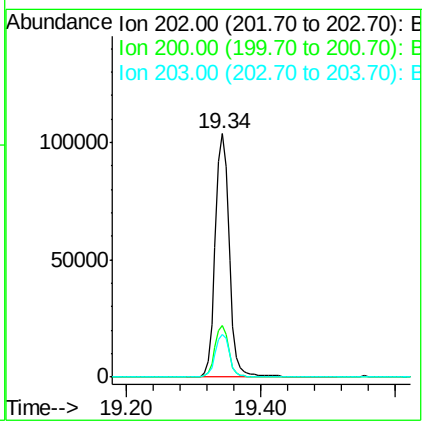


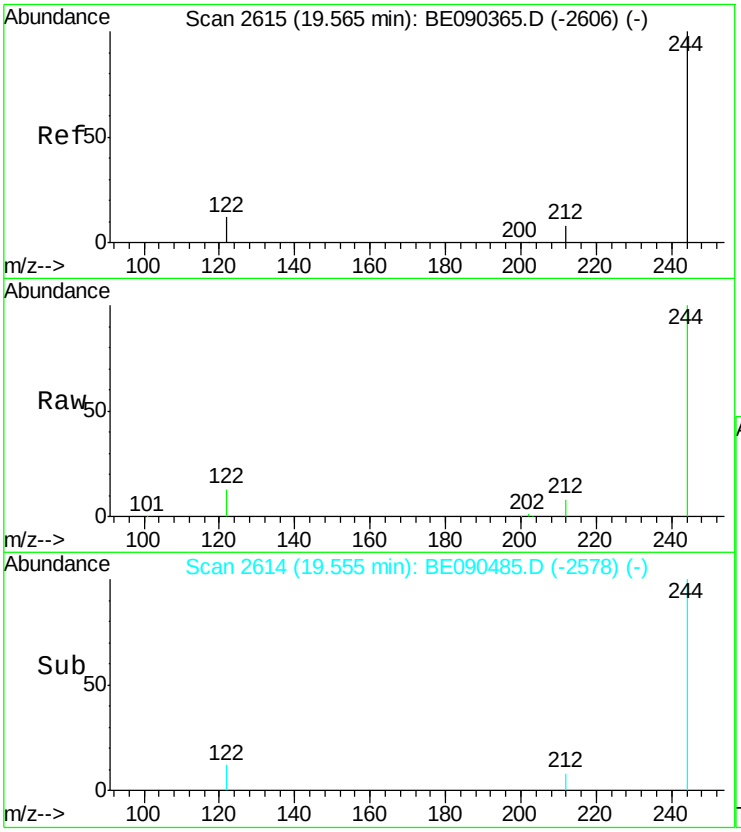


#26
Pyrene
Concen: 4.63 ng
RT: 19.34 min Scan# 2574
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:202 Resp: 148334

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.0	13.8	20.8



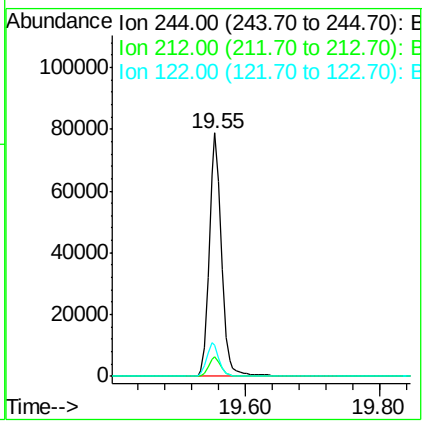


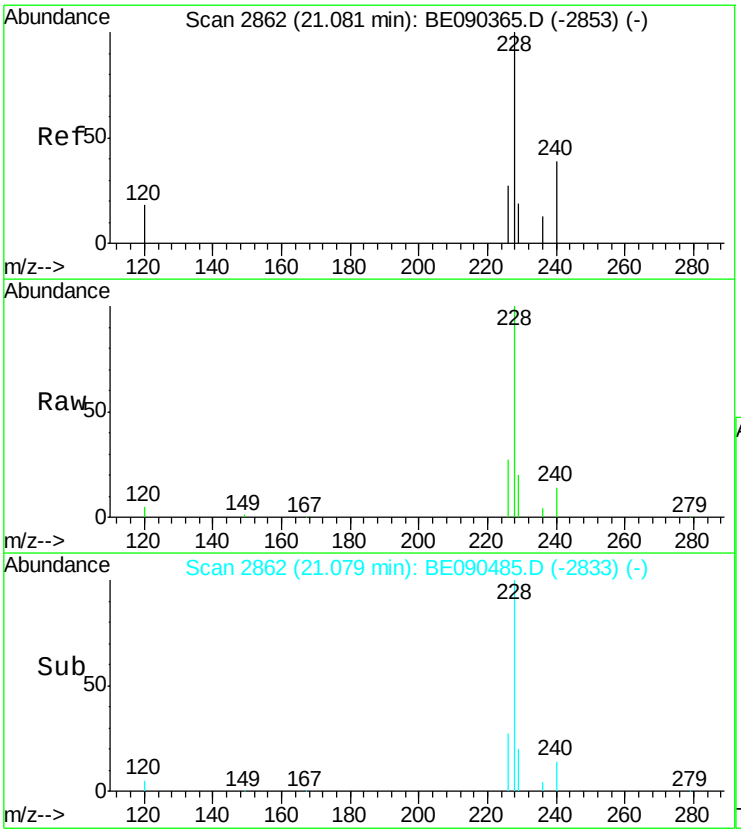
#27
Terphenyl-d14
Concen: 4.60 ng
RT: 19.55 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:244 Resp: 100197

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	9.8
122	12.5	10.2	15.4

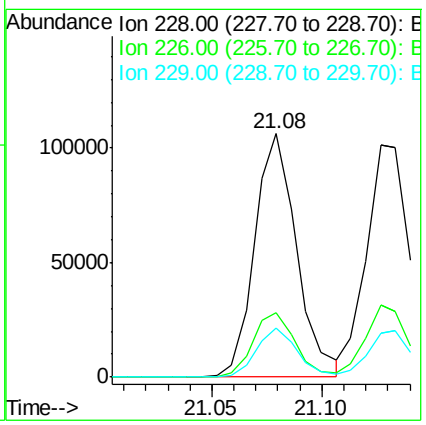


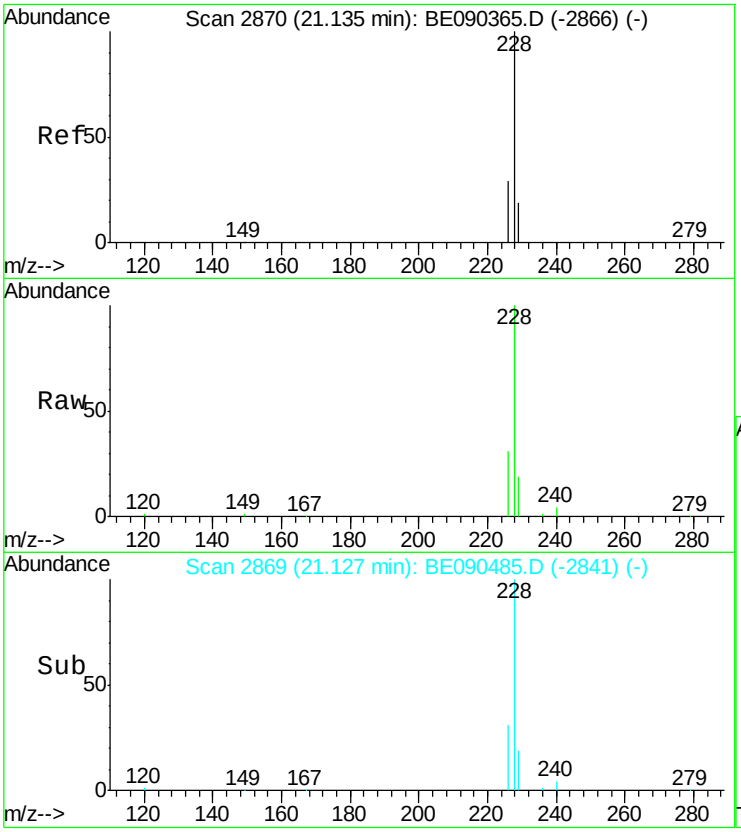


#28
Benzo(a)anthracene
Concen: 4.32 ng
RT: 21.08 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:228 Resp: 141488

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.9	15.4	23.0



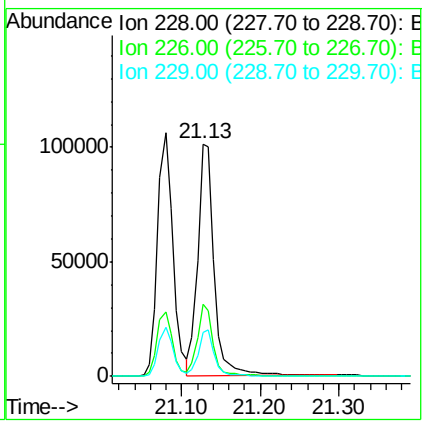


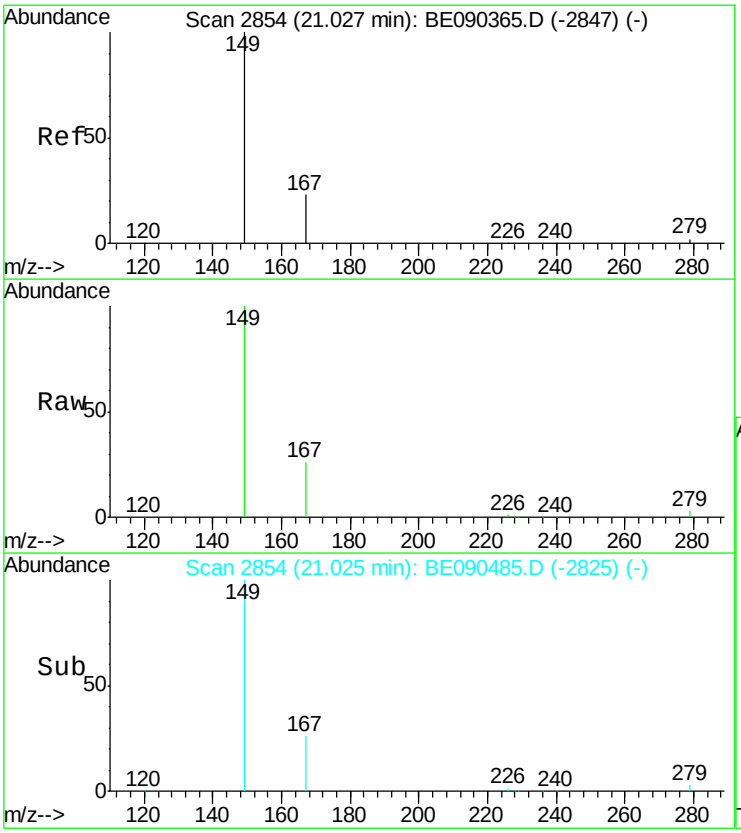
#29
Chrysene
Concen: 3.76 ng
RT: 21.13 min Scan# 2869
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:228 Resp: 148948

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.1	34.7
229	19.0	15.8	23.8

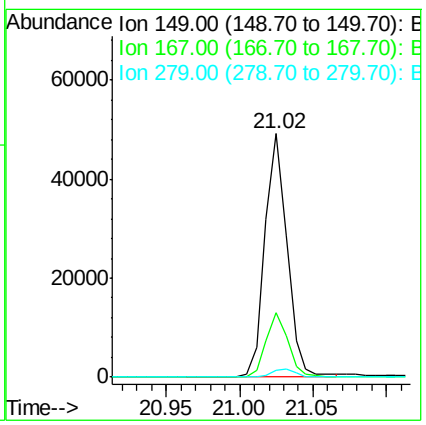


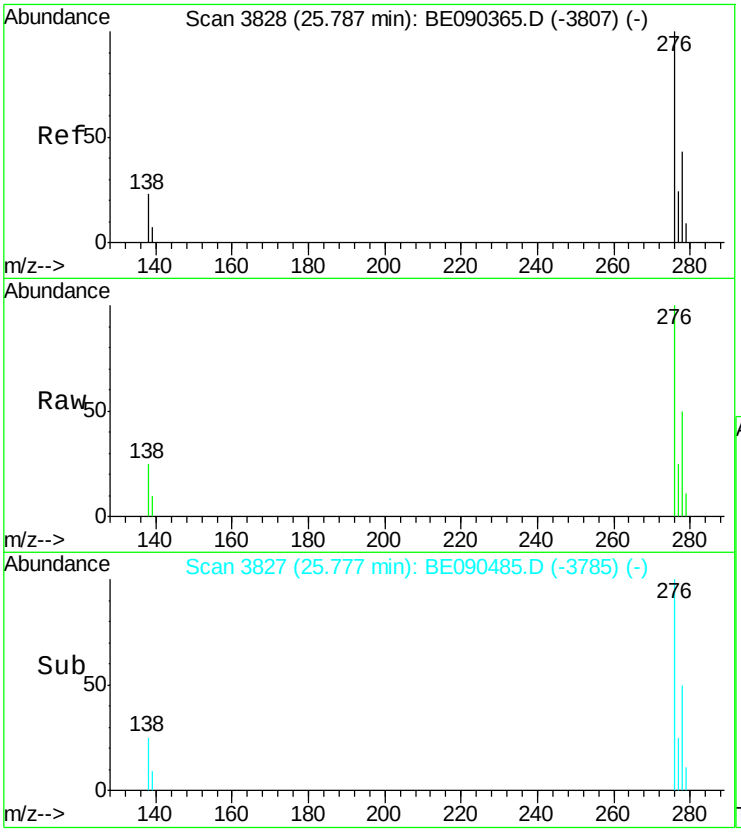


#30
Bis(2-ethylhexyl)phthalate
Concen: 4.51 ng
RT: 21.02 min Scan# 2854
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:149 Resp: 51370

Ion	Ratio	Lower	Upper
149	100		
167	25.8	19.8	29.8
279	3.2	2.4	3.6



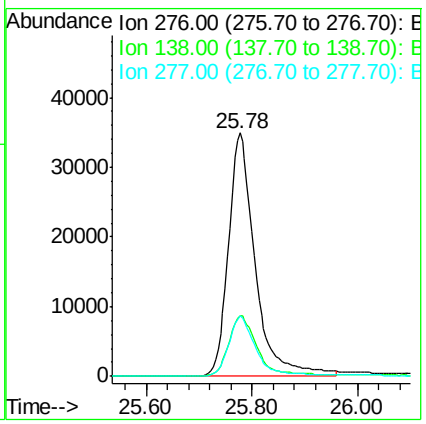


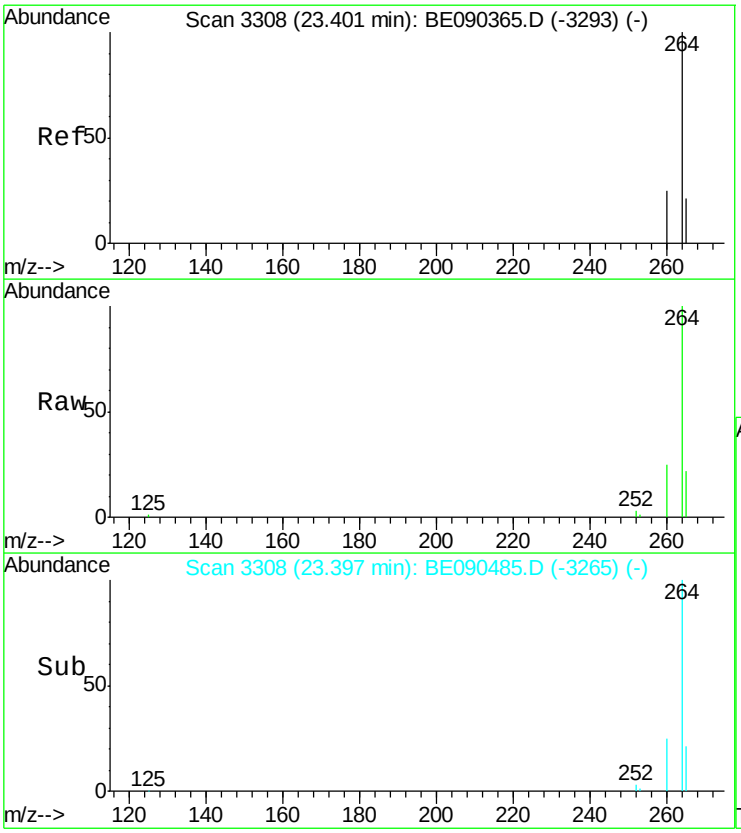
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.50 ng
RT: 25.78 min Scan# 3827
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:276 Resp: 122166

Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.8	28.2
277	24.9	18.2	27.4

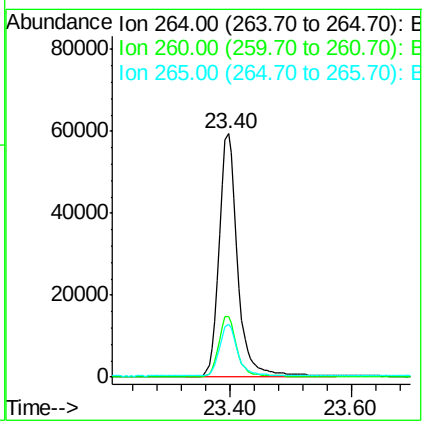


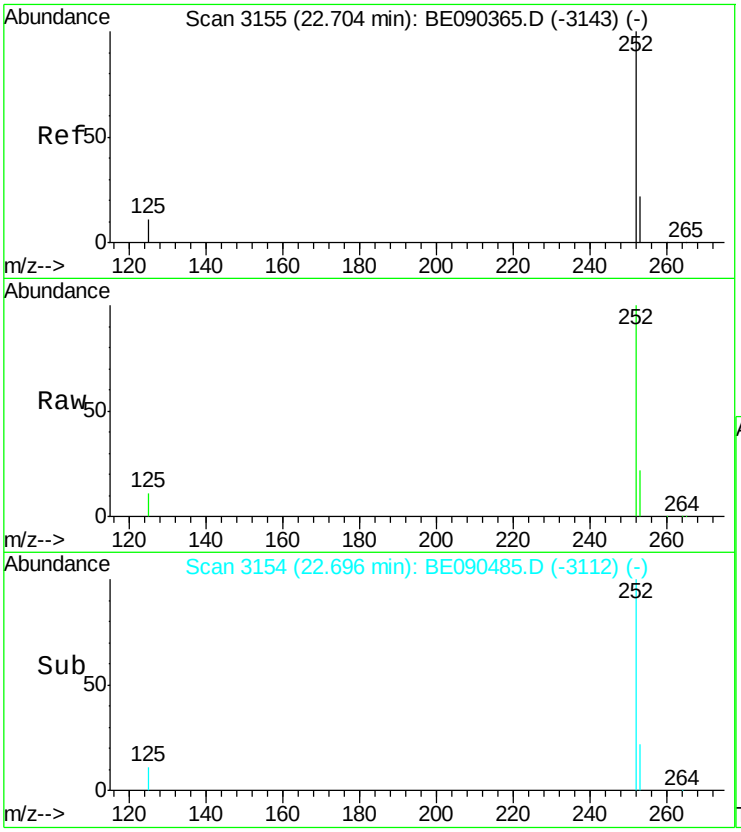


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:264 Resp: 126451

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	21.9	17.2	25.8



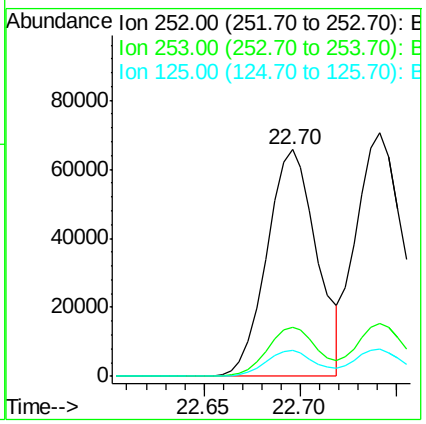


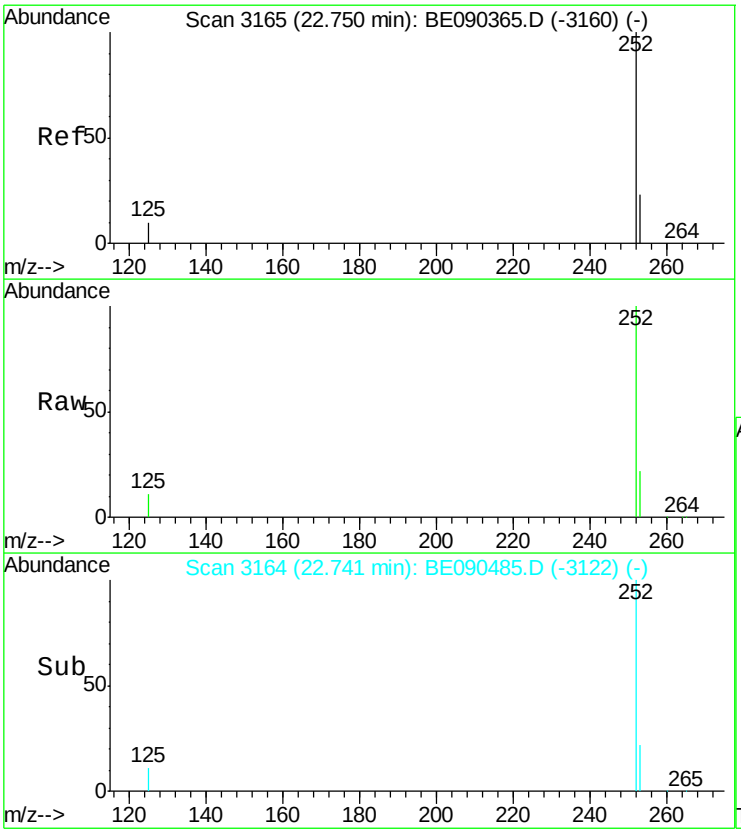
#33
Benzo(b)fluoranthene
Concen: 4.17 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:252 Resp: 118238

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	11.3	9.4	14.2

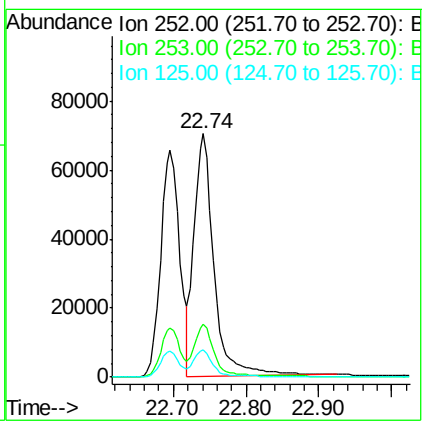


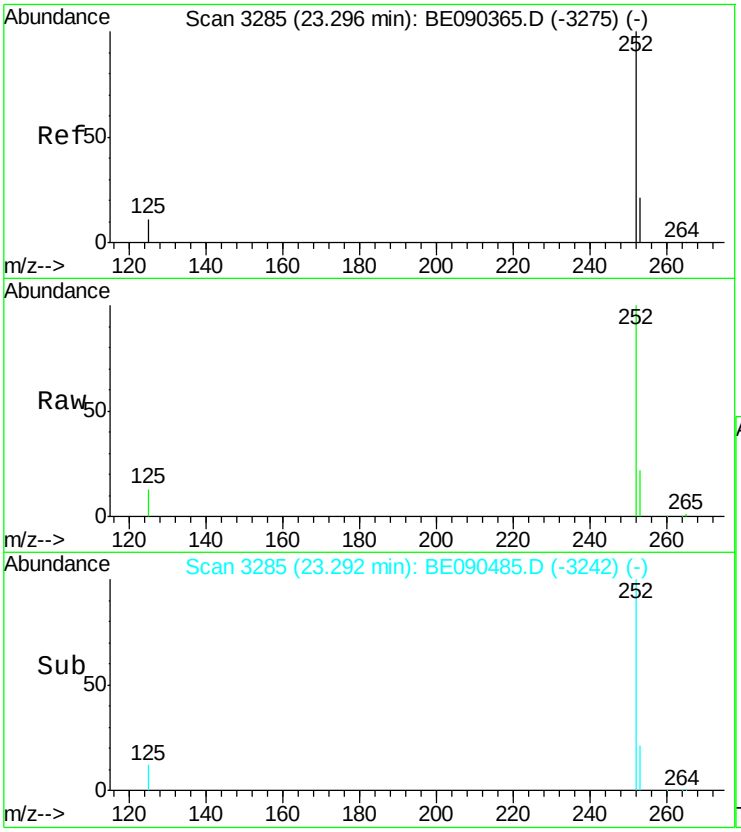


#34
Benzo(k)fluoranthene
Concen: 3.76 ng
RT: 22.74 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:252 Resp: 132459

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	11.3	9.1	13.7



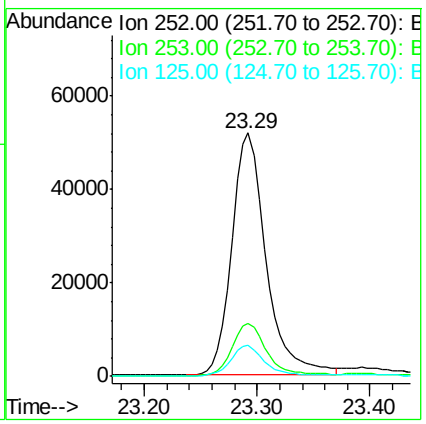


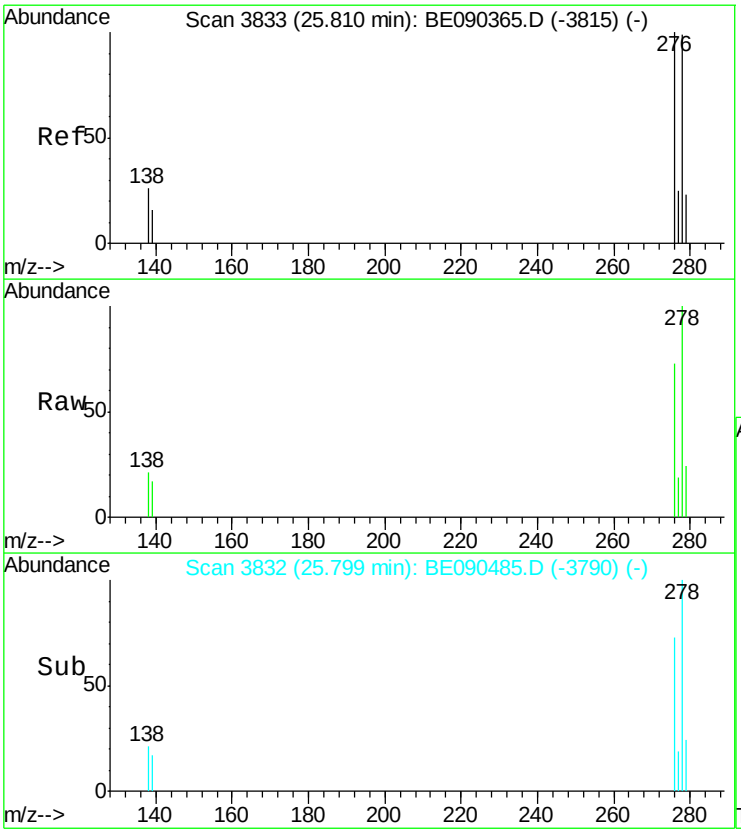
#35
Benzo(a)pyrene
Concen: 4.01 ng
RT: 23.29 min Scan# 3285
Delta R.T. -0.00 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:252 Resp: 107199

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.5	9.8	14.6

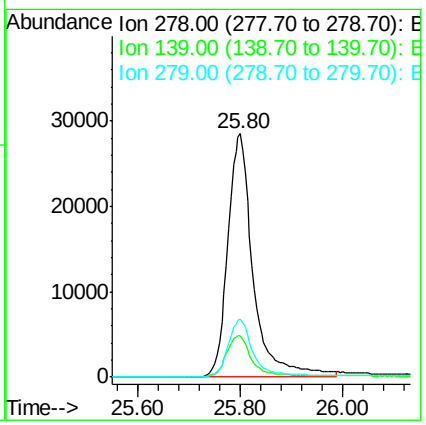


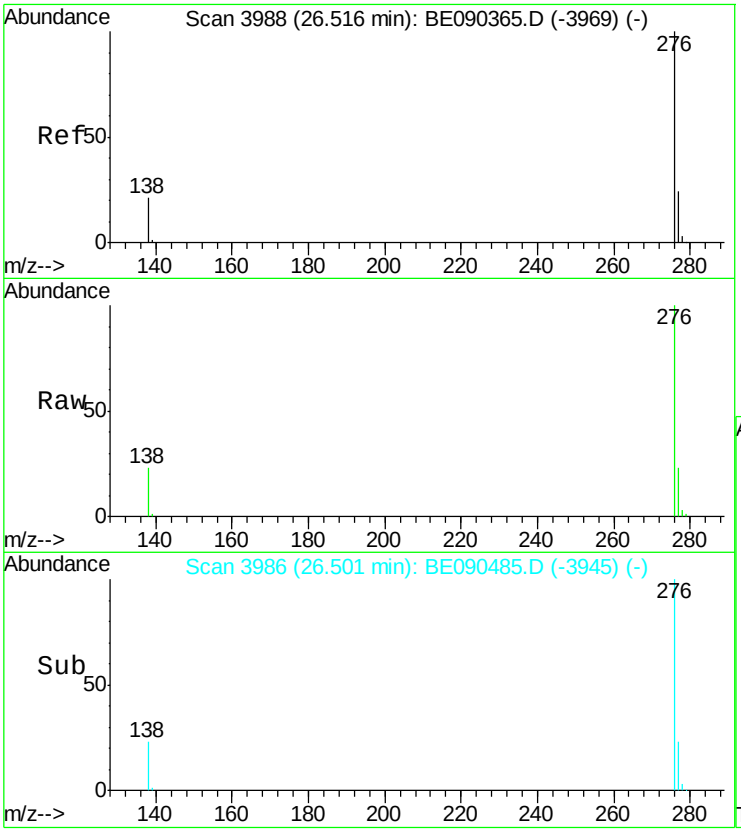


#36
Dibenzo(a,h)anthracene
Concen: 3.77 ng
RT: 25.80 min Scan# 3832
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:278 Resp: 97789

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.2	21.4
279	23.8	20.1	30.1





#37
Benzo(g,h,i)perylene
Concen: 4.65 ng
RT: 26.50 min Scan# 3986
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Instrument :
BNA_E
ClientSampleId :
PB84969BS

Tgt Ion:276 Resp: 108455

Ion	Ratio	Lower	Upper
276	100		
277	23.5	20.1	30.1
138	23.1	18.1	27.1