Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
Data File : BE089951.D
Acq On : 26 Jun 2015 20:10
Operator : TP/IZ
Sample : PB84222BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB84222BS

Quant Time: Jun 27 01:01:12 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 16:51:27 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	23650	5.00	ng		0.00
6) Naphthalene-d8	10.39	136	108724	5.00	ng		0.00
12) Acenaphthene-d10	14.24	164	68391	5.00	ng		0.00
18) Phenanthrene-d10	16.98	188	160917	5.00	ng		0.00
25) Chrysene-d12	21.14	240	173698	5.00	ng		0.00
32) Perylene-d12	23.47	264	148407	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	25320	5.93	ng		0.00
5) Phenol-d6	6.81	99	41192	6.30	ng		0.00
7) Nitrobenzene-d5	8.77	82	28483	3.52	ng		0.00
13) 2,4,6-Tribromophenol	15.74	330	7415	6.22	ng		0.00
14) 2-Fluorobiphenyl	12.86	172	68904	3.46	ng		0.00
27) Terphenyl-d14	19.60	244	109862	3.66	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	10180	3.60	ng		98
3) n-Nitrosodimethylamine	3.54	42	14030	3.30	ng		99
8) Nitrobenzene	8.81	77	29553	3.44	ng		98
9) Naphthalene	10.44	128	78145	3.23	ng		100
10) Hexachlorobutadiene	10.74	225	11976	3.13	ng		100
11) 2-Methylnaphthalene	12.05	142	54580	3.30	ng		99
15) Acenaphthylene	13.95	152	387198	3.23	ng		100
16) Acenaphthene	14.30	154	58093	3.30	ng		97
17) Fluorene	15.29	166	79145	3.59	ng		98
19) 4-Bromophenyl-phenylether	16.18	248	21764	3.32	ng		96
20) Hexachlorobenzene	16.30	284	93547	3.25	ng		99
21) Pentachlorophenol	16.63	266	10608	6.79	ng		88
22) Phenanthrene	17.01	178	131052	3.25	ng		100
23) Anthracene	17.12	178	128833	3.44	ng		99
24) Fluoranthene	19.02	202	144341	3.29	ng		100
26) Pyrene	19.38	202	151429	3.44	ng		99
28) Benzo(a)anthracene	21.12	228	138646	3.34	ng		98
29) Chrysene	21.17	228	144618	3.19	ng		99
30) Bis(2-ethylhexyl)phthalate	21.07	149	15935	4.50	ng		100
31) Indeno(1,2,3-cd)pyrene	25.88	276	123208	3.70	ng	#	100
33) Benzo(b)fluoranthene	22.75	252	115248	3.67	ng		99
34) Benzo(k)fluoranthene	22.80	252	126376	3.55	ng		99
35) Benzo(a)pyrene	23.36	252	106977	3.83	ng		99
36) Dibenzo(a,h)anthracene	25.90	278	100347	3.87	ng		100
37) Benzo(g,h,i)perylene	26.62	276	104084	3.73	ng		100

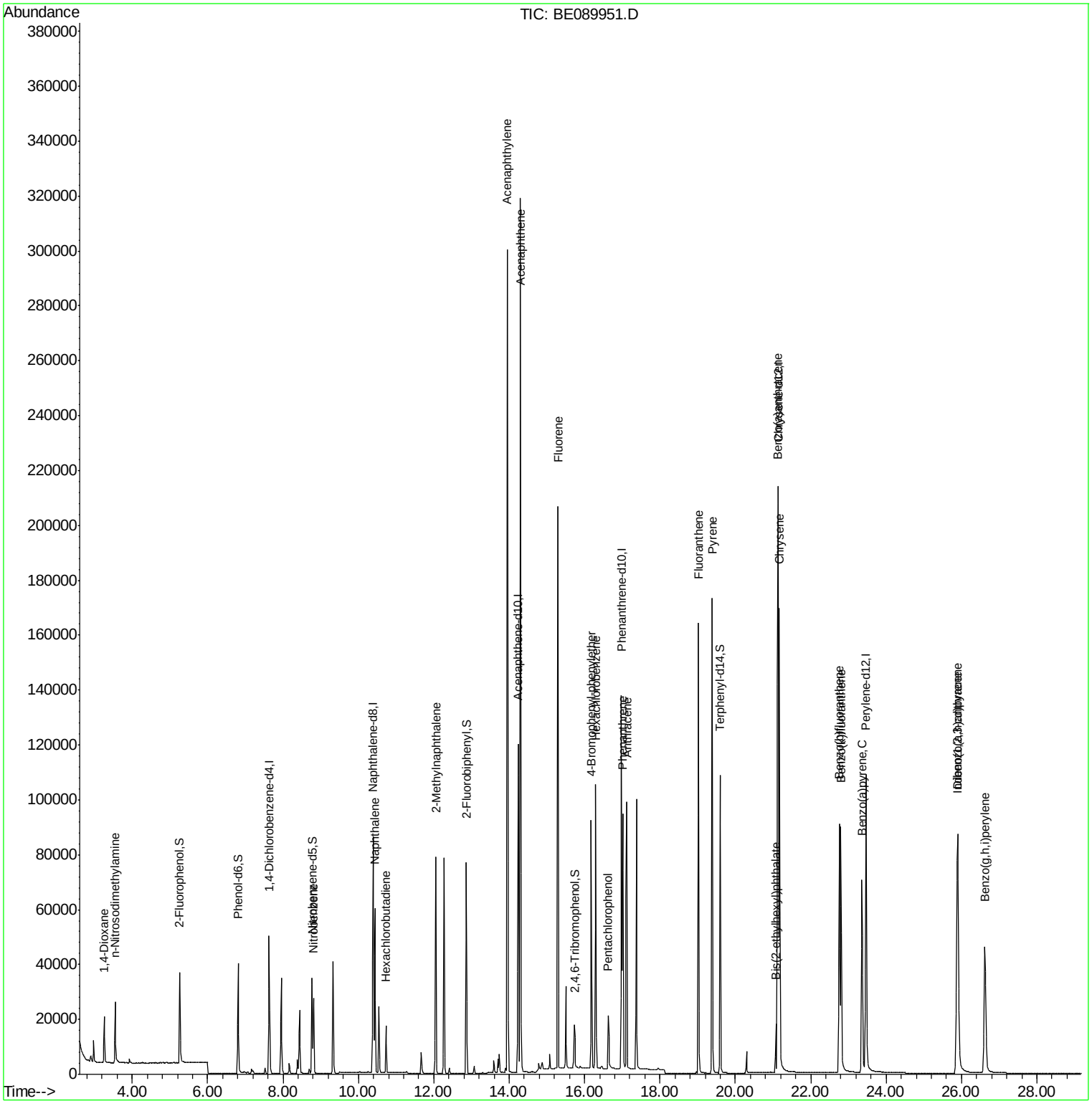
(#) = qualifier out of range (m) = manual integration (+) = signals summed

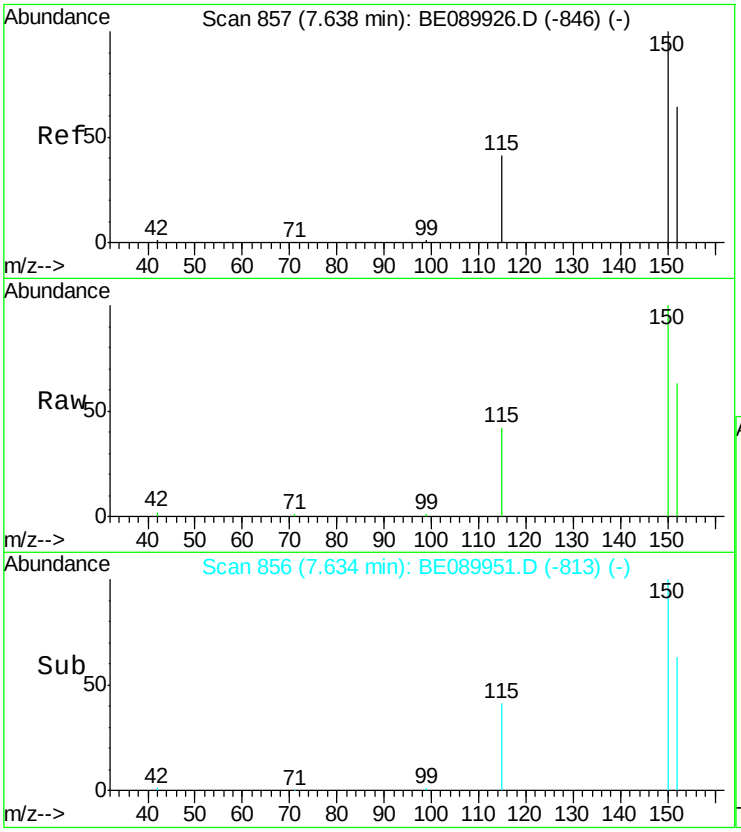
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
Data File : BE089951.D
Acq On : 26 Jun 2015 20:10
Operator : TP/IZ
Sample : PB84222BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Quant Time: Jun 27 01:01:12 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 16:51:27 2015
Response via : Initial Calibration



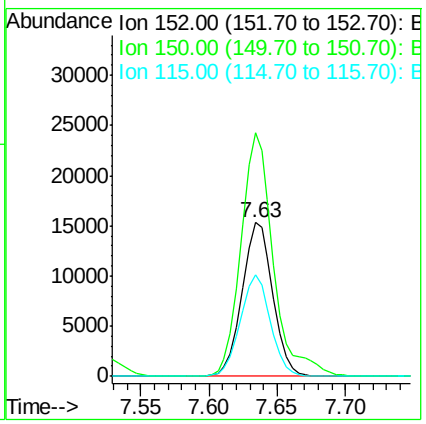


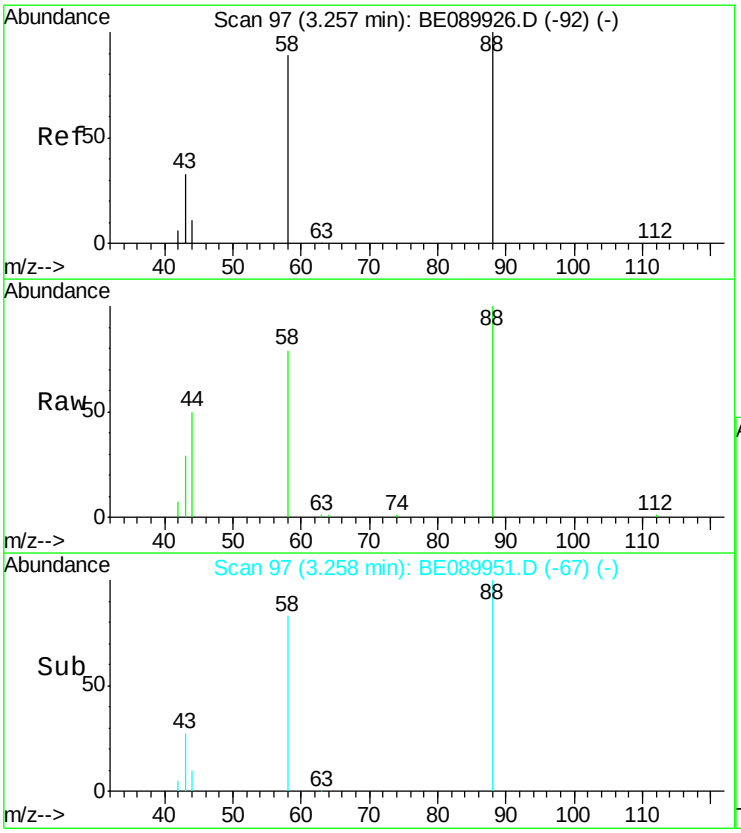
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 856
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:152 Resp: 23650

Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	65.9	51.6	77.4

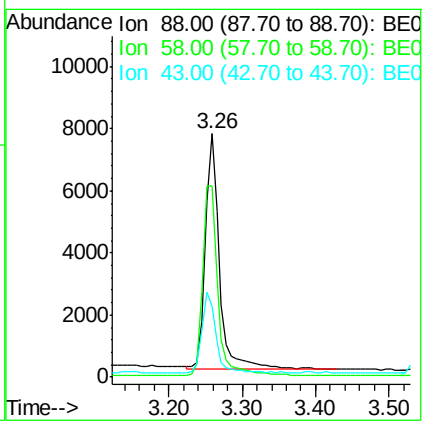


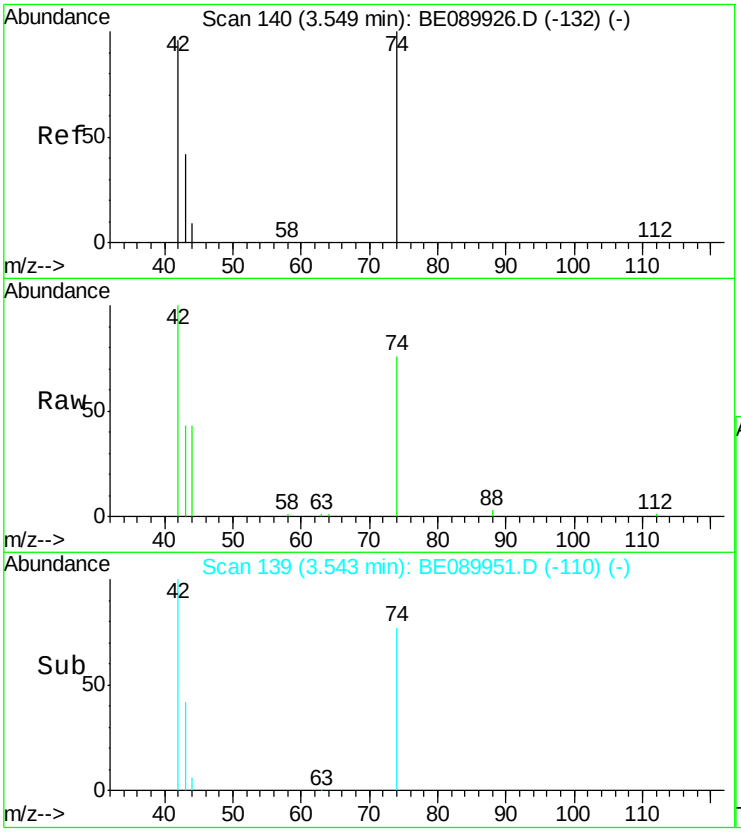


#2
1,4-Dioxane
Concen: 3.60 ng
RT: 3.26 min Scan# 97
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion: 88 Resp: 10180

Ion	Ratio	Lower	Upper
88	100		
58	86.1	70.8	106.2
43	34.1	26.8	40.2



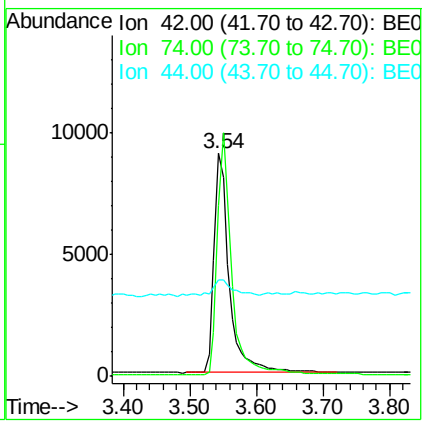


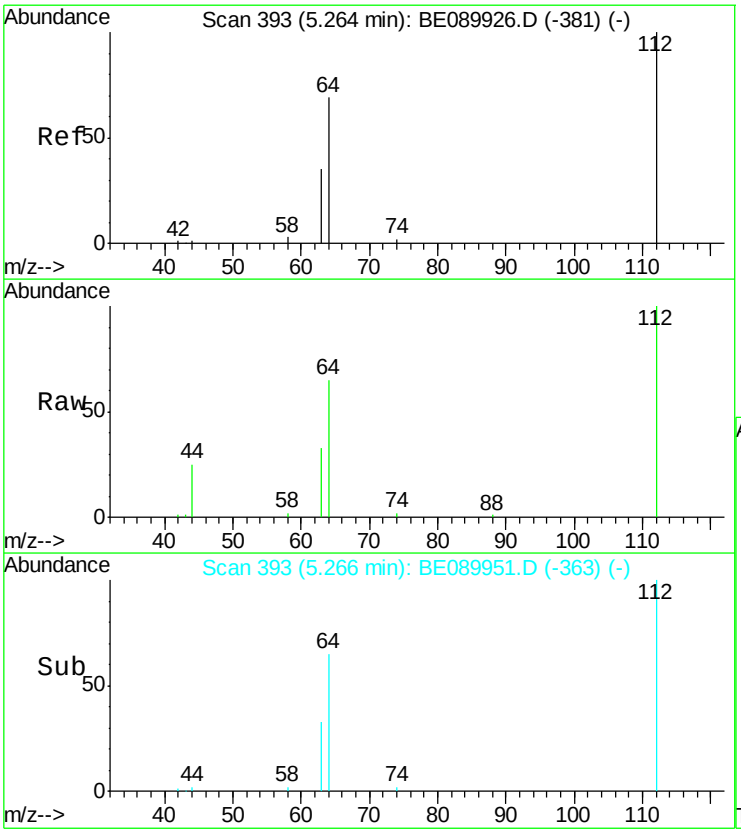
#3
n-Nitrosodimethylamine
Concen: 3.30 ng
RT: 3.54 min Scan# 139
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion: 42 Resp: 14030

Ion	Ratio	Lower	Upper
42	100		
74	105.5	85.4	128.2
44	9.2	8.4	12.6

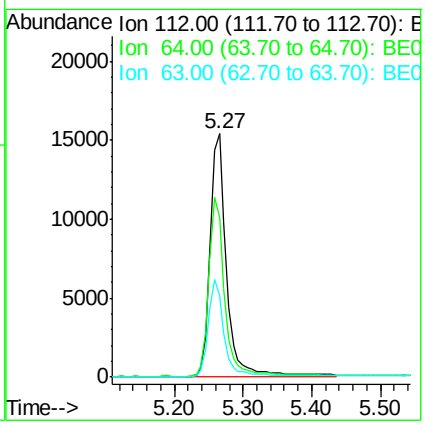


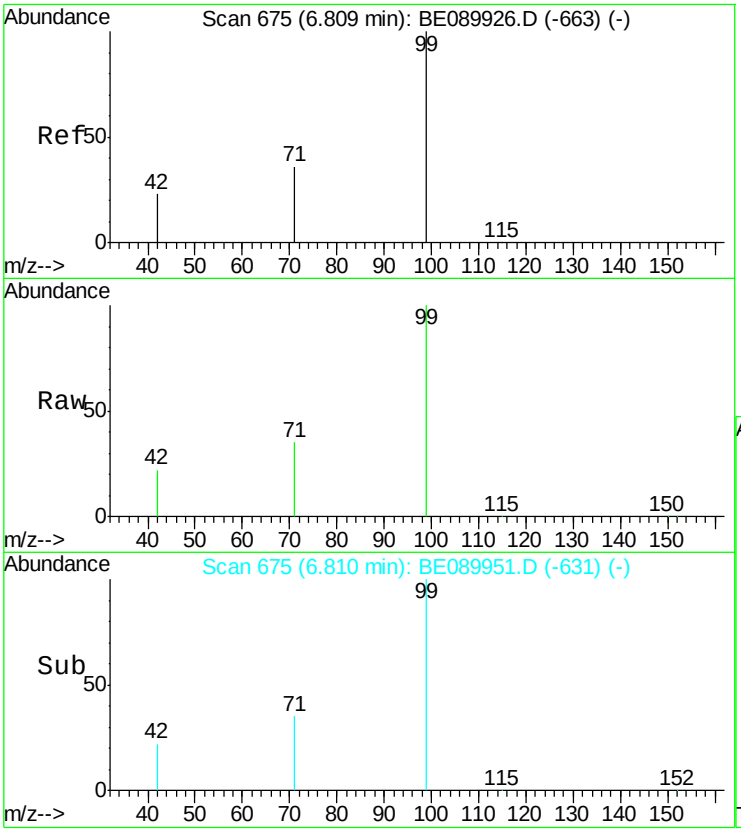


#4
2-Fluorophenol
Concen: 5.93 ng
RT: 5.27 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:112 Resp: 25320

Ion	Ratio	Lower	Upper
112	100		
64	72.3	57.4	86.2
63	38.0	31.2	46.8



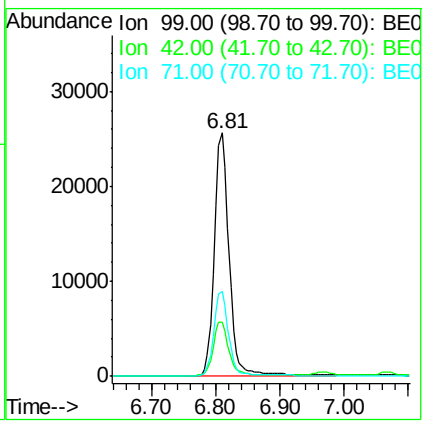


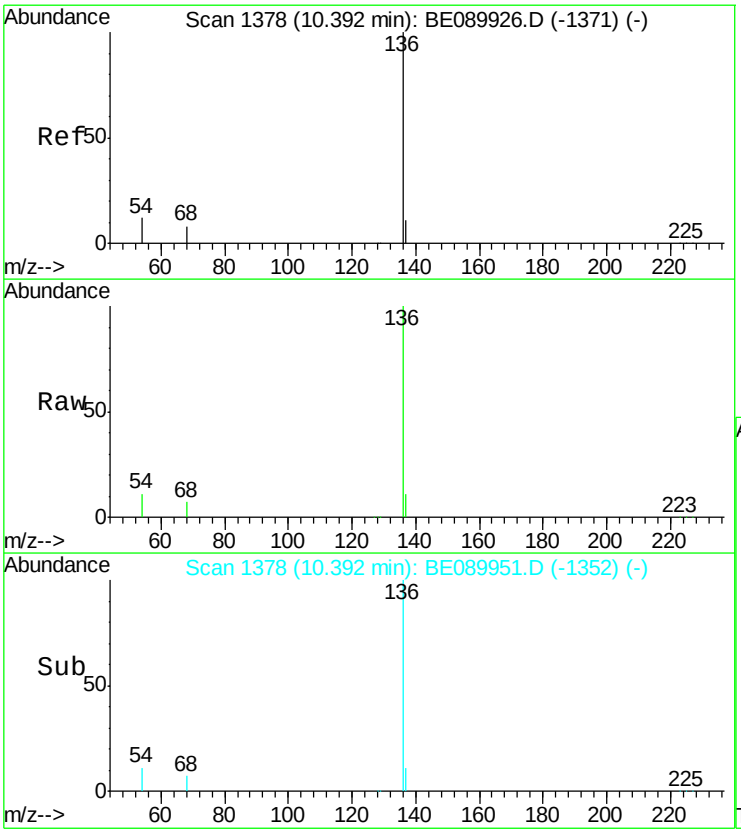
#5
Phenol-d6
Concen: 6.30 ng
RT: 6.81 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion: 99 Resp: 41192

Ion	Ratio	Lower	Upper
99	100		
42	23.3	19.5	29.3
71	34.9	27.8	41.6

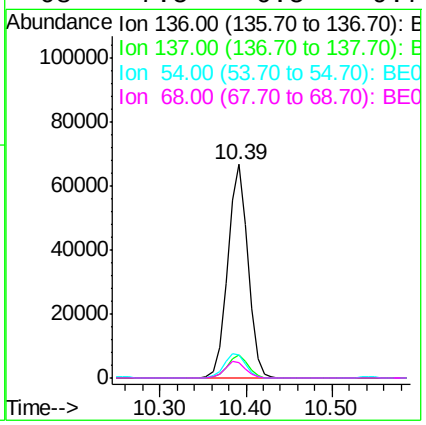


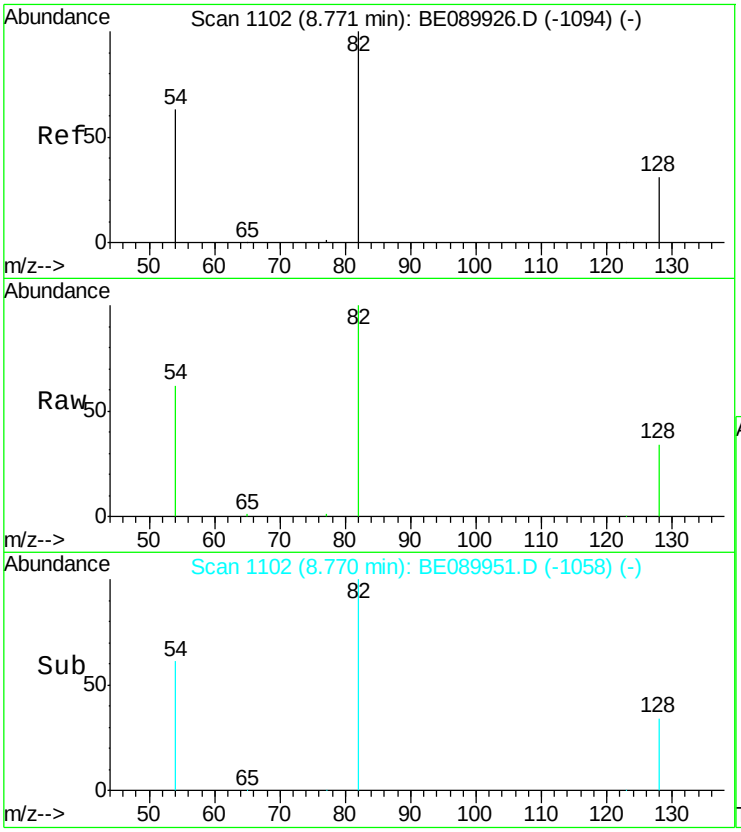


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:136 Resp: 108724

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.9	9.7	14.5
68	7.5	6.5	9.7



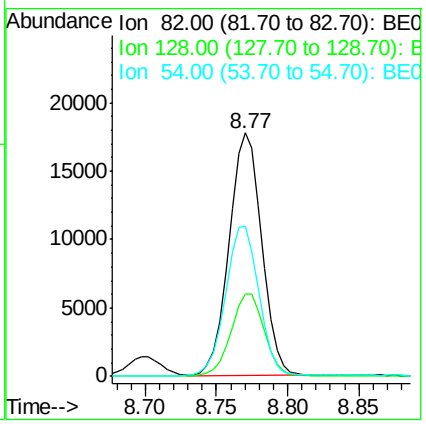


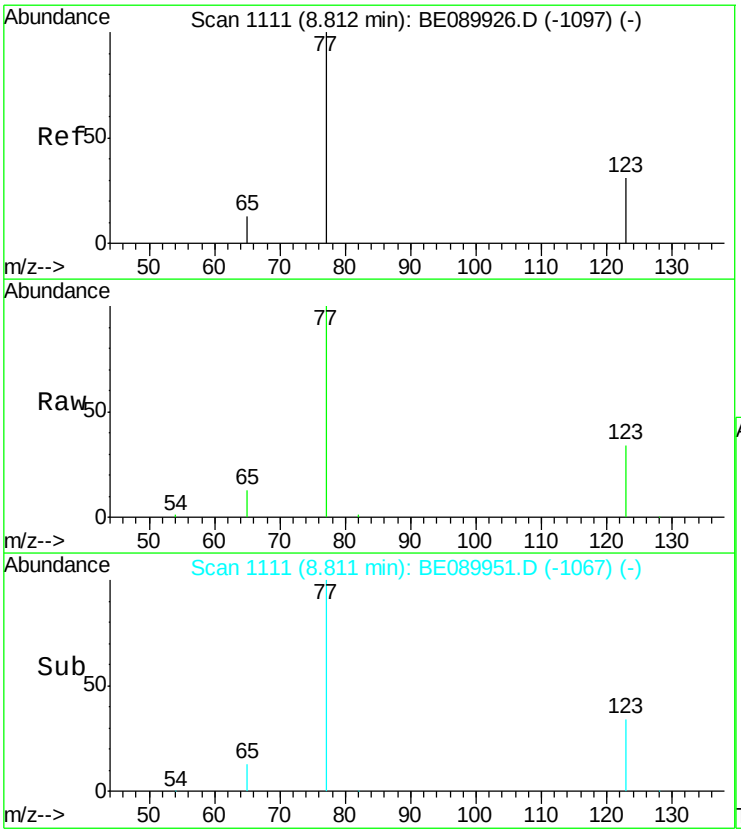
#7
Nitrobenzene-d5
Concen: 3.52 ng
RT: 8.77 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion: 82 Resp: 28483

Ion	Ratio	Lower	Upper
82	100		
128	33.7	25.6	38.4
54	61.5	51.2	76.8

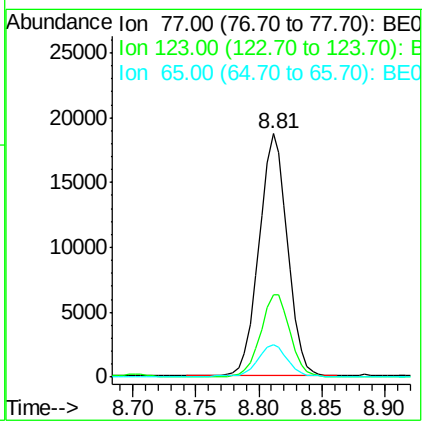


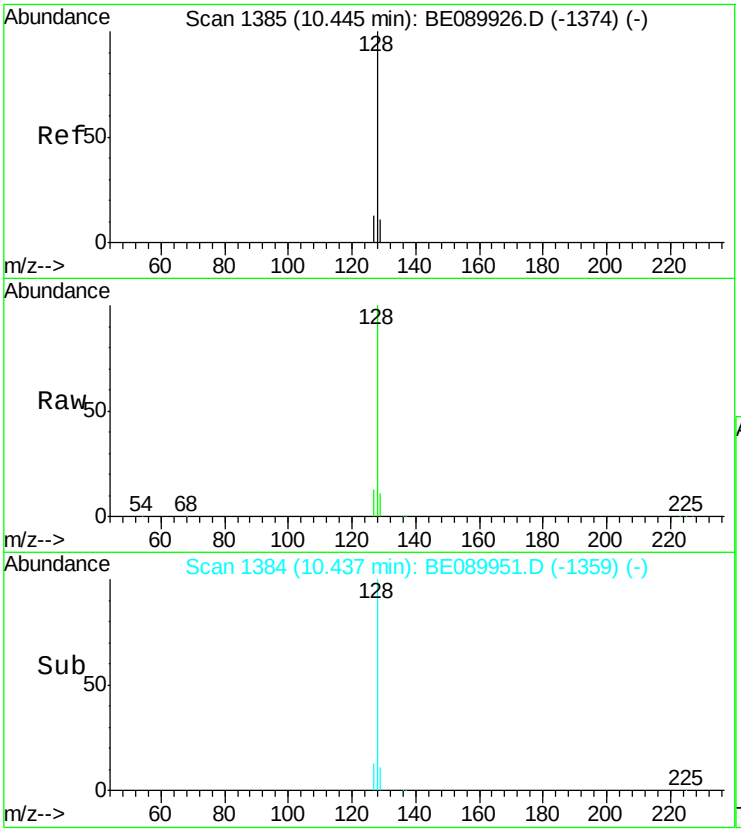


#8
Nitrobenzene
Concen: 3.44 ng
RT: 8.81 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion: 77 Resp: 29553

Ion	Ratio	Lower	Upper
77	100		
123	34.7	26.6	39.8
65	13.3	10.2	15.4



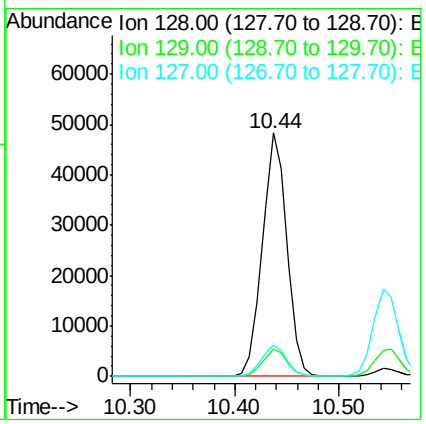


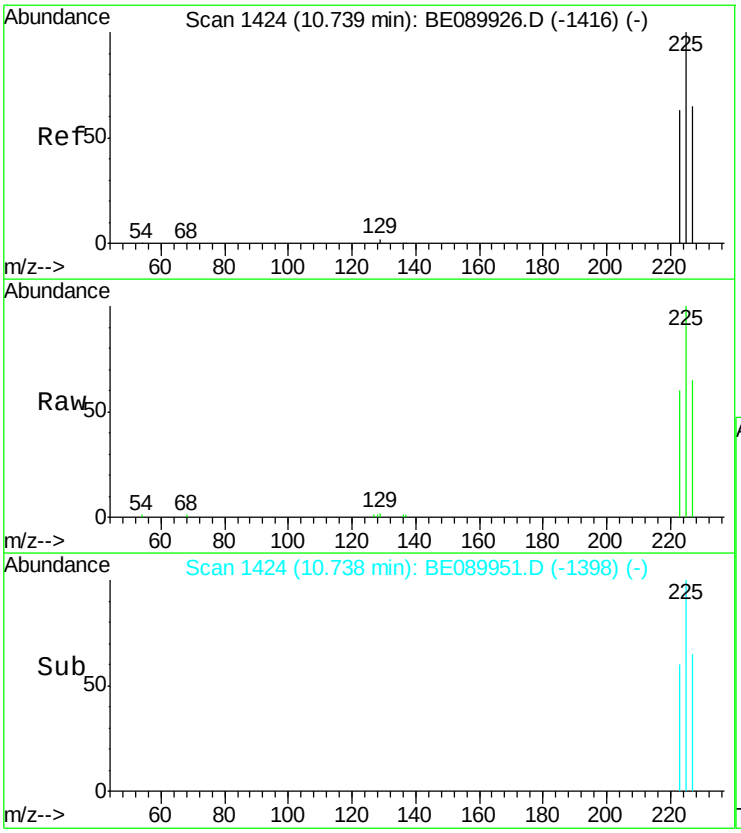
#9
Naphthalene
Concen: 3.23 ng
RT: 10.44 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:128 Resp: 78145

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.2	15.4

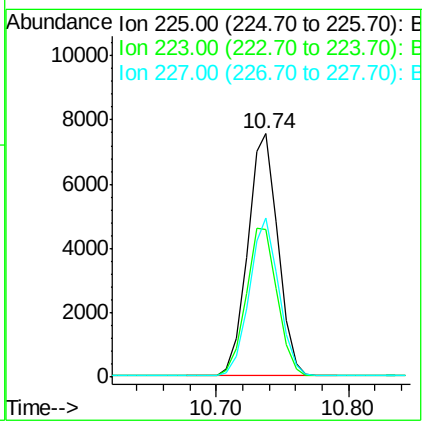


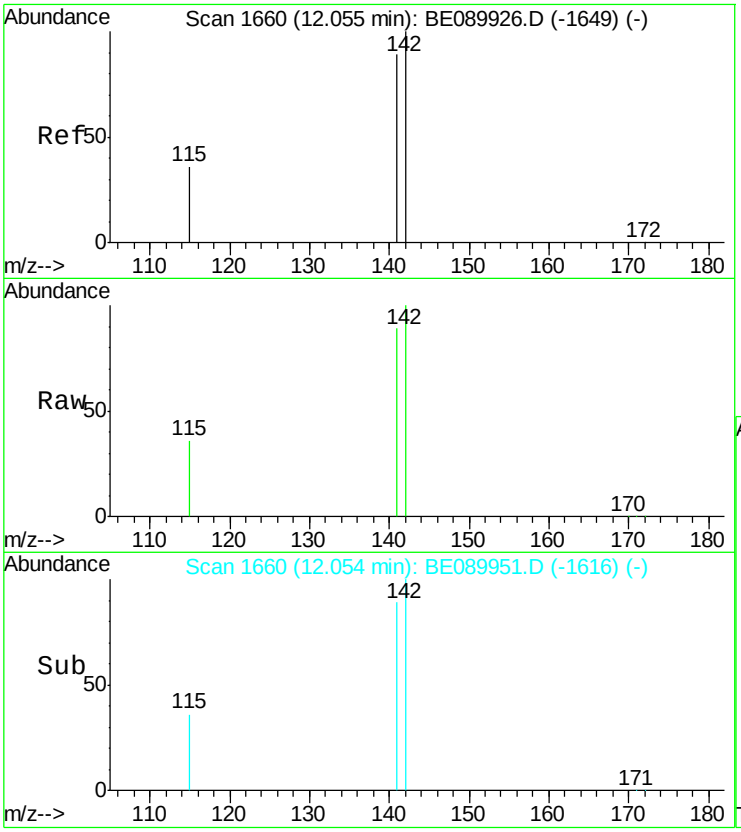


#10
Hexachlorobutadiene
Concen: 3.13 ng
RT: 10.74 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:225 Resp: 11976

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.0	75.0
227	63.3	50.7	76.1



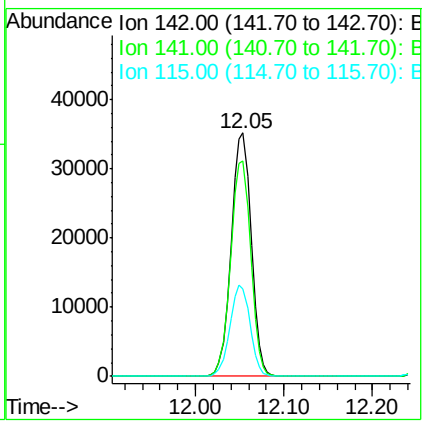


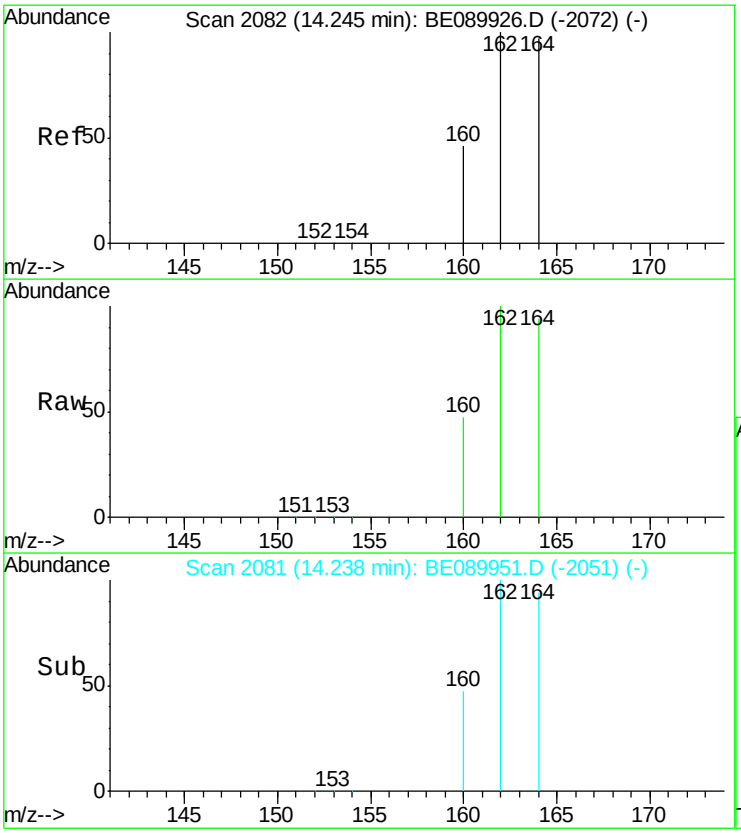
#11
2-Methylnaphthalene
Concen: 3.30 ng
RT: 12.05 min Scan# 1660
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:142 Resp: 54580

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7
115	35.9	29.1	43.7

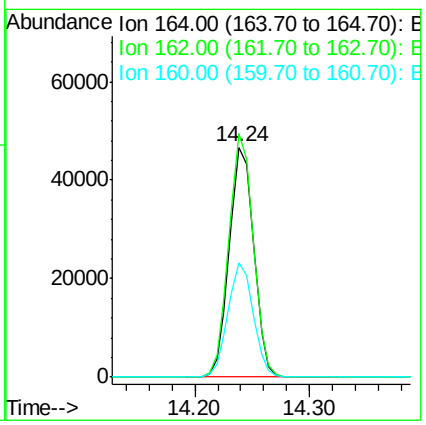


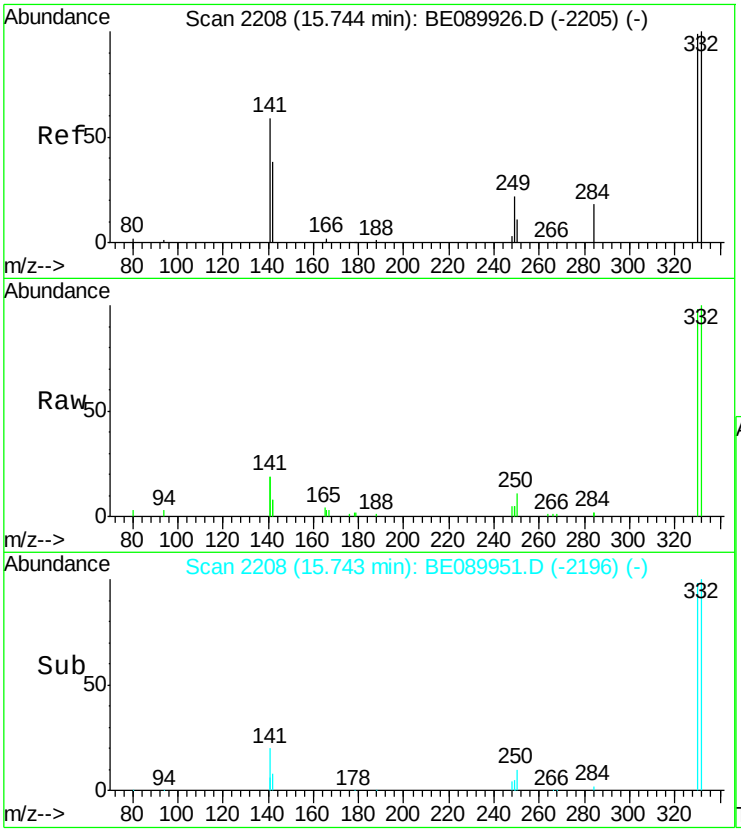


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:164 Resp: 68391

Ion	Ratio	Lower	Upper
164	100		
162	105.9	82.7	124.1
160	49.8	38.3	57.5



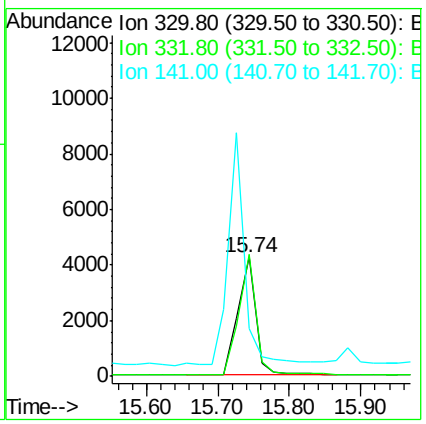


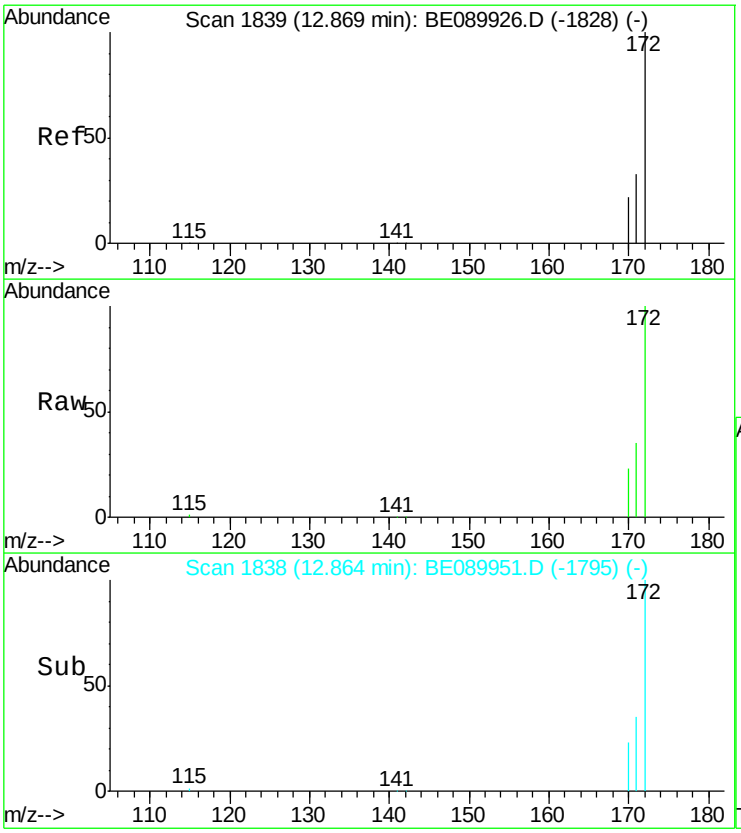
#13
2,4,6-Tribromophenol
Concen: 6.22 ng
RT: 15.74 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:330 Resp: 7415

Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.9	116.9
141	180.3	142.8	214.2

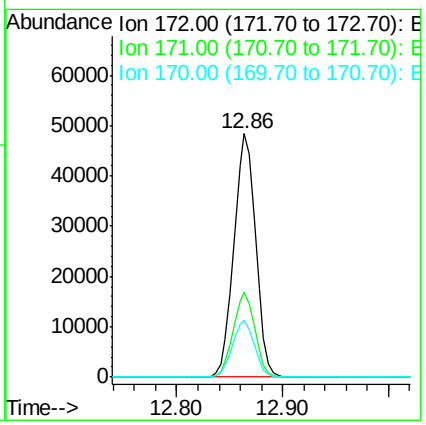


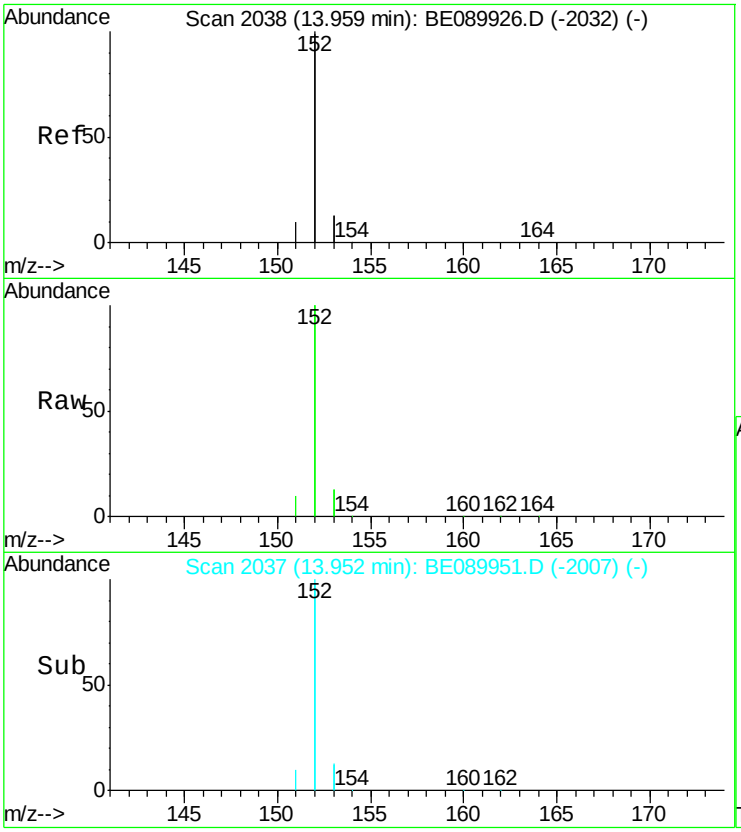


#14
2-Fluorobiphenyl
Concen: 3.46 ng
RT: 12.86 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:172 Resp: 68904

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.7	40.1
170	23.4	17.5	26.3



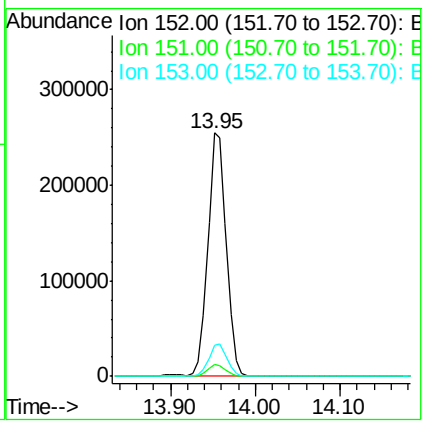


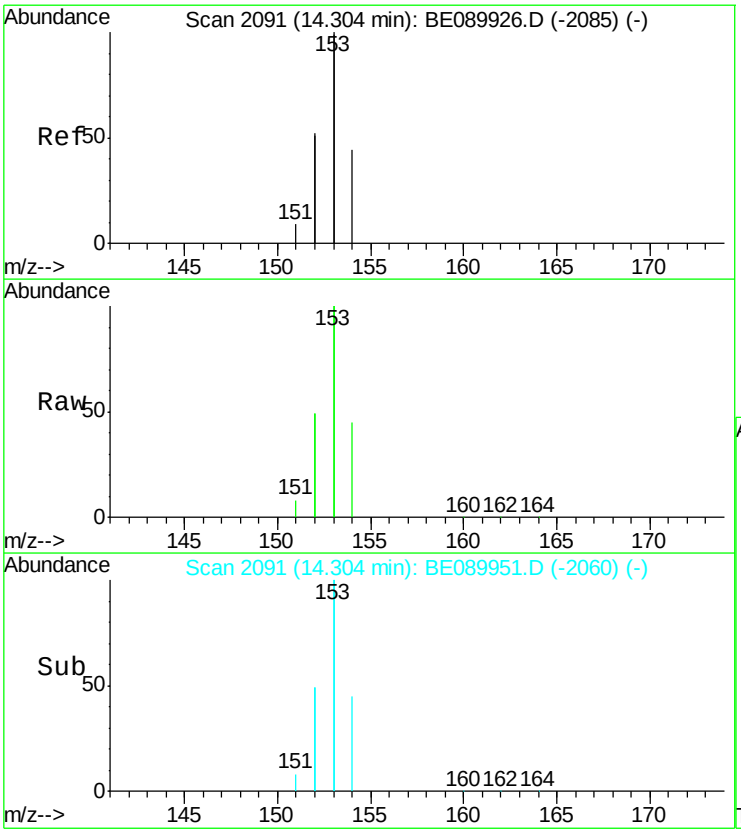
#15
Acenaphthylene
Concen: 3.23 ng
RT: 13.95 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:152 Resp: 387198

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6

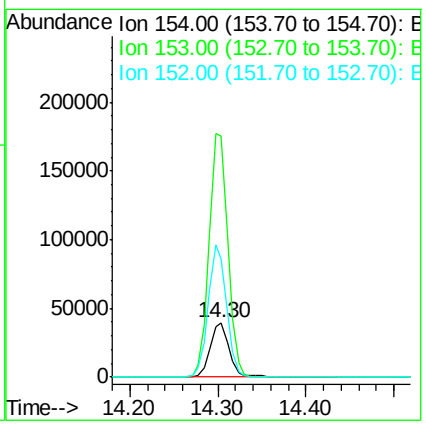


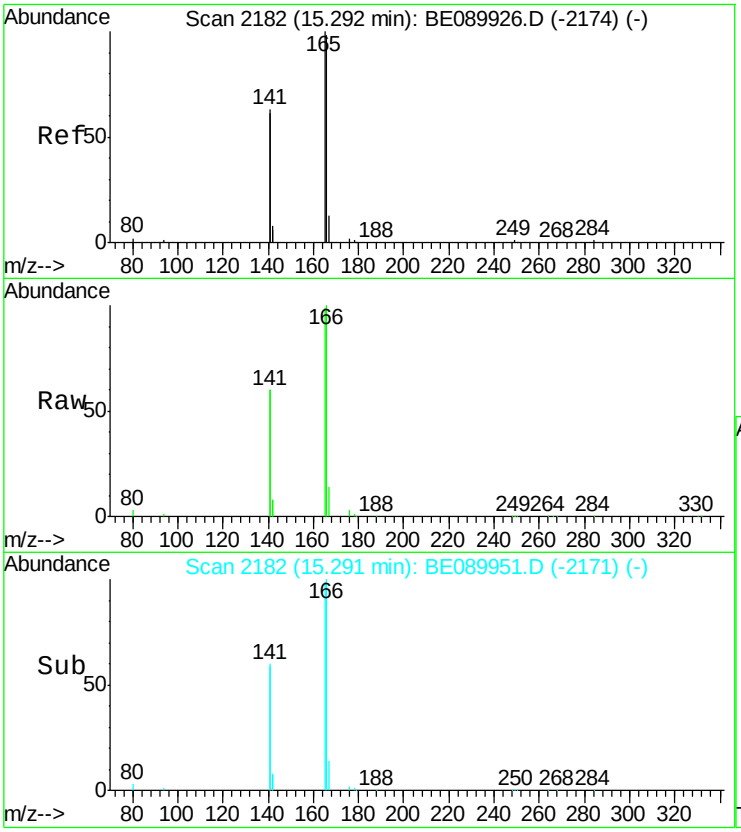


#16
Acenaphthene
Concen: 3.30 ng
RT: 14.30 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:154 Resp: 58093

Ion	Ratio	Lower	Upper
154	100		
153	446.6	362.8	544.2
152	236.0	194.6	291.8



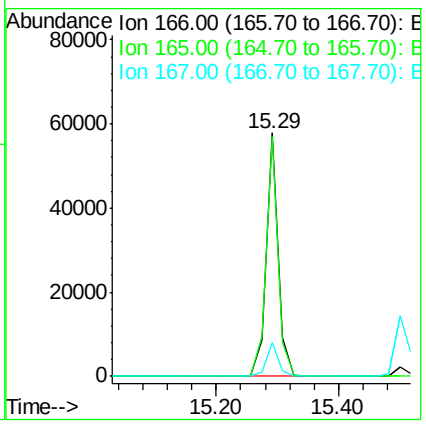


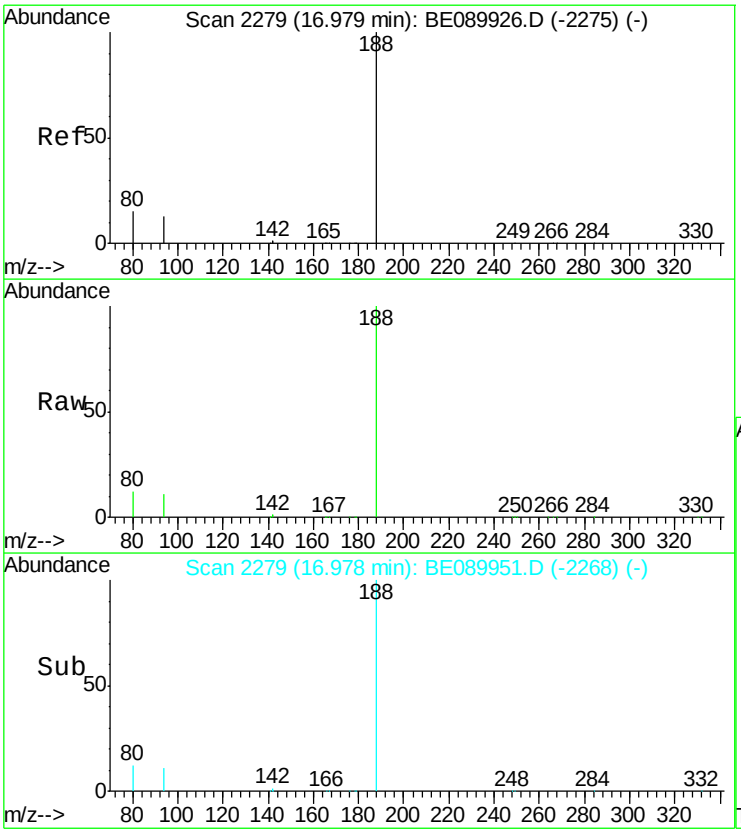
#17
Fluorene
Concen: 3.59 ng
RT: 15.29 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:166 Resp: 79145

Ion	Ratio	Lower	Upper
166	100		
165	99.2	81.1	121.7
167	14.0	11.8	17.8

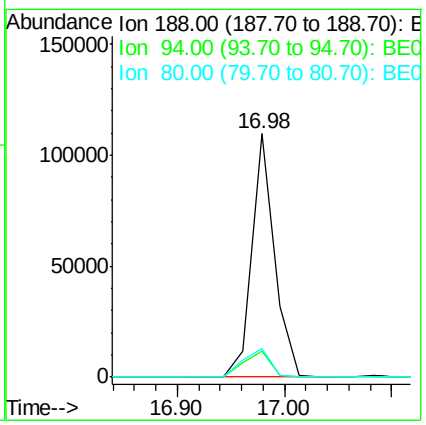


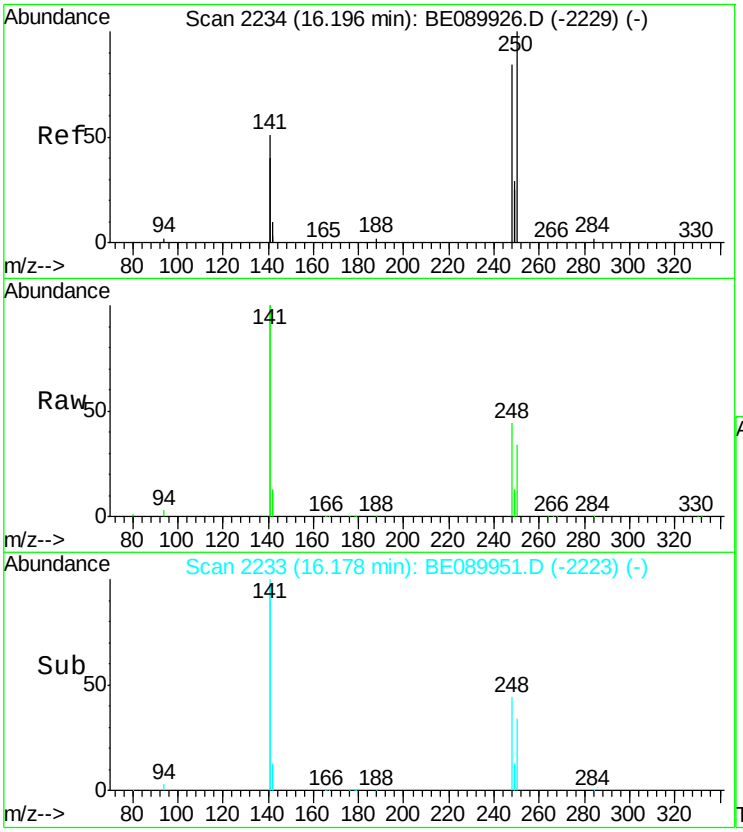


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:188 Resp: 160917

Ion	Ratio	Lower	Upper
188	100		
94	10.8	10.6	16.0
80	12.0	11.8	17.6



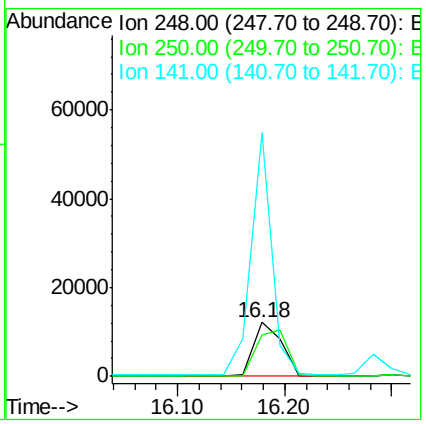


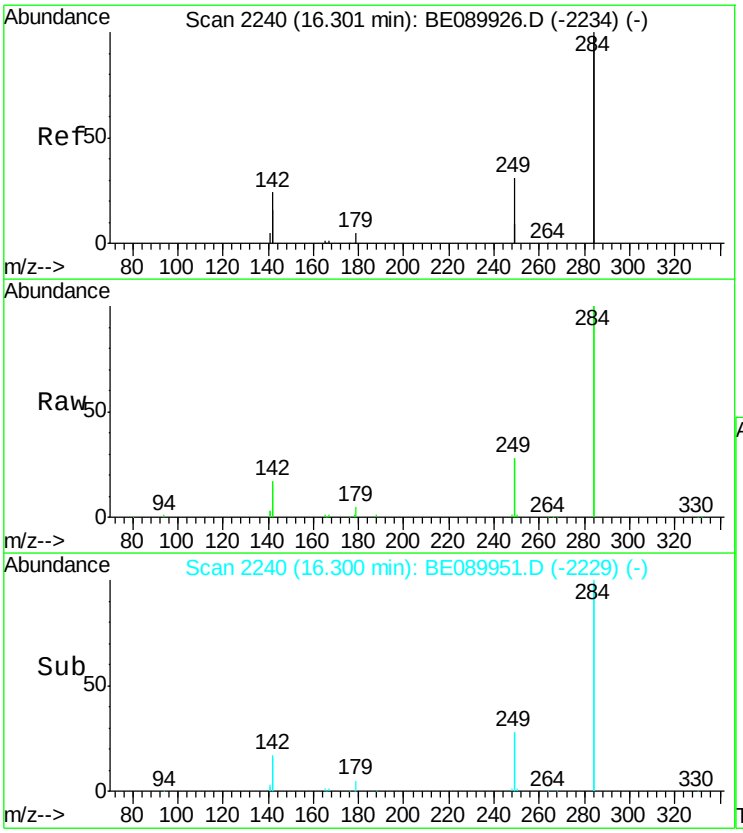
#19
4-Bromophenyl-phenylether
Concen: 3.32 ng
RT: 16.18 min Scan# 2233
Delta R.T. -0.02 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:248 Resp: 21764

Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.3	118.9
141	331.5	274.1	411.1

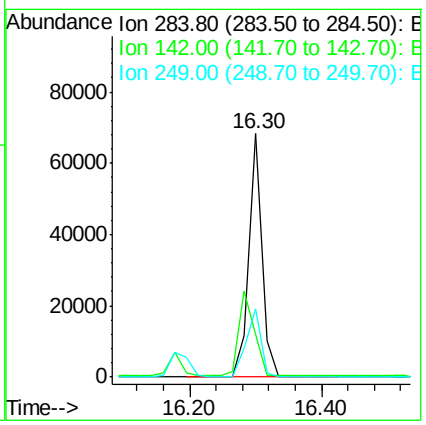


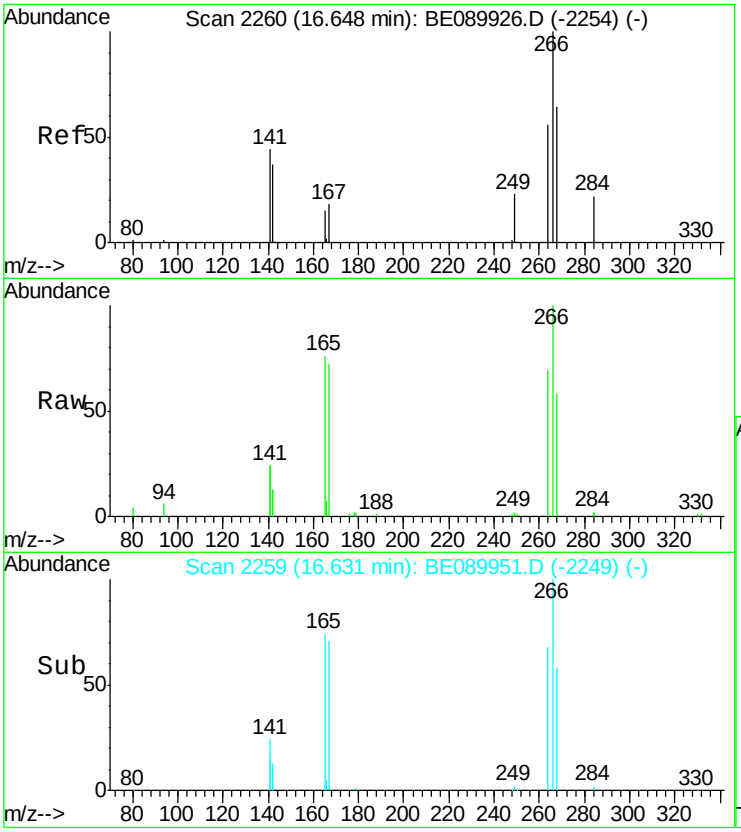


#20
Hexachlorobenzene
Concen: 3.25 ng
RT: 16.30 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:284 Resp: 93547

Ion	Ratio	Lower	Upper
284	100		
142	41.1	32.0	48.0
249	31.5	25.0	37.6



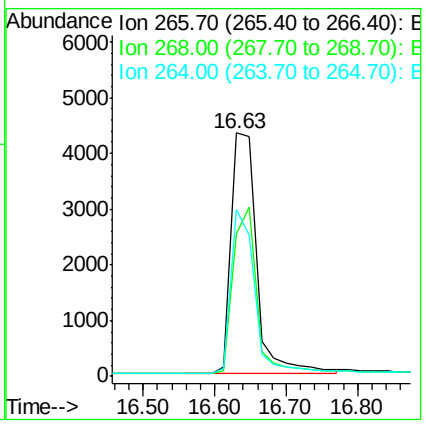


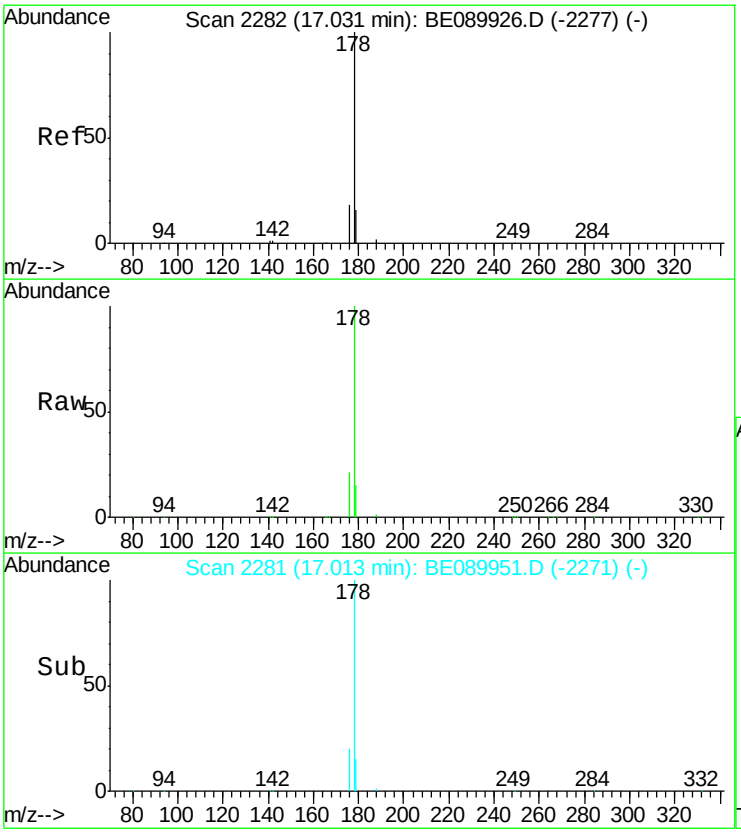
#21
Pentachlorophenol
Concen: 6.79 ng
RT: 16.63 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:266 Resp: 10608

Ion	Ratio	Lower	Upper
266	100		
268	58.5	54.4	81.6
264	68.7	48.2	72.2

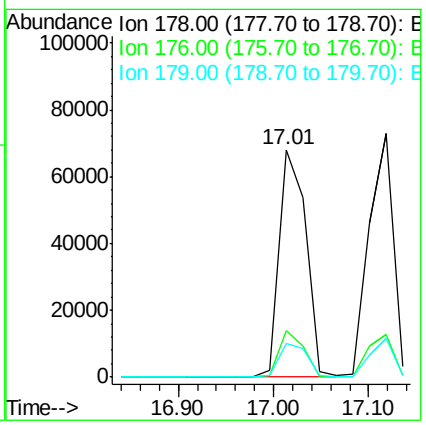


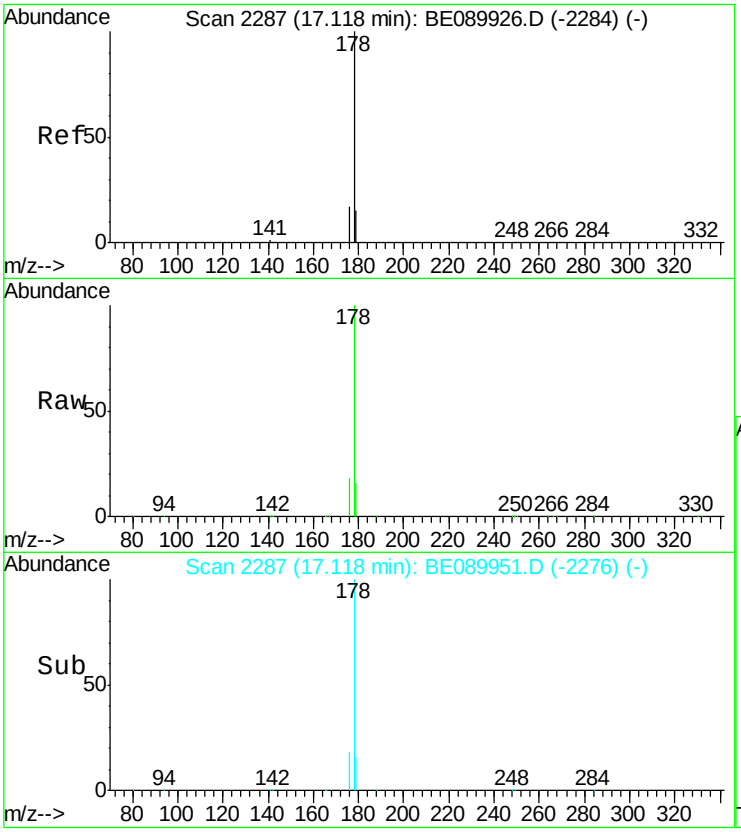


#22
Phenanthrene
Concen: 3.25 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:178 Resp: 131052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.6	19.0



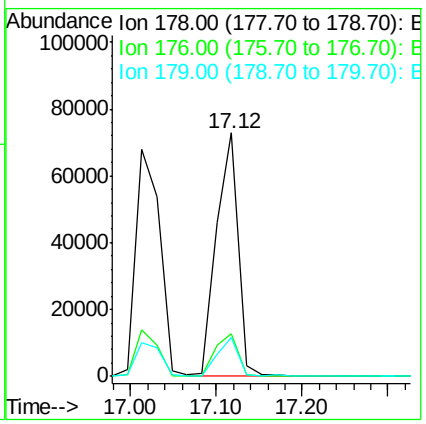


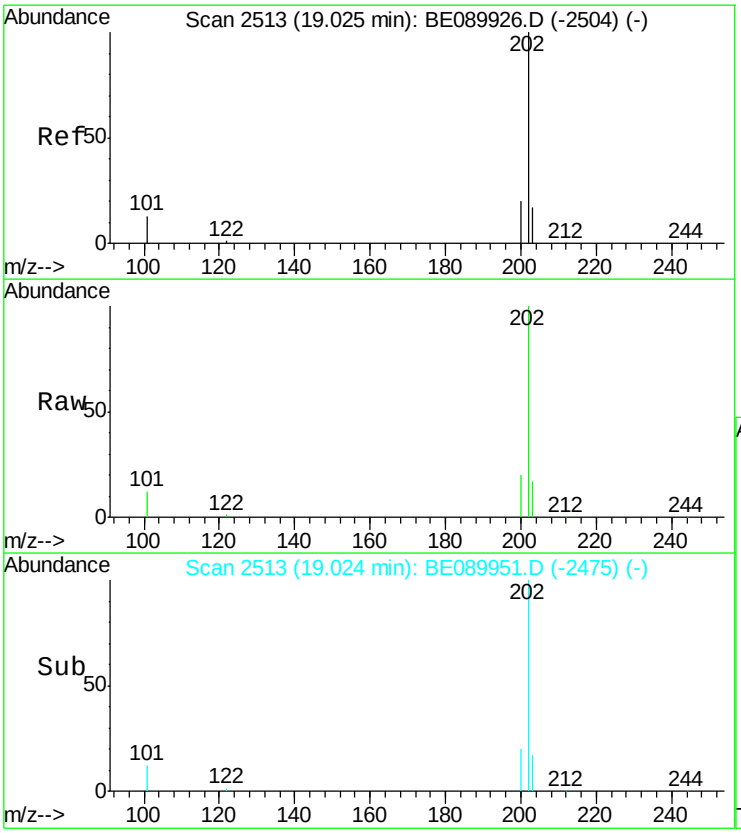
#23
Anthracene
Concen: 3.44 ng
RT: 17.12 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:178 Resp: 128833

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.5	12.3	18.5

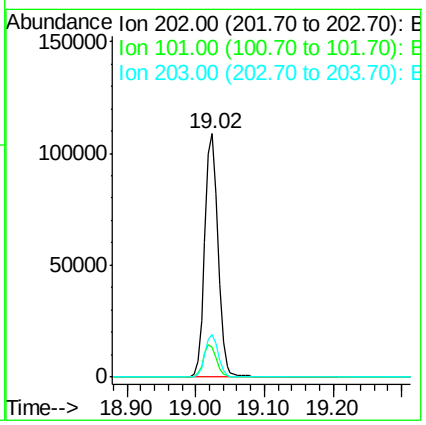


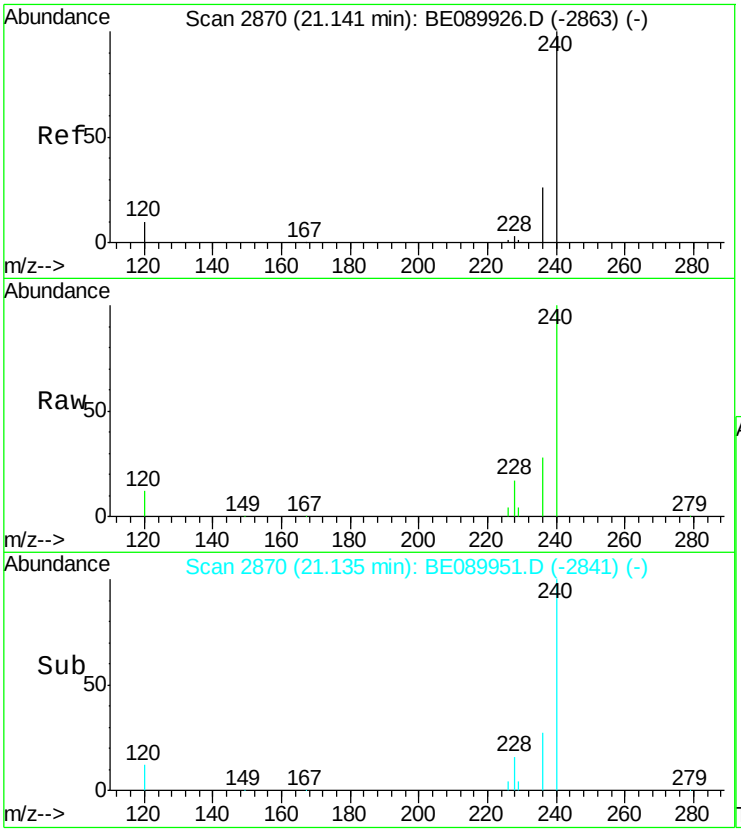


#24
Fluoranthene
Concen: 3.29 ng
RT: 19.02 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:202 Resp: 144341

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.6	16.0
203	17.3	13.8	20.8



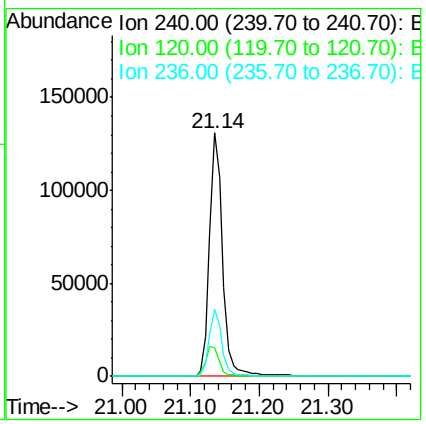


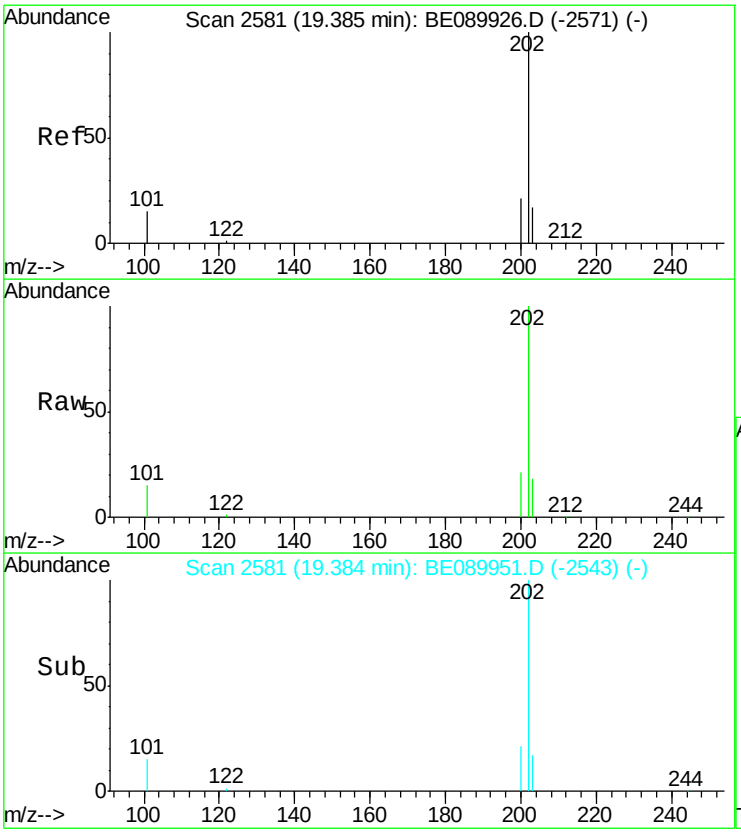
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.14 min Scan# 2870
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:240 Resp: 173698

Ion	Ratio	Lower	Upper
240	100		
120	11.7	7.9	11.9
236	27.5	21.2	31.8

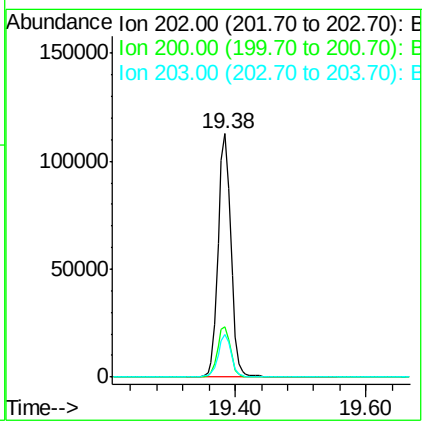


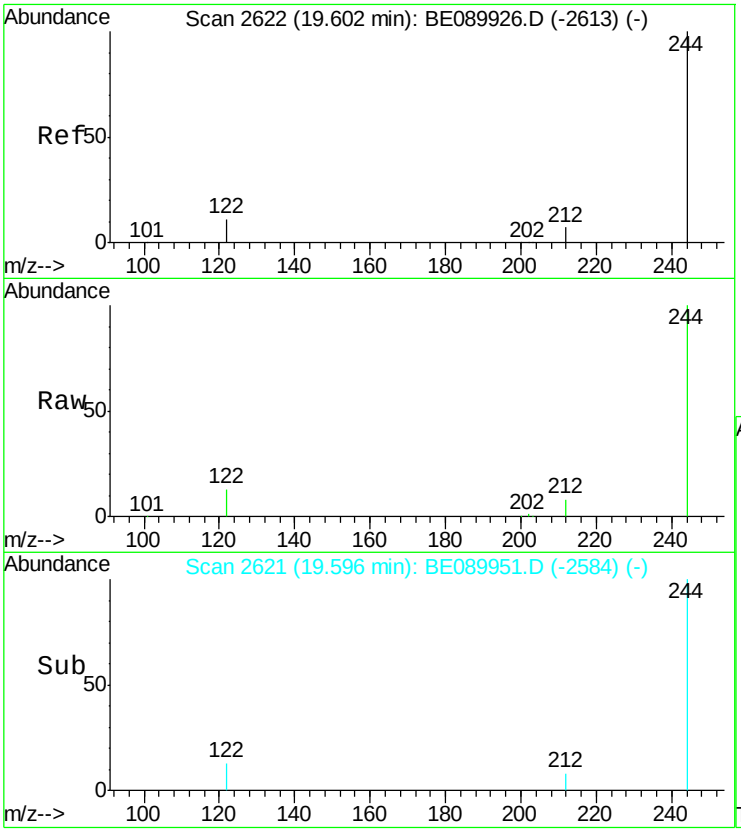


#26
Pyrene
Concen: 3.44 ng
RT: 19.38 min Scan# 2581
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:202 Resp: 151429

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.9	13.9	20.9



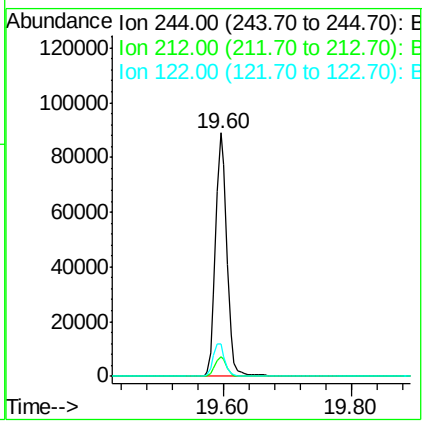


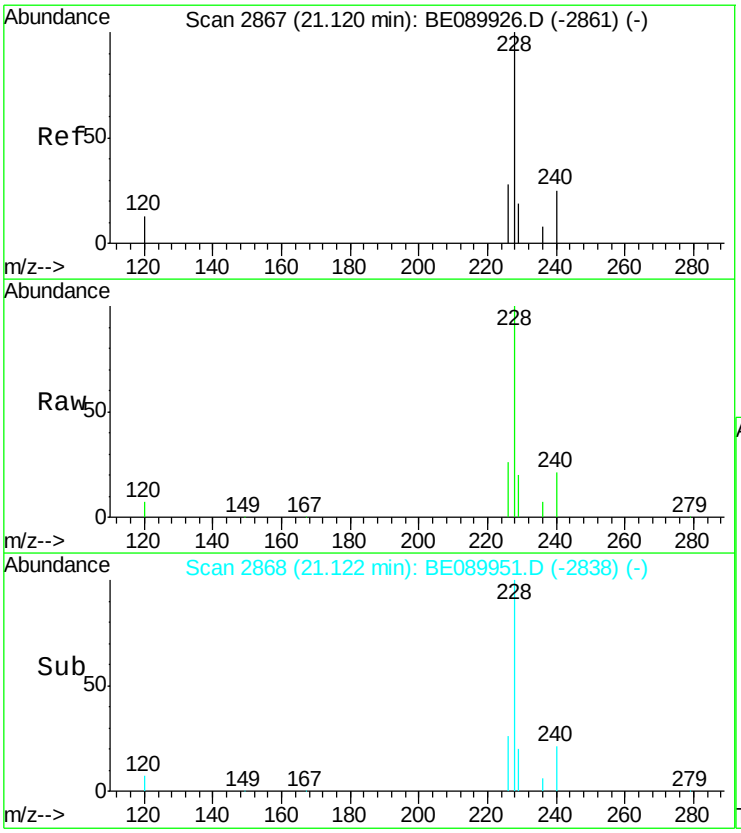
#27
Terphenyl-d14
Concen: 3.66 ng
RT: 19.60 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:244 Resp: 109862

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.1	9.1
122	13.1	8.7	13.1#

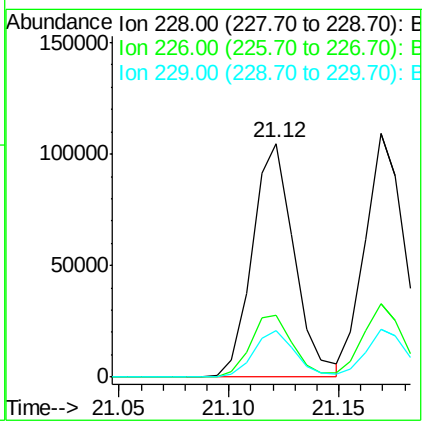


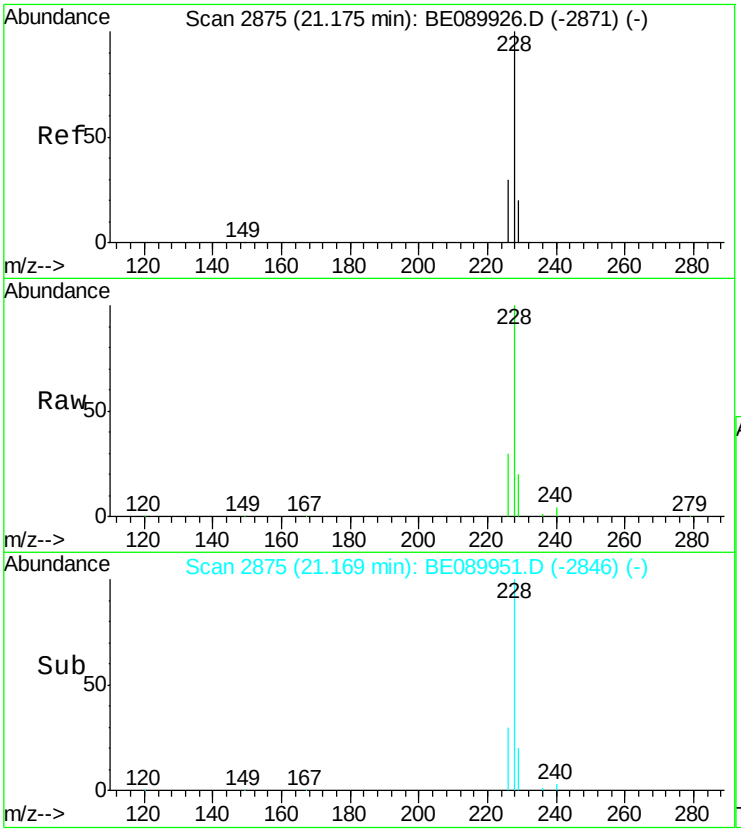


#28
Benzo(a)anthracene
Concen: 3.34 ng
RT: 21.12 min Scan# 2868
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:228 Resp: 138646

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.2	33.4
229	19.9	15.3	22.9



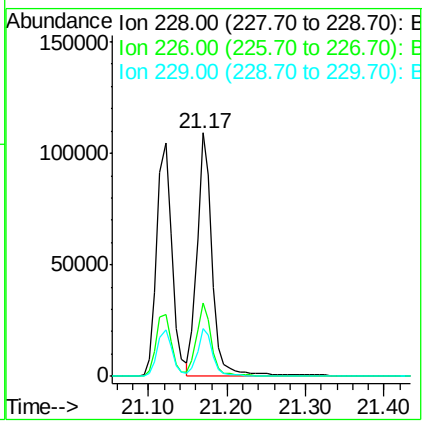


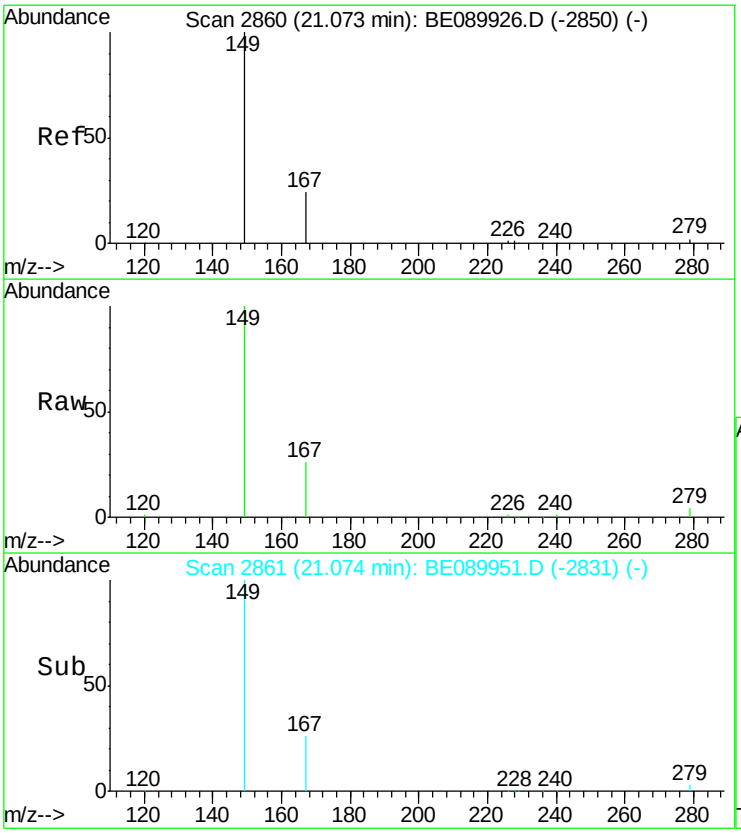
#29
Chrysene
Concen: 3.19 ng
RT: 21.17 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:228 Resp: 144618

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	19.6	15.8	23.8

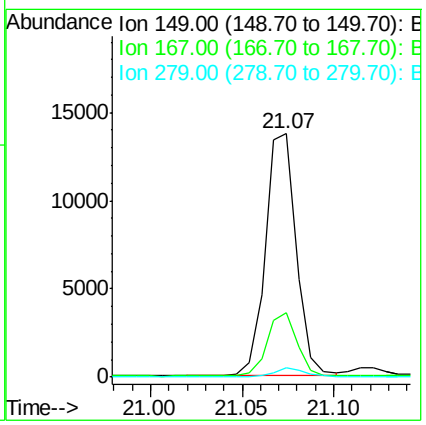


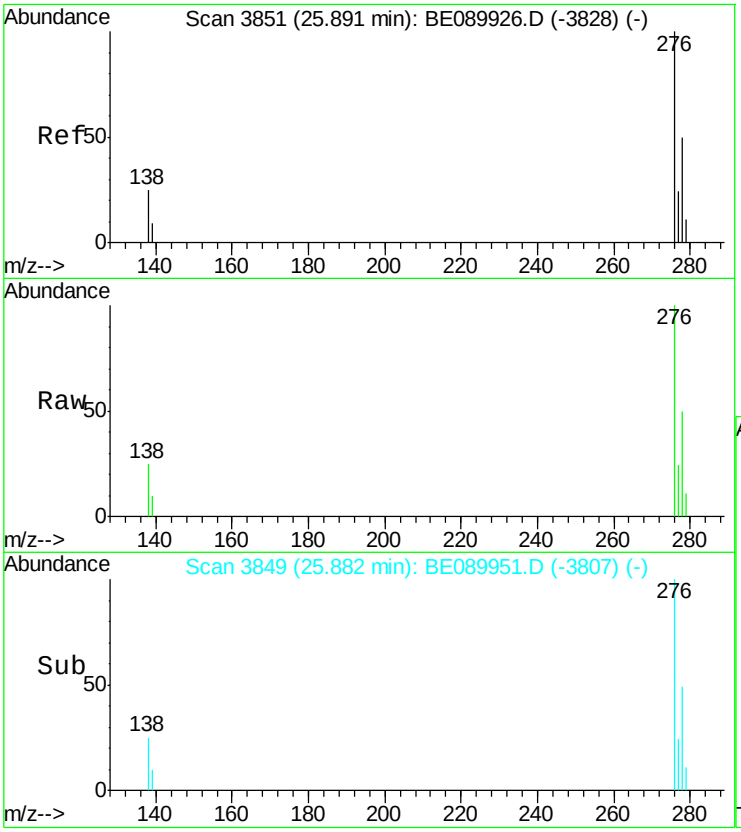


#30
Bis(2-ethylhexyl)phthalate
Concen: 4.50 ng
RT: 21.07 min Scan# 2861
Delta R.T. 0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:149 Resp: 15935

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.3	30.5
279	3.0	2.7	4.1



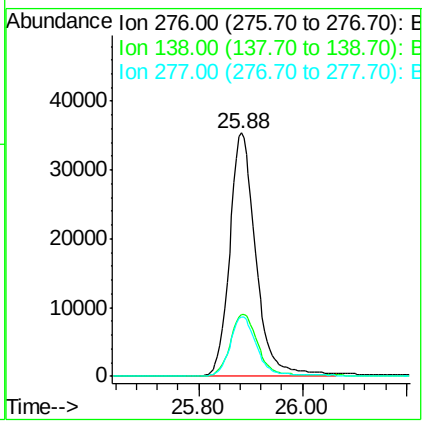


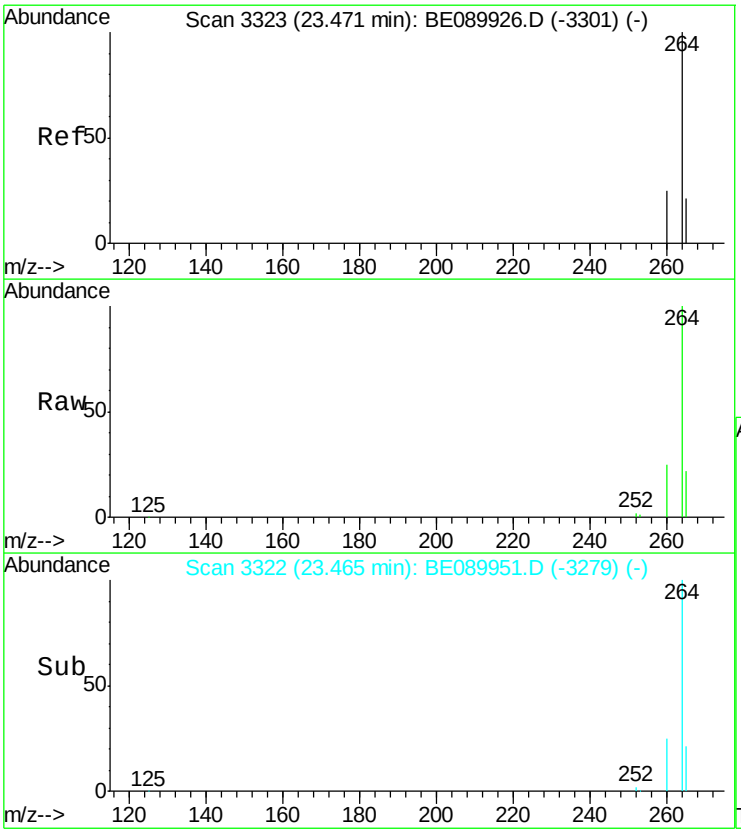
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.70 ng
RT: 25.88 min Scan# 3849
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:276 Resp: 123208

Ion	Ratio	Lower	Upper
276	100		
138	27.0	0.0	0.0#
277	24.8	0.0	0.0#

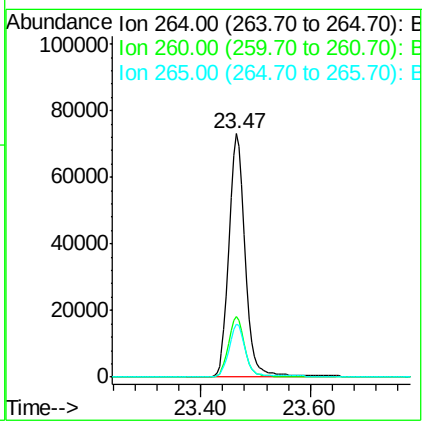


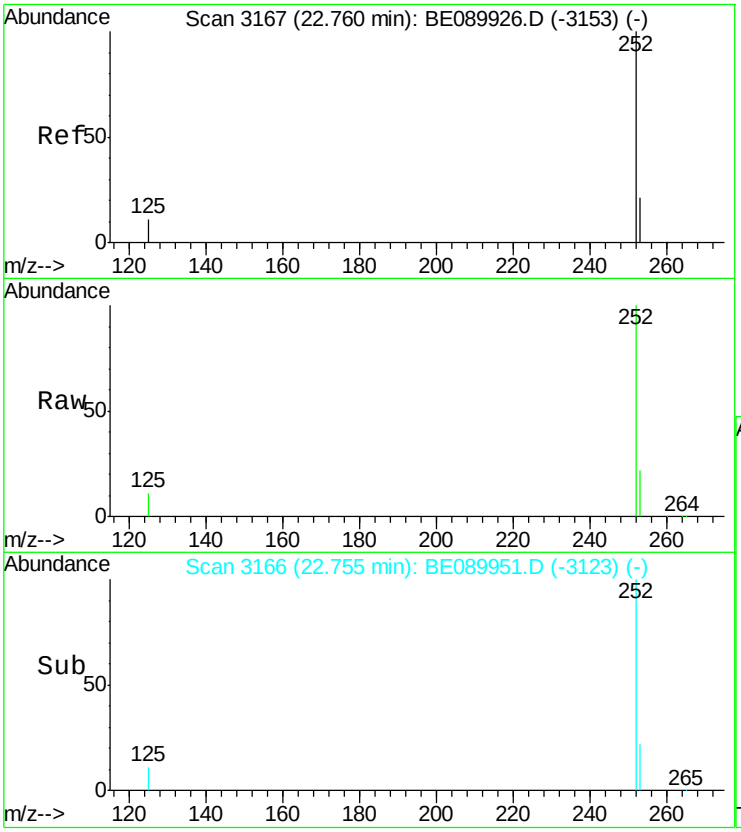


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.47 min Scan# 3322
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:264 Resp: 148407

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.6
265	21.7	17.3	25.9



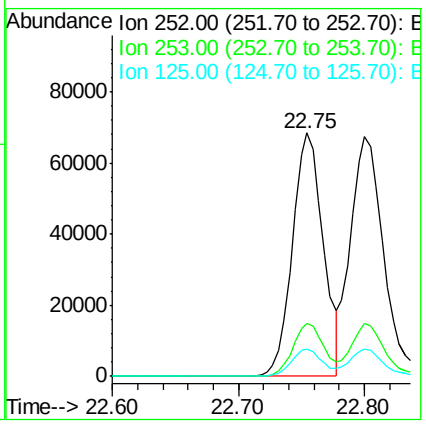


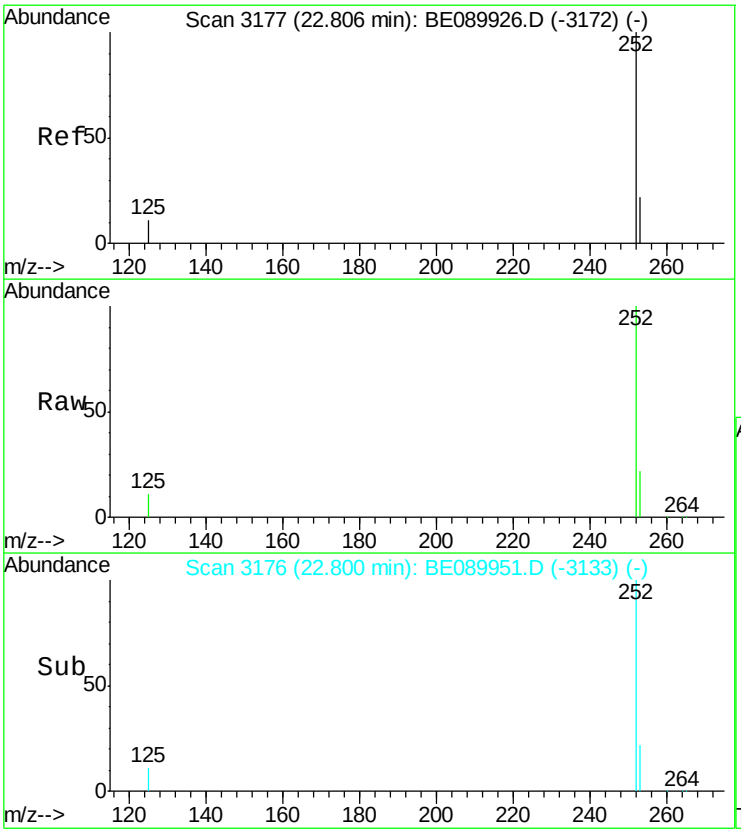
#33
Benzo(b)fluoranthene
Concen: 3.67 ng
RT: 22.75 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:252 Resp: 115248

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.2	9.3	13.9

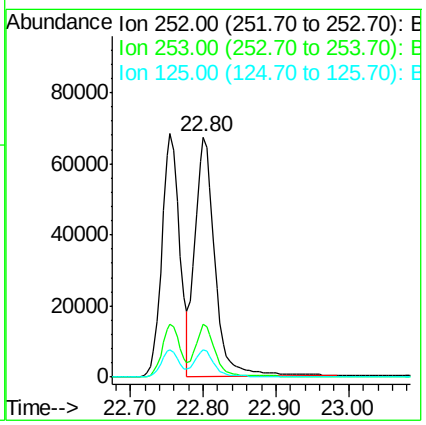


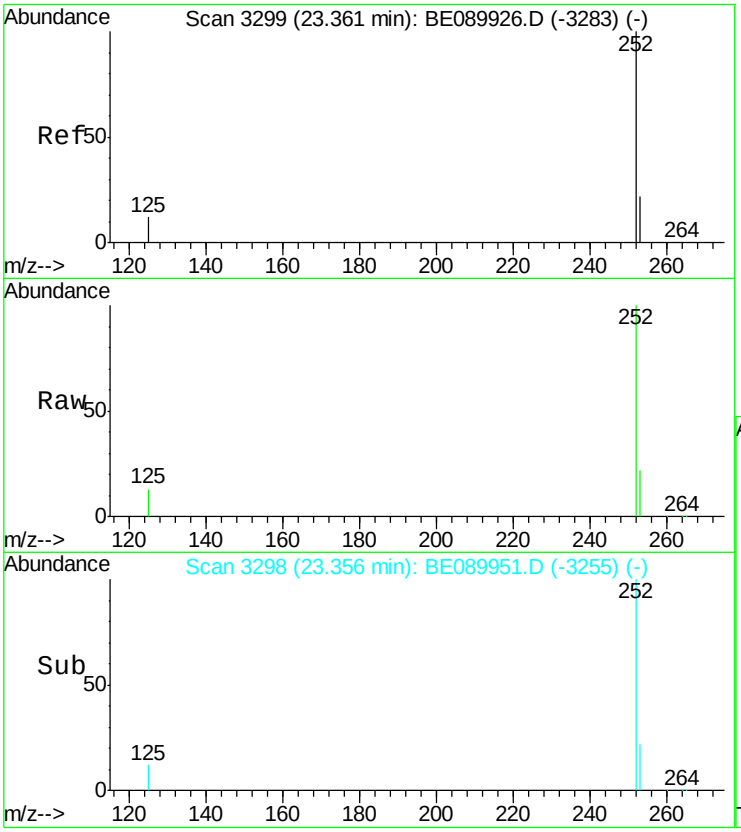


#34
Benzo(k)fluoranthene
Concen: 3.55 ng
RT: 22.80 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:252 Resp: 126376

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	11.2	9.2	13.8



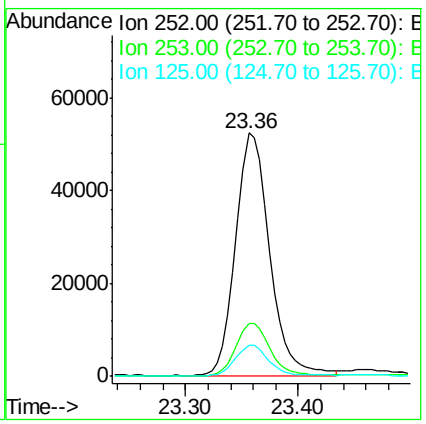


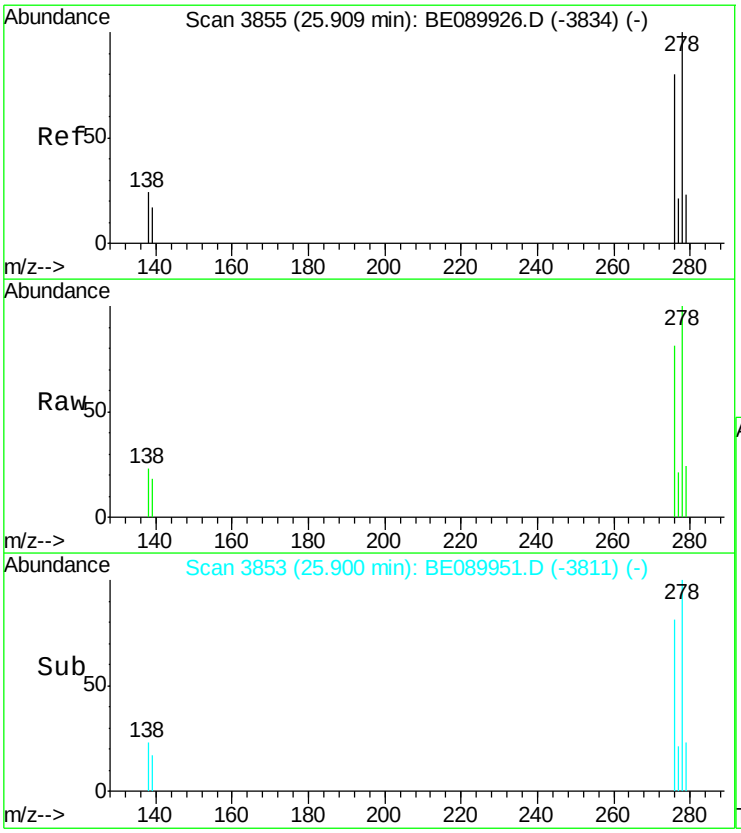
#35
Benzo(a)pyrene
Concen: 3.83 ng
RT: 23.36 min Scan# 3298
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:252 Resp: 106977

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.6	10.3	15.5

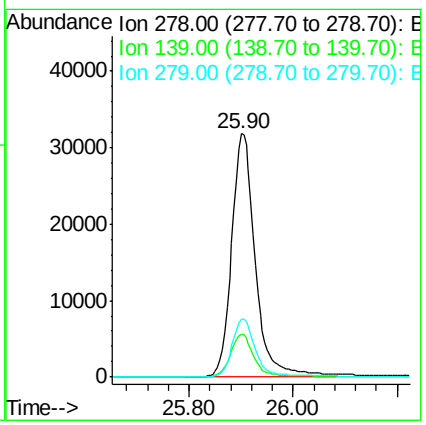


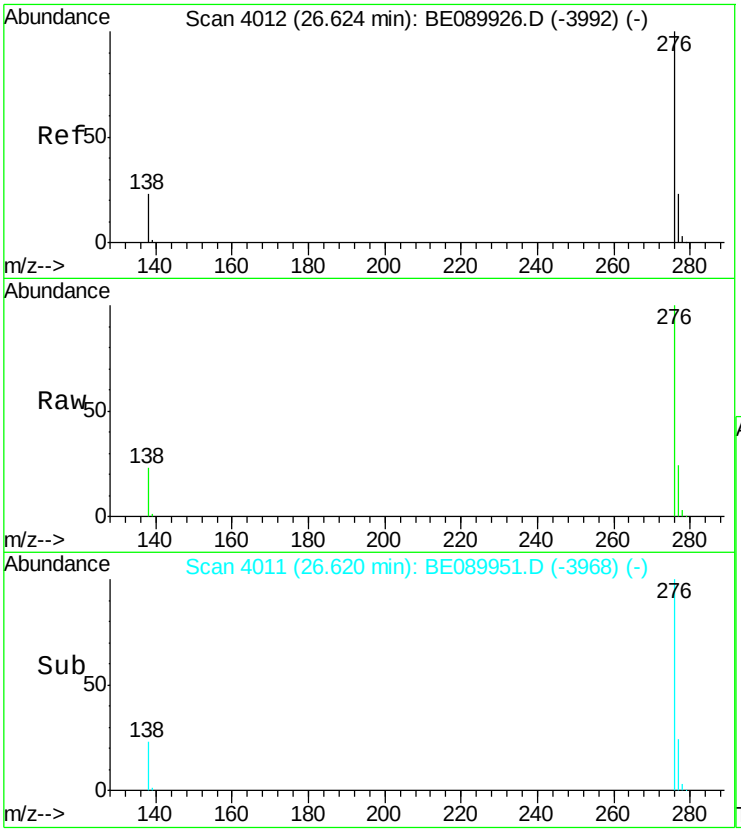


#36
Dibenzo(a,h)anthracene
Concen: 3.87 ng
RT: 25.90 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Tgt Ion:278 Resp: 100347

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.1	21.1
279	23.6	19.0	28.6





#37
Benzo(g,h,i)perylene
Concen: 3.73 ng
RT: 26.62 min Scan# 4011
Delta R.T. -0.00 min
Lab File: BE089951.D
Acq: 26 Jun 2015 20:10

Instrument :
BNA_E
ClientSampleId :
PB84222BS

Tgt Ion:276 Resp: 104084

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	23.3	18.8	28.2