Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
Data File : BE092551.D
Acq On : 17 Nov 2016 1:55
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Nov 17 05:10:47 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7165	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	34321	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	24565	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	55319	5.00	ng		0.00
24) Chrysene-d12	21.72	240	85566	5.00	ng		0.00
31) Perylene-d12	24.08	264	72921	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	583	0.48	ng		0.00
5) Phenol-d6	7.36	99	750	0.48	ng		0.00
8) Nitrobenzene-d5	9.34	82	806	0.44	ng		-0.02
13) 2,4,6-Tribromophenol	16.30	330	243	0.44	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	2401	0.40	ng		0.00
26) Terphenyl-d14	20.16	244	3703	0.38	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	487	0.47	ng		87
3) n-Nitrosodimethylamine	3.77	42	386	0.49	ng	#	96
6) bis(2-Chloroethyl)ether	7.59	93	692	0.35	ng	#	29
9) Naphthalene	10.97	128	2846	0.40	ng	#	94
10) Hexachlorobutadiene	11.26	225	462	0.43	ng		98
11) 2-Methylnaphthalene	12.62	142	1834	0.41	ng		96
15) Acenaphthylene	14.51	152	13629	0.40	ng		100
16) Acenaphthene	14.87	154	2245	0.40	ng		96
17) Fluorene	15.85	166	2828	0.41	ng		99
19) Hexachlorobenzene	16.86	284	868	0.40	ng	#	73
20) Pentachlorophenol	17.23	266	207	0.59	ng		98
21) Phenanthrene	17.58	178	5027	0.41	ng	#	78
22) Anthracene	17.69	178	4868	0.42	ng		99
23) Fluoranthene	19.59	202	24497	0.42	ng		99
25) Pyrene	19.95	202	26355	0.39	ng		100
27) Benzo(a)anthracene	21.70	228	30026m	0.46	ng		
28) Chrysene	21.75	228	30064m	0.41	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	2687	0.59	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.57	276	31278	0.44	ng		98
32) Benzo(b)fluoranthene	23.35	252	6704	0.38	ng		100
33) Benzo(k)fluoranthene	23.39	252	7636	0.41	ng		96
34) Benzo(a)pyrene	23.97	252	6517	0.40	ng		96
35) Dibenzo(a,h)anthracene	26.58	278	6401	0.40	ng		97
36) Benzo(g,h,i)perylene	27.33	276	27054	0.39	ng		97

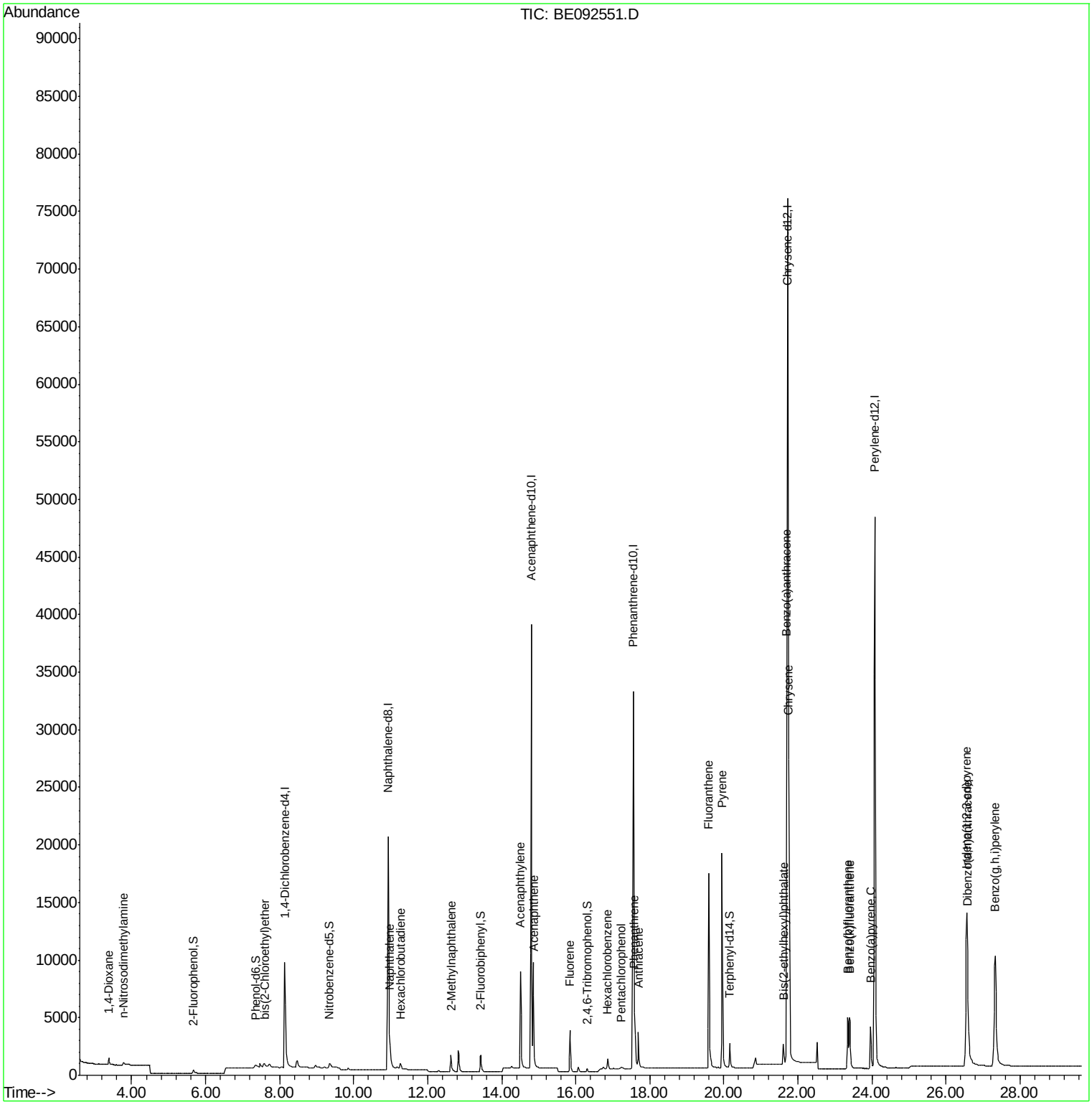
(#) = qualifier out of range (m) = manual integration (+) = signals summed

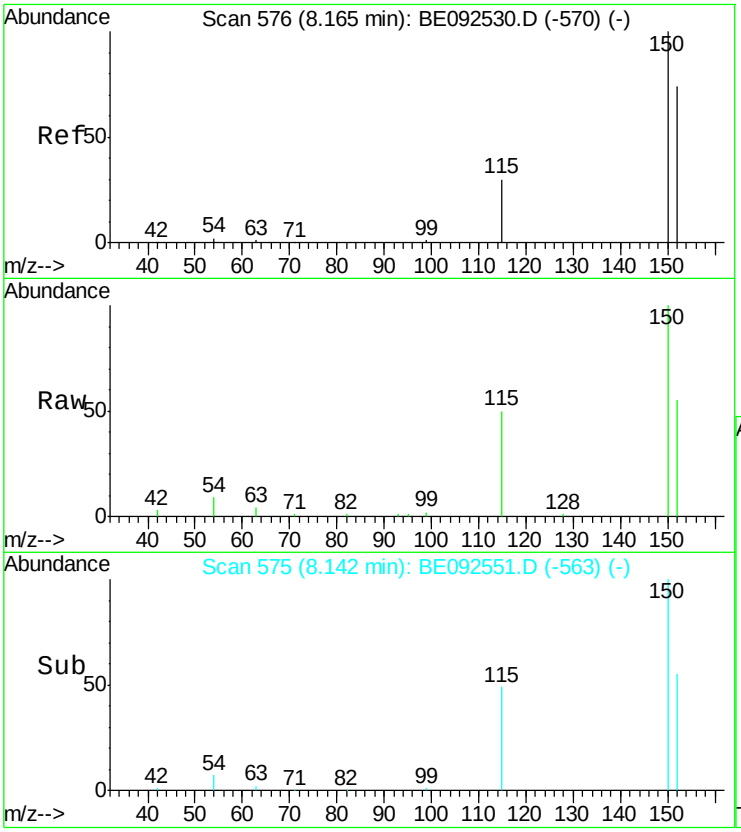
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
Data File : BE092551.D
Acq On : 17 Nov 2016 1:55
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 17 05:10:47 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration



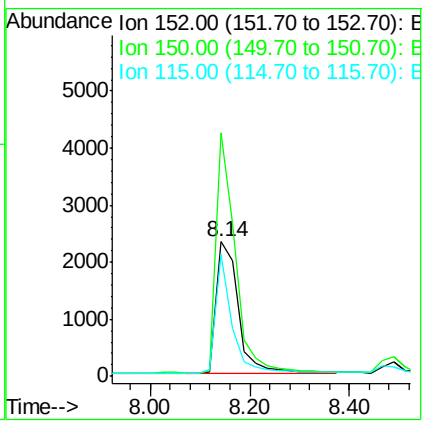


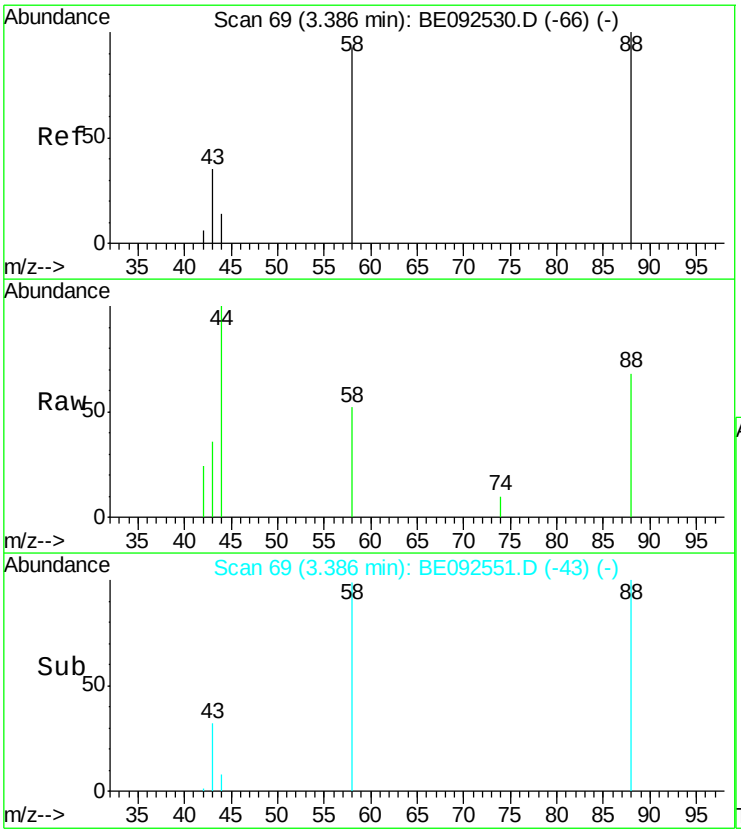
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7165

Ion	Ratio	Lower	Upper
152	100		
150	181.4	106.0	159.0#
115	90.6	31.2	46.8#

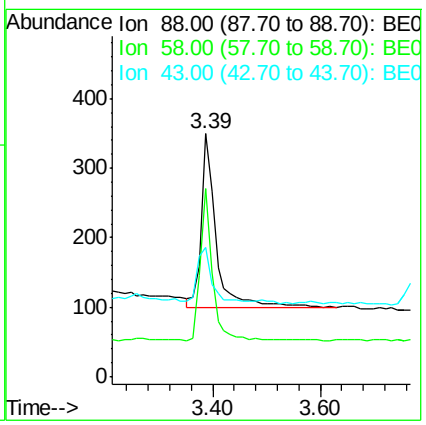


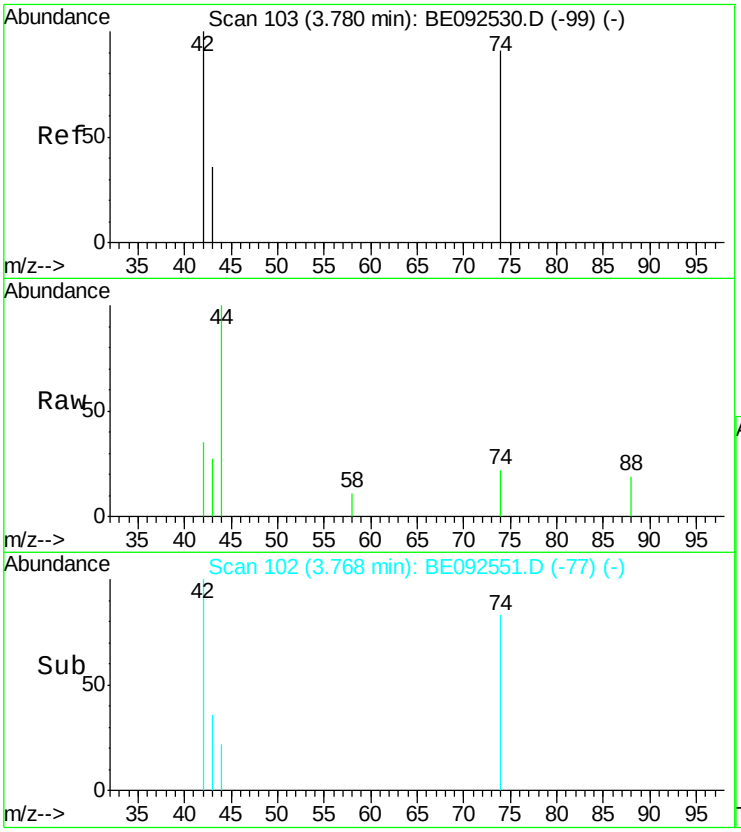


#2
1,4-Dioxane
Concen: 0.47 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion: 88 Resp: 487

Ion	Ratio	Lower	Upper
88	100		
58	67.8	63.6	95.4
43	28.5	28.0	42.0



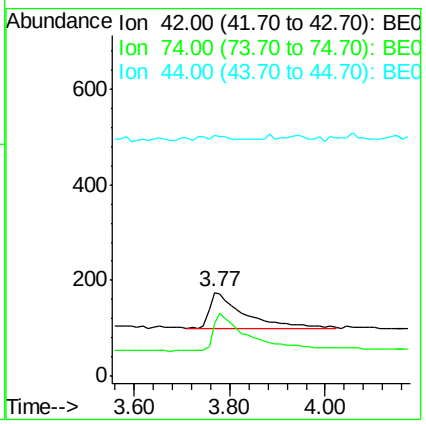


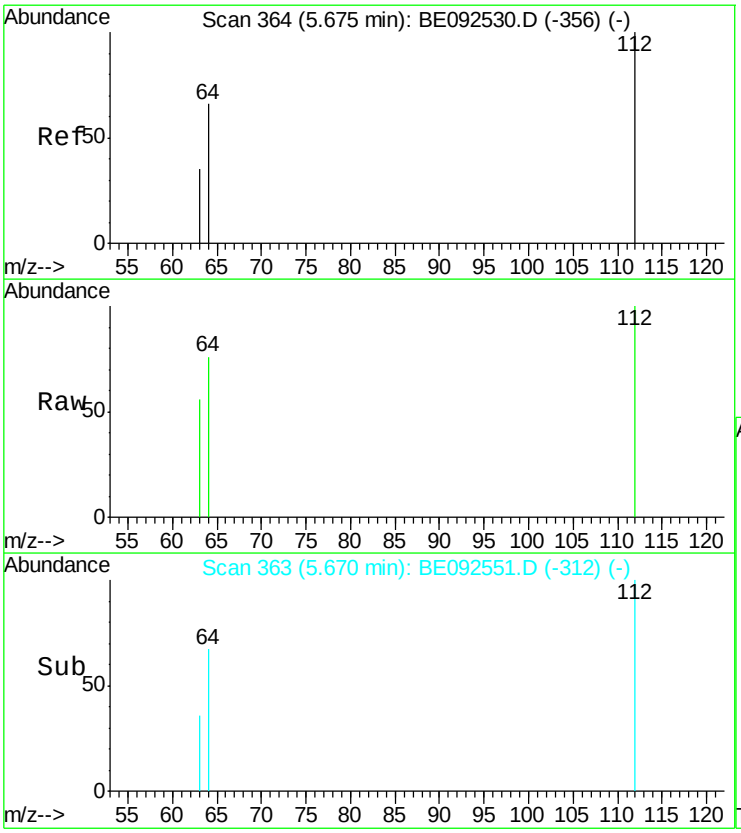
#3
n-Nitrosodimethylamine
Concen: 0.49 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 386

Ion	Ratio	Lower	Upper
42	100		
74	104.1	86.0	129.0
44	13.7	5.1	7.7#

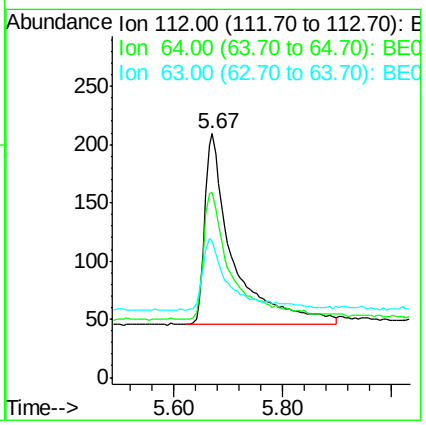


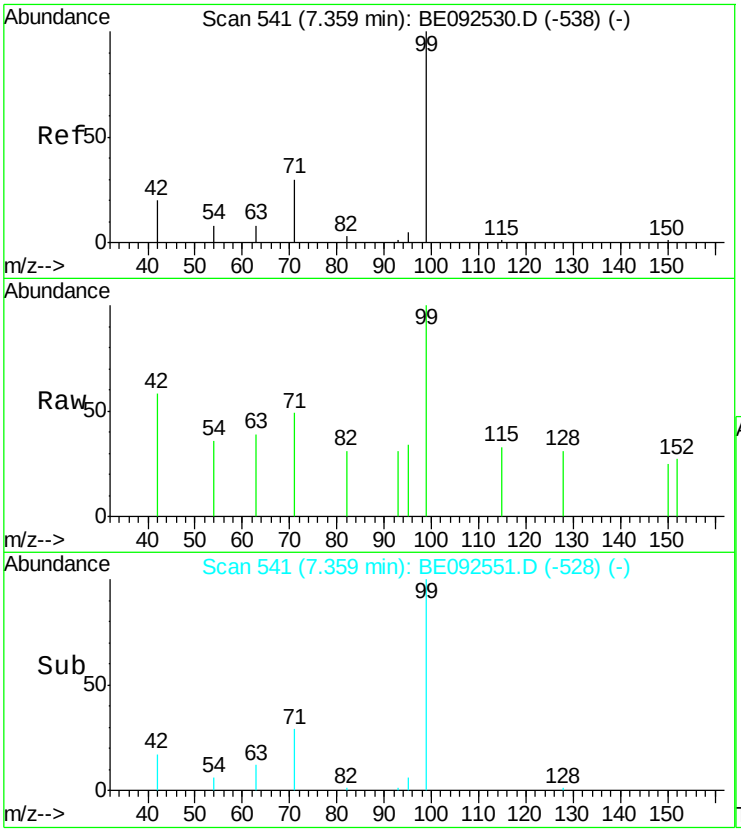


#4
2-Fluorophenol
Concen: 0.48 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:112 Resp: 583

Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.5	80.3
63	31.7	27.9	41.9



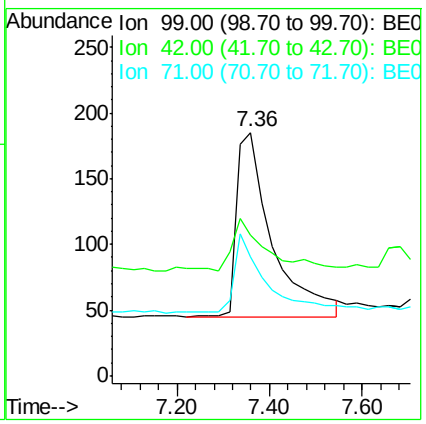


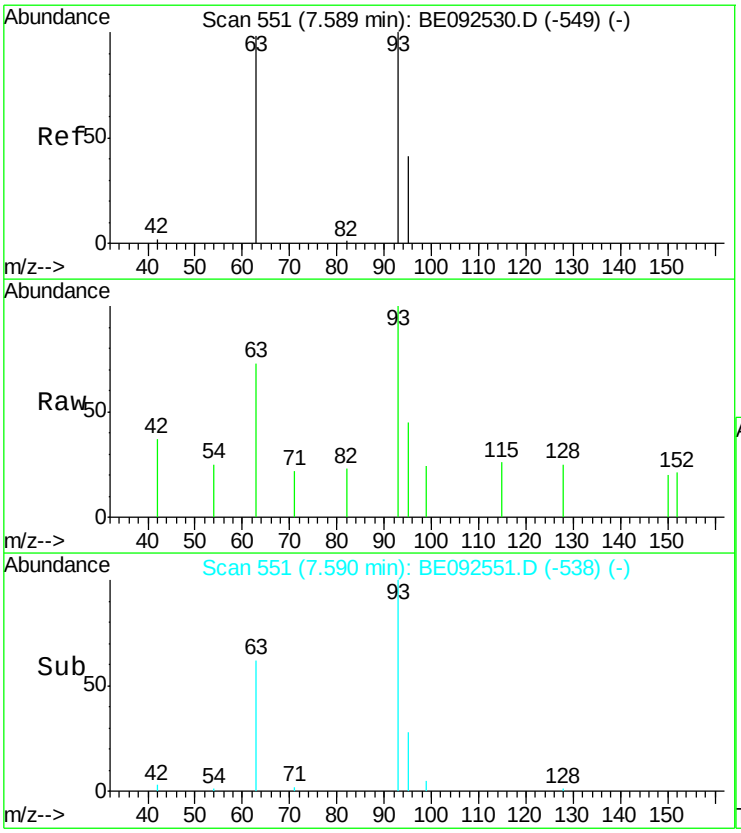
#5
Phenol-d6
Concen: 0.48 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 750

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

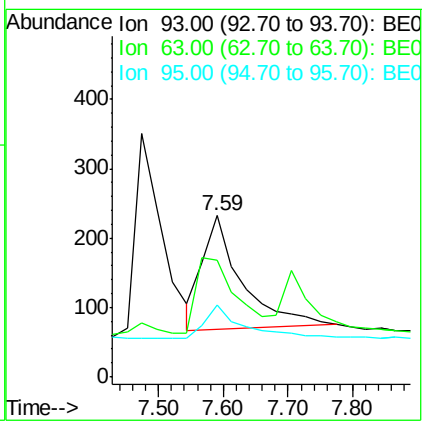


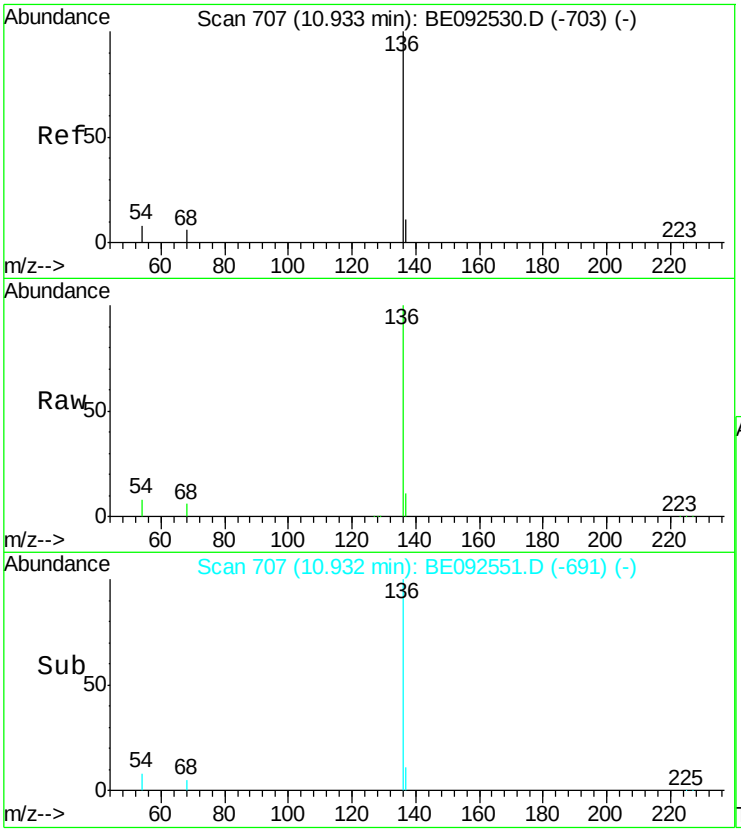


#6
bis(2-Chloroethyl)ether
Concen: 0.35 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion: 93 Resp: 692

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	29.8	24.0	36.0



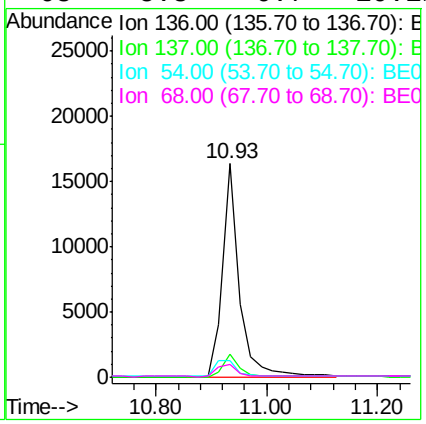


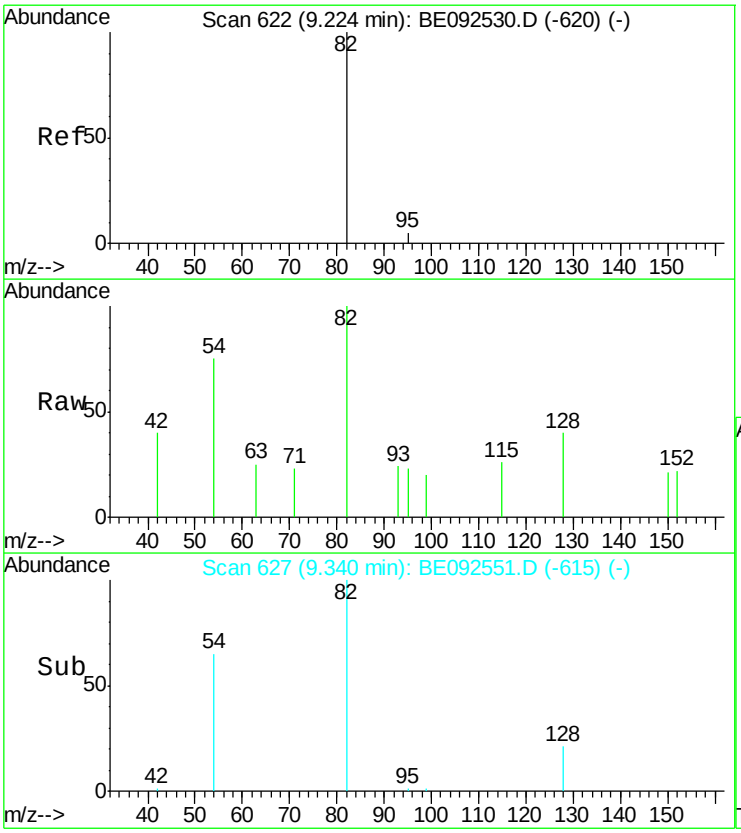
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 34321

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	7.9	9.6	14.4#
68	5.8	6.7	10.1#

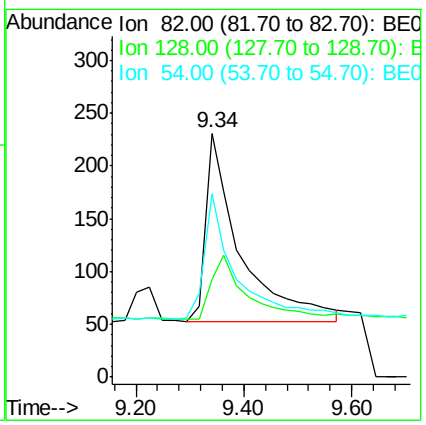


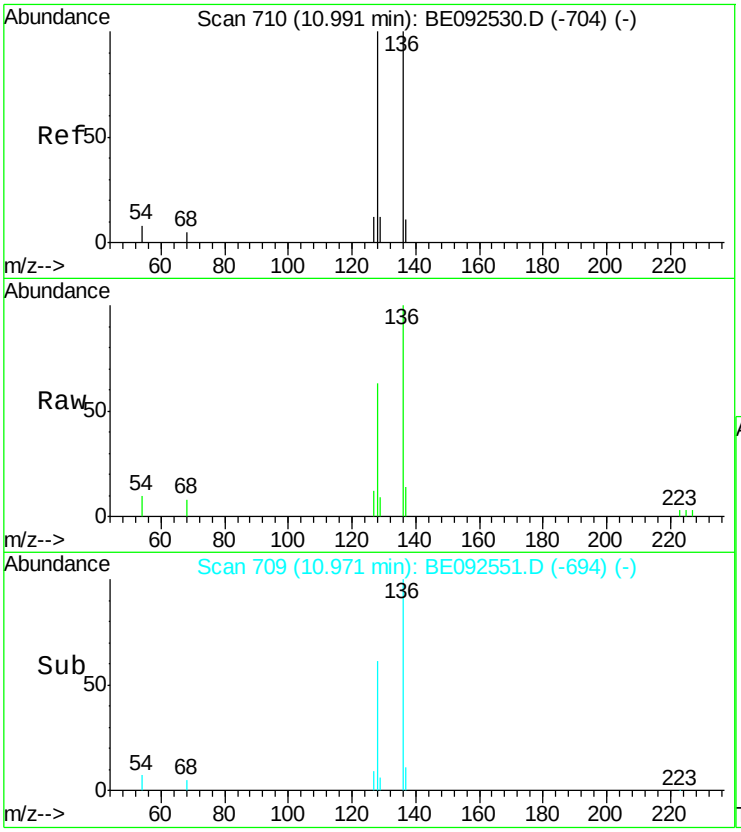


#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion: 82 Resp: 806

Ion	Ratio	Lower	Upper
82	100		
128	40.3	39.0	58.4
54	75.3	44.8	67.2#



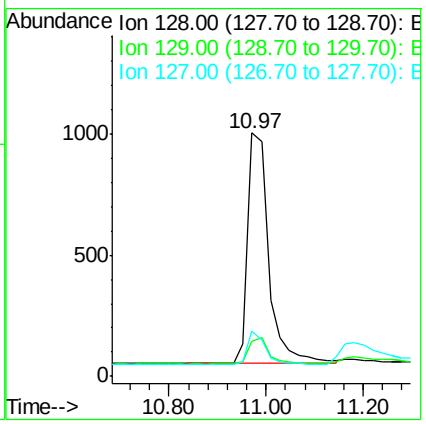


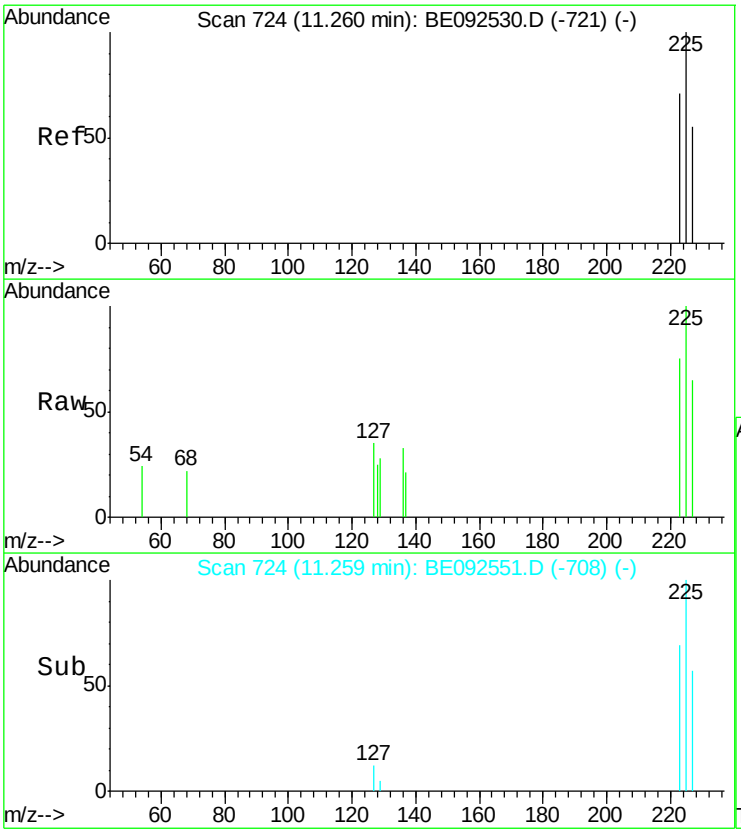
#9
Naphthalene
Concen: 0.40 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 2846

Ion	Ratio	Lower	Upper
128	100		
129	14.6	11.2	16.8
127	18.3	11.6	17.4#

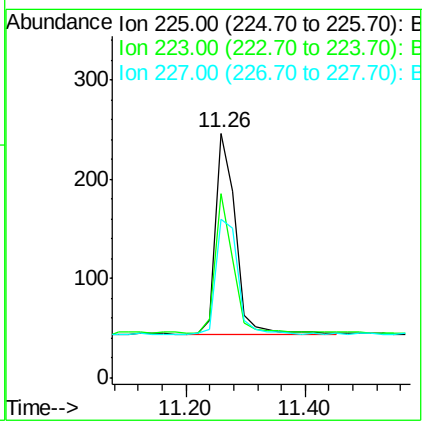


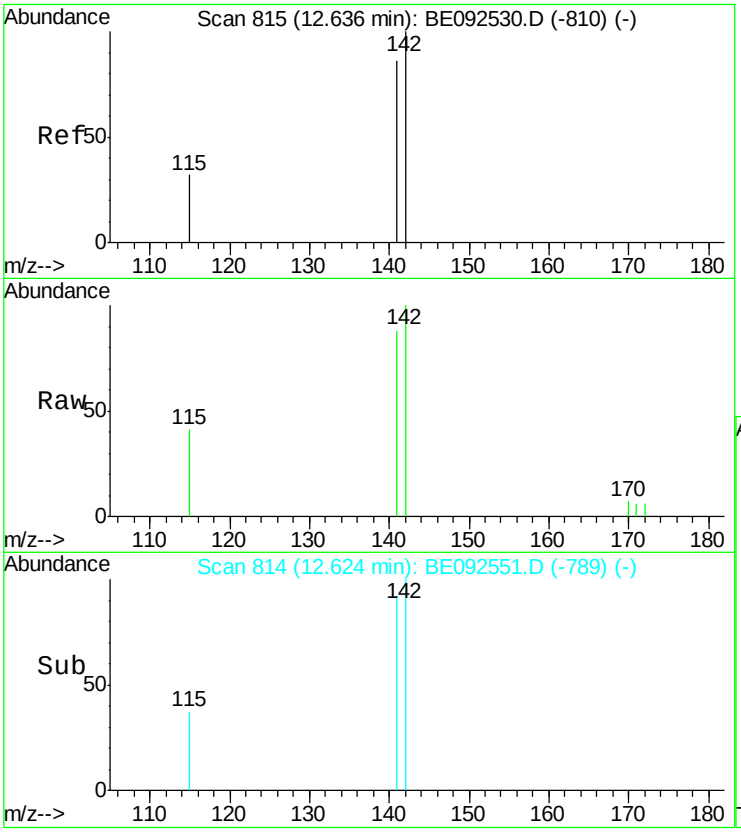


#10
Hexachlorobutadiene
Concen: 0.43 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	62.6	51.4	77.0



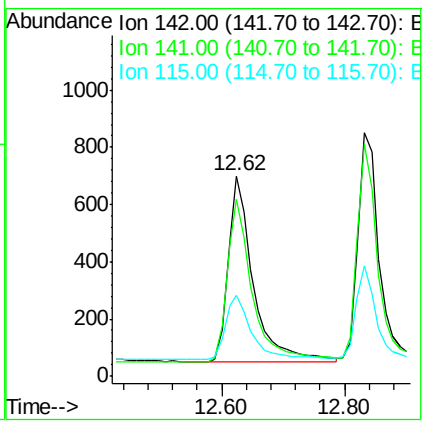


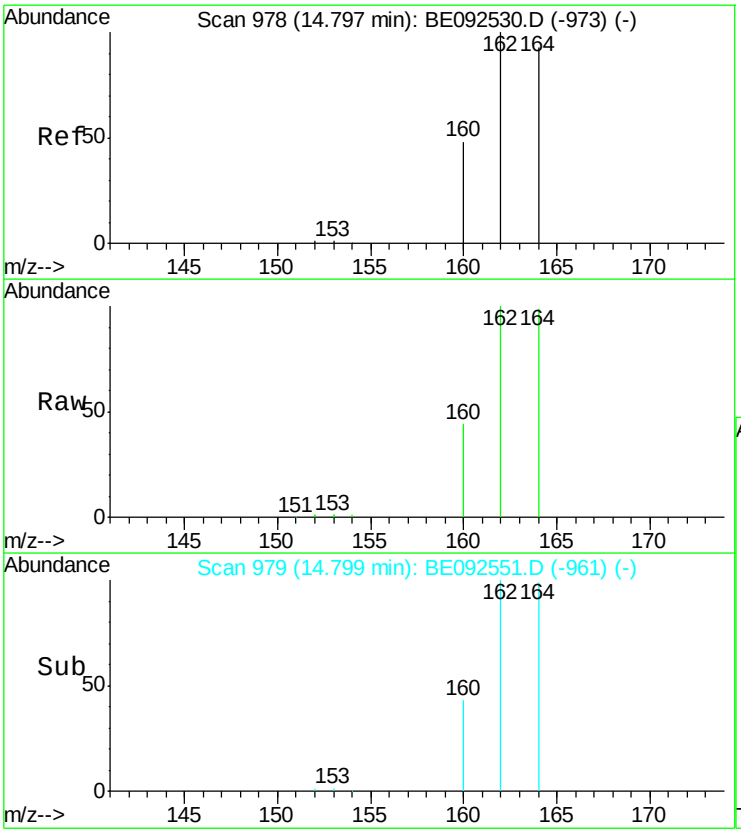
#11
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:142 Resp: 1834

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.7	110.5
115	40.7	34.0	51.0

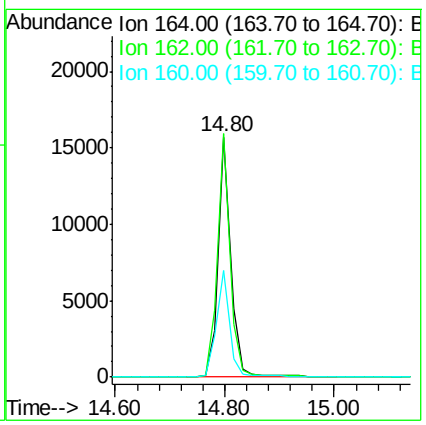


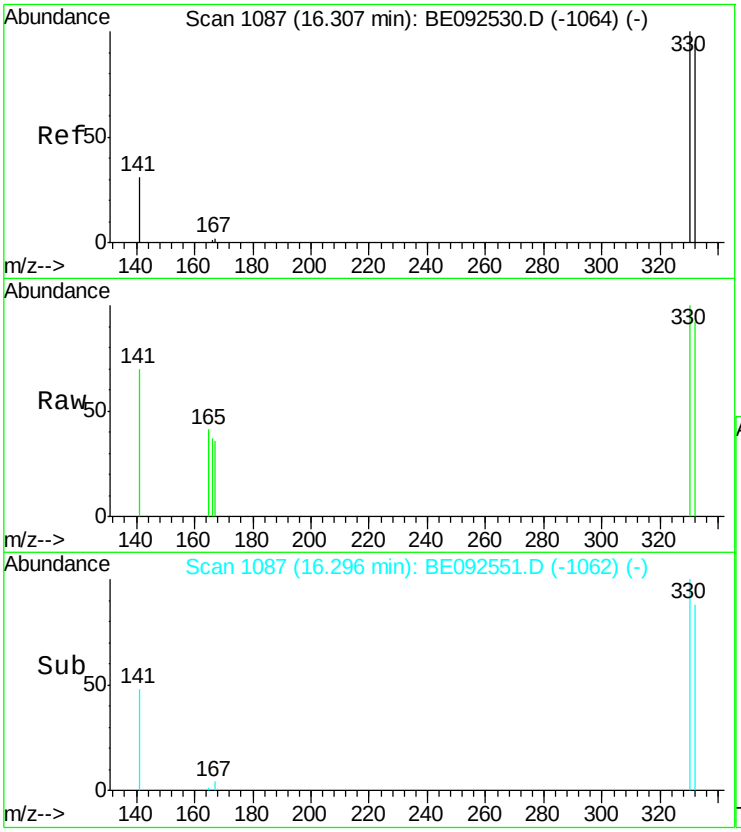


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:164 Resp: 24565

Ion	Ratio	Lower	Upper
164	100		
162	101.3	71.4	107.0
160	44.2	27.4	41.2#



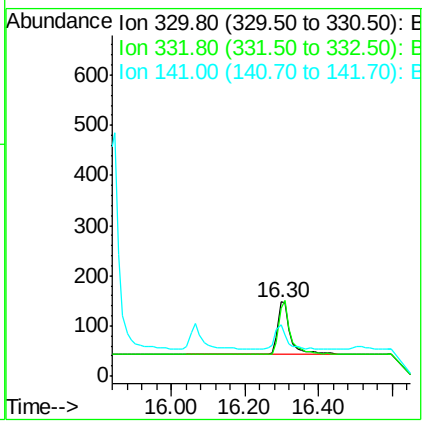


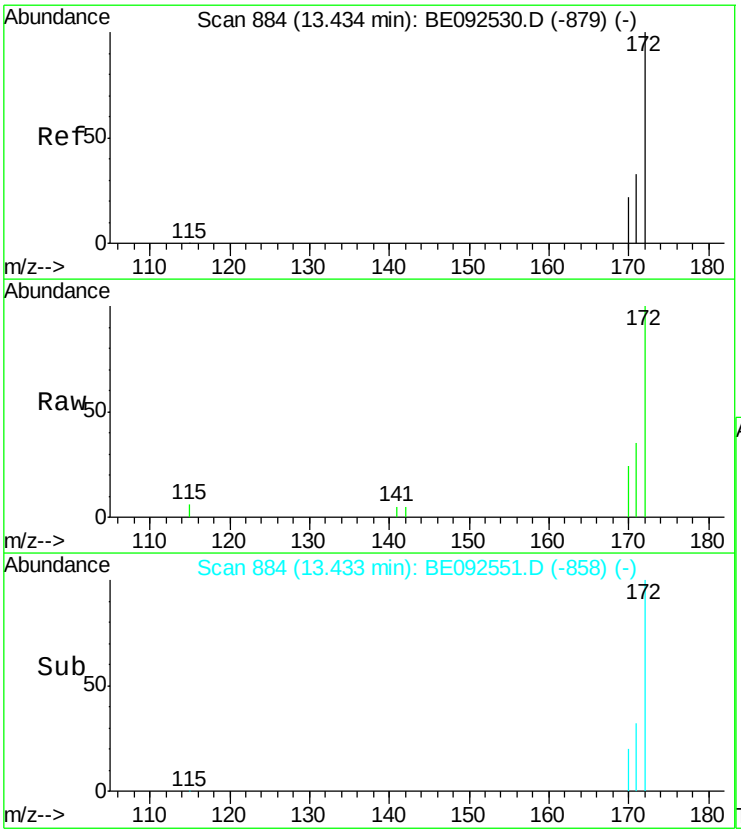
#13
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:330 Resp: 243

Ion	Ratio	Lower	Upper
330	100		
332	100.8	75.4	113.0
141	47.3	31.0	46.6#

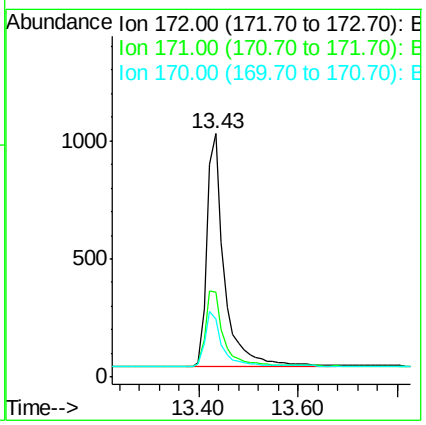


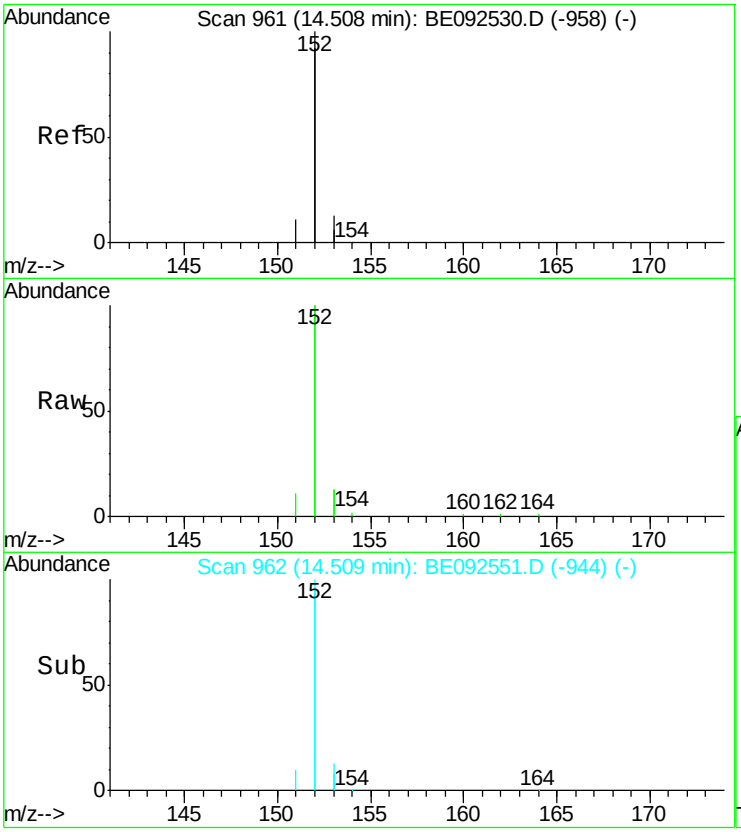


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:172 Resp: 2401

Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.1	45.1
170	23.9	21.8	32.6



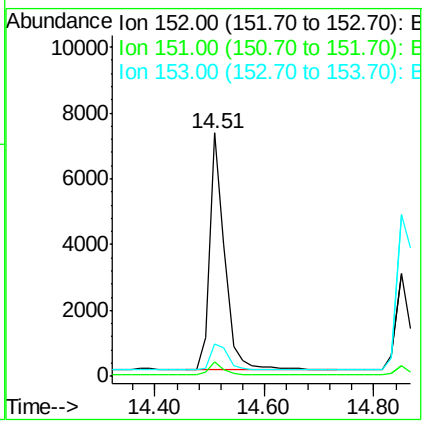


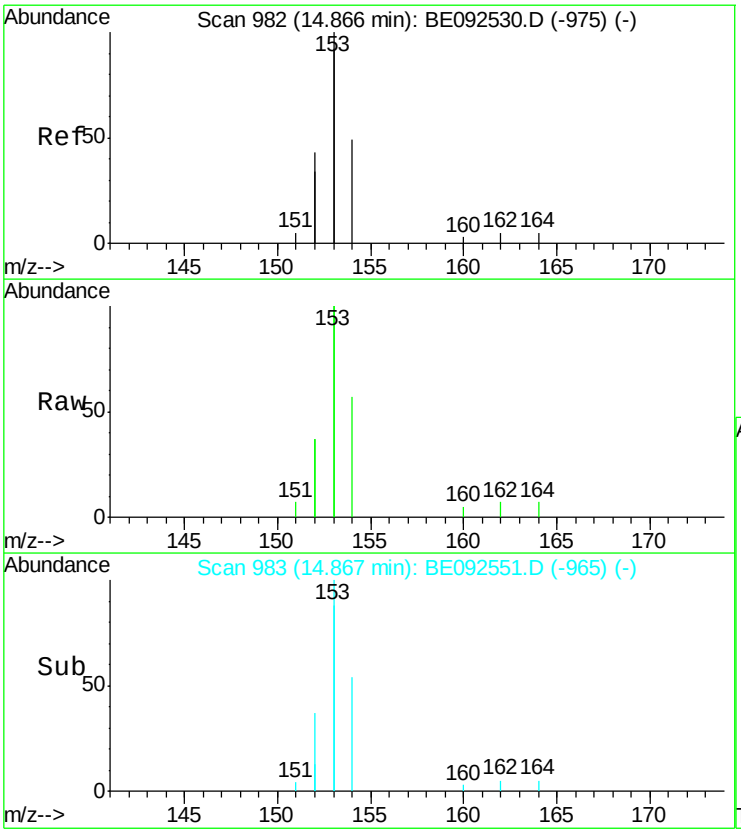
#15
Acenaphthylene
Concen: 0.40 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 13629

Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	13.0	10.4	15.6

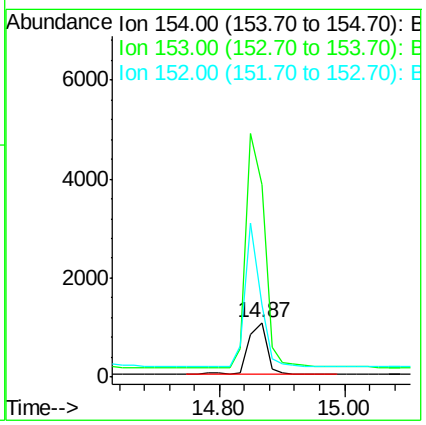


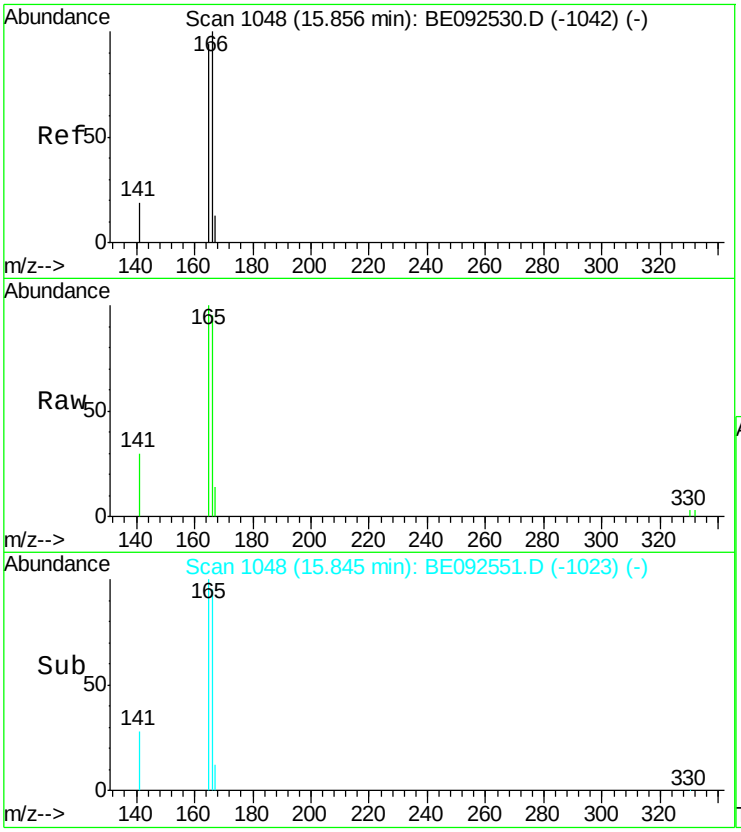


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:154 Resp: 2245

Ion	Ratio	Lower	Upper
154	100		
153	433.7	350.8	526.2
152	225.4	171.1	256.7



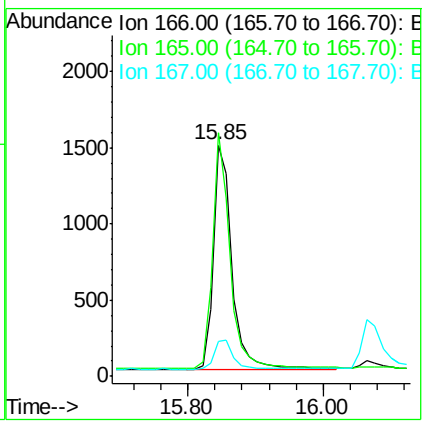


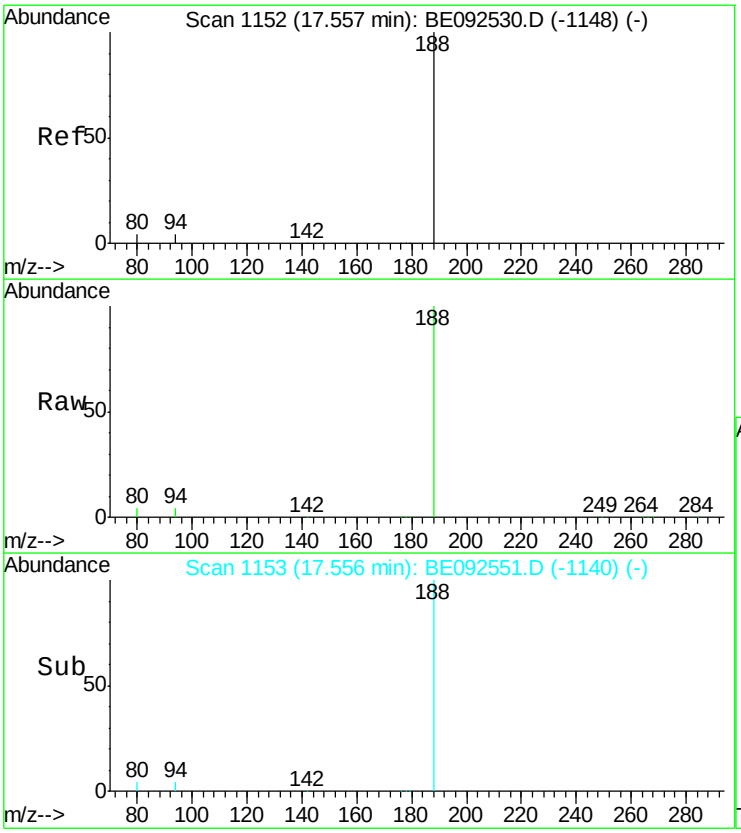
#17
Fluorene
Concen: 0.41 ng
RT: 15.85 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:166 Resp: 2828

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.5	11.0	16.4

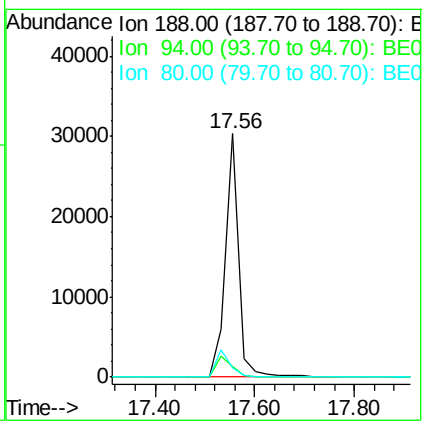


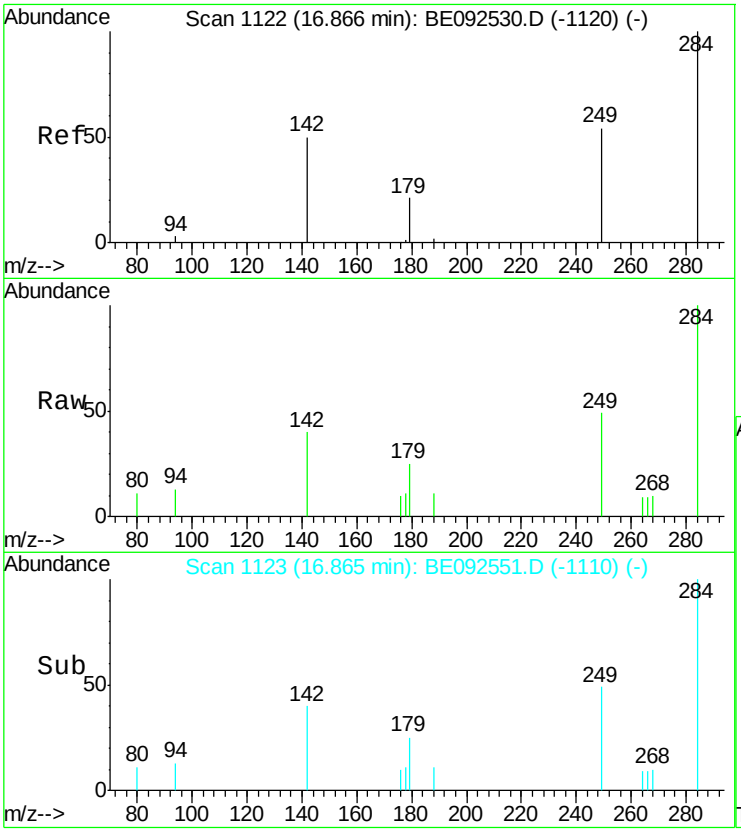


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:188 Resp: 55319

Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.2	4.8
80	3.8	2.6	3.8



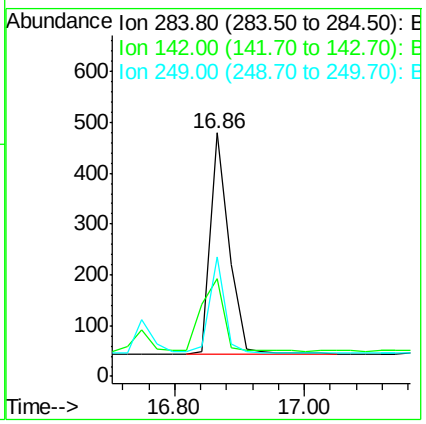


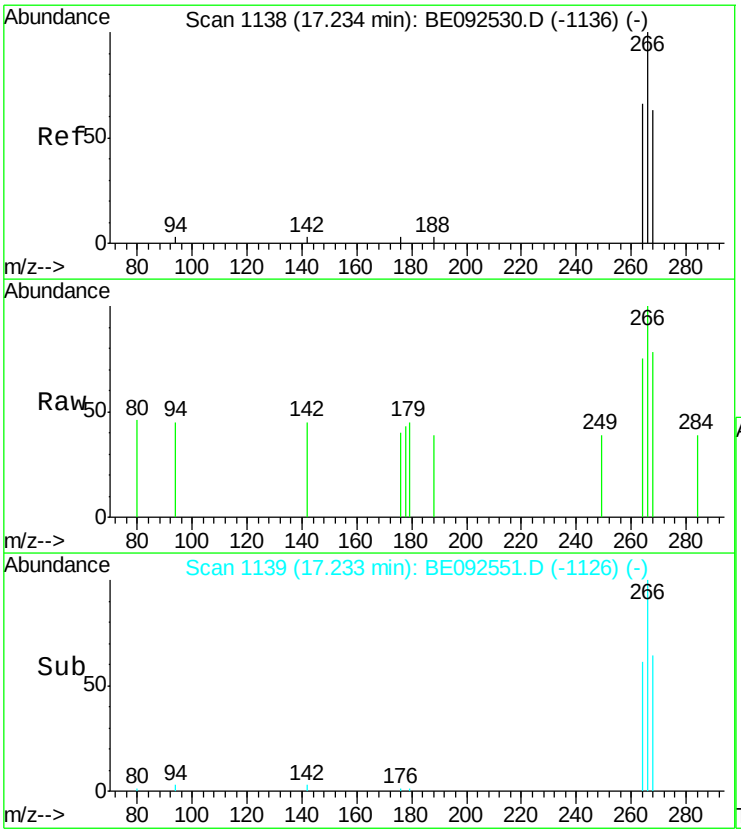
#19
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 868

Ion	Ratio	Lower	Upper
284	100		
142	55.3	29.1	43.7#
249	47.5	27.9	41.9#

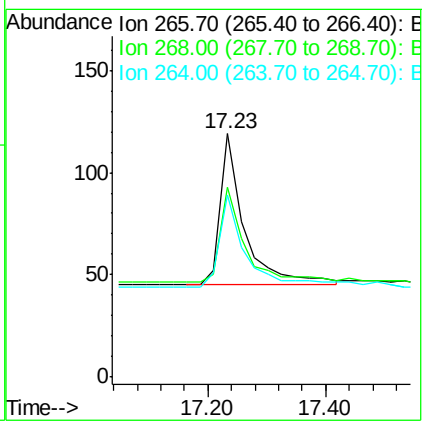


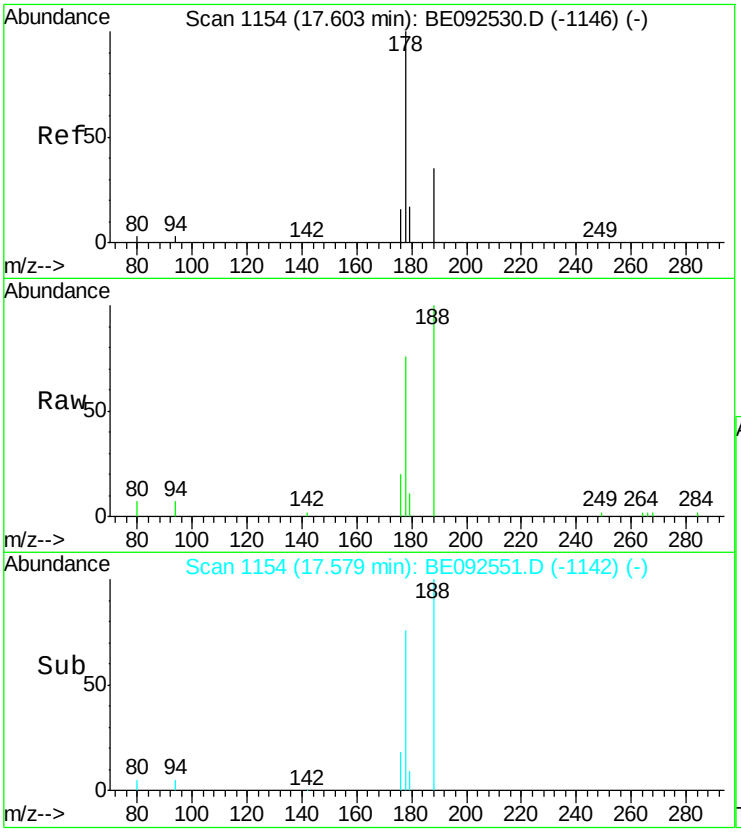


#20
Pentachlorophenol
Concen: 0.59 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:266 Resp: 207

Ion	Ratio	Lower	Upper
266	100		
268	78.2	62.5	93.7
264	74.8	57.2	85.8



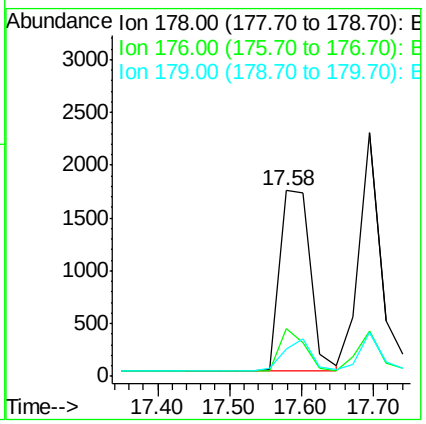


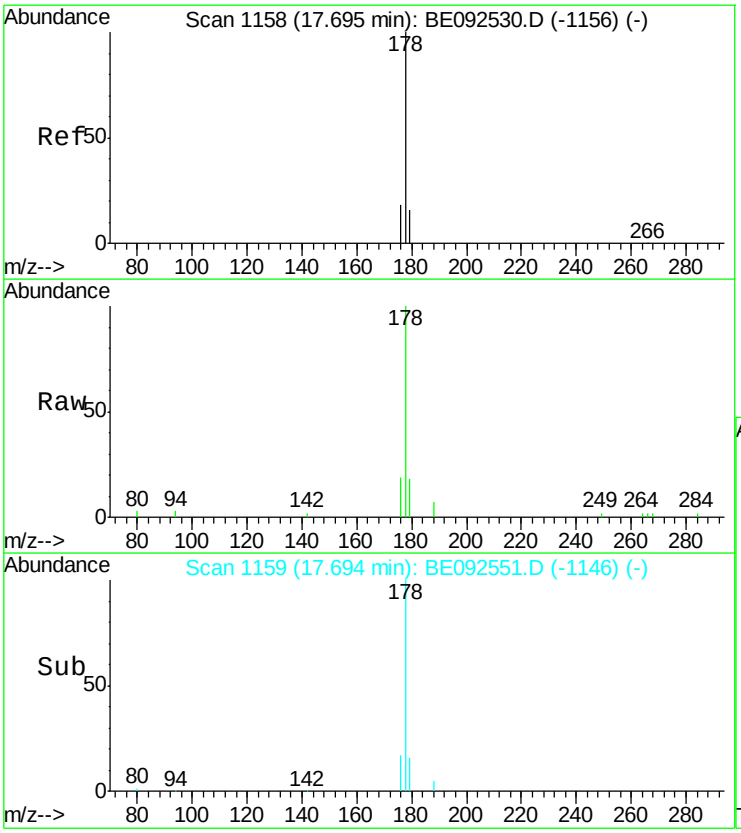
#21
Phenanthrene
Concen: 0.41 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 5027

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	0.0	16.0	24.0#

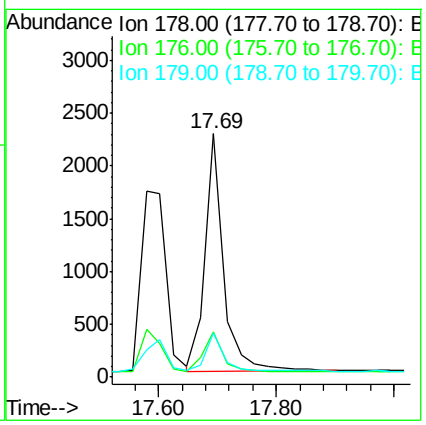


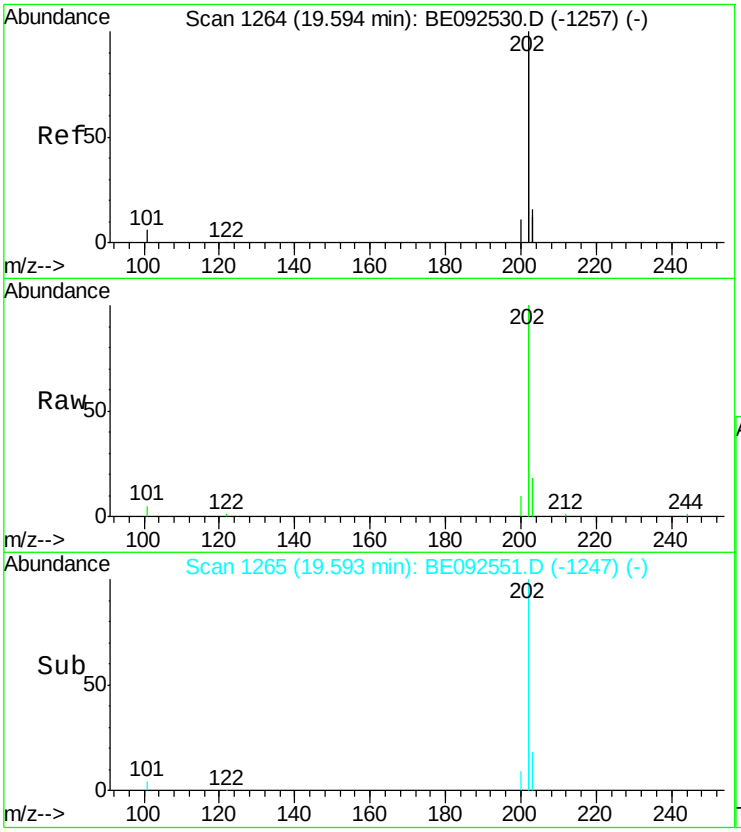


#22
Anthracene
Concen: 0.42 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:178 Resp: 4868

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.1	12.2	18.2



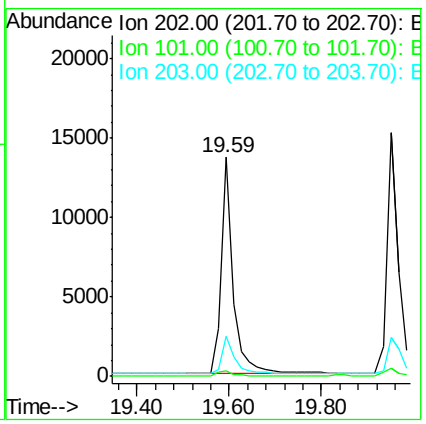


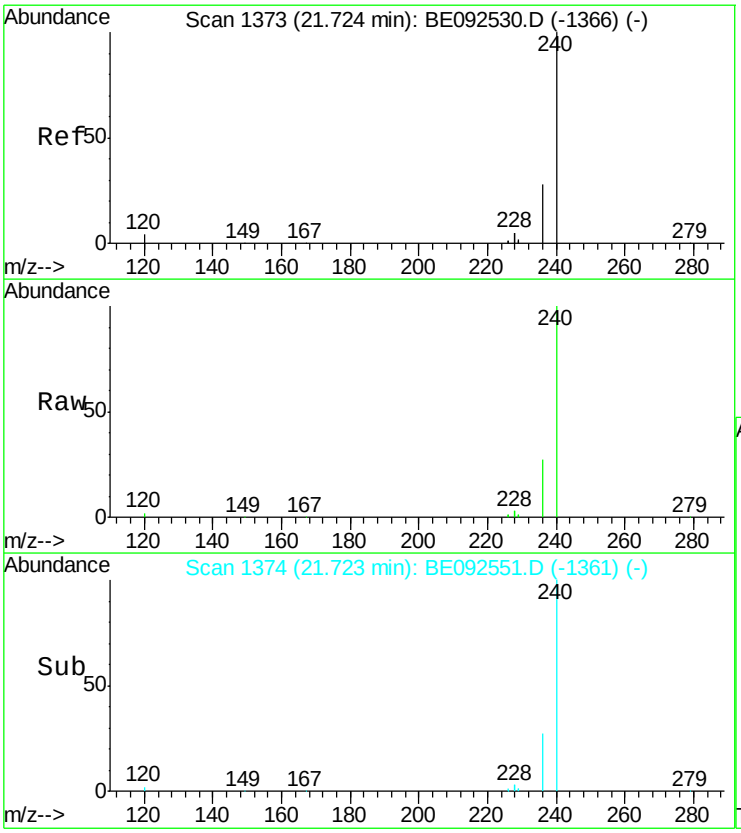
#23
Fluoranthene
Concen: 0.42 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:202 Resp: 24497

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.7	13.7	20.5

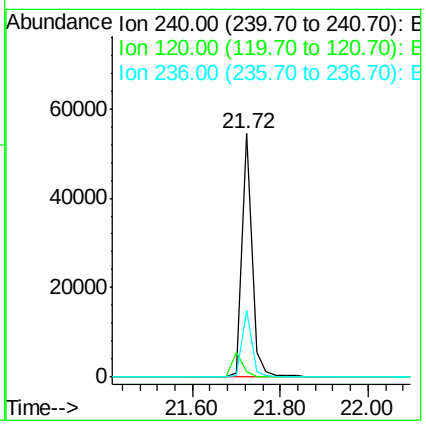


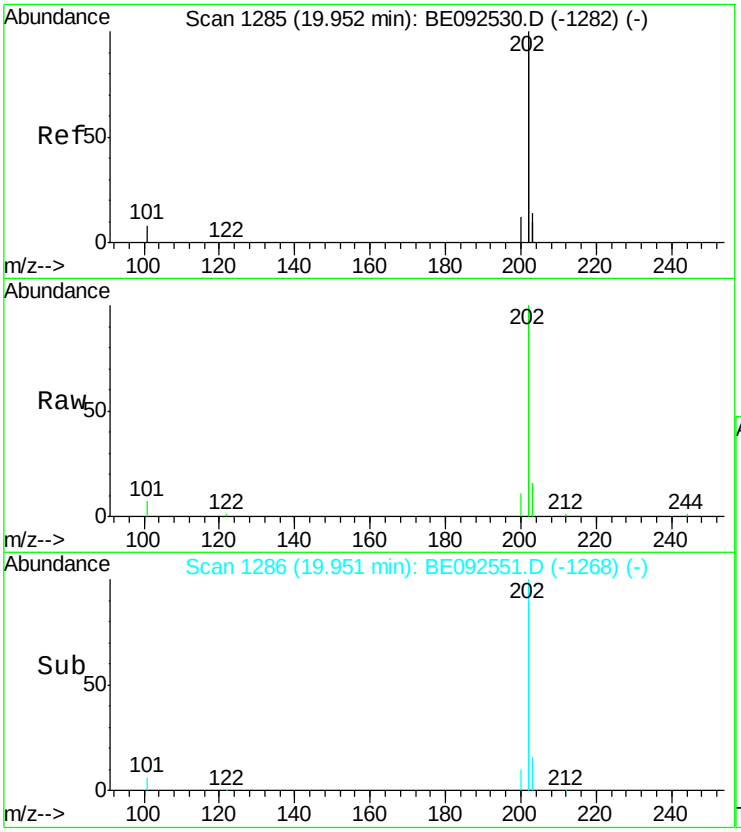


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:240 Resp: 85566

Ion	Ratio	Lower	Upper
240	100		
120	2.3	2.6	4.0#
236	27.4	24.6	37.0



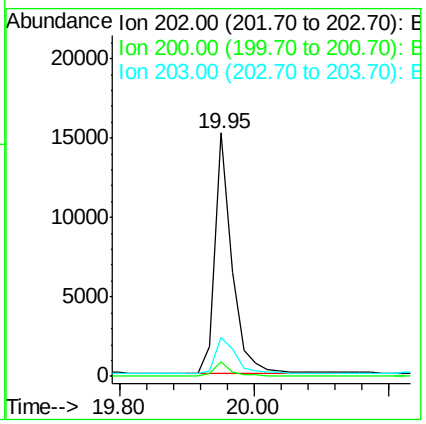


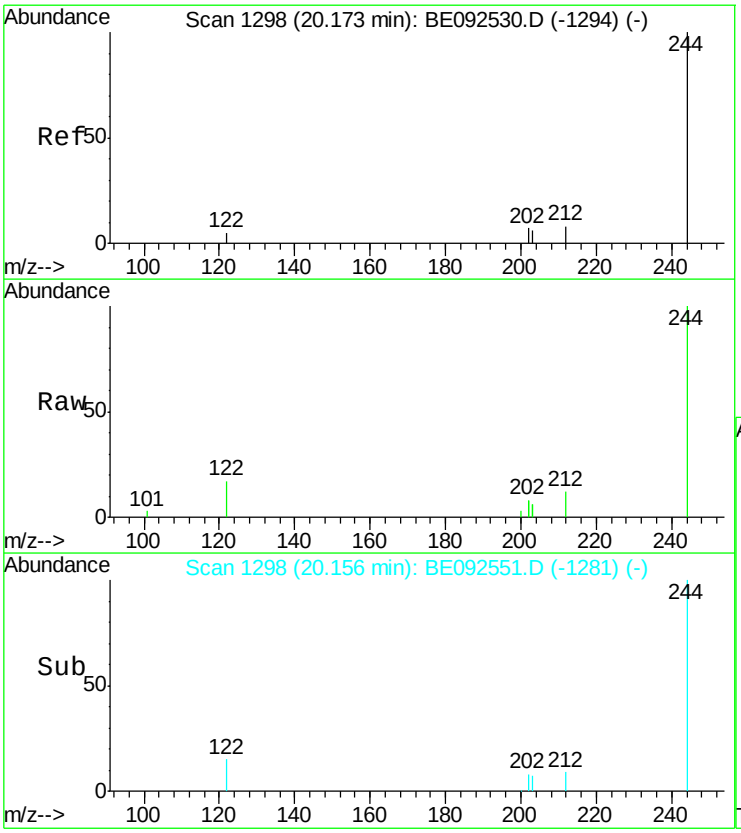
#25
Pyrene
Concen: 0.39 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:202 Resp: 26355

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.5	13.9	20.9

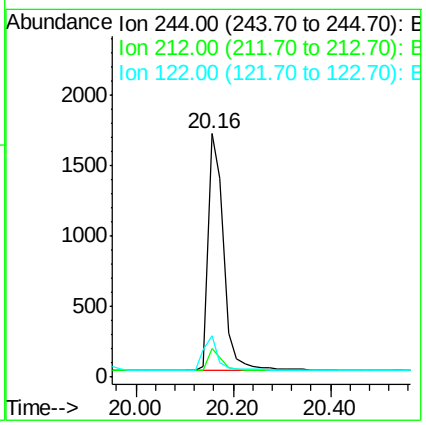


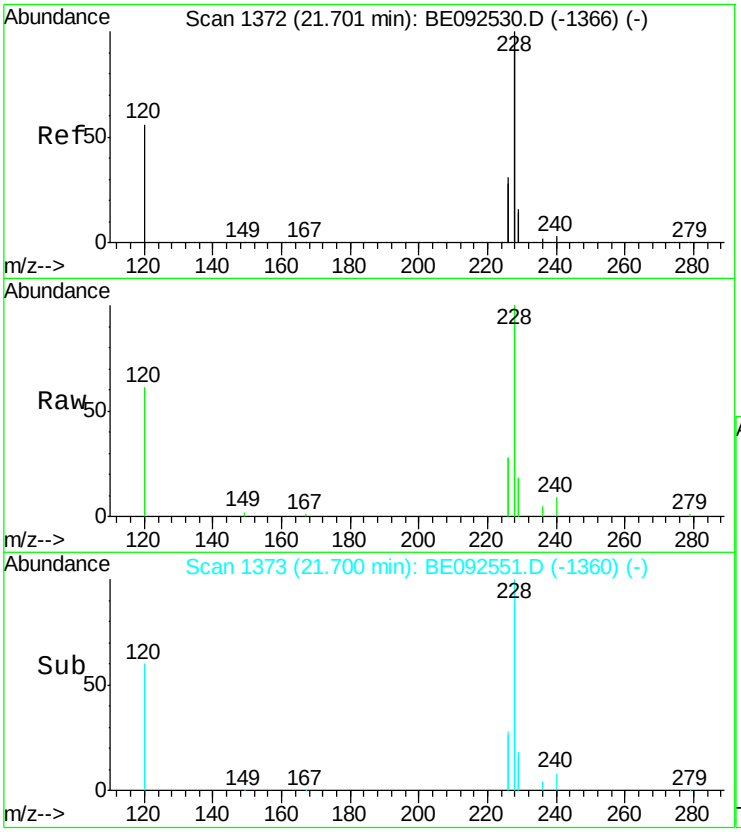


#26
Terphenyl-d14
Concen: 0.38 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:244 Resp: 3703

Ion	Ratio	Lower	Upper
244	100		
212	11.9	6.7	10.1#
122	17.0	3.6	5.4#



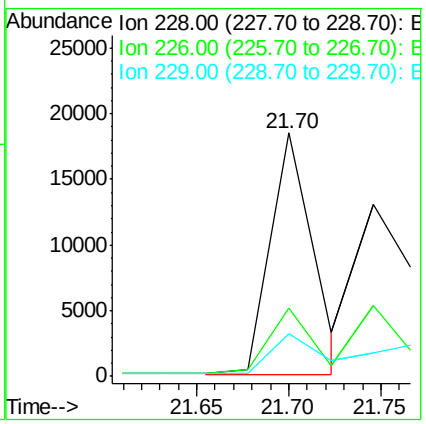


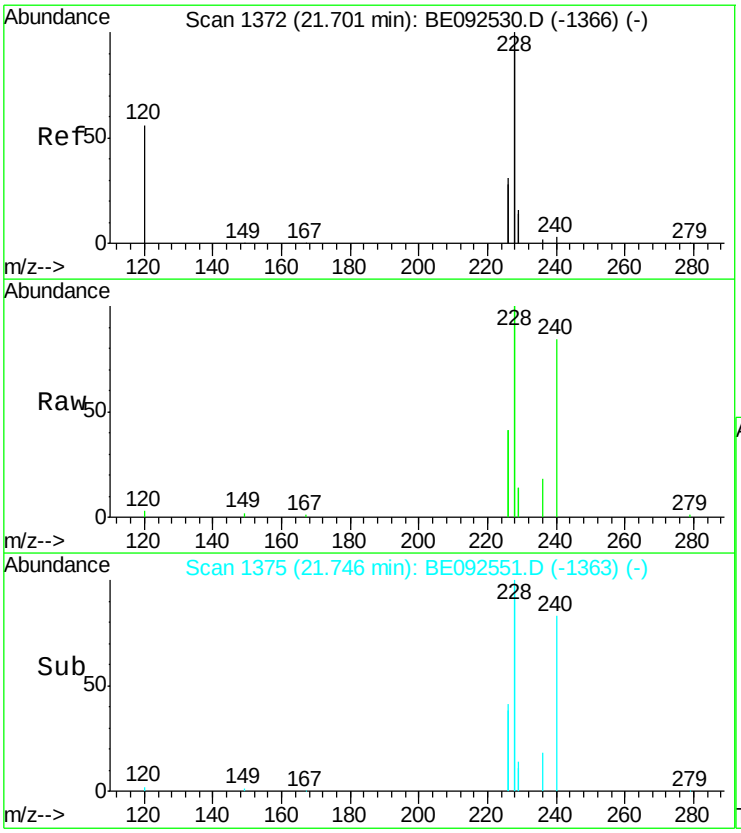
#27
Benzo(a)anthracene
Concen: 0.46 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 30026

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.6	35.4
229	17.7	13.3	19.9

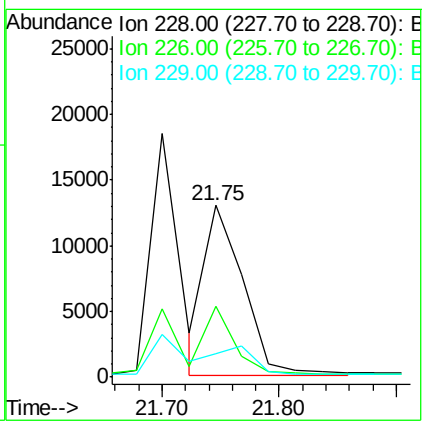


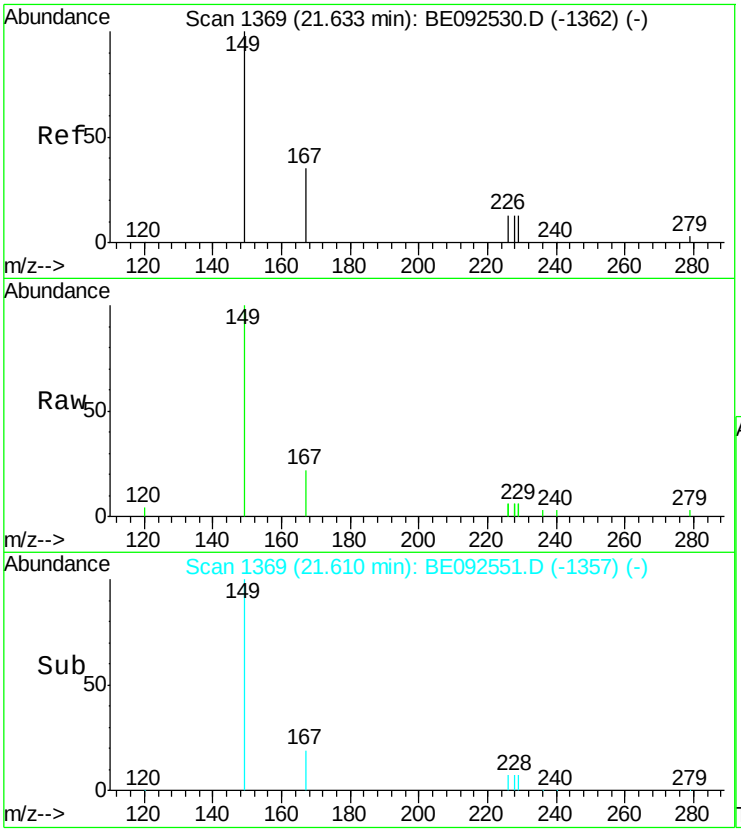


#28
Chrysene
Concen: 0.41 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:228 Resp: 30064

Ion	Ratio	Lower	Upper
228	100		
226	41.1	36.3	54.5
229	14.0	10.6	16.0



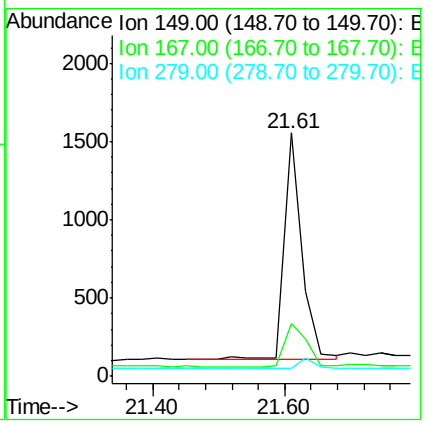


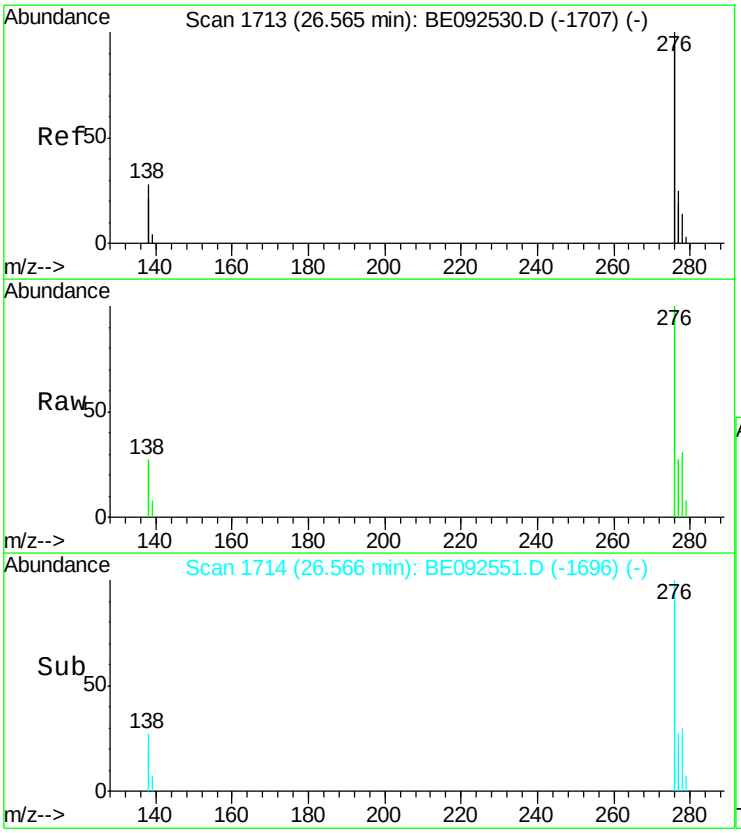
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.59 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:149 Resp: 2687

Ion	Ratio	Lower	Upper
149	100		
167	23.4	16.0	24.0
279	0.0	16.0	24.0#

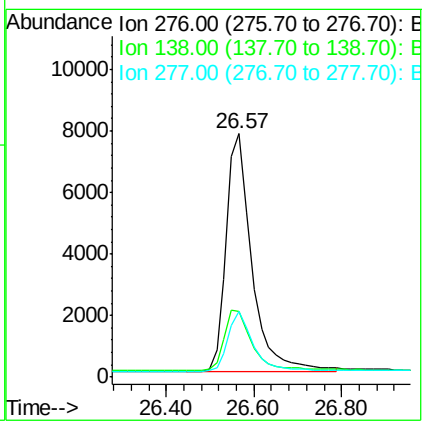


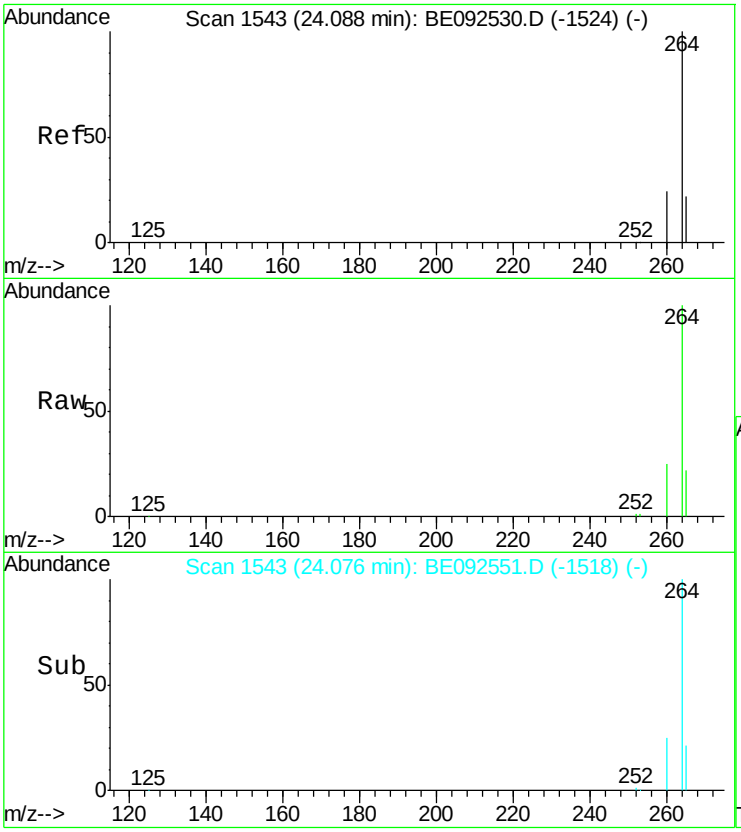


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.57 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:276 Resp: 31278

Ion	Ratio	Lower	Upper
276	100		
138	27.5	20.3	30.5
277	24.4	19.7	29.5



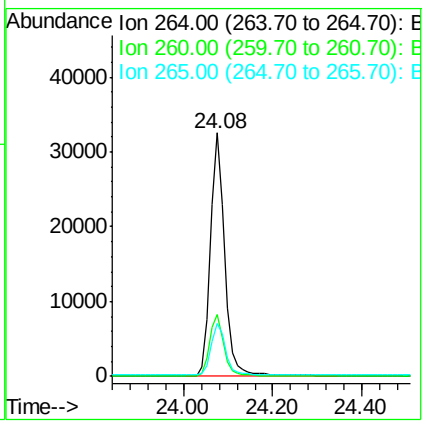


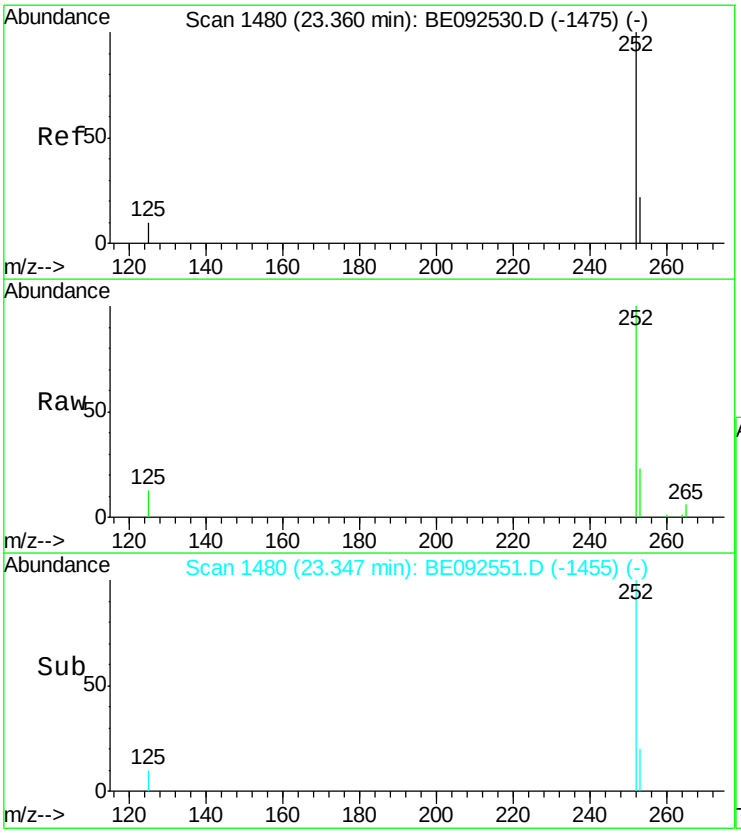
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 72921

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	22.0	17.9	26.9

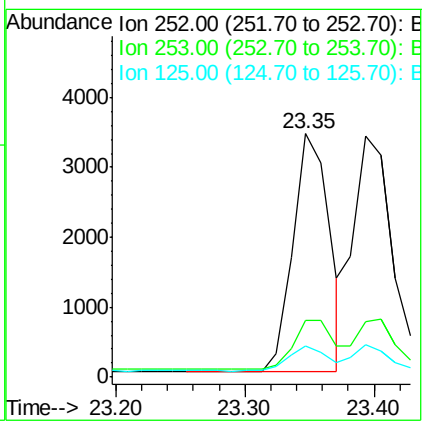


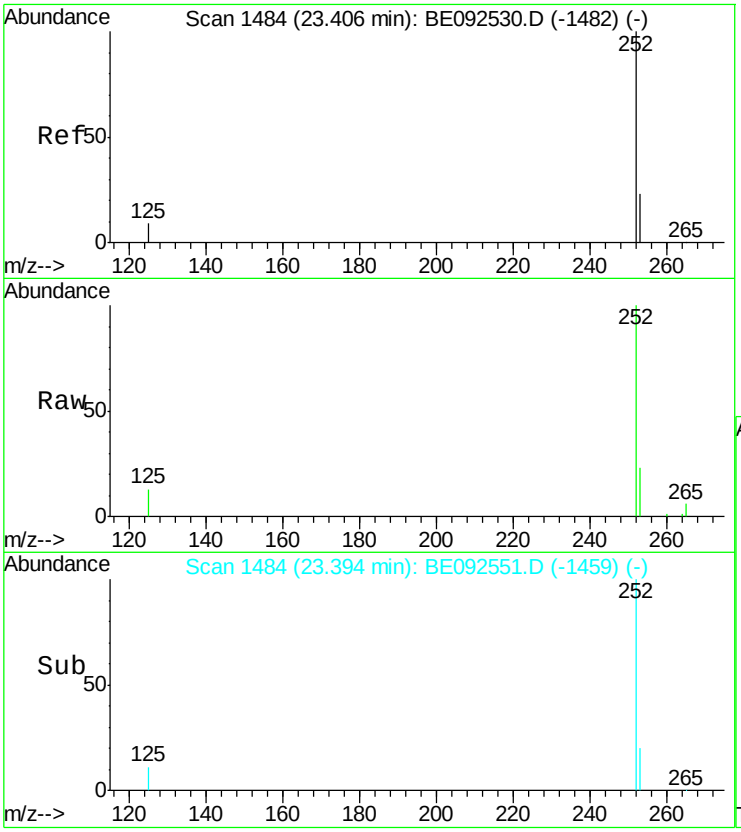


#32
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:252 Resp: 6704

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1
125	12.7	10.5	15.7



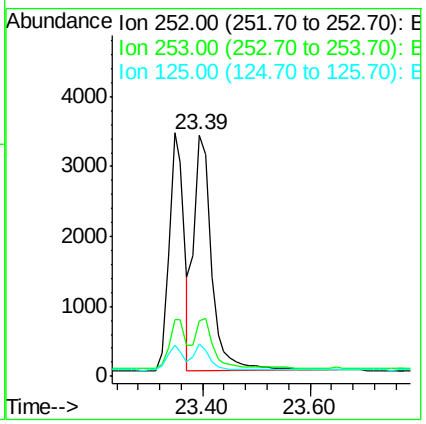


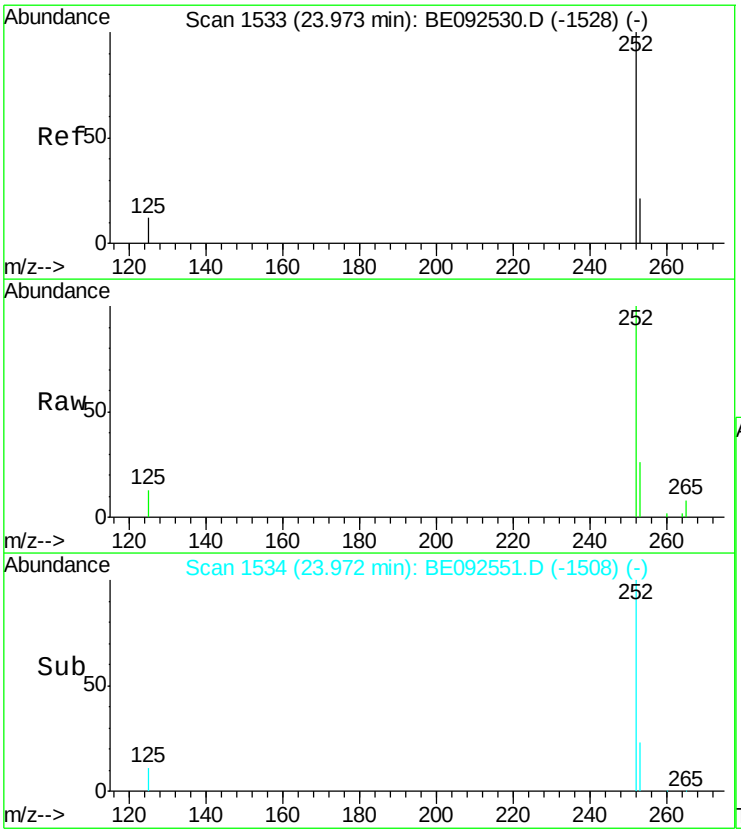
#33
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 7636

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	13.3	9.6	14.4

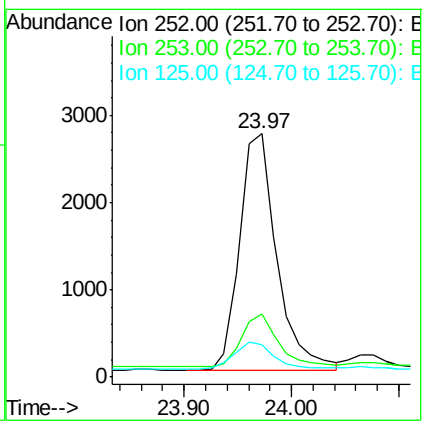


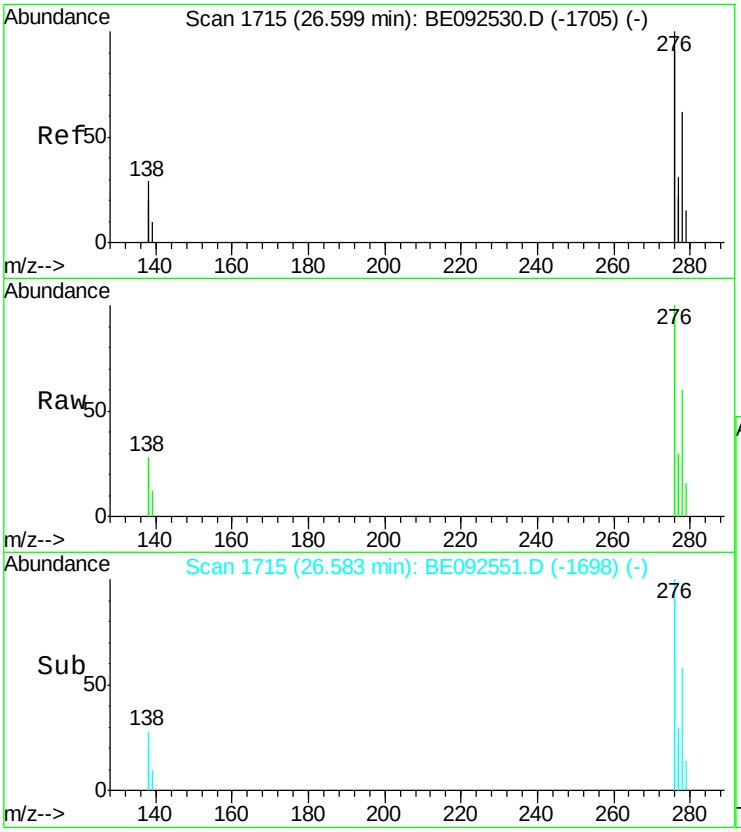


#34
Benzo(a)pyrene
Concen: 0.40 ng
RT: 23.97 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:252 Resp: 6517

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.0	28.6
125	13.5	11.8	17.8



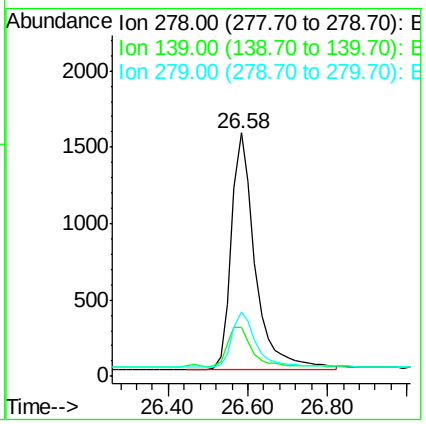


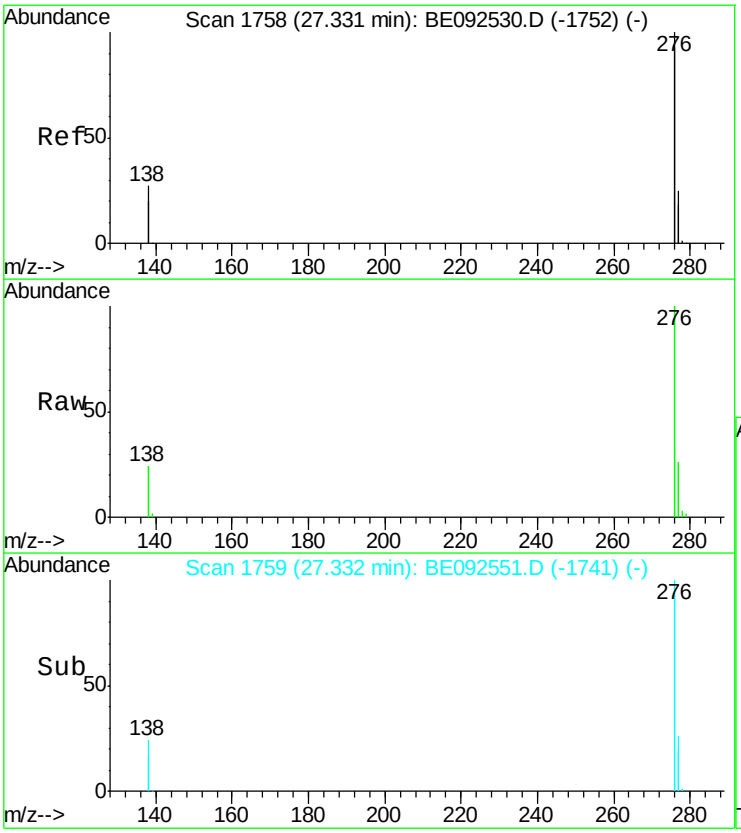
#35
Dibenzo(a,h)anthracene
Concen: 0.40 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:278 Resp: 6401

Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.8	20.8
279	26.7	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092551.D
Acq: 17 Nov 2016 1:55

Tgt Ion:276 Resp: 27054

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.8	29.8
138	23.7	19.8	29.6