Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102516\
Data File : BE092477.D
Acq On : 25 Oct 2016 13:28
Operator : UM/SJ
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC005

Quant Time: Oct 25 15:36:10 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 13:01:19 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10330	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	53380	5.00	ng		-0.02
12) Acenaphthene-d10	14.82	164	36292	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	70499	5.00	ng		-0.02
24) Chrysene-d12	21.75	240	87892	5.00	ng		0.00
31) Perylene-d12	24.11	264	71113	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0d	0.00	ng		
5) Phenol-d6	0.00	99	0d	0.00	ng		
8) Nitrobenzene-d5	9.32	82	19138	6.00	ng		-0.05
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
14) 2-Fluorobiphenyl	13.43	172	45985	5.35	ng		-0.01
26) Terphenyl-d14	20.17	244	57033	5.23	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	5737	4.37	ng		92
3) n-Nitrosodimethylamine	3.74	42	8984	7.40	ng		94
6) bis(2-Chloroethyl)ether	7.57	93	16699	6.61	ng		95
9) Naphthalene	10.99	128	54975	4.76	ng		94
10) Hexachlorobutadiene	11.28	225	8381	4.61	ng		99
11) 2-Methylnaphthalene	12.61	142	37272	4.87	ng		97
15) Acenaphthylene	14.53	152	265376	5.05	ng		100
16) Acenaphthene	14.87	154	39433	4.79	ng		94
17) Fluorene	15.86	166	51122	4.90	ng		99
19) Hexachlorobenzene	16.89	284	14749	4.89	ng	#	39
21) Phenanthrene	17.60	178	92349	5.70	ng	#	94
22) Anthracene	17.70	178	89129	5.72	ng		99
23) Fluoranthene	19.61	202	367232	4.77	ng		99
25) Pyrene	19.97	202	395616	5.19	ng		100
27) Benzo(a)anthracene	21.72	228	408967m	4.77	ng		
28) Chrysene	21.77	228	409504m	5.22	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	50252	6.81	ng	#	77
30) Indeno(1,2,3-cd)pyrene	26.60	276	393176	4.72	ng		98
32) Benzo(b)fluoranthene	23.38	252	94367	5.48	ng	#	97
33) Benzo(k)fluoranthene	23.43	252	87357	4.85	ng		95
34) Benzo(a)pyrene	24.01	252	85451	5.06	ng	#	96
35) Dibenzo(a,h)anthracene	26.63	278	81010	5.24	ng		95
36) Benzo(g,h,i)perylene	27.38	276	333237	5.01	ng		96

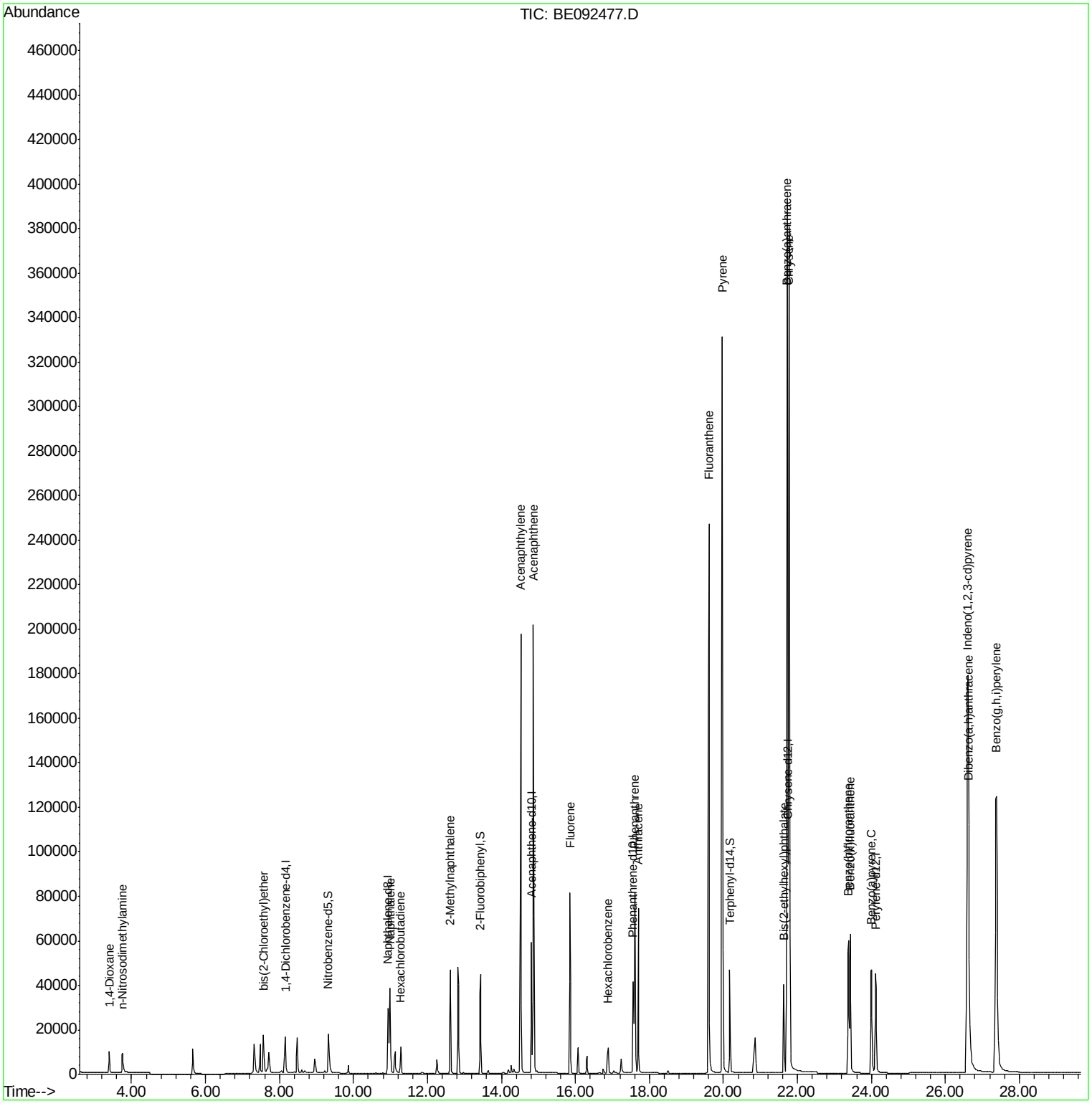
(#) = qualifier out of range (m) = manual integration (+) = signals summed

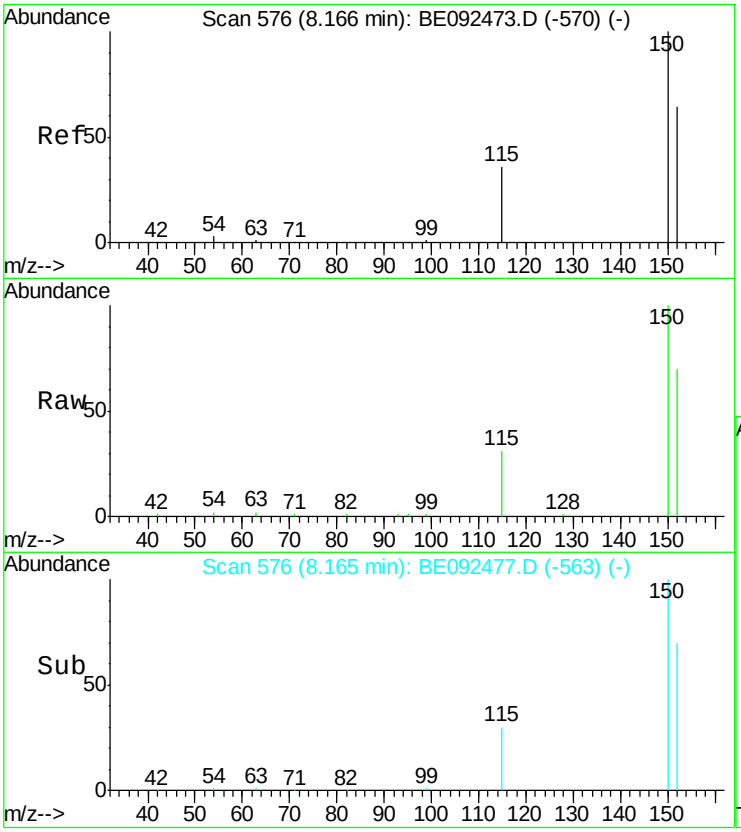
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102516\
Data File : BE092477.D
Acq On : 25 Oct 2016 13:28
Operator : UM/SJ
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Quant Time: Oct 25 15:36:10 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 13:01:19 2016
Response via : Initial Calibration



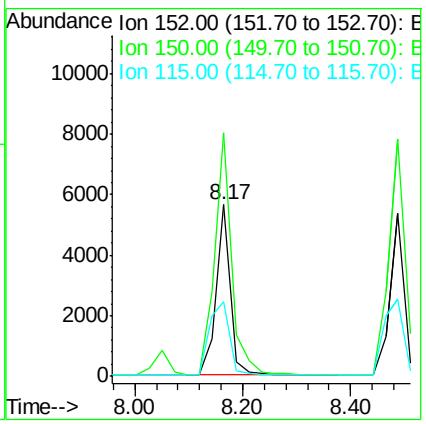


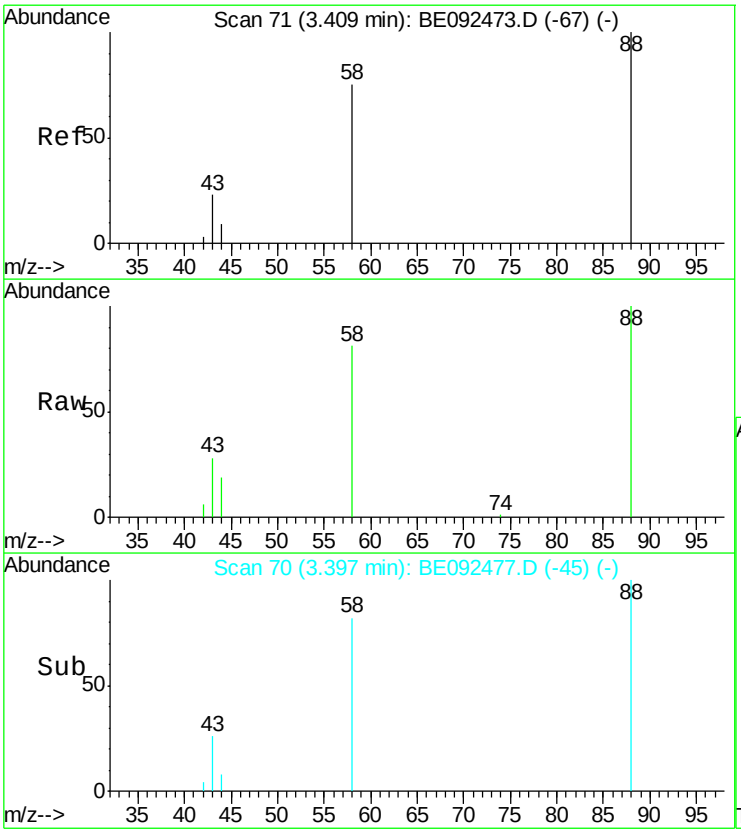
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 10330

Ion	Ratio	Lower	Upper
152	100		
150	142.0	106.0	159.0
115	43.7	31.2	46.8

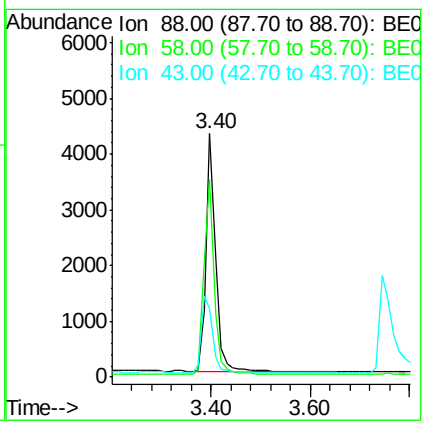


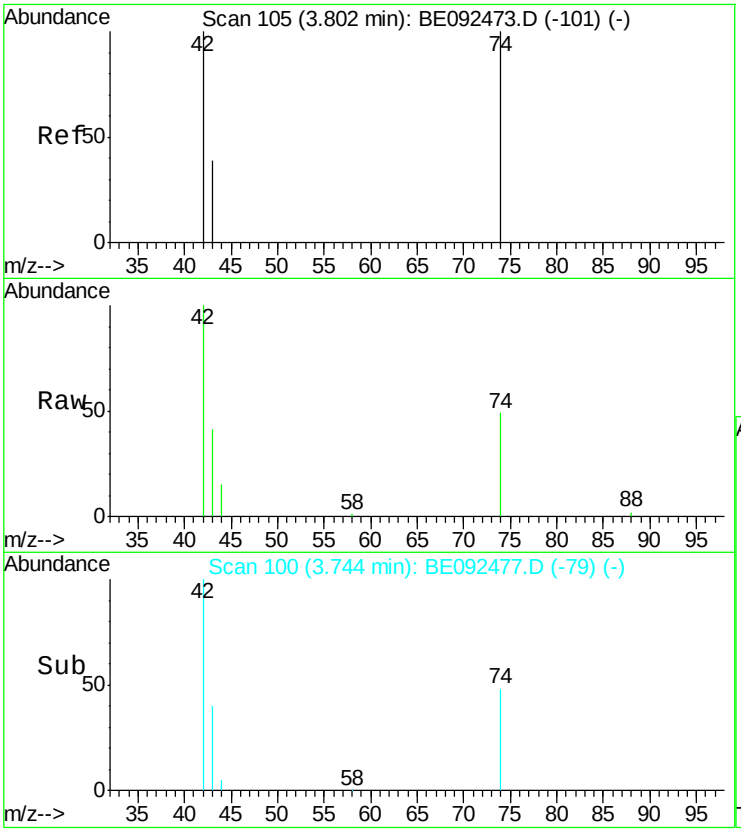


#2
1,4-Dioxane
Concen: 4.37 ng
RT: 3.40 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion: 88 Resp: 5737

Ion	Ratio	Lower	Upper
88	100		
58	87.3	63.6	95.4
43	37.8	28.0	42.0



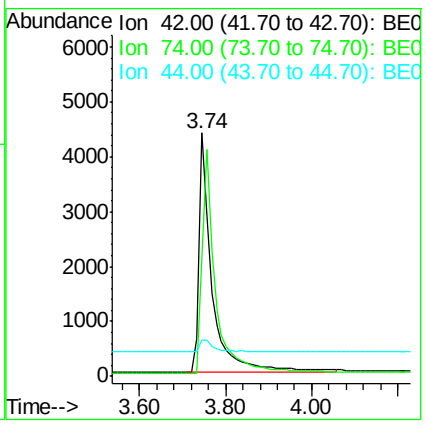


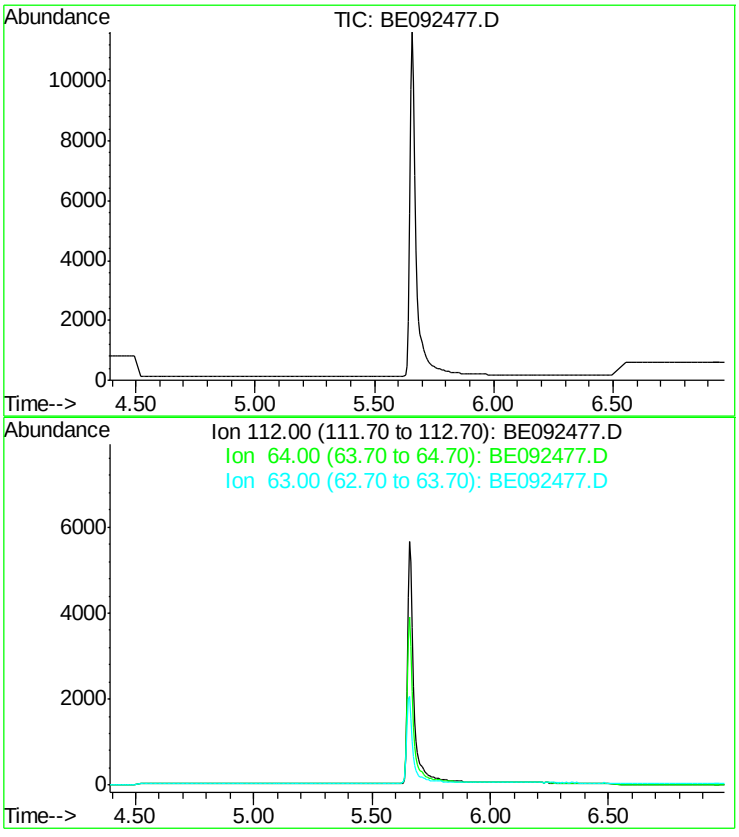
#3
n-Nitrosodimethylamine
Concen: 7.40 ng
RT: 3.74 min Scan# 100
Delta R.T. -0.06 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion: 42 Resp: 8984

Ion	Ratio	Lower	Upper
42	100		
74	100.8	86.0	129.0
44	6.4	5.1	7.7



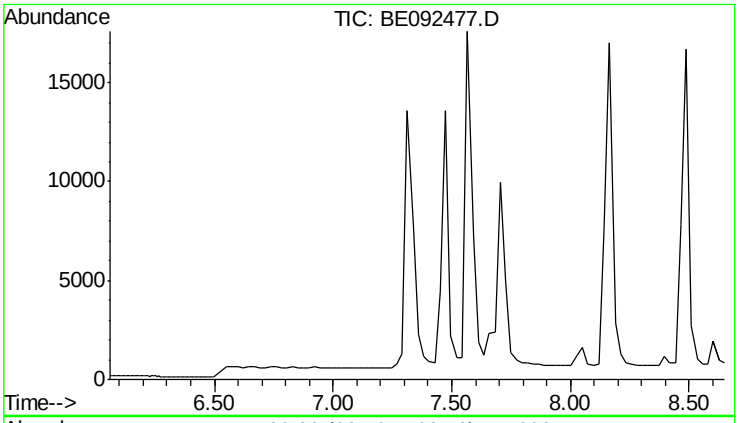


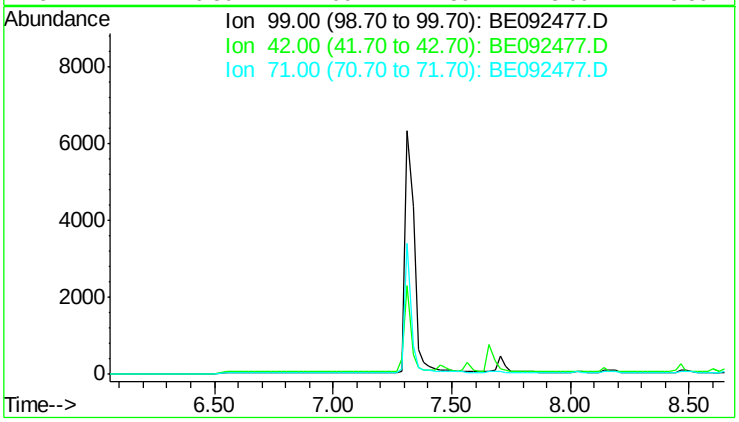
#4
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.69 min

Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.9
63	34.9





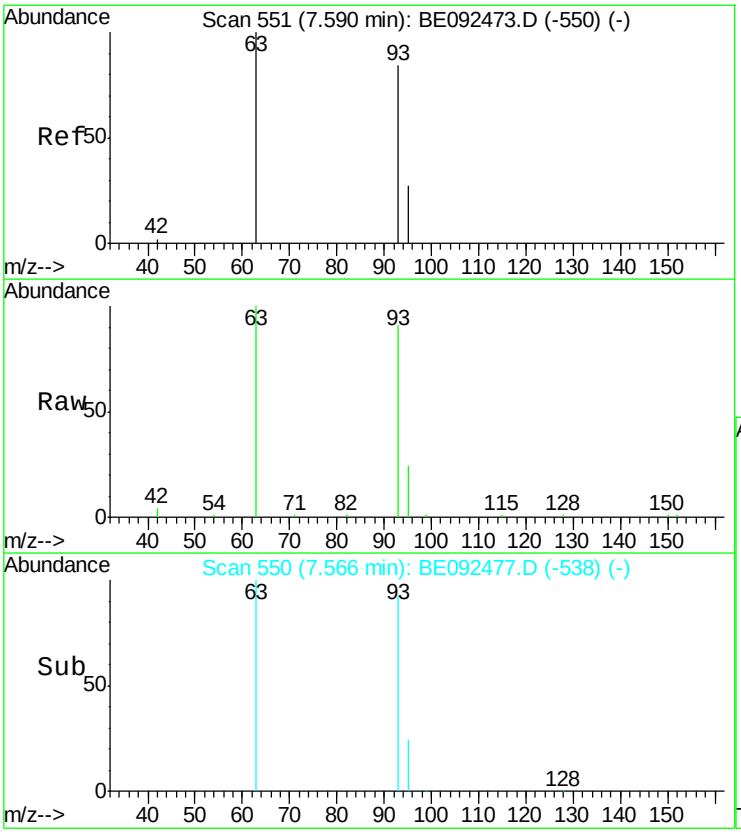
#5
Phenol-d6
Concen: 0.00 ng
Expected RT: 7.36 min

Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	20.0
71	38.2

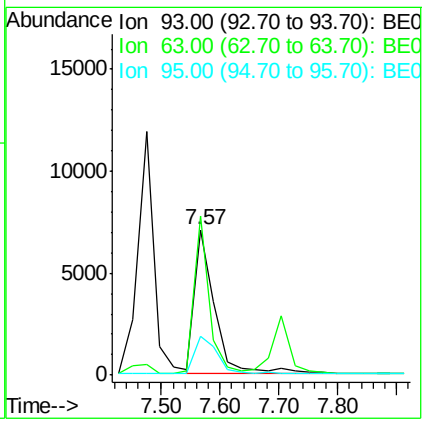
Instrument :
BNA_E
ClientSampleId :
SSTDICC005

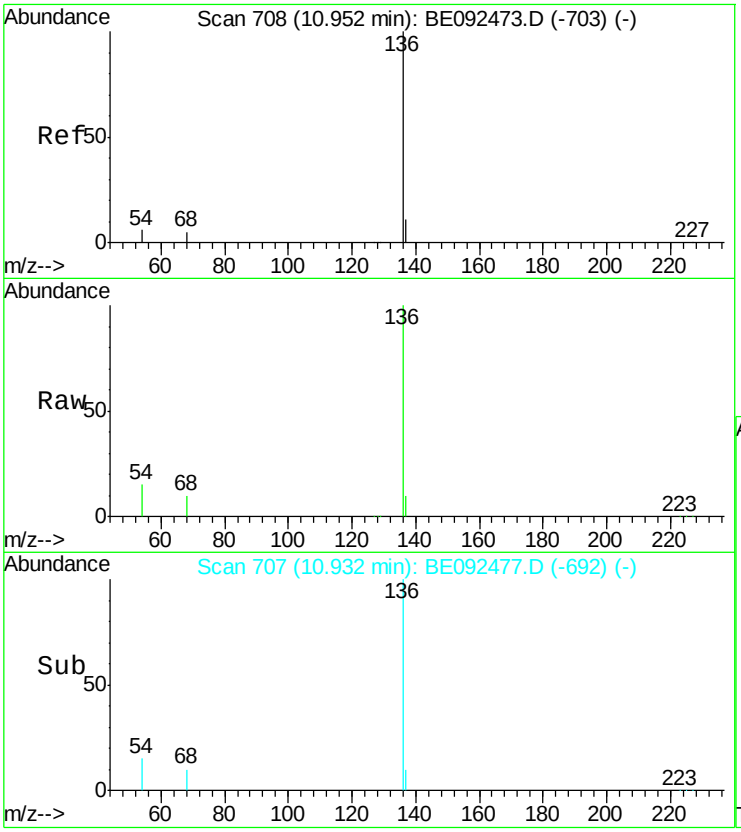


#6
bis(2-Chloroethyl)ether
Concen: 6.61 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion: 93 Resp: 16699

Ion	Ratio	Lower	Upper
93	100		
63	83.0	71.6	107.4
95	30.3	24.0	36.0



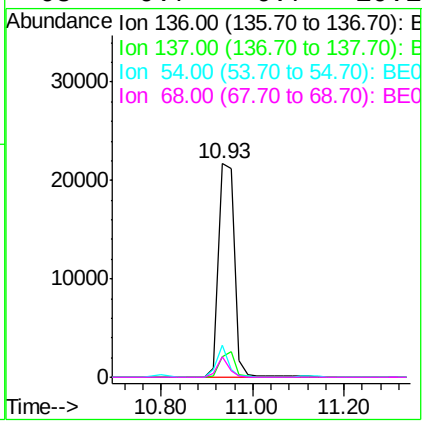


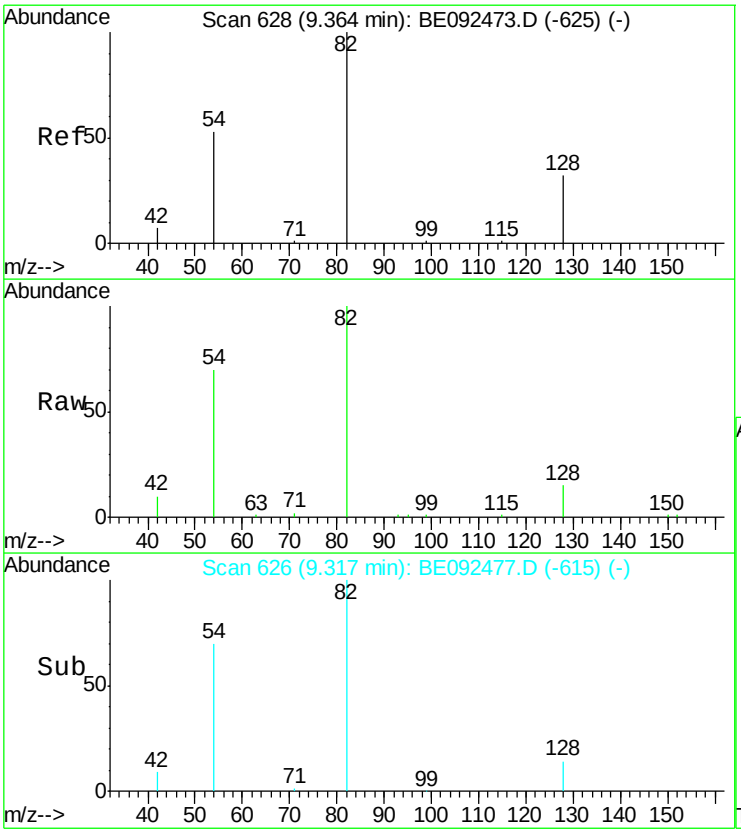
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 53380

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.2	12.4
54	15.1	9.6	14.4#
68	9.7	6.7	10.1

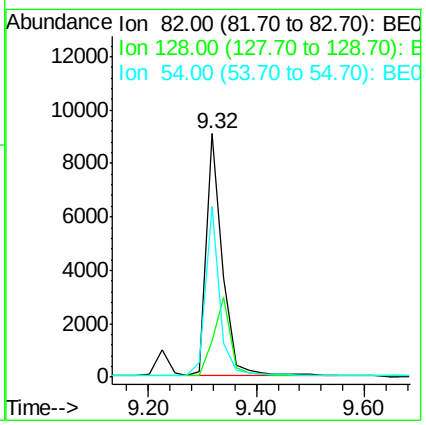


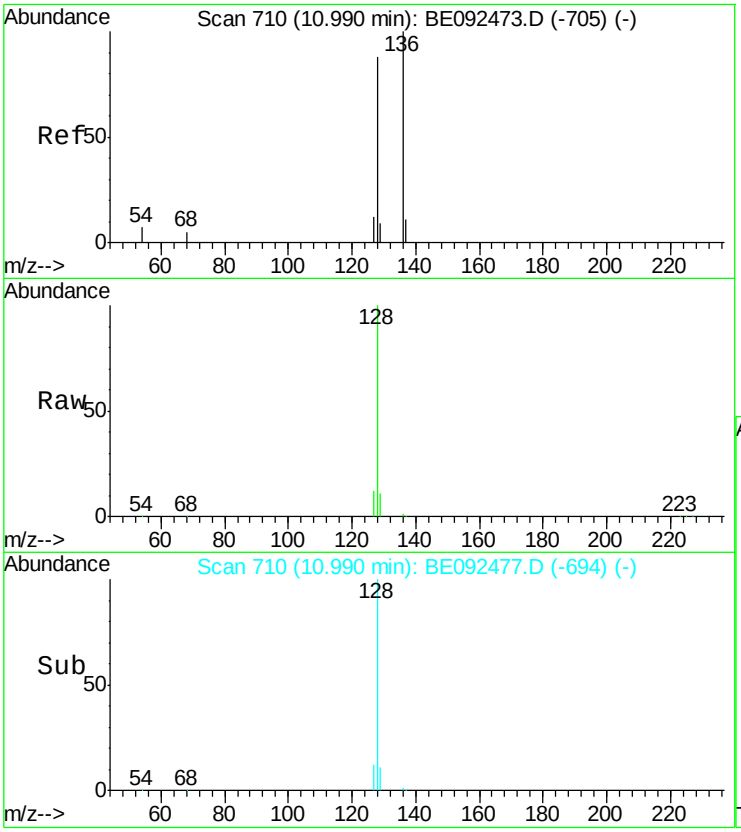


#8
Nitrobenzene-d5
Concen: 6.00 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion: 82 Resp: 19138

Ion	Ratio	Lower	Upper
82	100		
128	14.7	39.0	58.4#
54	70.3	44.8	67.2#



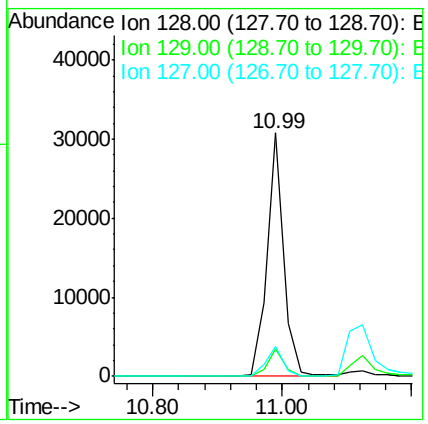


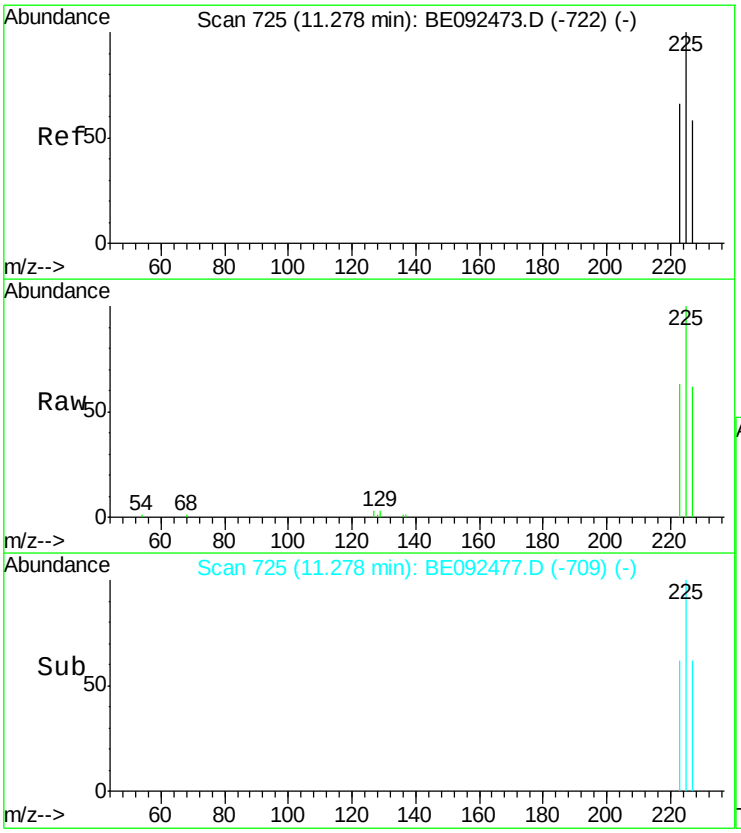
#9
Naphthalene
Concen: 4.76 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 54975

Ion	Ratio	Lower	Upper
128	100		
129	11.3	11.2	16.8
127	12.4	11.6	17.4

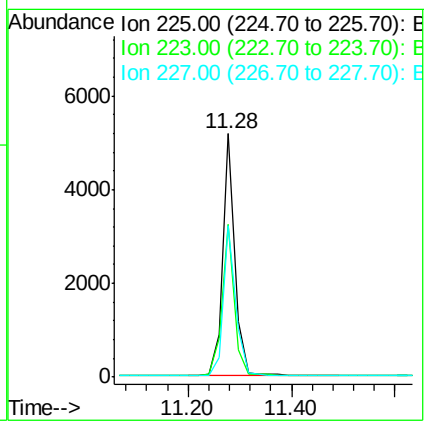


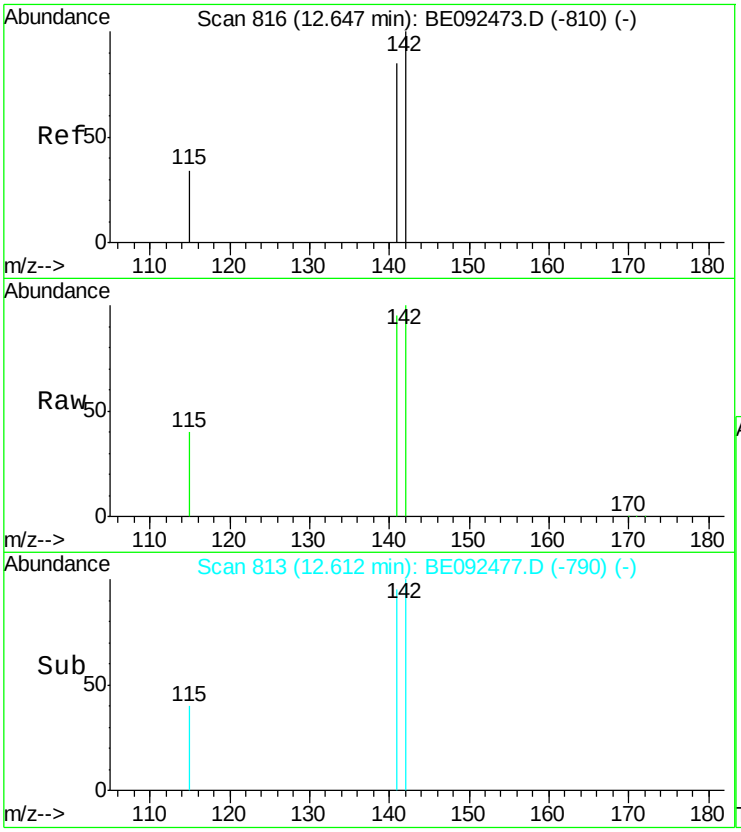


#10
Hexachlorobutadiene
Concen: 4.61 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:225 Resp: 8381

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.6	51.4	77.0



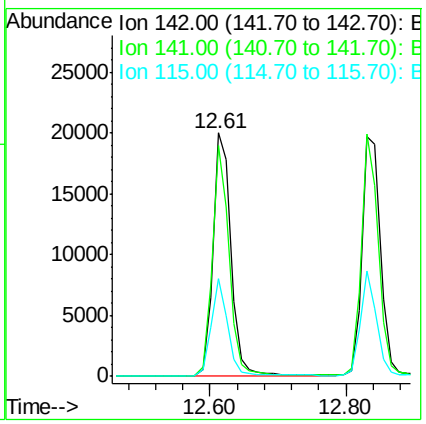


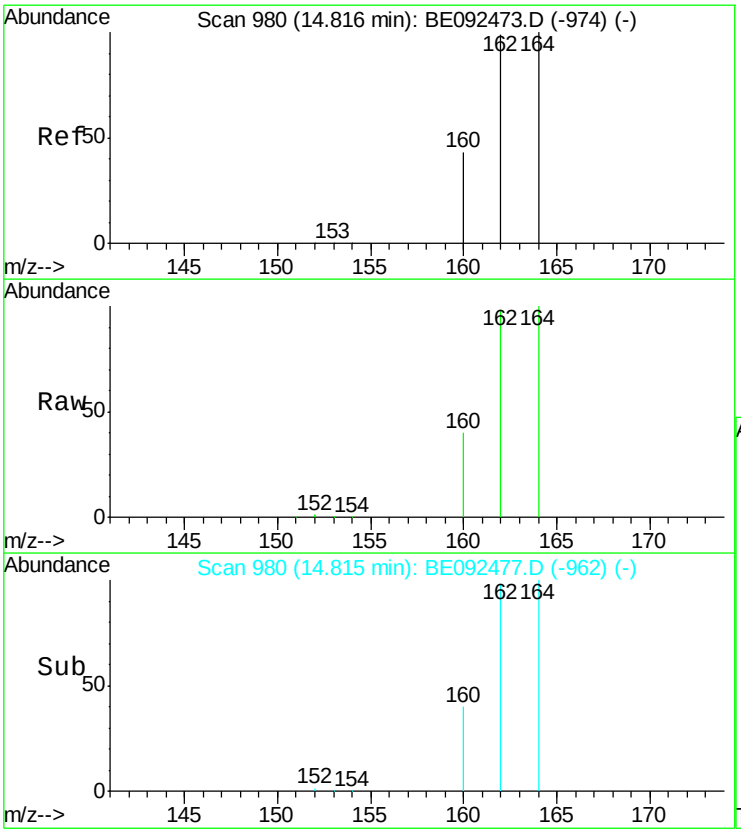
#11
2-Methylnaphthalene
Concen: 4.87 ng
RT: 12.61 min Scan# 813
Delta R.T. -0.04 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 37272

Ion	Ratio	Lower	Upper
142	100		
141	94.6	73.7	110.5
115	40.2	34.0	51.0

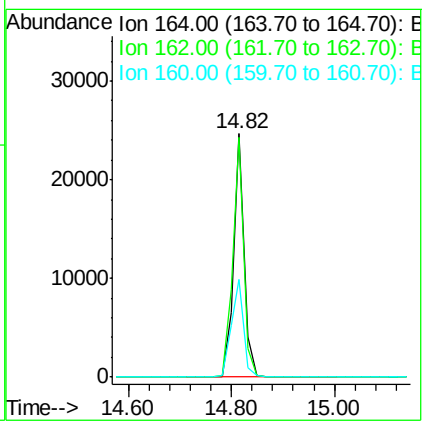


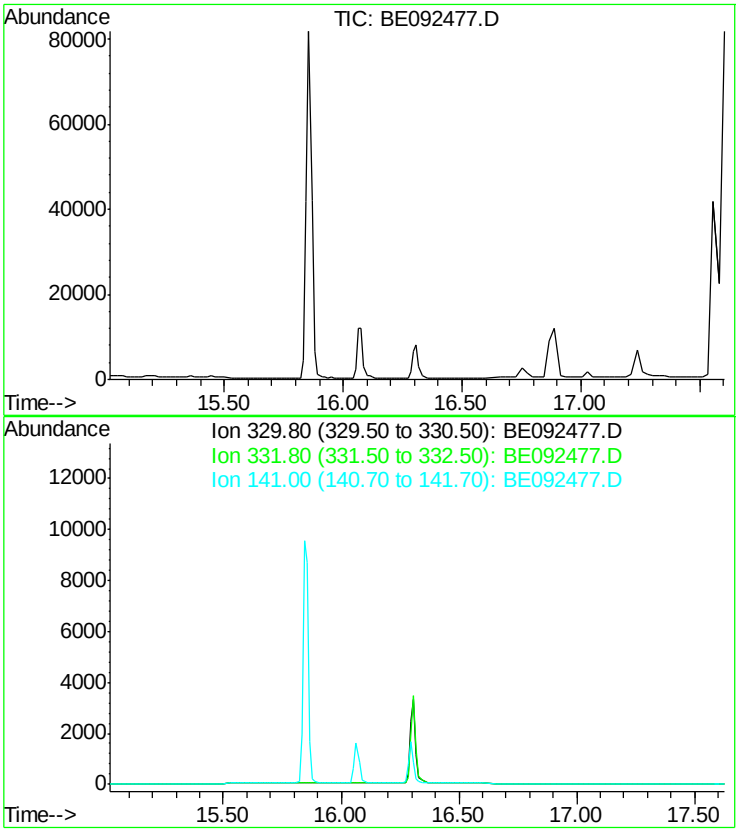


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:164 Resp: 36292

Ion	Ratio	Lower	Upper
164	100		
162	98.4	71.4	107.0
160	40.3	27.4	41.2





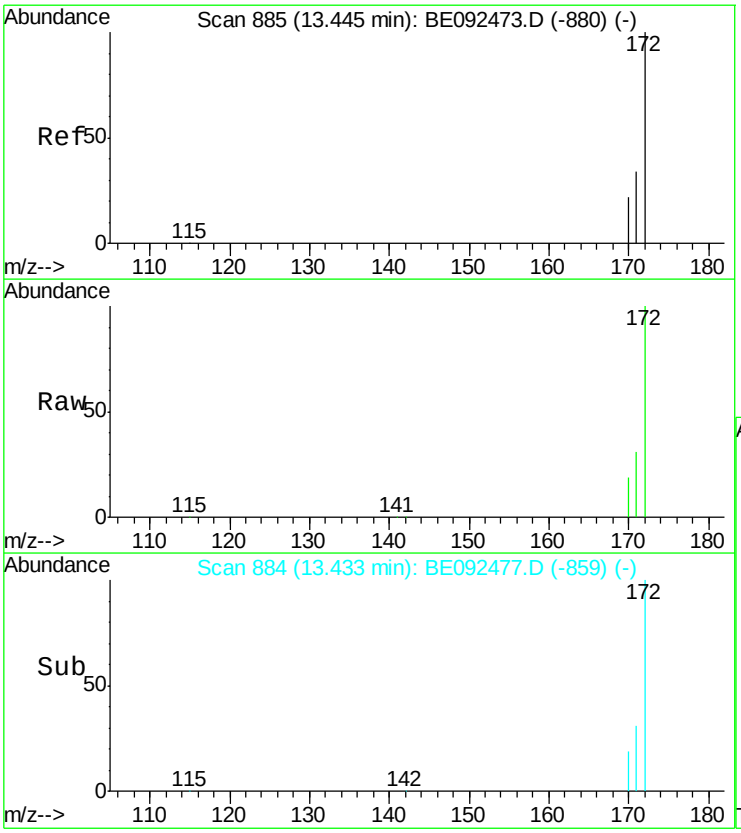
#13
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 16.32 min

Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.2
141	38.8

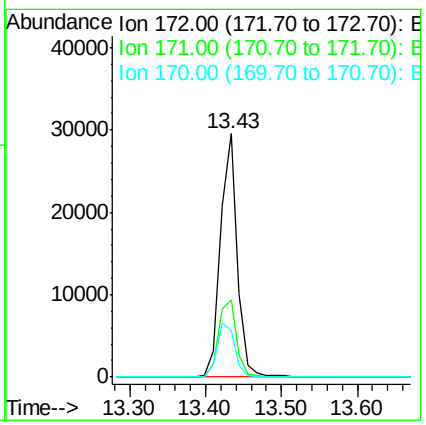
Instrument :
BNA_E
ClientSampleId :
SSTDICC005

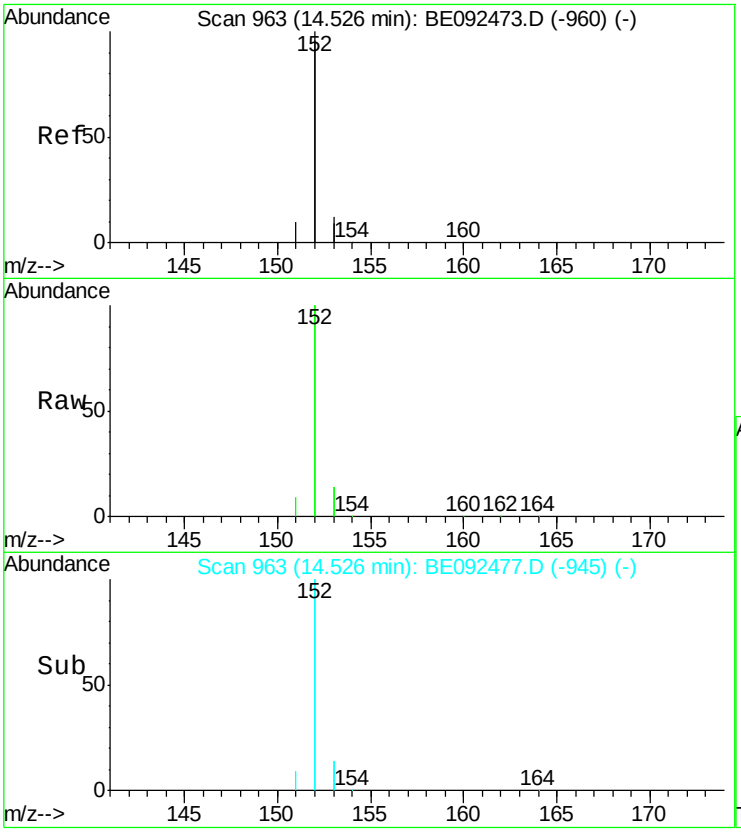


#14
2-Fluorobiphenyl
Concen: 5.35 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:172 Resp: 45985

Ion	Ratio	Lower	Upper
172	100		
171	31.5	30.1	45.1
170	19.2	21.8	32.6#



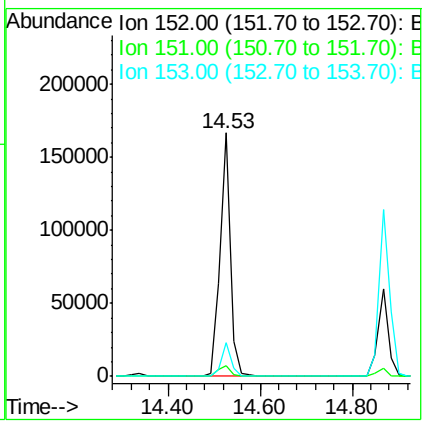


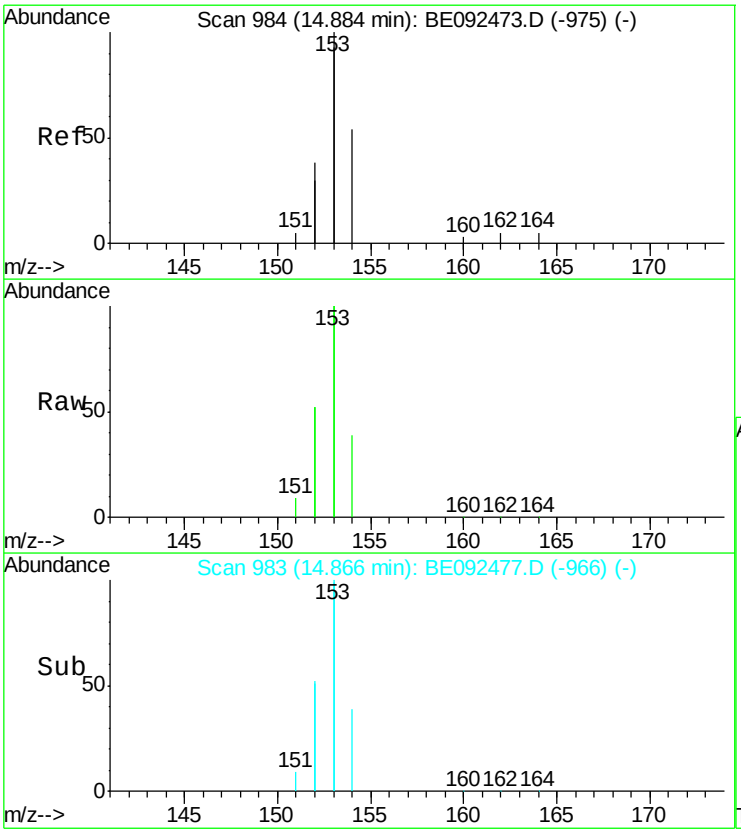
#15
Acenaphthylene
Concen: 5.05 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 265376

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6

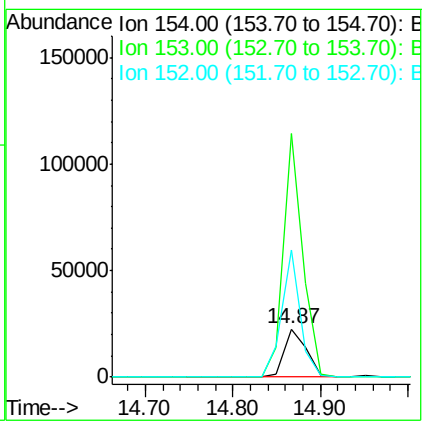


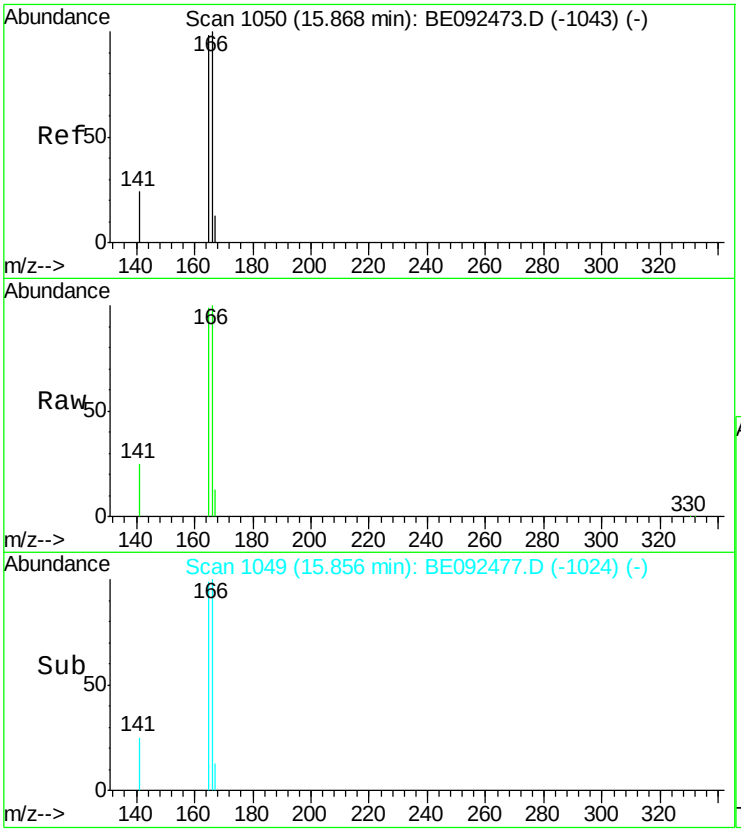


#16
Acenaphthene
Concen: 4.79 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:154 Resp: 39433

Ion	Ratio	Lower	Upper
154	100		
153	451.6	350.8	526.2
152	227.3	171.1	256.7



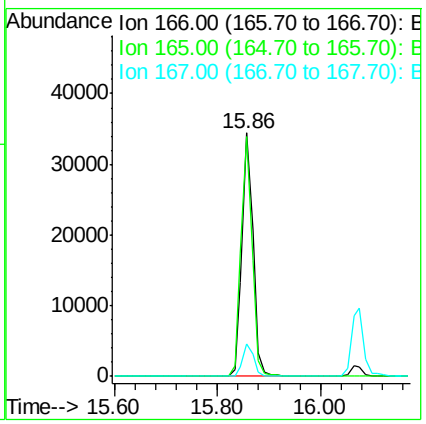


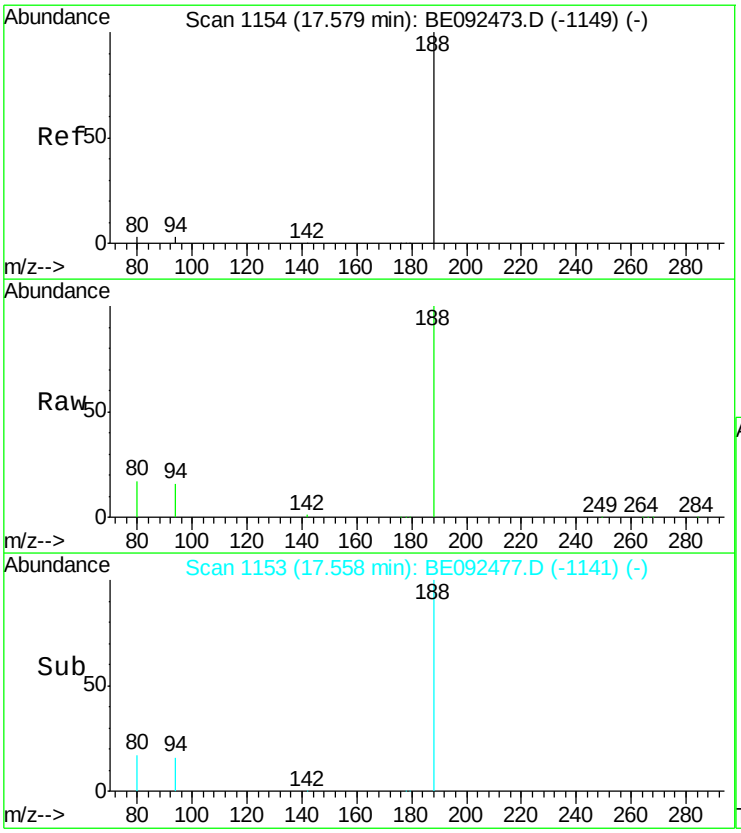
#17
Fluorene
Concen: 4.90 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 51122

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.3	11.0	16.4

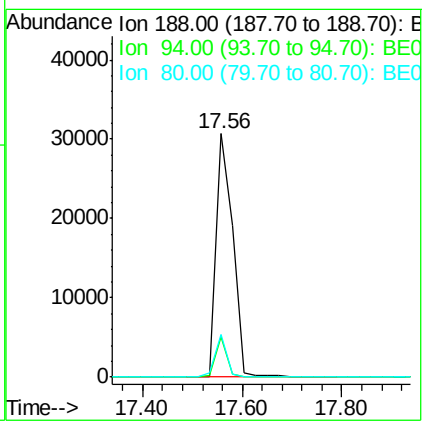


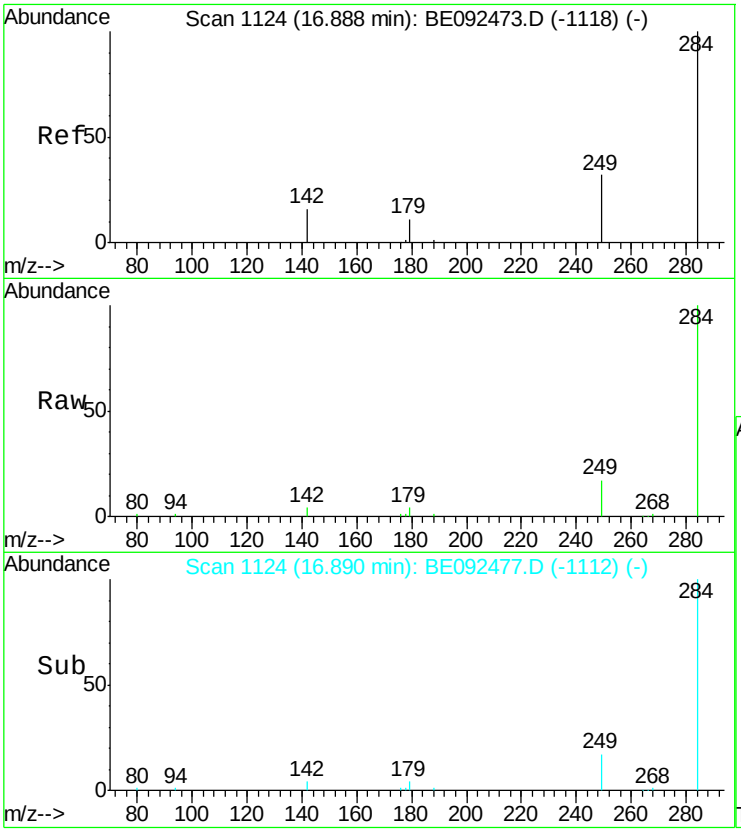


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:188 Resp: 70499

Ion	Ratio	Lower	Upper
188	100		
94	16.3	3.2	4.8#
80	17.5	2.6	3.8#



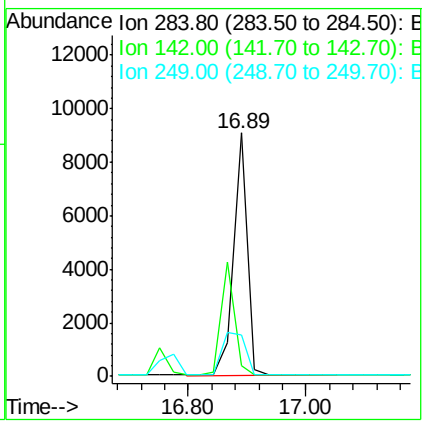


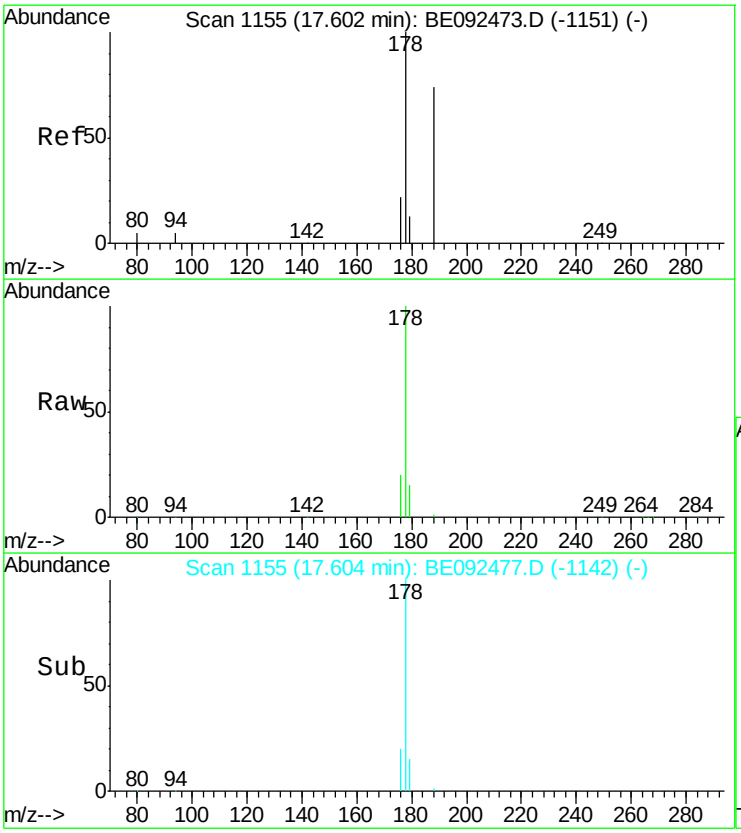
#19
Hexachlorobenzene
Concen: 4.89 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 14749

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#

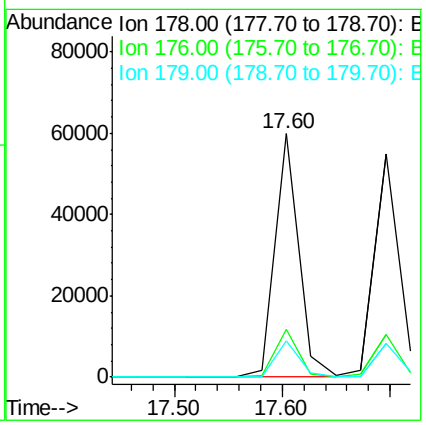


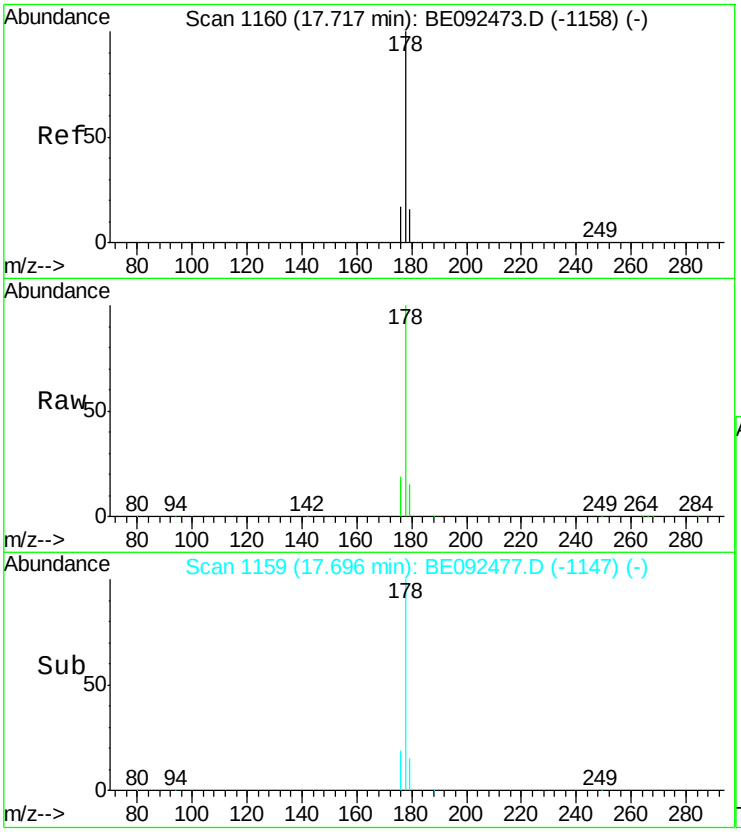


#21
Phenanthrene
Concen: 5.70 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:178 Resp: 92349

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.1	16.0	24.0#



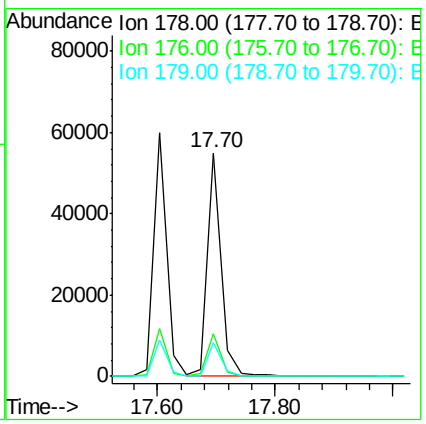


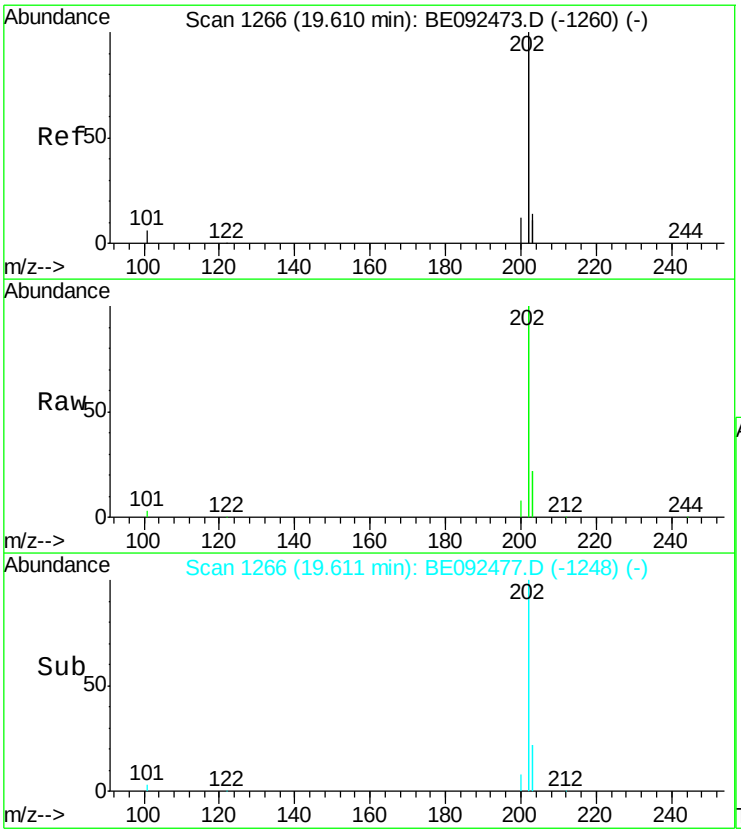
#22
Anthracene
Concen: 5.72 ng
RT: 17.70 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 89129

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.6	12.2	18.2

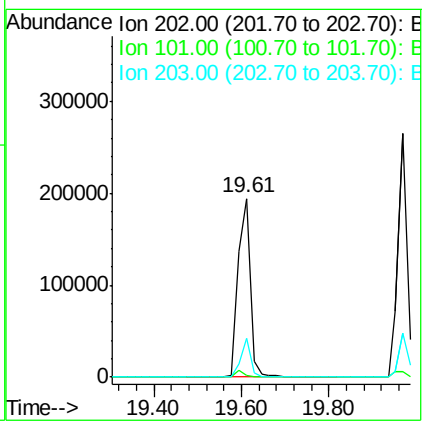


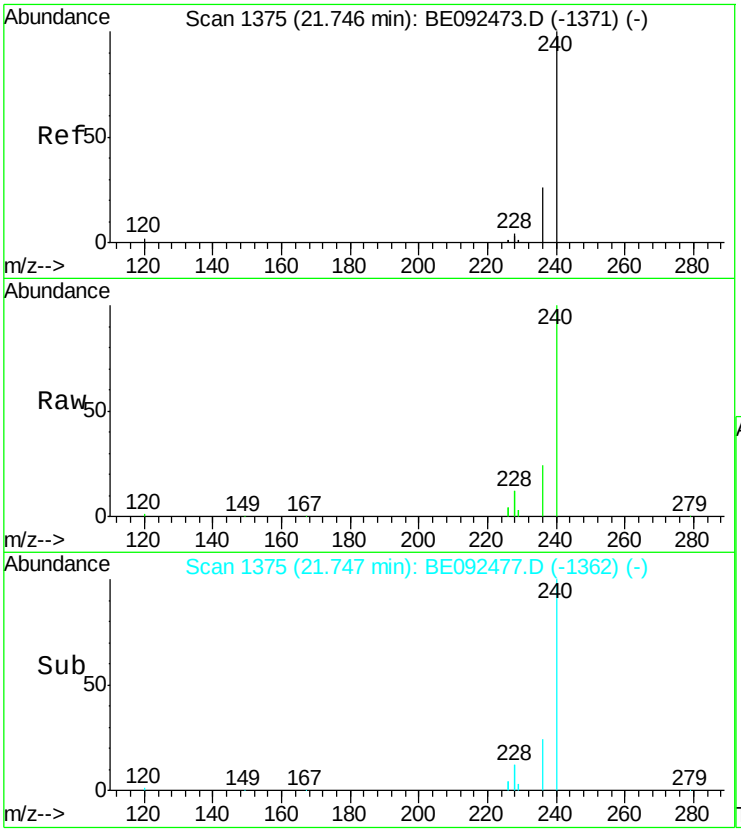


#23
Fluoranthene
Concen: 4.77 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:202 Resp: 367232

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.5	13.7	20.5



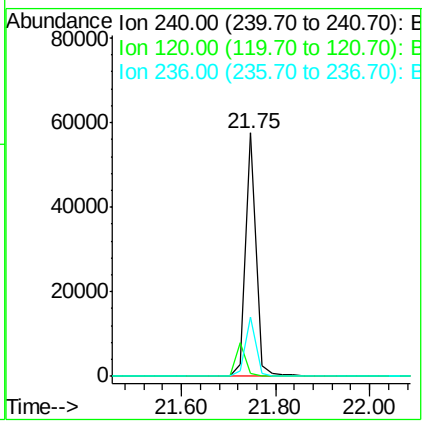


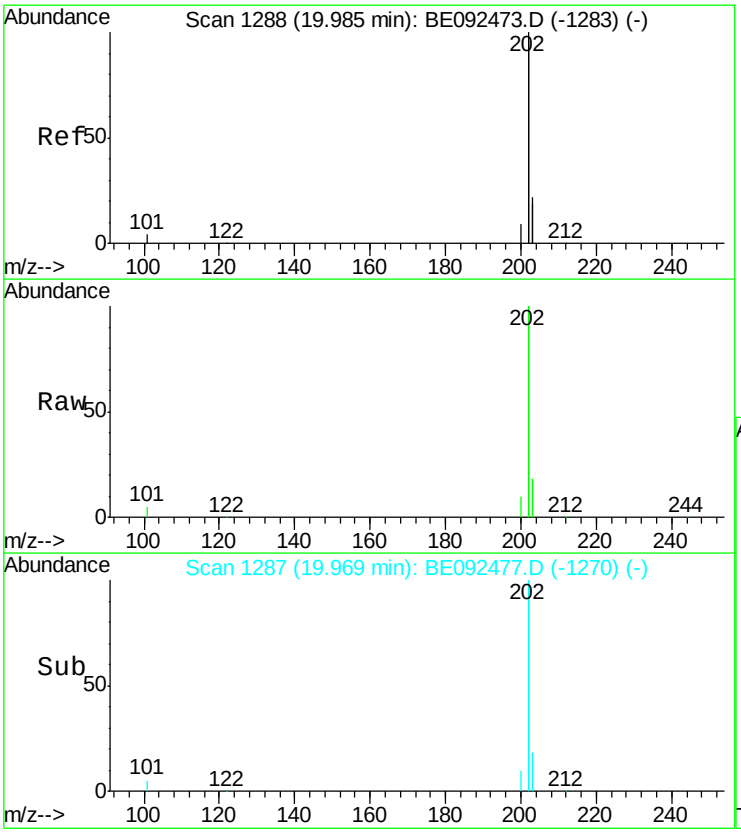
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 87892

Ion	Ratio	Lower	Upper
240	100		
120	1.1	2.6	4.0#
236	24.2	24.6	37.0#

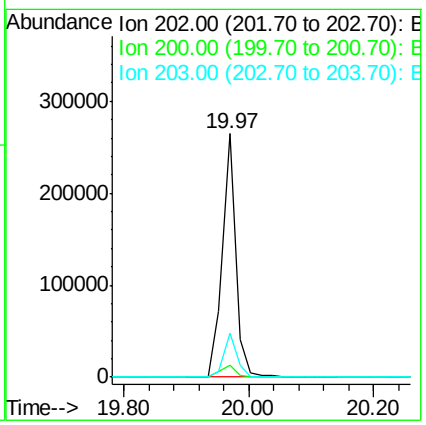


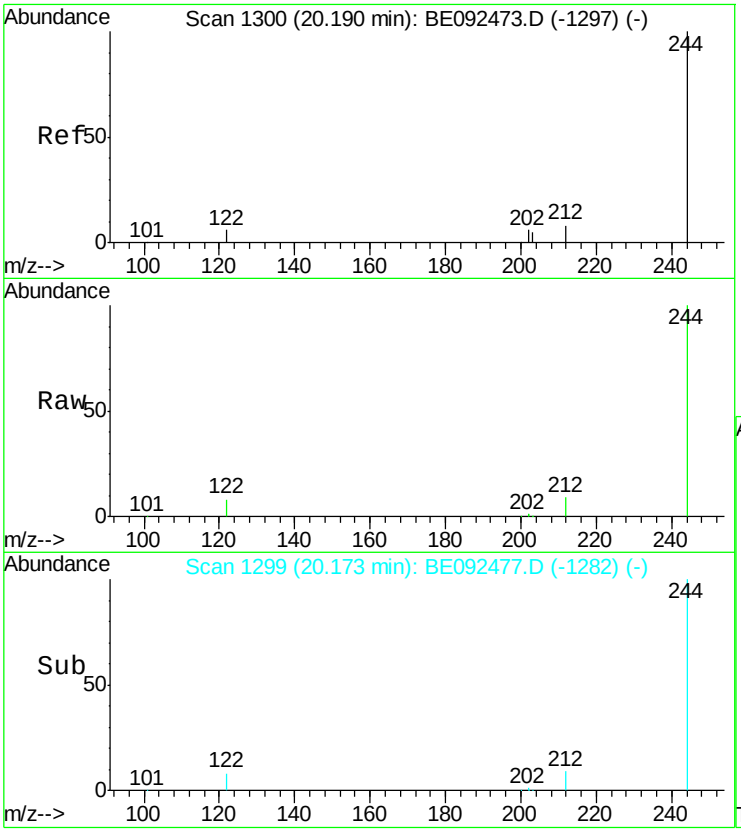


#25
Pyrene
Concen: 5.19 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:202 Resp: 395616

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.6	13.9	20.9



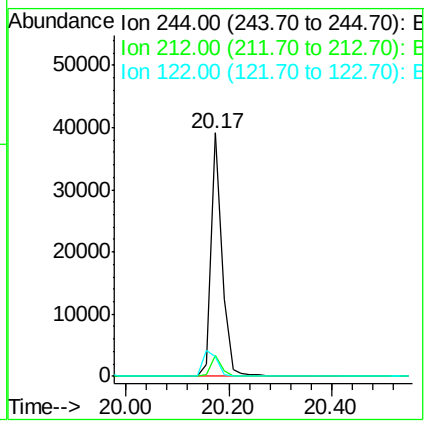


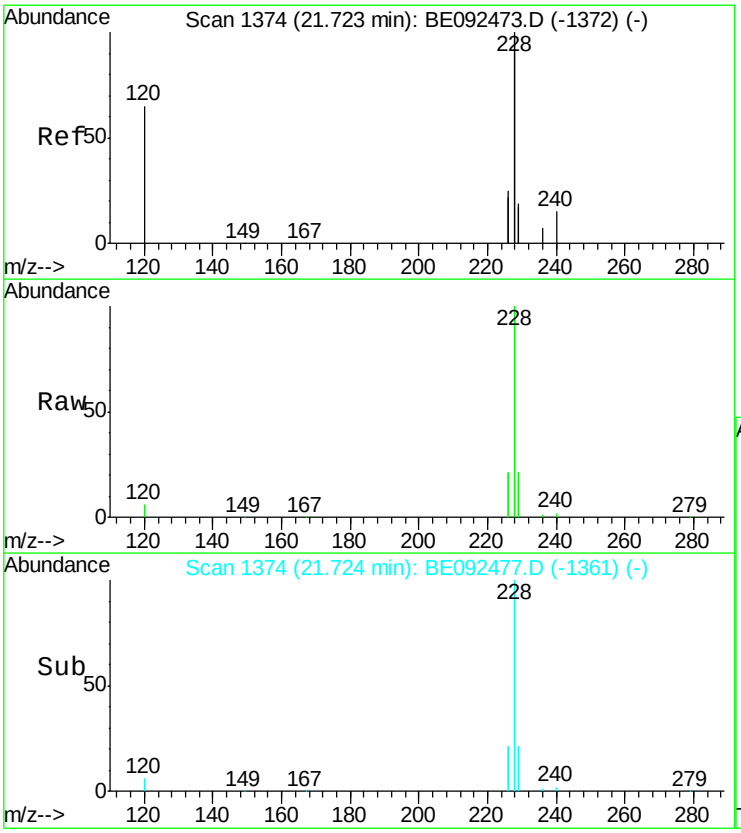
#26
Terphenyl-d14
Concen: 5.23 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 57033

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.7	10.1
122	8.0	3.6	5.4#

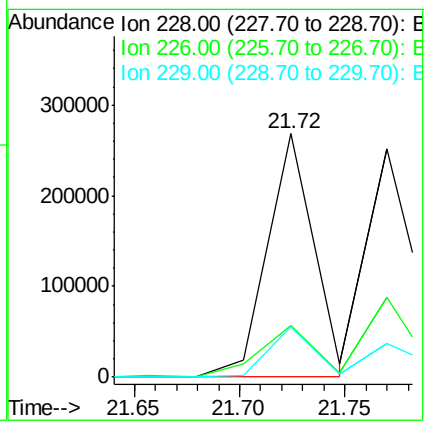


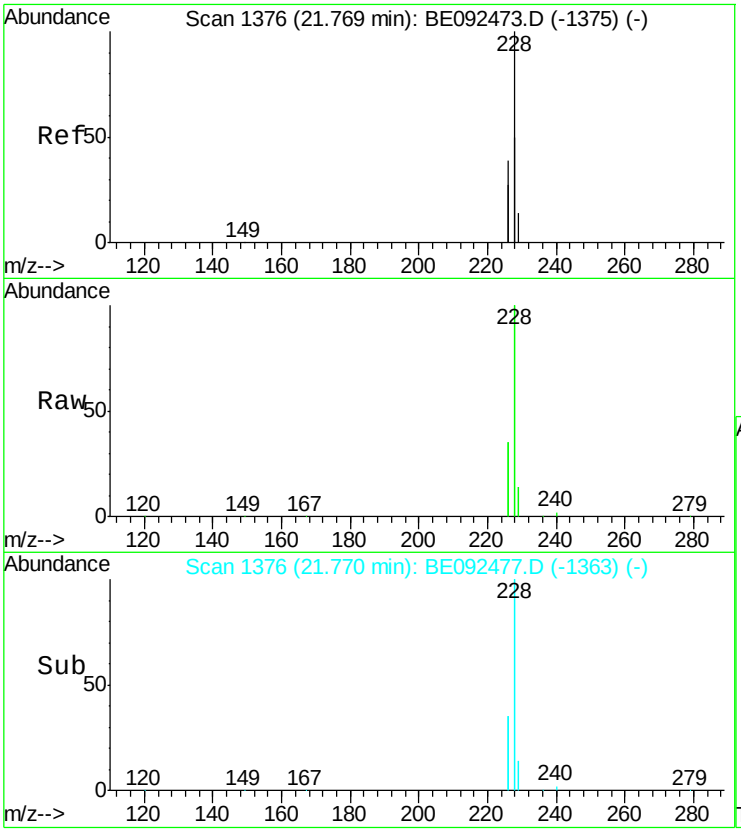


#27
Benzo(a)anthracene
Concen: 4.77 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:228 Resp: 408967

Ion	Ratio	Lower	Upper
228	100		
226	21.1	23.6	35.4#
229	20.9	13.3	19.9#



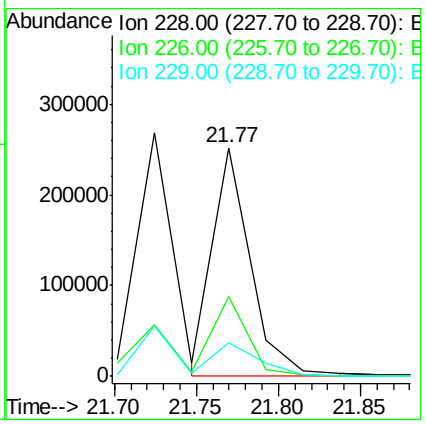


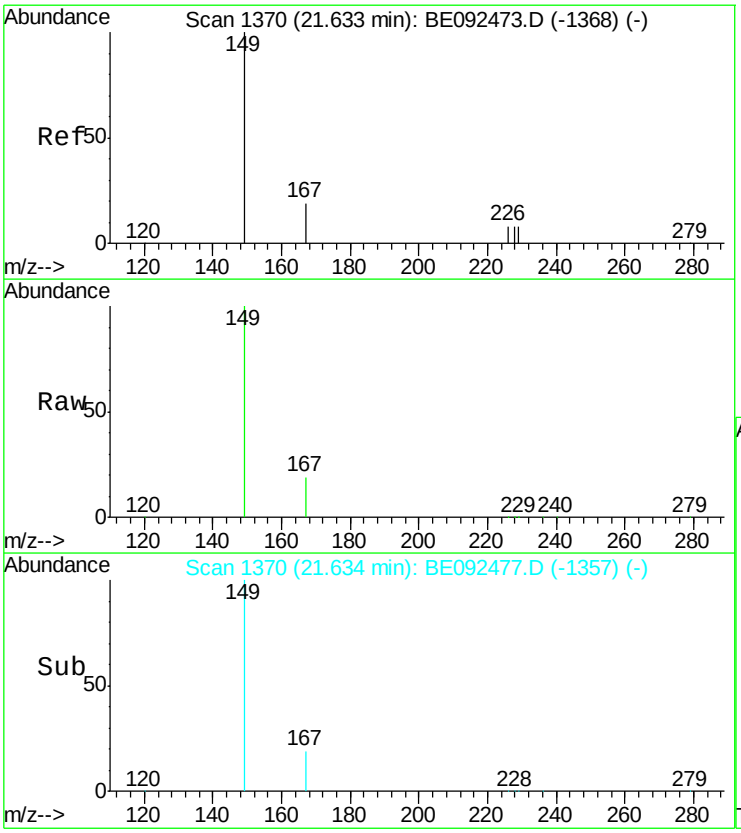
#28
Chrysene
Concen: 5.22 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 409504

Ion	Ratio	Lower	Upper
228	100		
226	35.0	36.3	54.5#
229	14.5	10.6	16.0

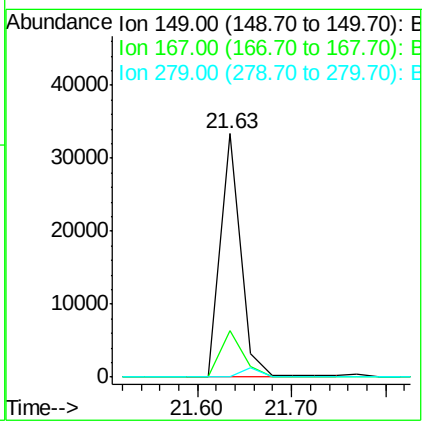


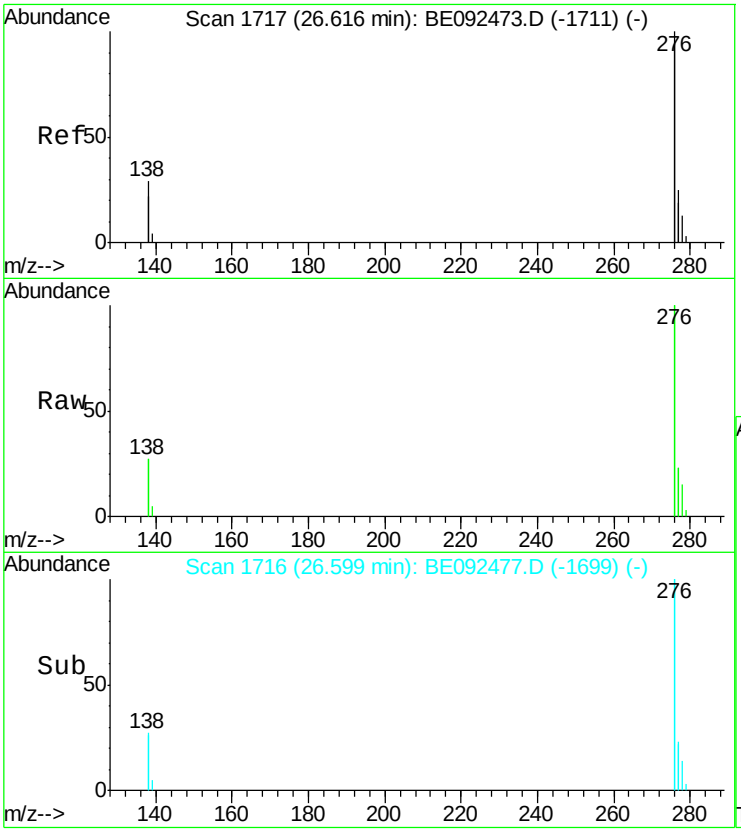


#29
Bis(2-ethylhexyl)phthalate
Concen: 6.81 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:149 Resp: 50252

Ion	Ratio	Lower	Upper
149	100		
167	21.1	16.0	24.0
279	0.0	16.0	24.0#



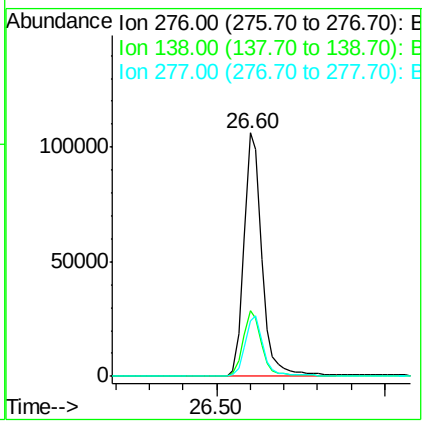


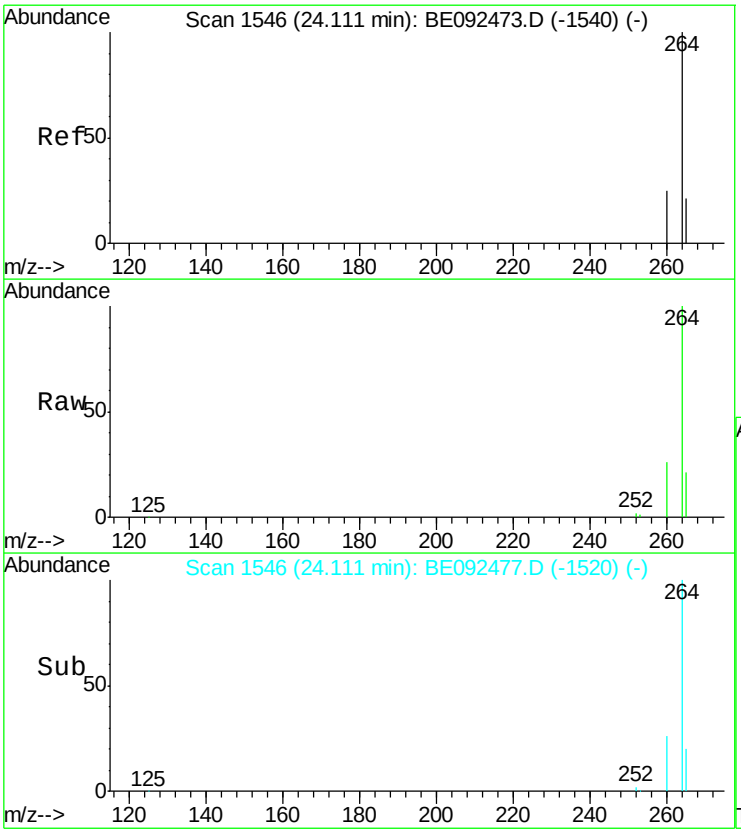
#30
Indeno(1,2,3-cd)pyrene
Concen: 4.72 ng
RT: 26.60 min Scan# 1716
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 393176

Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.3	30.5
277	24.8	19.7	29.5

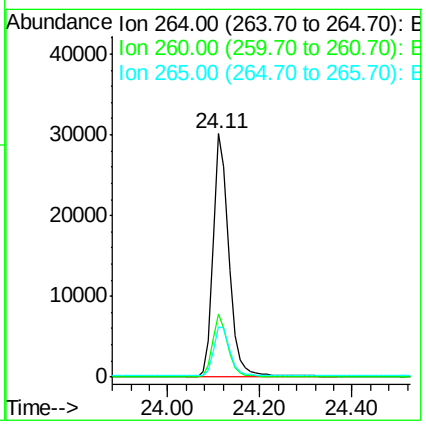


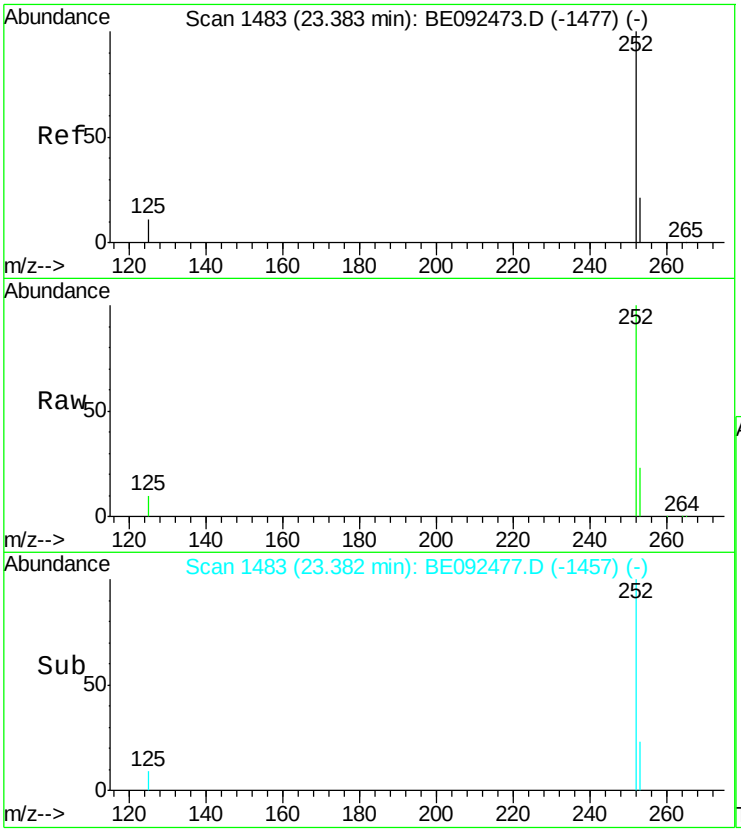


#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:264 Resp: 71113

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.1	30.1
265	20.7	17.9	26.9



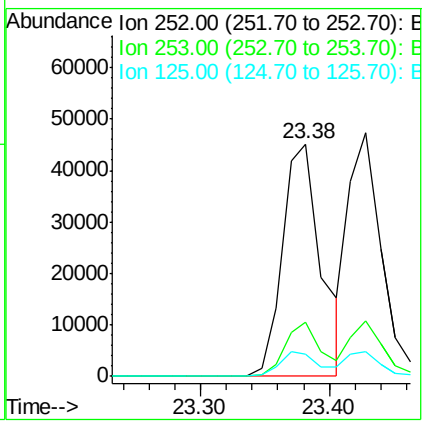


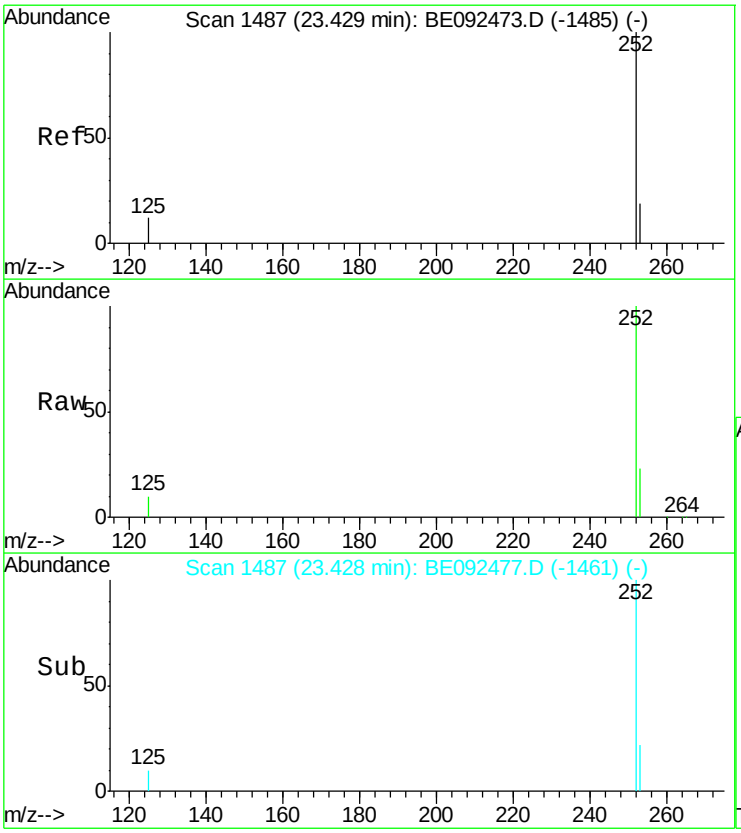
#32
Benzo(b)fluoranthene
Concen: 5.48 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 94367

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	9.6	10.5	15.7#

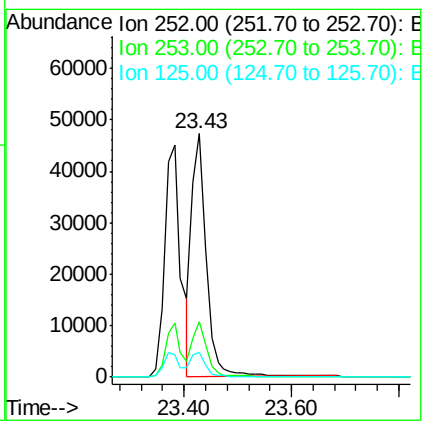


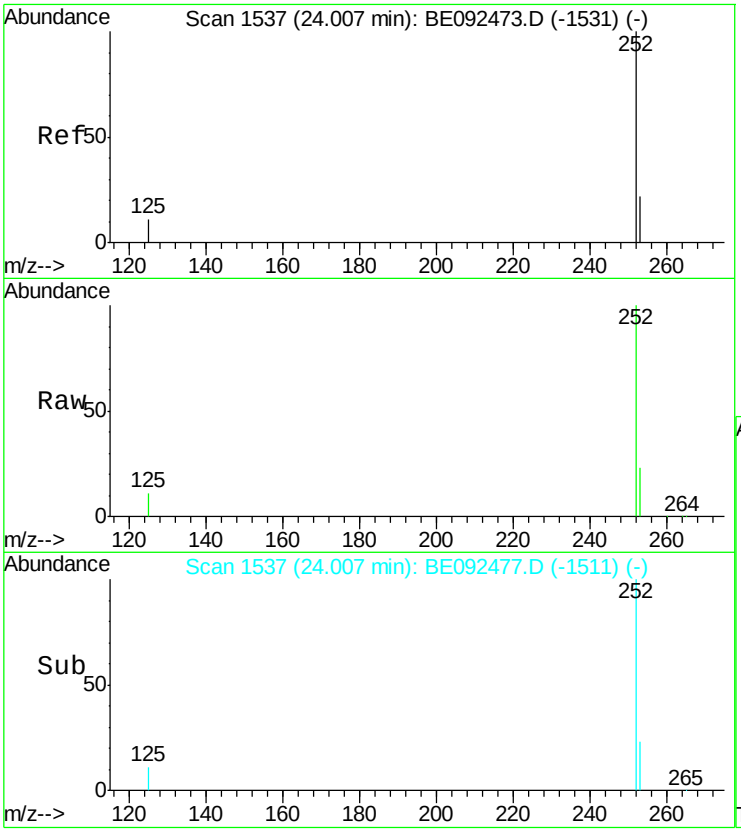


#33
Benzo(k)fluoranthene
Concen: 4.85 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:252 Resp: 87357

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.3	30.5
125	10.1	9.6	14.4



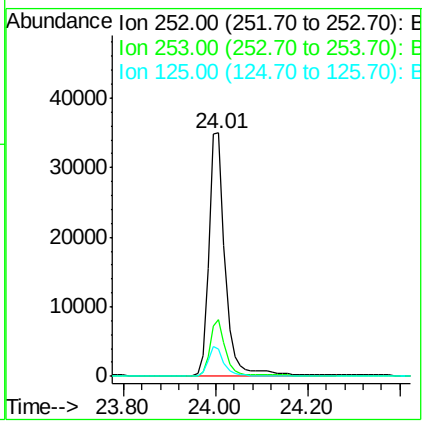


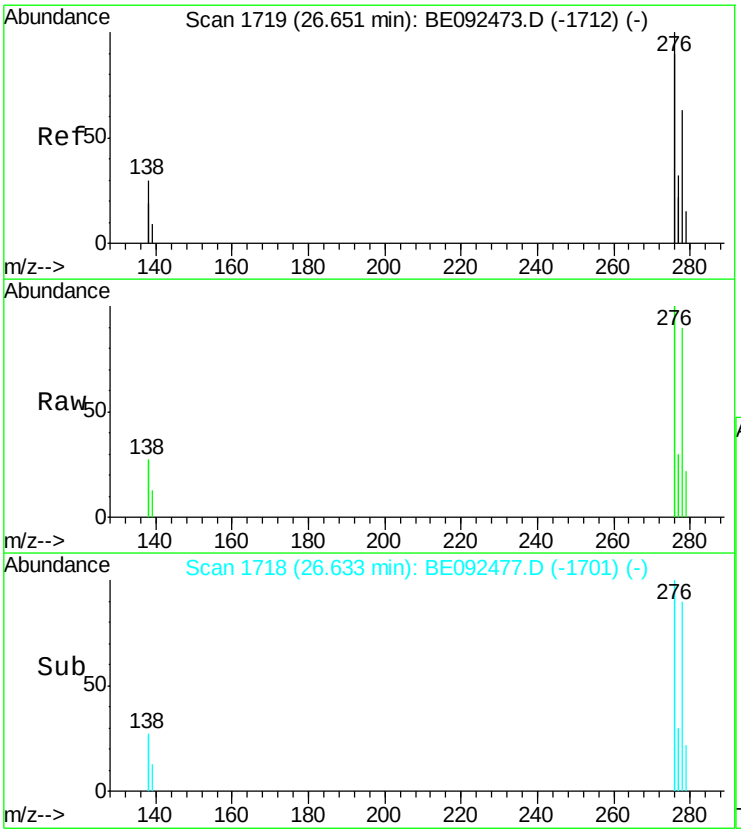
#34
Benzo(a)pyrene
Concen: 5.06 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 85451

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	11.0	11.8	17.8#

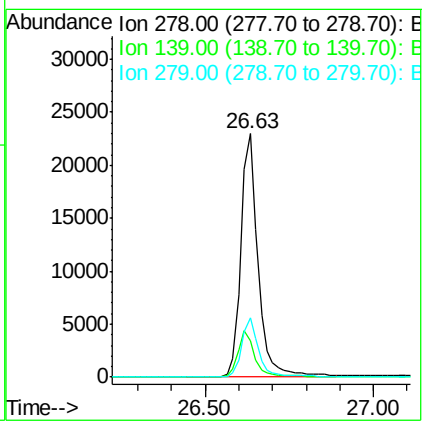


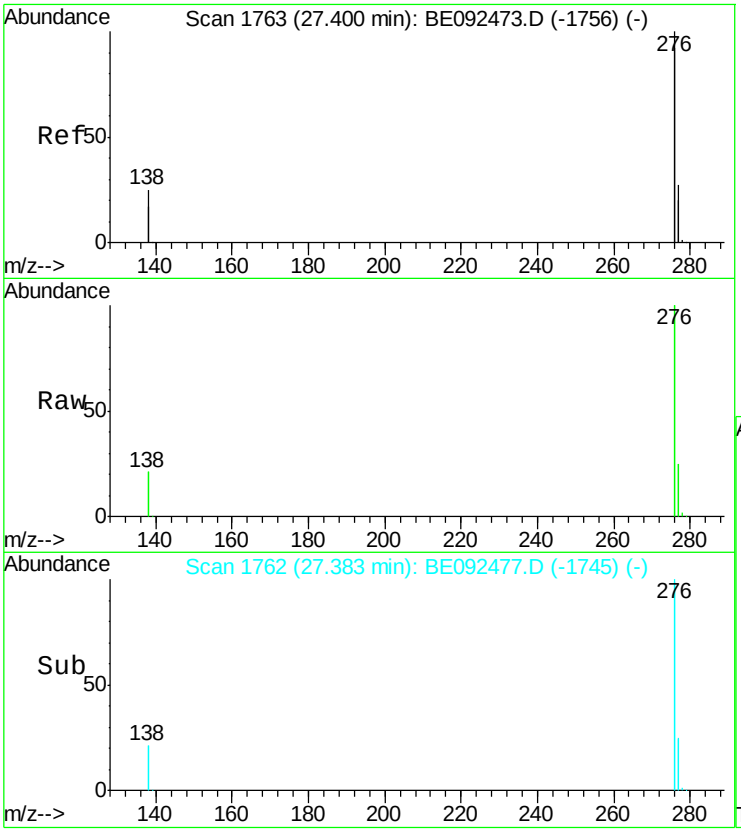


#35
Dibenzo(a,h)anthracene
Concen: 5.24 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Tgt Ion:278 Resp: 81010

Ion	Ratio	Lower	Upper
278	100		
139	14.9	13.8	20.8
279	24.4	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 5.01 ng
RT: 27.38 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092477.D
Acq: 25 Oct 2016 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 333237

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	21.2	19.8	29.6