Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102516\
Data File : BE092476.D
Acq On : 25 Oct 2016 12:17
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC3.2

Quant Time: Oct 25 13:06:19 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 12:49:43 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10172	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	51769	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	36616	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	72041	5.00	ng		-0.02
24) Chrysene-d12	21.75	240	87739	5.00	ng		0.00
31) Perylene-d12	24.11	264	72585	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	5994	2.95	ng		-0.02
5) Phenol-d6	7.34	99	8976	3.18	ng		-0.02
8) Nitrobenzene-d5	9.34	82	10456	3.38	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	3149	2.98	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	28362	3.27	ng		-0.01
26) Terphenyl-d14	20.17	244	37084	3.41	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	3400	2.63	ng		92
3) n-Nitrosodimethylamine	3.76	42	4776	4.00	ng		94
6) bis(2-Chloroethyl)ether	7.59	93	8103	3.26	ng	#	27
9) Naphthalene	10.99	128	33515	2.99	ng	#	95
10) Hexachlorobutadiene	11.28	225	4956	2.81	ng		100
11) 2-Methylnaphthalene	12.62	142	22635	3.05	ng	#	88
15) Acenaphthylene	14.53	152	165374	3.12	ng		100
16) Acenaphthene	14.87	154	24721	2.98	ng		93
17) Fluorene	15.86	166	31963	3.04	ng		99
19) Hexachlorobenzene	16.89	284	9576	3.11	ng	#	63
20) Pentachlorophenol	17.23	266	2749	3.81	ng	#	86
21) Phenanthrene	17.60	178	58283	3.52	ng	#	95
22) Anthracene	17.70	178	55815	3.51	ng		100
23) Fluoranthene	19.61	202	228270	2.90	ng		99
25) Pyrene	19.97	202	248406	3.27	ng		100
27) Benzo(a)anthracene	21.72	228	250267m	2.93	ng		
28) Chrysene	21.77	228	262856m	3.36	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	29409	3.99	ng	#	77
30) Indeno(1,2,3-cd)pyrene	26.60	276	242163	2.91	ng		98
32) Benzo(b)fluoranthene	23.38	252	59963	3.41	ng	#	97
33) Benzo(k)fluoranthene	23.43	252	53788	2.92	ng		95
34) Benzo(a)pyrene	23.99	252	53711	3.12	ng		94
35) Dibenzo(a,h)anthracene	26.63	278	49508	3.13	ng		95
36) Benzo(g,h,i)perylene	27.37	276	206197	3.04	ng		98

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

Quantitation Report (QT Reviewed)

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Acq On : 25 Oct 2016 12:17
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Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
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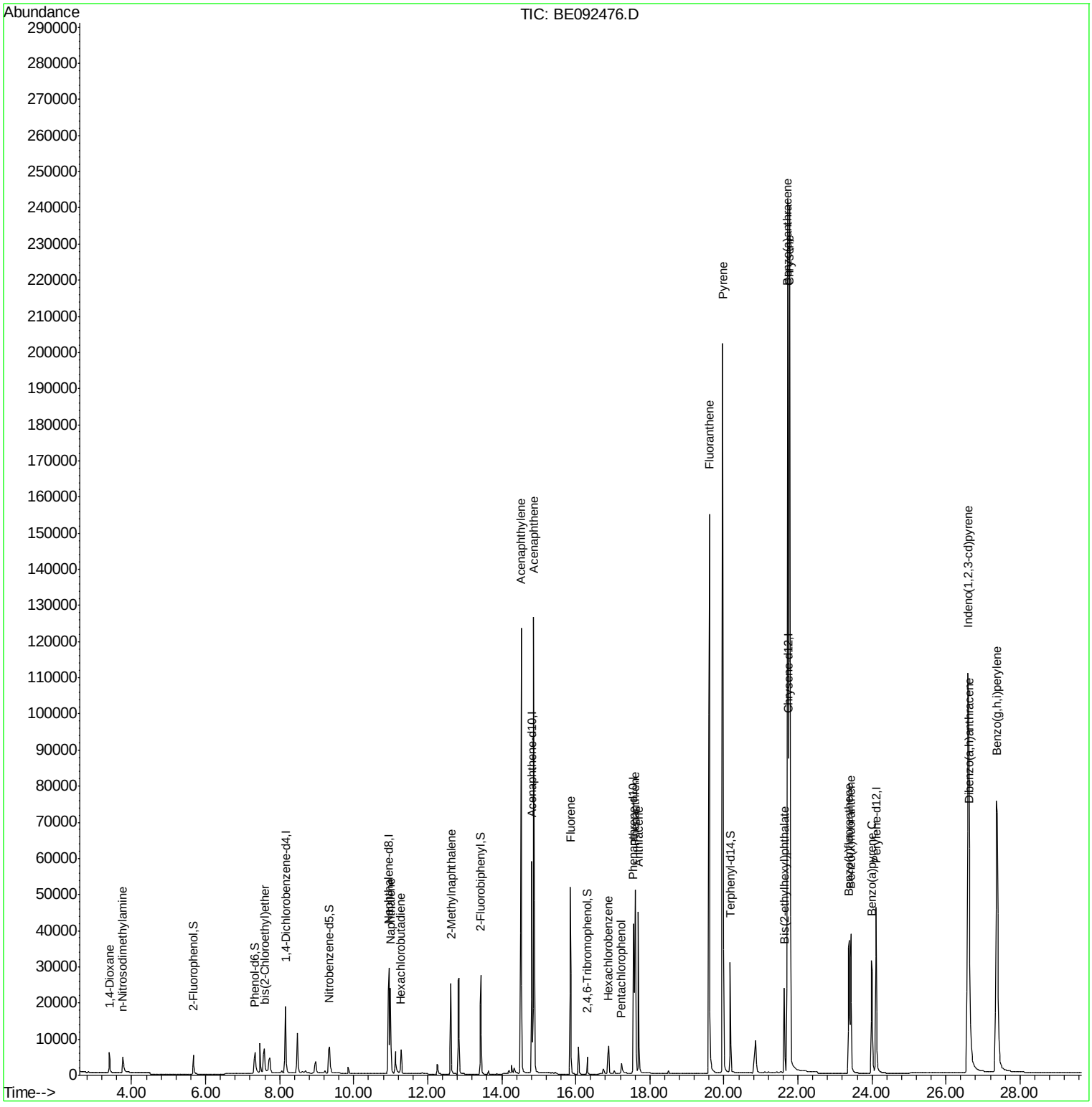
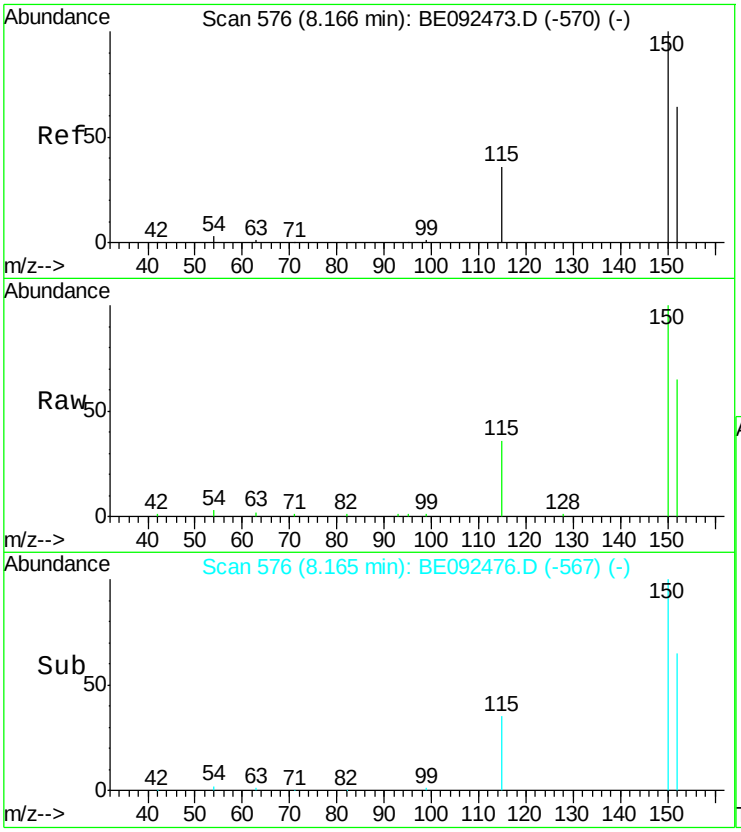
SSTDICC3.2

Quant Time: Oct 25 13:06:19 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 12:49:43 2016
Response via : Initial Calibration



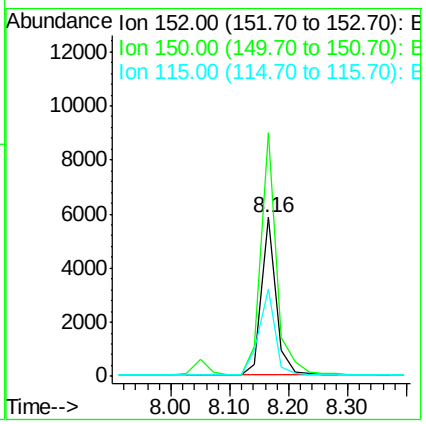


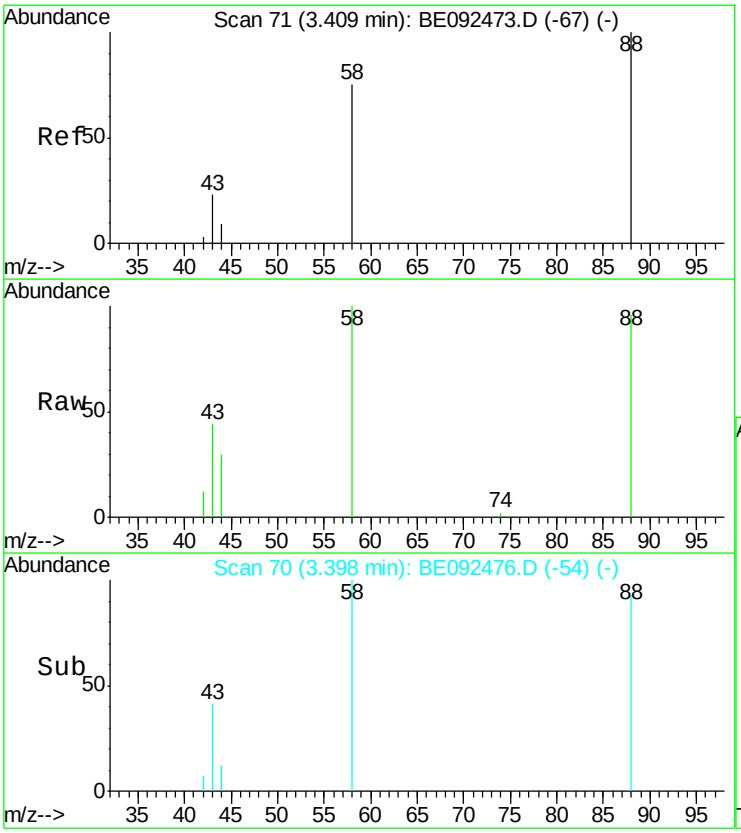
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 10172

Ion	Ratio	Lower	Upper
152	100		
150	153.3	106.0	159.0
115	54.9	31.2	46.8#

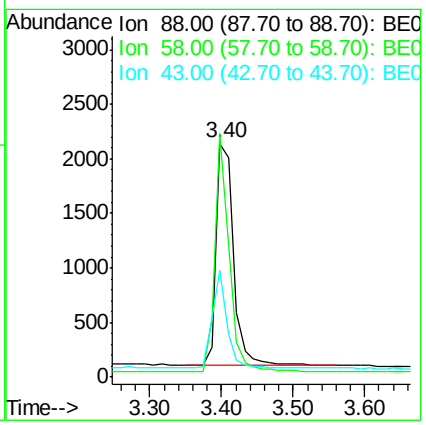


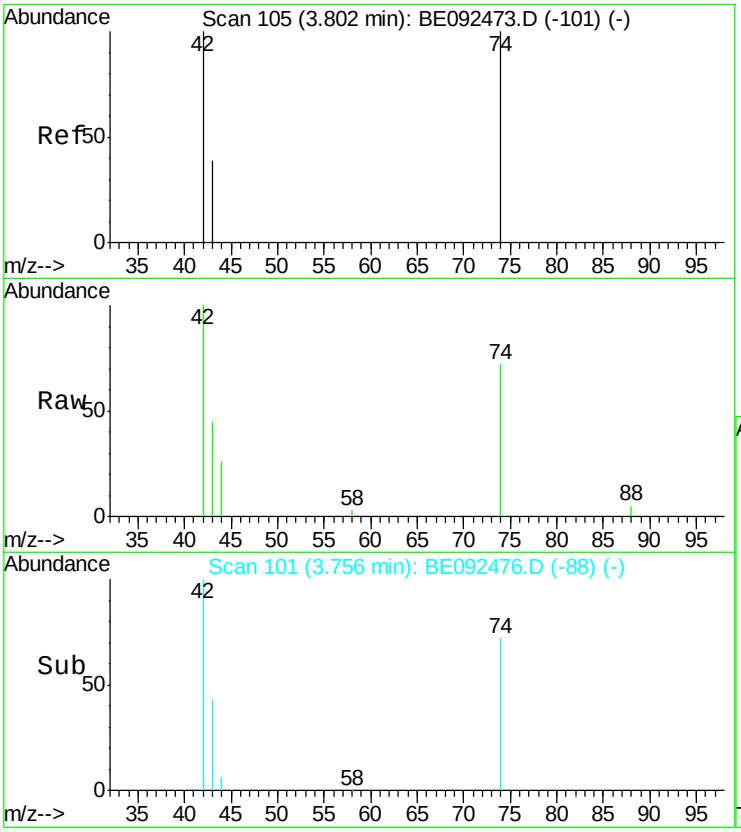


#2
1,4-Dioxane
Concen: 2.63 ng
RT: 3.40 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion: 88 Resp: 3400

Ion	Ratio	Lower	Upper
88	100		
58	88.5	63.6	95.4
43	37.3	28.0	42.0



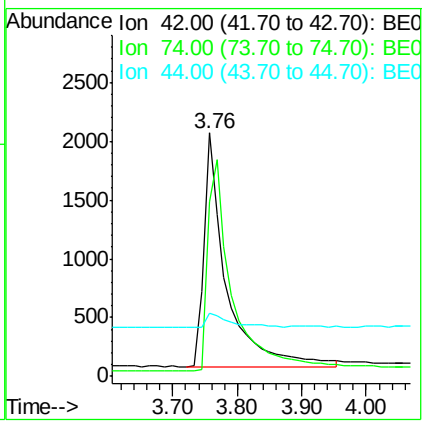


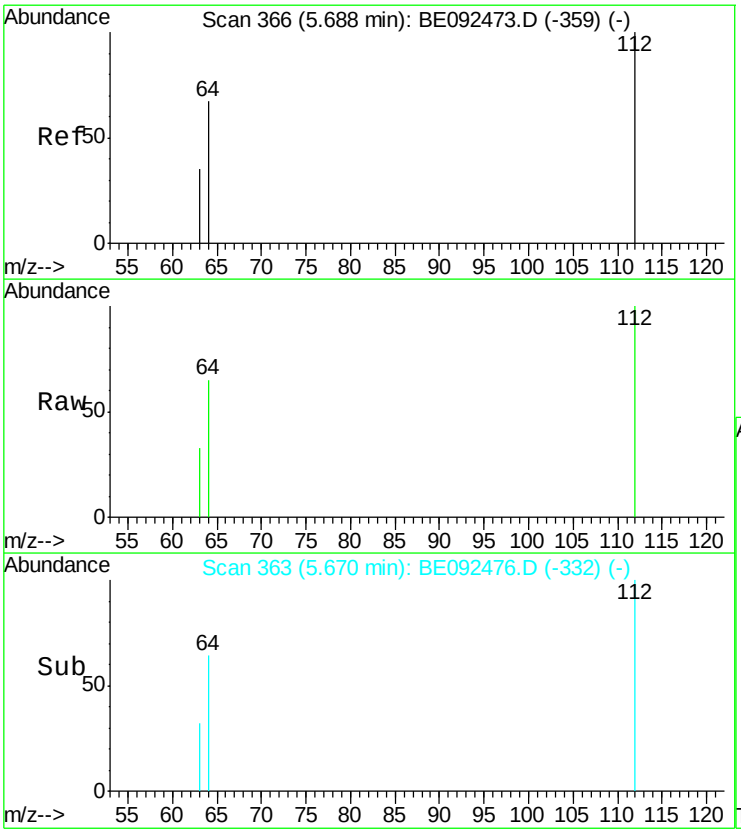
#3
n-Nitrosodimethylamine
Concen: 4.00 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.05 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 4776

Ion	Ratio	Lower	Upper
42	100		
74	101.2	86.0	129.0
44	7.0	5.1	7.7

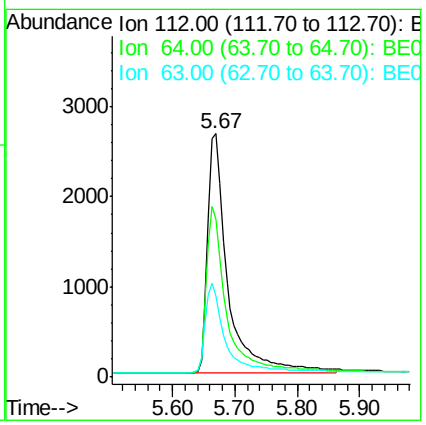


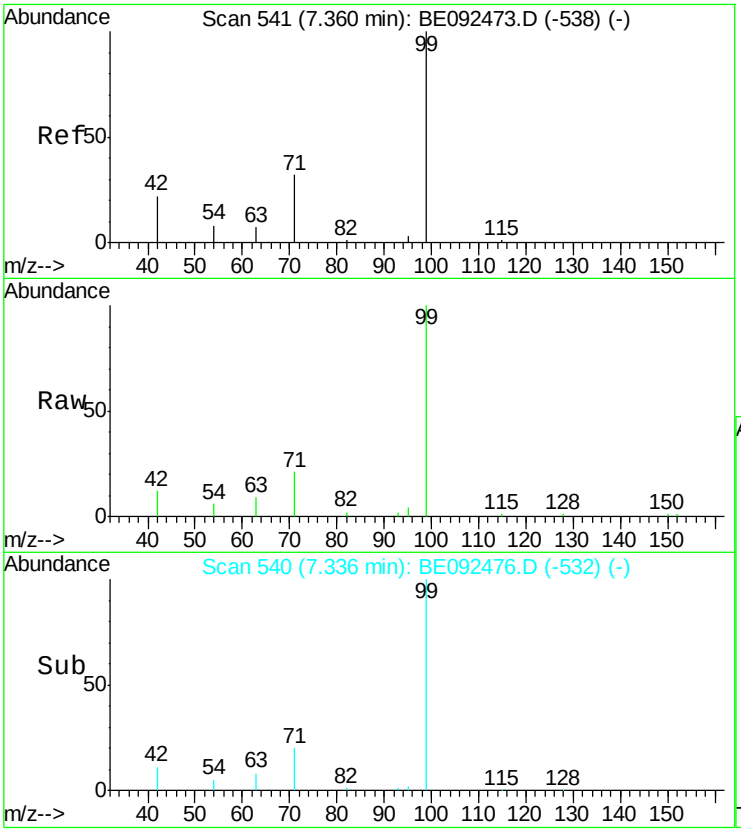


#4
2-Fluorophenol
Concen: 2.95 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:112 Resp: 5994

Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.5	80.3
63	36.9	27.9	41.9



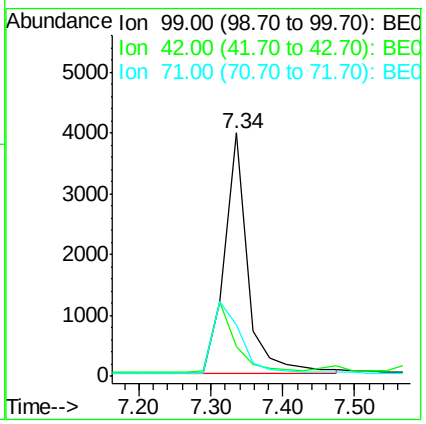


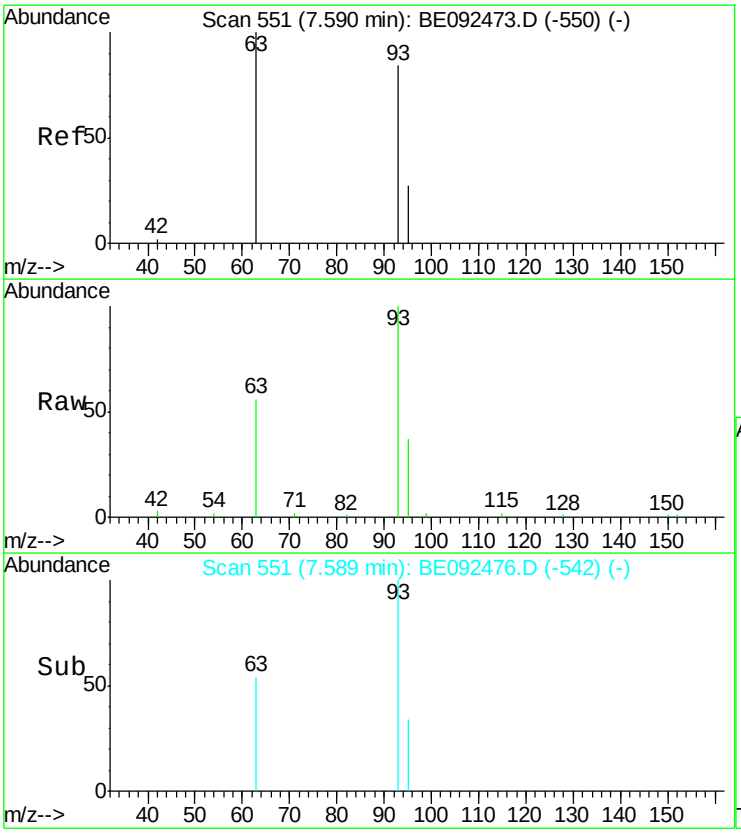
#5
Phenol-d6
Concen: 3.18 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 8976

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

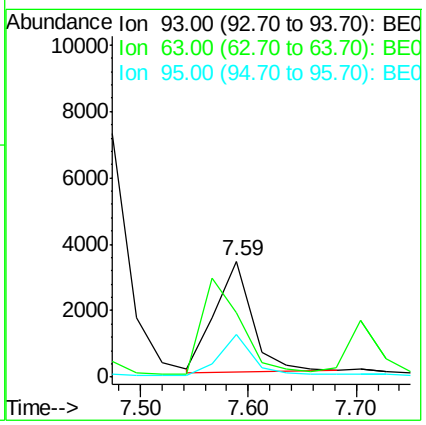


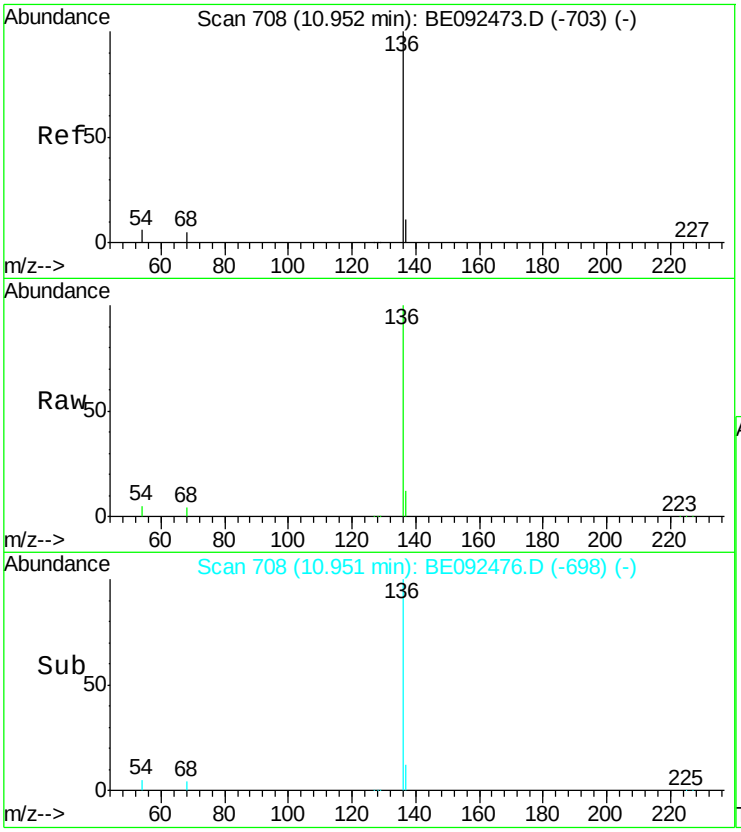


#6
bis(2-Chloroethyl)ether
Concen: 3.26 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion: 93 Resp: 8103

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	34.3	24.0	36.0



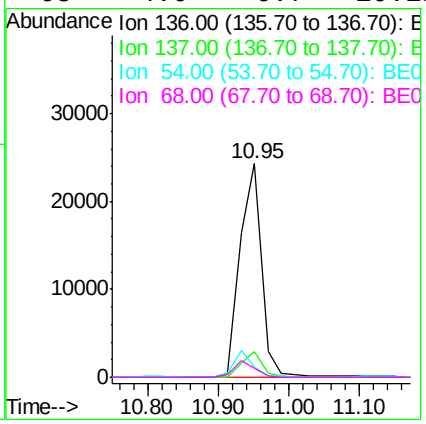


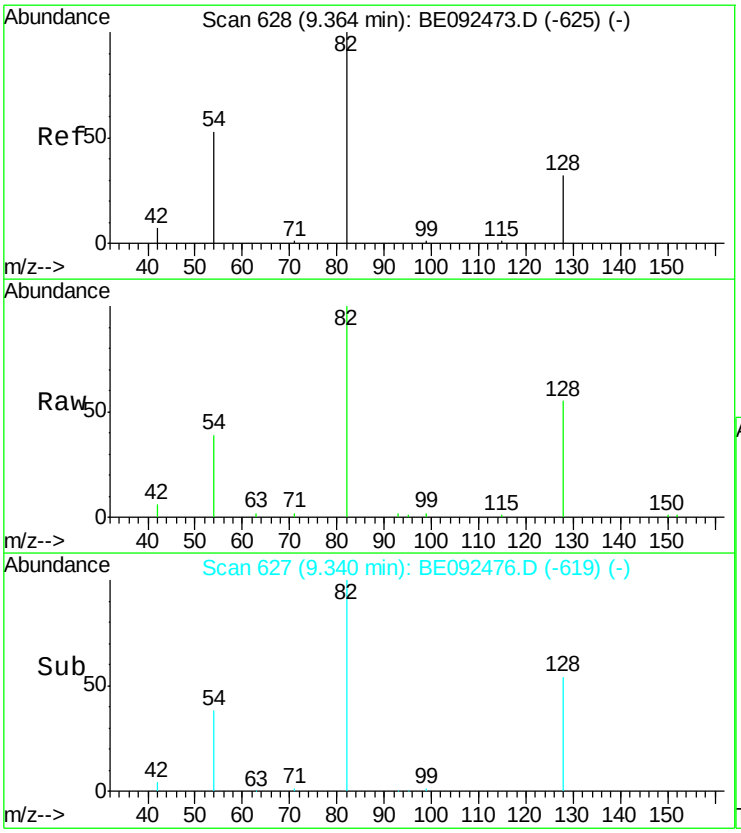
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 51769

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.4
54	5.0	9.6	14.4#
68	4.0	6.7	10.1#

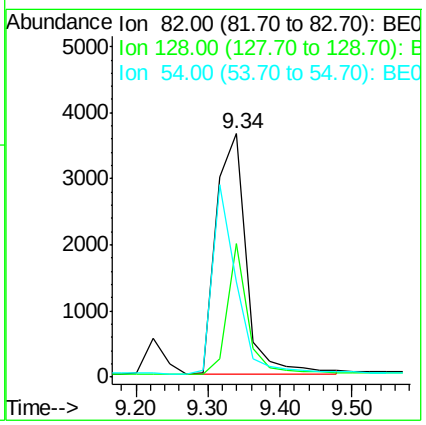


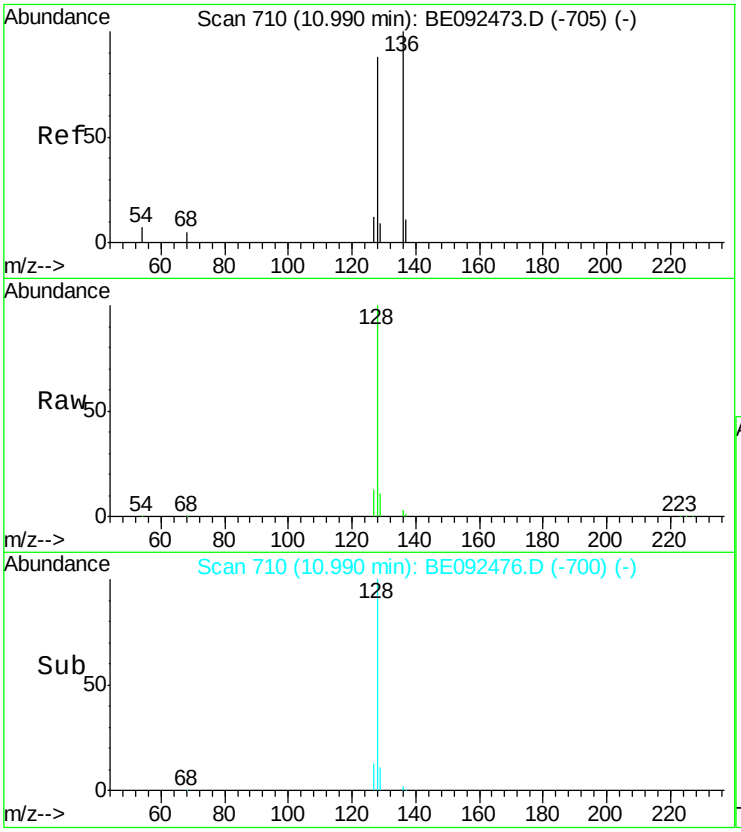


#8
Nitrobenzene-d5
Concen: 3.38 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion: 82 Resp: 10456

Ion	Ratio	Lower	Upper
82	100		
128	54.6	39.0	58.4
54	39.1	44.8	67.2#



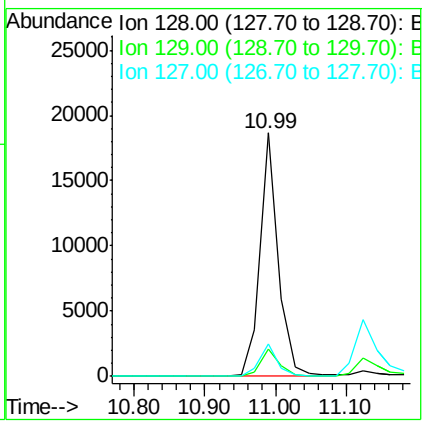


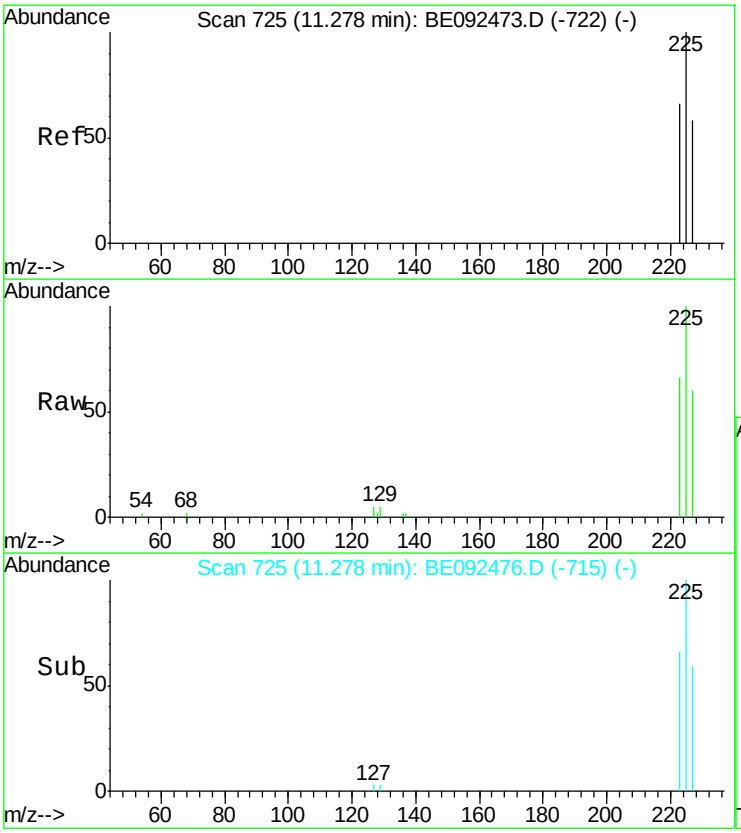
#9
Naphthalene
Concen: 2.99 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 33515

Ion	Ratio	Lower	Upper
128	100		
129	11.1	11.2	16.8#
127	13.2	11.6	17.4

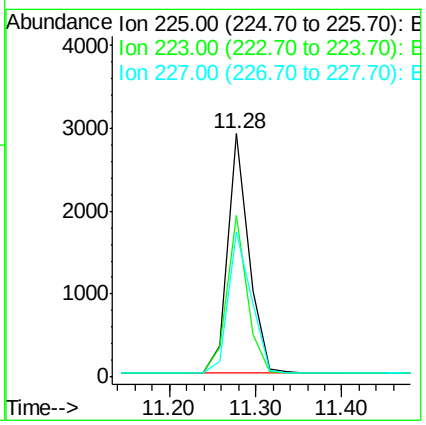


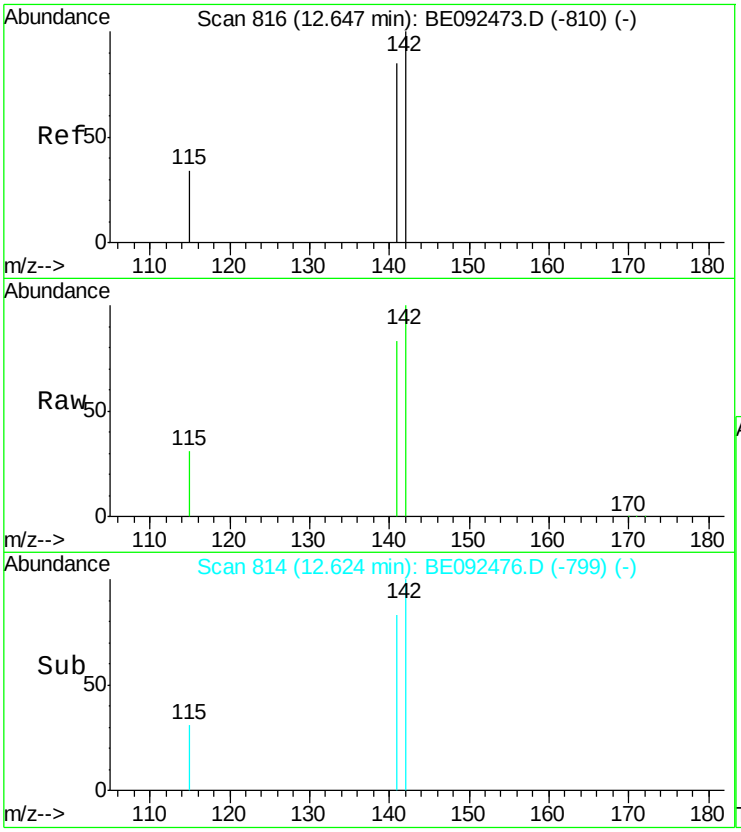


#10
Hexachlorobutadiene
Concen: 2.81 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:225 Resp: 4956

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	63.7	51.4	77.0



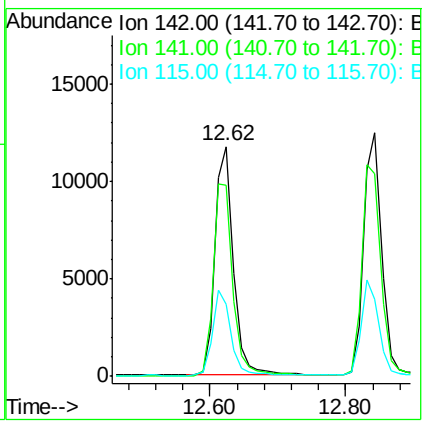


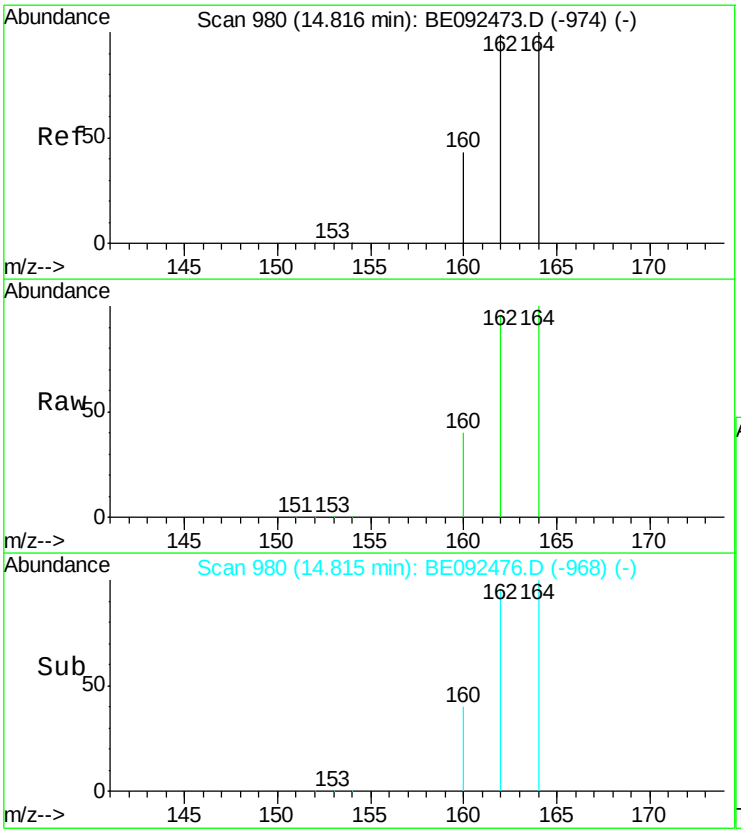
#11
2-Methylnaphthalene
Concen: 3.05 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:142 Resp: 22635

Ion	Ratio	Lower	Upper
142	100		
141	83.3	73.7	110.5
115	31.3	34.0	51.0#

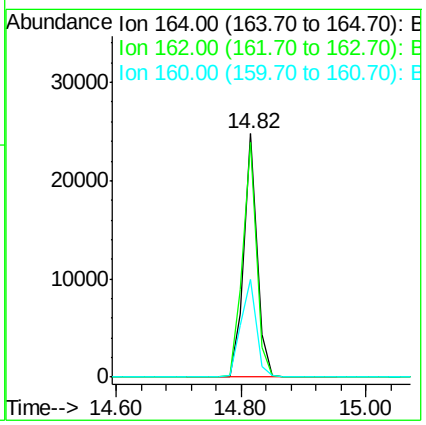


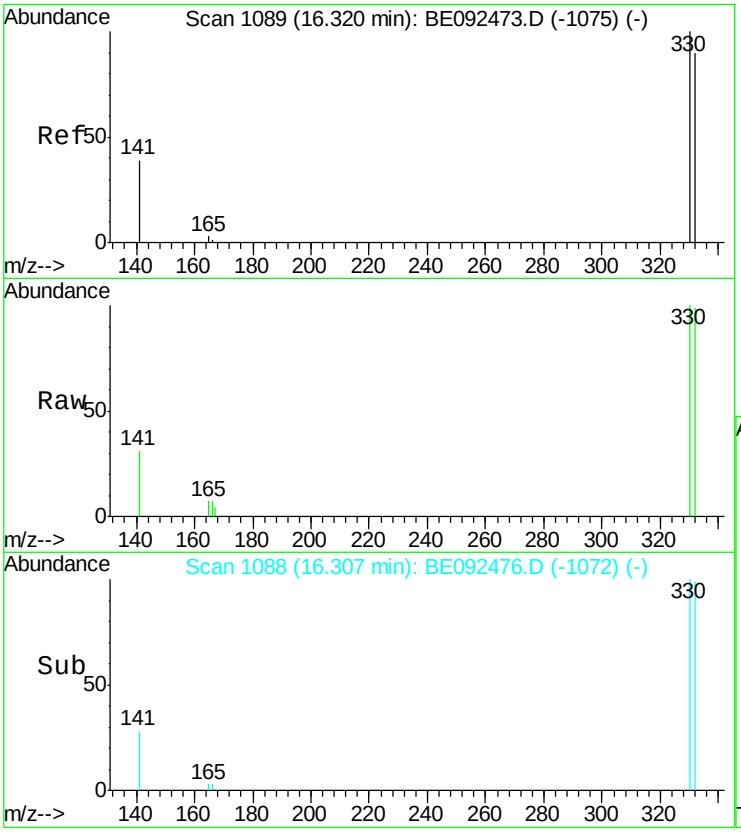


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:164 Resp: 36616

Ion	Ratio	Lower	Upper
164	100		
162	96.3	71.4	107.0
160	40.3	27.4	41.2



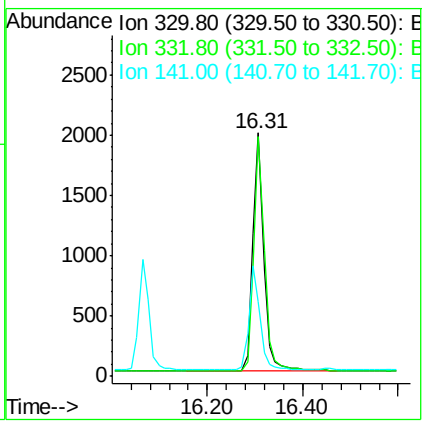


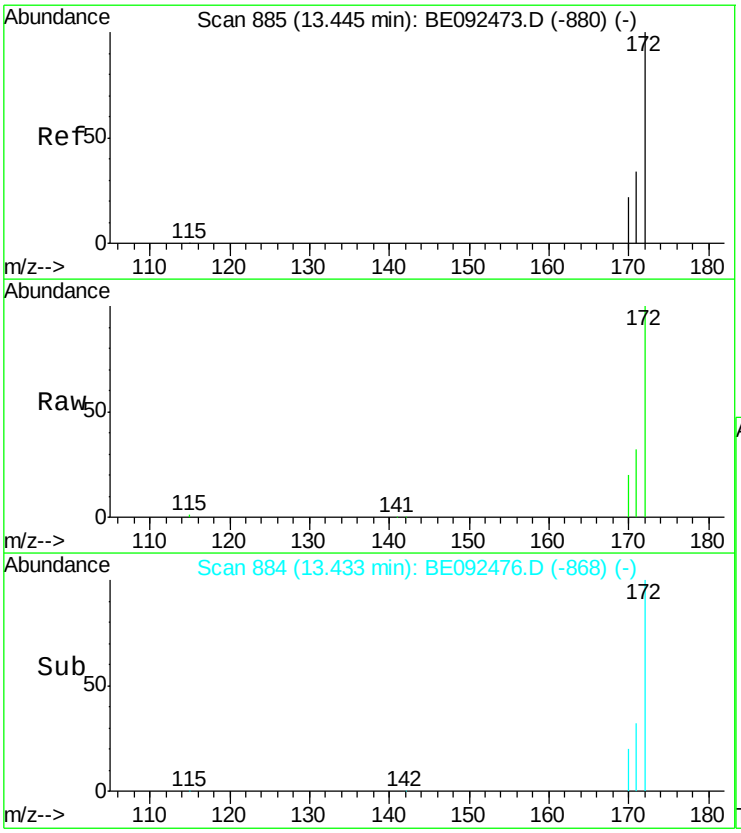
#13
2,4,6-Tribromophenol
Concen: 2.98 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:330 Resp: 3149

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	44.6	31.0	46.6

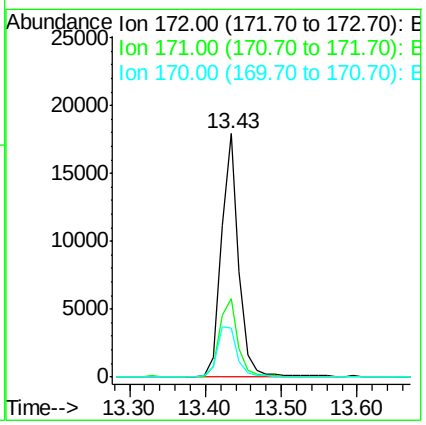


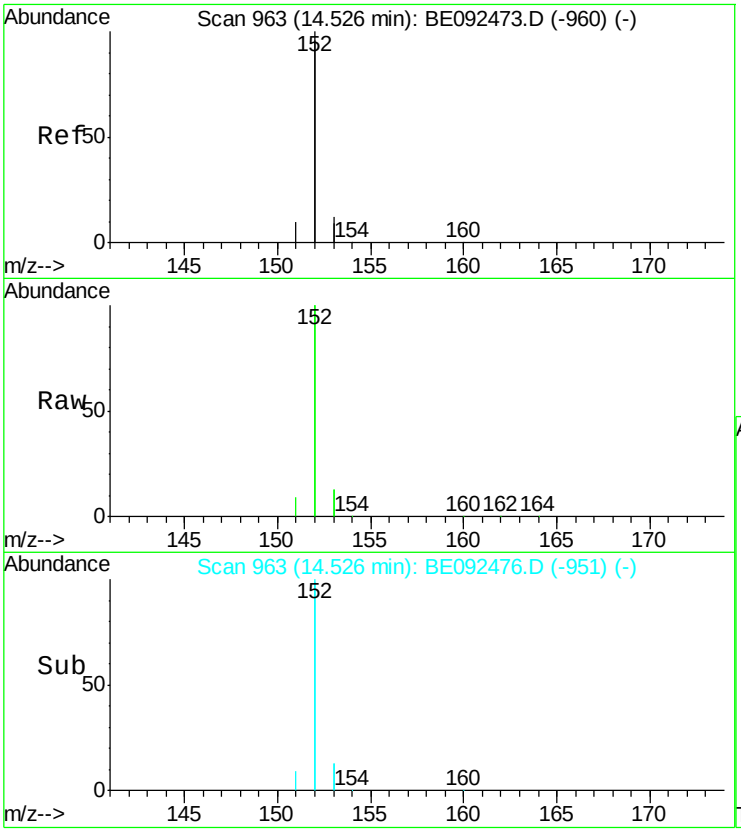


#14
2-Fluorobiphenyl
Concen: 3.27 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:172 Resp: 28362

Ion	Ratio	Lower	Upper
172	100		
171	32.5	30.1	45.1
170	20.4	21.8	32.6#



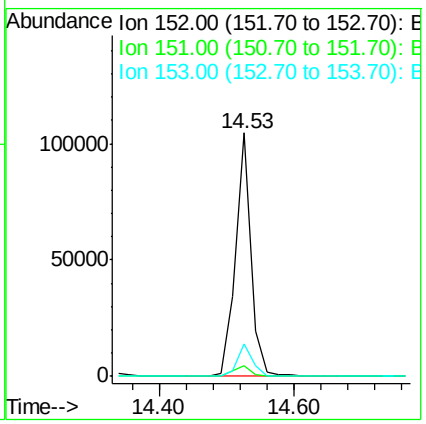


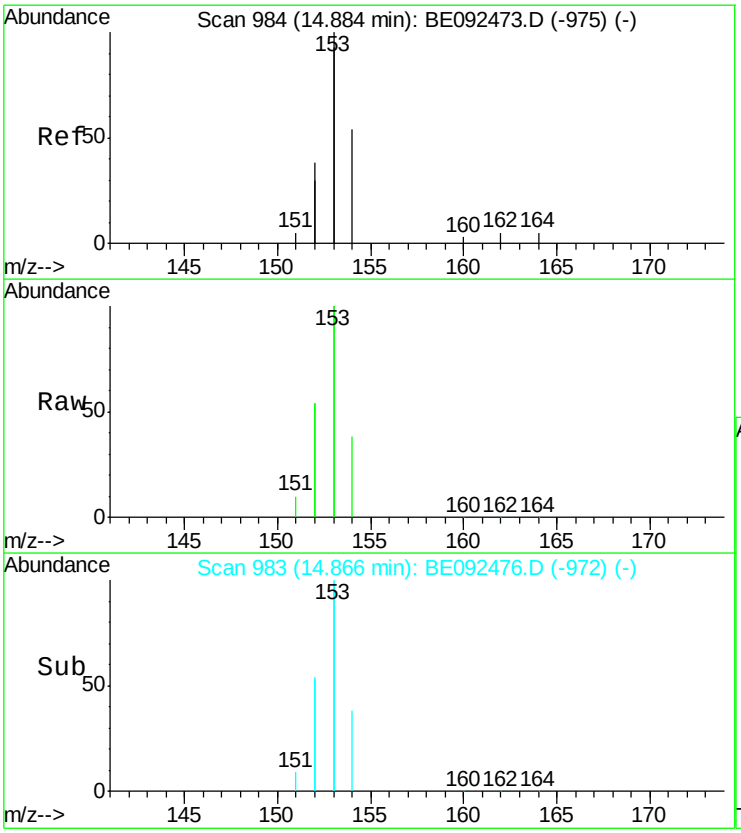
#15
Acenaphthylene
Concen: 3.12 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 165374

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

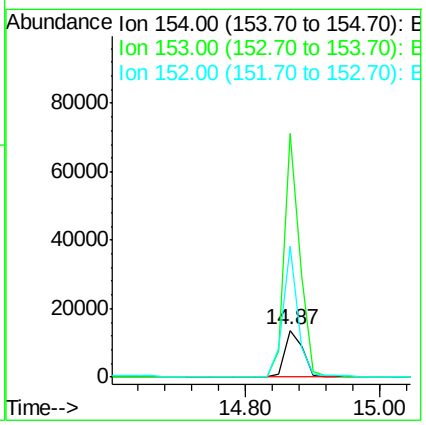


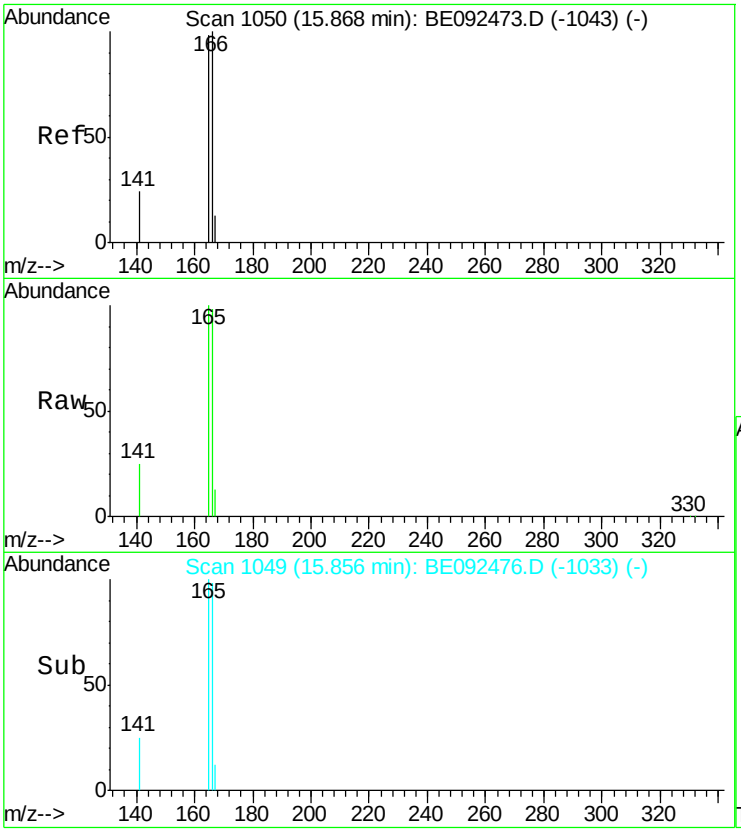


#16
Acenaphthene
Concen: 2.98 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:154 Resp: 24721

Ion	Ratio	Lower	Upper
154	100		
153	454.5	350.8	526.2
152	228.9	171.1	256.7



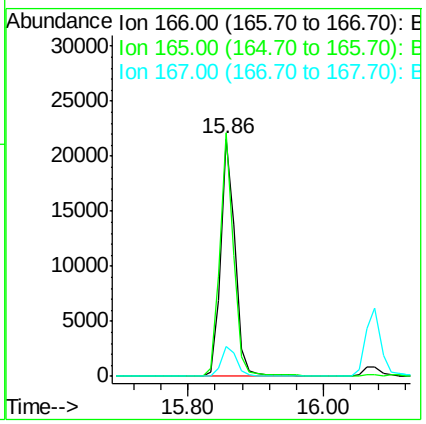


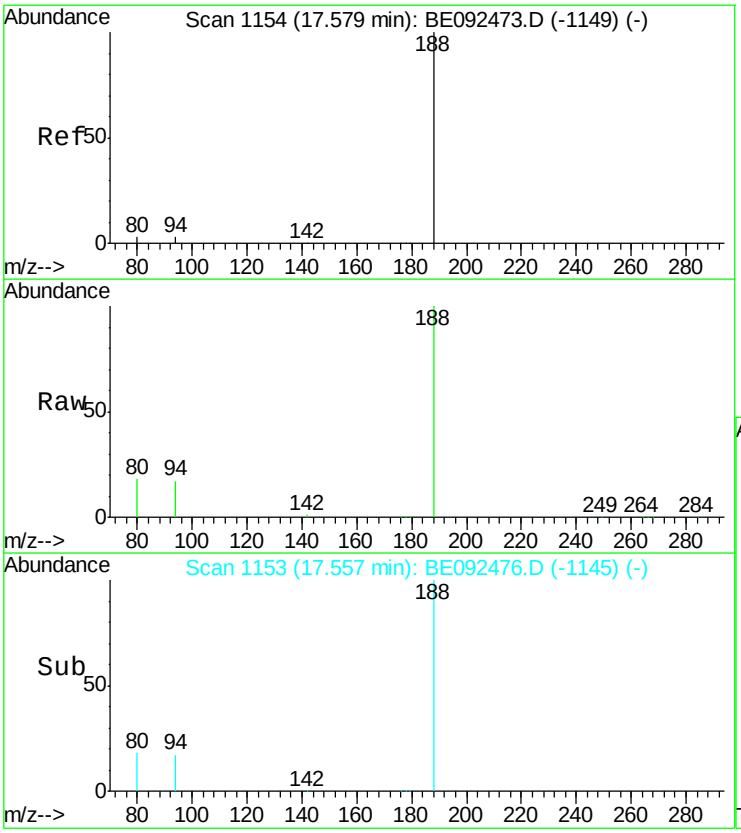
#17
Fluorene
Concen: 3.04 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:166 Resp: 31963

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	13.5	11.0	16.4

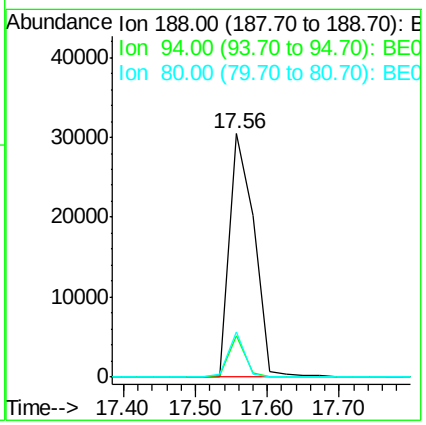


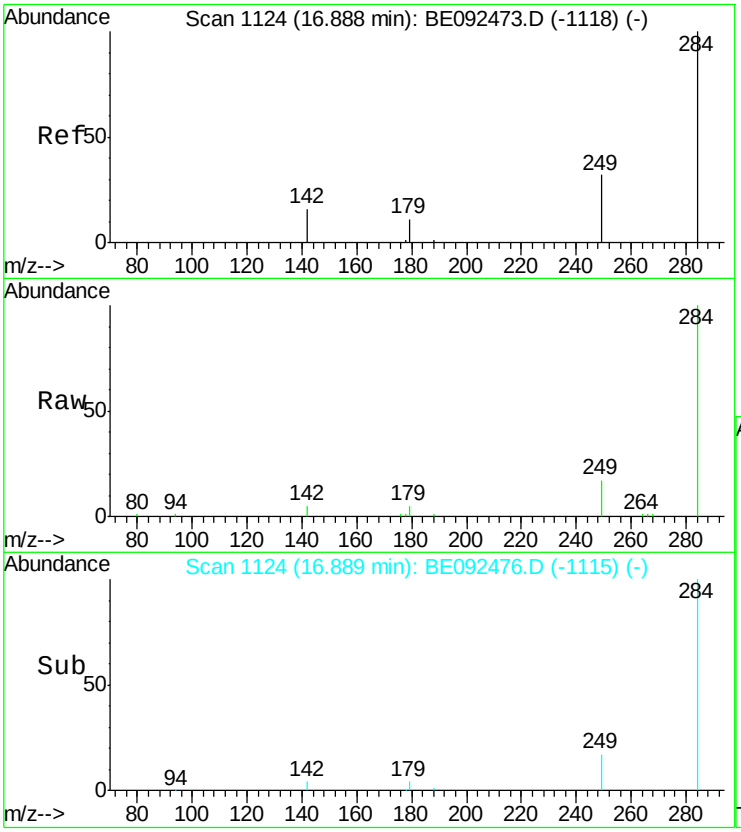


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:188 Resp: 72041

Ion	Ratio	Lower	Upper
188	100		
94	17.1	3.2	4.8#
80	18.5	2.6	3.8#



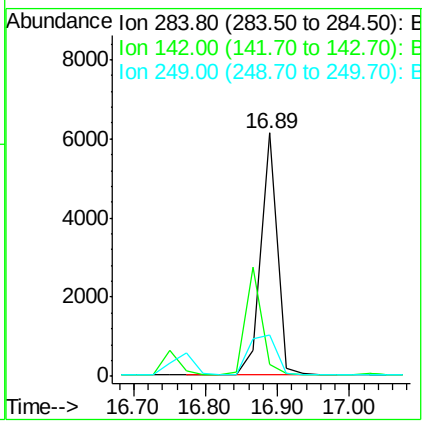


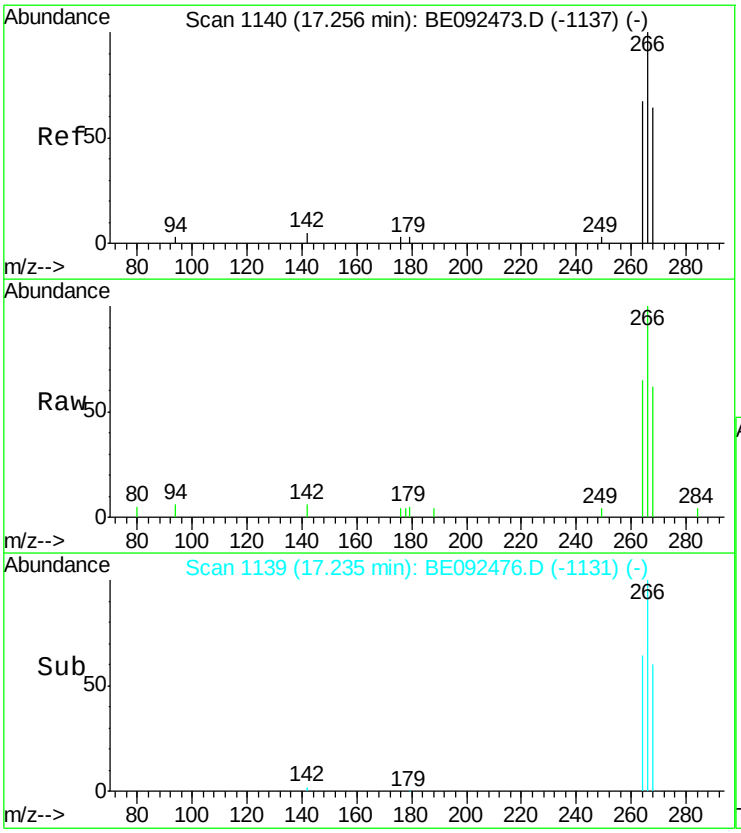
#19
Hexachlorobenzene
Concen: 3.11 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 9576

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

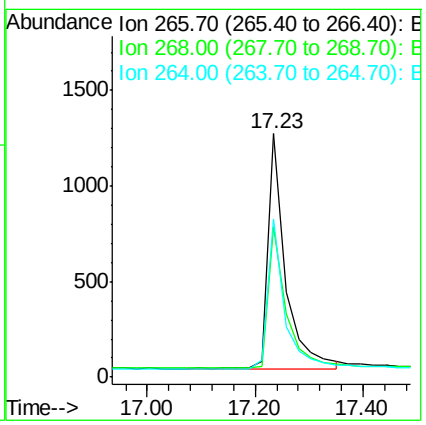


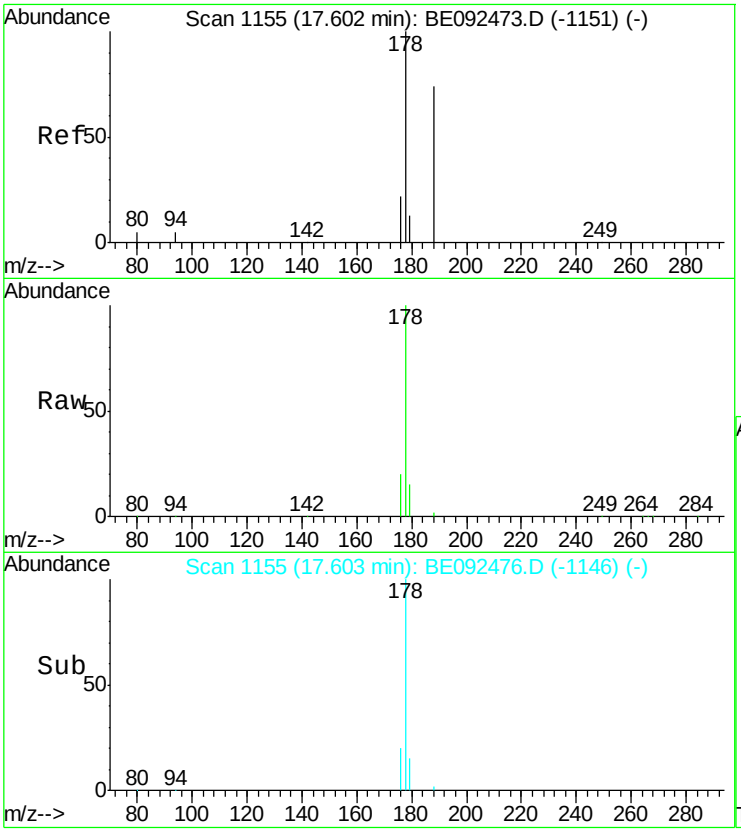


#20
Pentachlorophenol
Concen: 3.81 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:266 Resp: 2749

Ion	Ratio	Lower	Upper
266	100		
268	61.5	62.5	93.7#
264	65.1	57.2	85.8



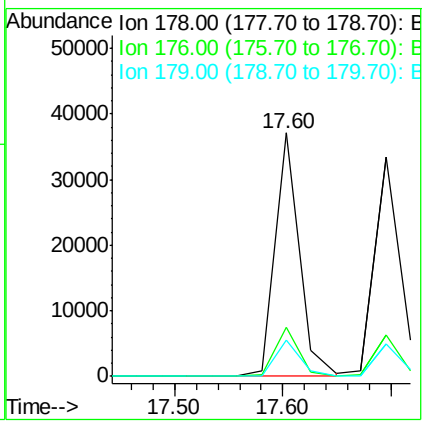


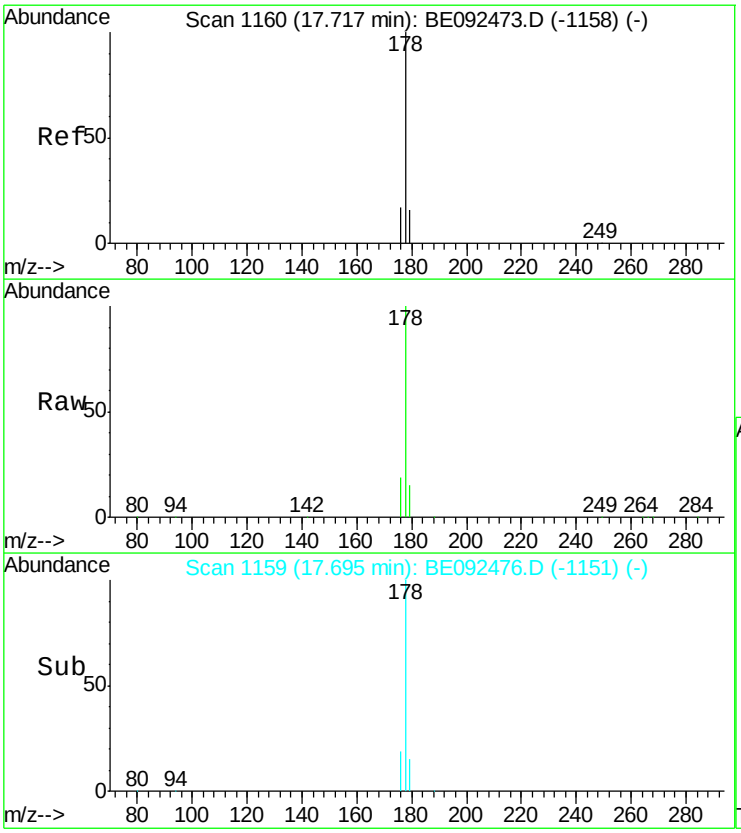
#21
Phenanthrene
Concen: 3.52 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 58283

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.2	16.0	24.0#

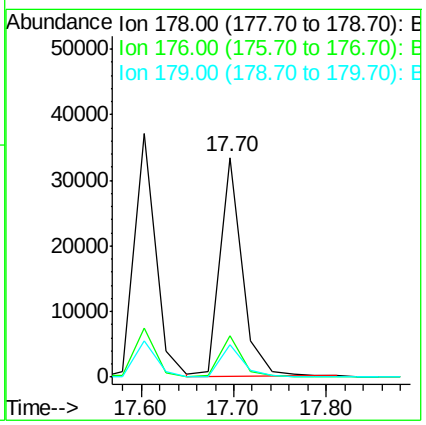


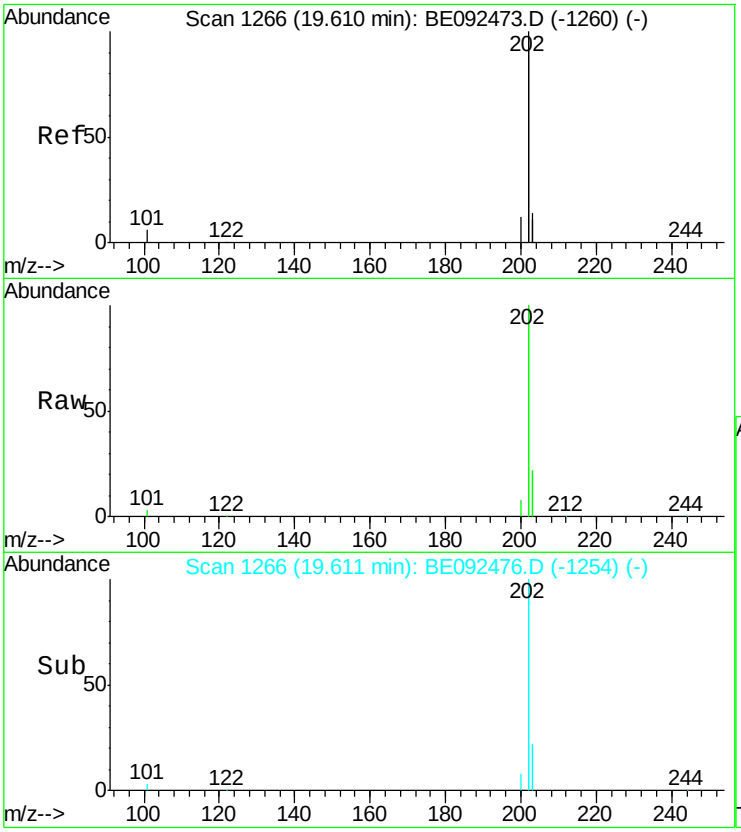


#22
Anthracene
Concen: 3.51 ng
RT: 17.70 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:178 Resp: 55815

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.2	12.2	18.2



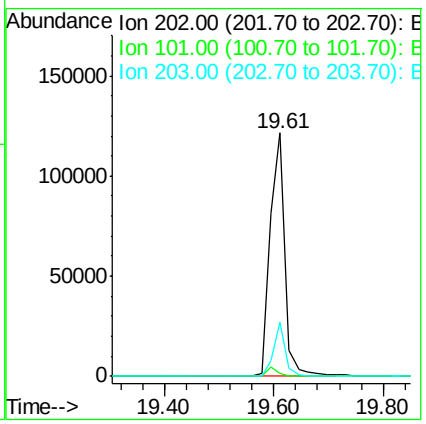


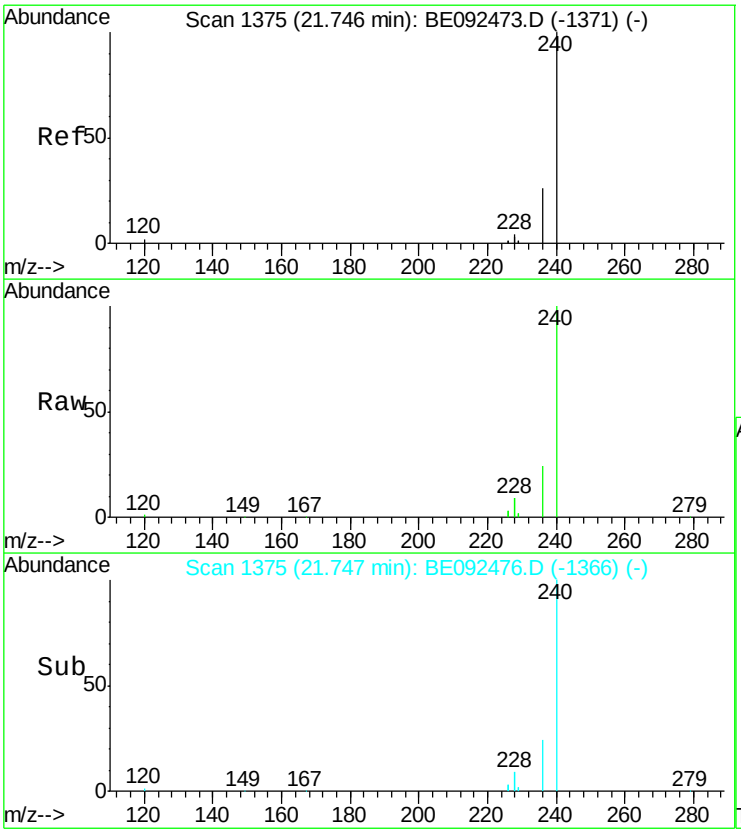
#23
Fluoranthene
Concen: 2.90 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 228270

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.7	13.7	20.5

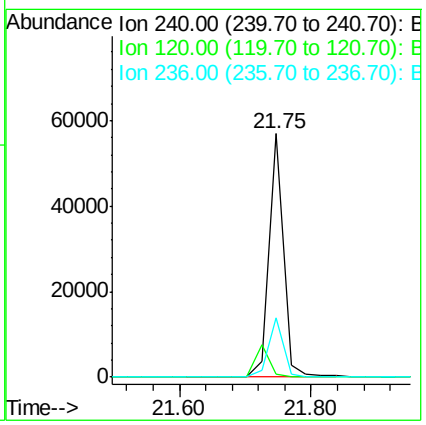


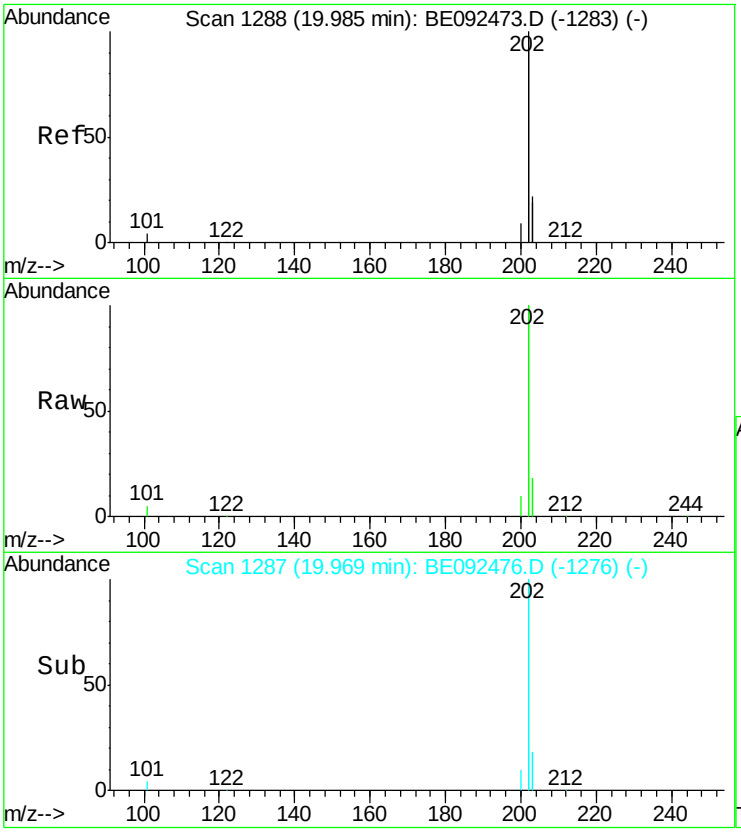


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:240 Resp: 87739

Ion	Ratio	Lower	Upper
240	100		
120	1.1	2.6	4.0#
236	24.3	24.6	37.0#



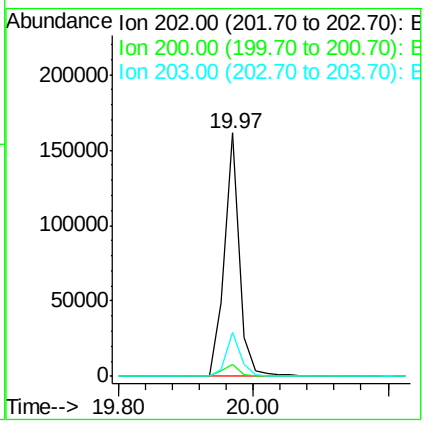


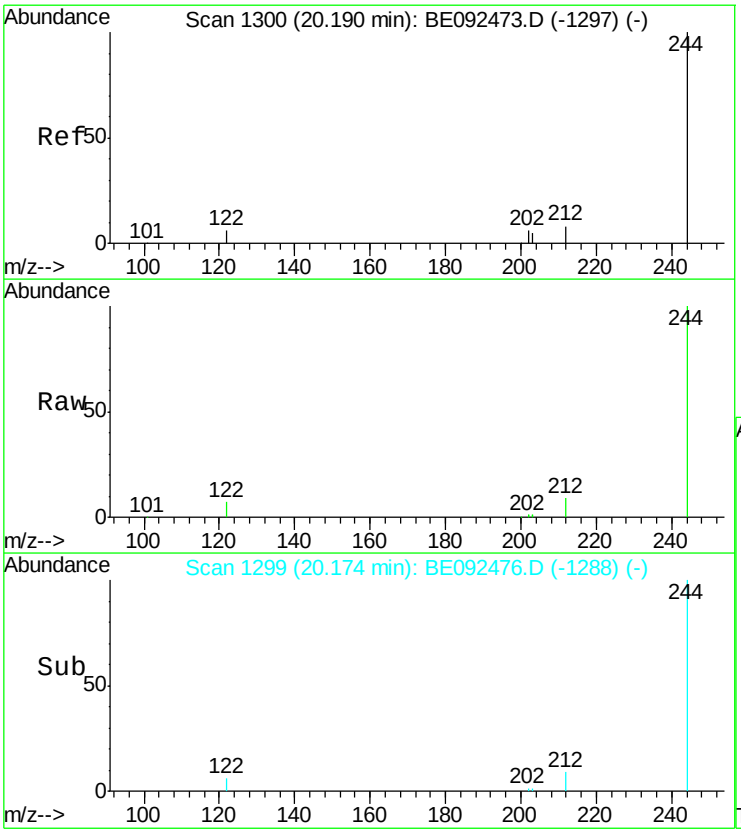
#25
Pyrene
Concen: 3.27 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 248406

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.5	13.9	20.9

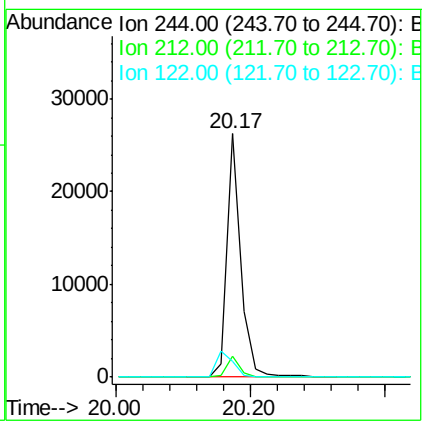


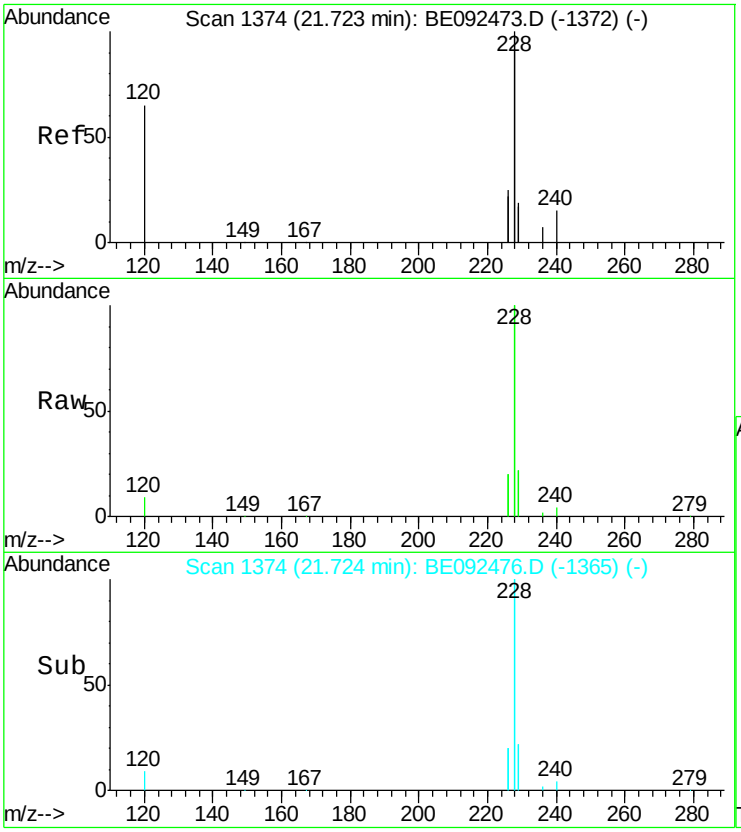


#26
Terphenyl-d14
Concen: 3.41 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:244 Resp: 37084

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.7	10.1
122	6.5	3.6	5.4#



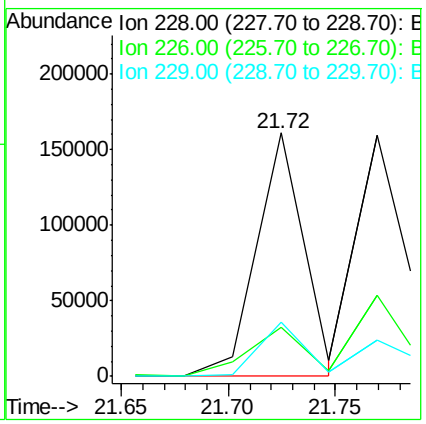


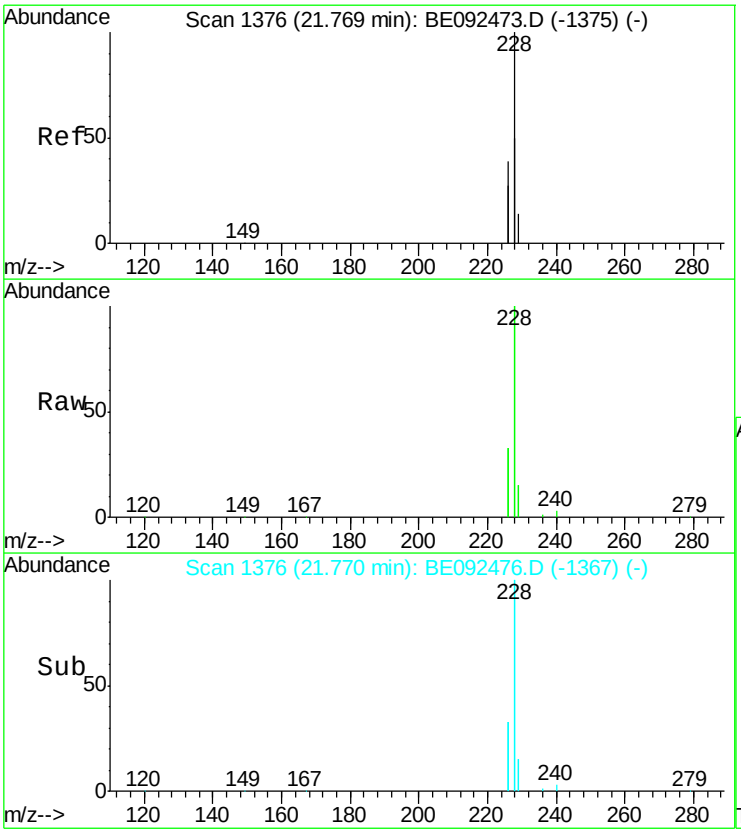
#27
Benzo(a)anthracene
Concen: 2.93 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 250267

Ion	Ratio	Lower	Upper
228	100		
226	20.4	23.6	35.4#
229	22.0	13.3	19.9#

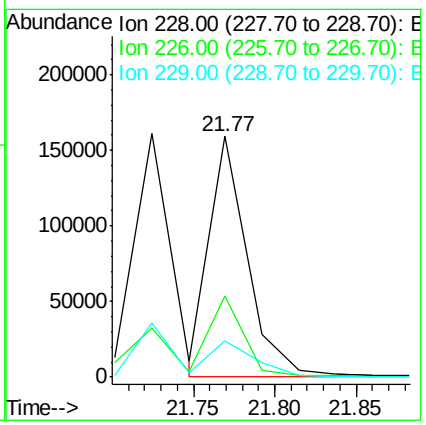


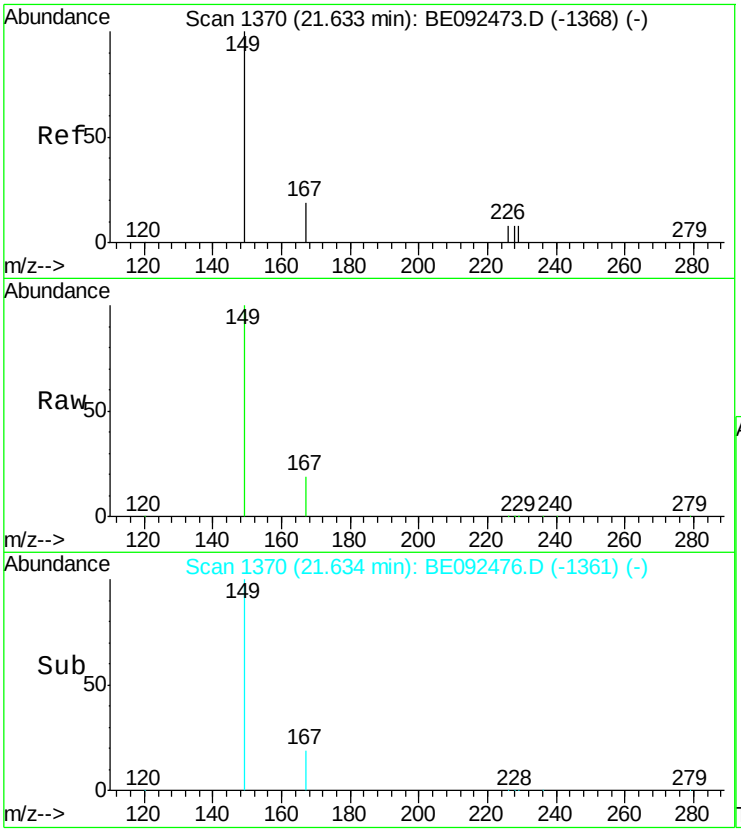


#28
Chrysene
Concen: 3.36 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:228 Resp: 262856

Ion	Ratio	Lower	Upper
228	100		
226	33.5	36.3	54.5#
229	15.0	10.6	16.0



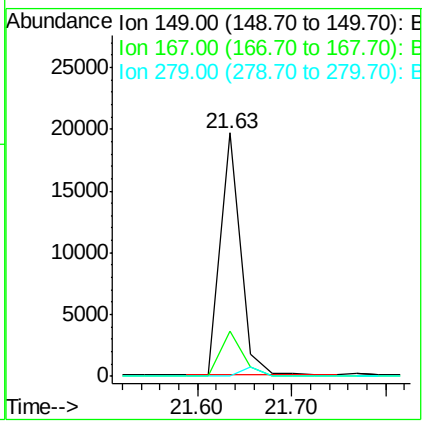


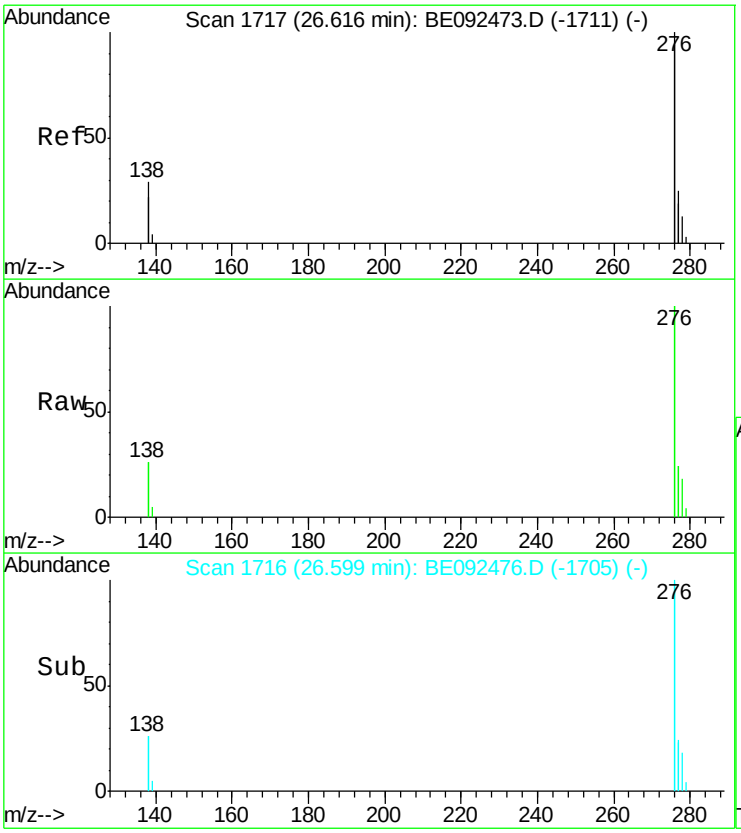
#29
Bis(2-ethylhexyl)phthalate
Concen: 3.99 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:149 Resp: 29409

Ion	Ratio	Lower	Upper
149	100		
167	20.8	16.0	24.0
279	0.0	16.0	24.0#

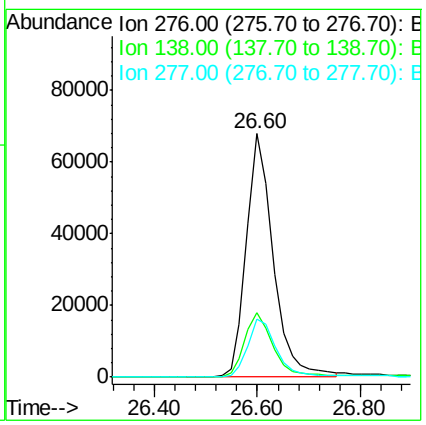


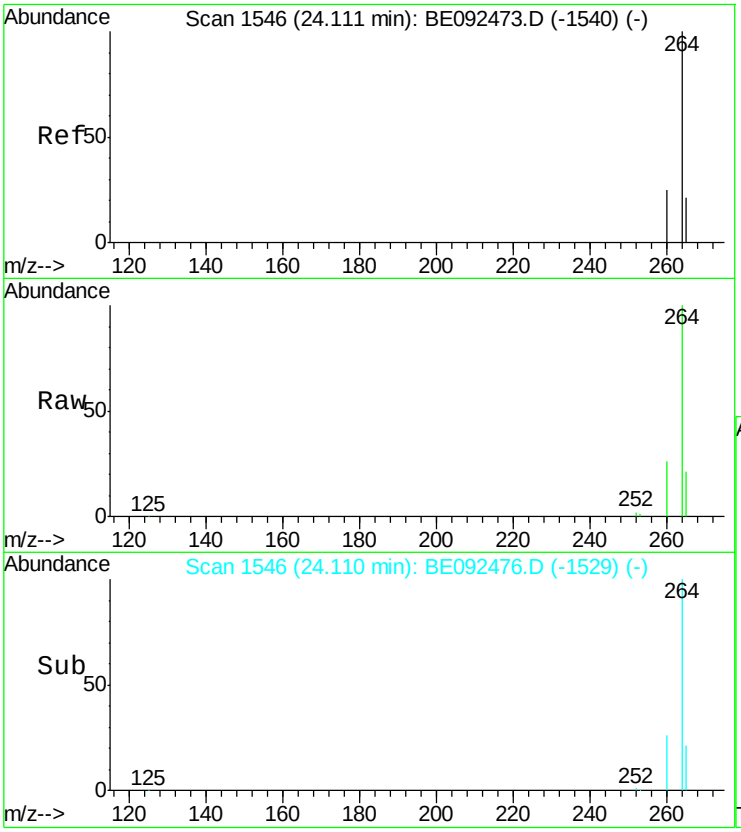


#30
Indeno(1,2,3-cd)pyrene
Concen: 2.91 ng
RT: 26.60 min Scan# 1716
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:276 Resp: 242163

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



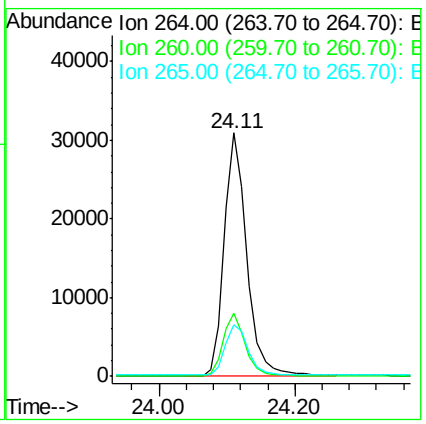


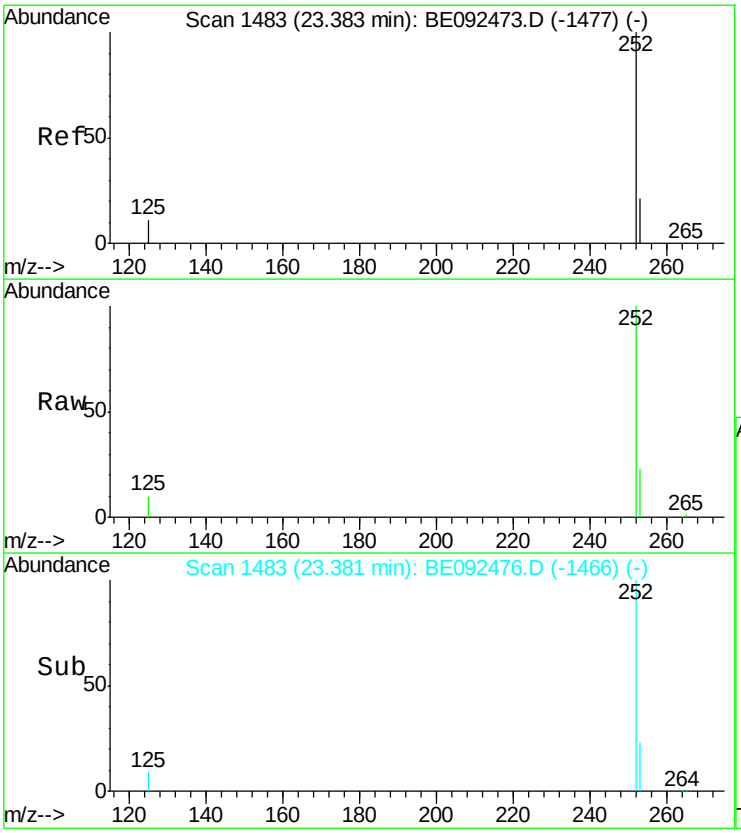
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 72585

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	21.4	17.9	26.9

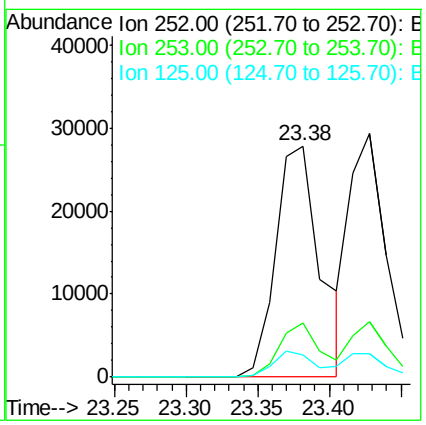


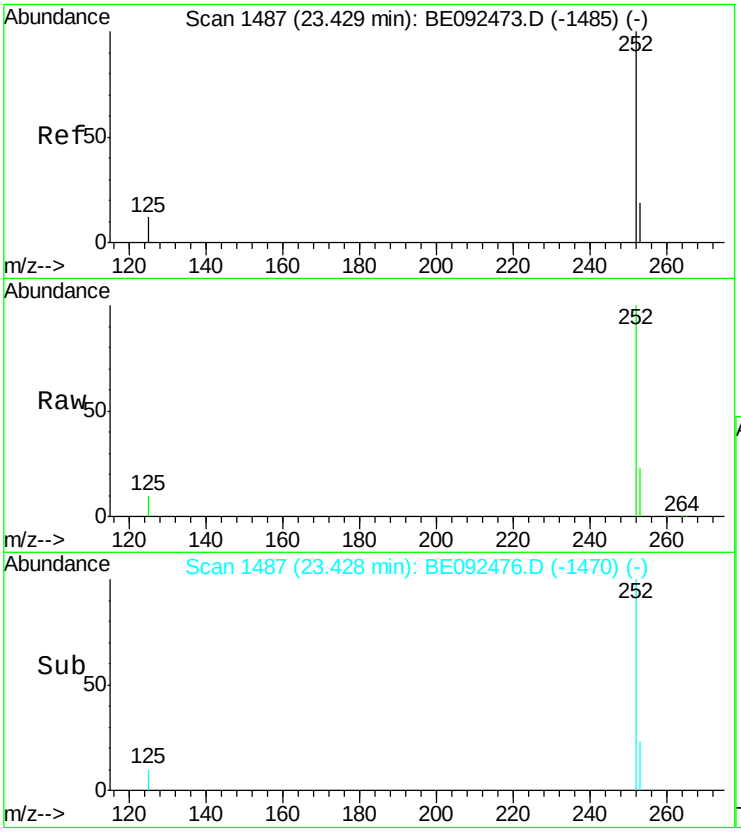


#32
Benzo(b)fluoranthene
Concen: 3.41 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:252 Resp: 59963

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	9.7	10.5	15.7#



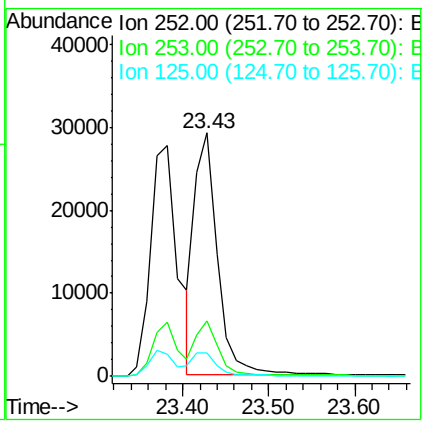


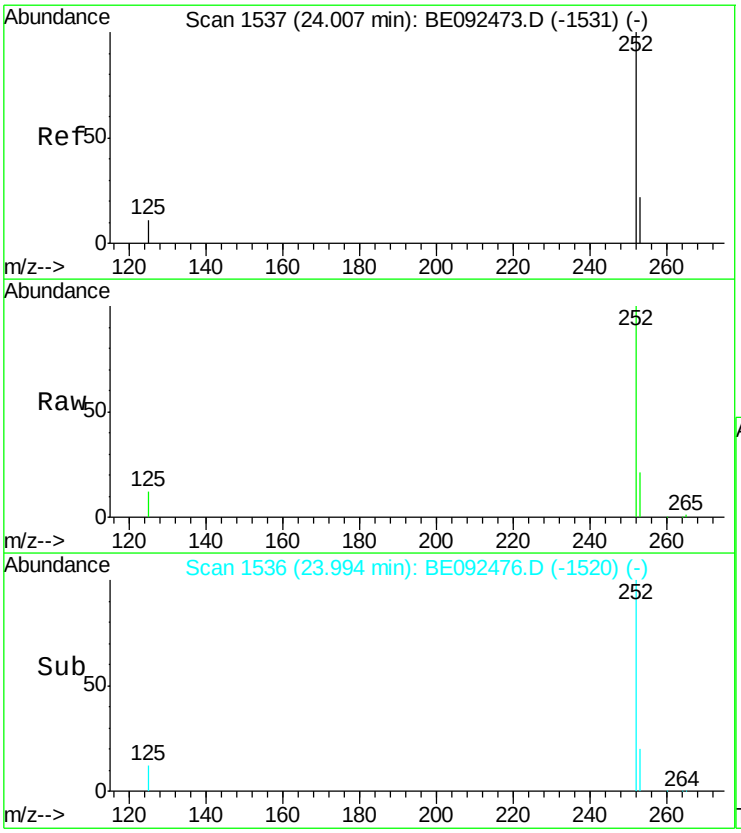
#33
Benzo(k)fluoranthene
Concen: 2.92 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 53788

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.3	30.5
125	9.9	9.6	14.4

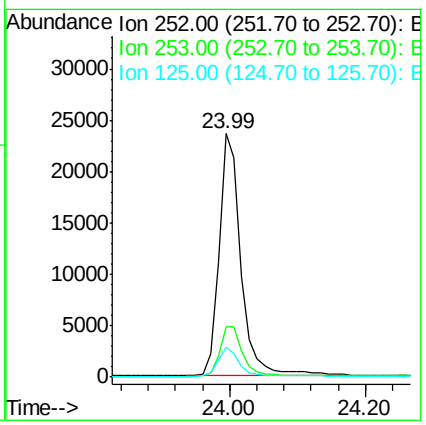


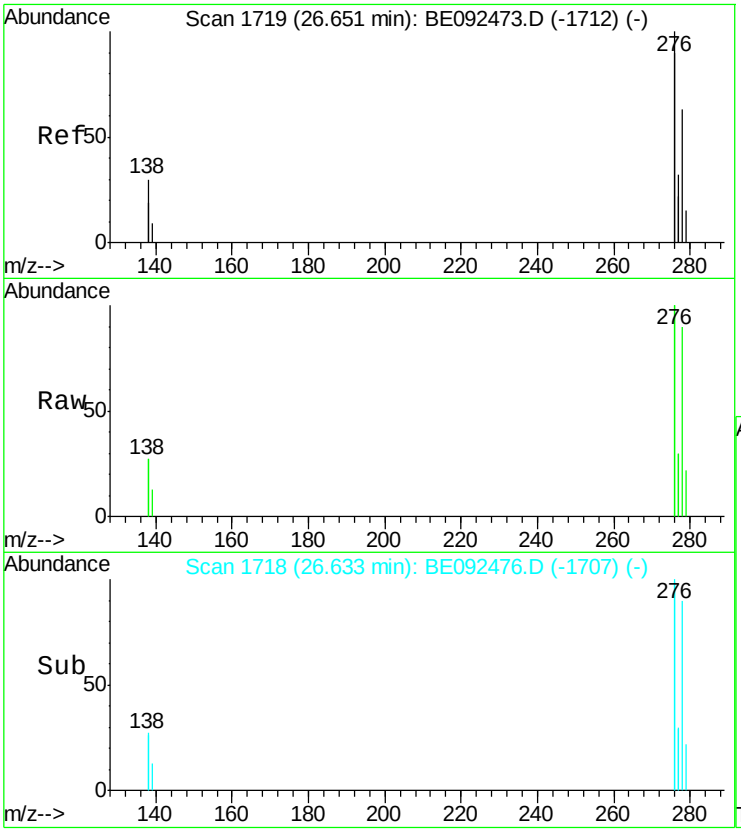


#34
Benzo(a)pyrene
Concen: 3.12 ng
RT: 23.99 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:252 Resp: 53711

Ion	Ratio	Lower	Upper
252	100		
253	20.8	19.0	28.6
125	12.1	11.8	17.8



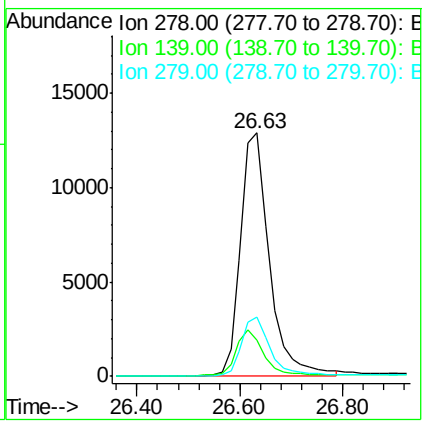


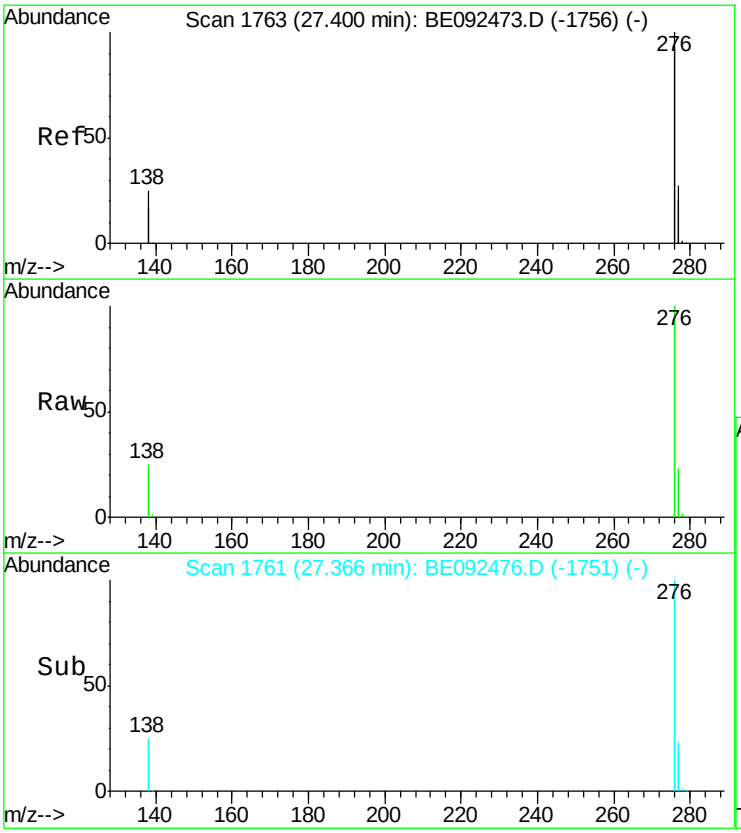
#35
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 49508

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: 3.04 ng
RT: 27.37 min Scan# 1761
Delta R.T. -0.03 min
Lab File: BE092476.D
Acq: 25 Oct 2016 12:17

Tgt Ion:276 Resp: 206197

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.8	29.8
138	24.8	19.8	29.6