Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121916\
Data File : BE092611.D
Acq On : 19 Dec 2016 17:17
Operator : UM/SJ
Sample : PB95417BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB95417BSD

Quant Time: Dec 20 00:53:02 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9235	5.00	ng		0.00
7) Naphthalene-d8	10.91	136	40131	5.00	ng		-0.02
12) Acenaphthene-d10	14.80	164	24694	5.00	ng		0.00
18) Phenanthrene-d10	17.53	188	43395	5.00	ng		-0.02
24) Chrysene-d12	21.72	240	49644	5.00	ng		0.00
31) Perylene-d12	24.07	264	49975	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	17587	9.80	ng		-0.03
5) Phenol-d6	7.31	99	25510	9.38	ng		-0.07
8) Nitrobenzene-d5	9.32	82	11710	4.24	ng		-0.05
13) 2,4,6-Tribromophenol	16.28	330	5440	7.64	ng		-0.02
14) 2-Fluorobiphenyl	13.41	172	26966	4.57	ng		-0.02
26) Terphenyl-d14	20.16	244	29179	4.79	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	3814	3.58	ng	#	48
3) n-Nitrosodimethylamine	3.73	42	6149	4.02	ng	#	92
6) bis(2-Chloroethyl)ether	7.57	93	10066	3.82	ng		91
9) Naphthalene	10.97	128	32453	3.94	ng		95
10) Hexachlorobutadiene	11.26	225	4905	3.92	ng		99
11) 2-Methylnaphthalene	12.60	142	21509	4.10	ng	#	87
15) Acenaphthylene	14.51	152	136173	4.00	ng		100
16) Acenaphthene	14.85	154	20971	3.74	ng		94
17) Fluorene	15.83	166	26979	3.91	ng		99
19) Hexachlorobenzene	16.87	284	7923	4.27	ng	#	64
20) Pentachlorophenol	17.21	266	5132	6.60	ng	#	85
21) Phenanthrene	17.58	178	45801	4.18	ng	#	95
22) Anthracene	17.67	178	44986	4.50	ng		100
23) Fluoranthene	19.58	202	183161	3.87	ng		100
25) Pyrene	19.95	202	185993	4.25	ng		99
27) Benzo(a)anthracene	21.70	228	187831	4.21	ng	#	81
28) Chrysene	21.70	228	187840	3.64	ng	#	63
29) Bis(2-ethylhexyl)phthalate	21.61	149	24361	3.76	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.53	276	252199	5.40	ng		97
32) Benzo(b)fluoranthene	23.34	252	48742	4.24	ng		96
33) Benzo(k)fluoranthene	23.38	252	51898	4.05	ng		94
34) Benzo(a)pyrene	23.95	252	49239	4.44	ng		94
35) Dibenzo(a,h)anthracene	26.55	278	52925	5.02	ng		93
36) Benzo(g,h,i)perylene	27.30	276	219025	4.85	ng		98

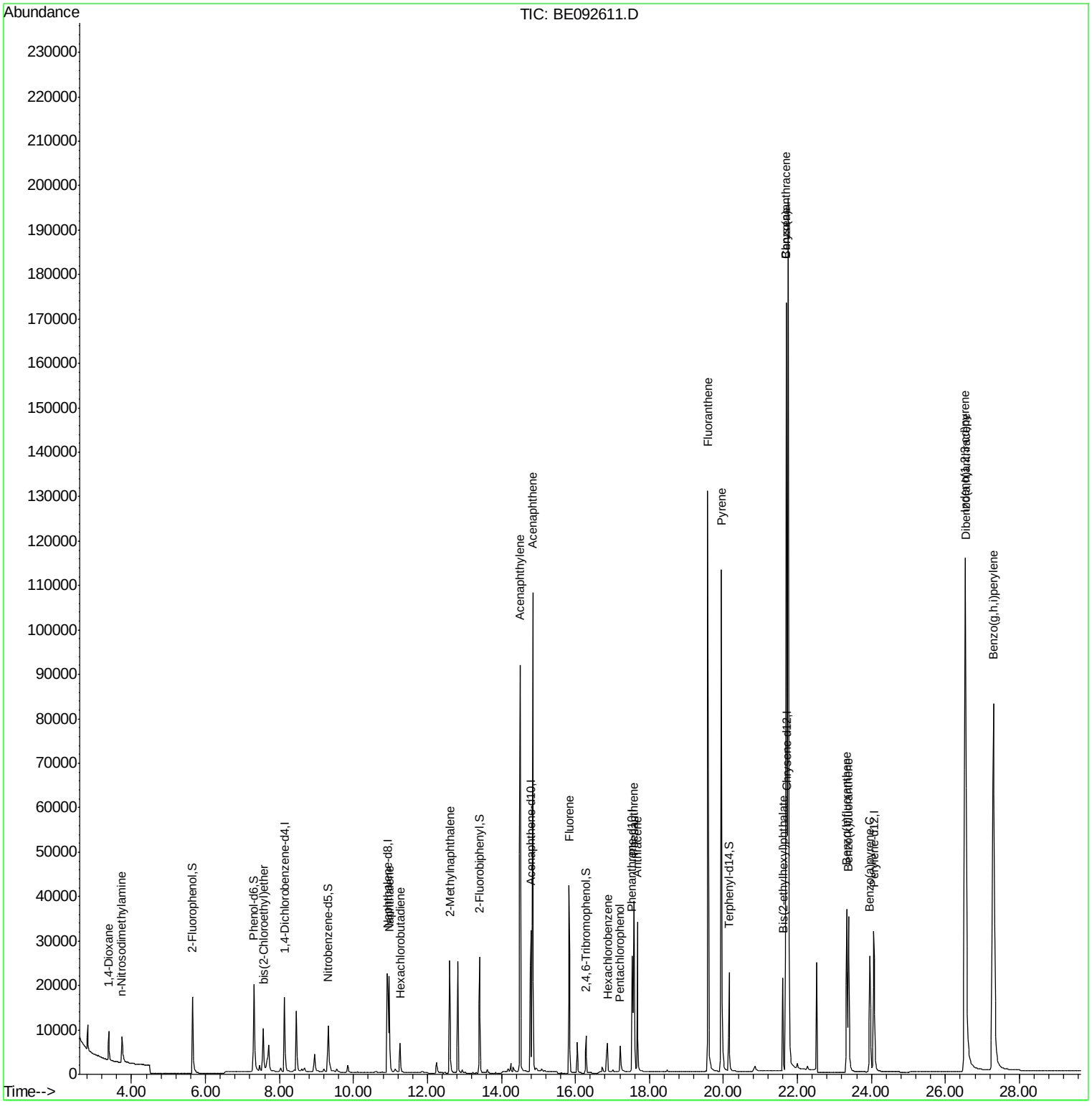
(#) = qualifier out of range (m) = manual integration (+) = signals summed

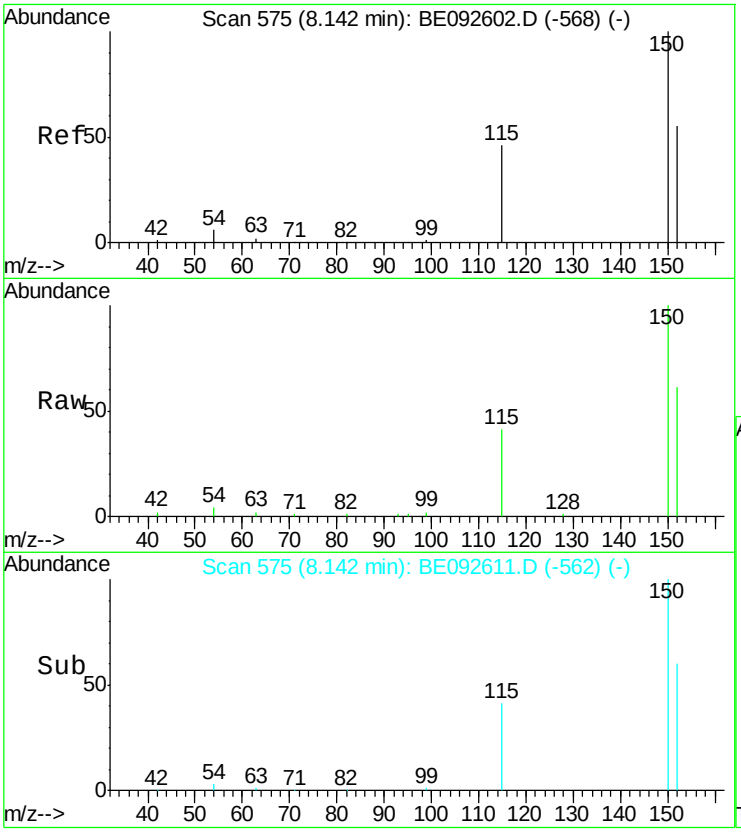
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121916\
Data File : BE092611.D
Acq On : 19 Dec 2016 17:17
Operator : UM/SJ
Sample : PB95417BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Quant Time: Dec 20 00:53:02 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration



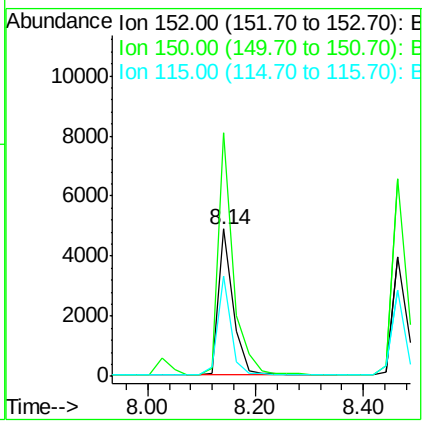


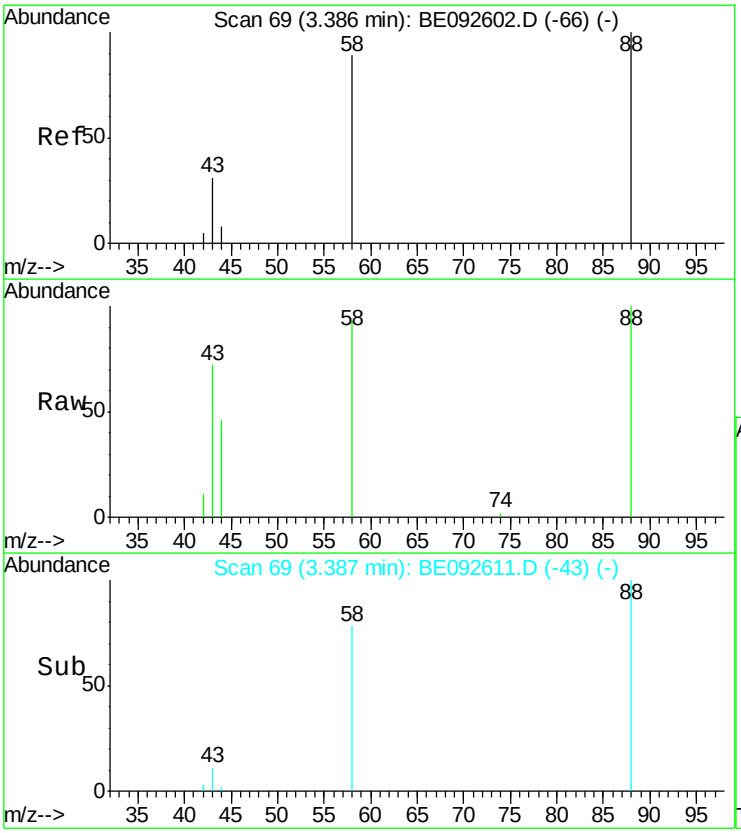
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:152 Resp: 9235

Ion	Ratio	Lower	Upper
152	100		
150	165.2	106.0	159.0#
115	68.0	31.2	46.8#

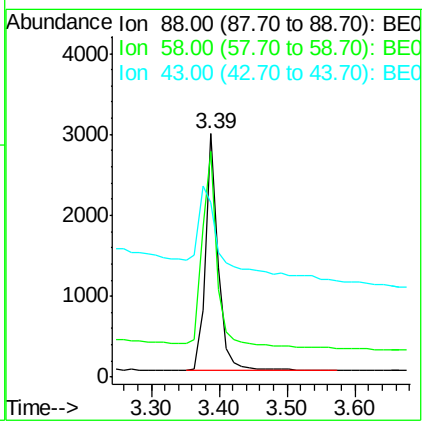


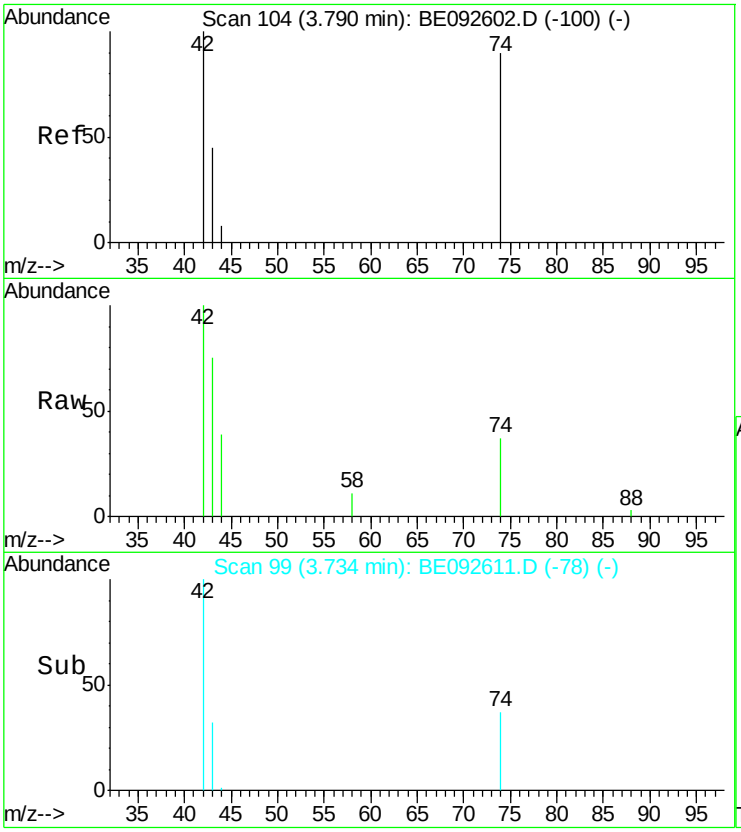


#2
1,4-Dioxane
Concen: 3.58 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion: 88 Resp: 3814

Ion	Ratio	Lower	Upper
88	100		
58	104.2	63.6	95.4#
43	96.8	28.0	42.0#



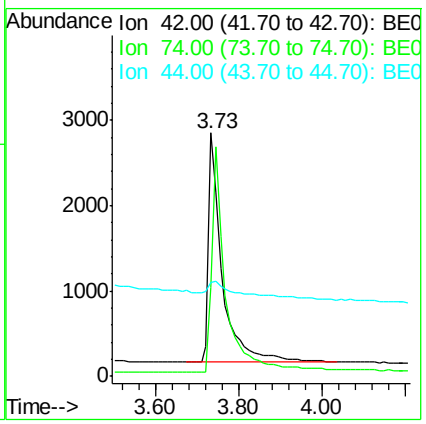


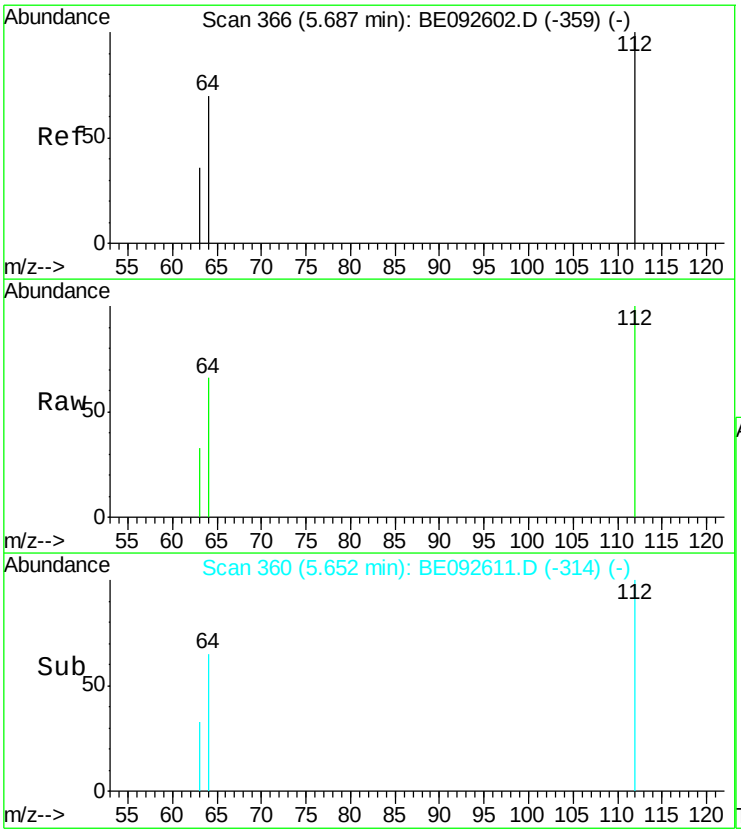
#3
n-Nitrosodimethylamine
Concen: 4.02 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.06 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion: 42 Resp: 6149

Ion	Ratio	Lower	Upper
42	100		
74	101.4	86.0	129.0
44	20.8	5.1	7.7#

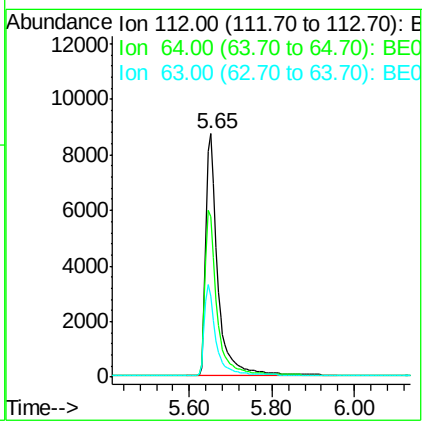


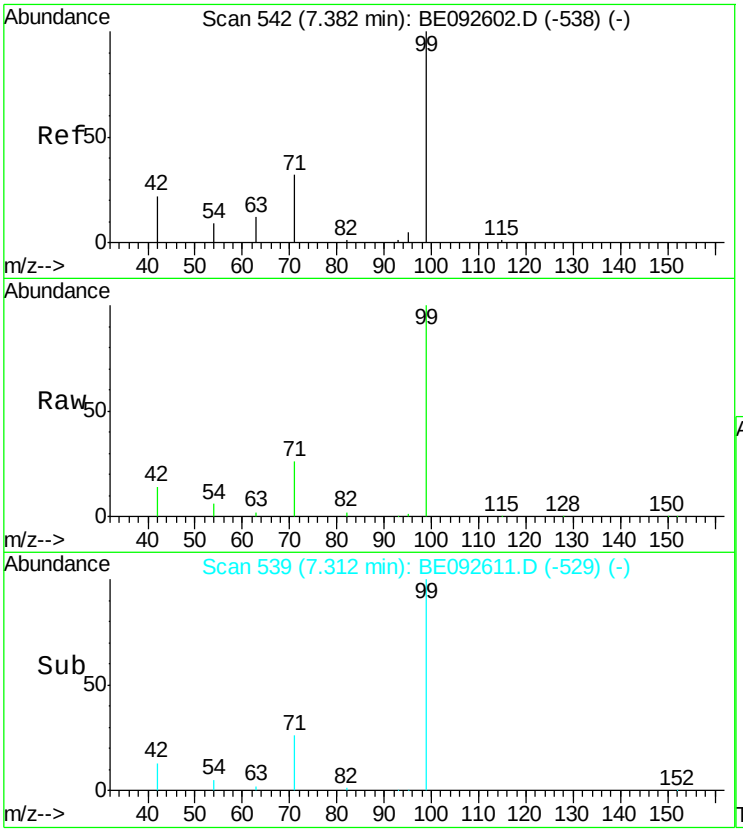


#4
2-Fluorophenol
Concen: 9.80 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.03 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:112 Resp: 17587

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.5	80.3
63	36.8	27.9	41.9



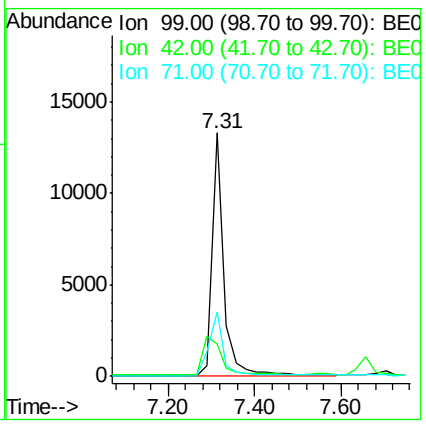


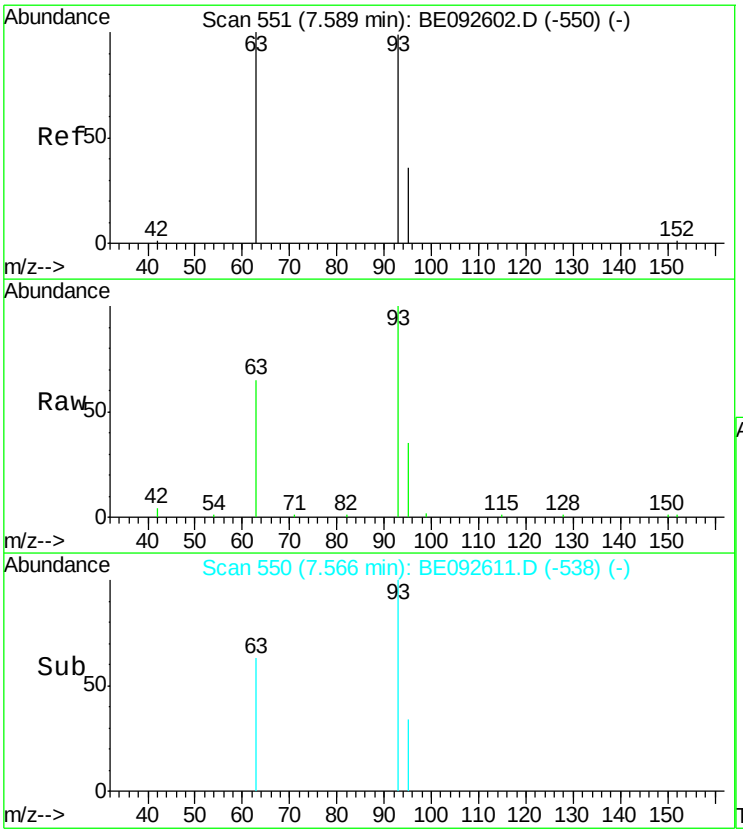
#5
Phenol-d6
Concen: 9.38 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion: 99 Resp: 25510

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	31.7	30.6	45.8

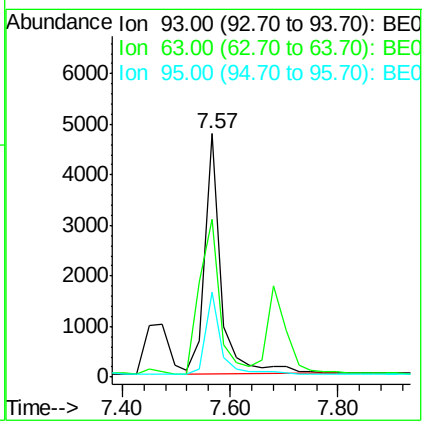


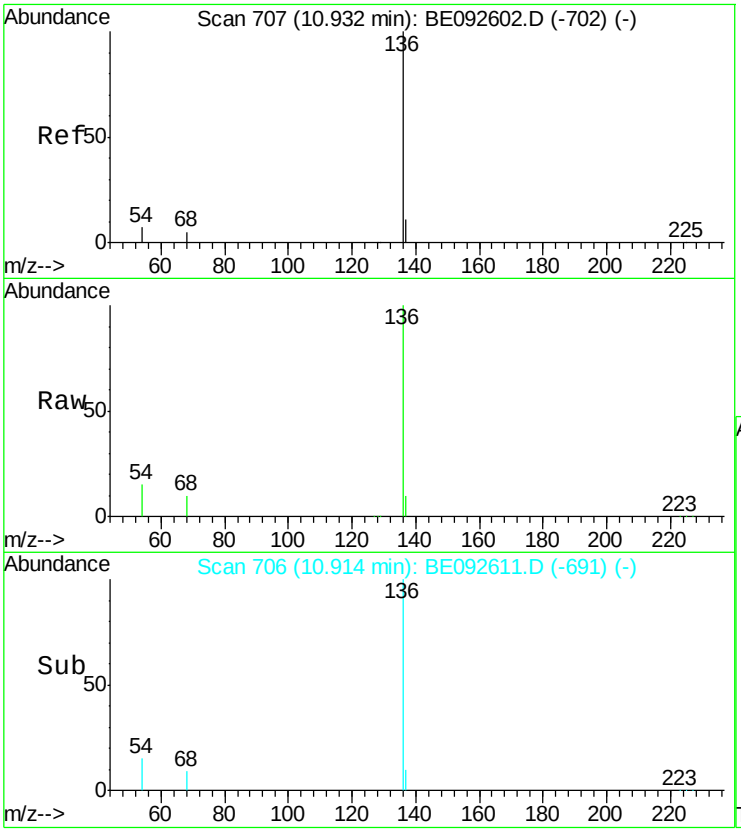


#6
bis(2-Chloroethyl)ether
Concen: 3.82 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion: 93 Resp: 10066

Ion	Ratio	Lower	Upper
93	100		
63	79.6	71.6	107.4
95	33.2	24.0	36.0



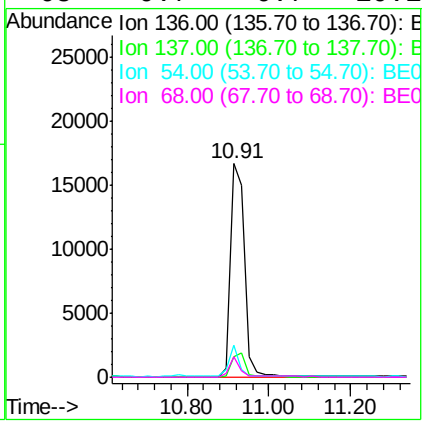


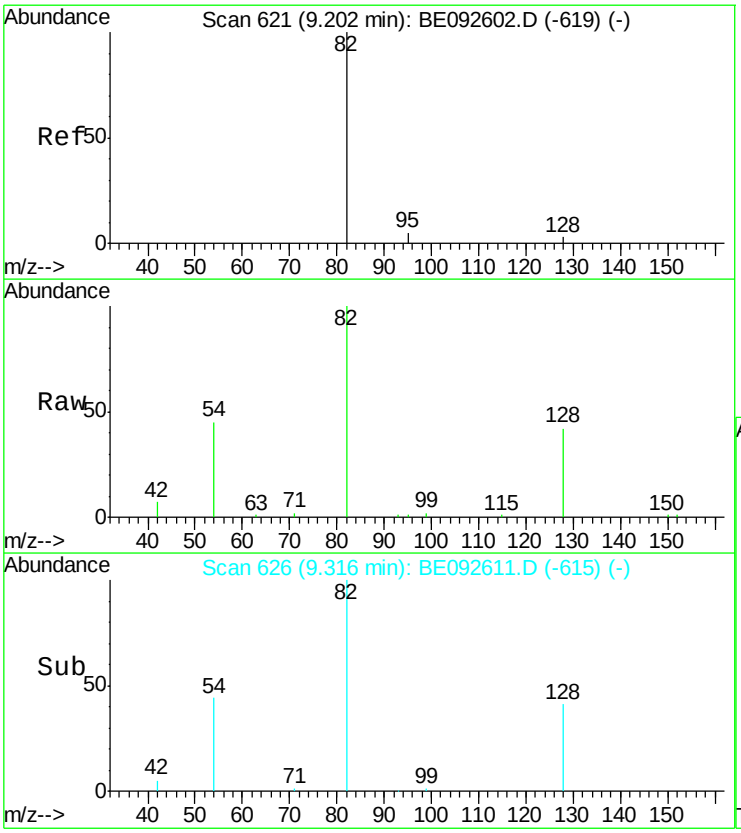
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.91 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:136 Resp: 40131

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.2	12.4
54	15.2	9.6	14.4#
68	9.7	6.7	10.1

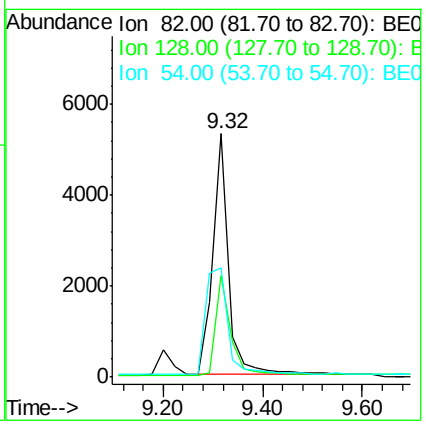


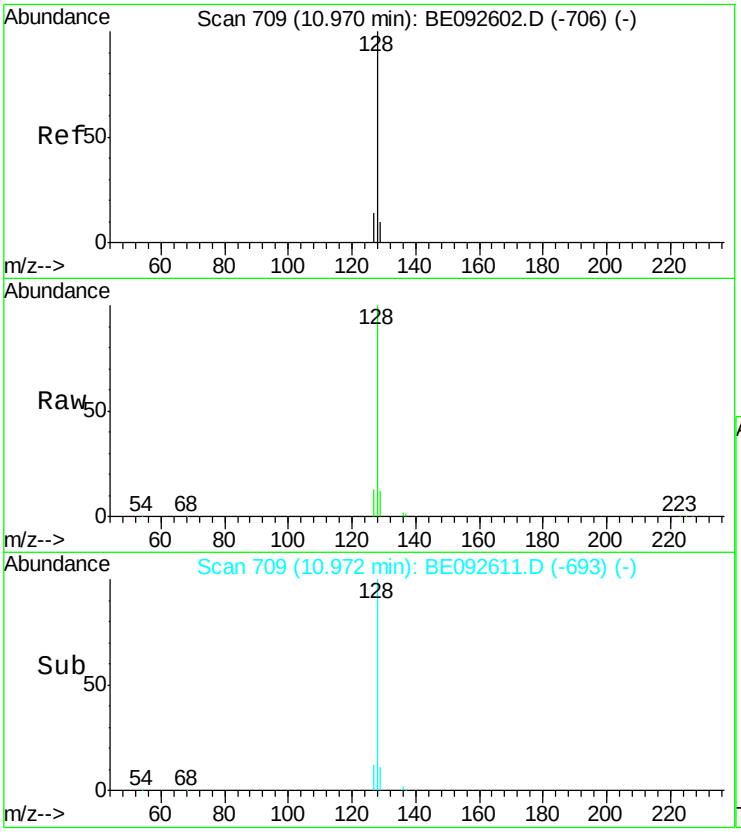


#8
Nitrobenzene-d5
Concen: 4.24 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion: 82 Resp: 11710

Ion	Ratio	Lower	Upper
82	100		
128	41.6	39.0	58.4
54	45.0	44.8	67.2



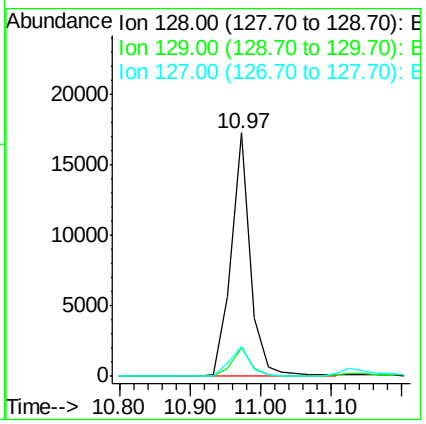


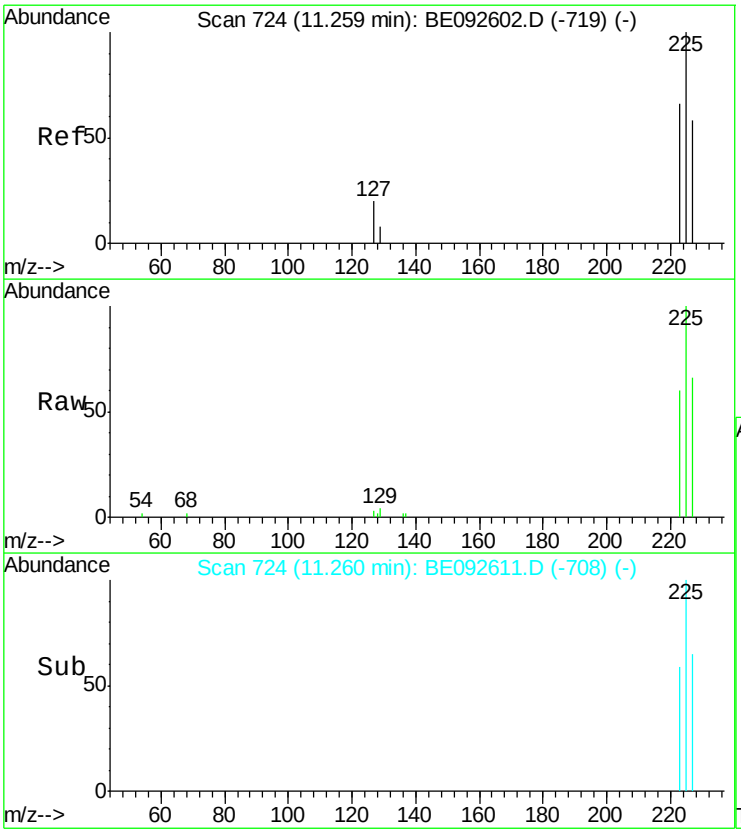
#9
Naphthalene
Concen: 3.94 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:128 Resp: 32453

Ion	Ratio	Lower	Upper
128	100		
129	11.6	11.2	16.8
127	12.5	11.6	17.4

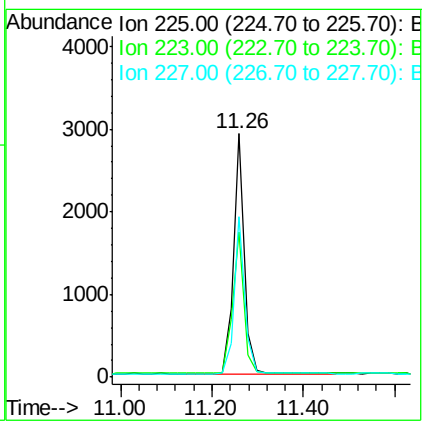


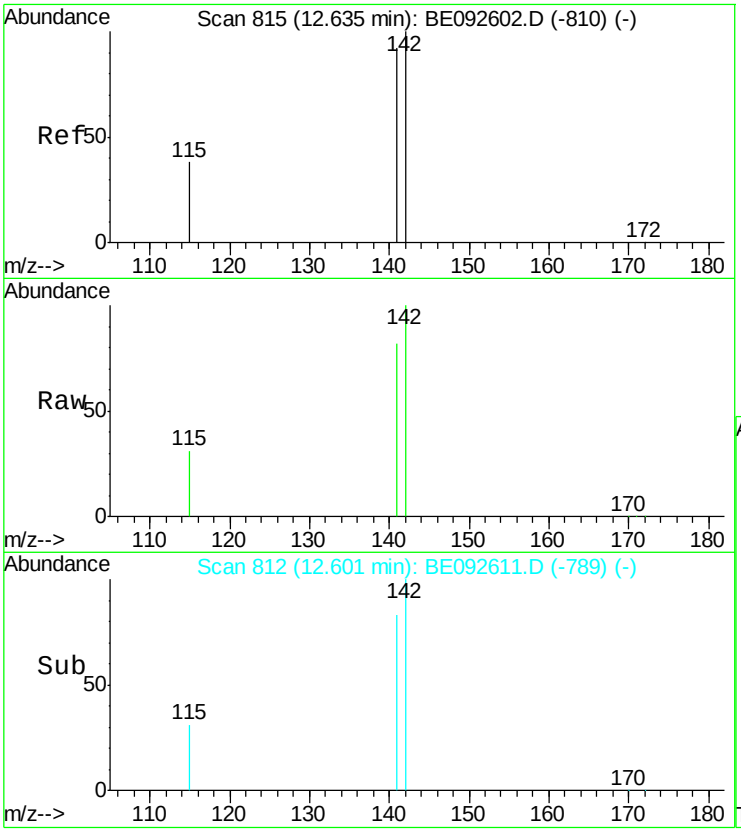


#10
Hexachlorobutadiene
Concen: 3.92 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:225 Resp: 4905

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	76.0
227	64.4	51.4	77.0



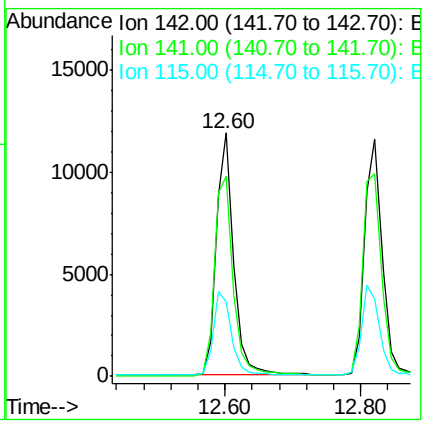


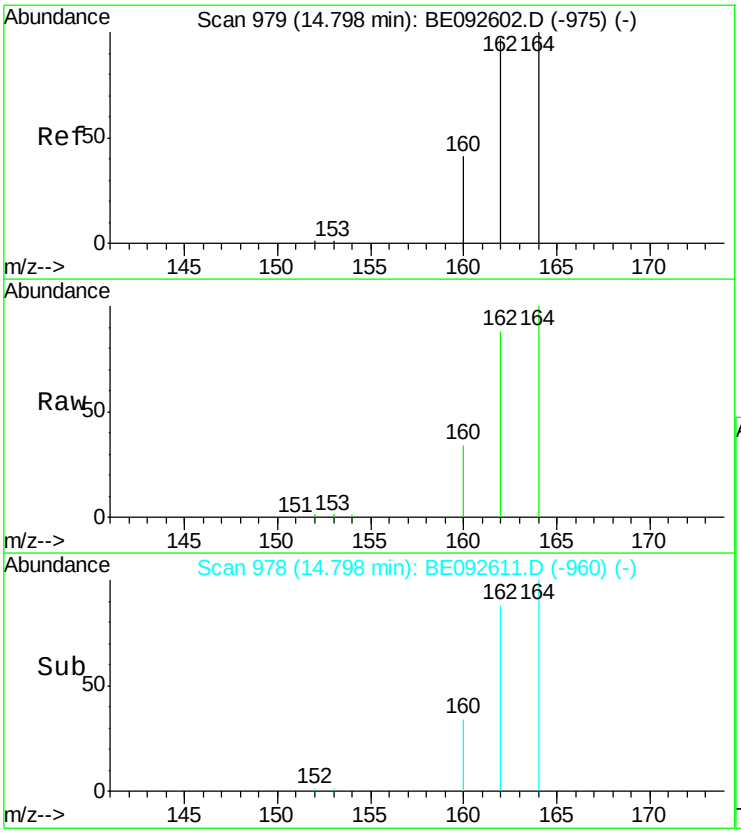
#11
2-Methylnaphthalene
Concen: 4.10 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:142 Resp: 21509

Ion	Ratio	Lower	Upper
142	100		
141	82.0	73.7	110.5
115	30.9	34.0	51.0#

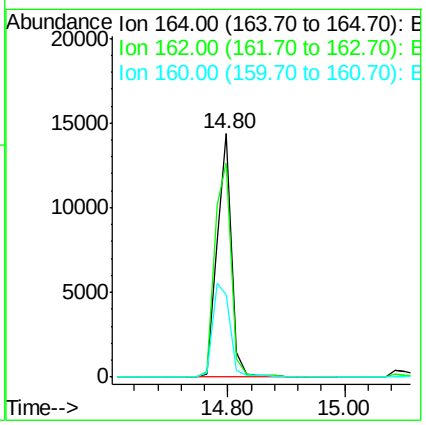


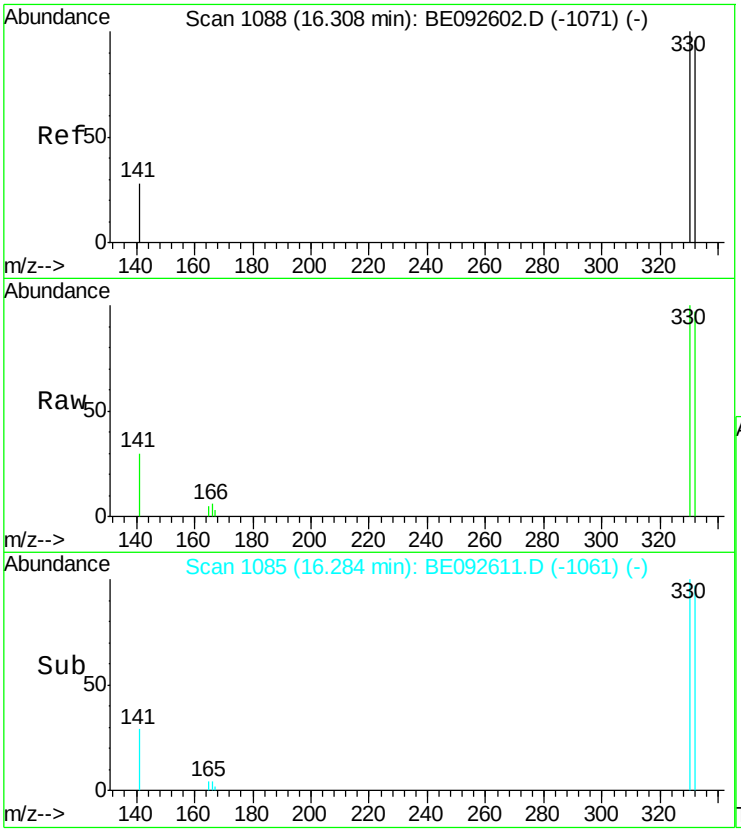


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:164 Resp: 24694

Ion	Ratio	Lower	Upper
164	100		
162	88.2	71.4	107.0
160	34.0	27.4	41.2



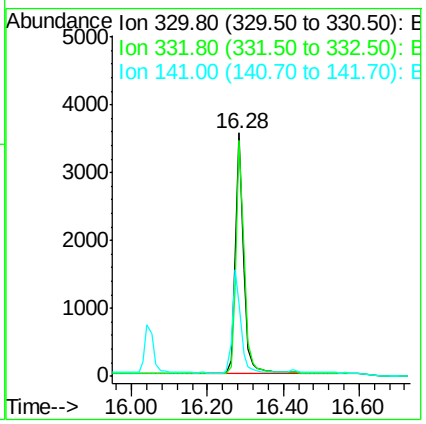


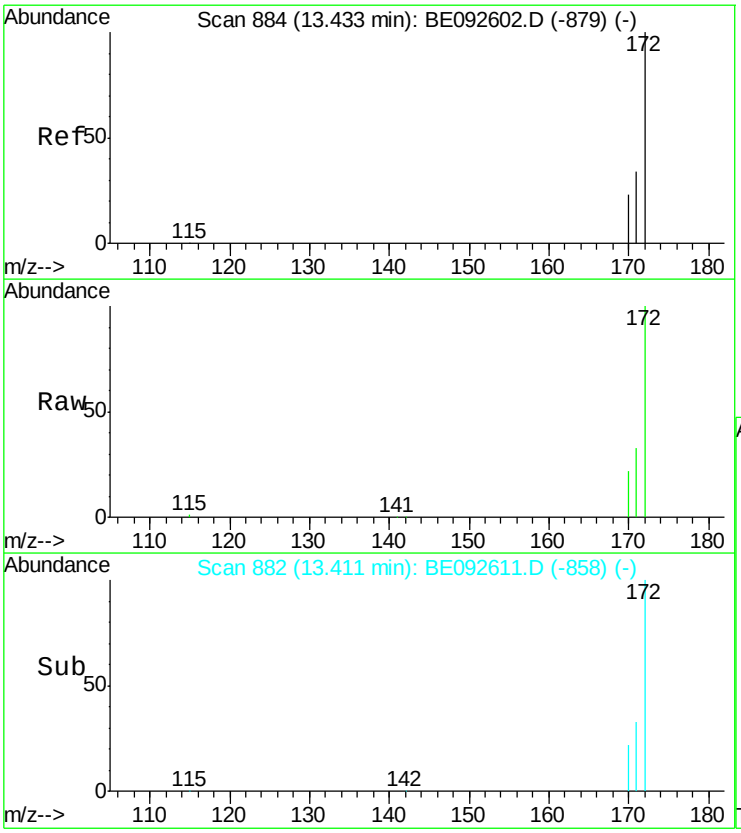
#13
2,4,6-Tribromophenol
Concen: 7.64 ng
RT: 16.28 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:330 Resp: 5440

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	44.4	31.0	46.6

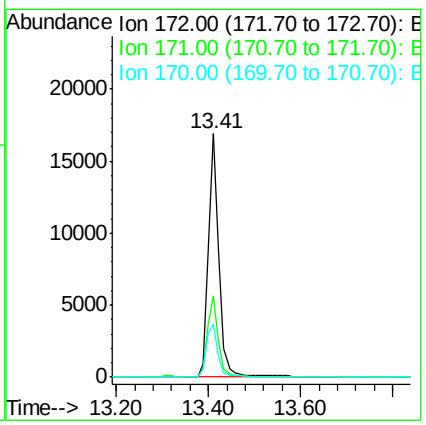


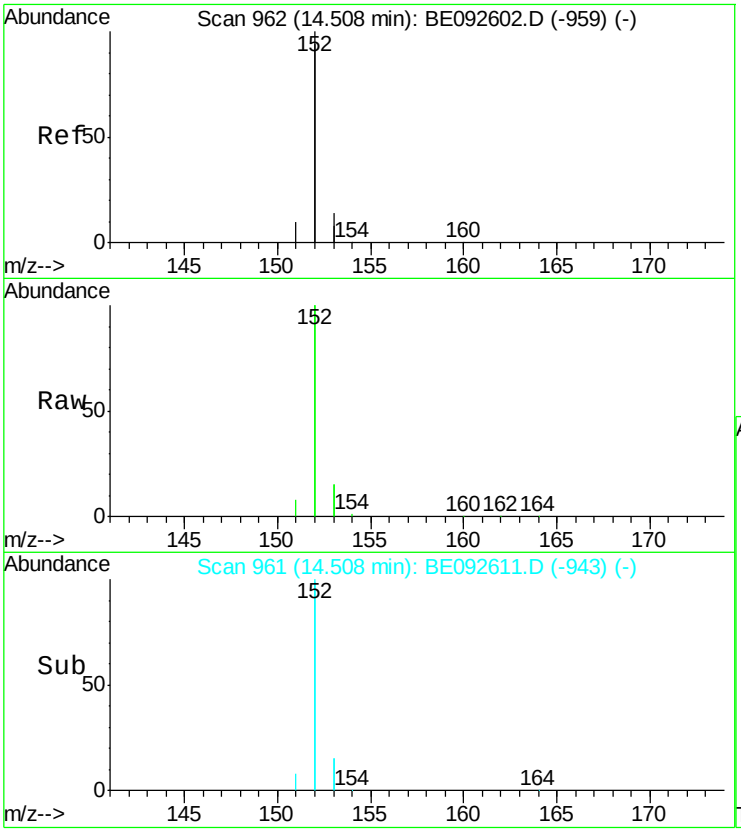


#14
2-Fluorobiphenyl
Concen: 4.57 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:172 Resp: 26966

Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.1	45.1
170	21.8	21.8	32.6#



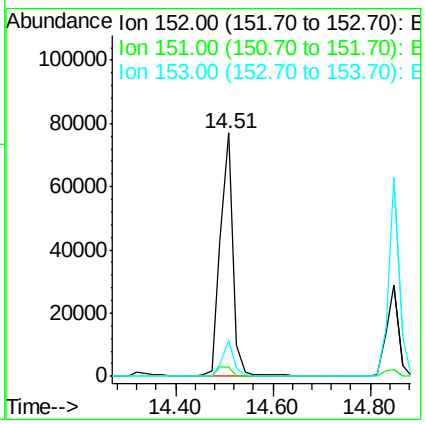


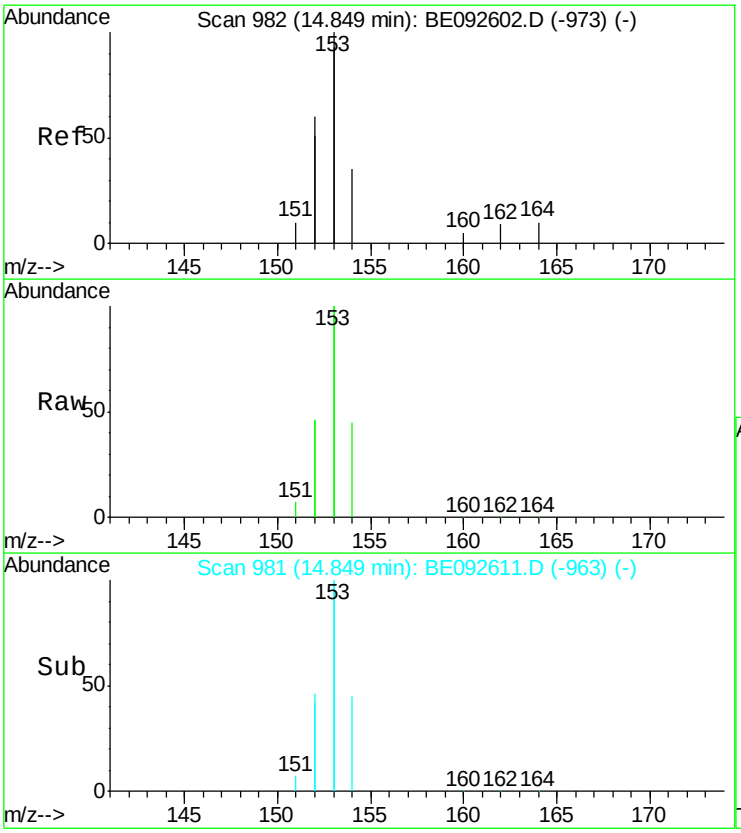
#15
Acenaphthylene
Concen: 4.00 ng
RT: 14.51 min Scan# 961
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:152 Resp: 136173

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.3	10.4	15.6

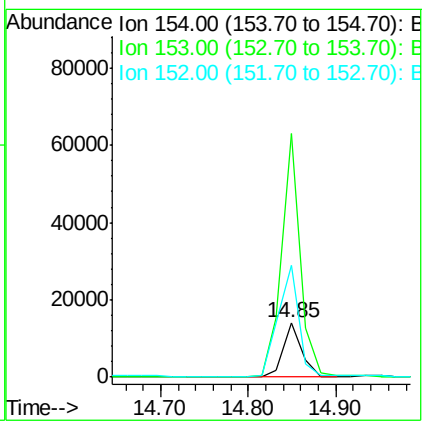


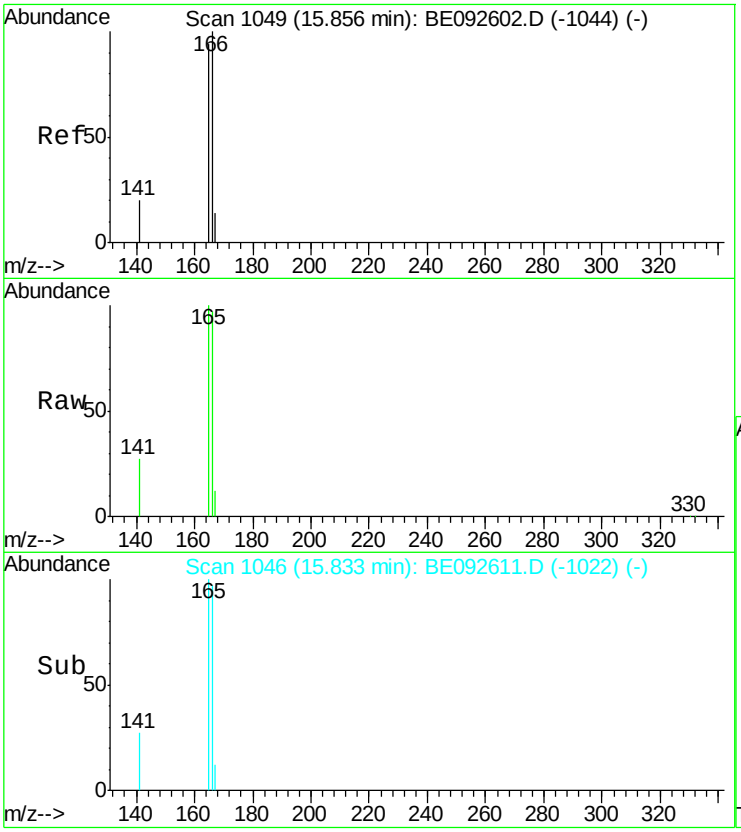


#16
Acenaphthene
Concen: 3.74 ng
RT: 14.85 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:154 Resp: 20971

Ion	Ratio	Lower	Upper
154	100		
153	448.7	350.8	526.2
152	227.8	171.1	256.7



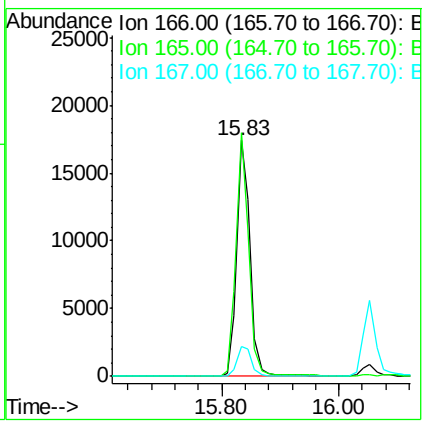


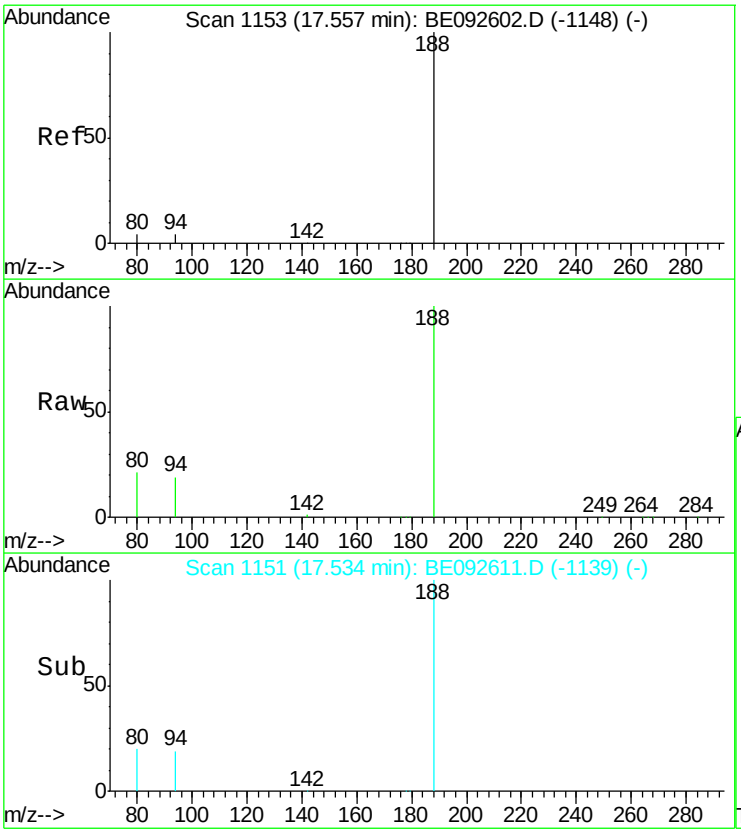
#17
Fluorene
Concen: 3.91 ng
RT: 15.83 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:166 Resp: 26979

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.2	117.4
167	13.4	11.0	16.4

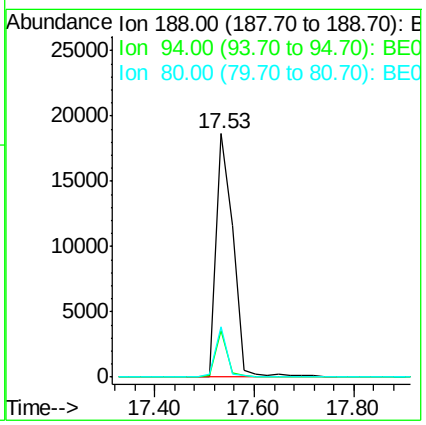


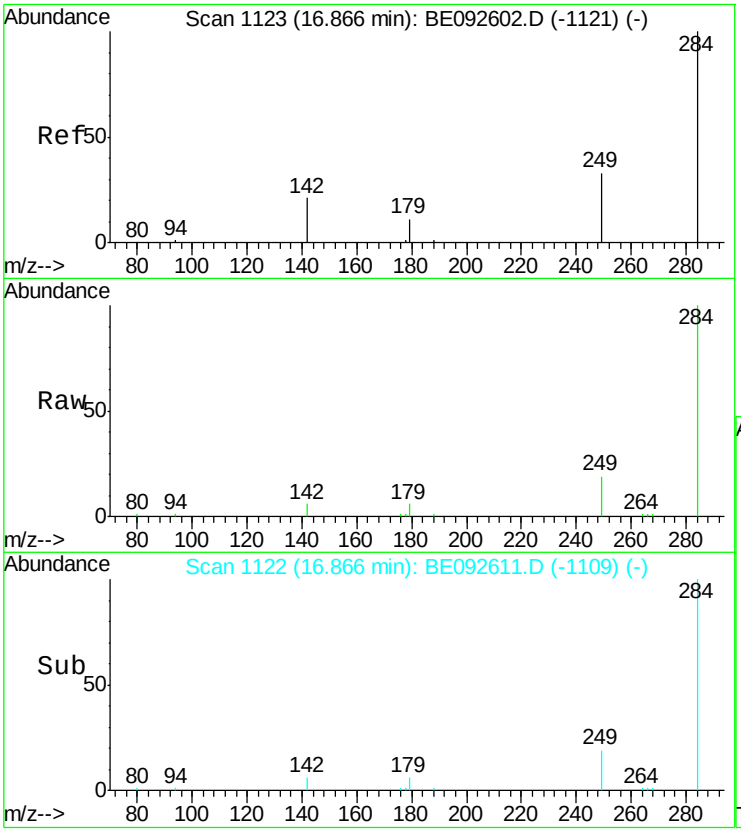


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:188 Resp: 43395

Ion	Ratio	Lower	Upper
188	100		
94	18.9	3.2	4.8#
80	20.8	2.6	3.8#



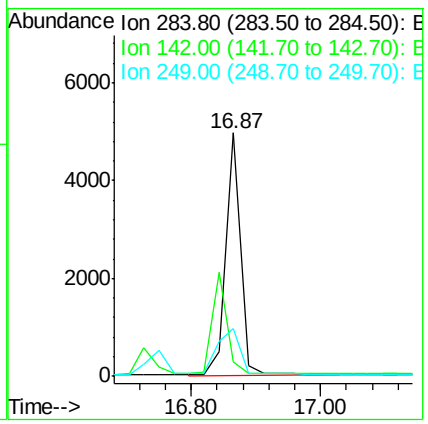


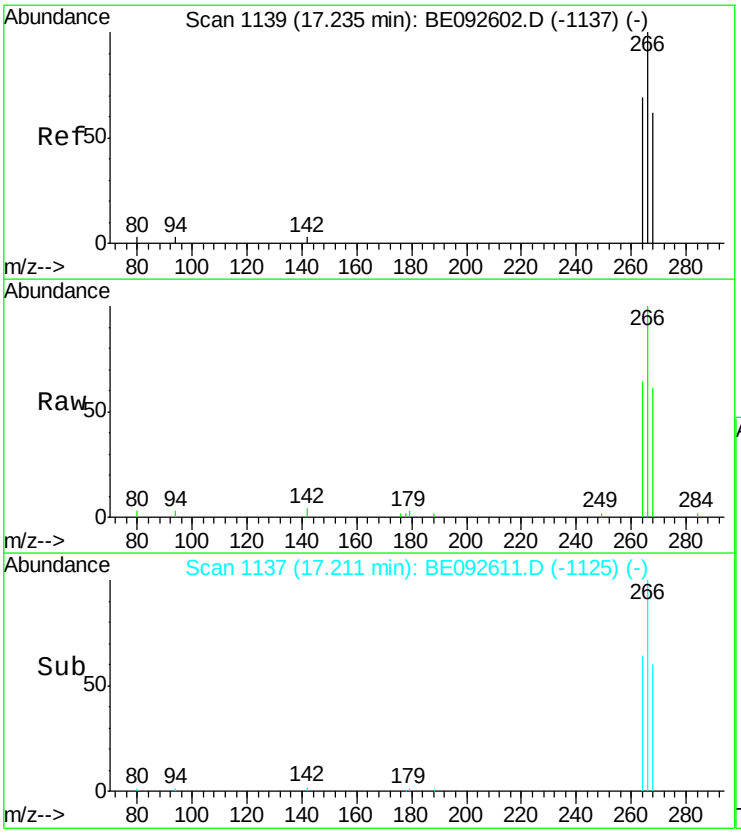
#19
Hexachlorobenzene
Concen: 4.27 ng
RT: 16.87 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:284 Resp: 7923

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.9	27.9	41.9

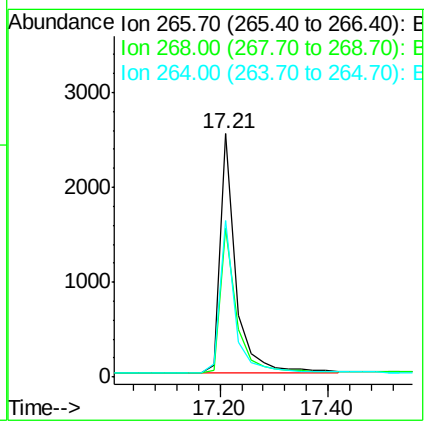


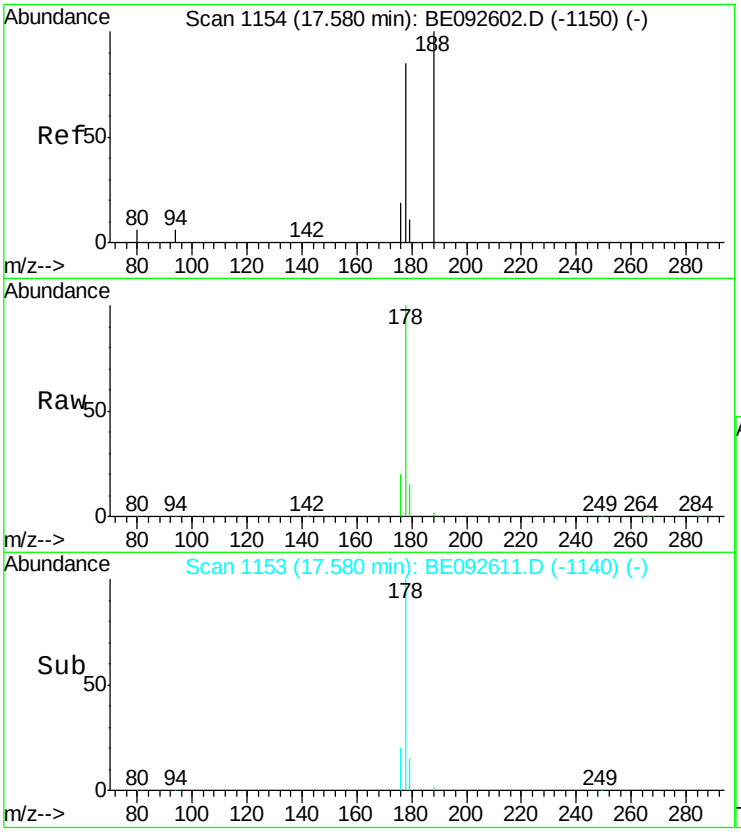


#20
Pentachlorophenol
Concen: 6.60 ng
RT: 17.21 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:266 Resp: 5132

Ion	Ratio	Lower	Upper
266	100		
268	60.9	62.5	93.7#
264	64.2	57.2	85.8



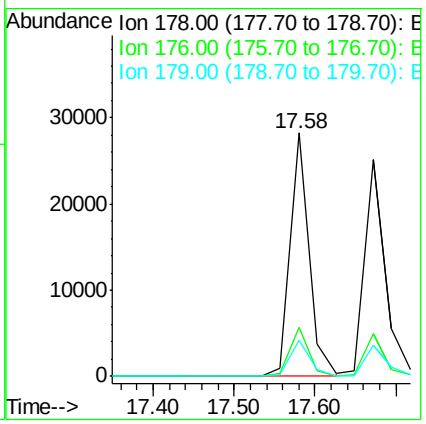


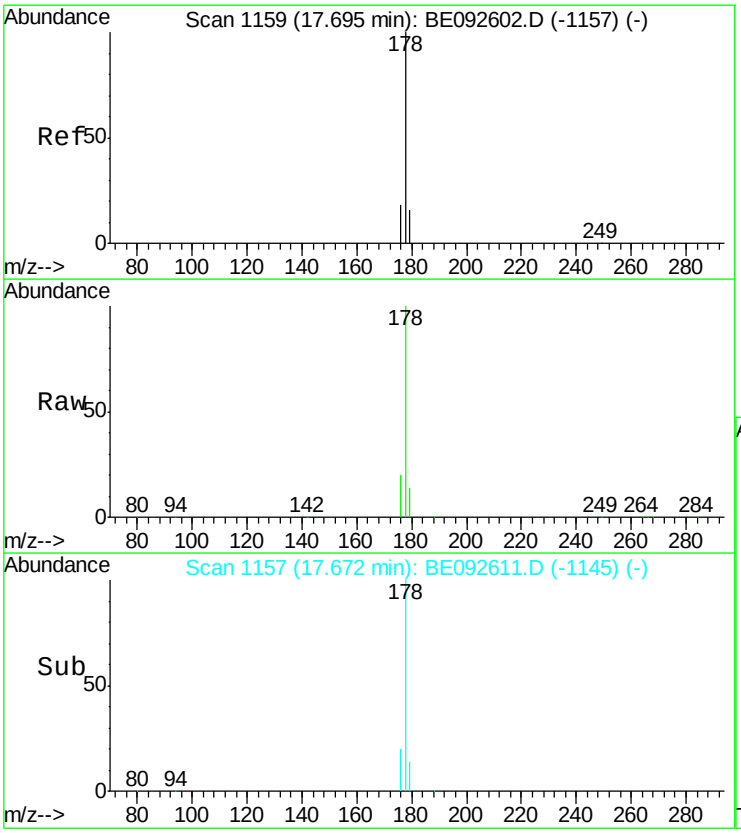
#21
Phenanthrene
Concen: 4.18 ng
RT: 17.58 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:178 Resp: 45801

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	16.0	24.0#

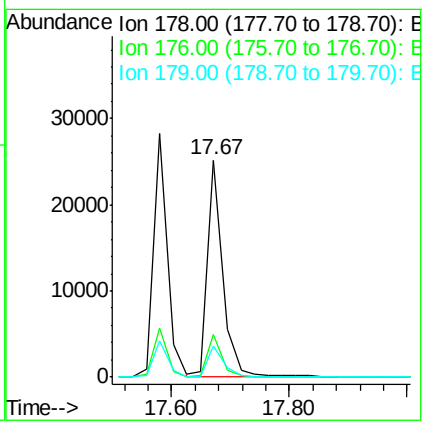


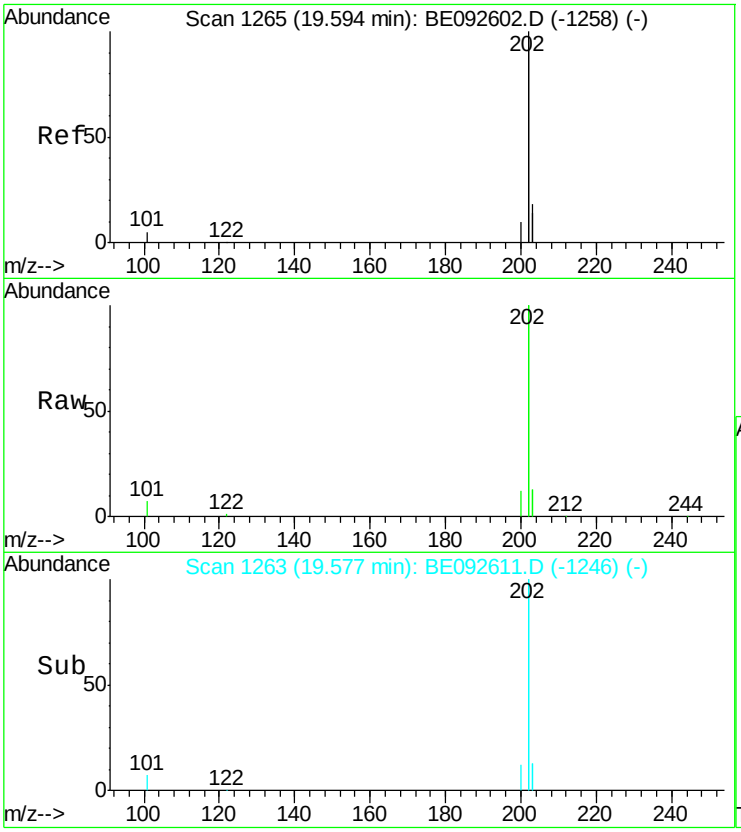


#22
Anthracene
Concen: 4.50 ng
RT: 17.67 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:178 Resp: 44986

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.1	12.2	18.2



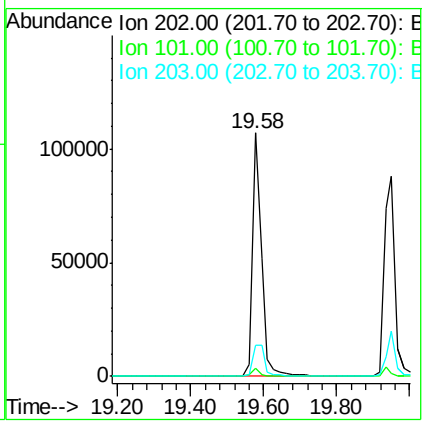


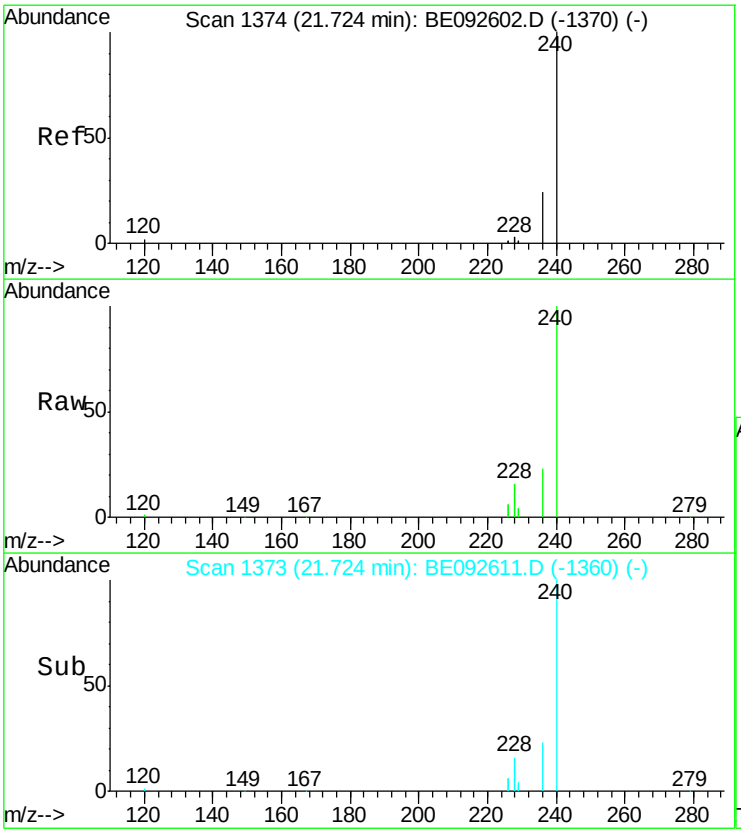
#23
Fluoranthene
Concen: 3.87 ng
RT: 19.58 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:202 Resp: 183161

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.2	13.7	20.5

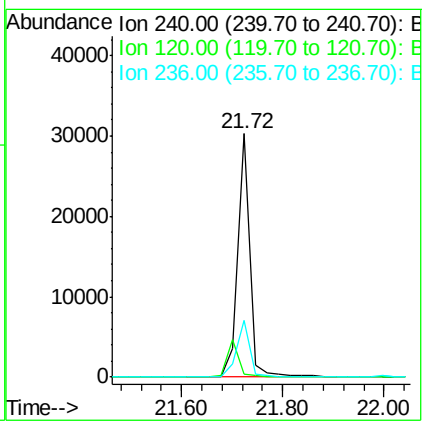


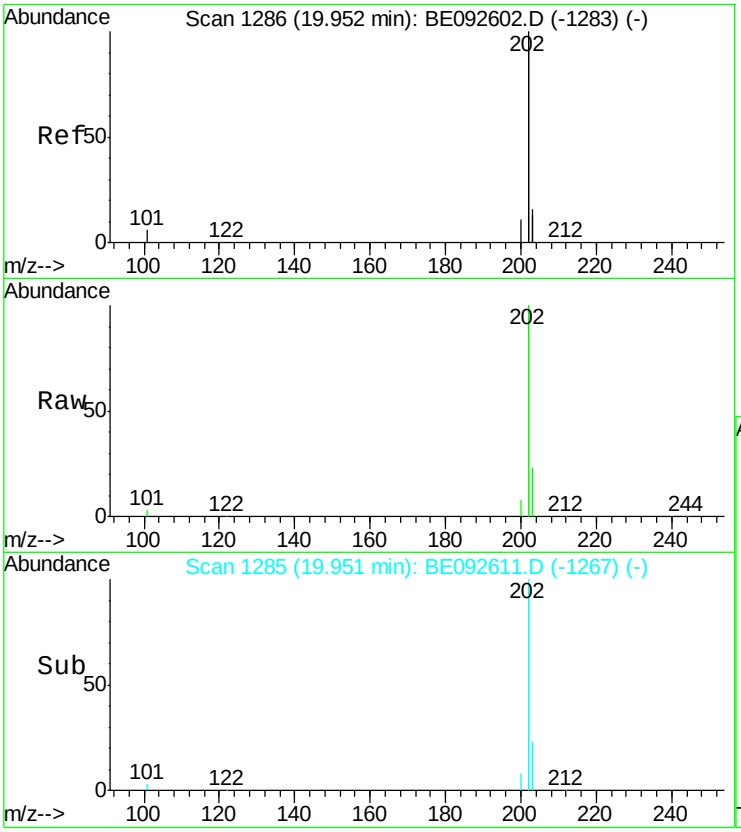


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:240 Resp: 49644

Ion	Ratio	Lower	Upper
240	100		
120	1.2	2.6	4.0#
236	23.5	24.6	37.0#



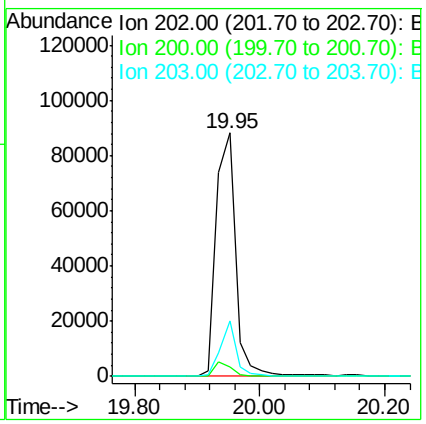


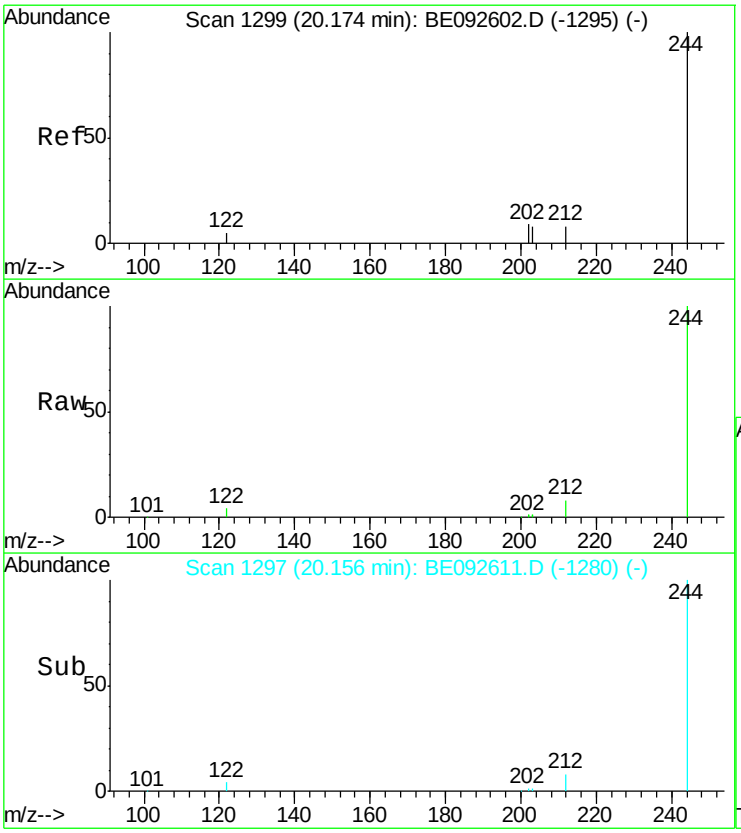
#25
Pyrene
Concen: 4.25 ng
RT: 19.95 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:202 Resp: 185993

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.1	13.9	20.9

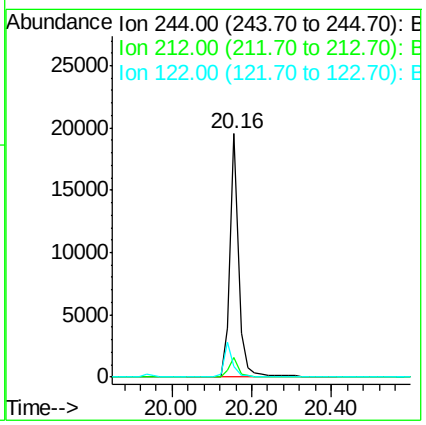


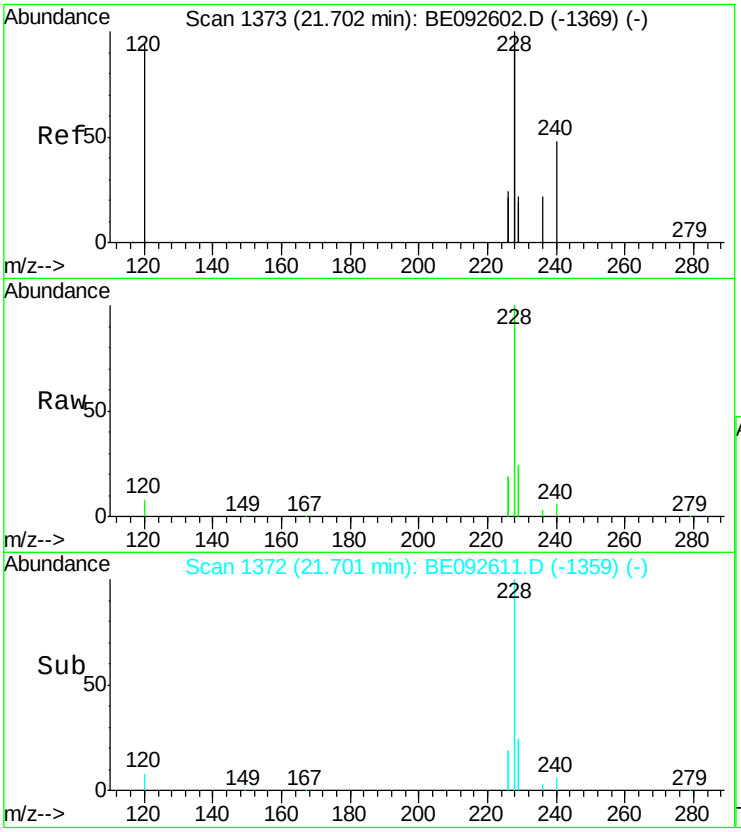


#26
Terphenyl-d14
Concen: 4.79 ng
RT: 20.16 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:244 Resp: 29179

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.7	10.1
122	4.4	3.6	5.4



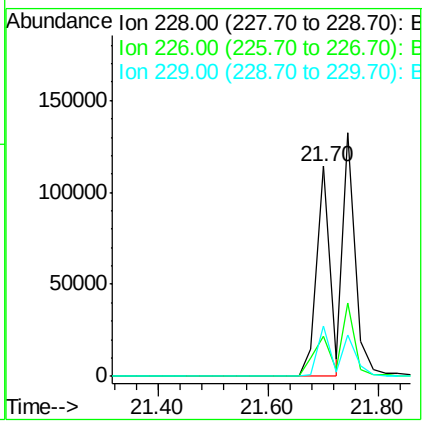


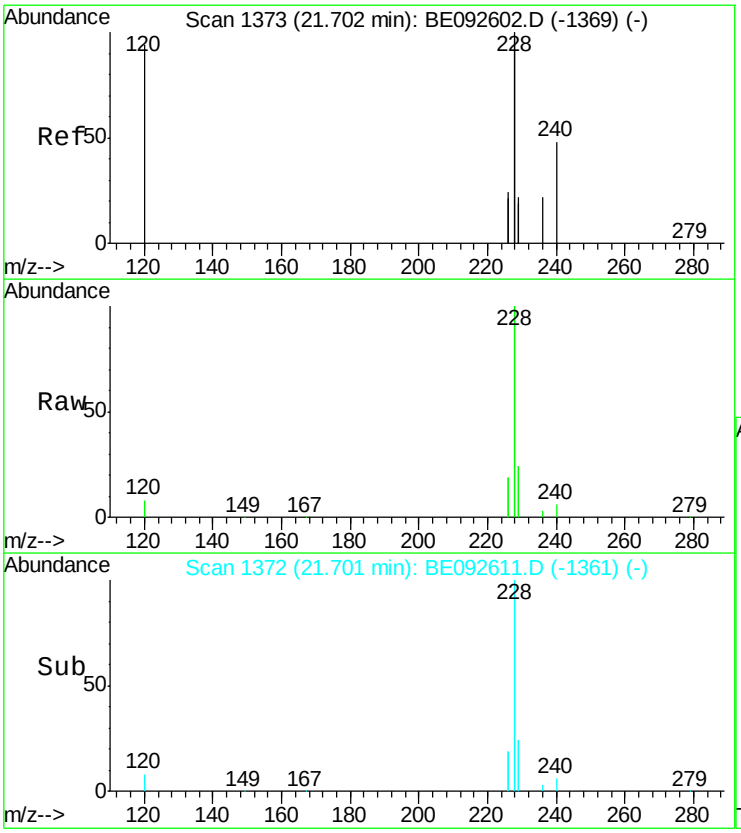
#27
Benzo(a)anthracene
Concen: 4.21 ng
RT: 21.70 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:228 Resp: 187831

Ion	Ratio	Lower	Upper
228	100		
226	19.2	23.6	35.4#
229	24.2	13.3	19.9#

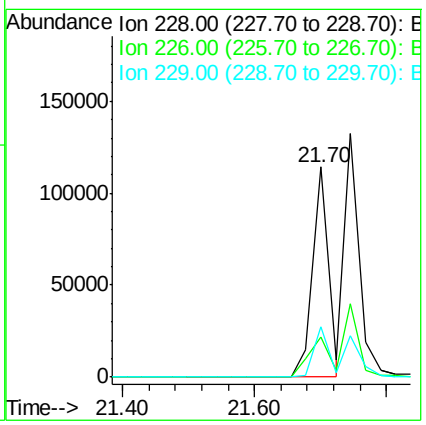


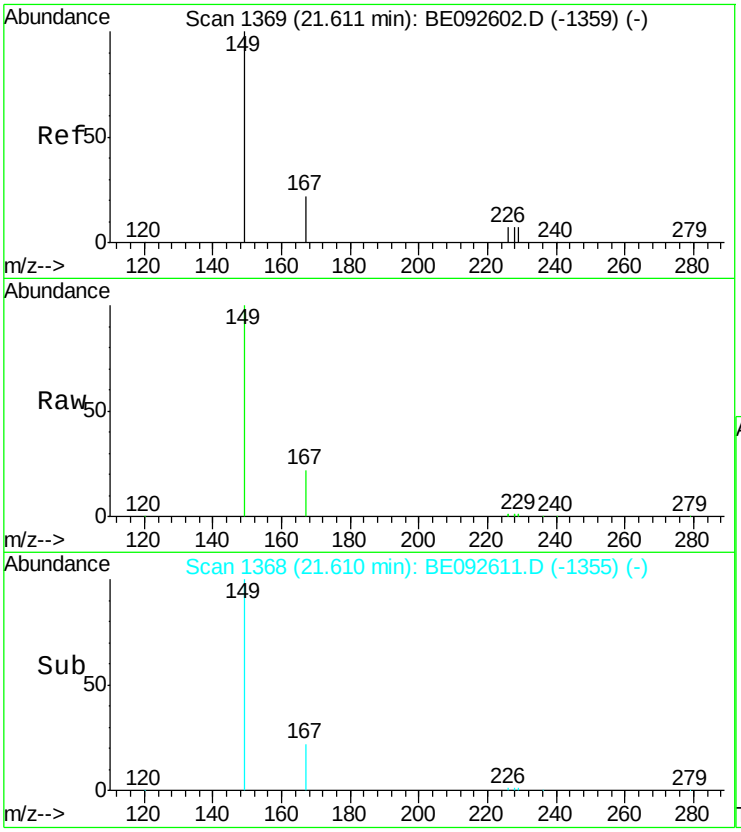


#28
Chrysene
Concen: 3.64 ng
RT: 21.70 min Scan# 1372
Delta R.T. -0.05 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:228 Resp: 187840

Ion	Ratio	Lower	Upper
228	100		
226	19.2	36.3	54.5#
229	24.2	10.6	16.0#



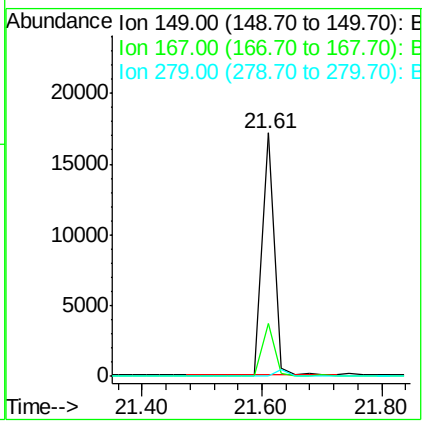


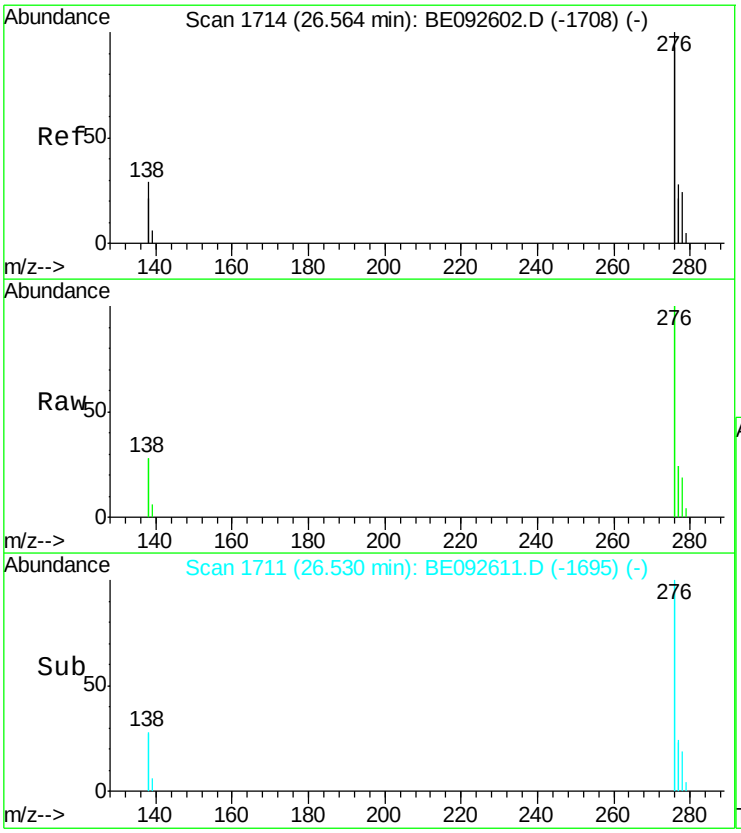
#29
Bis(2-ethylhexyl)phthalate
Concen: 3.76 ng
RT: 21.61 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:149 Resp: 24361

Ion	Ratio	Lower	Upper
149	100		
167	22.2	16.0	24.0
279	0.0	16.0	24.0#

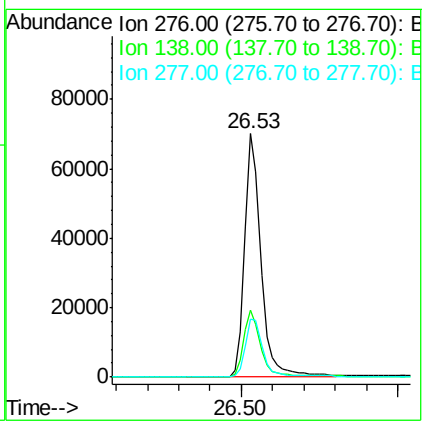


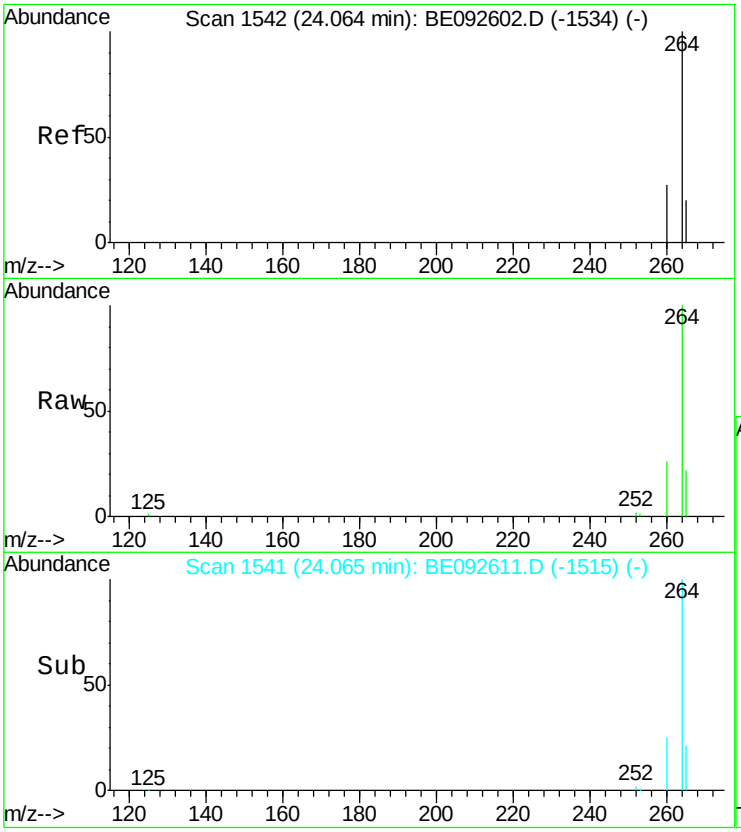


#30
Indeno(1,2,3-cd)pyrene
Concen: 5.40 ng
RT: 26.53 min Scan# 1711
Delta R.T. -0.03 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:276 Resp: 252199

Ion	Ratio	Lower	Upper
276	100		
138	28.2	20.3	30.5
277	24.8	19.7	29.5



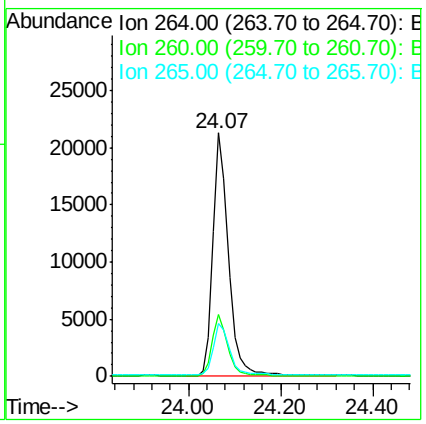


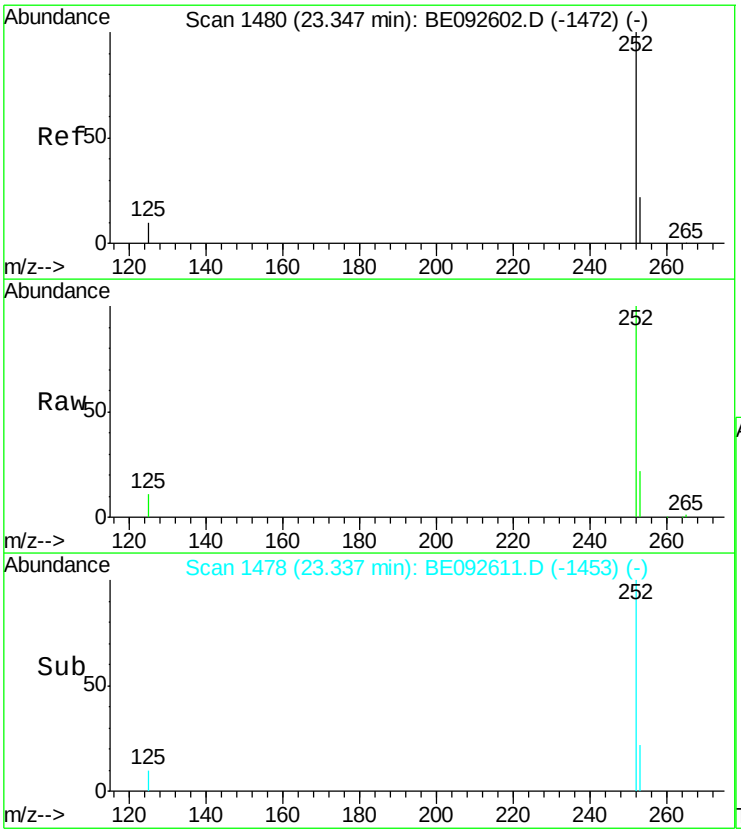
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.07 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:264 Resp: 49975

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	21.5	17.9	26.9

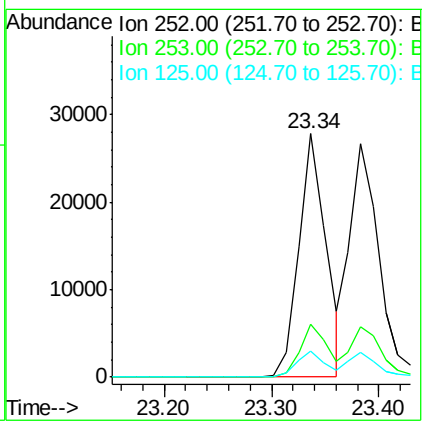


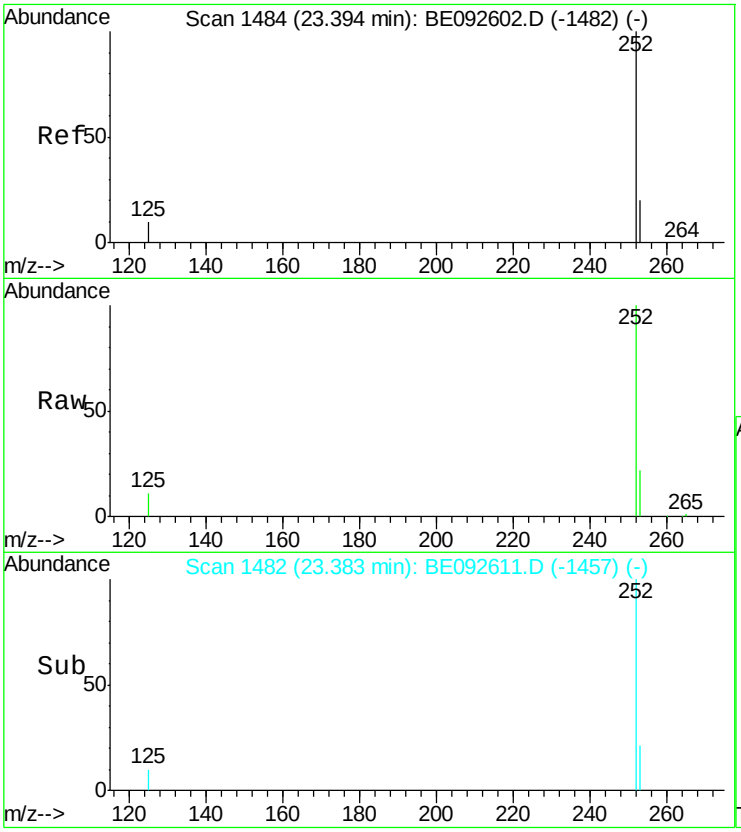


#32
Benzo(b)fluoranthene
Concen: 4.24 ng
RT: 23.34 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:252 Resp: 48742

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.7	28.1
125	10.7	10.5	15.7



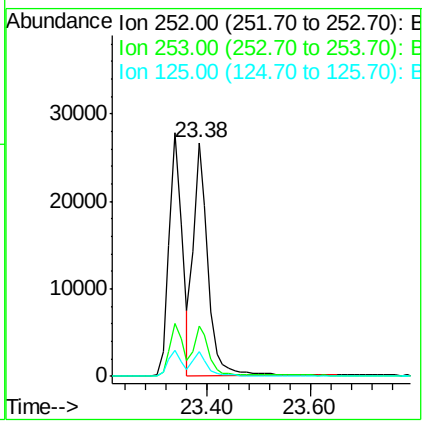


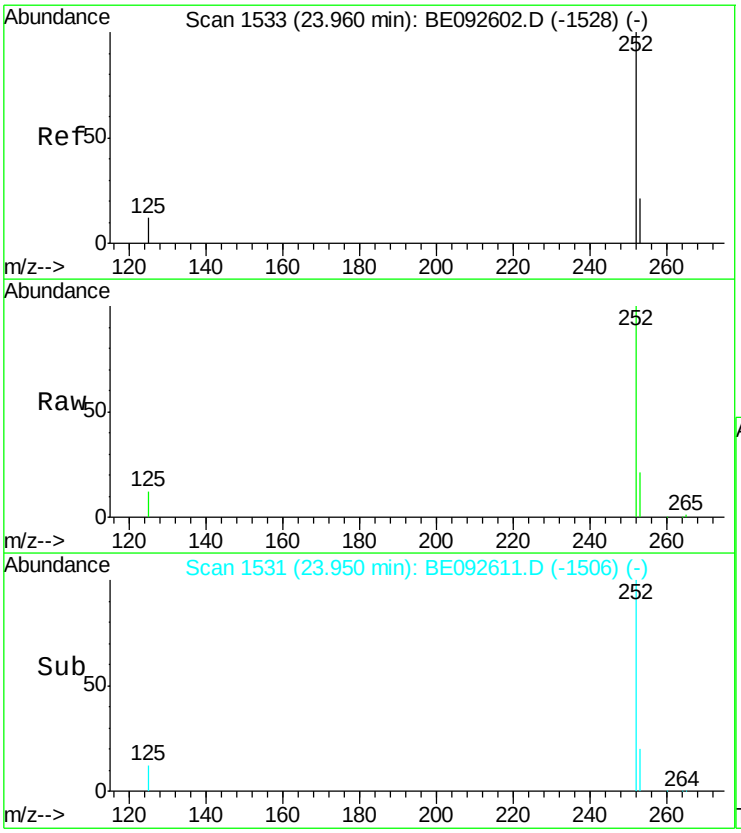
#33
Benzo(k)fluoranthene
Concen: 4.05 ng
RT: 23.38 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:252 Resp: 51898

Ion	Ratio	Lower	Upper
252	100		
253	21.6	20.3	30.5
125	10.7	9.6	14.4

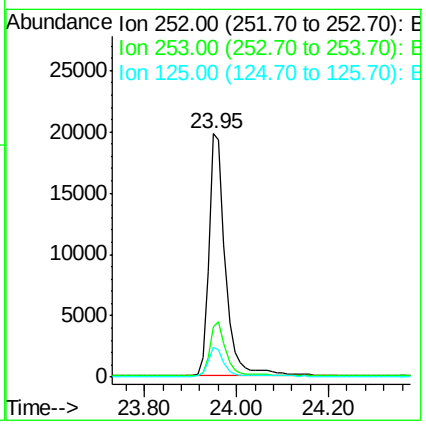


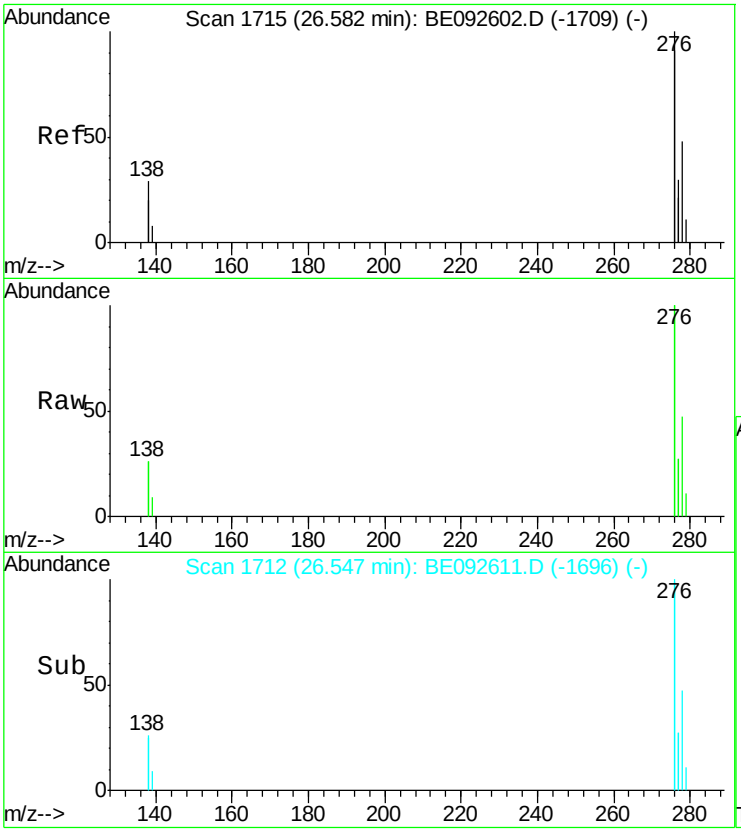


#34
Benzo(a)pyrene
Concen: 4.44 ng
RT: 23.95 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:252 Resp: 49239

Ion	Ratio	Lower	Upper
252	100		
253	20.6	19.0	28.6
125	12.4	11.8	17.8



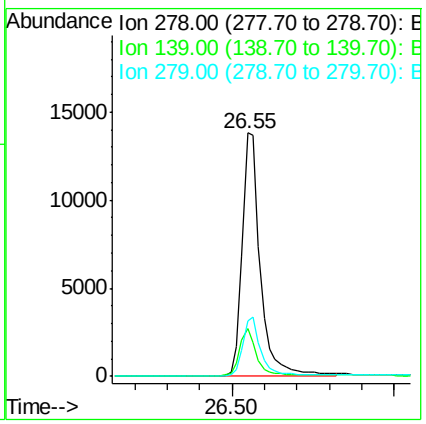


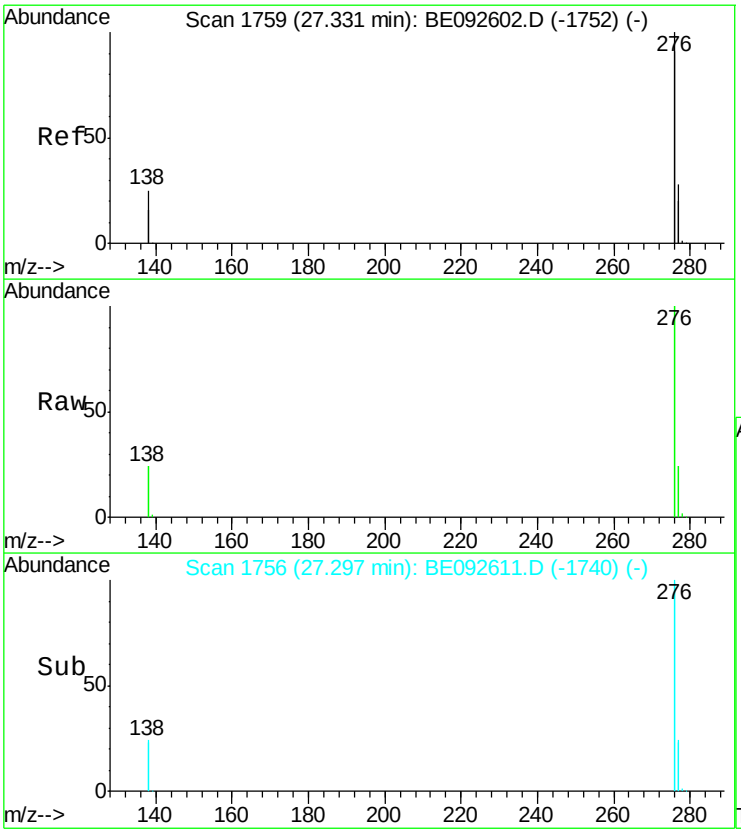
#35
Dibenzo(a,h)anthracene
Concen: 5.02 ng
RT: 26.55 min Scan# 1712
Delta R.T. -0.03 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Instrument :
BNA_E
ClientSampleId :
PB95417BSD

Tgt Ion:278 Resp: 52925

Ion	Ratio	Lower	Upper
278	100		
139	19.7	13.8	20.8
279	23.0	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 4.85 ng
RT: 27.30 min Scan# 1756
Delta R.T. -0.03 min
Lab File: BE092611.D
Acq: 19 Dec 2016 17:17

Tgt Ion:276 Resp: 219025

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.8	29.8
138	23.5	19.8	29.6