Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
Data File : BE092842.D
Acq On : 28 Mar 2017 18:30
Operator : SJ/MA
Sample : PB97610BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB97610BS

Quant Time: Mar 29 04:56:47 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 28 14:58:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	8128	5.00	ng		0.00
7) Naphthalene-d8	10.55	136	34362	5.00	ng		0.00
12) Acenaphthene-d10	14.40	164	15651	5.00	ng		0.00
18) Phenanthrene-d10	17.16	188	30036	5.00	ng		0.00
24) Chrysene-d12	21.28	240	33650	5.00	ng		-0.02
31) Perylene-d12	23.71	264	28709	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	19946	10.54	ng		0.00
5) Phenol-d6	6.94	99	28211	10.16	ng		0.00
8) Nitrobenzene-d5	8.93	82	10221	5.18	ng		0.00
13) 2,4,6-Tribromophenol	15.88	330	3108	12.71	ng		0.00
14) 2-Fluorobiphenyl	13.02	172	24642	4.78	ng		-0.01
26) Terphenyl-d14	19.76	244	23248	4.00	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	4057	3.73	ng		98
3) n-Nitrosodimethylamine	3.61	42	5839	5.20	ng		82
6) bis(2-Chloroethyl)ether	7.20	93	12746	4.82	ng	#	44
9) Naphthalene	10.58	128	35805	4.76	ng	#	95
10) Hexachlorobutadiene	10.89	225	4872	4.83	ng		99
11) 2-Methylnaphthalene	12.21	142	22512	4.71	ng		95
15) Acenaphthylene	14.11	152	122896	5.12	ng		100
16) Acenaphthene	14.45	154	21408	5.00	ng		100
17) Fluorene	15.44	166	25236	4.95	ng		99
19) Hexachlorobenzene	16.47	284	6491	5.83	ng	#	67
20) Pentachlorophenol	16.81	266	4046	10.91	ng	#	86
21) Phenanthrene	17.18	178	42255	5.78	ng	#	94
22) Anthracene	17.27	178	39803	5.99	ng		99
23) Fluoranthene	19.18	202	168088	5.00	ng		98
25) Pyrene	19.54	202	179756	5.37	ng		98
27) Benzo(a)anthracene	21.26	228	43555	5.46	ng		98
28) Chrysene	21.31	228	41743	4.96	ng	#	84
29) Bis(2-ethylhexyl)phthalate	21.21	149	12861	4.40	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.25	276	181366	5.73	ng	#	93
32) Benzo(b)fluoranthene	22.96	252	37588	4.92	ng		96
33) Benzo(k)fluoranthene	23.02	252	40031	5.85	ng		96
34) Benzo(a)pyrene	23.60	252	35209	5.57	ng		97
35) Dibenzo(a,h)anthracene	26.27	278	38811	5.78	ng	#	91
36) Benzo(g,h,i)perylene	27.02	276	159200	5.72	ng		95

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

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PB97610BS

Quant Time: Mar 29 04:56:47 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 28 14:58:05 2017
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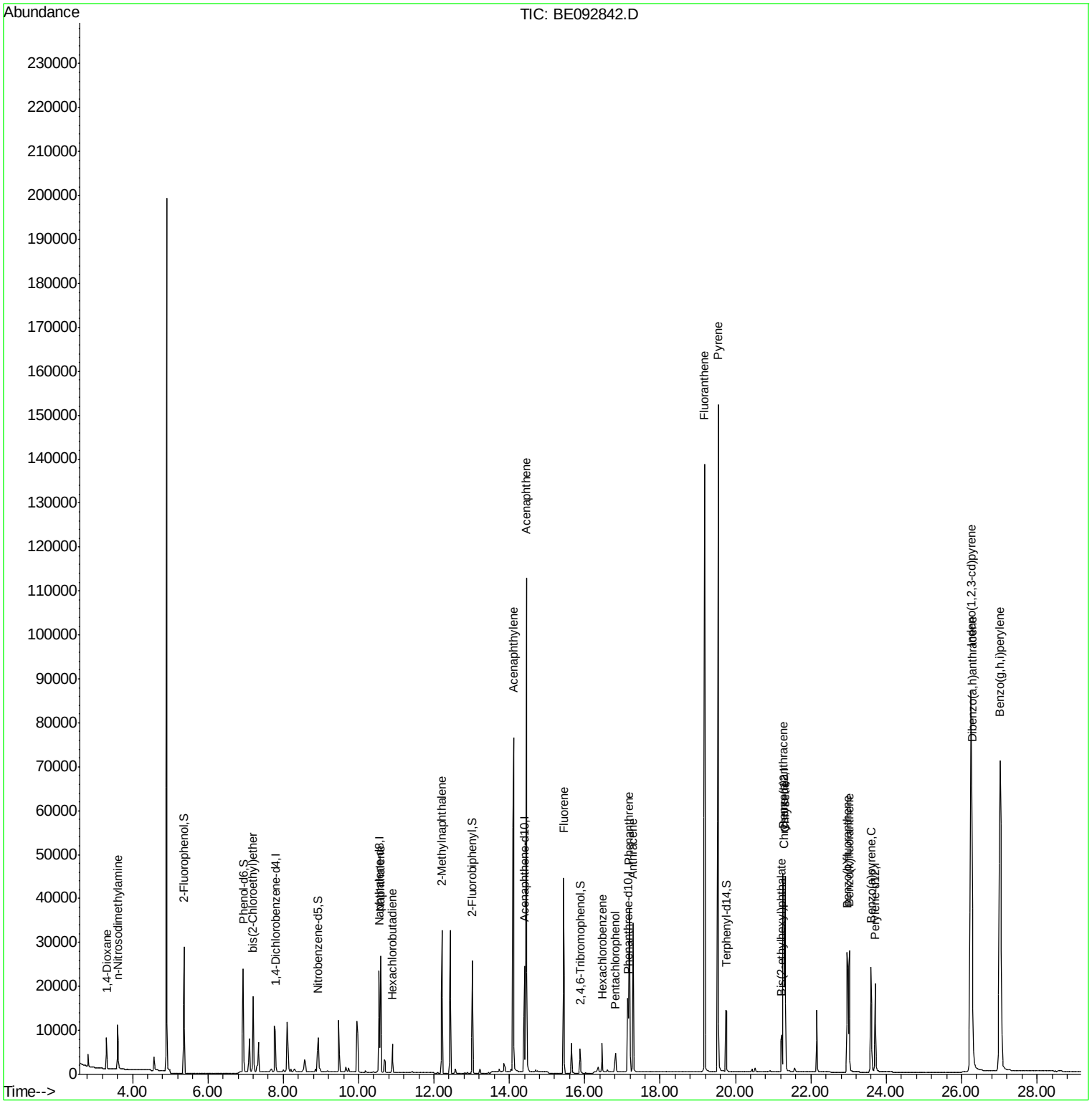
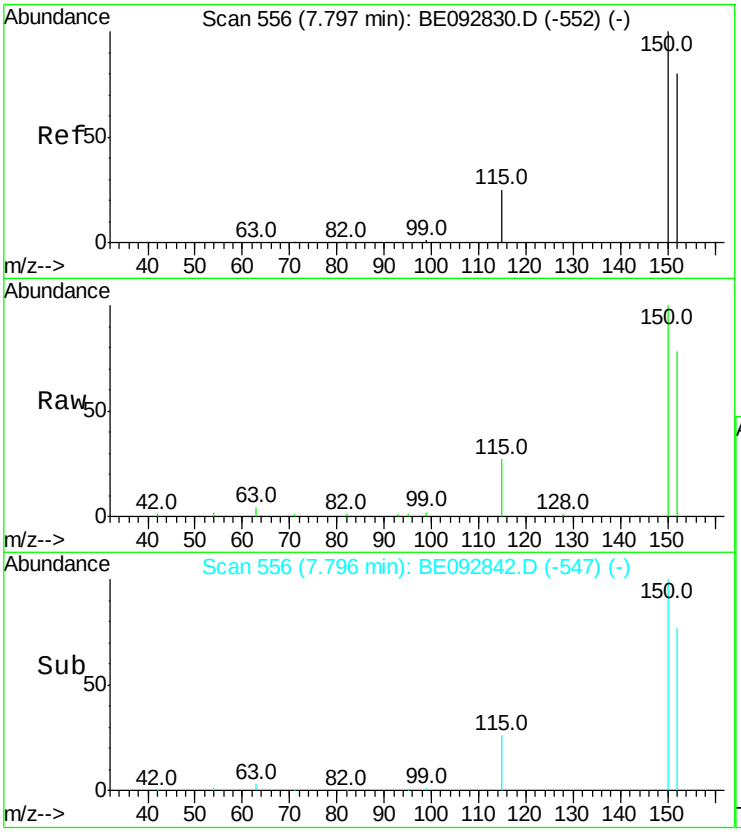


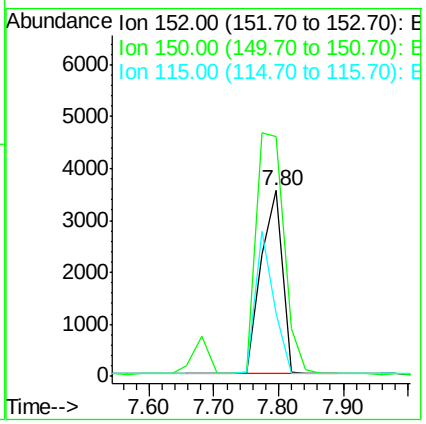


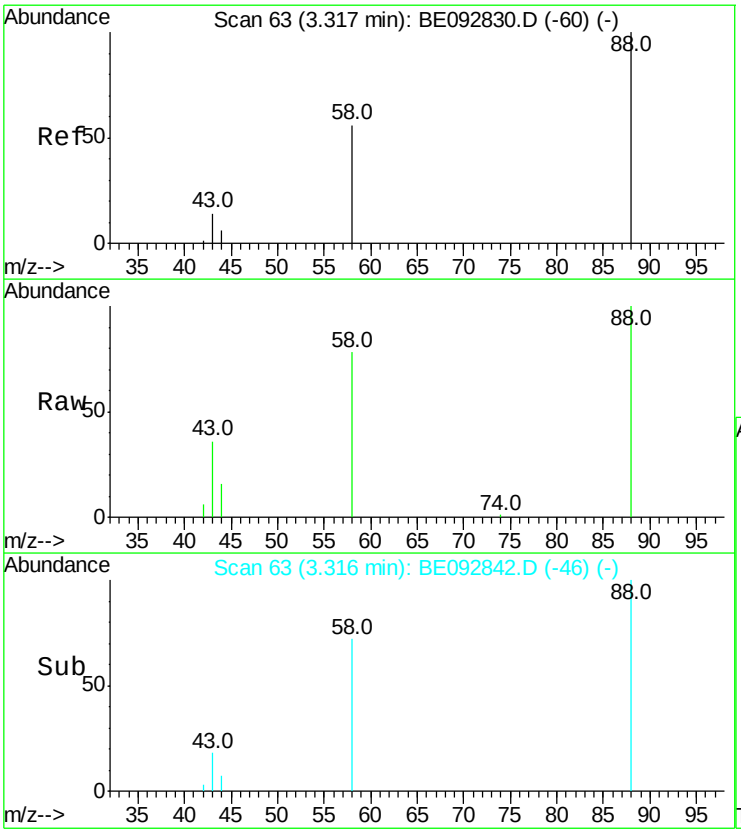
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 556
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:152 Resp: 8128

Ion	Ratio	Lower	Upper
152	100		
150	128.9	106.0	159.0
115	34.3	31.2	46.8

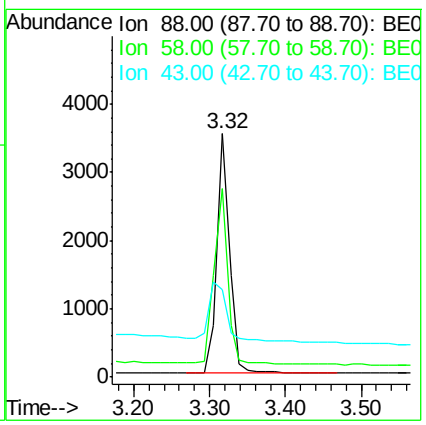


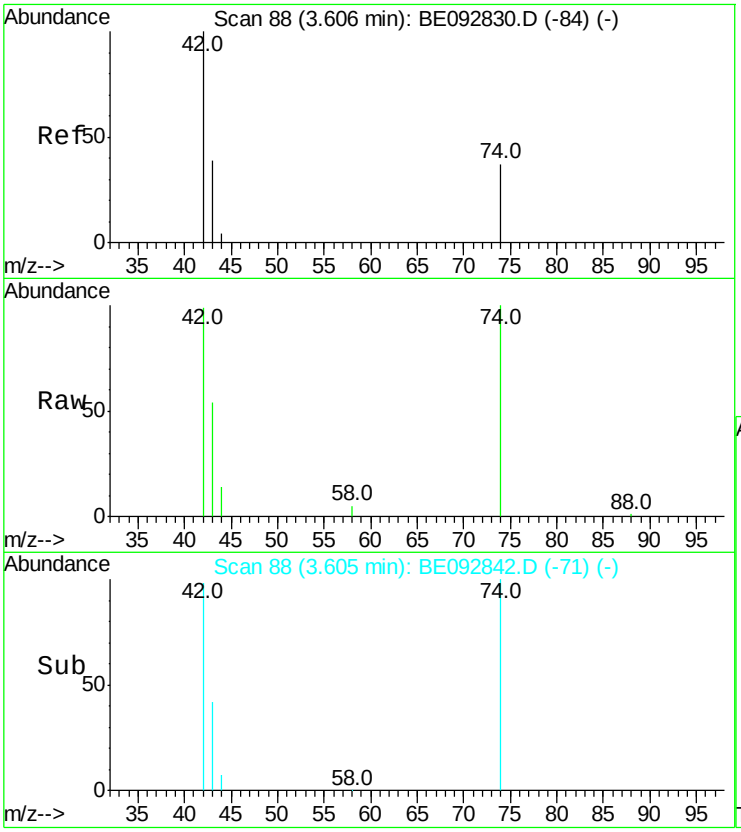


#2
1,4-Dioxane
Concen: 3.73 ng
RT: 3.32 min Scan# 63
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion: 88 Resp: 4057

Ion	Ratio	Lower	Upper
88	100		
58	79.3	63.6	95.4
43	39.2	28.0	42.0



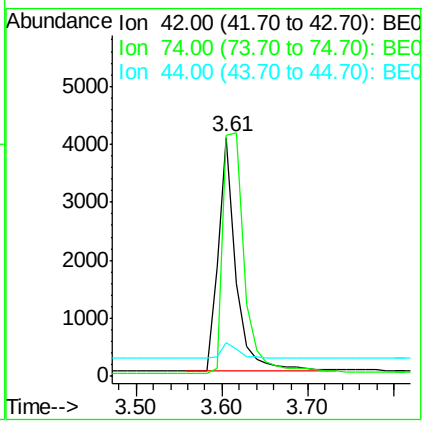


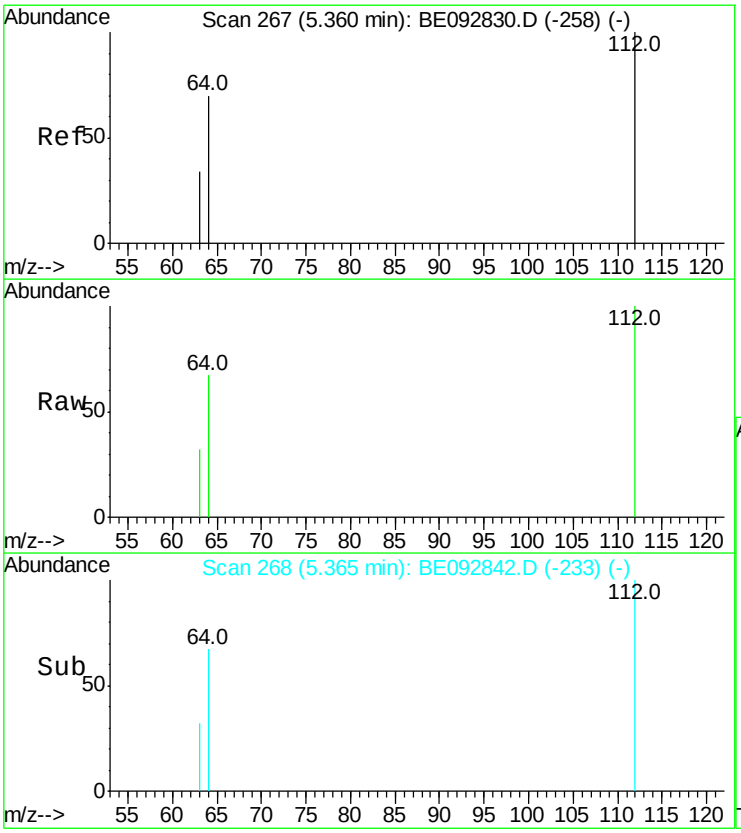
#3
n-Nitrosodimethylamine
Concen: 5.20 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion: 42 Resp: 5839

Ion	Ratio	Lower	Upper
42	100		
74	127.8	86.0	129.0
44	6.9	5.1	7.7

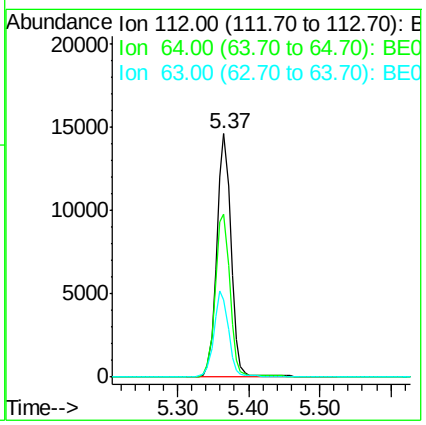


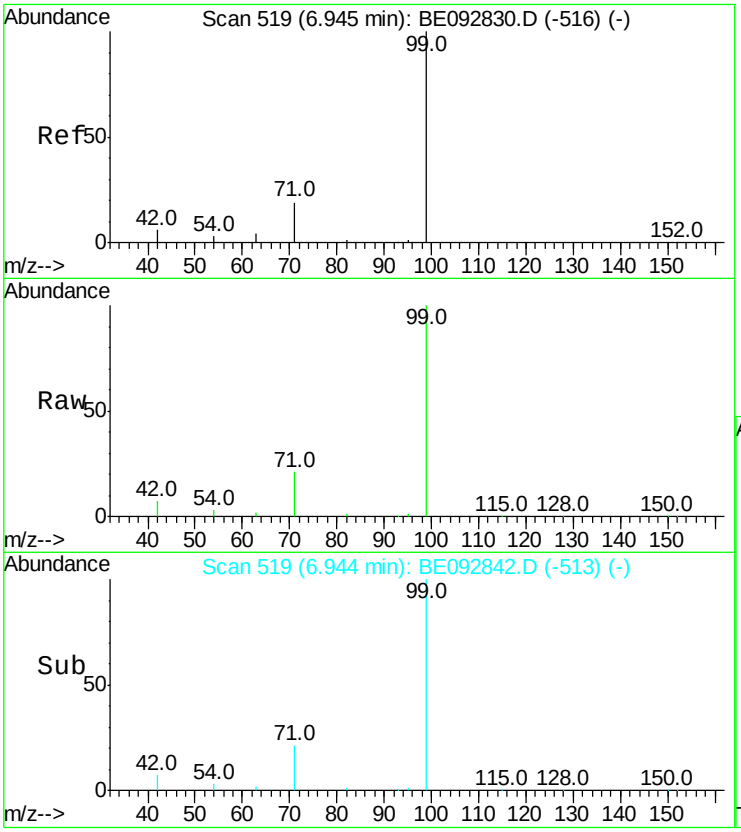


#4
2-Fluorophenol
Concen: 10.54 ng
RT: 5.37 min Scan# 268
Delta R.T. 0.01 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:112 Resp: 19946

Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.5	80.3
63	35.5	27.9	41.9



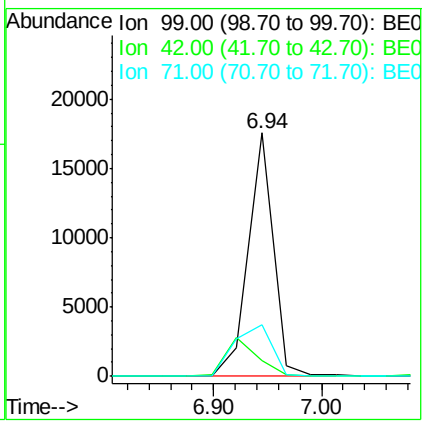


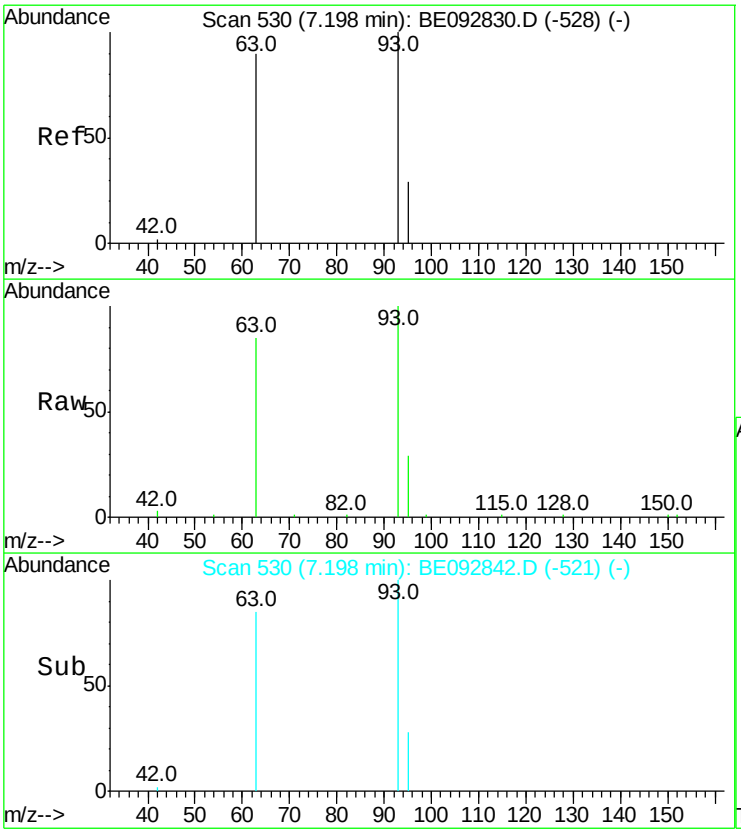
#5
Phenol-d6
Concen: 10.16 ng
RT: 6.94 min Scan# 519
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion: 99 Resp: 28211

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

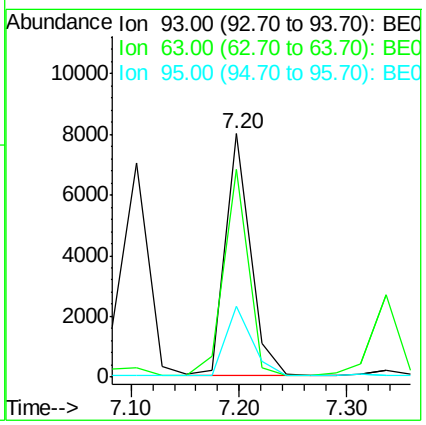


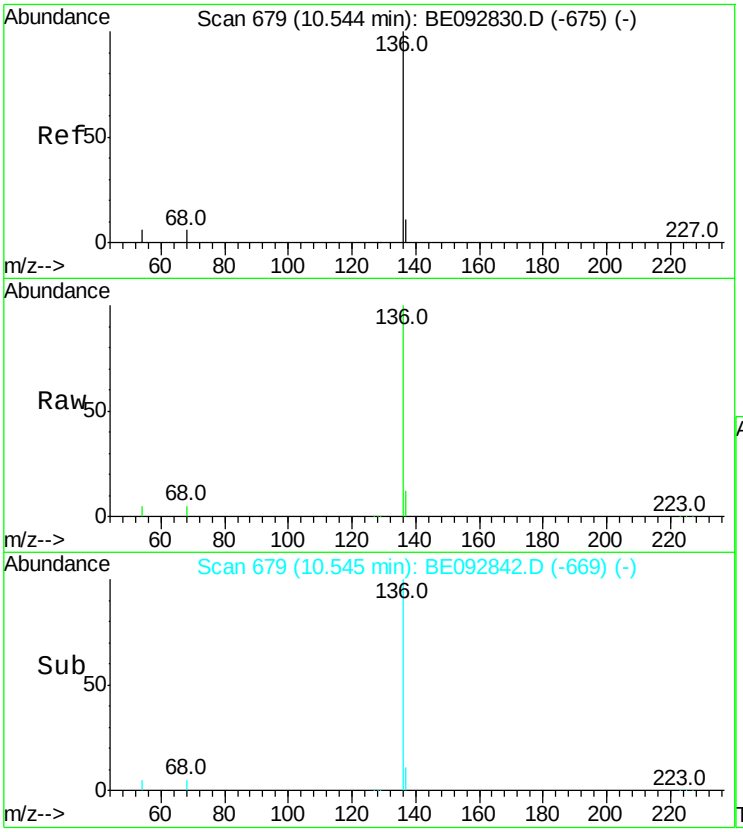


#6
bis(2-Chloroethyl)ether
Concen: 4.82 ng
RT: 7.20 min Scan# 530
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion: 93 Resp: 12746

Ion	Ratio	Lower	Upper
93	100		
63	84.1	16.0	24.0#
95	30.4	24.0	36.0



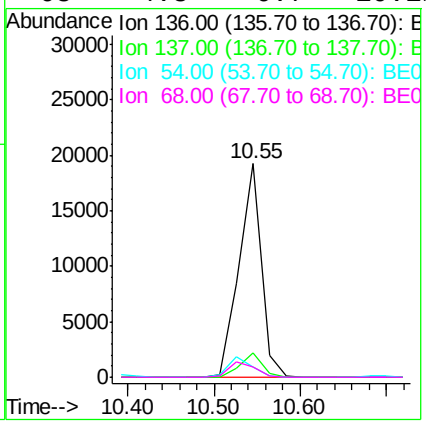


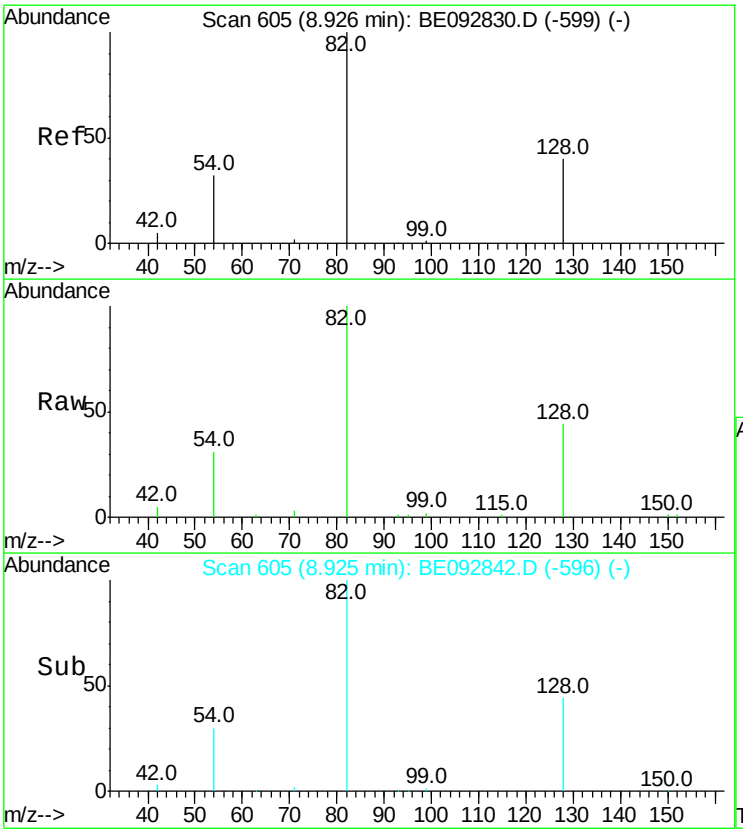
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:136 Resp: 34362

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	4.8	9.6	14.4#
68	4.8	6.7	10.1#

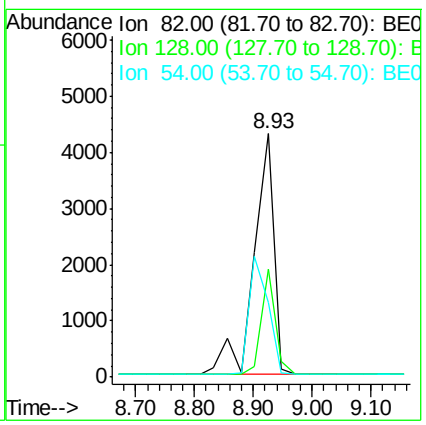


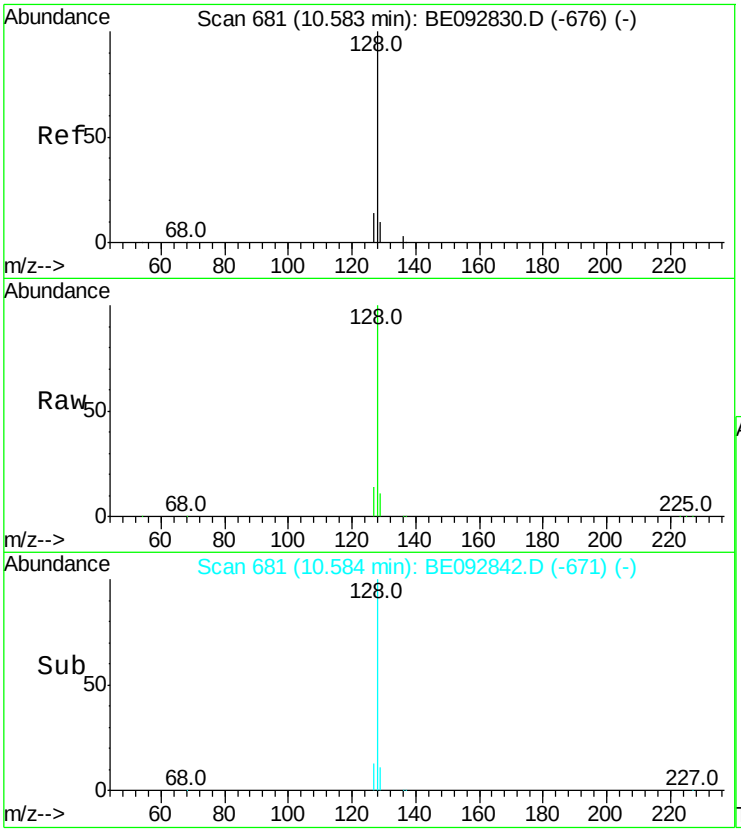


#8
Nitrobenzene-d5
Concen: 5.18 ng
RT: 8.93 min Scan# 605
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion: 82 Resp: 10221

Ion	Ratio	Lower	Upper
82	100		
128	44.5	39.0	58.4
54	30.8	44.8	67.2#



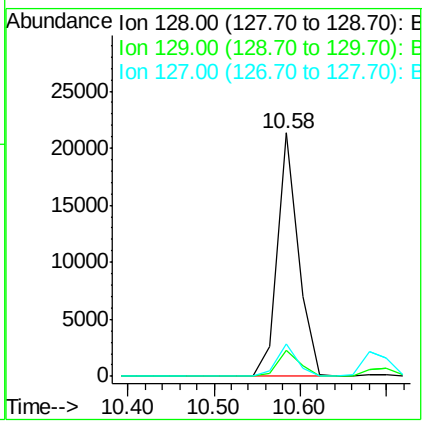


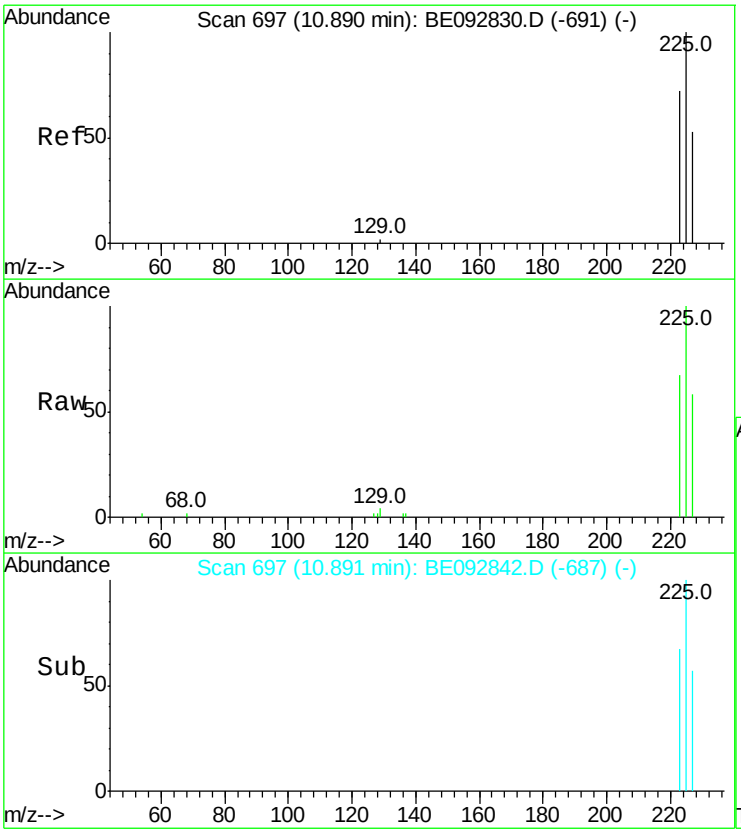
#9
Naphthalene
Concen: 4.76 ng
RT: 10.58 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:128 Resp: 35805

Ion	Ratio	Lower	Upper
128	100		
129	10.7	11.2	16.8#
127	13.6	11.6	17.4

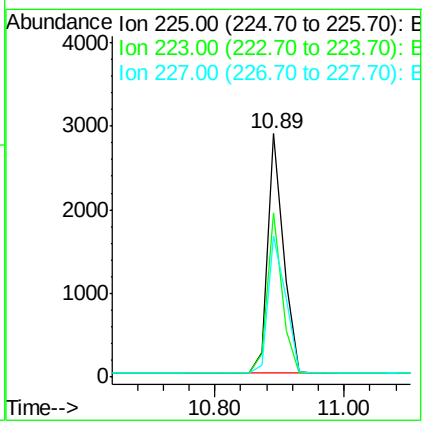


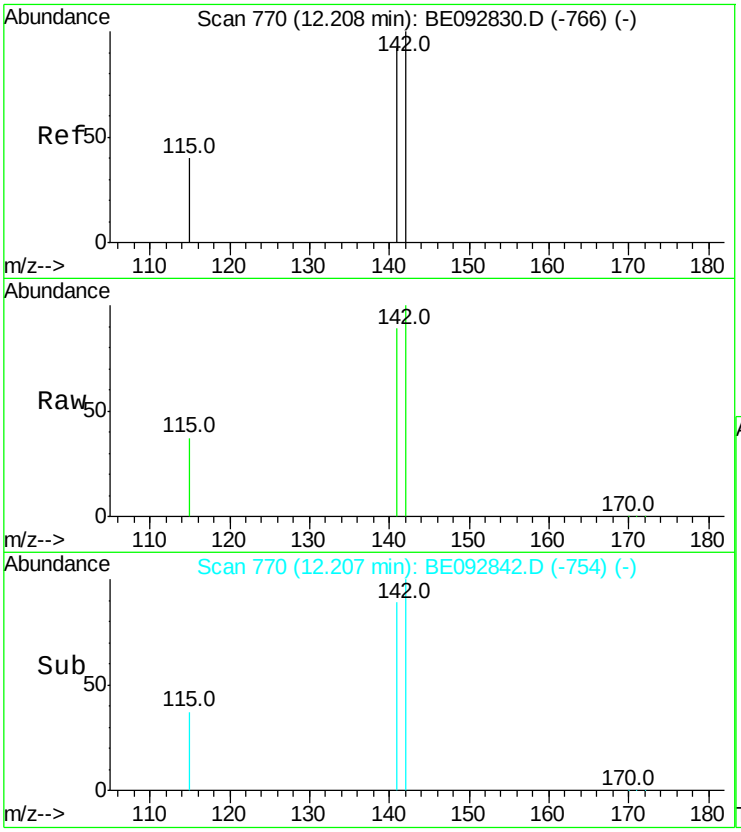


#10
Hexachlorobutadiene
Concen: 4.83 ng
RT: 10.89 min Scan# 697
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:225 Resp: 4872

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	62.9	51.4	77.0



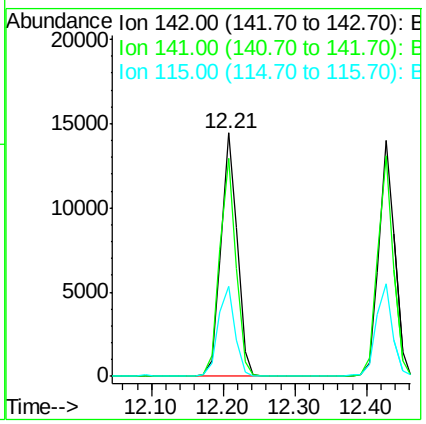


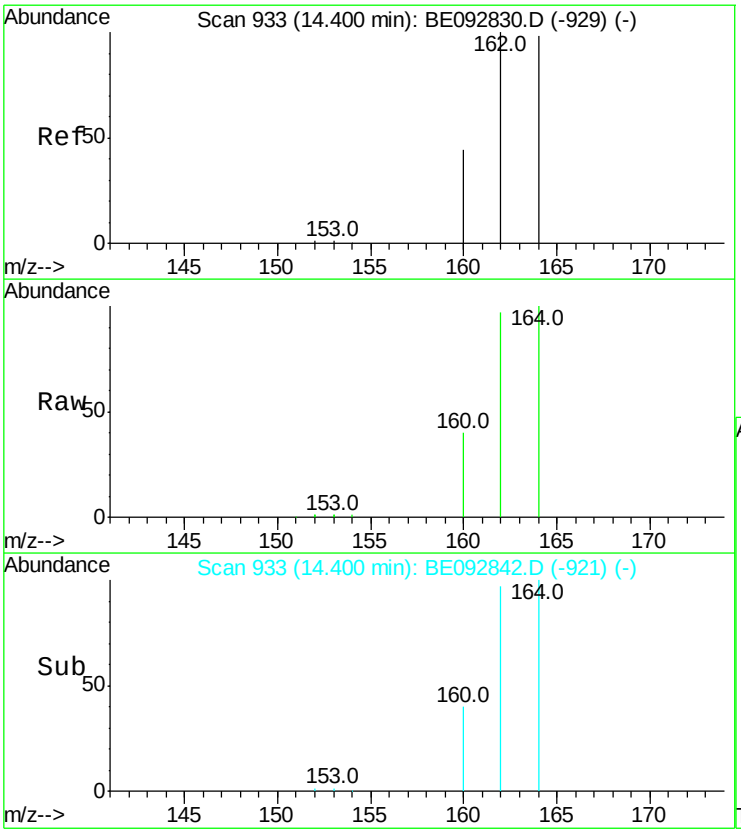
#11
2-Methylnaphthalene
Concen: 4.71 ng
RT: 12.21 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:142 Resp: 22512

Ion	Ratio	Lower	Upper
142	100		
141	89.4	73.7	110.5
115	36.8	34.0	51.0

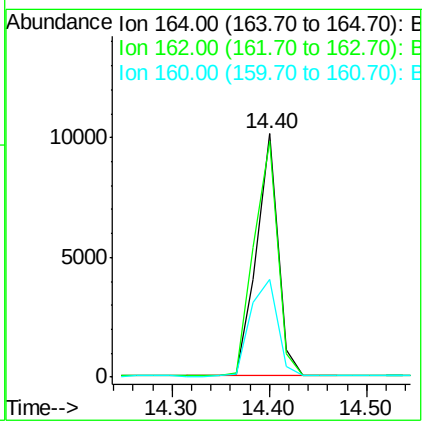


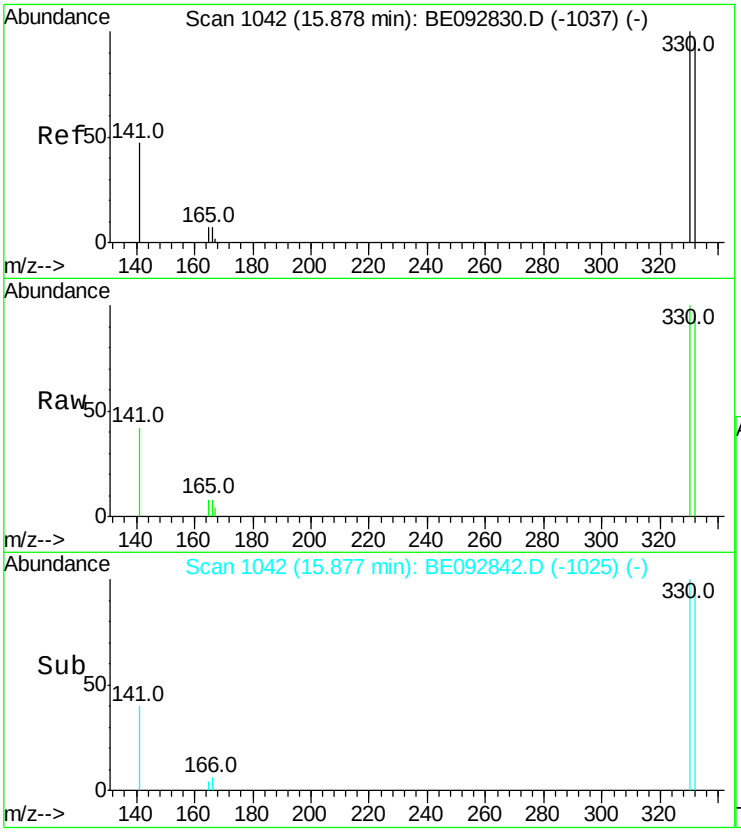


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 933
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:164 Resp: 15651

Ion	Ratio	Lower	Upper
164	100		
162	96.9	71.4	107.0
160	40.2	27.4	41.2



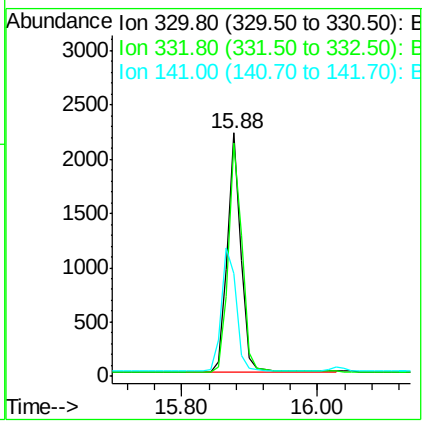


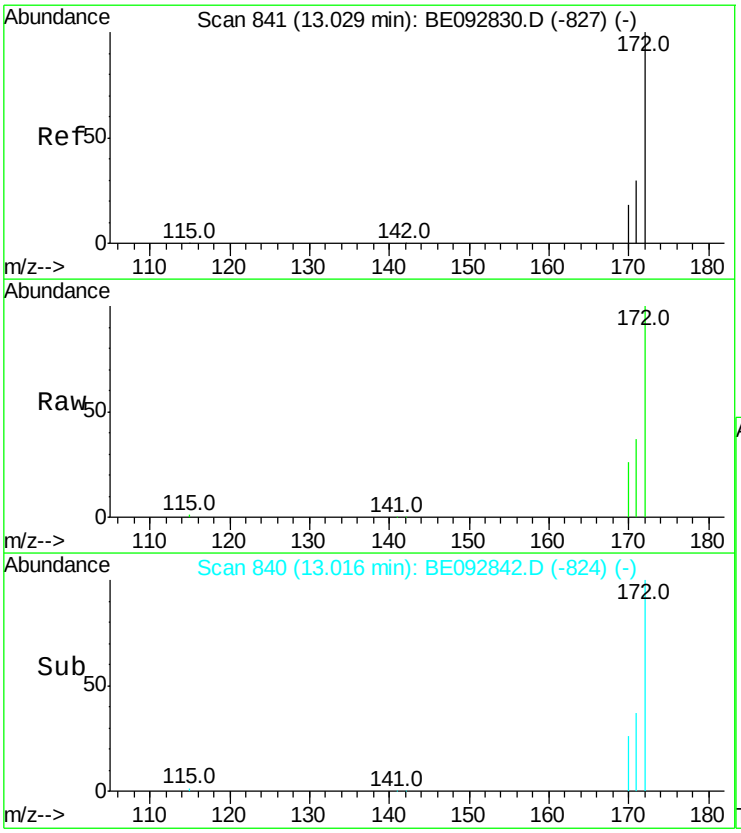
#13
2,4,6-Tribromophenol
Concen: 12.71 ng
RT: 15.88 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:330 Resp: 3108

Ion	Ratio	Lower	Upper
330	100		
332	97.9	75.4	113.0
141	57.2	31.0	46.6#

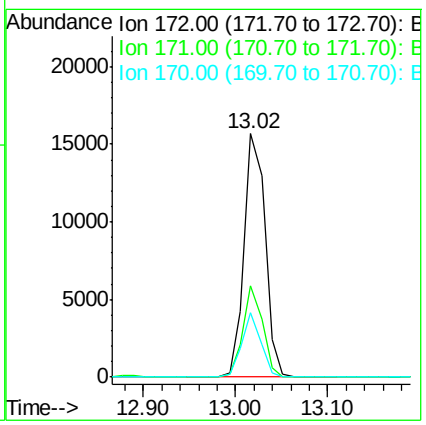


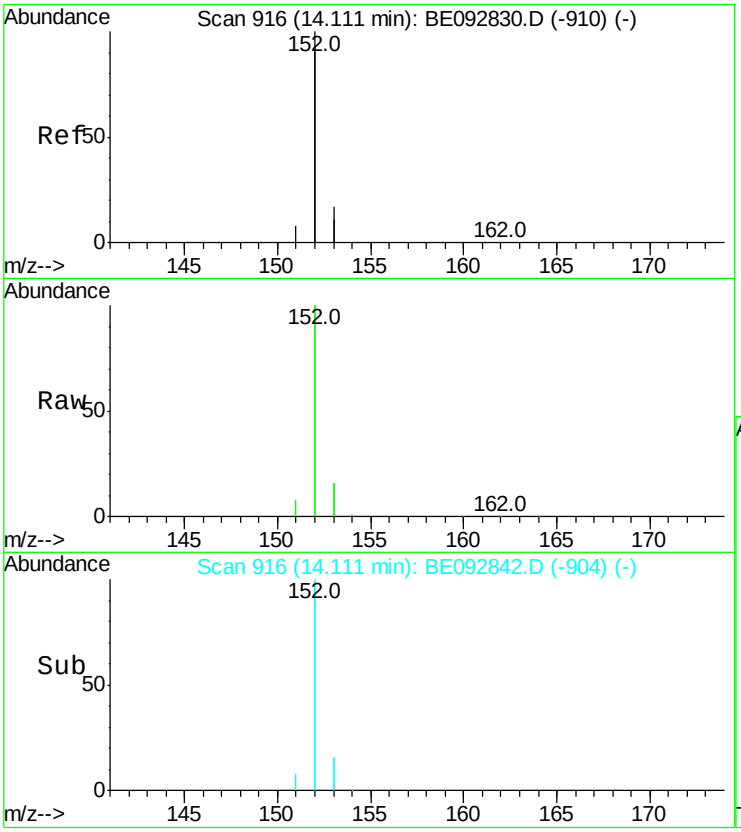


#14
2-Fluorobiphenyl
Concen: 4.78 ng
RT: 13.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:172 Resp: 24642

Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.1	45.1
170	26.3	21.8	32.6



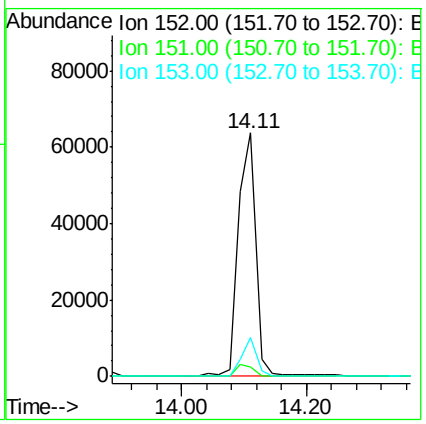


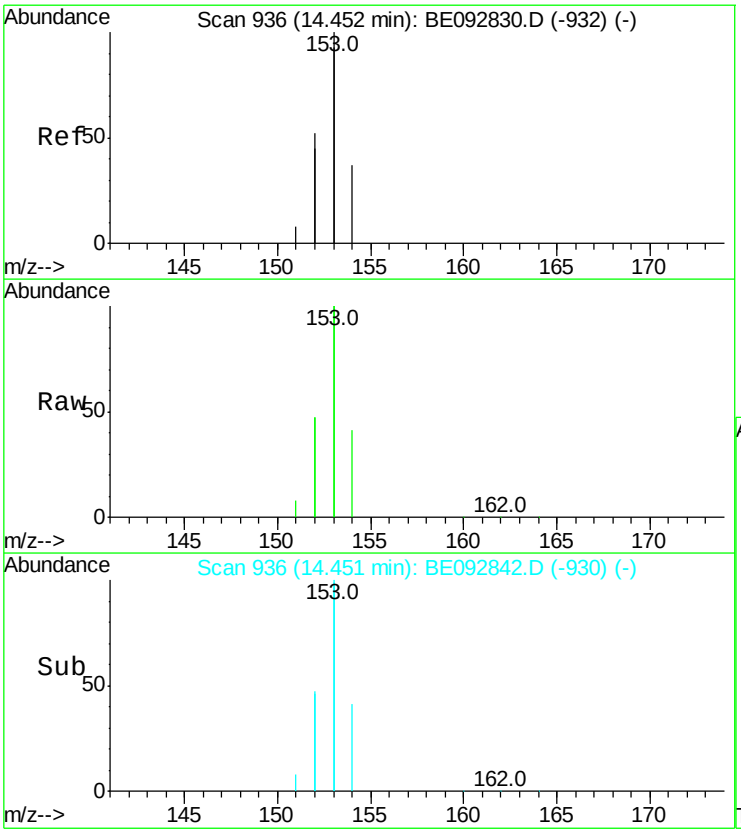
#15
Acenaphthylene
Concen: 5.12 ng
RT: 14.11 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:152 Resp: 122896

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

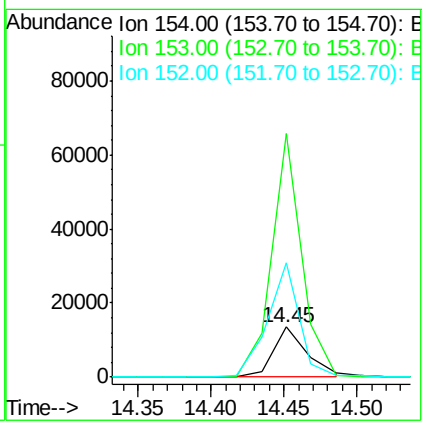


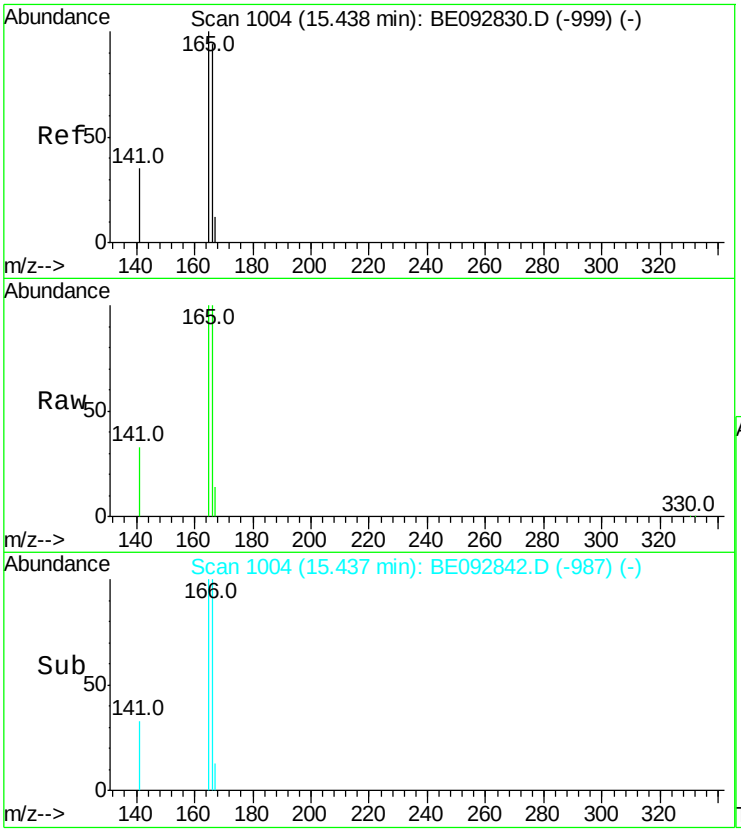


#16
Acenaphthene
Concen: 5.00 ng
RT: 14.45 min Scan# 936
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:154 Resp: 21408

Ion	Ratio	Lower	Upper
154	100		
153	437.4	350.8	526.2
152	214.5	171.1	256.7



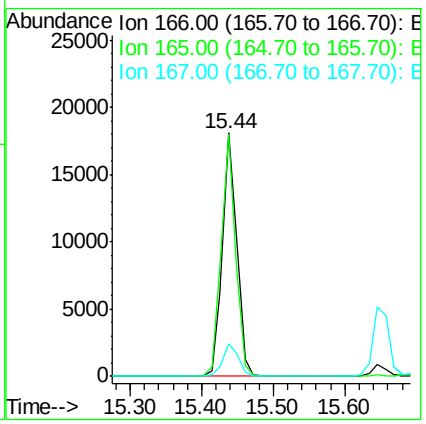


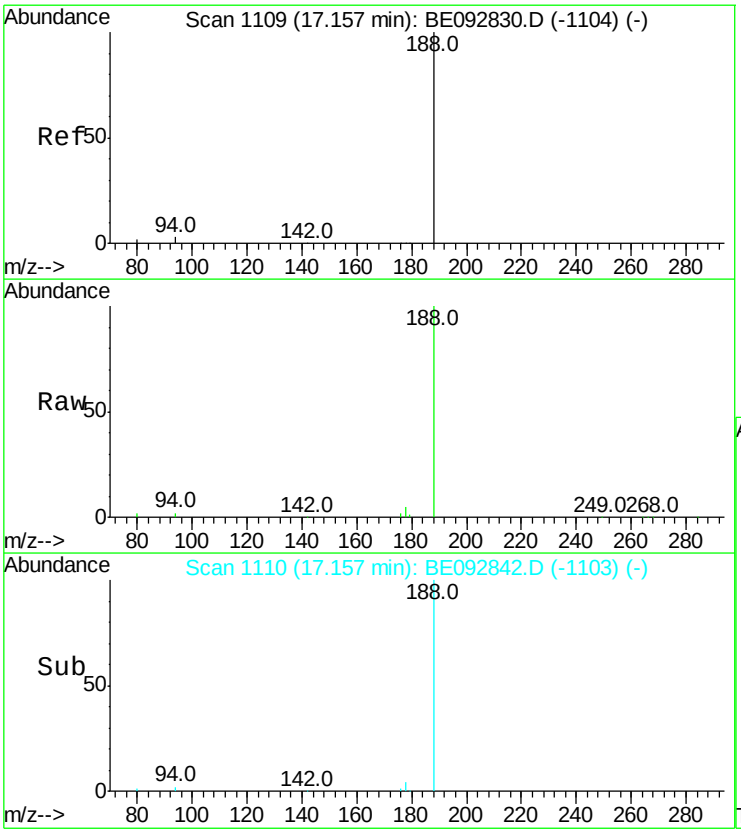
#17
Fluorene
Concen: 4.95 ng
RT: 15.44 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:166 Resp: 25236

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	14.1	11.0	16.4

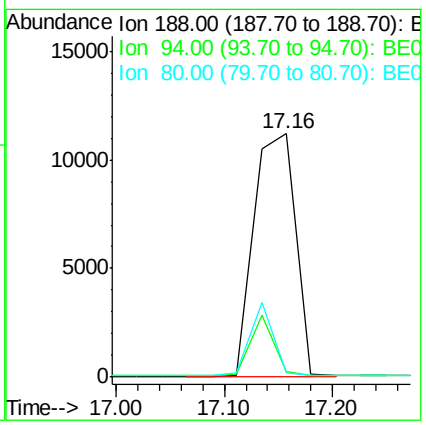


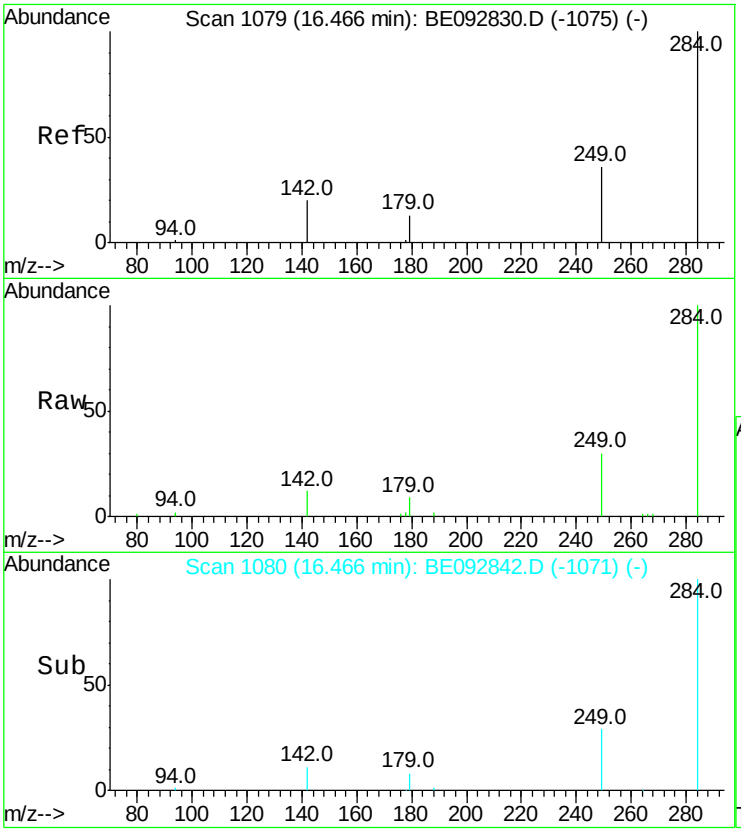


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:188 Resp: 30036

Ion	Ratio	Lower	Upper
188	100		
94	2.2	3.2	4.8#
80	1.8	2.6	3.8#



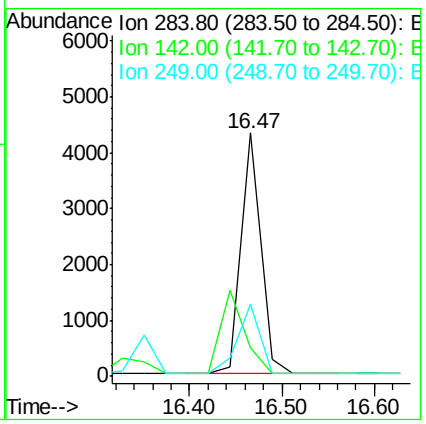


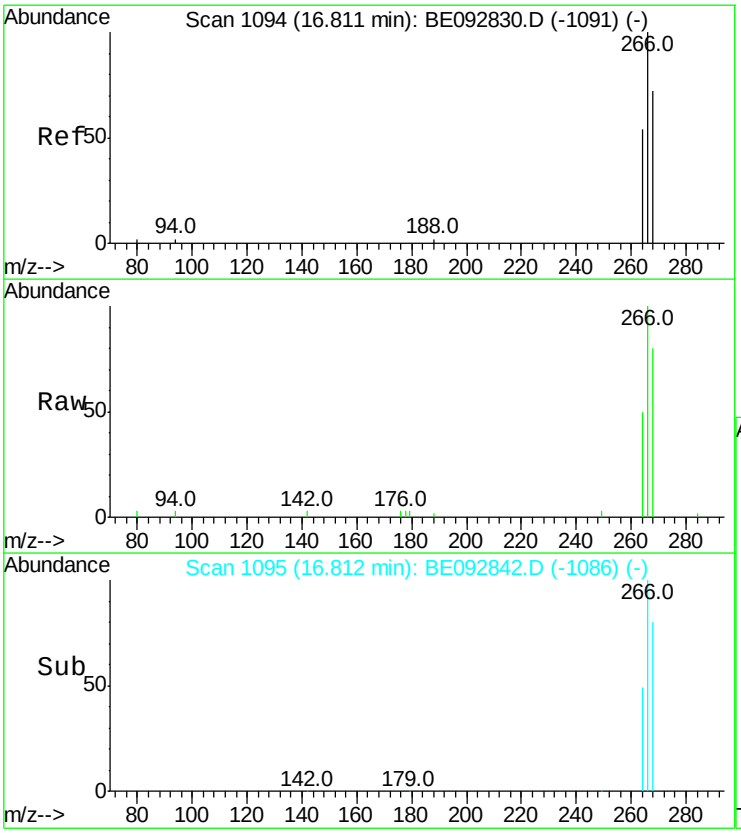
#19
Hexachlorobenzene
Concen: 5.83 ng
RT: 16.47 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:284 Resp: 6491

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	32.9	27.9	41.9

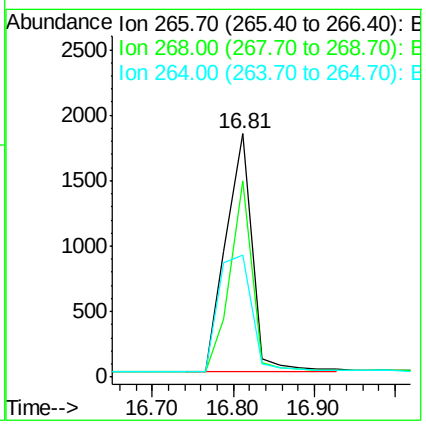


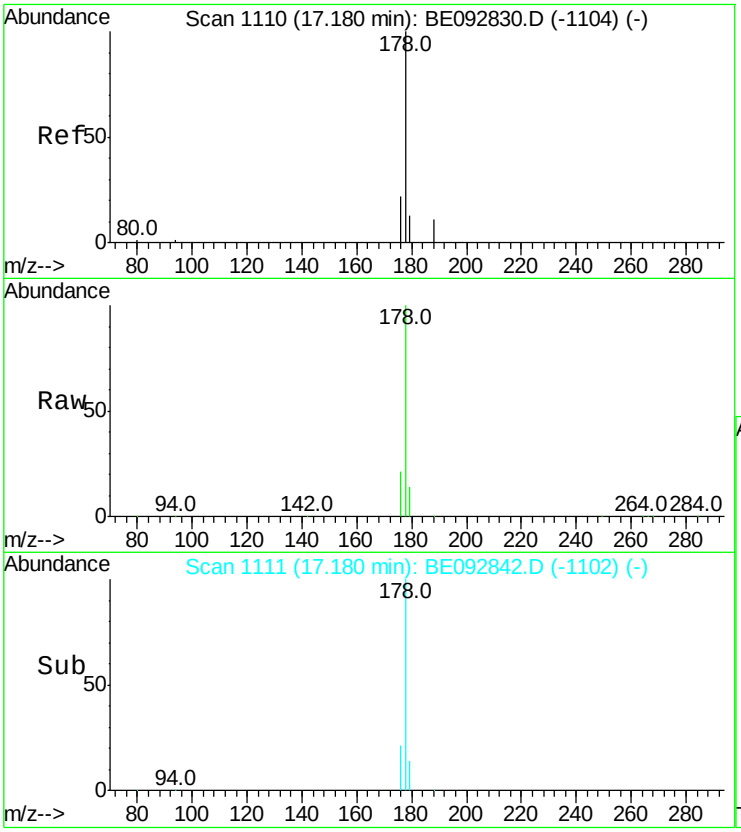


#20
Pentachlorophenol
Concen: 10.91 ng
RT: 16.81 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:266 Resp: 4046

Ion	Ratio	Lower	Upper
266	100		
268	80.4	62.5	93.7
264	50.0	57.2	85.8#



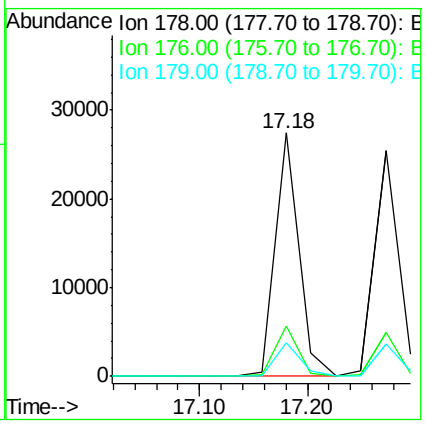


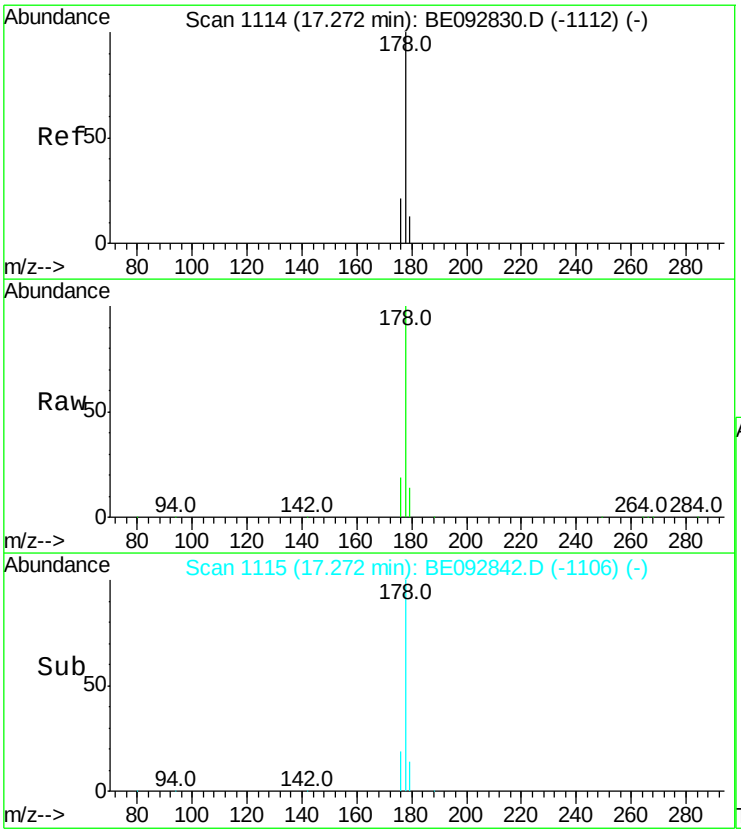
#21
Phenanthrene
Concen: 5.78 ng
RT: 17.18 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:178 Resp: 42255

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	14.6	16.0	24.0#

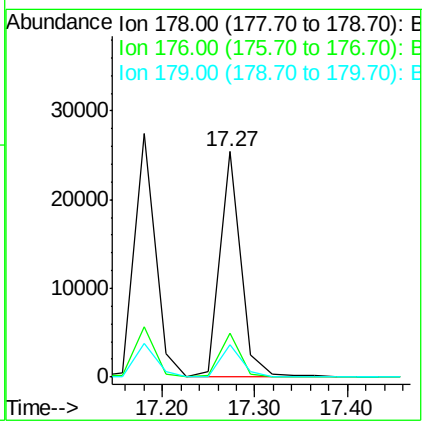


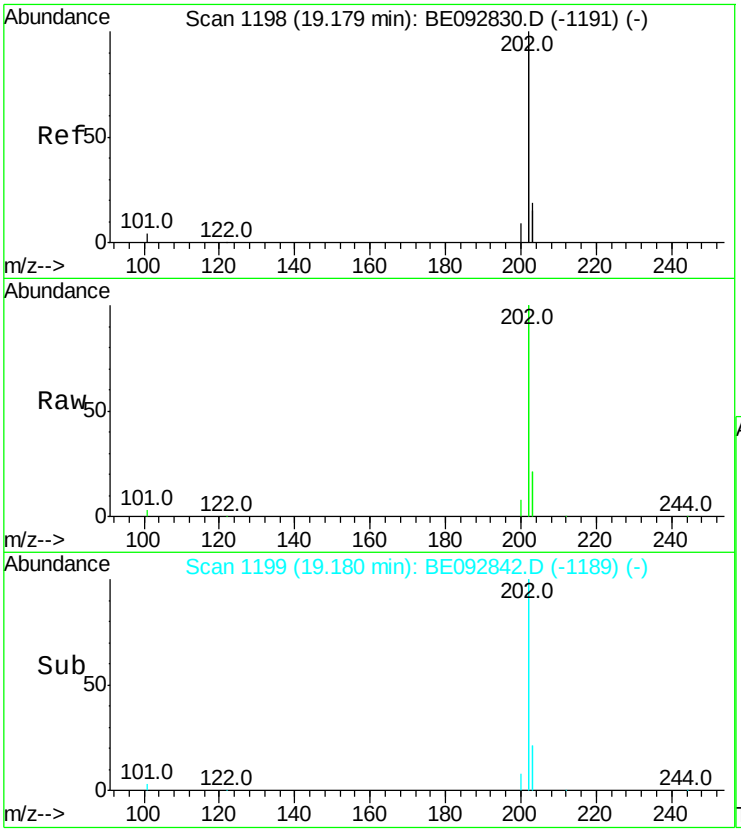


#22
Anthracene
Concen: 5.99 ng
RT: 17.27 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:178 Resp: 39803

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.0	12.2	18.2



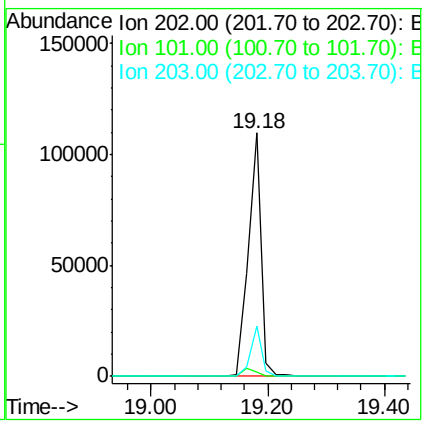


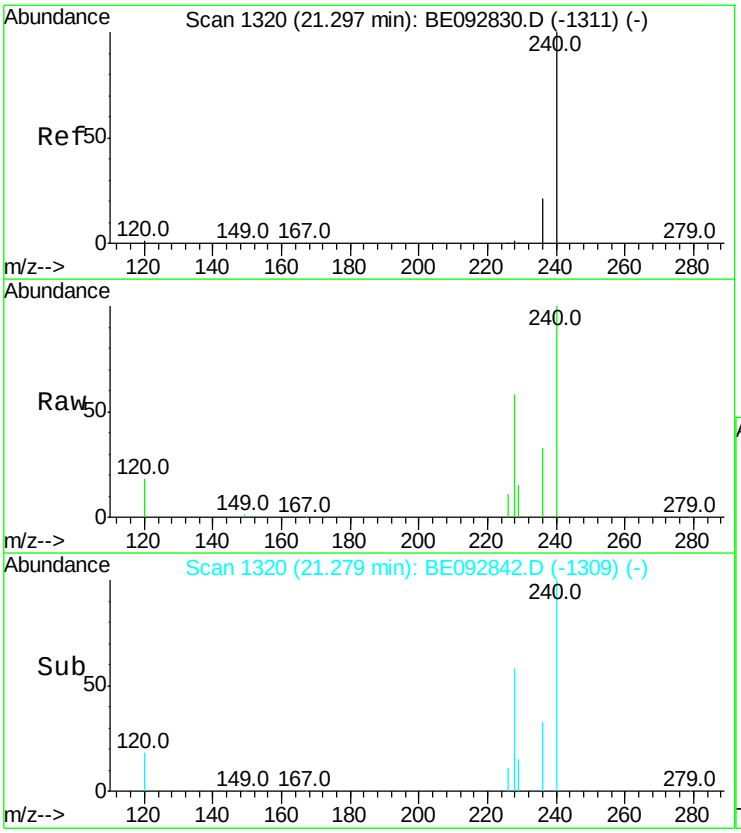
#23
Fluoranthene
Concen: 5.00 ng
RT: 19.18 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:202 Resp: 168088

Ion	Ratio	Lower	Upper
202	100		
101	3.3	2.2	3.4
203	18.1	13.7	20.5

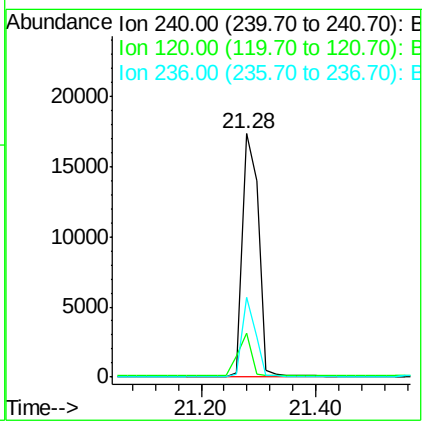


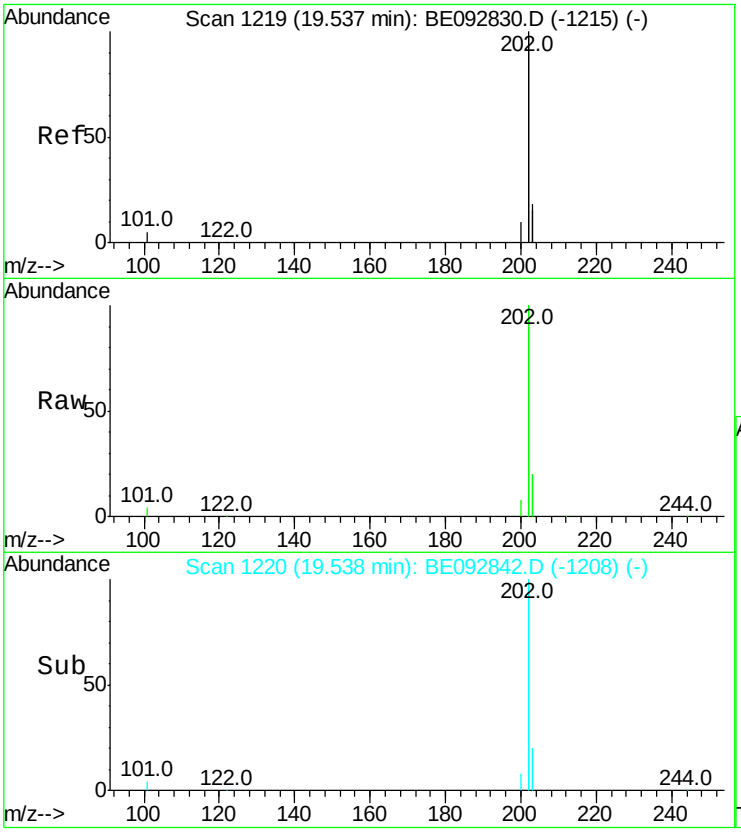


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:240 Resp: 33650

Ion	Ratio	Lower	Upper
240	100		
120	18.0	2.6	4.0#
236	32.7	24.6	37.0



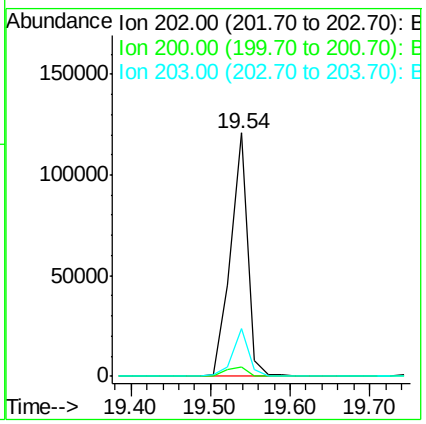


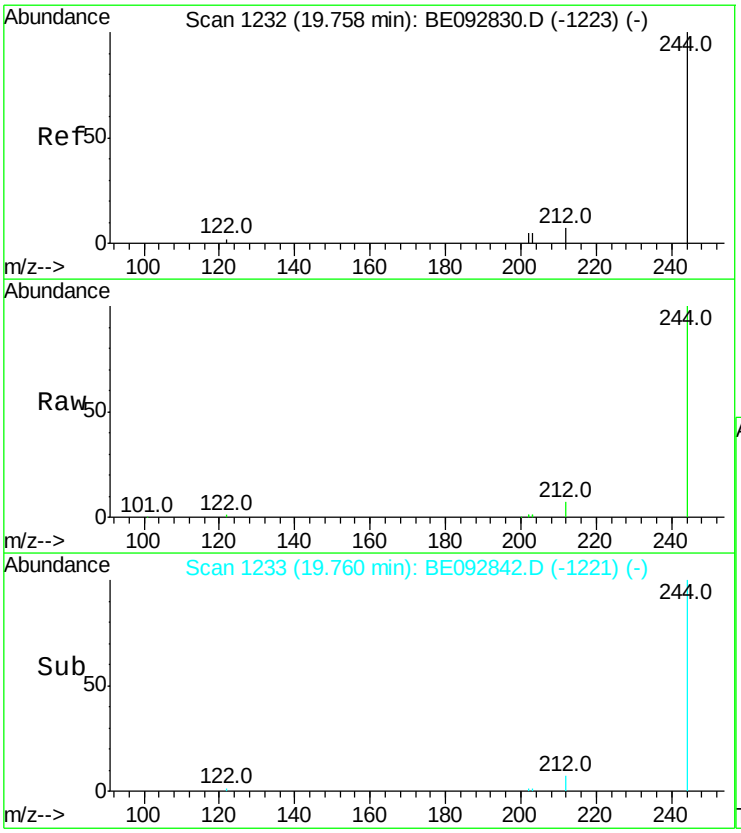
#25
Pyrene
Concen: 5.37 ng
RT: 19.54 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:202 Resp: 179756

Ion	Ratio	Lower	Upper
202	100		
200	5.0	4.2	6.4
203	18.2	13.9	20.9

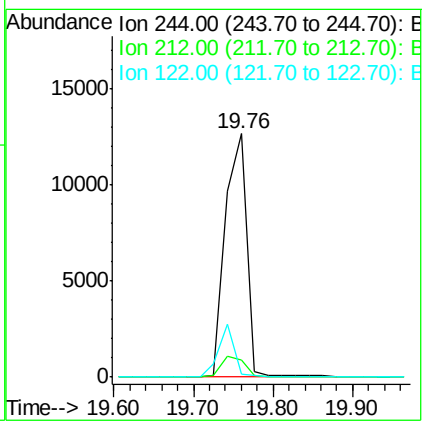


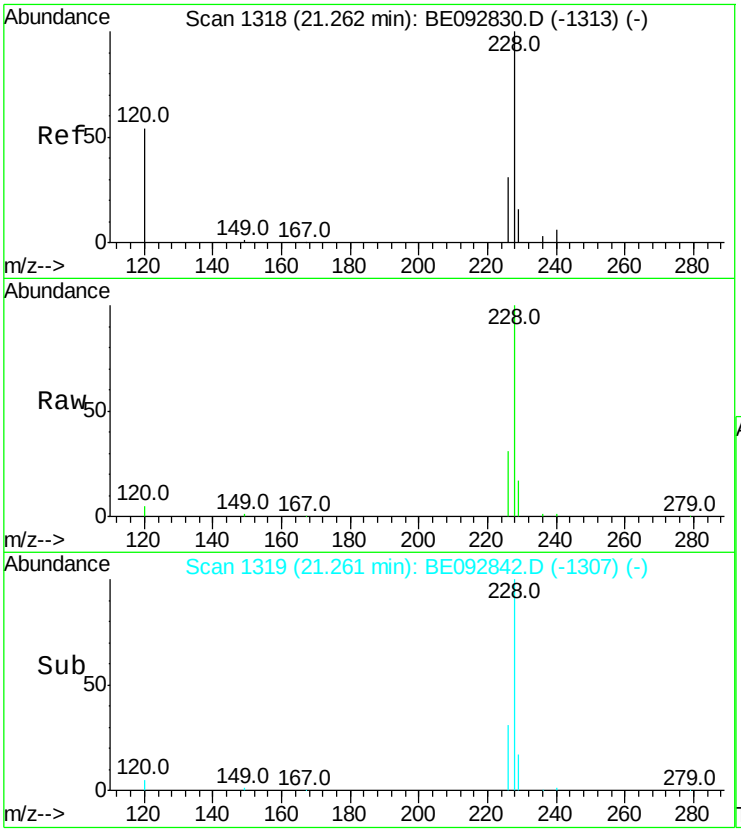


#26
Terphenyl-d14
Concen: 4.00 ng
RT: 19.76 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:244 Resp: 23248

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.7	10.1
122	1.2	3.6	5.4#



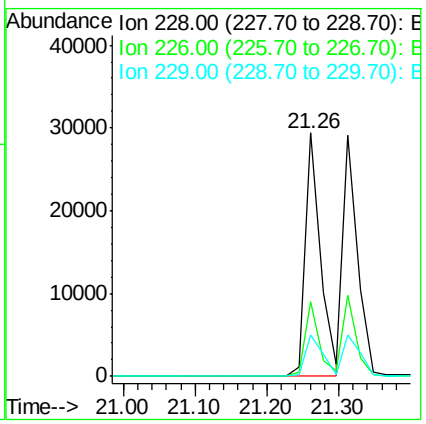


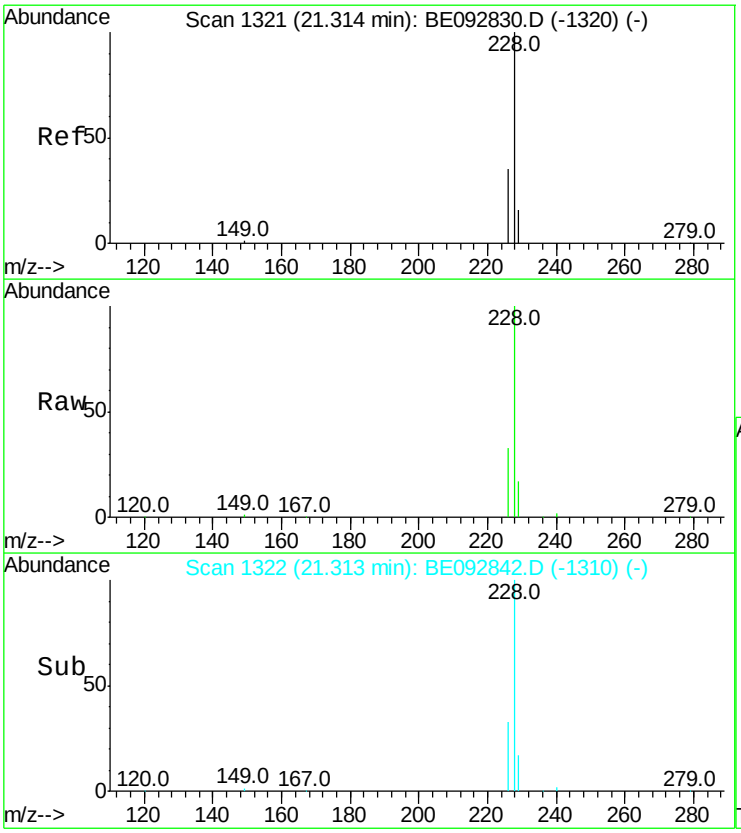
#27
Benzo(a)anthracene
Concen: 5.46 ng
RT: 21.26 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:228 Resp: 43555

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.6	35.4
229	17.0	13.3	19.9

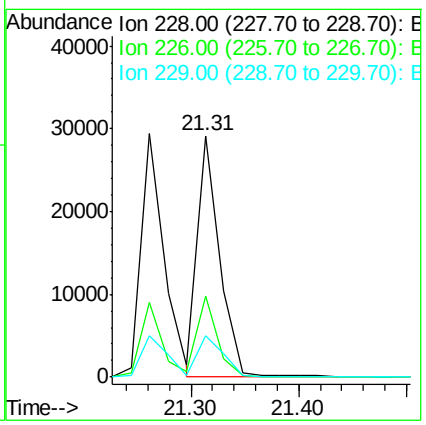


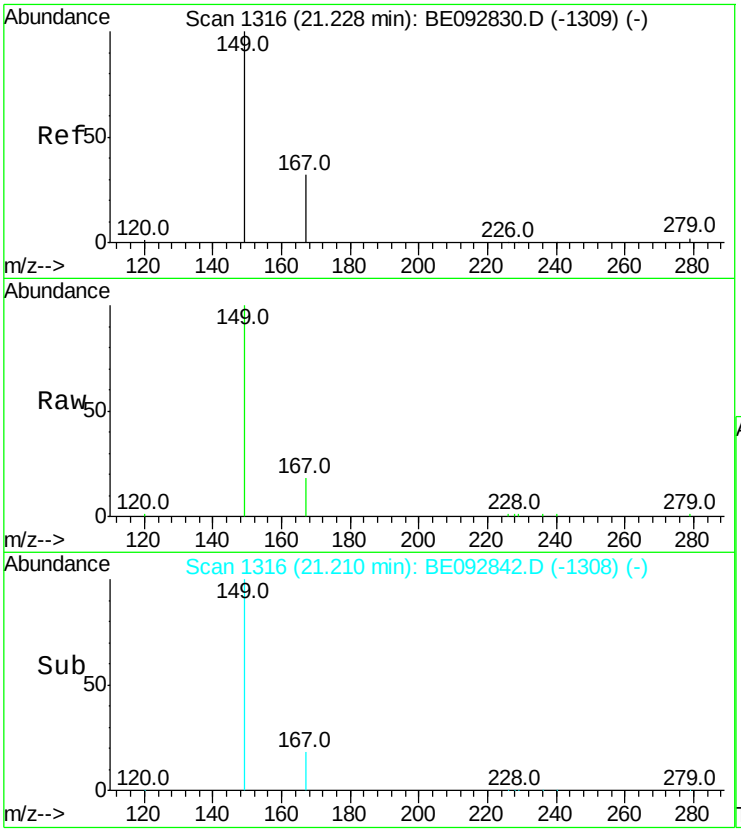


#28
Chrysene
Concen: 4.96 ng
RT: 21.31 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:228 Resp: 41743

Ion	Ratio	Lower	Upper
228	100		
226	33.5	36.3	54.5#
229	17.1	10.6	16.0#



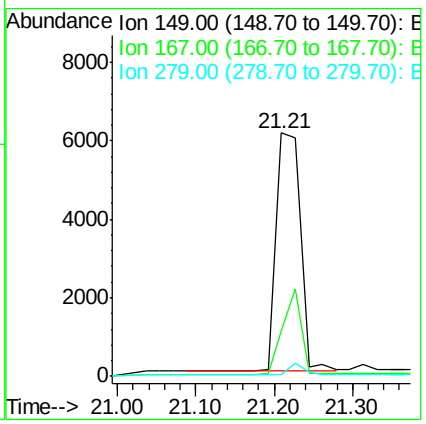


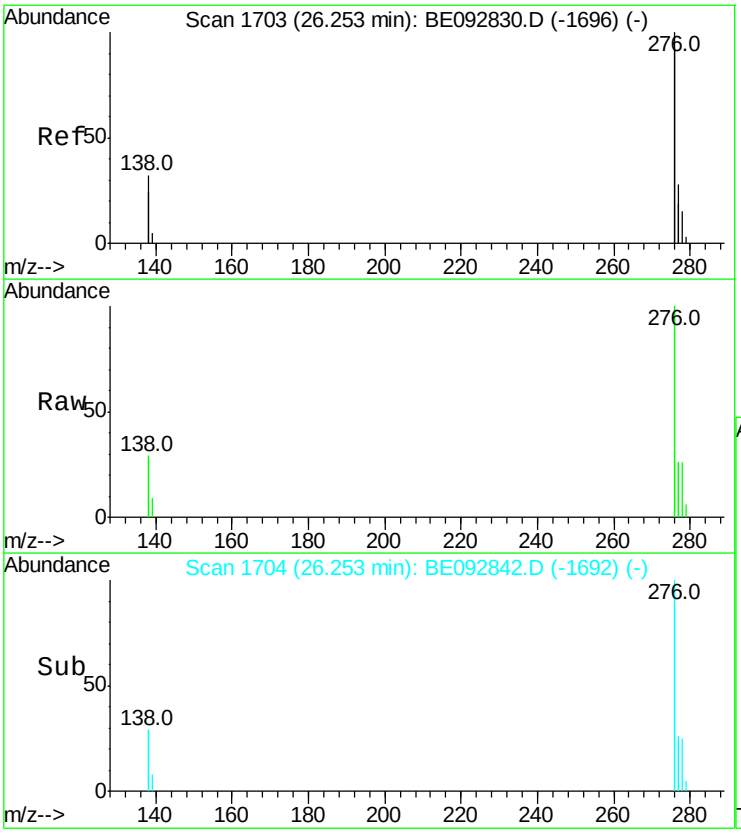
#29
Bis(2-ethylhexyl)phthalate
Concen: 4.40 ng
RT: 21.21 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:149 Resp: 12861

Ion	Ratio	Lower	Upper
149	100		
167	27.0	16.0	24.0#
279	2.9	16.0	24.0#

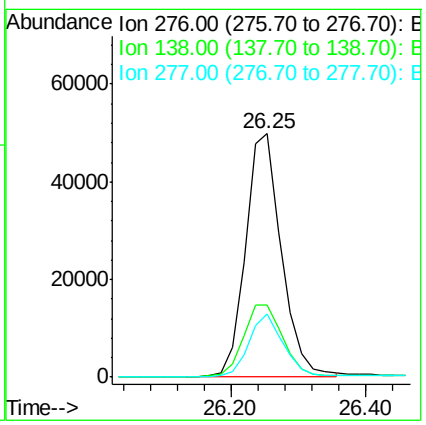


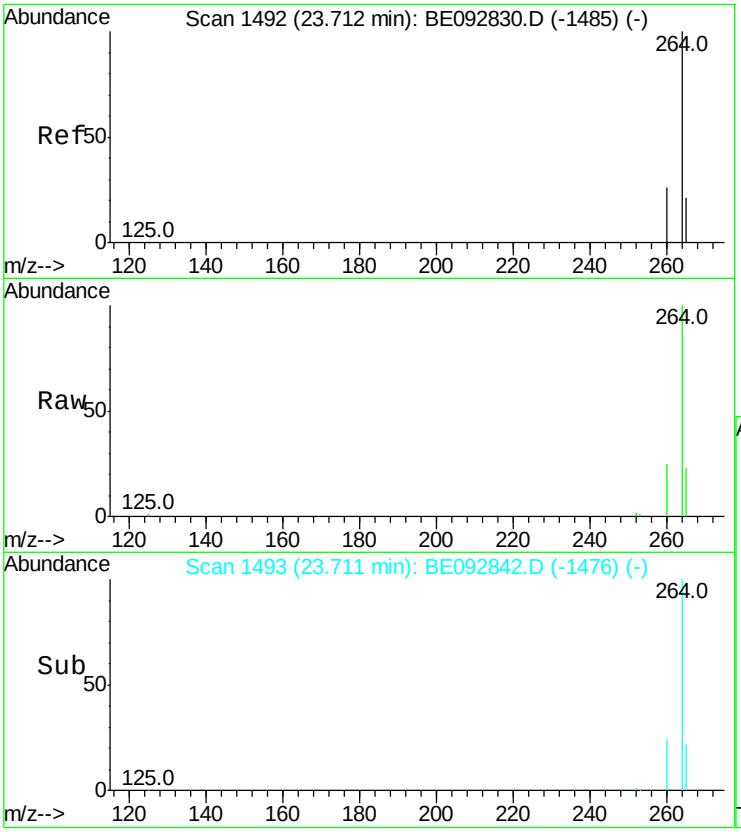


#30
Indeno(1,2,3-cd)pyrene
Concen: 5.73 ng
RT: 26.25 min Scan# 1704
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:276 Resp: 181366

Ion	Ratio	Lower	Upper
276	100		
138	32.4	20.3	30.5#
277	24.8	19.7	29.5



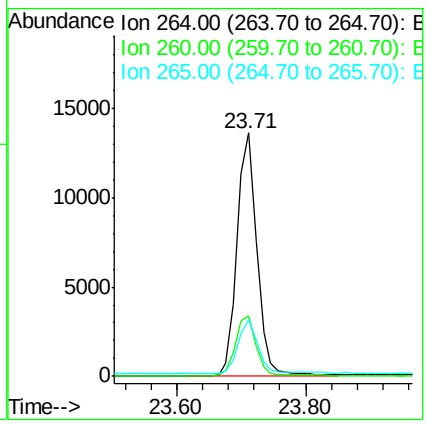


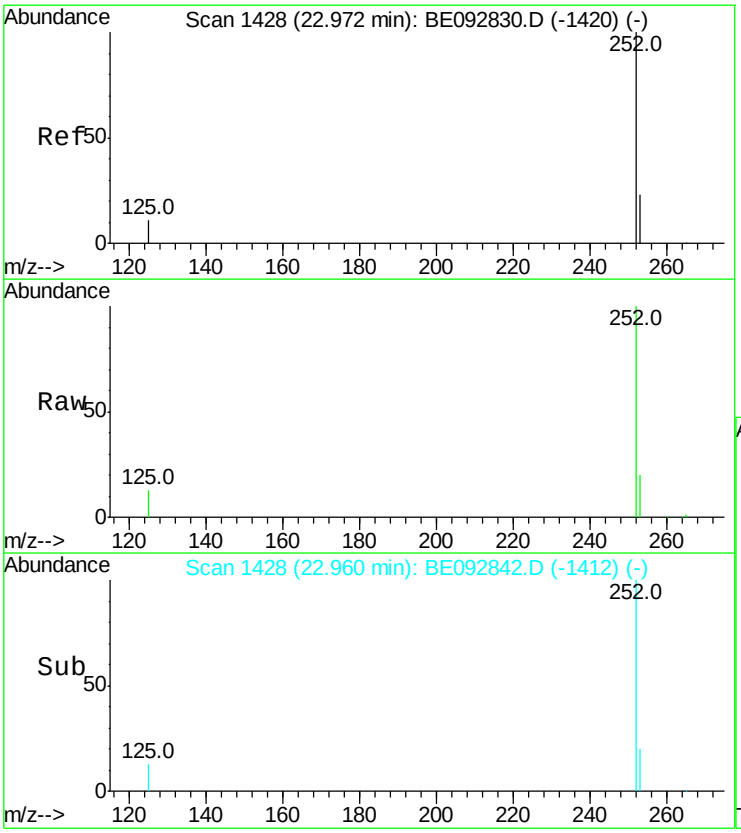
#31
Perylene-d12
Concen: 5.00 ng
RT: 23.71 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:264 Resp: 28709

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	23.2	17.9	26.9

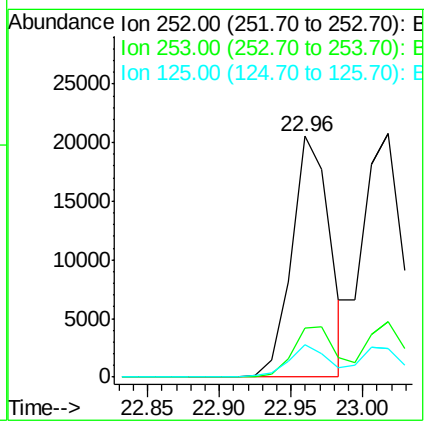


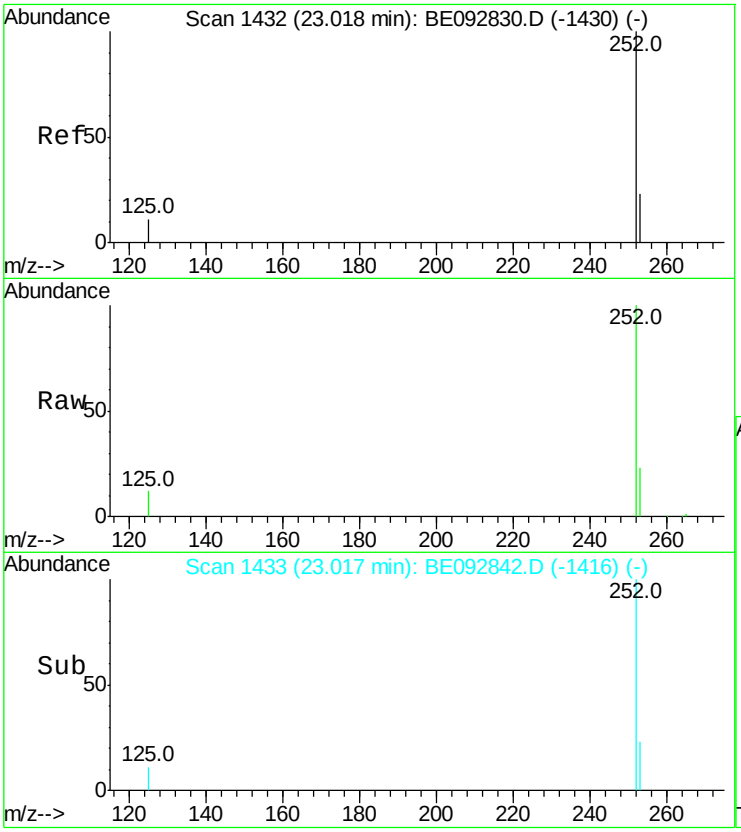


#32
Benzo(b)fluoranthene
Concen: 4.92 ng
RT: 22.96 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:252 Resp: 37588

Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.7	28.1
125	13.4	10.5	15.7



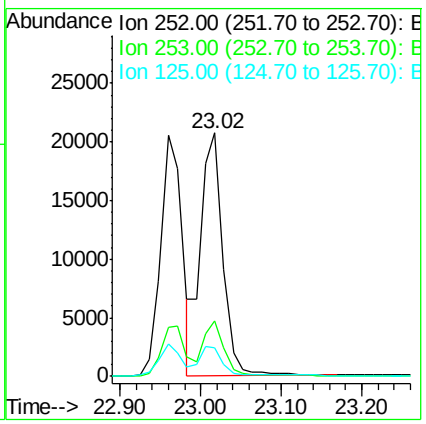


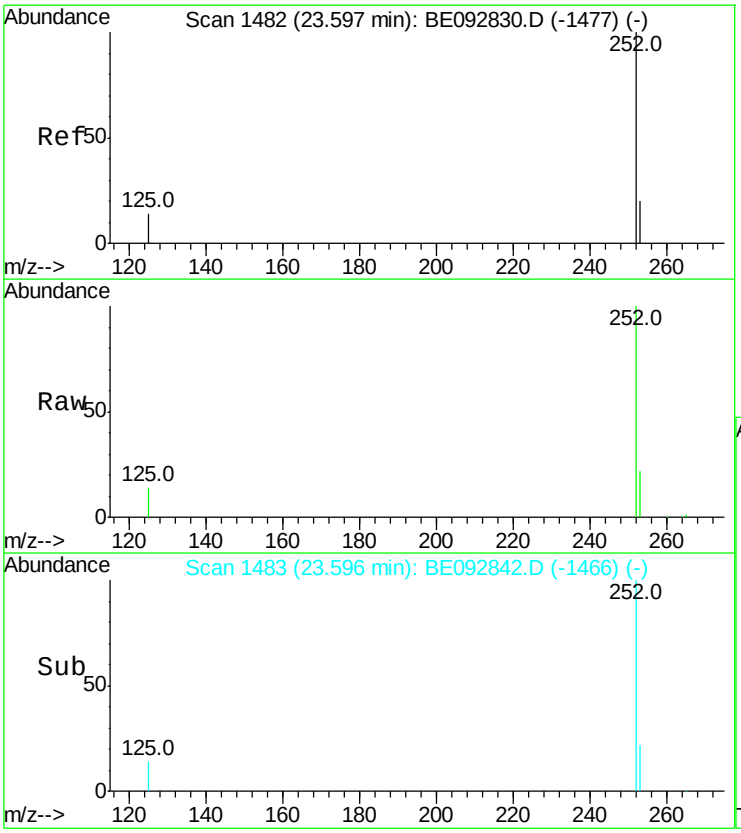
#33
Benzo(k)fluoranthene
Concen: 5.85 ng
RT: 23.02 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:252 Resp: 40031

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	11.7	9.6	14.4

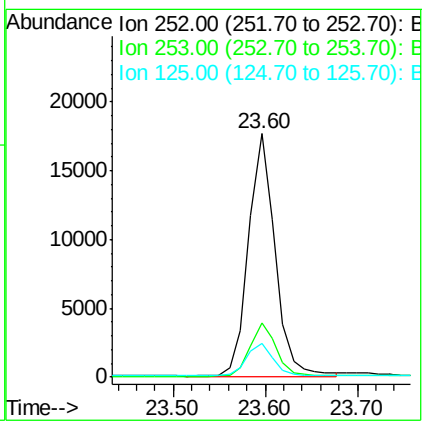


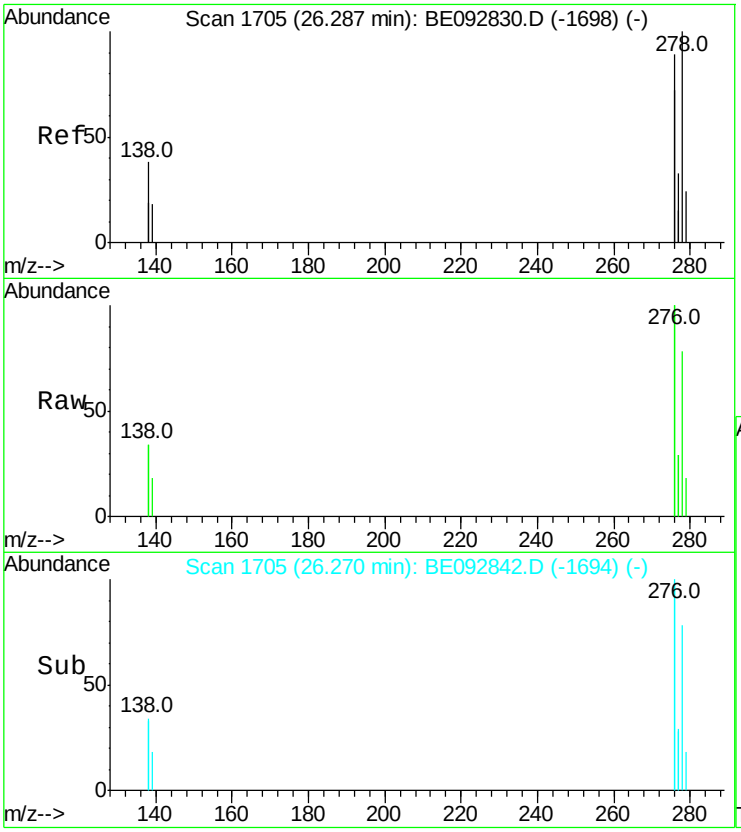


#34
Benzo(a)pyrene
Concen: 5.57 ng
RT: 23.60 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:252 Resp: 35209

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	14.0	11.8	17.8



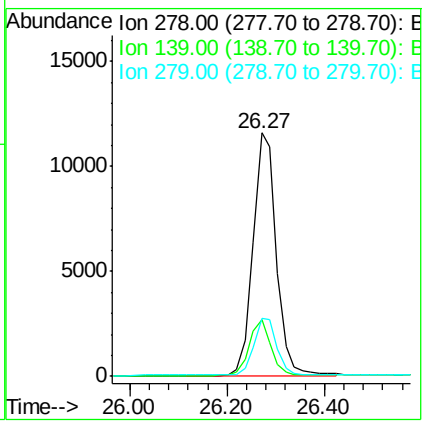


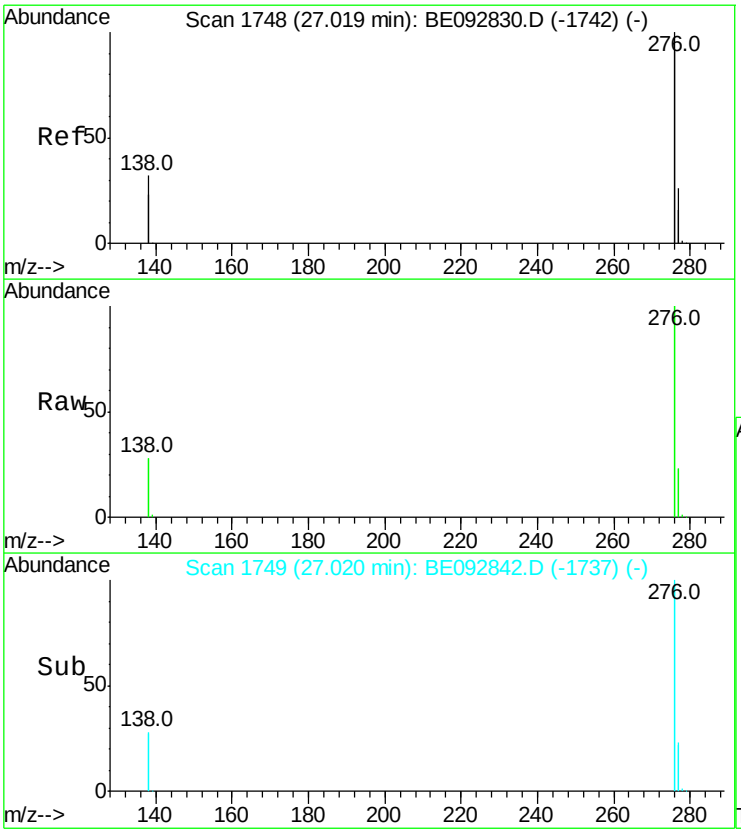
#35
Dibenzo(a,h)anthracene
Concen: 5.78 ng
RT: 26.27 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Instrument :
BNA_E
ClientSampleId :
PB97610BS

Tgt Ion:278 Resp: 38811

Ion	Ratio	Lower	Upper
278	100		
139	23.1	13.8	20.8#
279	23.7	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 5.72 ng
RT: 27.02 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BE092842.D
Acq: 28 Mar 2017 18:30

Tgt Ion:276 Resp: 159200

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.8	29.8
138	27.9	19.8	29.6