Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092620.D
Acq On : 27 Dec 2016 13:06
Operator : UM/SJ
Sample : PB95532BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB95532BS

Quant Time: Dec 28 01:24:38 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	10220	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	44528	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	27307	5.00	ng		0.00
18) Phenanthrene-d10	17.53	188	48179	5.00	ng		-0.02
24) Chrysene-d12	21.72	240	64757	5.00	ng		0.00
31) Perylene-d12	24.08	264	62380	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	20269	10.20	ng		-0.04
5) Phenol-d6	7.31	99	29196	9.69	ng		-0.07
8) Nitrobenzene-d5	9.32	82	13477	4.40	ng		-0.05
13) 2,4,6-Tribromophenol	16.28	330	6457	8.18	ng		-0.02
14) 2-Fluorobiphenyl	13.41	172	31502	4.82	ng		-0.02
26) Terphenyl-d14	20.16	244	37037	4.66	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	4280	3.63	ng	#	57
3) n-Nitrosodimethylamine	3.73	42	7067	4.16	ng	#	91
6) bis(2-Chloroethyl)ether	7.57	93	11447	3.92	ng		92
9) Naphthalene	10.97	128	37566	4.11	ng		94
10) Hexachlorobutadiene	11.26	225	5605	4.04	ng		99
11) 2-Methylnaphthalene	12.82	142	23527	4.05	ng		93
15) Acenaphthylene	14.51	152	161580	4.29	ng		100
16) Acenaphthene	14.85	154	24652	3.97	ng		93
17) Fluorene	15.83	166	32120	4.21	ng		99
19) Hexachlorobenzene	16.87	284	9486	4.61	ng	#	63
20) Pentachlorophenol	17.21	266	6474	7.10	ng	#	85
21) Phenanthrene	17.58	178	56865	4.68	ng	#	94
22) Anthracene	17.67	178	54547	4.91	ng		100
23) Fluoranthene	19.58	202	222742	4.24	ng		100
25) Pyrene	19.95	202	229560	4.03	ng		99
27) Benzo(a)anthracene	21.70	228	533875	9.18	ng	#	85
28) Chrysene	21.70	228	535240	7.94	ng	#	66
29) Bis(2-ethylhexyl)phthalate	21.61	149	23882	3.05	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.55	276	324720	5.33	ng		98
32) Benzo(b)fluoranthene	23.35	252	68380	4.77	ng	#	96
33) Benzo(k)fluoranthene	23.39	252	65012	4.06	ng		95
34) Benzo(a)pyrene	23.96	252	64655	4.67	ng	#	95
35) Dibenzo(a,h)anthracene	26.56	278	66780	5.08	ng		96
36) Benzo(g,h,i)perylene	27.30	276	279410	4.96	ng		96

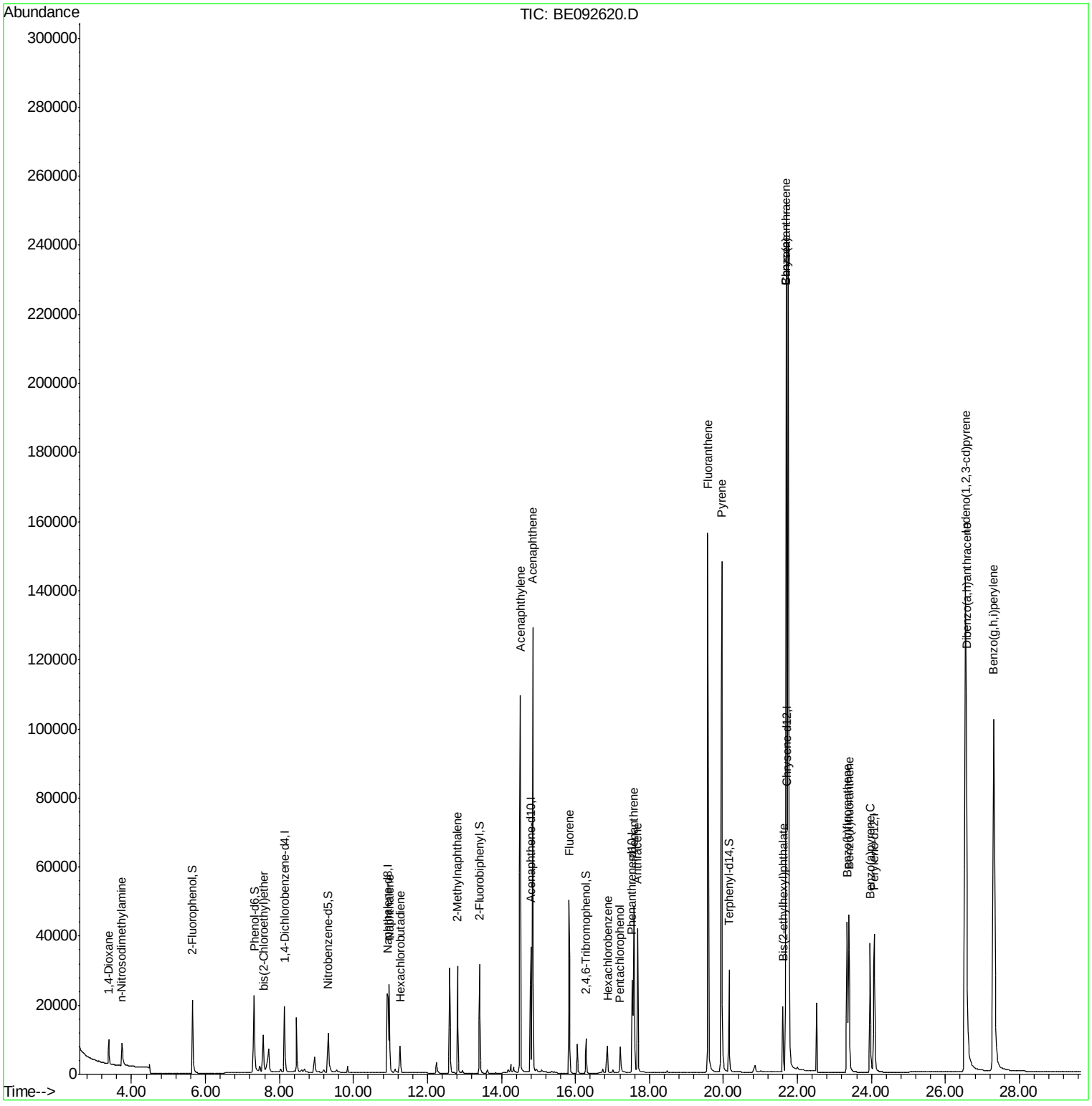
(#) = qualifier out of range (m) = manual integration (+) = signals summed

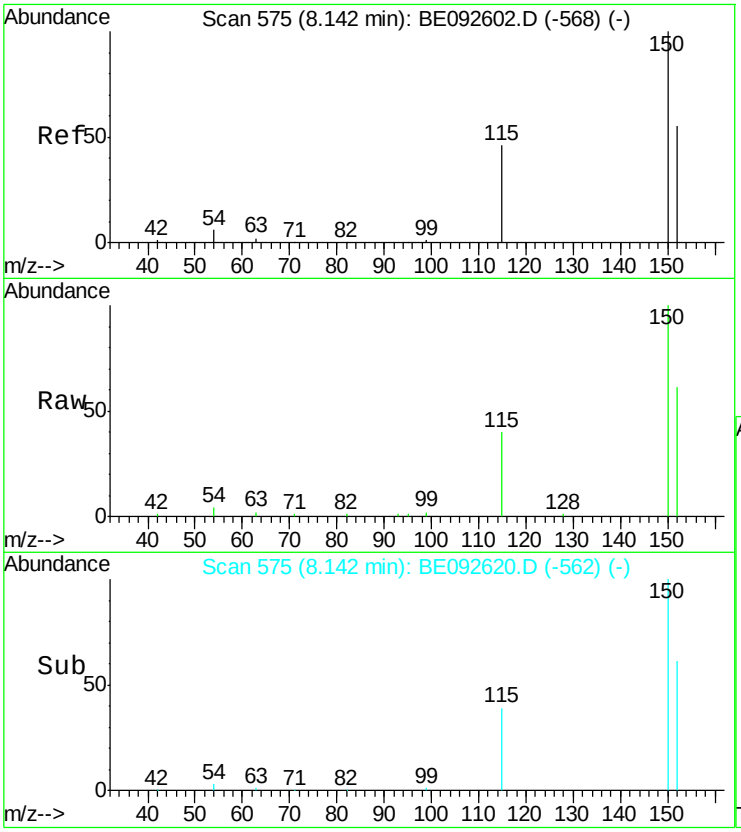
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092620.D
Acq On : 27 Dec 2016 13:06
Operator : UM/SJ
Sample : PB95532BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Quant Time: Dec 28 01:24:38 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



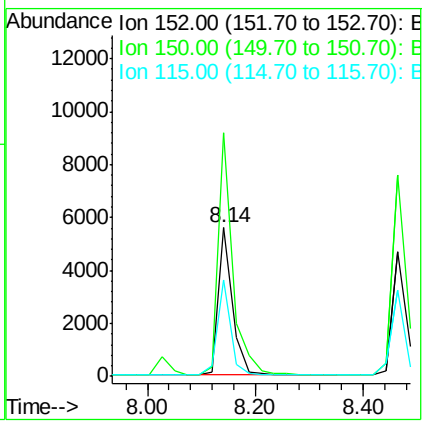


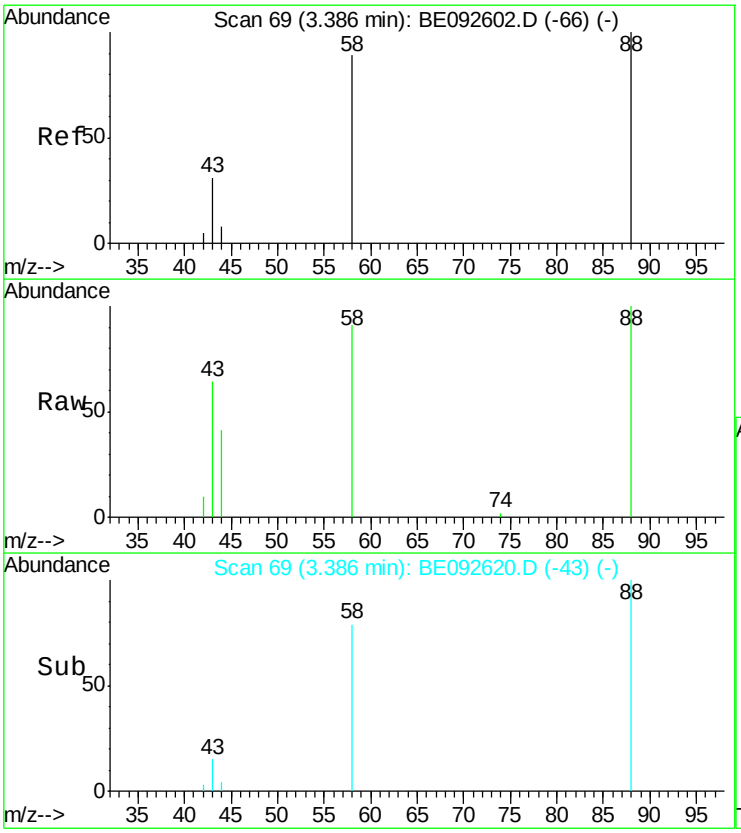
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:152 Resp: 10220

Ion	Ratio	Lower	Upper
152	100		
150	164.0	106.0	159.0#
115	65.3	31.2	46.8#

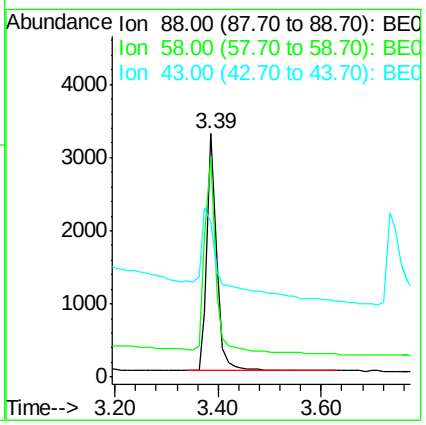


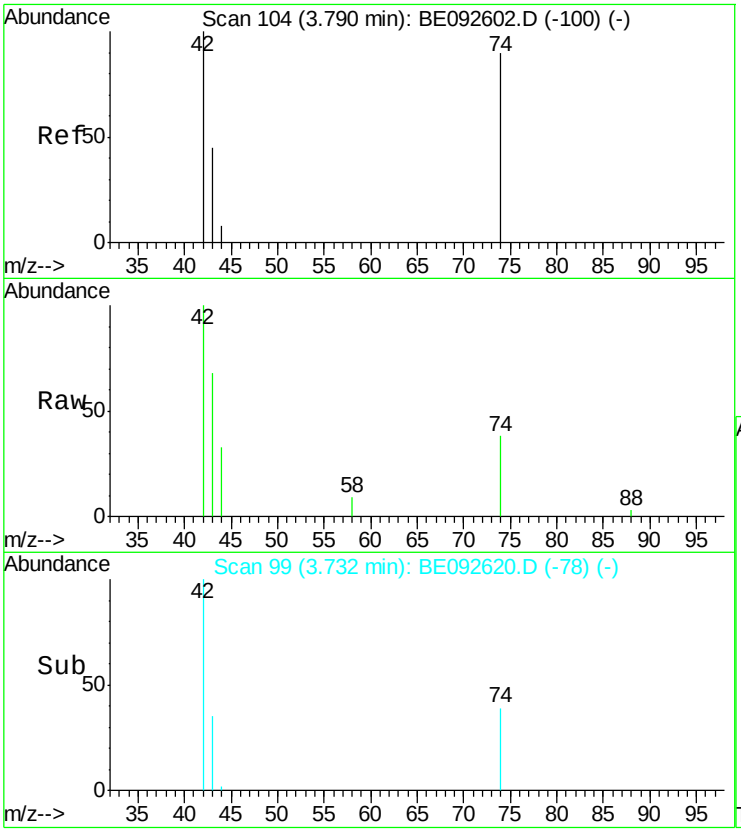


#2
1,4-Dioxane
Concen: 3.63 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion: 88 Resp: 4280

Ion	Ratio	Lower	Upper
88	100		
58	100.5	63.6	95.4#
43	85.4	28.0	42.0#



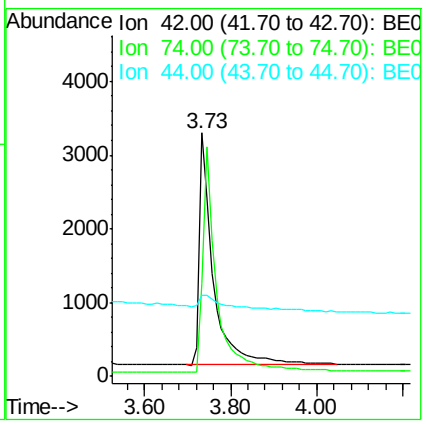


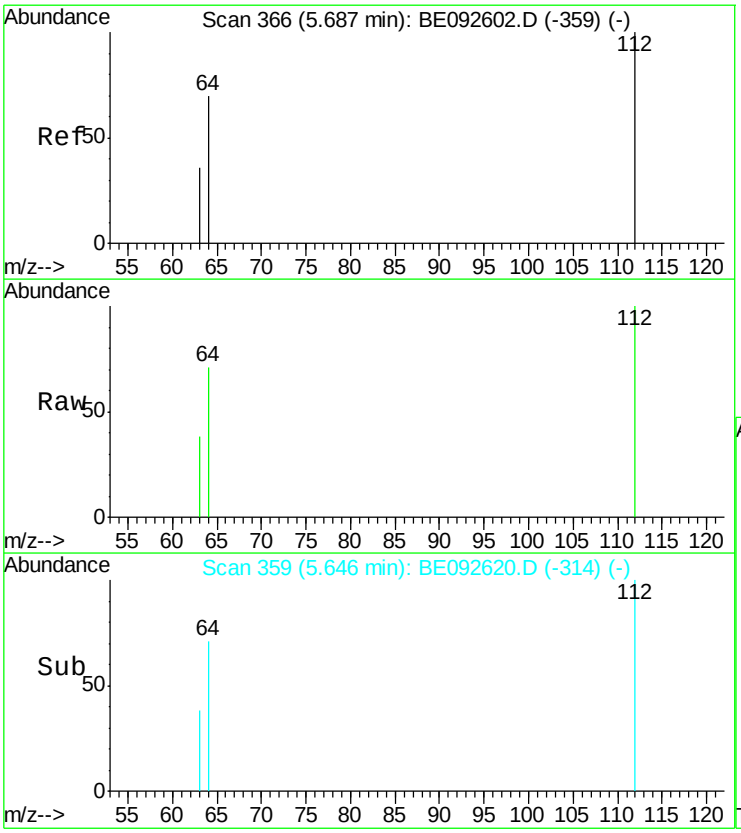
#3
n-Nitrosodimethylamine
Concen: 4.16 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.06 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion: 42 Resp: 7067

Ion	Ratio	Lower	Upper
42	100		
74	99.9	86.0	129.0
44	16.5	5.1	7.7#

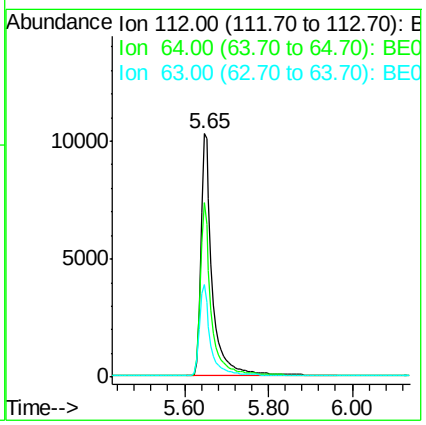


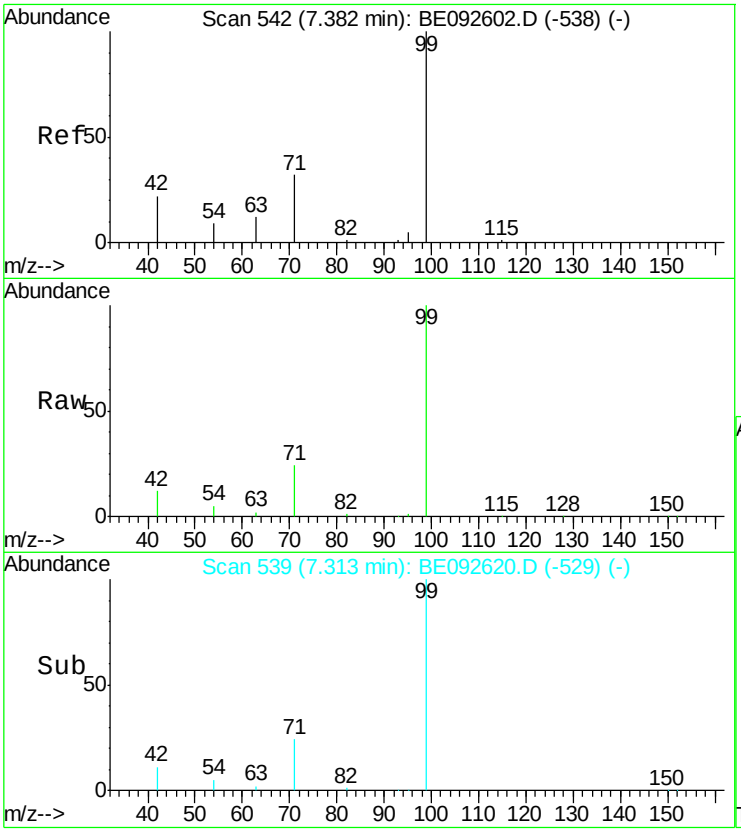


#4
2-Fluorophenol
Concen: 10.20 ng
RT: 5.65 min Scan# 359
Delta R.T. -0.04 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:112 Resp: 20269

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.5	80.3
63	36.9	27.9	41.9



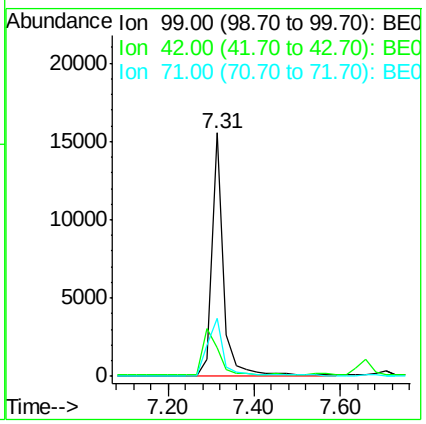


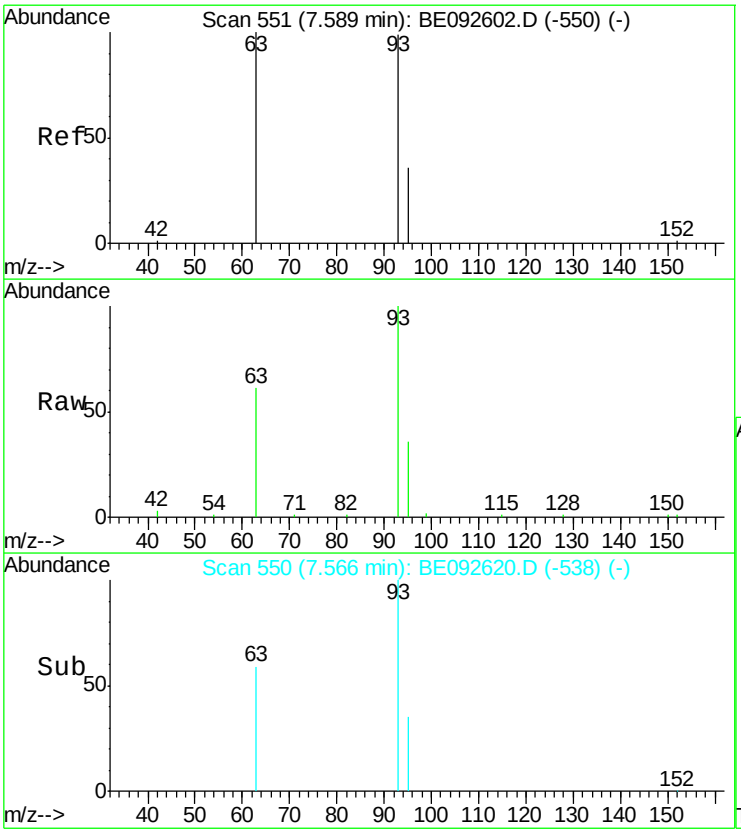
#5
Phenol-d6
Concen: 9.69 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion: 99 Resp: 29196

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	32.2	30.6	45.8

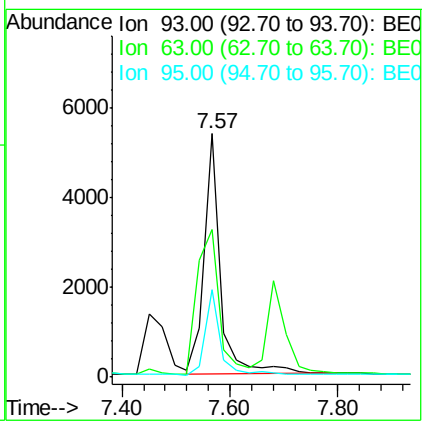


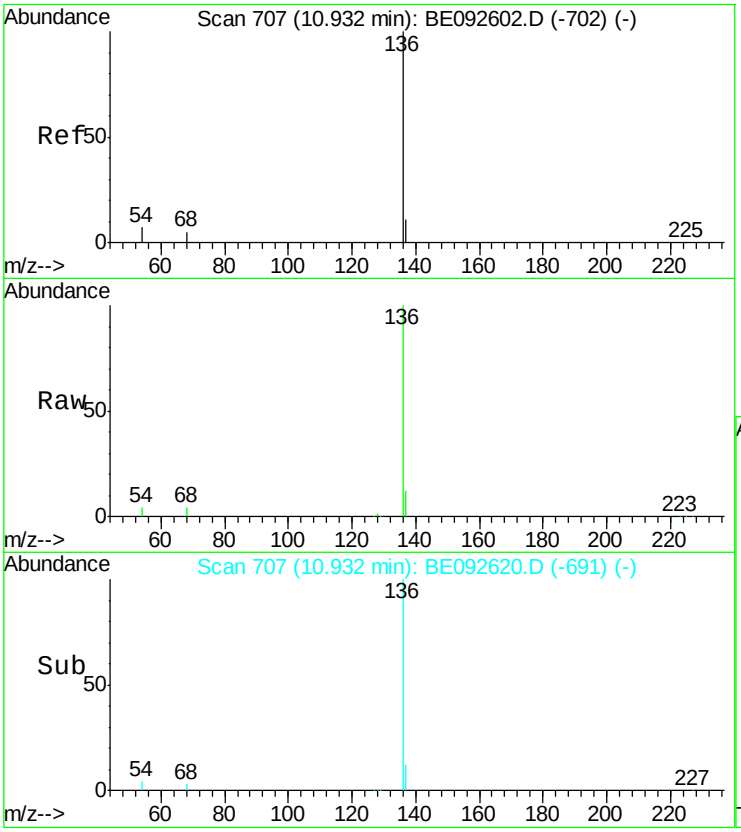


#6
bis(2-Chloroethyl)ether
Concen: 3.92 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion: 93 Resp: 11447

Ion	Ratio	Lower	Upper
93	100		
63	80.8	71.6	107.4
95	33.4	24.0	36.0



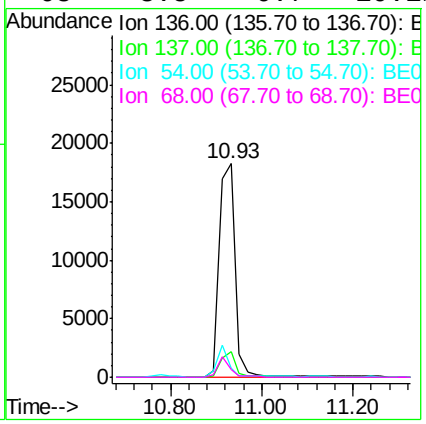


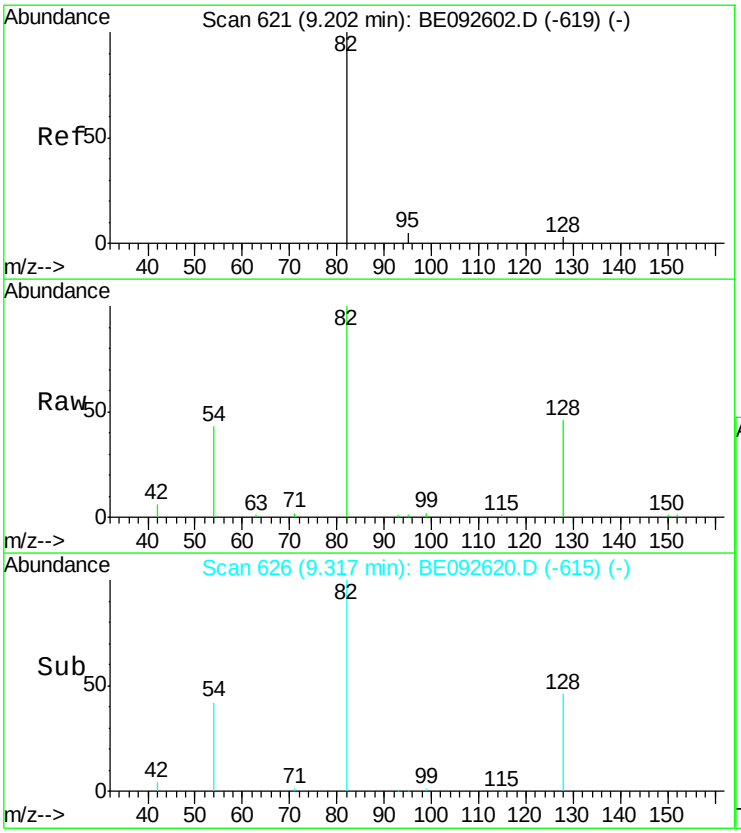
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:136 Resp: 44528

Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.2	12.4
54	4.4	9.6	14.4#
68	3.5	6.7	10.1#

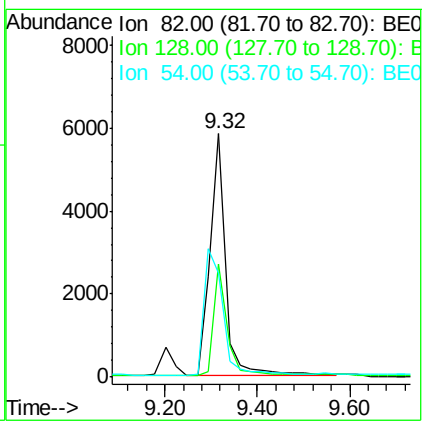


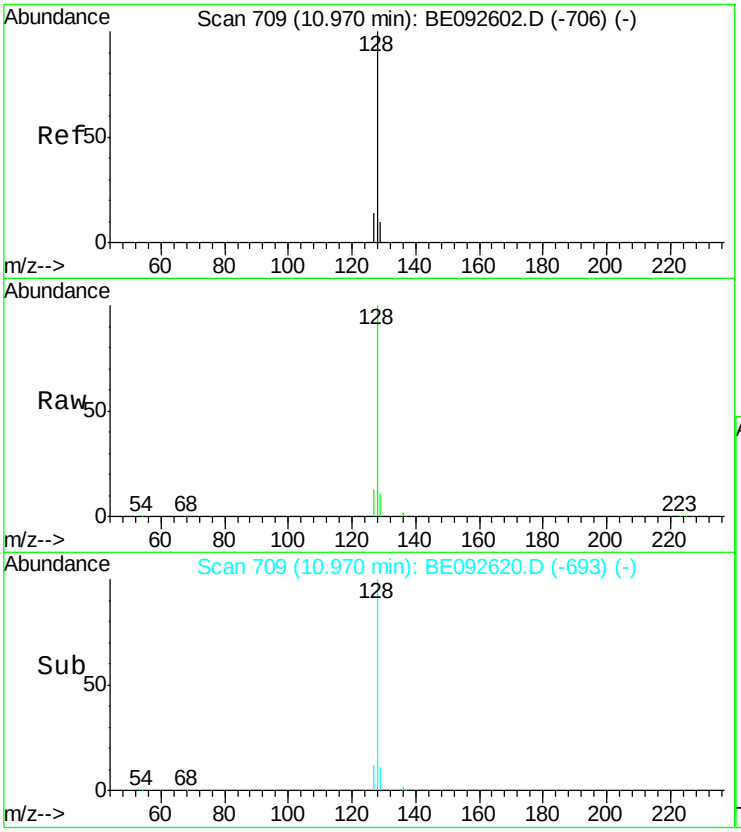


#8
Nitrobenzene-d5
Concen: 4.40 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion: 82 Resp: 13477

Ion	Ratio	Lower	Upper
82	100		
128	46.2	39.0	58.4
54	42.8	44.8	67.2#



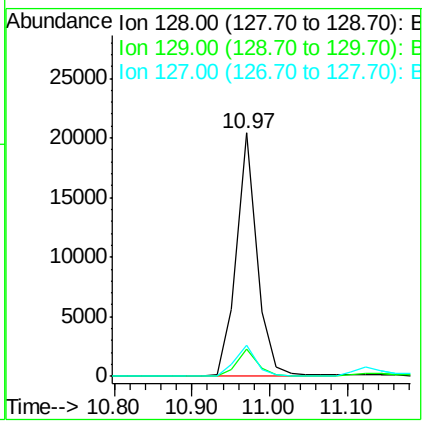


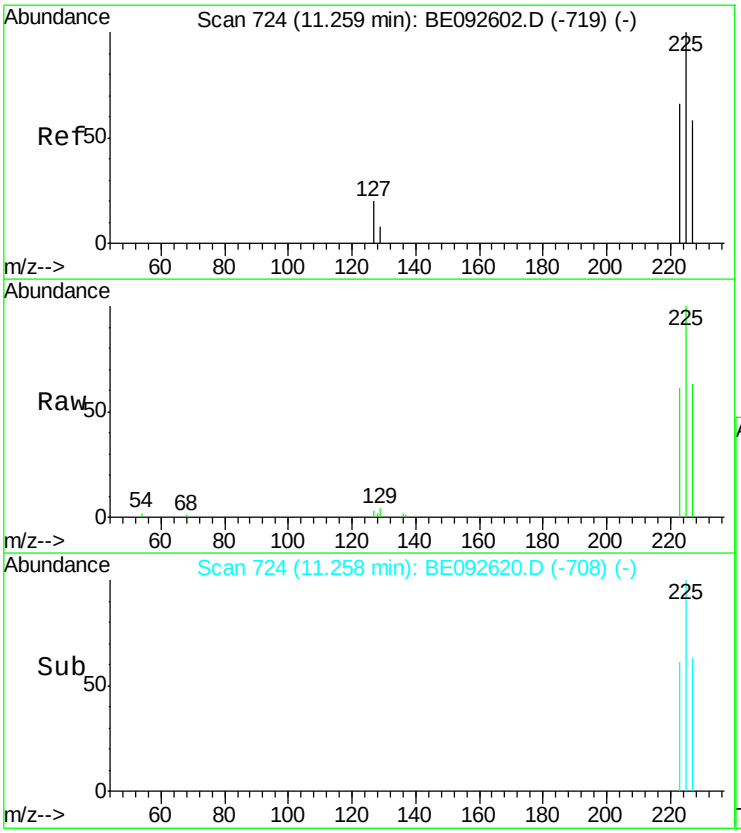
#9
Naphthalene
Concen: 4.11 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:128 Resp: 37566

Ion	Ratio	Lower	Upper
128	100		
129	11.3	11.2	16.8
127	12.6	11.6	17.4

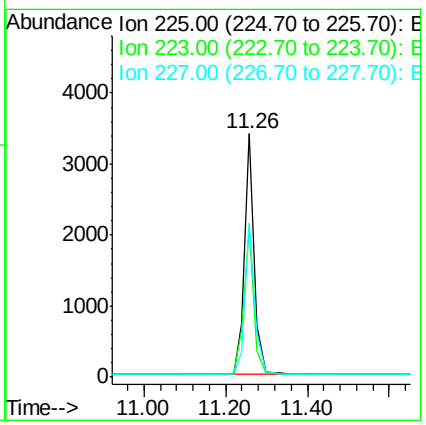


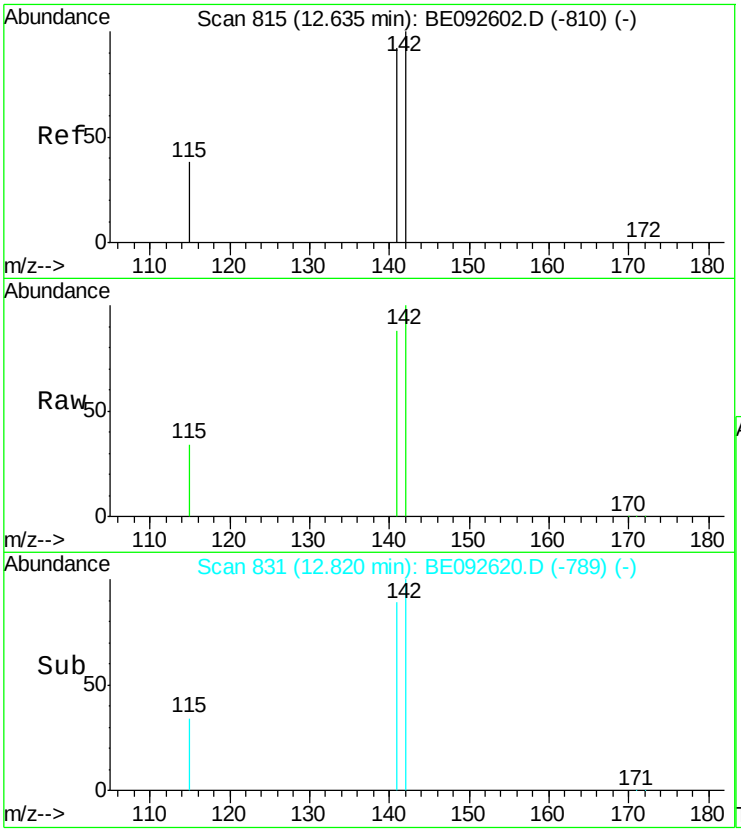


#10
Hexachlorobutadiene
Concen: 4.04 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:225 Resp: 5605

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	76.0
227	63.1	51.4	77.0



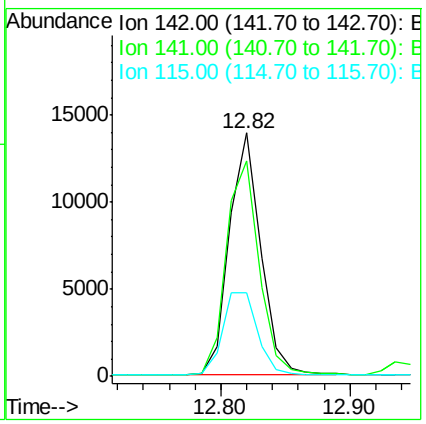


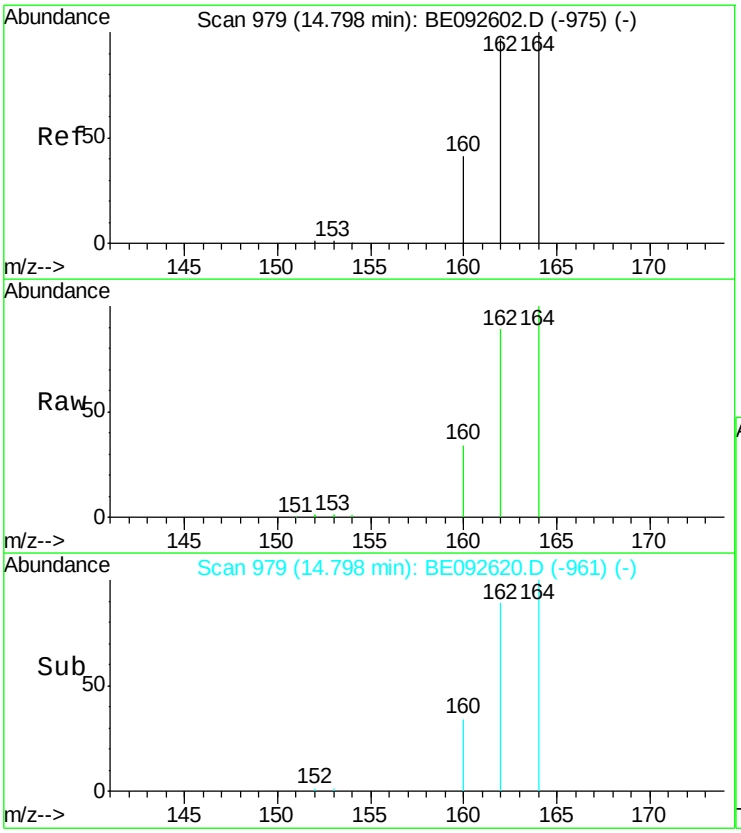
#11
2-Methylnaphthalene
Concen: 4.05 ng
RT: 12.82 min Scan# 831
Delta R.T. 0.19 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:142 Resp: 23527

Ion	Ratio	Lower	Upper
142	100		
141	88.3	73.7	110.5
115	34.2	34.0	51.0

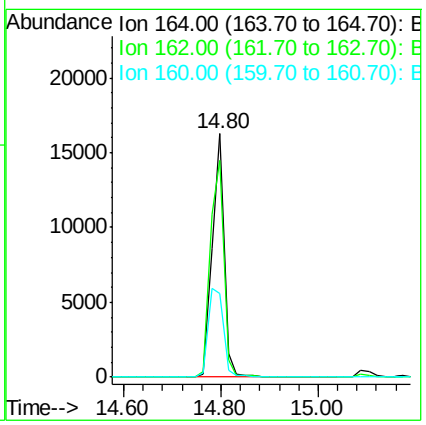


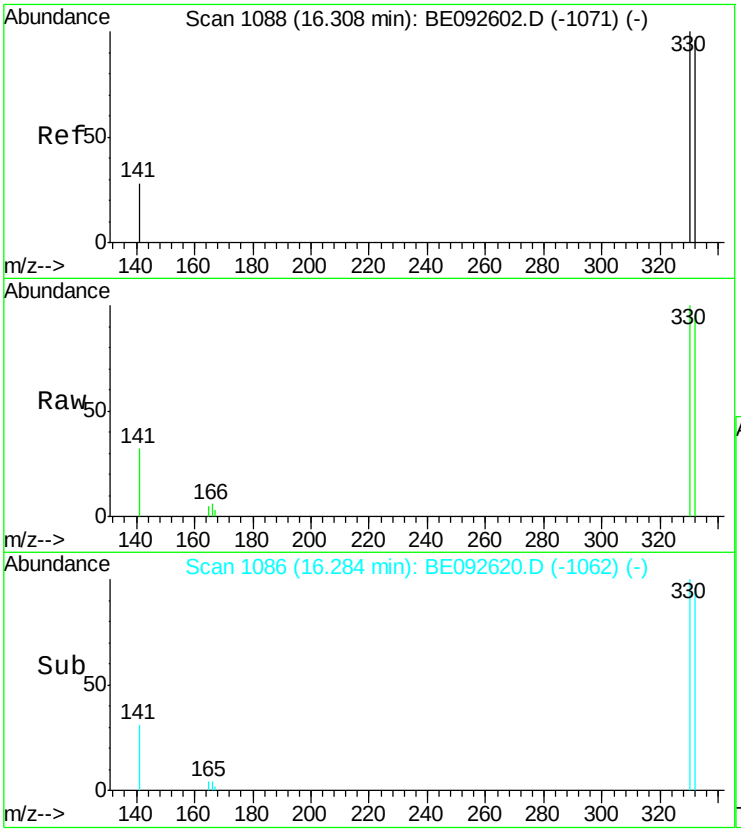


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:164 Resp: 27307

Ion	Ratio	Lower	Upper
164	100		
162	88.9	71.4	107.0
160	34.5	27.4	41.2



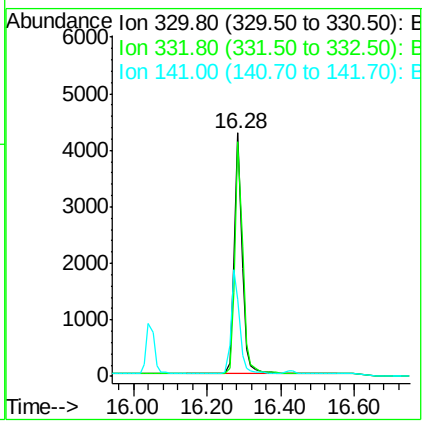


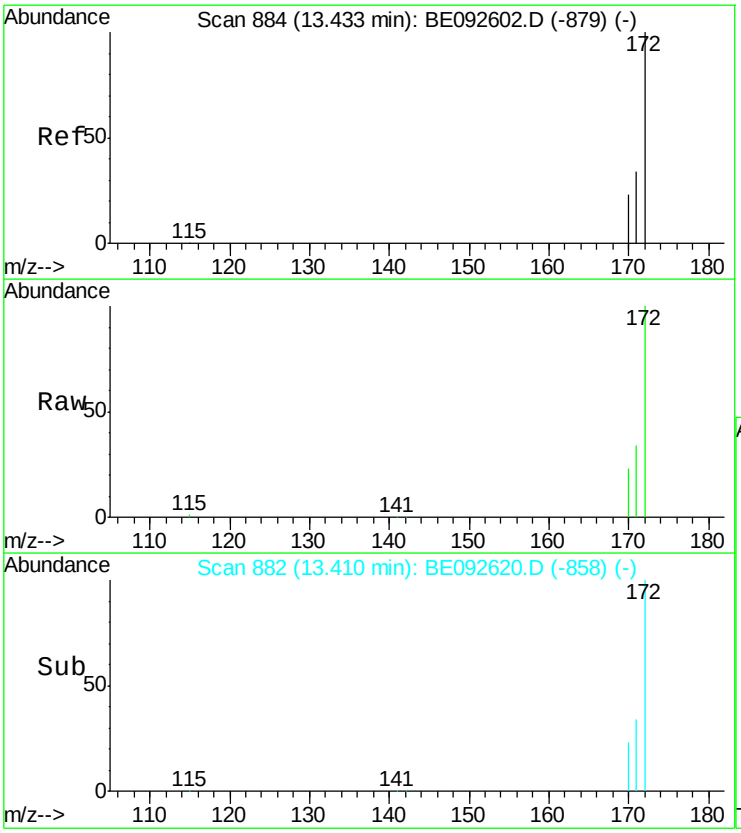
#13
2,4,6-Tribromophenol
Concen: 8.18 ng
RT: 16.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:330 Resp: 6457

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	45.4	31.0	46.6

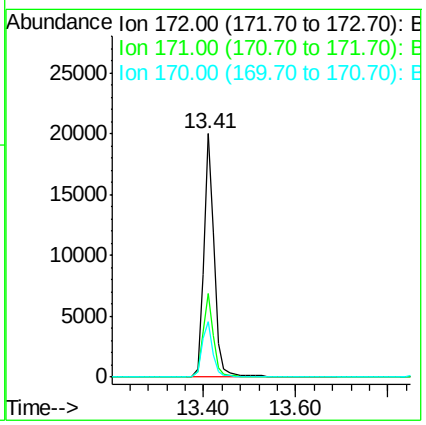


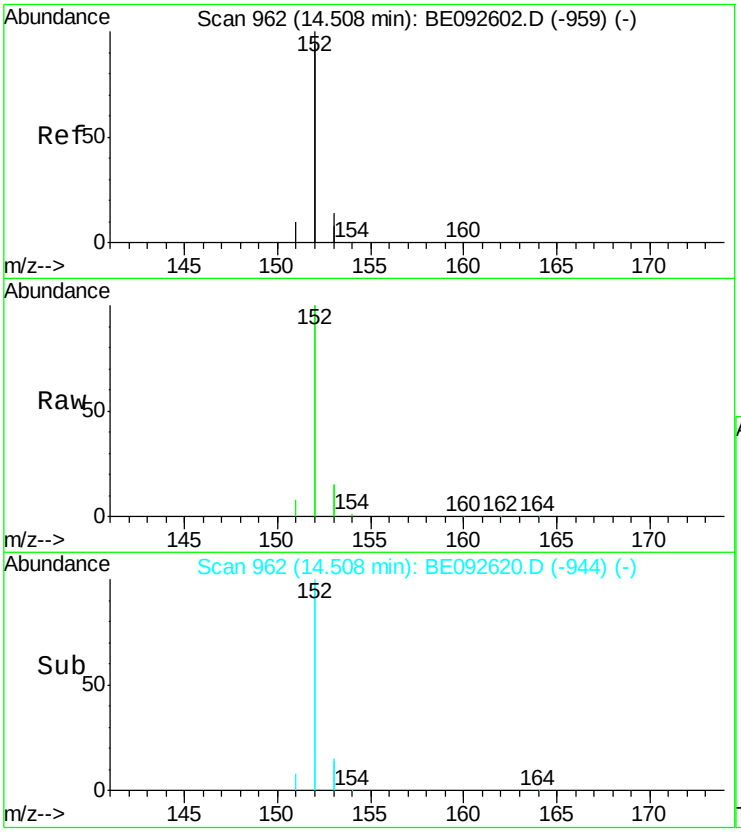


#14
2-Fluorobiphenyl
Concen: 4.82 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:172 Resp: 31502

Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.1	45.1
170	23.0	21.8	32.6



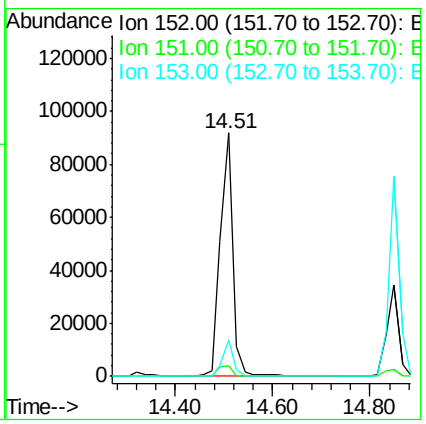


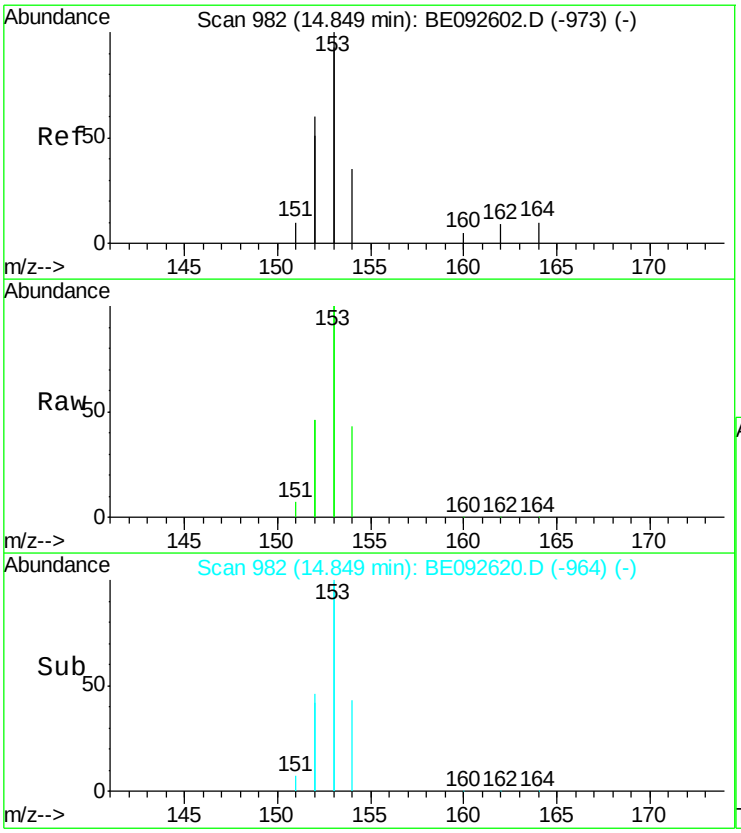
#15
Acenaphthylene
Concen: 4.29 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:152 Resp: 161580

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

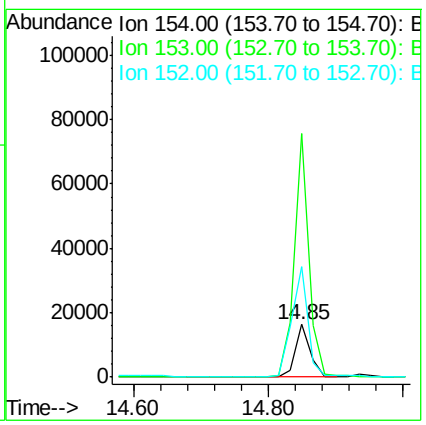


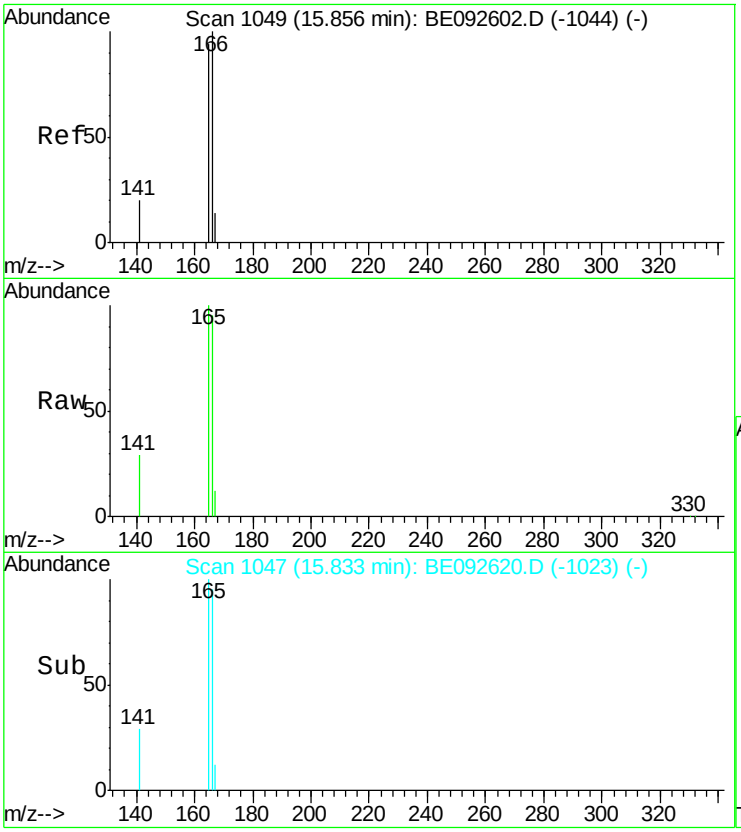


#16
Acenaphthene
Concen: 3.97 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:154 Resp: 24652

Ion	Ratio	Lower	Upper
154	100		
153	454.1	350.8	526.2
152	227.8	171.1	256.7



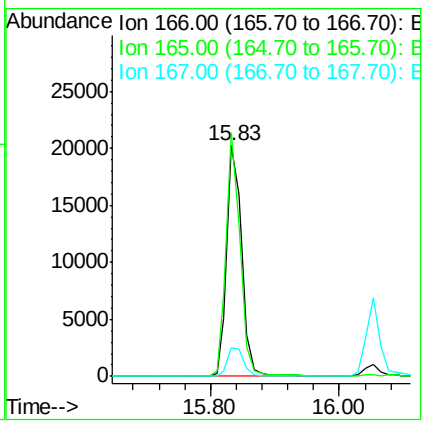


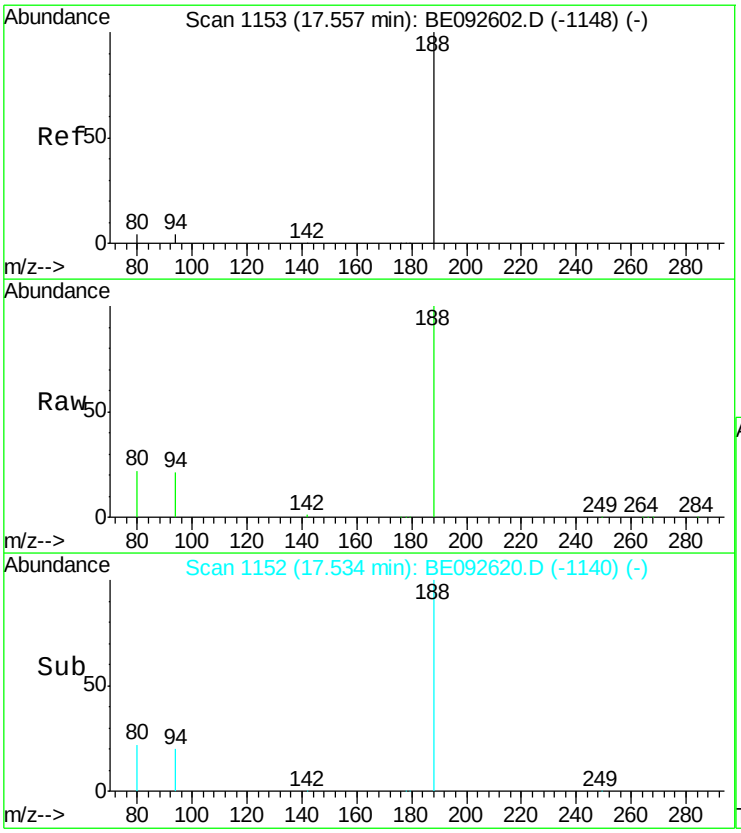
#17
Fluorene
Concen: 4.21 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:166 Resp: 32120

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.4
167	13.3	11.0	16.4

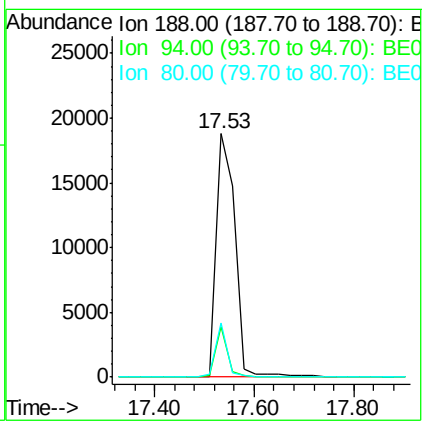


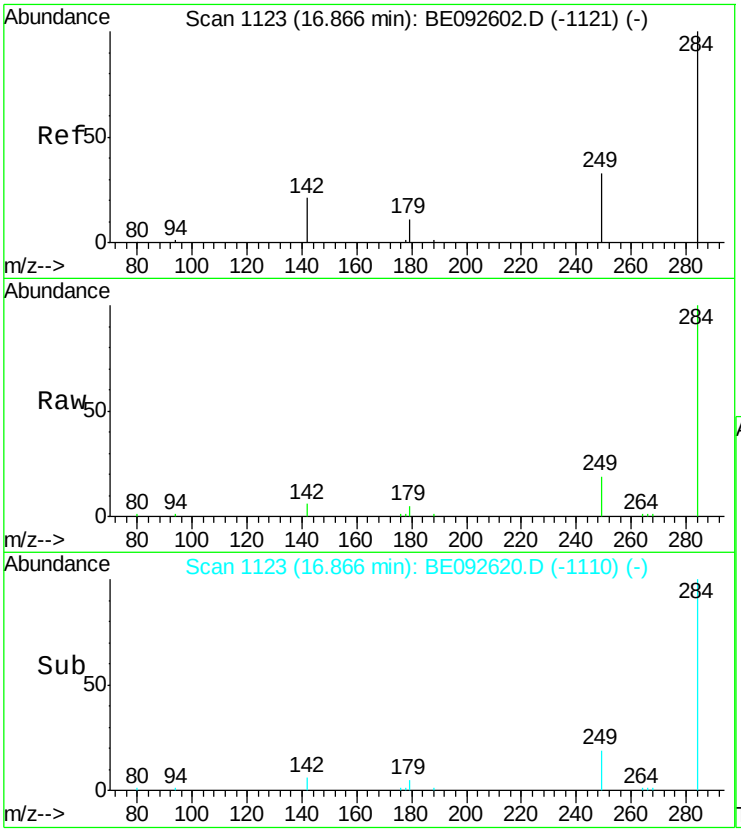


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:188 Resp: 48179

Ion	Ratio	Lower	Upper
188	100		
94	20.7	3.2	4.8#
80	22.4	2.6	3.8#



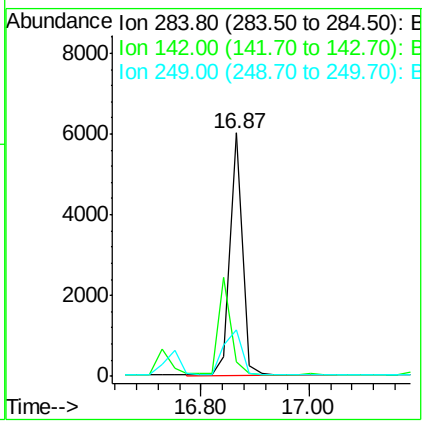


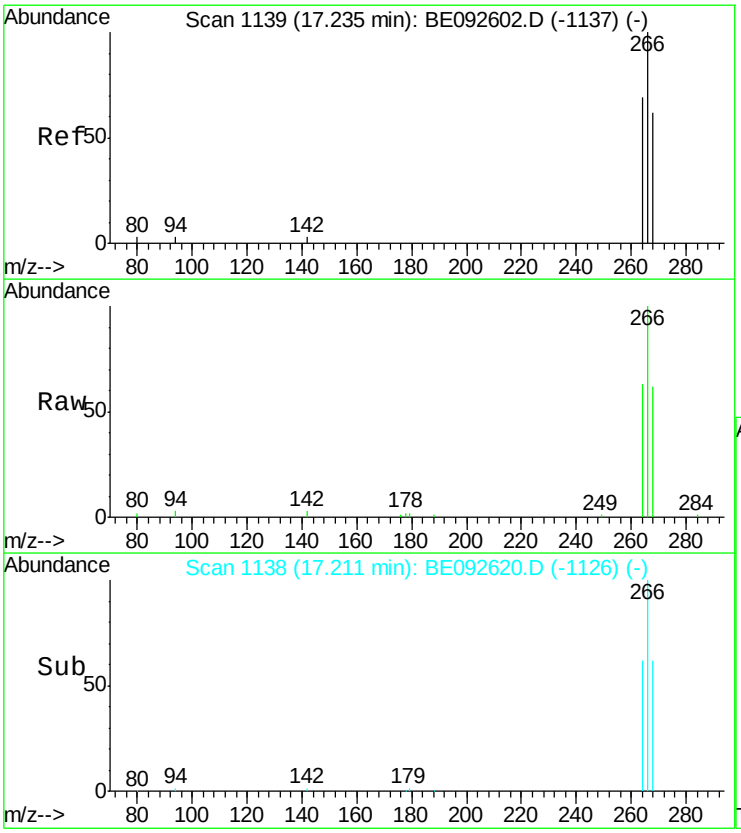
#19
Hexachlorobenzene
Concen: 4.61 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:284 Resp: 9486

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	28.3	27.9	41.9

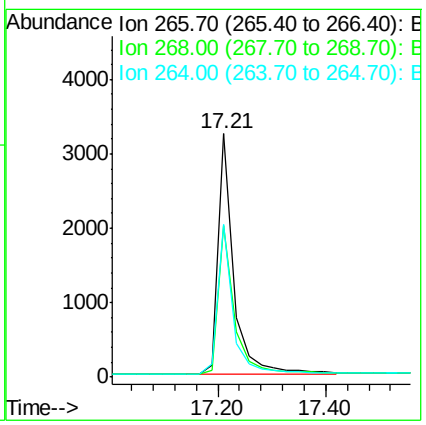


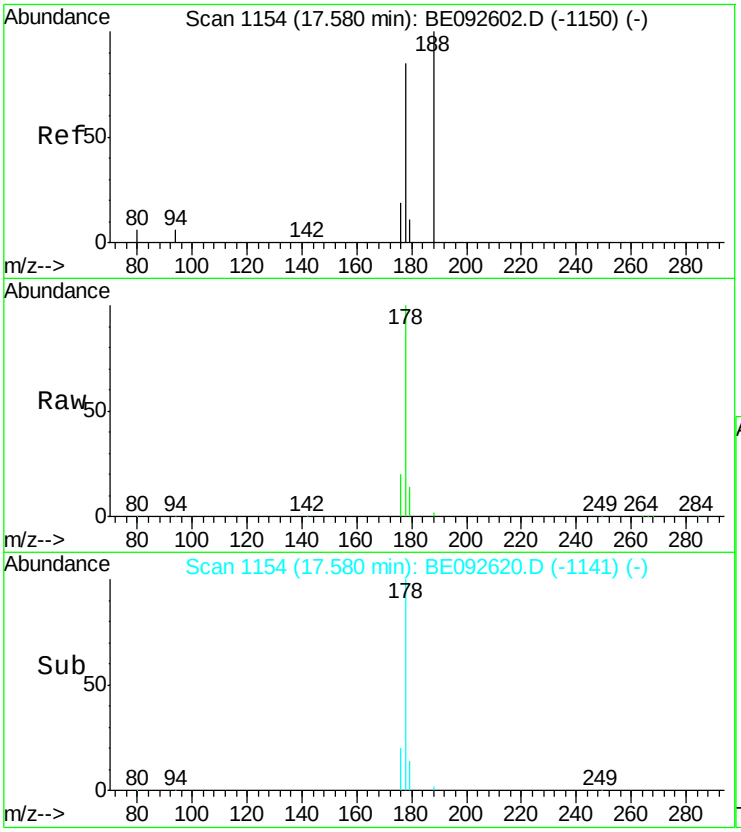


#20
Pentachlorophenol
Concen: 7.10 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:266 Resp: 6474

Ion	Ratio	Lower	Upper
266	100		
268	62.2	62.5	93.7#
264	62.7	57.2	85.8



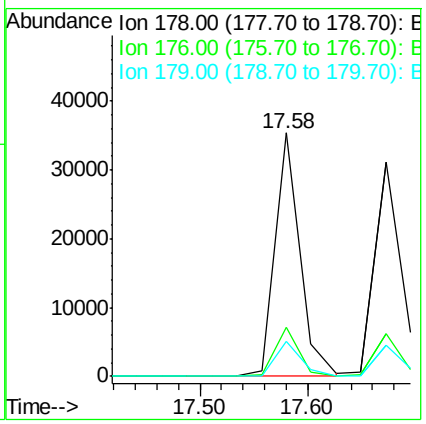


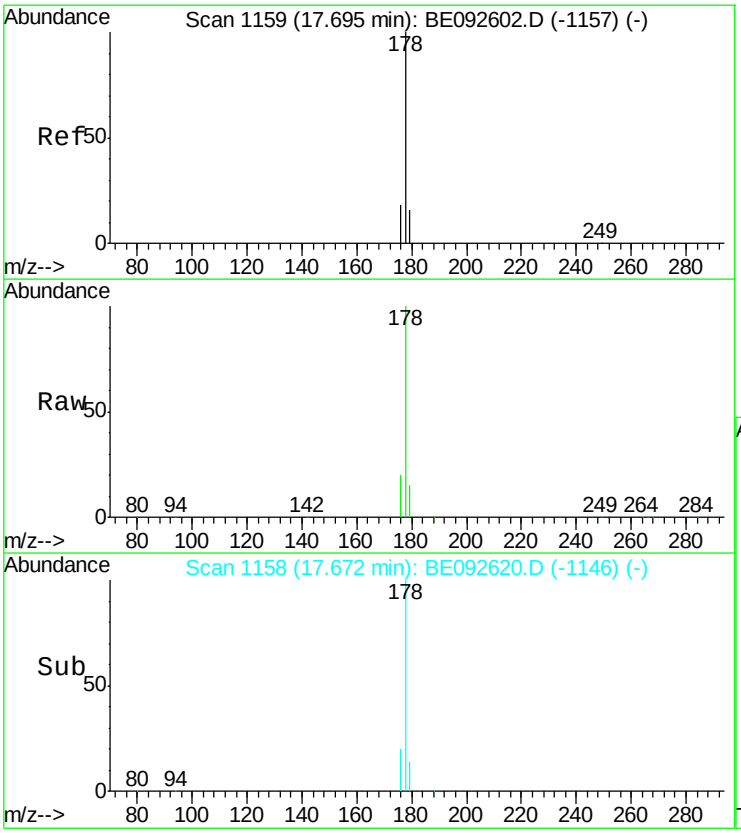
#21
Phenanthrene
Concen: 4.68 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:178 Resp: 56865

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.8	16.0	24.0#

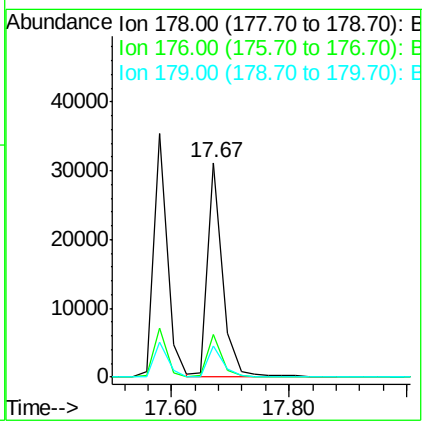


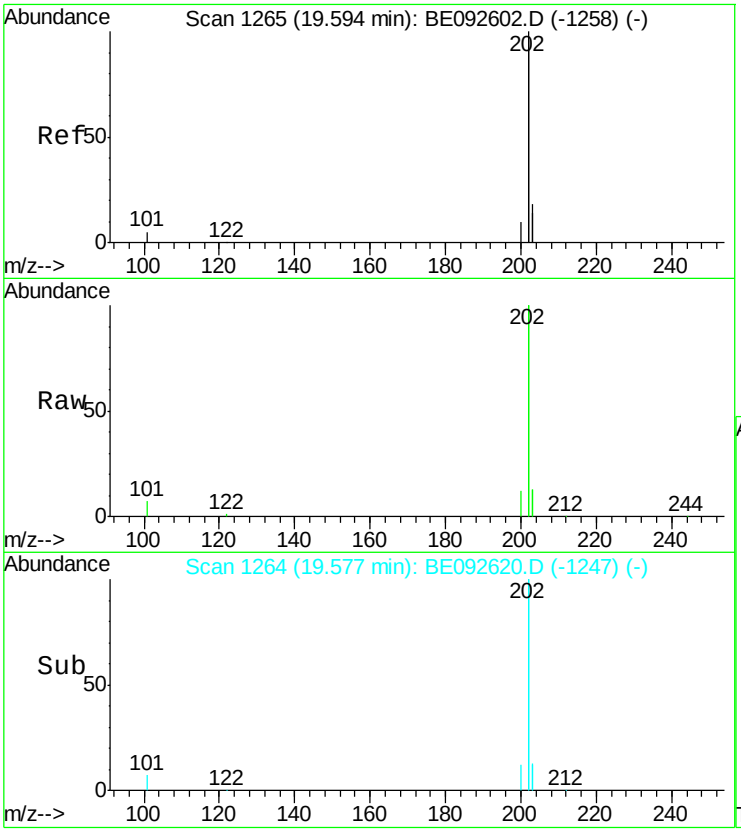


#22
Anthracene
Concen: 4.91 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:178 Resp: 54547

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.2	12.2	18.2



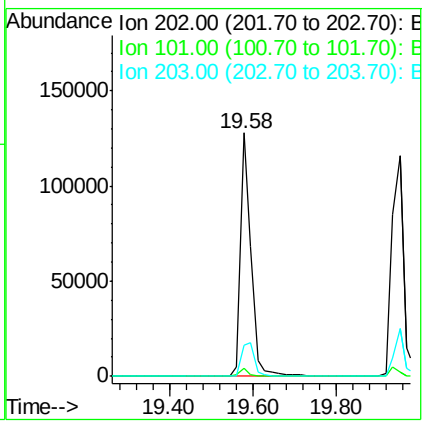


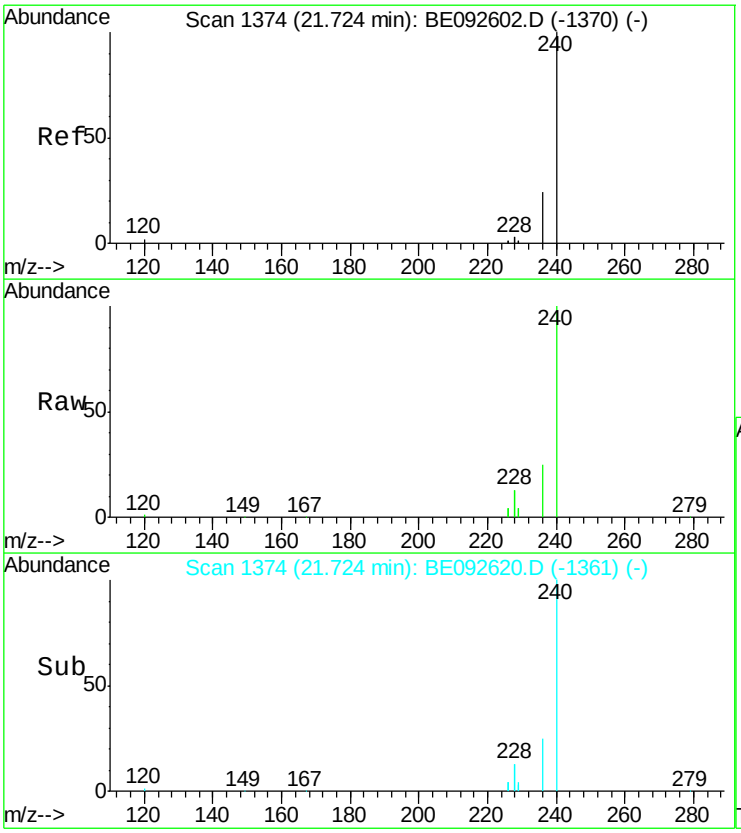
#23
Fluoranthene
Concen: 4.24 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:202 Resp: 222742

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.3	13.7	20.5

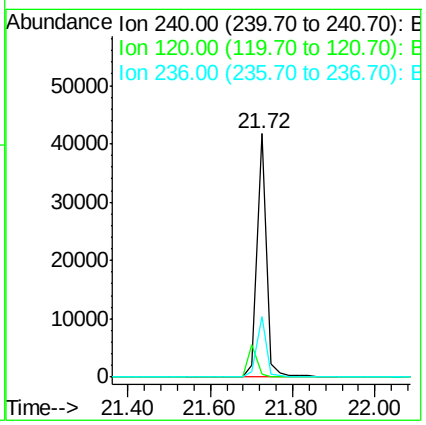


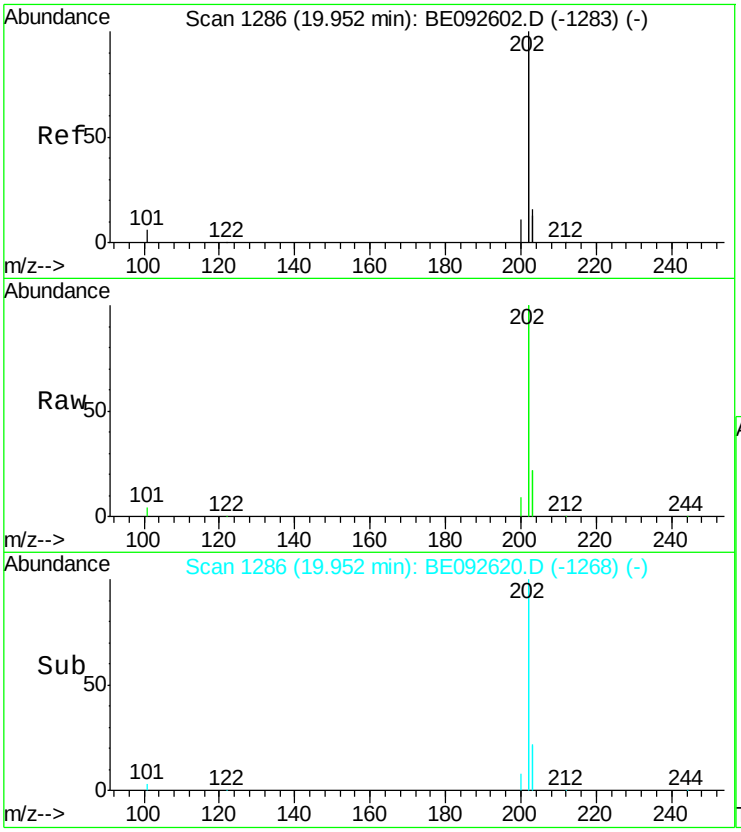


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:240 Resp: 64757

Ion	Ratio	Lower	Upper
240	100		
120	1.3	2.6	4.0#
236	24.7	24.6	37.0



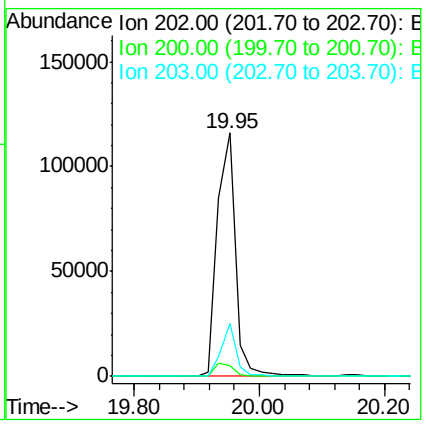


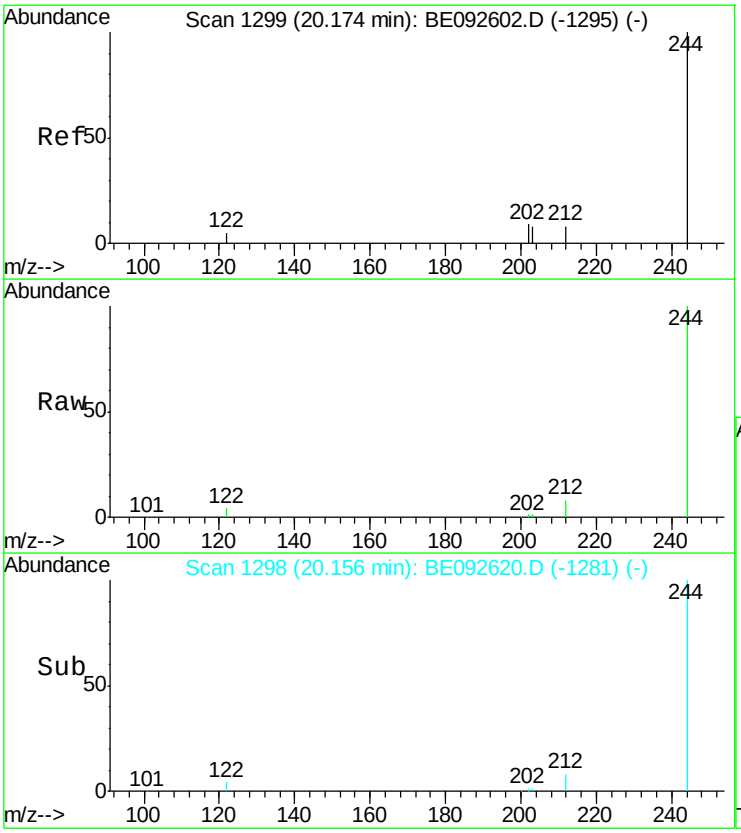
#25
Pyrene
Concen: 4.03 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:202 Resp: 229560

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.9	13.9	20.9

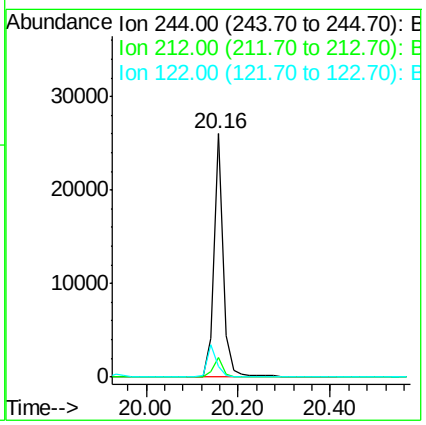


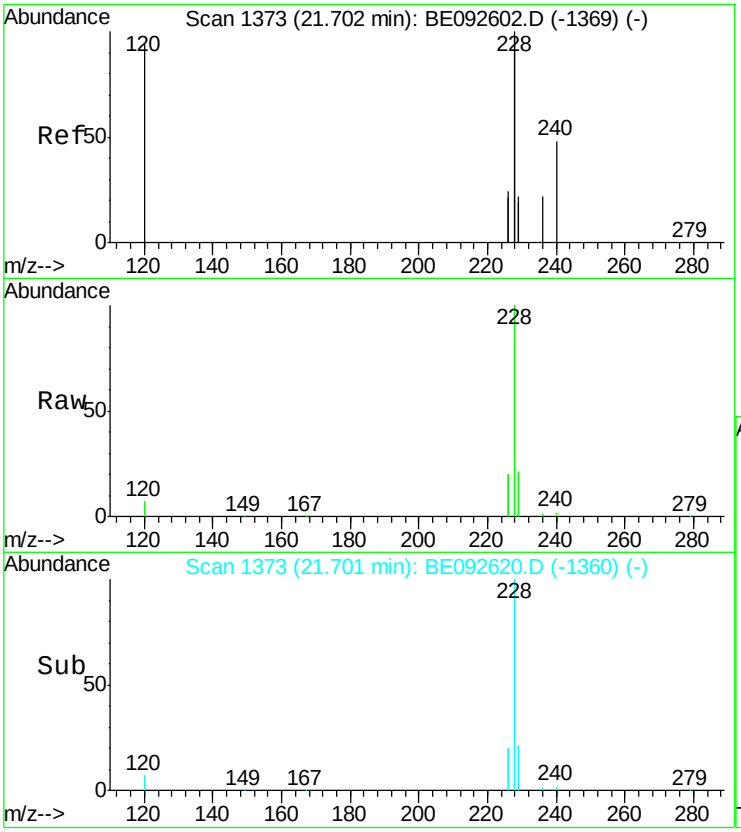


#26
Terphenyl-d14
Concen: 4.66 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:244 Resp: 37037

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.7	10.1
122	4.1	3.6	5.4



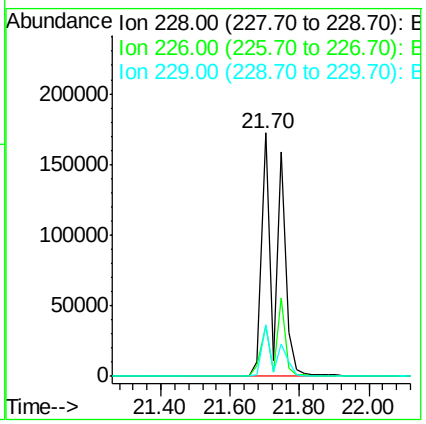


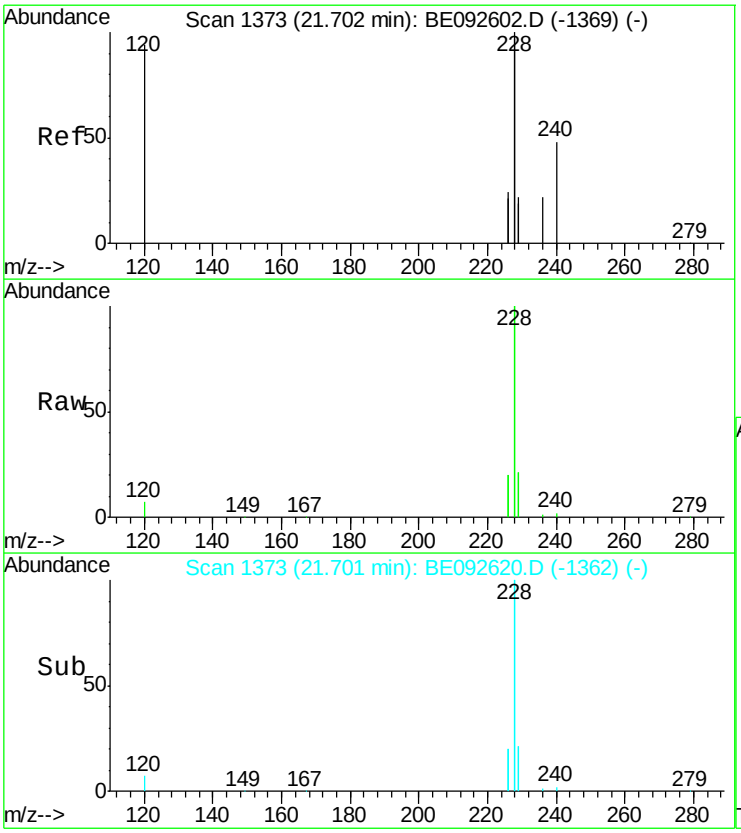
#27
Benzo(a)anthracene
Concen: 9.18 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:228 Resp: 533875

Ion	Ratio	Lower	Upper
228	100		
226	20.4	23.6	35.4#
229	21.5	13.3	19.9#

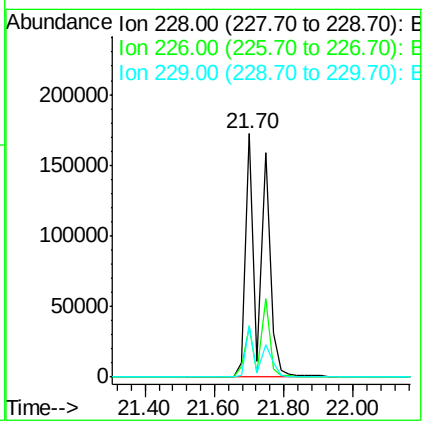


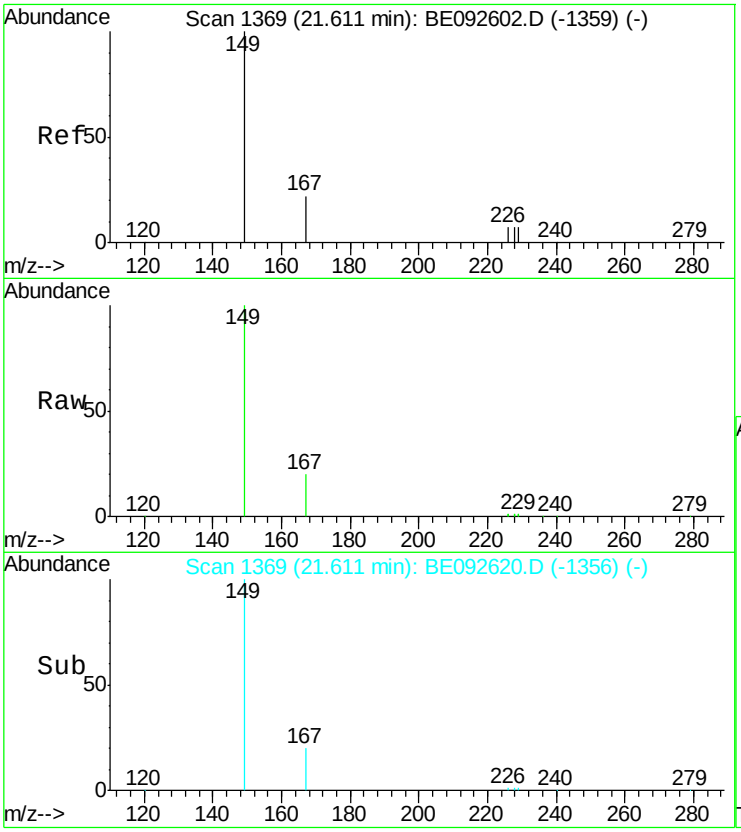


#28
Chrysene
Concen: 7.94 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.05 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:228 Resp: 535240

Ion	Ratio	Lower	Upper
228	100		
226	20.4	36.3	54.5#
229	21.5	10.6	16.0#



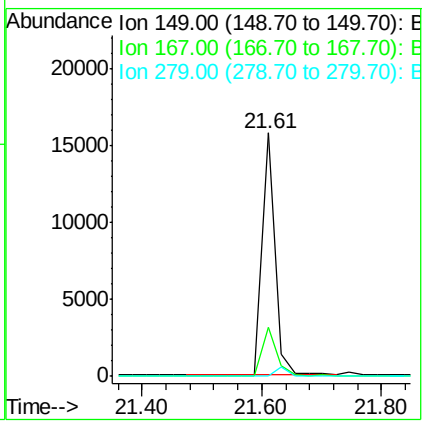


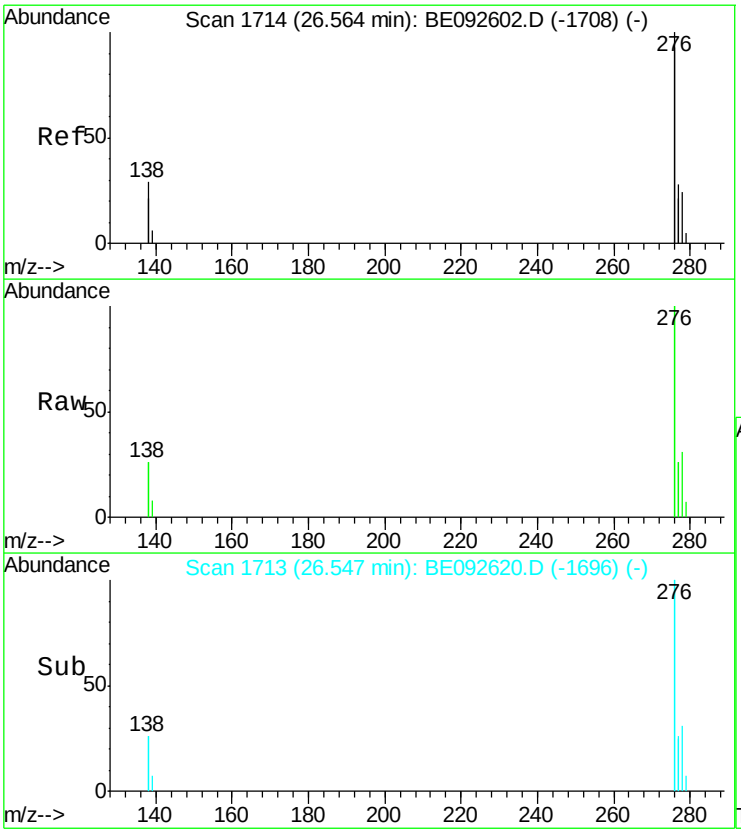
#29
Bis(2-ethylhexyl)phthalate
Concen: 3.05 ng
RT: 21.61 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:149 Resp: 23882

Ion	Ratio	Lower	Upper
149	100		
167	21.6	16.0	24.0
279	0.0	16.0	24.0#

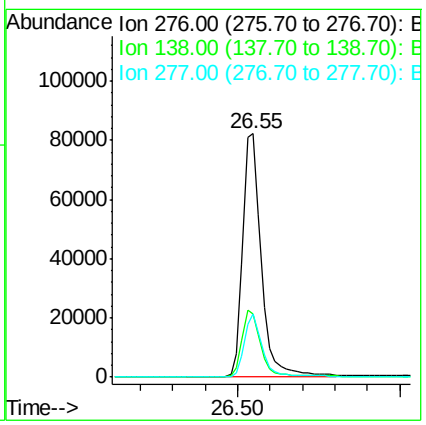


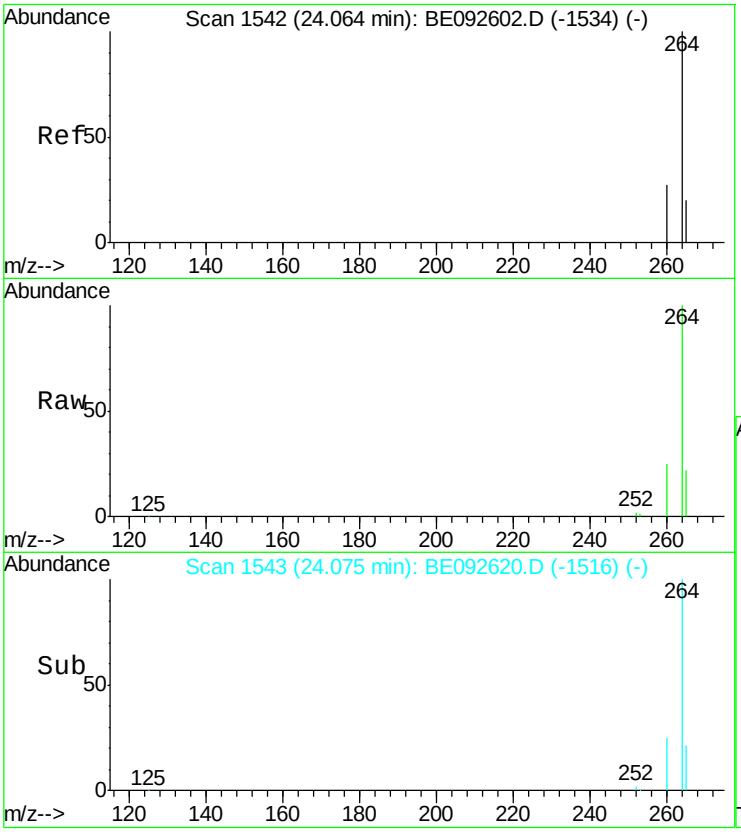


#30
Indeno(1,2,3-cd)pyrene
Concen: 5.33 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:276 Resp: 324720

Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.3	30.5
277	24.5	19.7	29.5



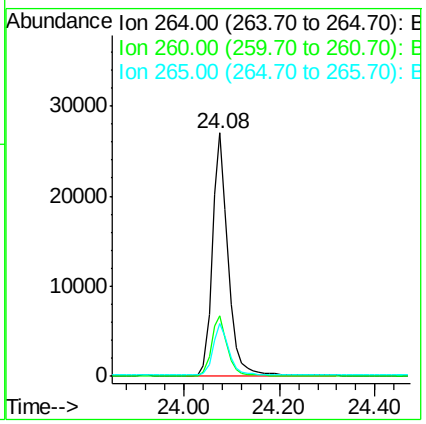


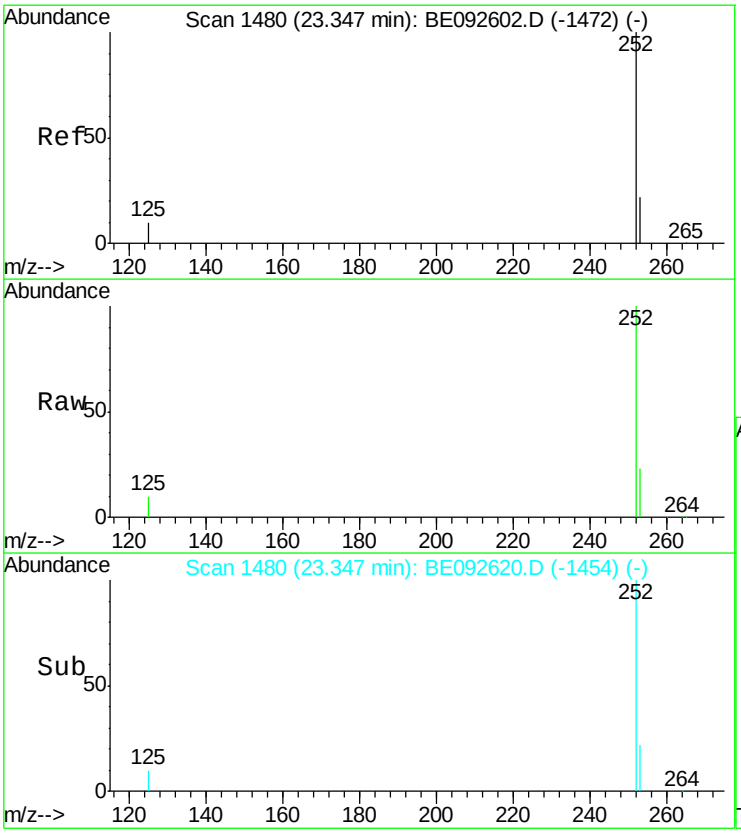
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:264 Resp: 62380

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	21.8	17.9	26.9

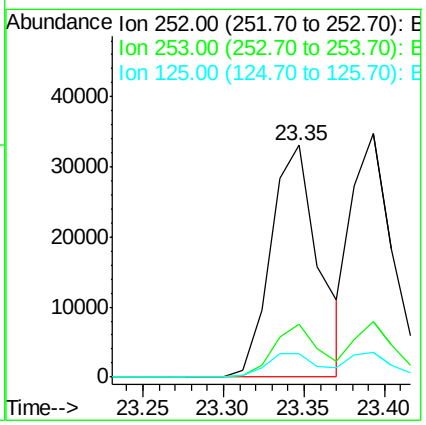


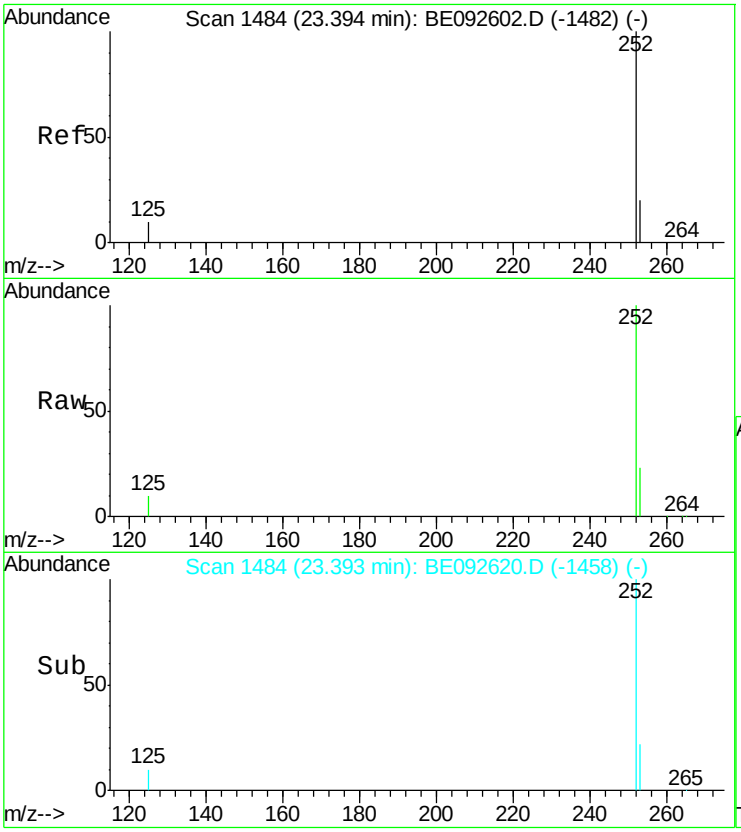


#32
Benzo(b)fluoranthene
Concen: 4.77 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:252 Resp: 68380

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.7	28.1
125	10.0	10.5	15.7#



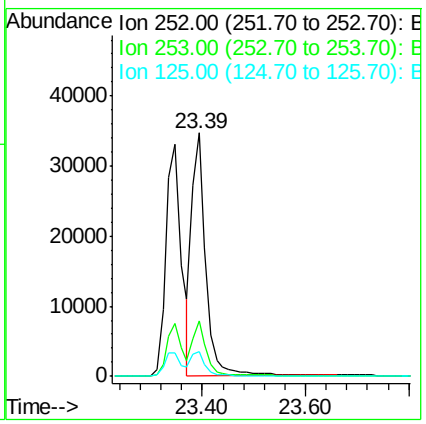


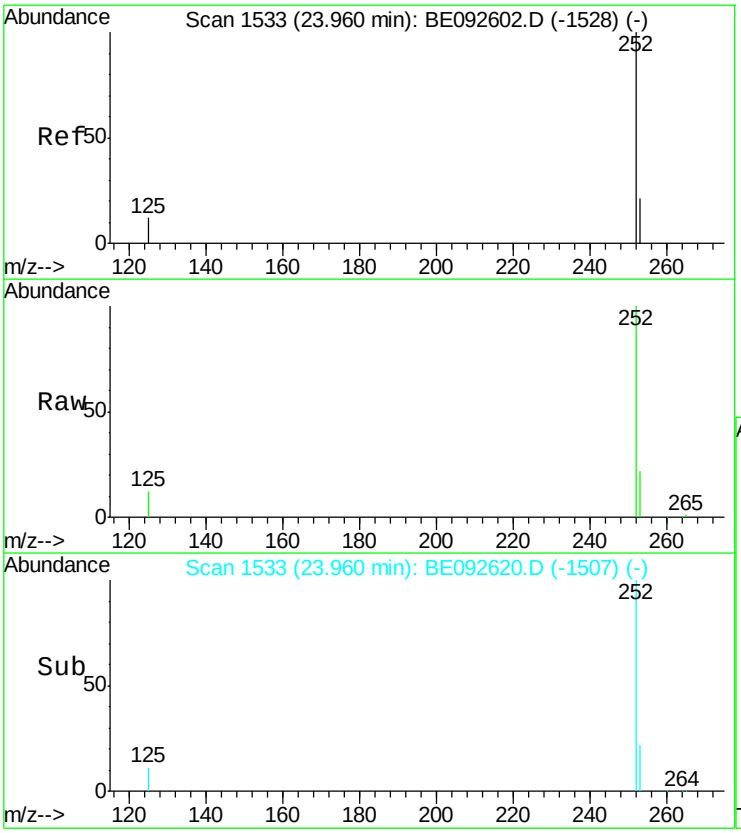
#33
Benzo(k)fluoranthene
Concen: 4.06 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:252 Resp: 65012

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.3	30.5
125	10.0	9.6	14.4

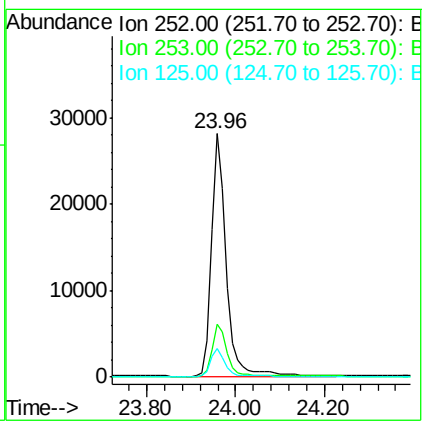


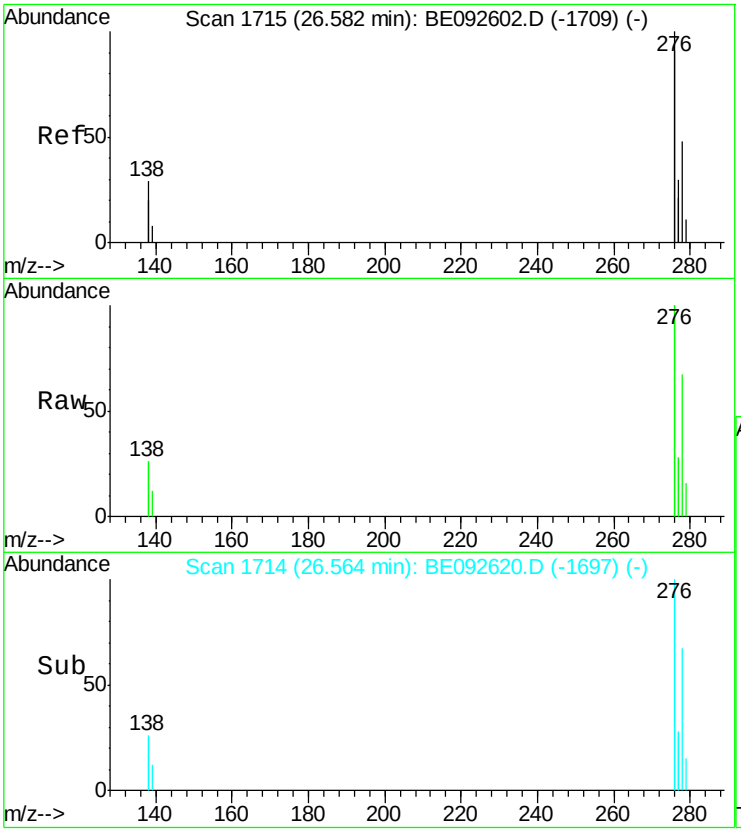


#34
Benzo(a)pyrene
Concen: 4.67 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:252 Resp: 64655

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.0	28.6
125	11.7	11.8	17.8#



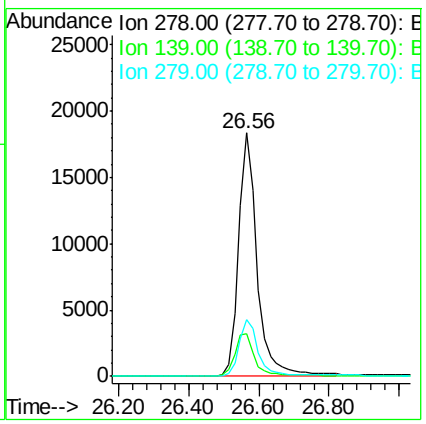


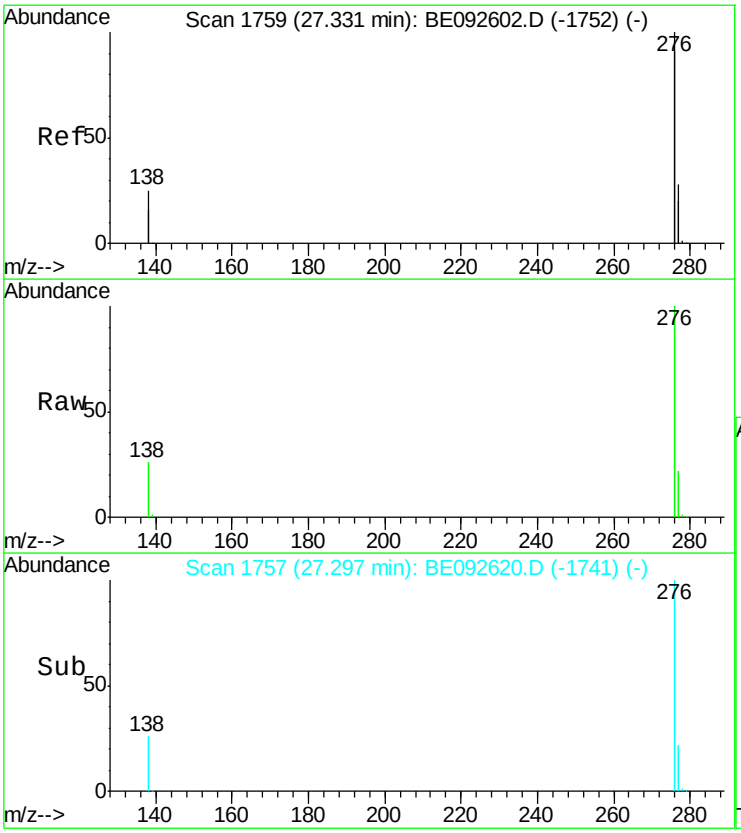
#35
Dibenzo(a,h)anthracene
Concen: 5.08 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.02 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Instrument :
BNA_E
ClientSampleId :
PB95532BS

Tgt Ion:278 Resp: 66780

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.8	20.8
279	23.5	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 4.96 ng
RT: 27.30 min Scan# 1757
Delta R.T. -0.03 min
Lab File: BE092620.D
Acq: 27 Dec 2016 13:06

Tgt Ion:276 Resp: 279410

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.8	29.8
138	25.8	19.8	29.6