Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112316\
Data File : BE092573.D
Acq On : 23 Nov 2016 11:01
Operator : UM/SJ
Sample : PB94794BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB94794BS

Quant Time: Nov 23 17:55:50 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8956	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	40905	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	25668	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	46514	5.00	ng		0.00
24) Chrysene-d12	21.72	240	65829	5.00	ng		0.00
31) Perylene-d12	24.08	264	58114	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	16290	10.77	ng		-0.02
5) Phenol-d6	7.31	99	23780	9.40	ng		-0.05
8) Nitrobenzene-d5	9.32	82	11207	4.23	ng		-0.05
13) 2,4,6-Tribromophenol	16.28	330	5565	9.66	ng		-0.02
14) 2-Fluorobiphenyl	13.41	172	25698	4.11	ng		-0.02
26) Terphenyl-d14	20.16	244	31230	4.15	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	3936	3.72	ng	#	53
3) n-Nitrosodimethylamine	3.73	42	6114	4.11	ng	#	96
6) bis(2-Chloroethyl)ether	7.56	93	10789	3.96	ng		87
9) Naphthalene	10.97	128	33140	3.93	ng	#	95
10) Hexachlorobutadiene	11.26	225	4949	3.85	ng		99
11) 2-Methylnaphthalene	12.60	142	21944	4.08	ng		94
15) Acenaphthylene	14.51	152	143086	4.00	ng		100
16) Acenaphthene	14.85	154	21459	3.68	ng		91
17) Fluorene	15.84	166	28589	3.96	ng		99
19) Hexachlorobenzene	16.86	284	8912	4.85	ng	#	64
20) Pentachlorophenol	17.21	266	5956	7.09	ng	#	86
21) Phenanthrene	17.58	178	48315	4.64	ng	#	94
22) Anthracene	17.67	178	46450	4.74	ng		99
23) Fluoranthene	19.58	202	207325	4.27	ng		100
25) Pyrene	19.95	202	214748	4.10	ng		99
27) Benzo(a)anthracene	21.70	228	472831	7.53	ng	#	91
28) Chrysene	21.70	228	474333	8.48	ng	#	71
29) Bis(2-ethylhexyl)phthalate	21.61	149	18294	4.30	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.55	276	285618	4.67	ng		97
32) Benzo(b)fluoranthene	23.35	252	58134	4.12	ng	#	97
33) Benzo(k)fluoranthene	23.39	252	55668	3.77	ng		95
34) Benzo(a)pyrene	23.96	252	56161	4.31	ng	#	94
35) Dibenzo(a,h)anthracene	26.56	278	59609	4.62	ng		96
36) Benzo(g,h,i)perylene	27.31	276	249425	4.56	ng		97

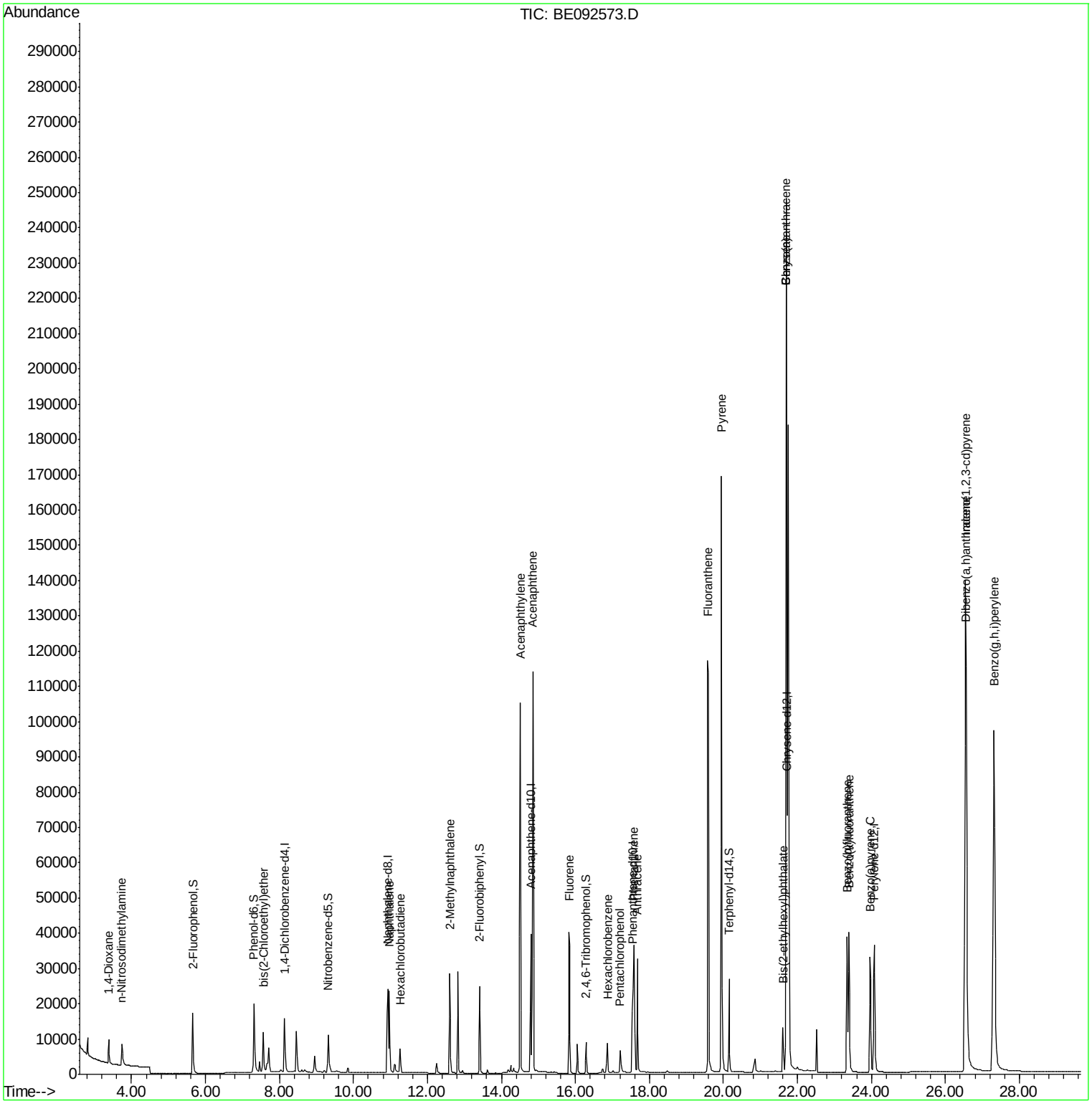
(#) = qualifier out of range (m) = manual integration (+) = signals summed

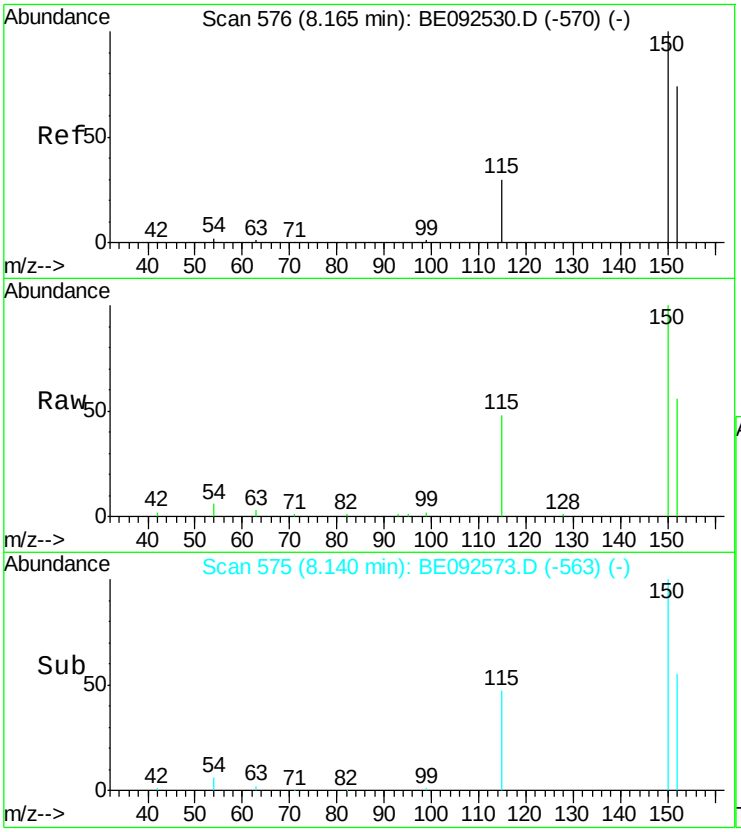
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112316\
Data File : BE092573.D
Acq On : 23 Nov 2016 11:01
Operator : UM/SJ
Sample : PB94794BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Quant Time: Nov 23 17:55:50 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration



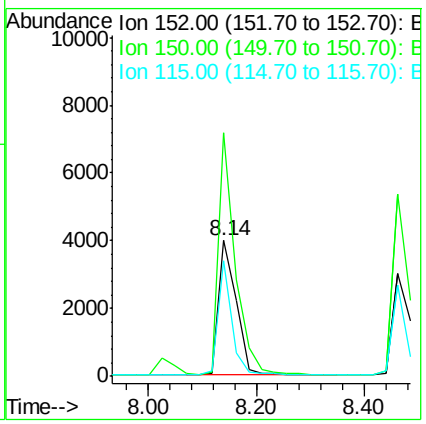


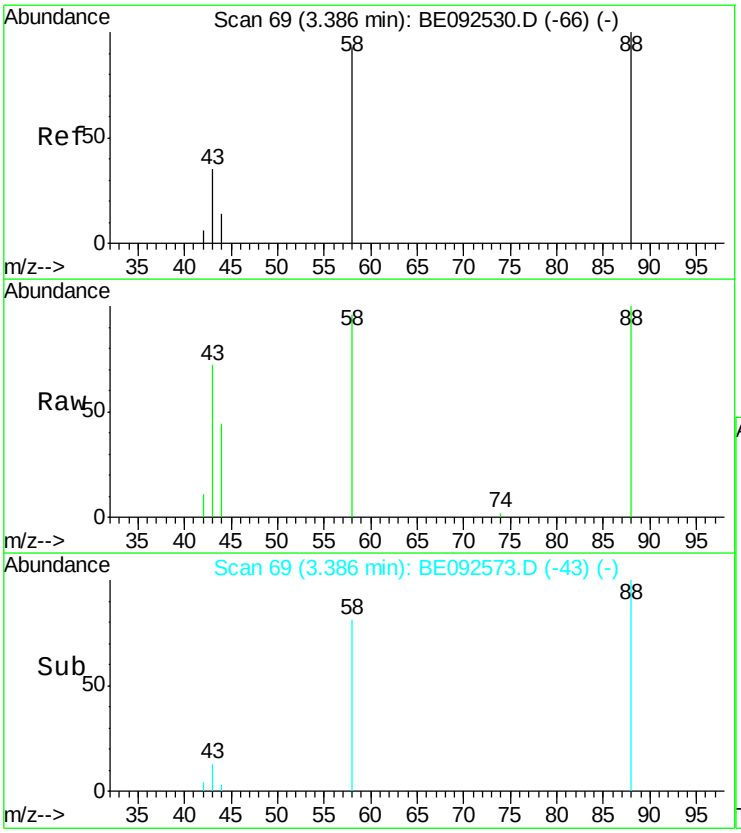
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:152 Resp: 8956

Ion	Ratio	Lower	Upper
152	100		
150	179.7	106.0	159.0#
115	85.6	31.2	46.8#

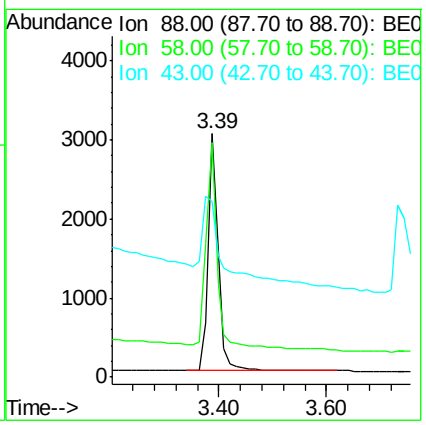


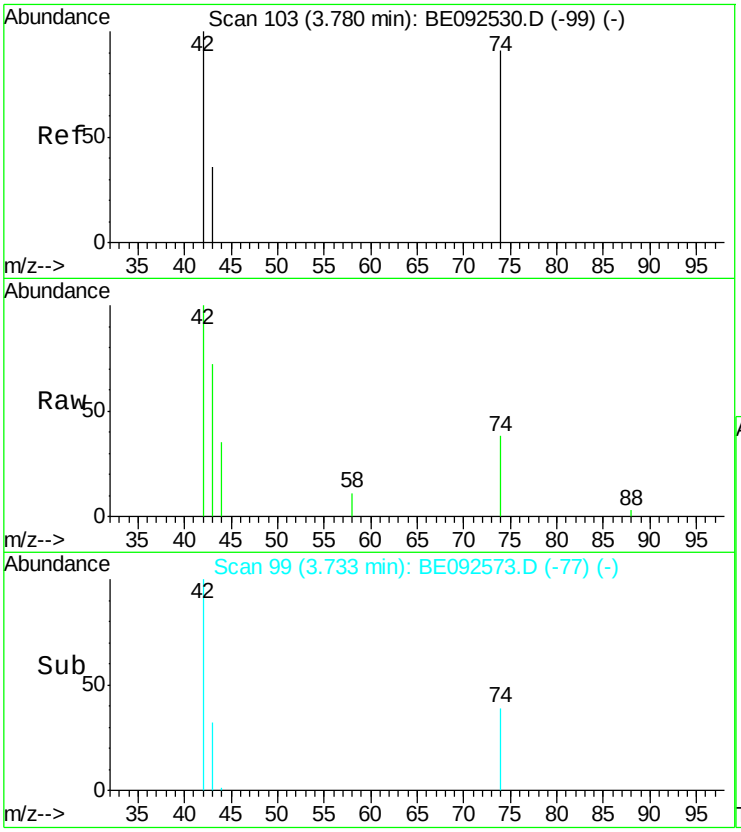


#2
1,4-Dioxane
Concen: 3.72 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion: 88 Resp: 3936

Ion	Ratio	Lower	Upper
88	100		
58	103.3	63.6	95.4#
43	89.2	28.0	42.0#



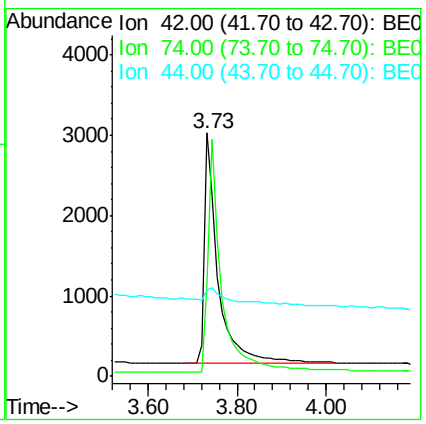


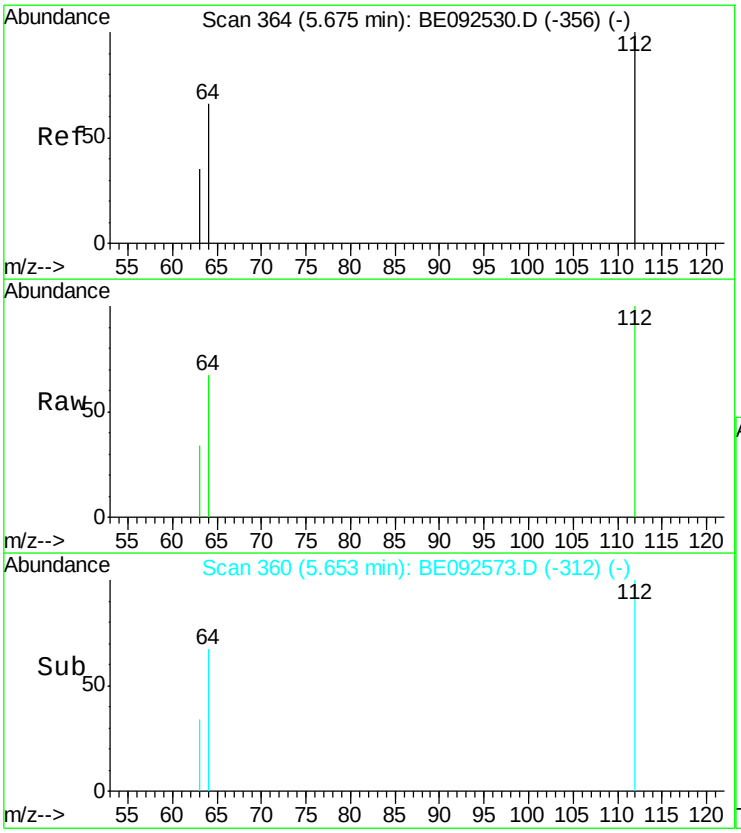
#3
n-Nitrosodimethylamine
Concen: 4.11 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.05 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion: 42 Resp: 6114

Ion	Ratio	Lower	Upper
42	100		
74	103.4	86.0	129.0
44	11.0	5.1	7.7#

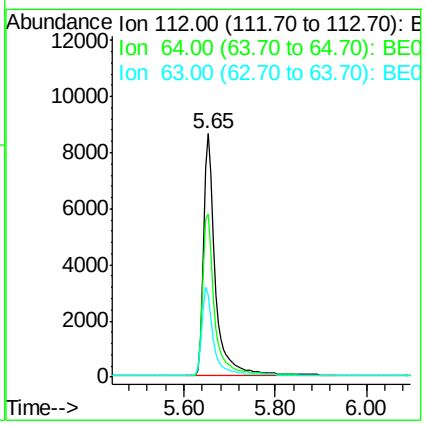


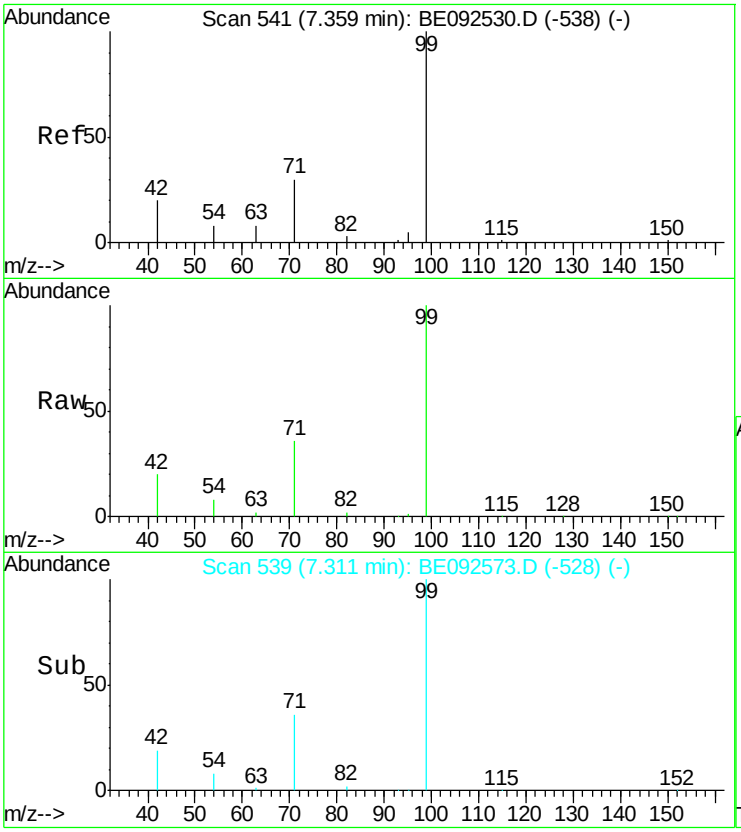


#4
2-Fluorophenol
Concen: 10.77 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:112 Resp: 16290

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.5	80.3
63	36.7	27.9	41.9



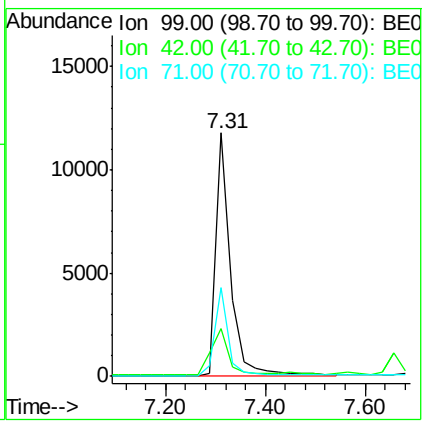


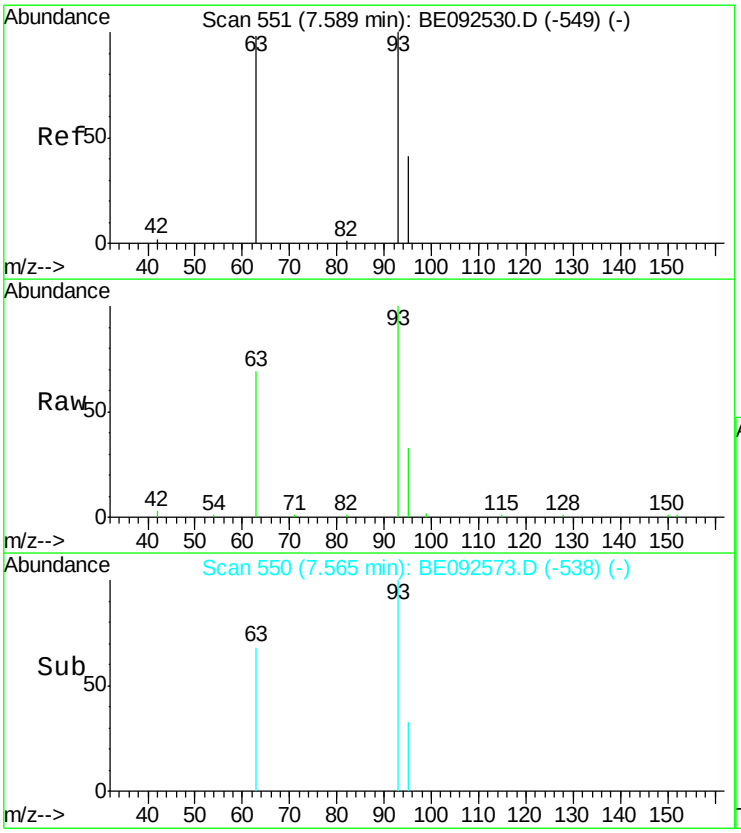
#5
Phenol-d6
Concen: 9.40 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.05 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion: 99 Resp: 23780

Ion	Ratio	Lower	Upper
99	100		
42	22.9	16.0	24.0
71	33.8	30.6	45.8

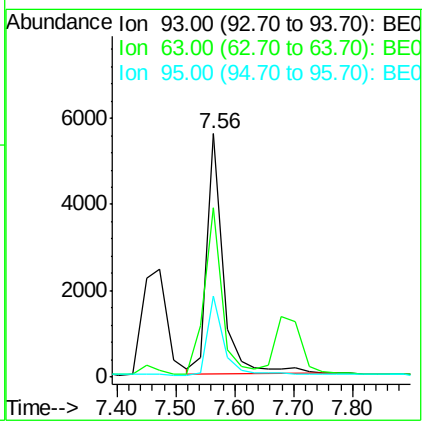


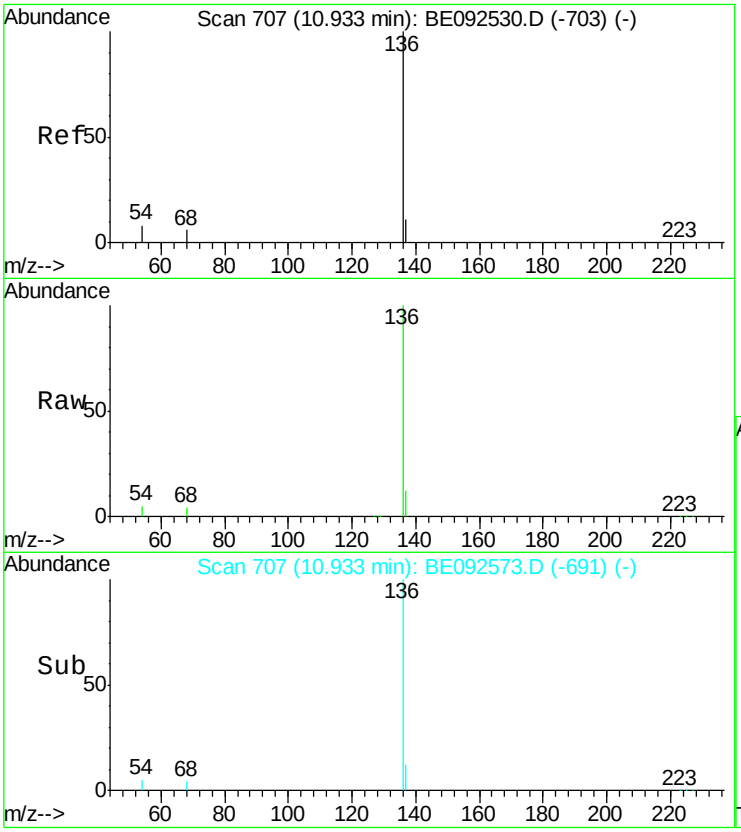


#6
bis(2-Chloroethyl)ether
Concen: 3.96 ng
RT: 7.56 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion: 93 Resp: 10789

Ion	Ratio	Lower	Upper
93	100		
63	74.3	71.6	107.4
95	32.7	24.0	36.0



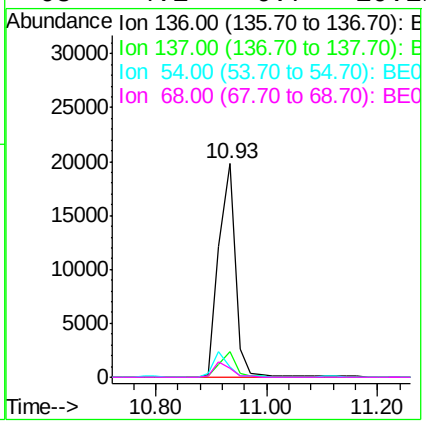


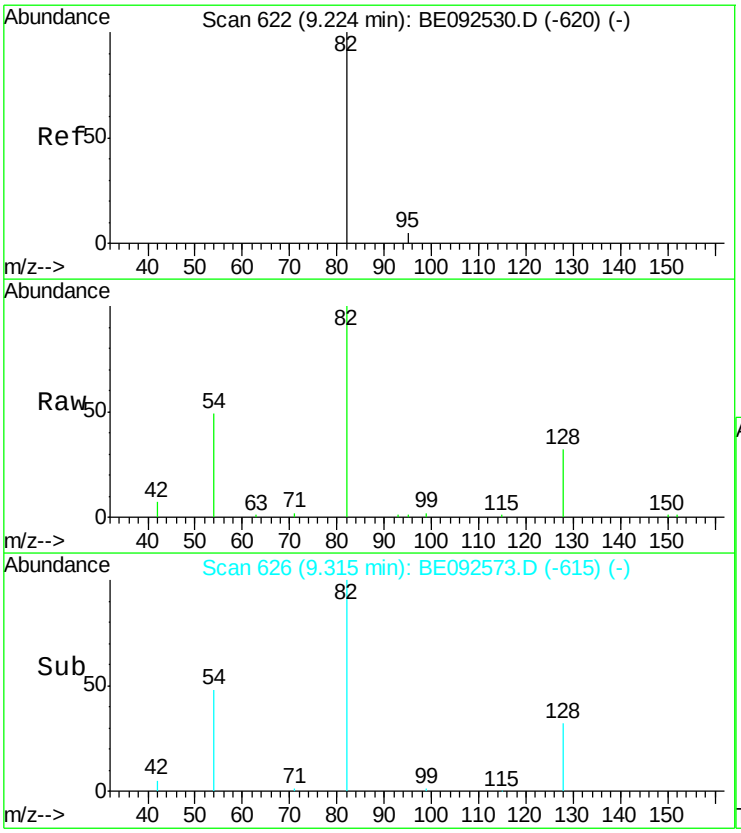
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:136 Resp: 40905

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.2	12.4
54	5.0	9.6	14.4#
68	4.1	6.7	10.1#

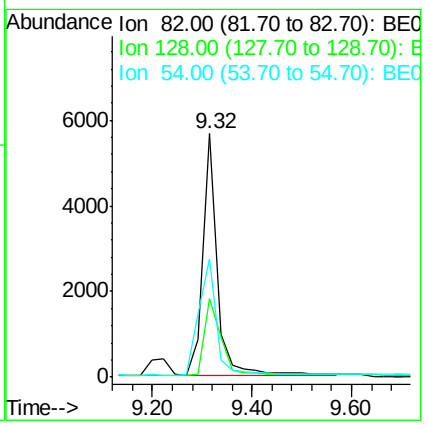


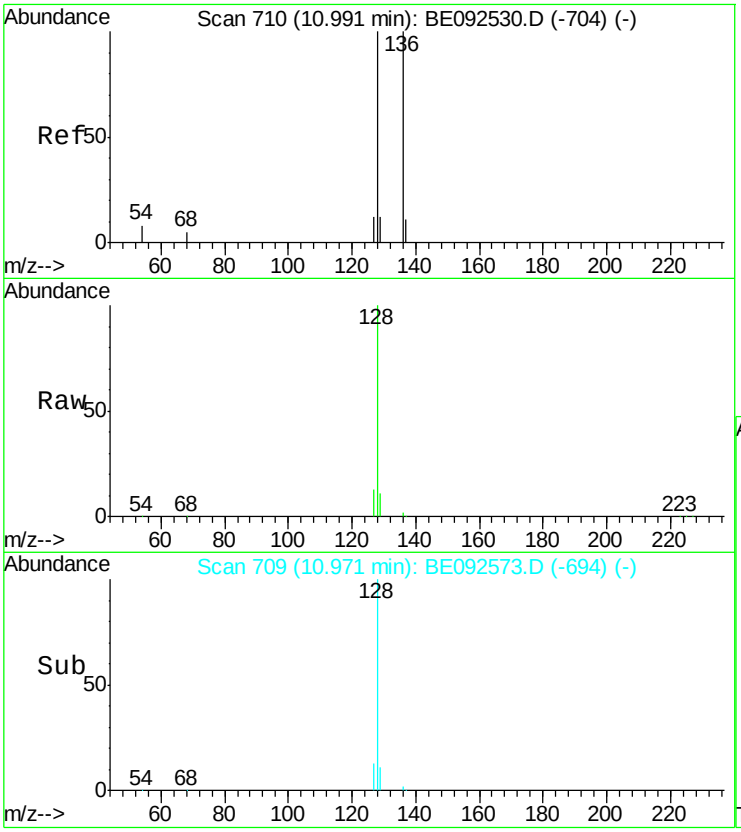


#8
Nitrobenzene-d5
Concen: 4.23 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion: 82 Resp: 11207

Ion	Ratio	Lower	Upper
82	100		
128	32.3	39.0	58.4#
54	48.6	44.8	67.2



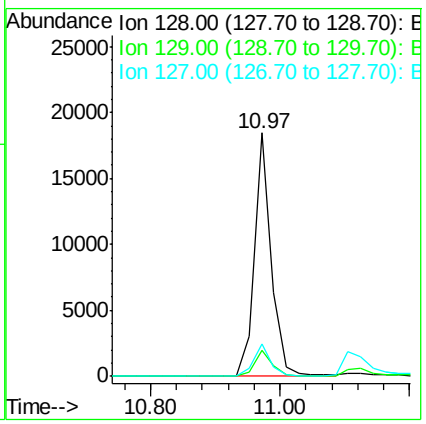


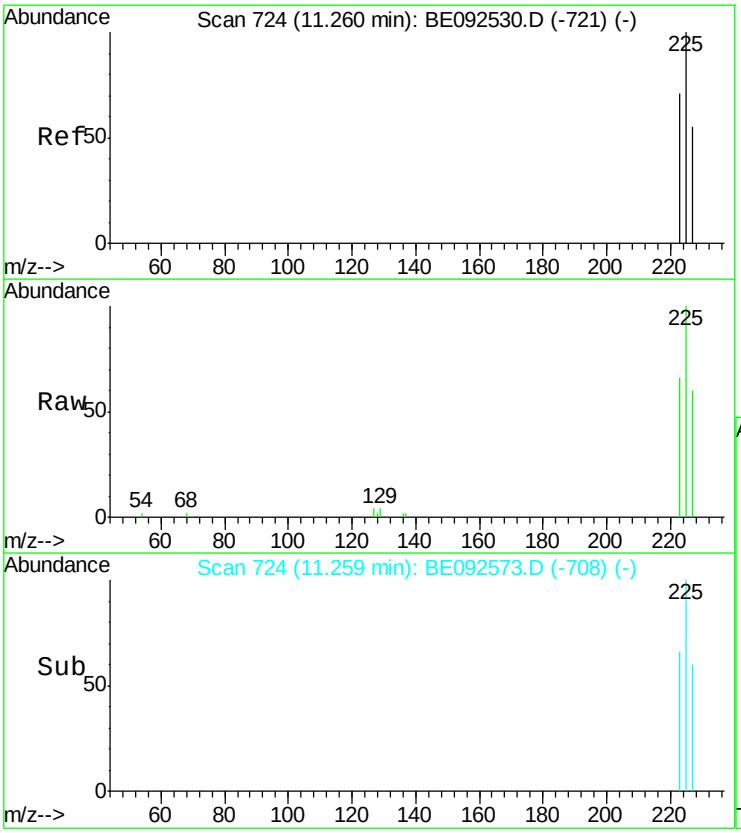
#9
Naphthalene
Concen: 3.93 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:128 Resp: 33140

Ion	Ratio	Lower	Upper
128	100		
129	10.9	11.2	16.8#
127	13.3	11.6	17.4

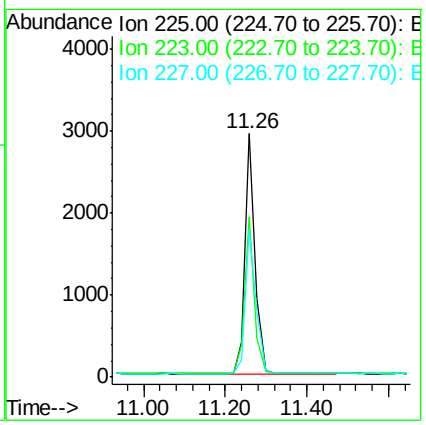


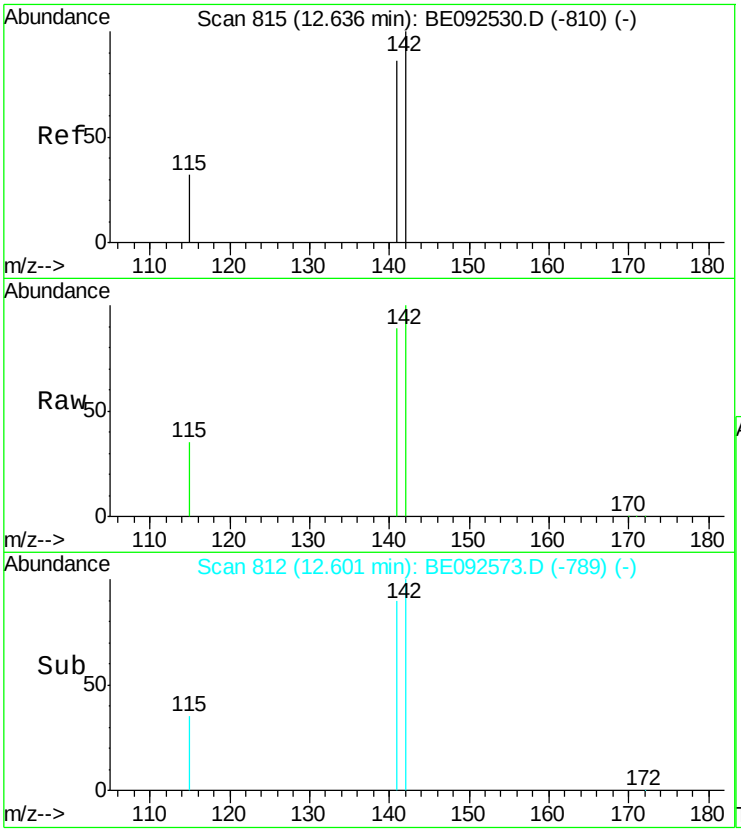


#10
Hexachlorobutadiene
Concen: 3.85 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:225 Resp: 4949

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	63.4	51.4	77.0



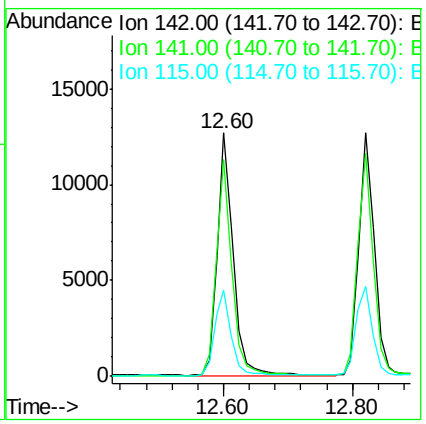


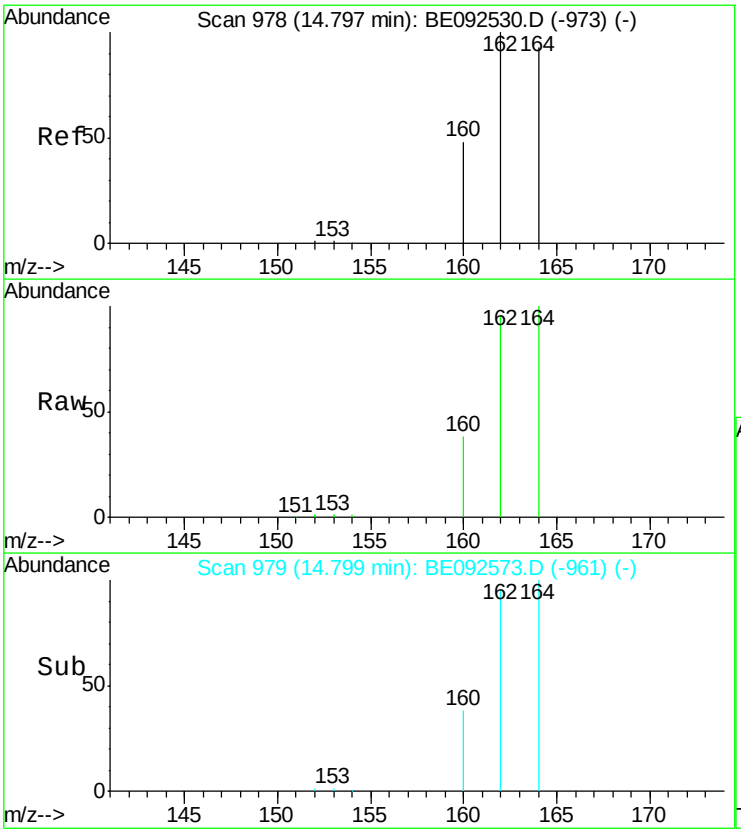
#11
2-Methylnaphthalene
Concen: 4.08 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.04 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:142 Resp: 21944

Ion	Ratio	Lower	Upper
142	100		
141	89.0	73.7	110.5
115	35.4	34.0	51.0

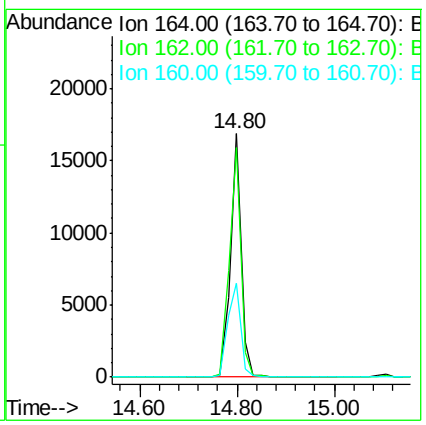


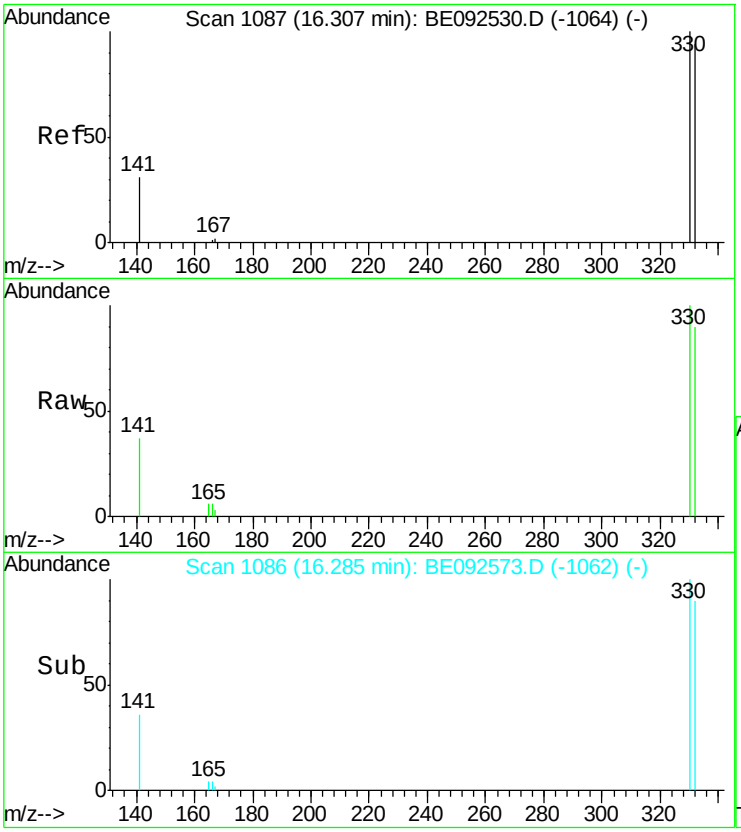


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:164 Resp: 25668

Ion	Ratio	Lower	Upper
164	100		
162	94.5	71.4	107.0
160	38.4	27.4	41.2



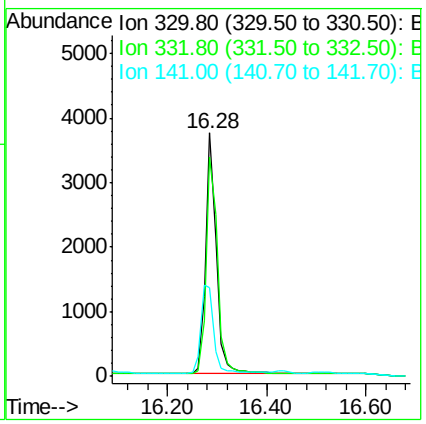


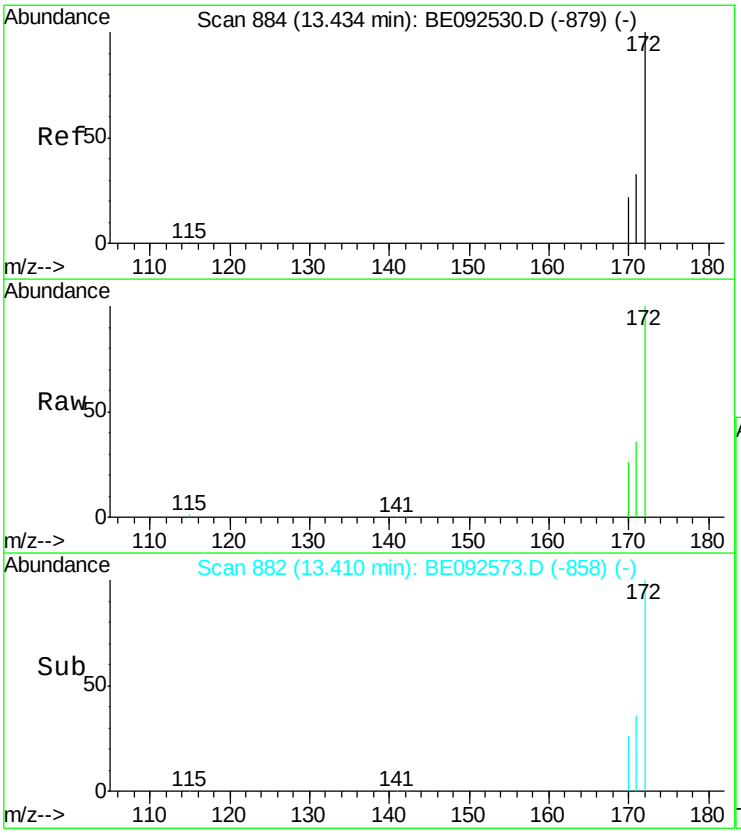
#13
2,4,6-Tribromophenol
Concen: 9.66 ng
RT: 16.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:330 Resp: 5565

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	43.7	31.0	46.6

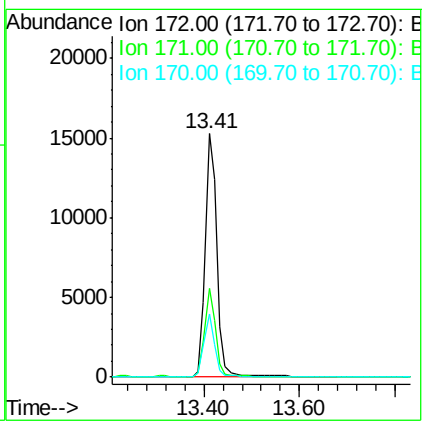


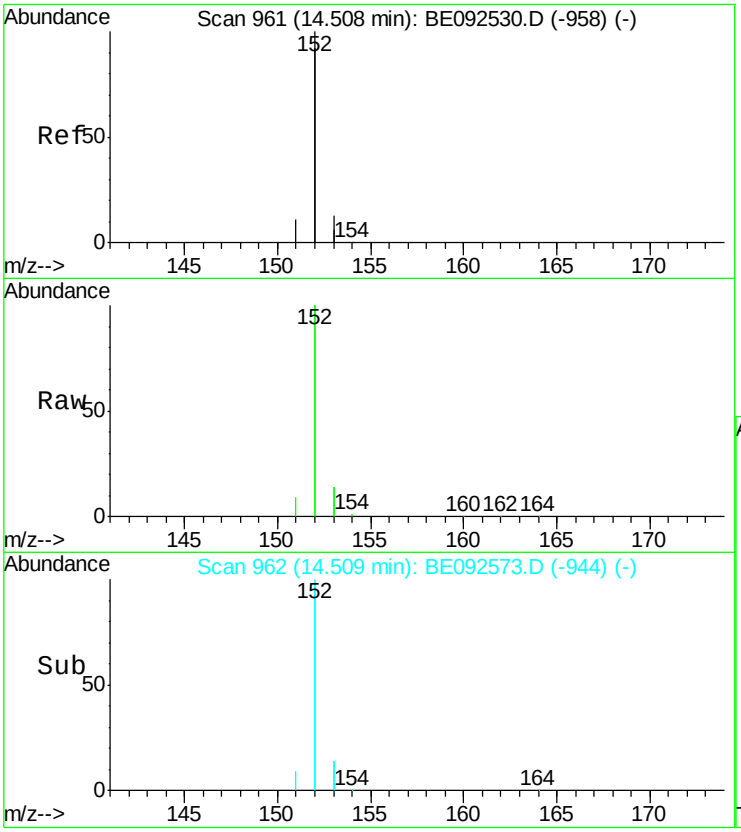


#14
2-Fluorobiphenyl
Concen: 4.11 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:172 Resp: 25698

Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	25.9	21.8	32.6



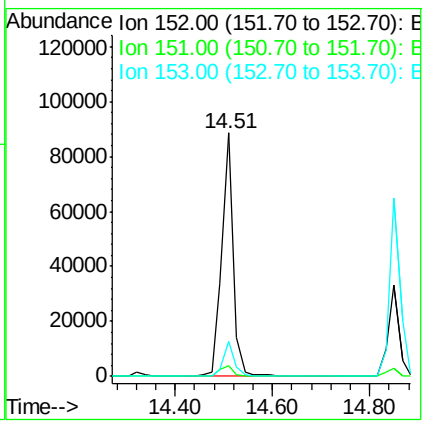


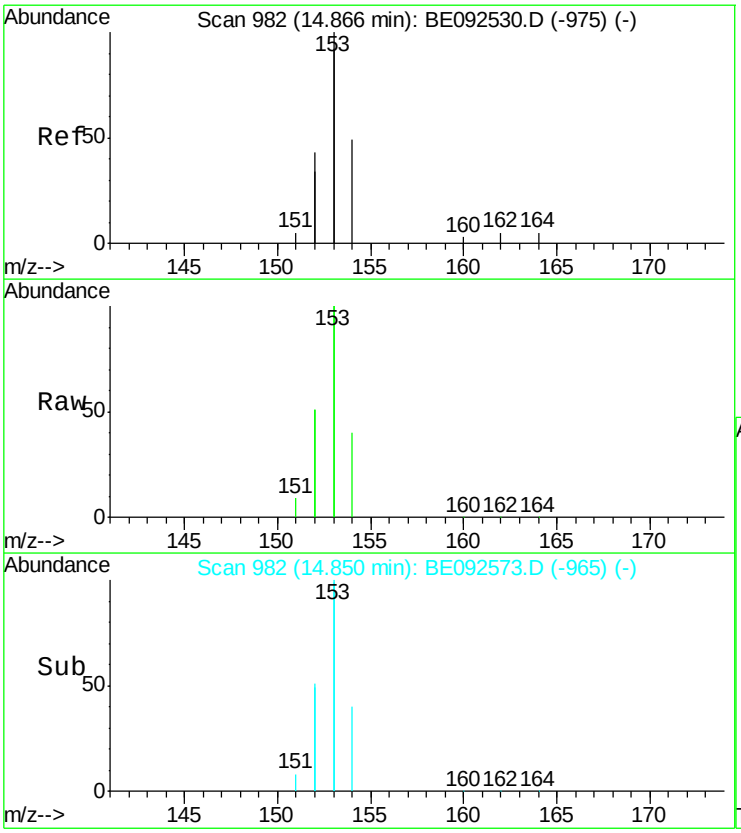
#15
Acenaphthylene
Concen: 4.00 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:152 Resp: 143086

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.2	10.4	15.6

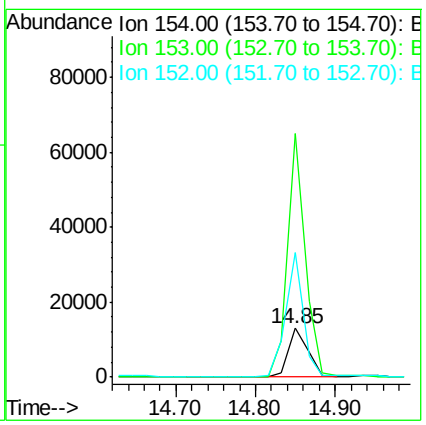


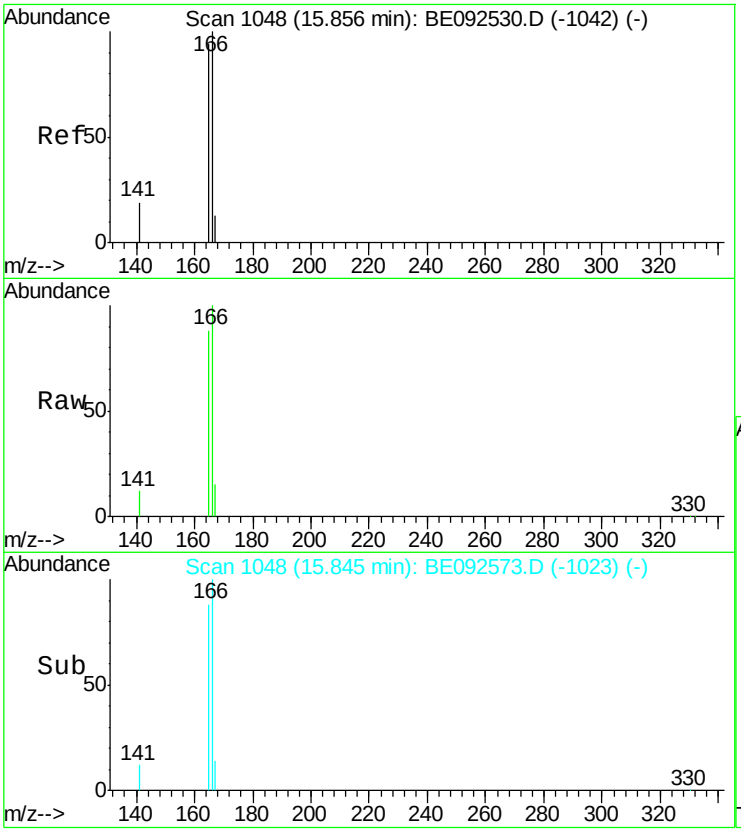


#16
Acenaphthene
Concen: 3.68 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:154 Resp: 21459

Ion	Ratio	Lower	Upper
154	100		
153	456.1	350.8	526.2
152	232.4	171.1	256.7



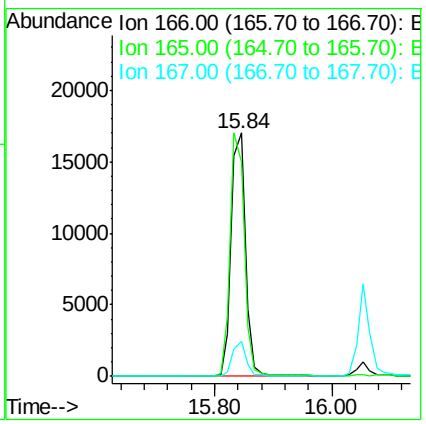


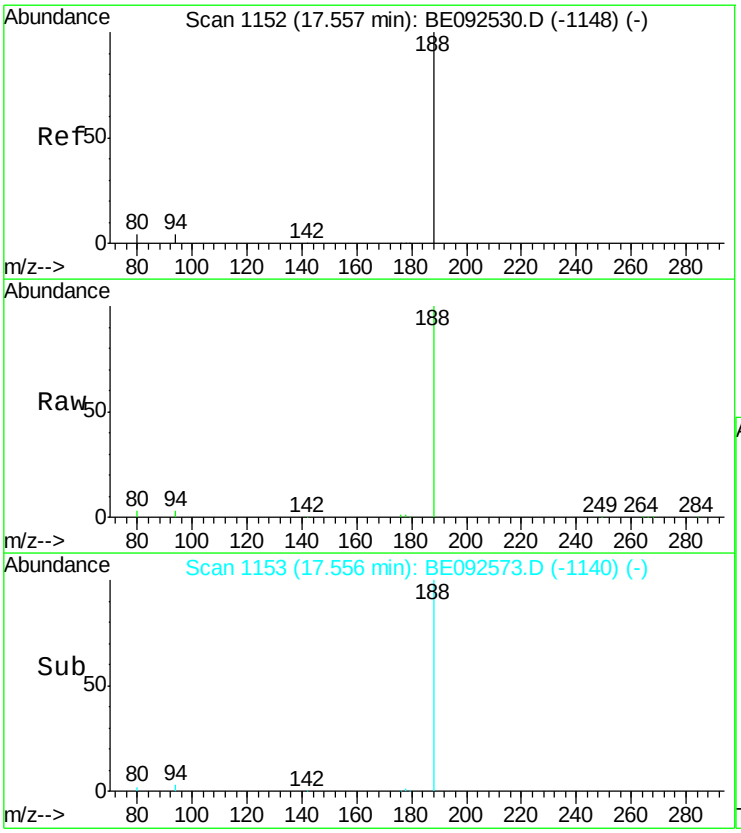
#17
Fluorene
Concen: 3.96 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:166 Resp: 28589

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.4
167	13.4	11.0	16.4

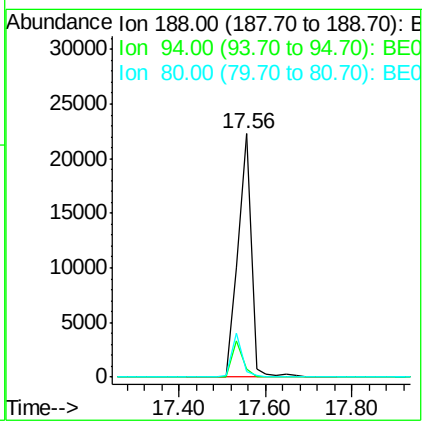


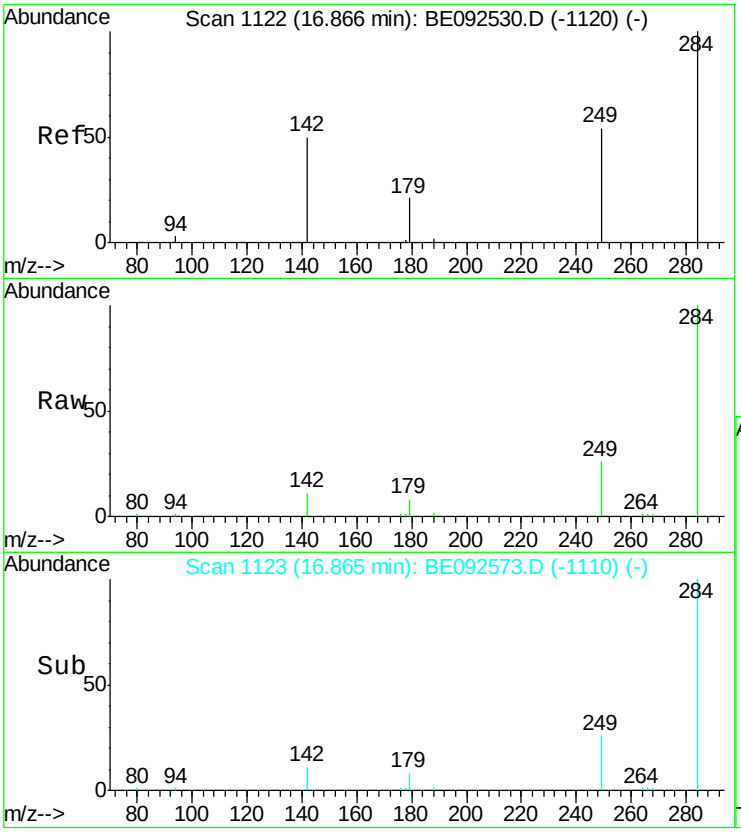


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:188 Resp: 46514

Ion	Ratio	Lower	Upper
188	100		
94	3.1	3.2	4.8#
80	2.5	2.6	3.8#



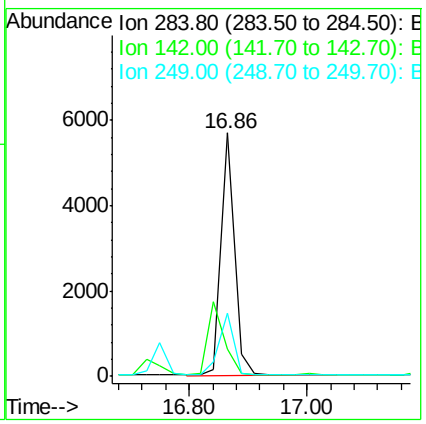


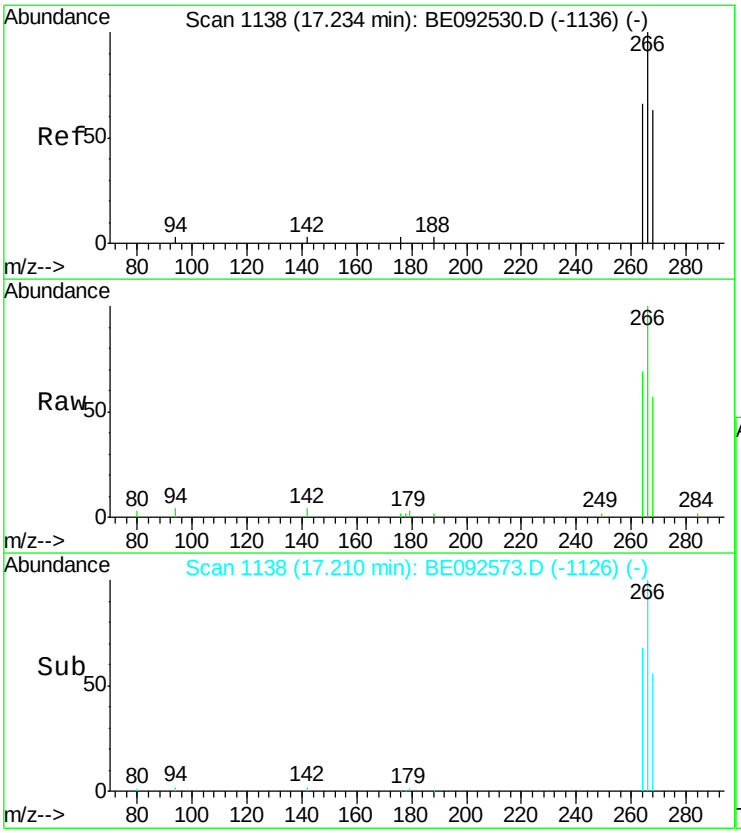
#19
Hexachlorobenzene
Concen: 4.85 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:284 Resp: 8912

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.6	27.9	41.9

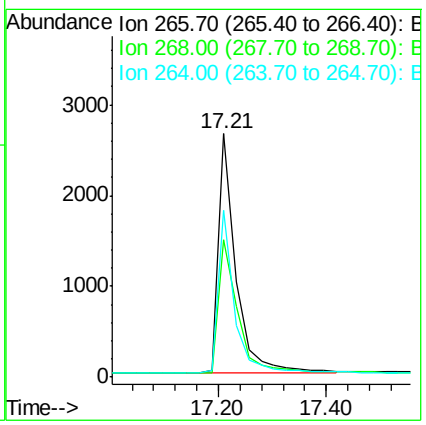


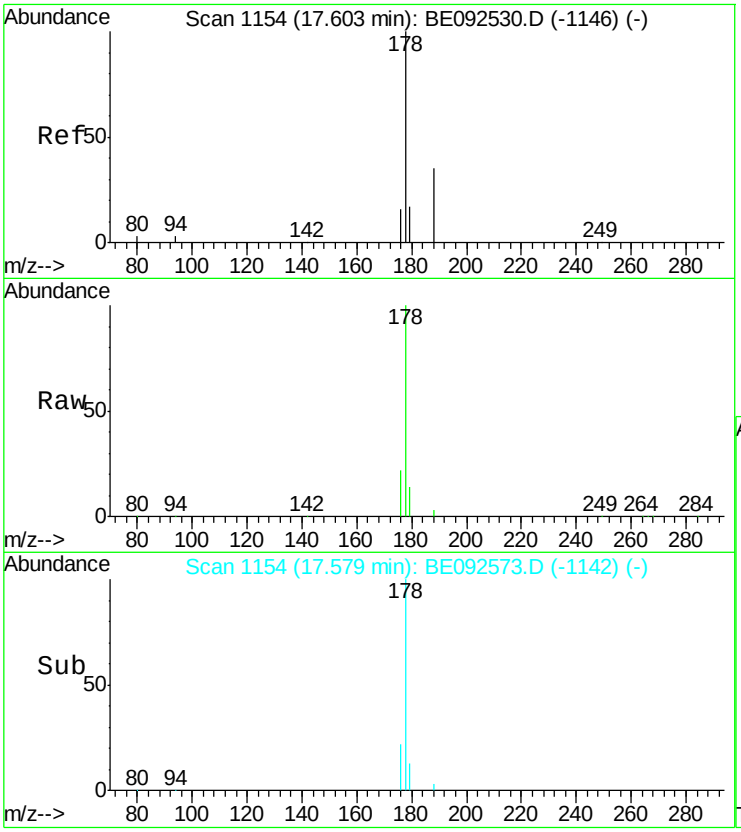


#20
Pentachlorophenol
Concen: 7.09 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:266 Resp: 5956

Ion	Ratio	Lower	Upper
266	100		
268	56.6	62.5	93.7#
264	68.8	57.2	85.8



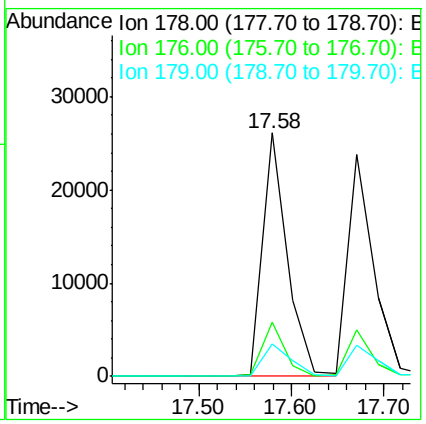


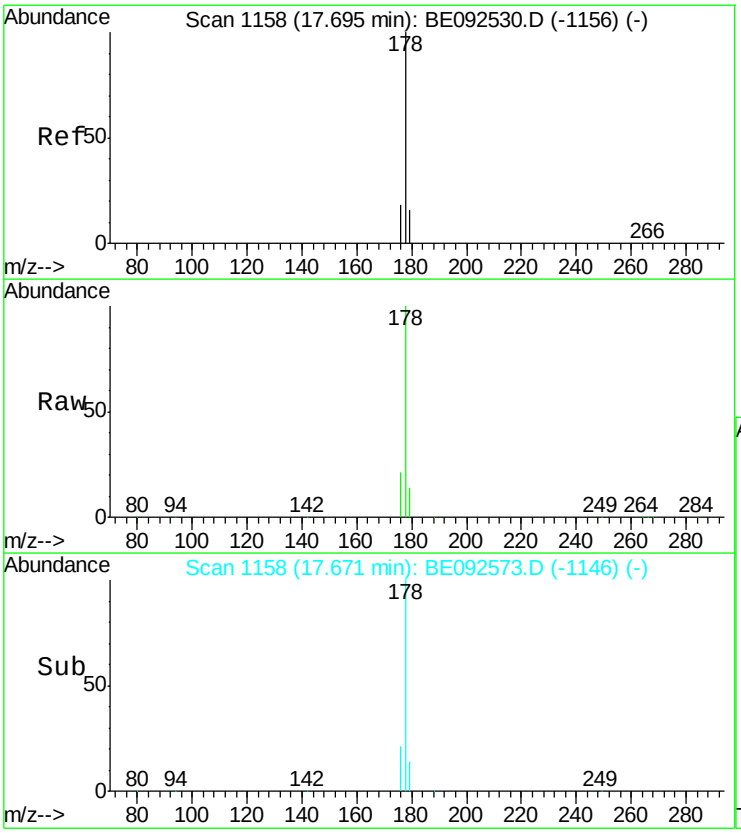
#21
Phenanthrene
Concen: 4.64 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:178 Resp: 48315

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	14.9	16.0	24.0#

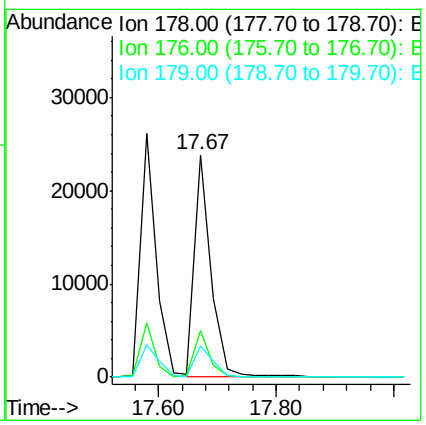


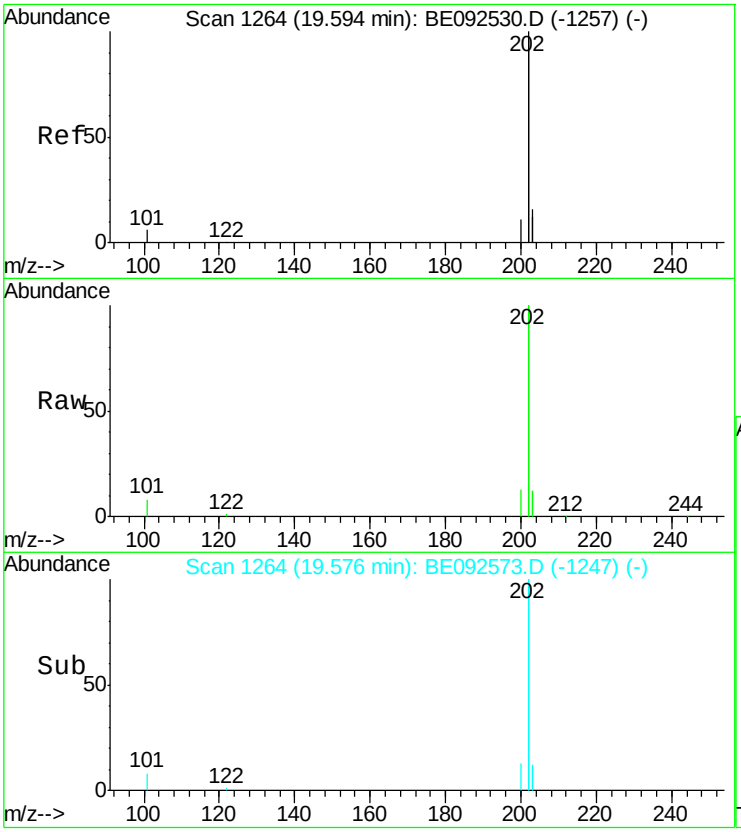


#22
Anthracene
Concen: 4.74 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:178 Resp: 46450

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	15.1	12.2	18.2



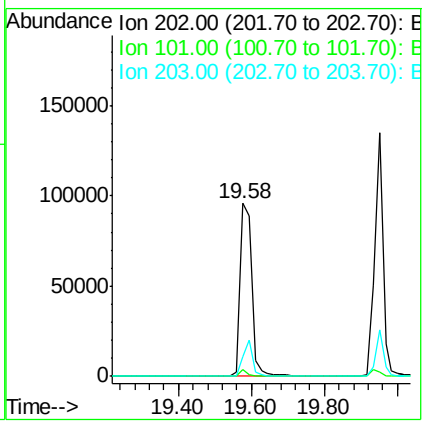


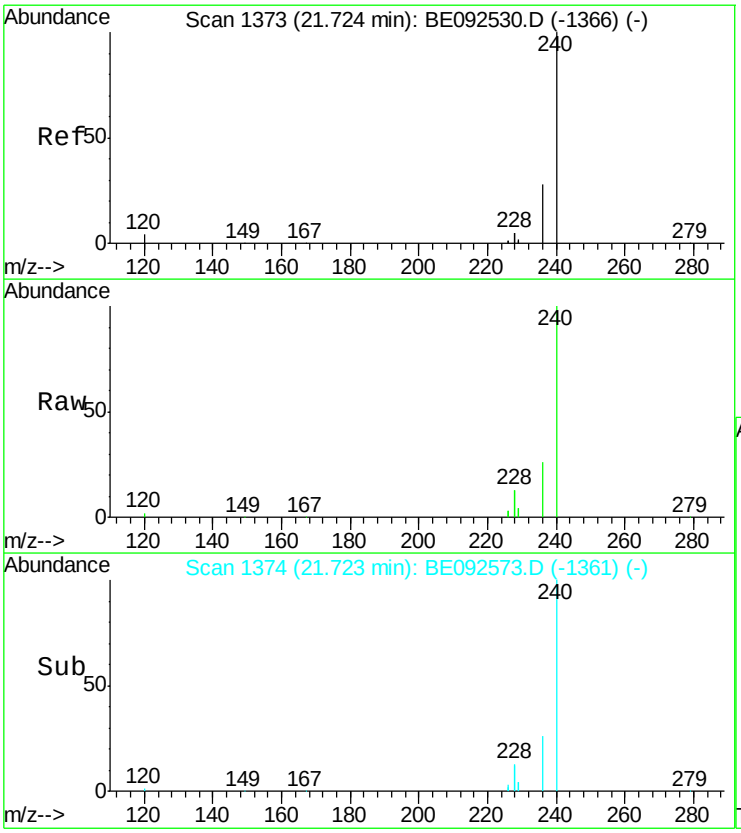
#23
Fluoranthene
Concen: 4.27 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:202 Resp: 207325

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.3	13.7	20.5

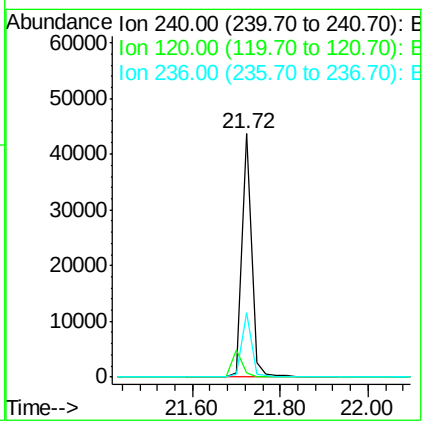


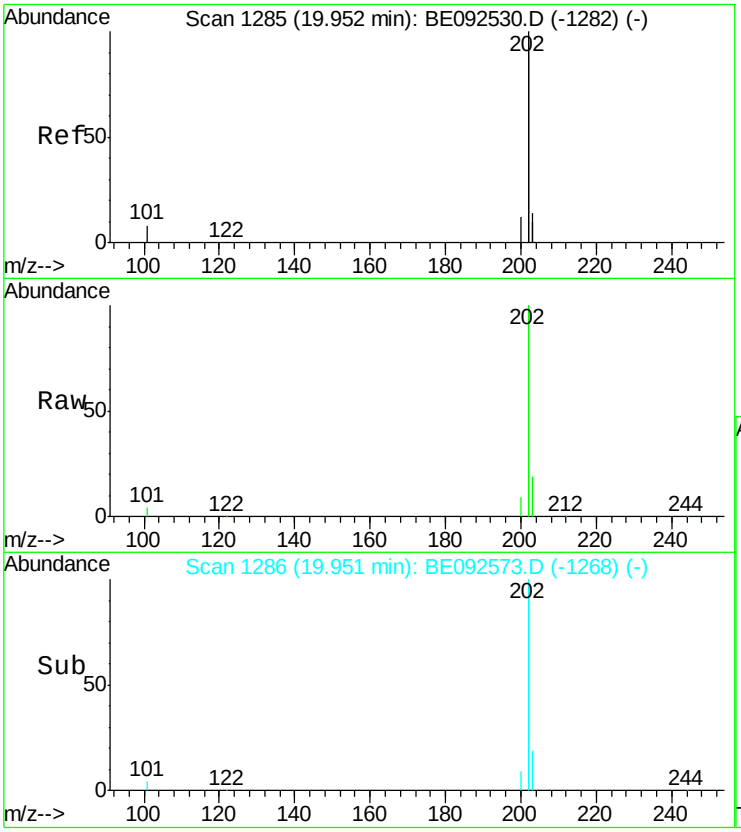


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:240 Resp: 65829

Ion	Ratio	Lower	Upper
240	100		
120	1.6	2.6	4.0#
236	26.5	24.6	37.0



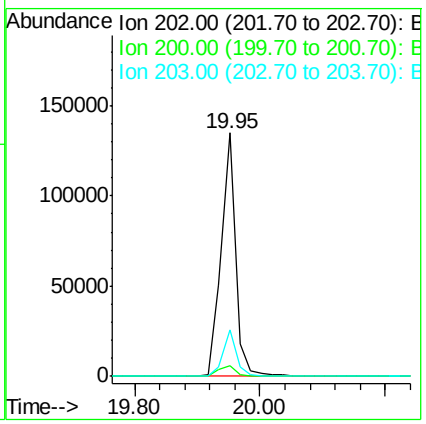


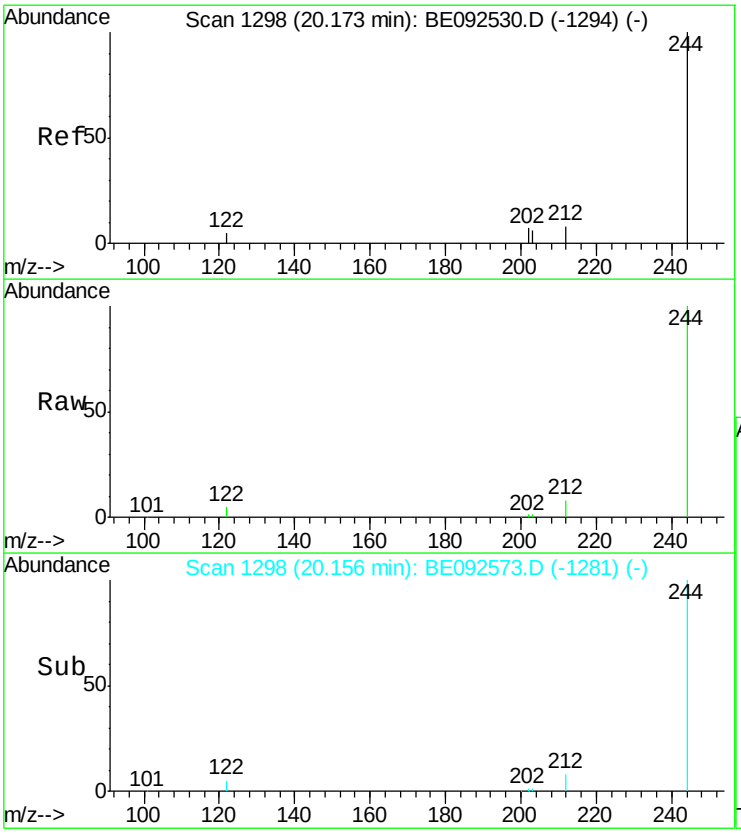
#25
Pyrene
Concen: 4.10 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:202 Resp: 214748

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.8	13.9	20.9

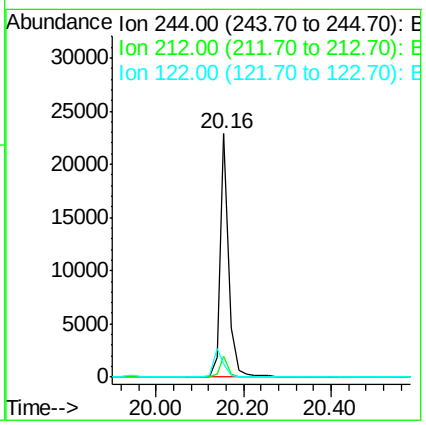


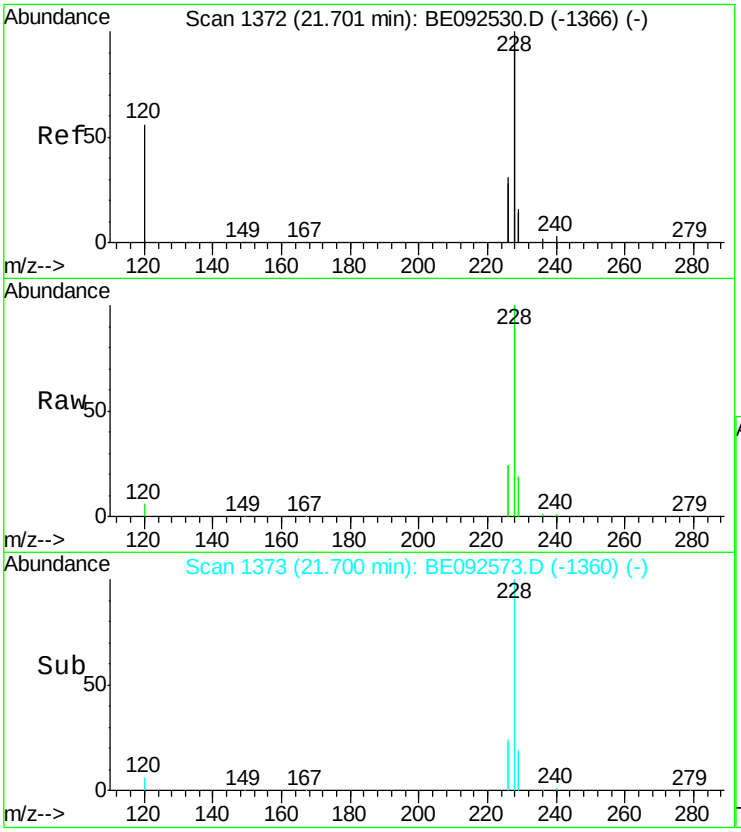


#26
Terphenyl-d14
Concen: 4.15 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:244 Resp: 31230

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.7	10.1
122	5.3	3.6	5.4



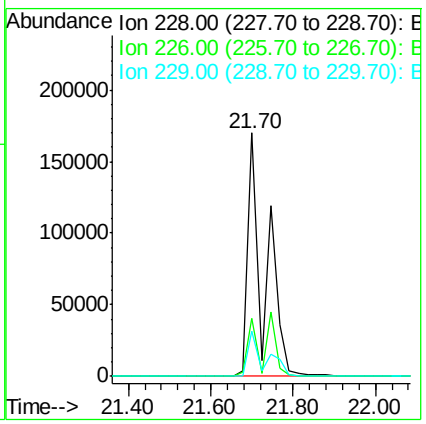


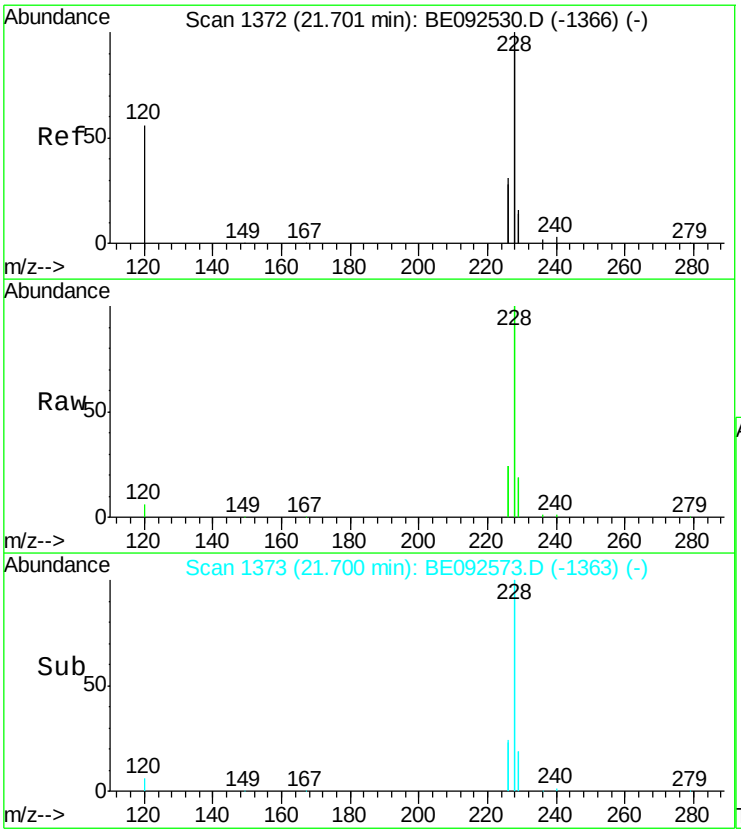
#27
Benzo(a)anthracene
Concen: 7.53 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:228 Resp: 472831

Ion	Ratio	Lower	Upper
228	100		
226	23.6	23.6	35.4#
229	18.7	13.3	19.9

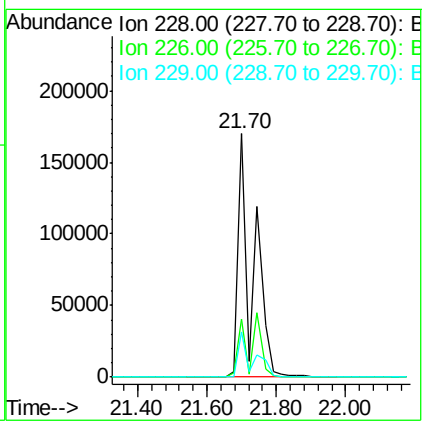


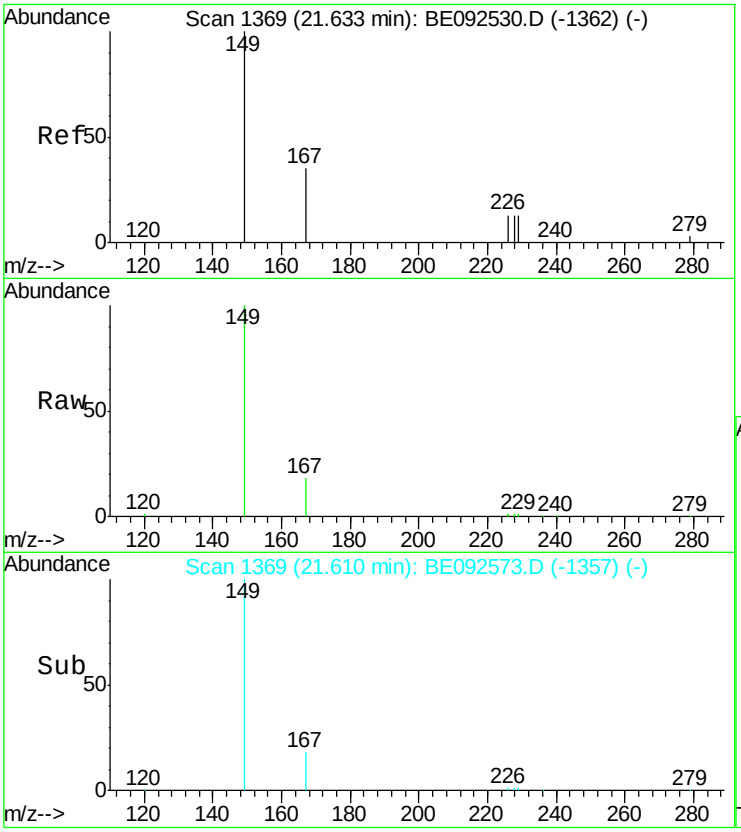


#28
Chrysene
Concen: 8.48 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.07 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:228 Resp: 474333

Ion	Ratio	Lower	Upper
228	100		
226	23.6	36.3	54.5#
229	18.7	10.6	16.0#



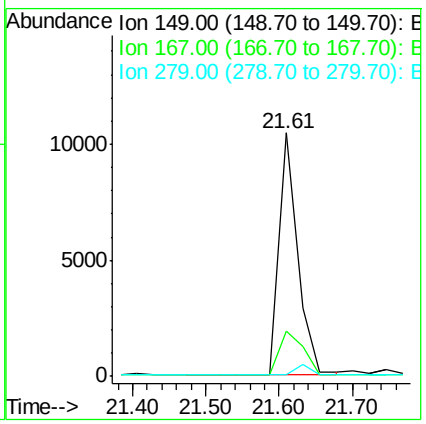


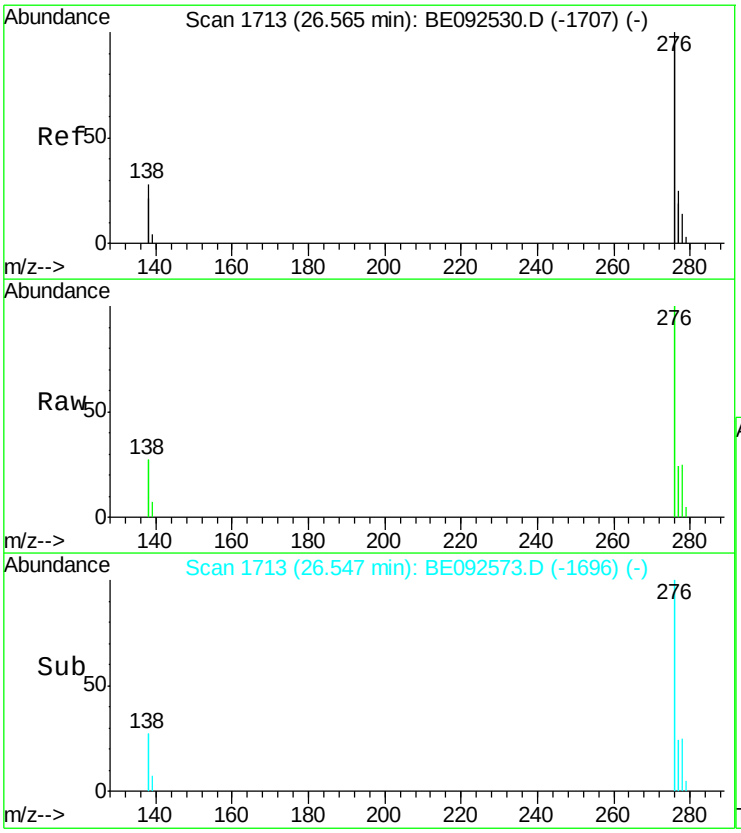
#29
Bis(2-ethylhexyl)phthalate
Concen: 4.30 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:149 Resp: 18294

Ion	Ratio	Lower	Upper
149	100		
167	23.6	16.0	24.0
279	0.0	16.0	24.0#

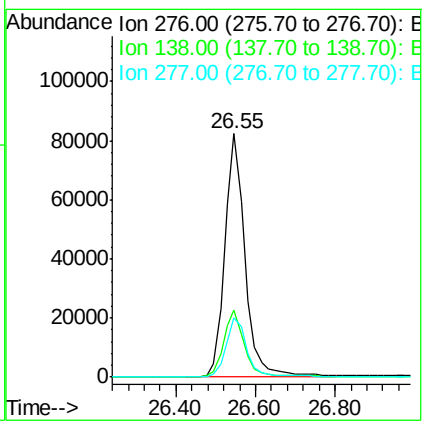


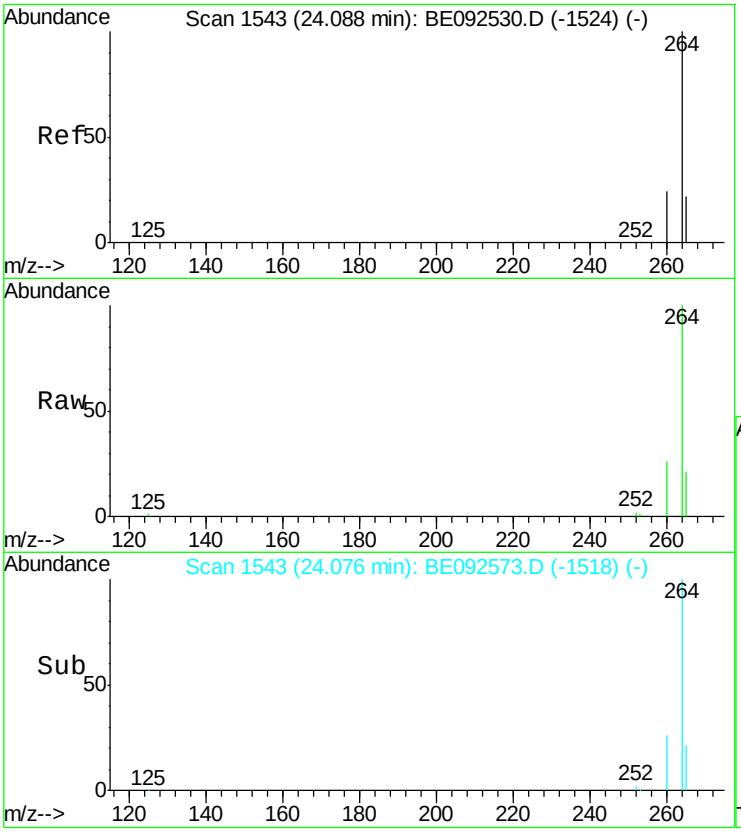


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.67 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:276 Resp: 285618

Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.3	30.5
277	24.8	19.7	29.5



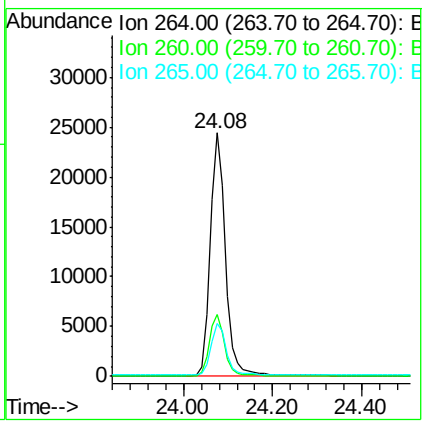


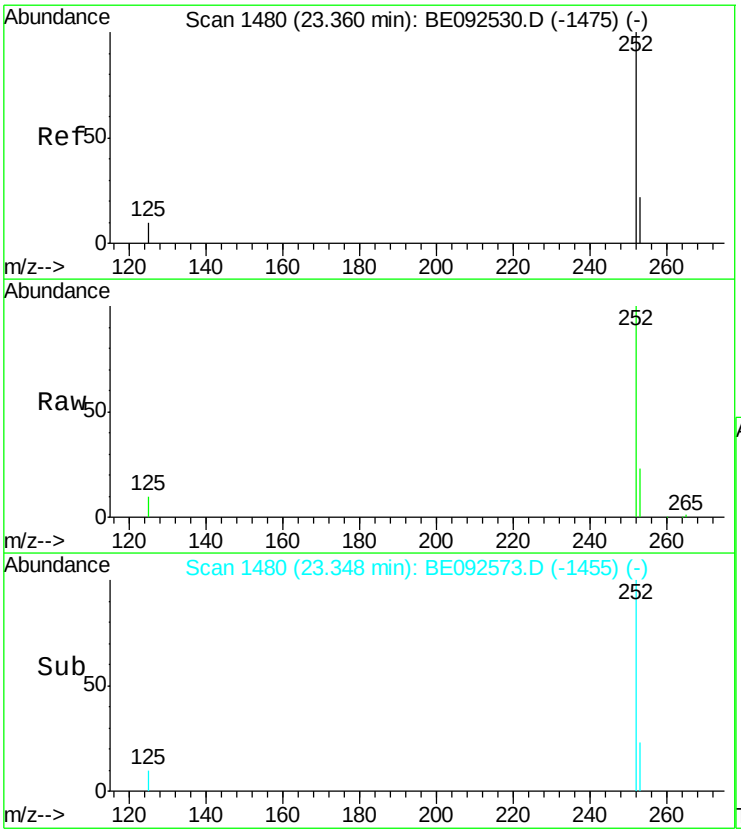
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:264 Resp: 58114

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	21.5	17.9	26.9

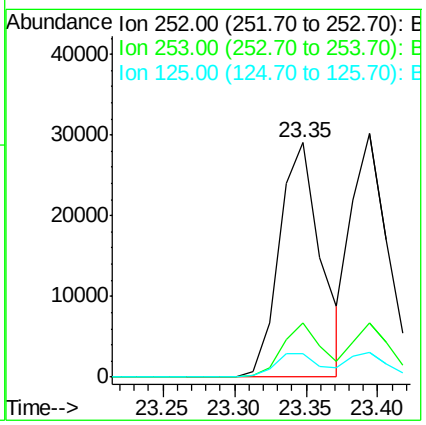


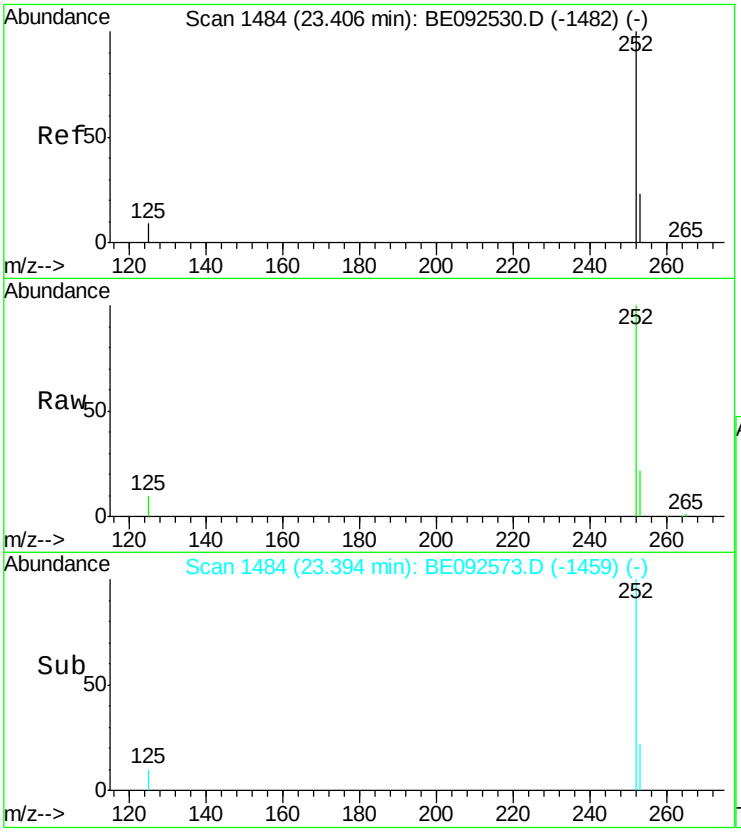


#32
Benzo(b)fluoranthene
Concen: 4.12 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:252 Resp: 58134

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	10.2	10.5	15.7#



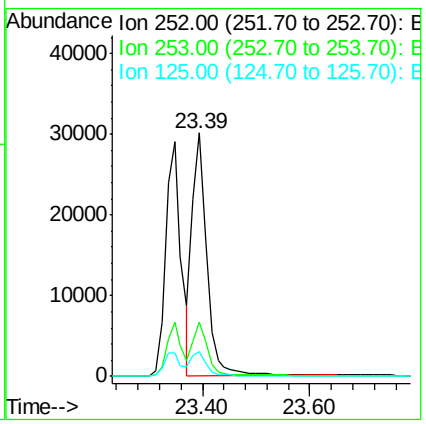


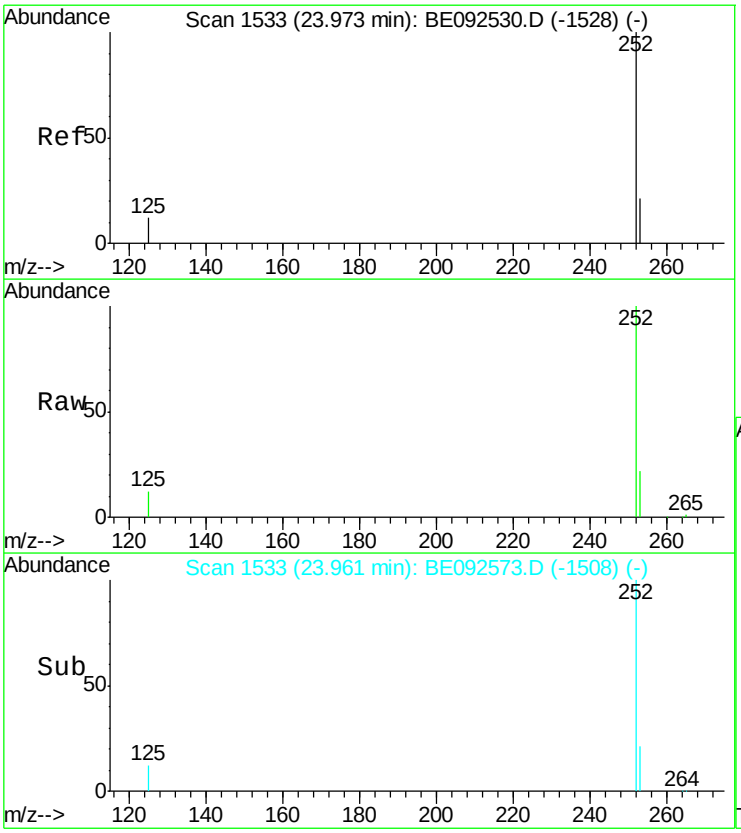
#33
Benzo(k)fluoranthene
Concen: 3.77 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:252 Resp: 55668

Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.3	30.5
125	10.4	9.6	14.4

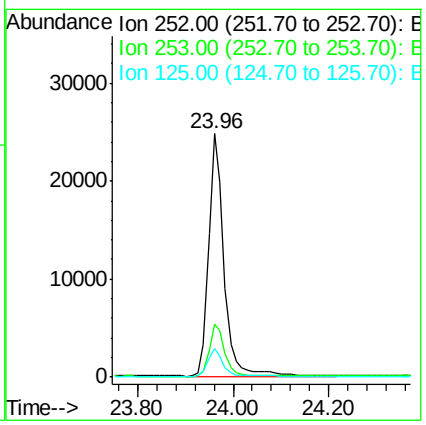


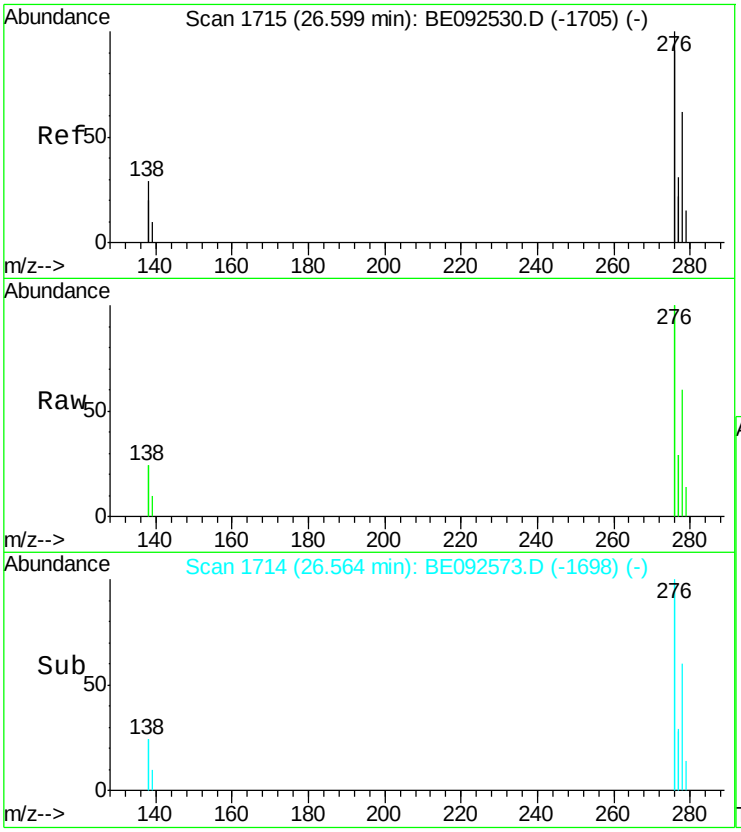


#34
Benzo(a)pyrene
Concen: 4.31 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:252 Resp: 56161

Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.0	28.6
125	11.8	11.8	17.8#



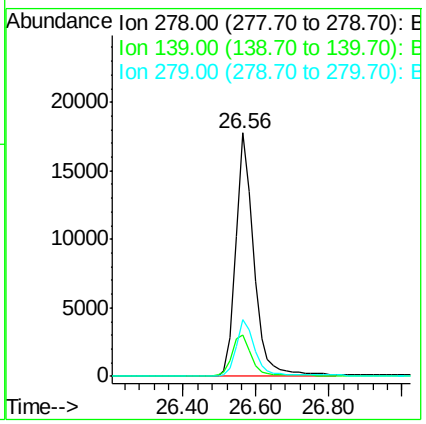


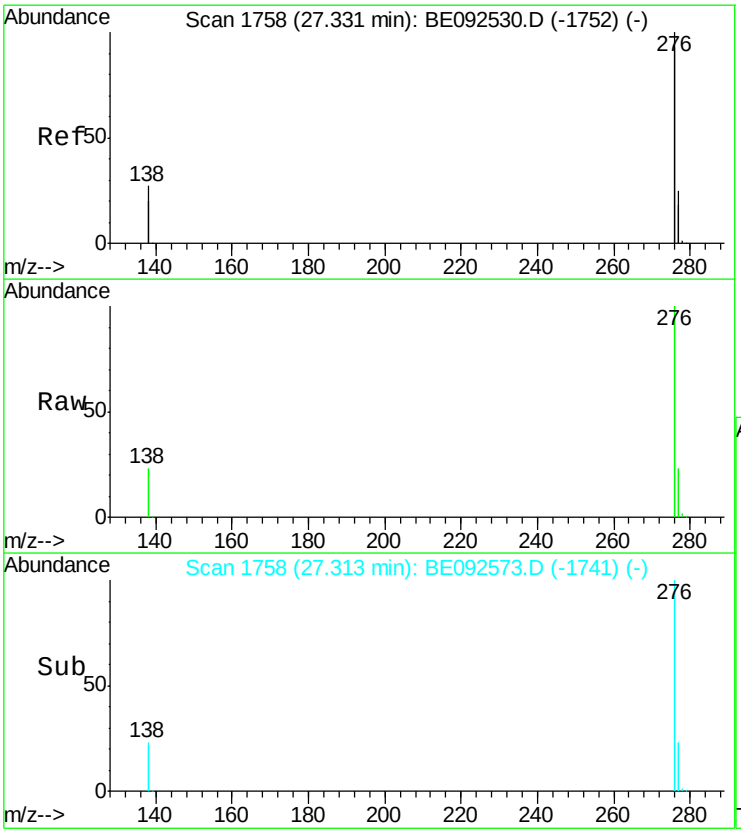
#35
Dibenzo(a,h)anthracene
Concen: 4.62 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.04 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Instrument :
BNA_E
ClientSampleId :
PB94794BS

Tgt Ion:278 Resp: 59609

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.8	20.8
279	23.5	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 4.56 ng
RT: 27.31 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092573.D
Acq: 23 Nov 2016 11:01

Tgt Ion:276 Resp: 249425

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.8
138	22.7	19.8	29.6