Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
Data File : BE092550.D
Acq On : 17 Nov 2016 1:19
Operator : UM/SJ
Sample : H5636-11MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : C19023041MSD

Quant Time: Nov 17 04:54:05 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	8229	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	41438	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	31896	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	59098	5.00	ng		0.00
24) Chrysene-d12	21.72	240	89497	5.00	ng		0.00
31) Perylene-d12	24.08	264	74871	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	8539	6.14	ng		-0.02
5) Phenol-d6	7.31	99	7991	3.51	ng		-0.05
8) Nitrobenzene-d5	9.32	82	14060	5.22	ng		-0.05
13) 2,4,6-Tribromophenol	16.28	330	10962	15.32	ng		-0.02
14) 2-Fluorobiphenyl	13.41	172	36280	4.67	ng		-0.02
26) Terphenyl-d14	20.16	244	61376	6.00	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	1582	1.56	ng	#	75
3) n-Nitrosodimethylamine	3.74	42	2525	1.95	ng	#	95
6) bis(2-Chloroethyl)ether	7.57	93	11583	4.62	ng		86
9) Naphthalene	10.97	128	124657	14.58	ng		96
10) Hexachlorobutadiene	11.26	225	5145	3.96	ng		99
11) 2-Methylnaphthalene	12.82	142	236880	43.44	ng		97
15) Acenaphthylene	14.51	152	236337	5.32	ng	#	78
16) Acenaphthene	14.85	154	48349	6.67	ng		81
17) Fluorene	15.84	166	84929	9.46	ng		98
19) Hexachlorobenzene	16.87	284	13138	5.63	ng	#	64
20) Pentachlorophenol	17.21	266	16233	10.97	ng	#	85
21) Phenanthrene	17.58	178	141433	10.70	ng	#	95
22) Anthracene	17.67	178	84036	6.75	ng		98
23) Fluoranthene	19.58	202	376299	6.10	ng		99
25) Pyrene	19.95	202	385078	5.41	ng		98
27) Benzo(a)anthracene	21.70	228	876390	10.23	ng	#	88
28) Chrysene	21.70	228	878204	11.55	ng	#	69
29) Bis(2-ethylhexyl)phthalate	21.61	149	60489	10.29	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.55	276	426605	5.13	ng		98
32) Benzo(b)fluoranthene	23.35	252	105525	5.81	ng	#	96
33) Benzo(k)fluoranthene	23.39	252	89512	4.71	ng		95
34) Benzo(a)pyrene	23.96	252	94066	5.60	ng	#	94
35) Dibenzo(a,h)anthracene	26.56	278	88692	5.33	ng		96
36) Benzo(g,h,i)perylene	27.31	276	362307	5.15	ng		97

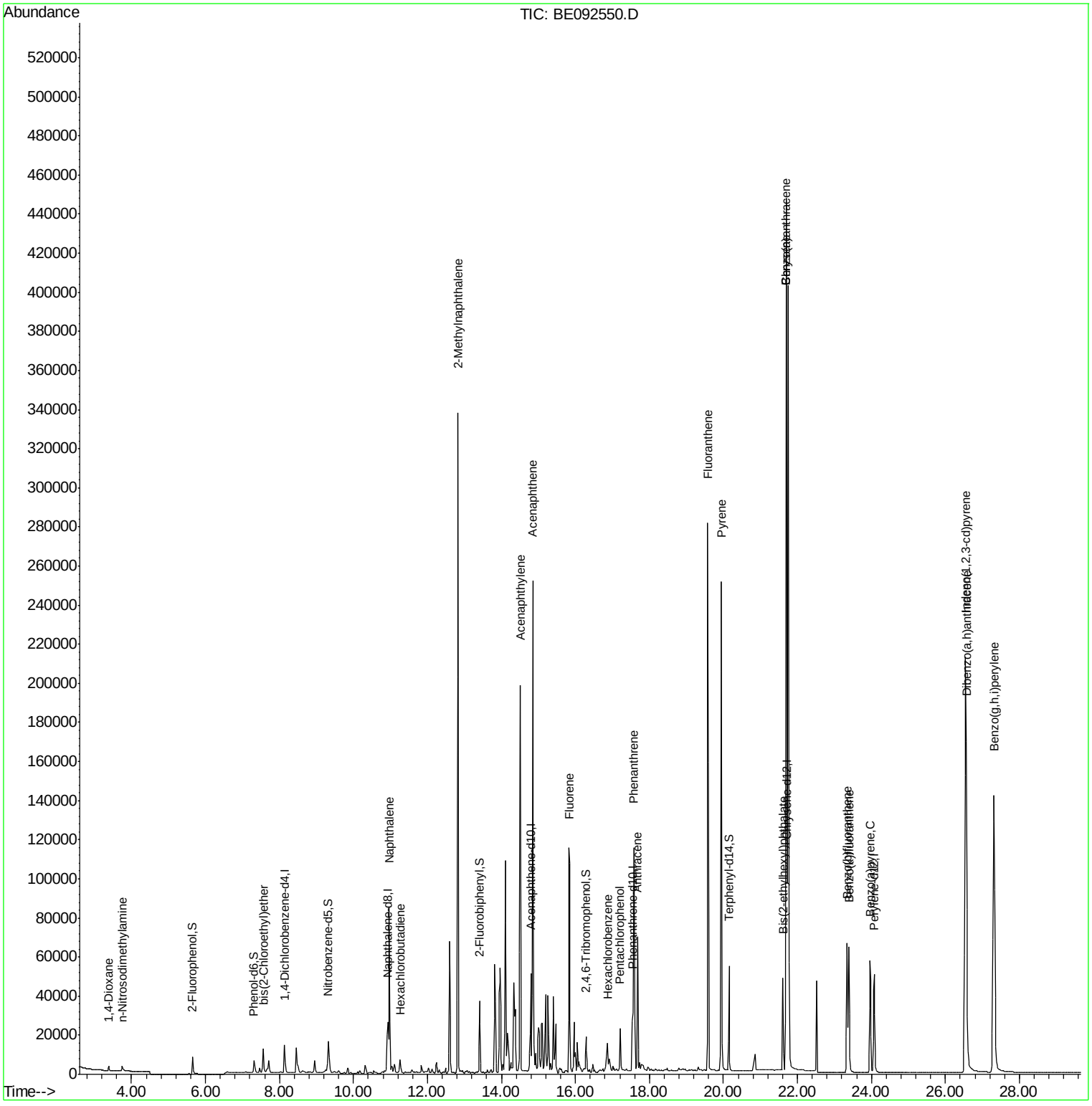
(#) = qualifier out of range (m) = manual integration (+) = signals summed

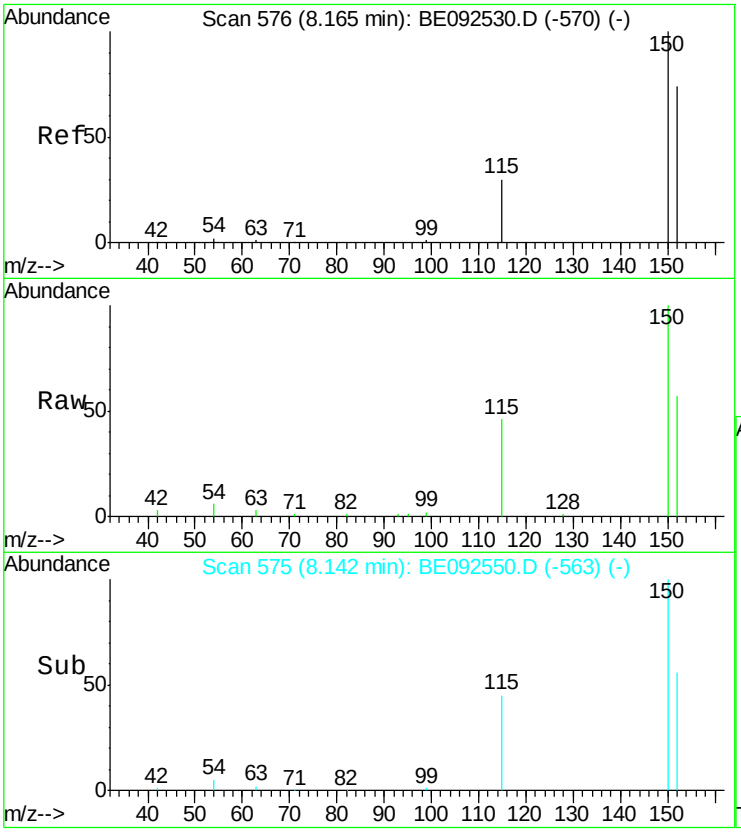
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
Data File : BE092550.D
Acq On : 17 Nov 2016 1:19
Operator : UM/SJ
Sample : H5636-11MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Quant Time: Nov 17 04:54:05 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



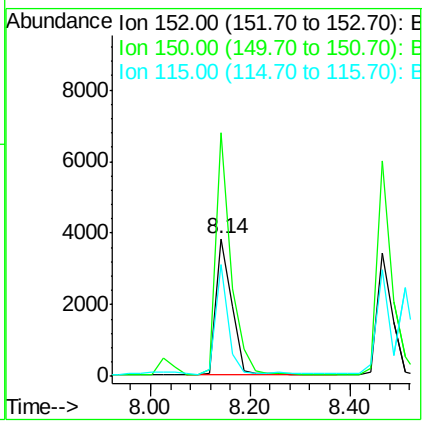


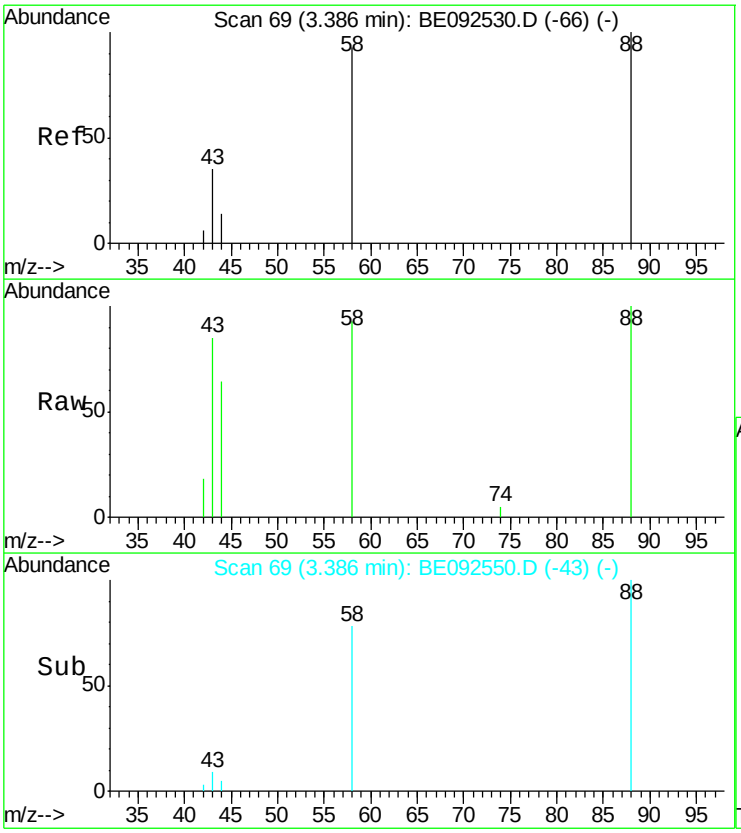
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:152 Resp: 8229

Ion	Ratio	Lower	Upper
152	100		
150	176.6	106.0	159.0#
115	81.1	31.2	46.8#

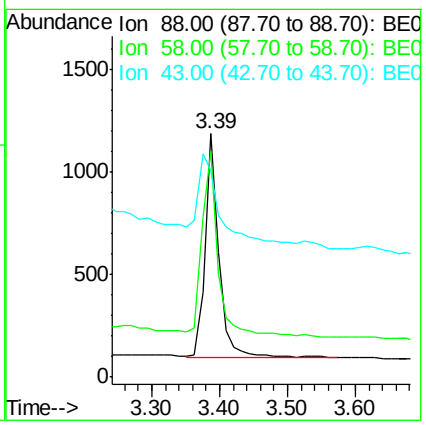


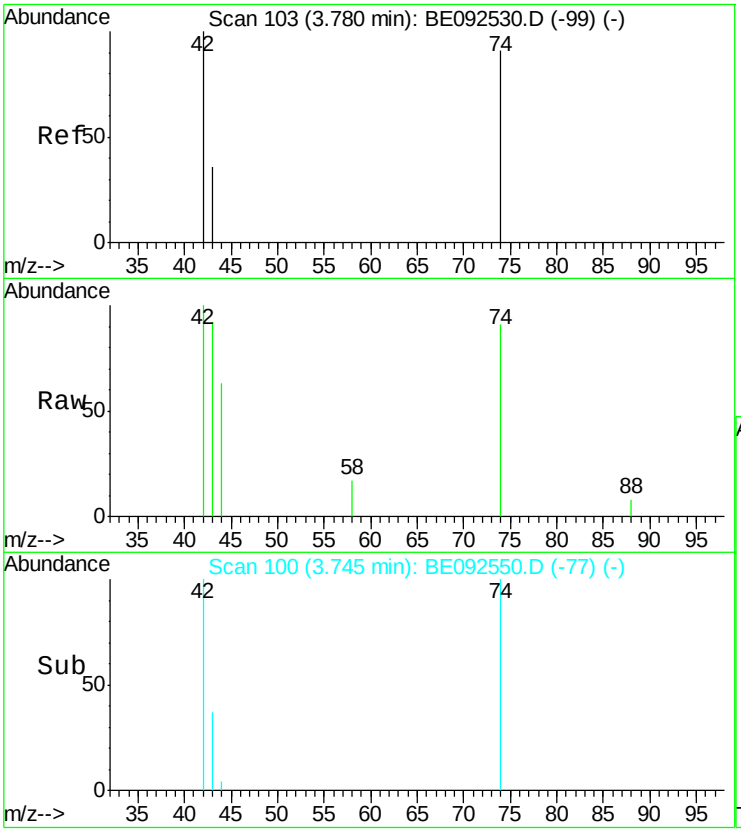


#2
1,4-Dioxane
Concen: 1.56 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion: 88 Resp: 1582

Ion	Ratio	Lower	Upper
88	100		
58	96.5	63.6	95.4#
43	57.0	28.0	42.0#



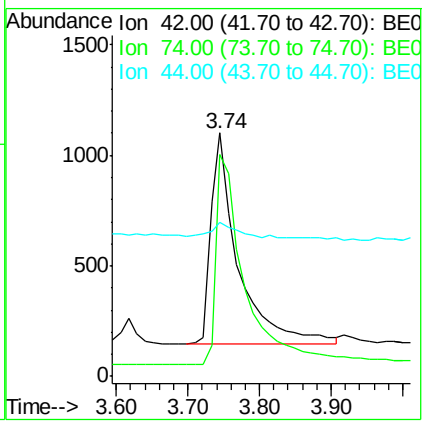


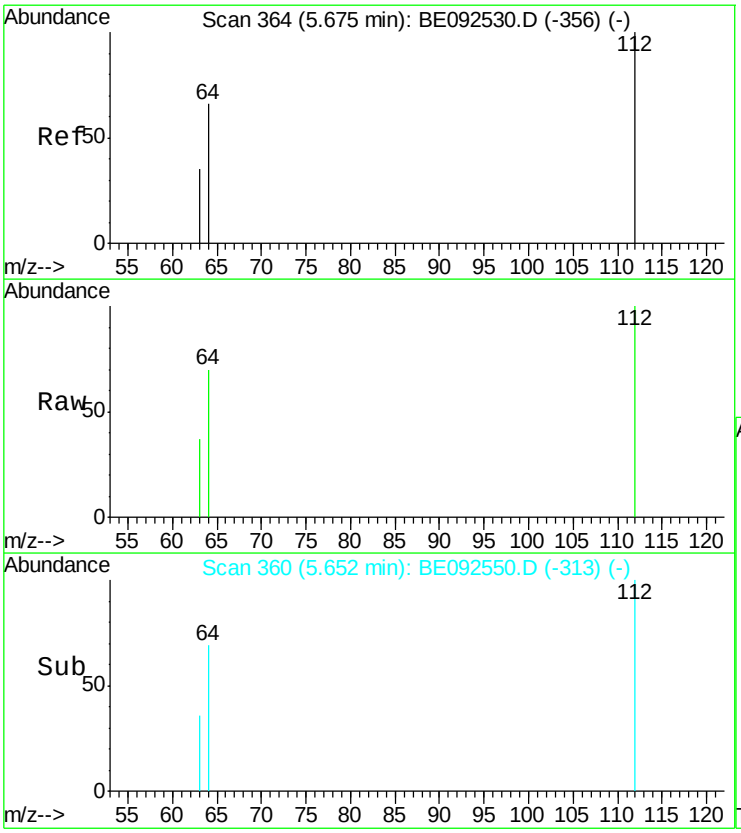
#3
n-Nitrosodimethylamine
Concen: 1.95 ng
RT: 3.74 min Scan# 100
Delta R.T. -0.03 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion: 42 Resp: 2525

Ion	Ratio	Lower	Upper
42	100		
74	111.6	86.0	129.0
44	13.3	5.1	7.7#

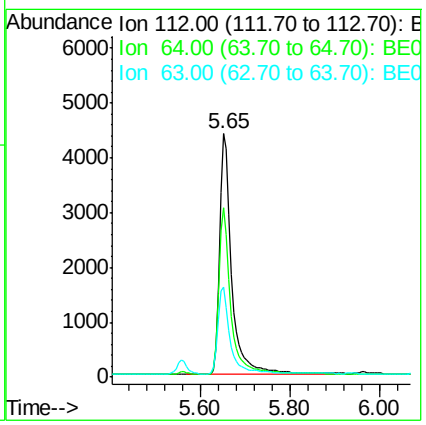


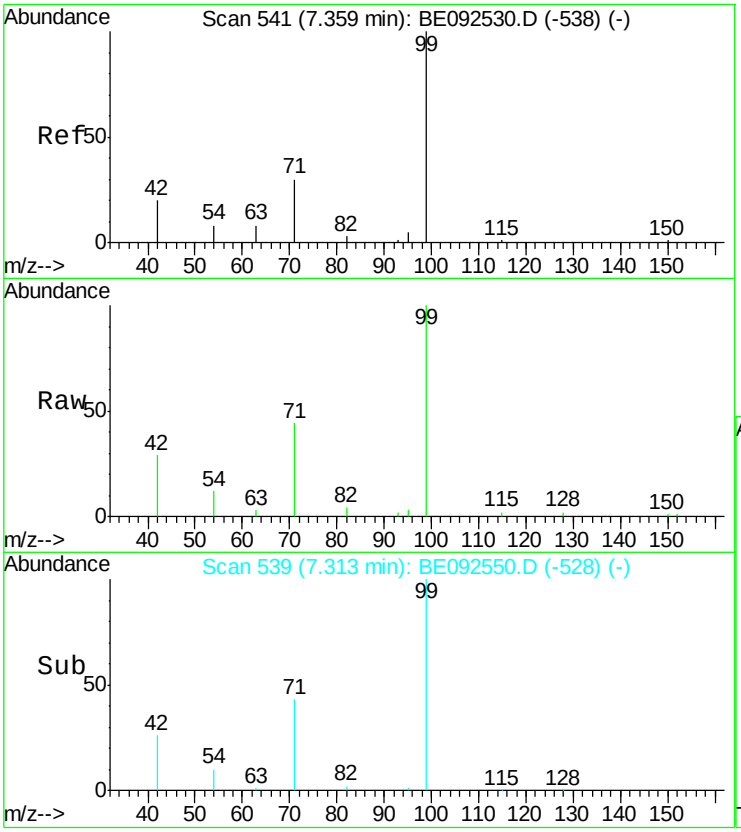


#4
2-Fluorophenol
Concen: 6.14 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:112 Resp: 8539

Ion	Ratio	Lower	Upper
112	100		
64	68.3	53.5	80.3
63	35.6	27.9	41.9



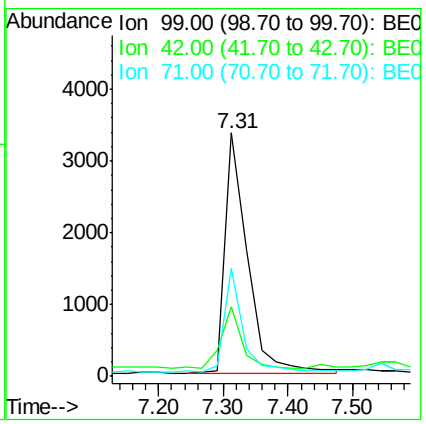


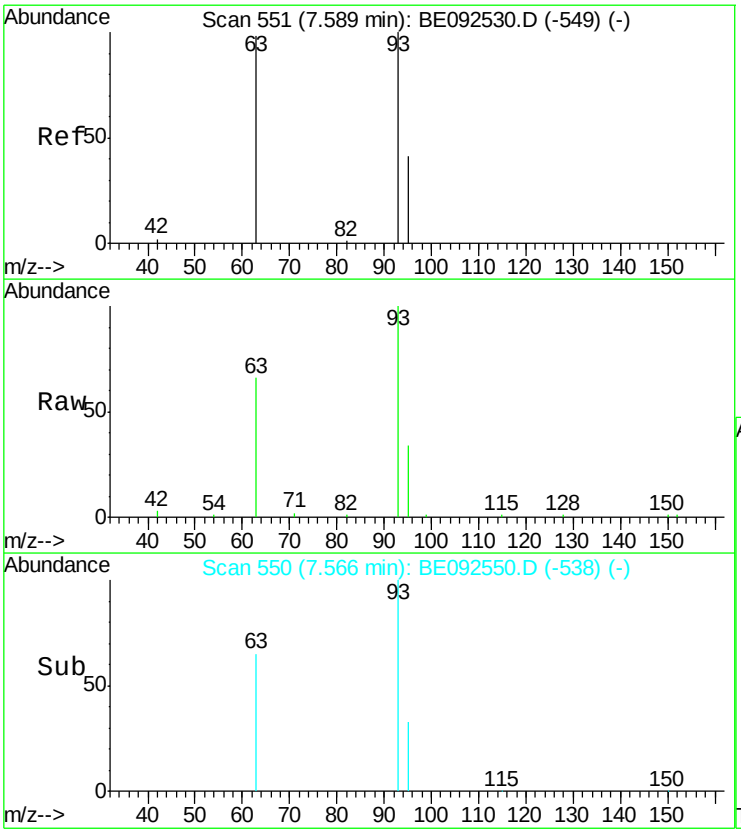
#5
Phenol-d6
Concen: 3.51 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.05 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion: 99 Resp: 7991

Ion	Ratio	Lower	Upper
99	100		
42	23.9	16.0	24.0
71	35.9	30.6	45.8

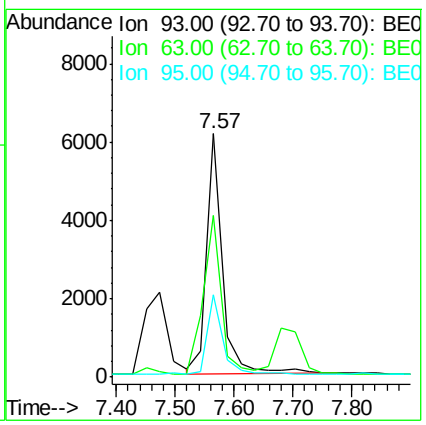


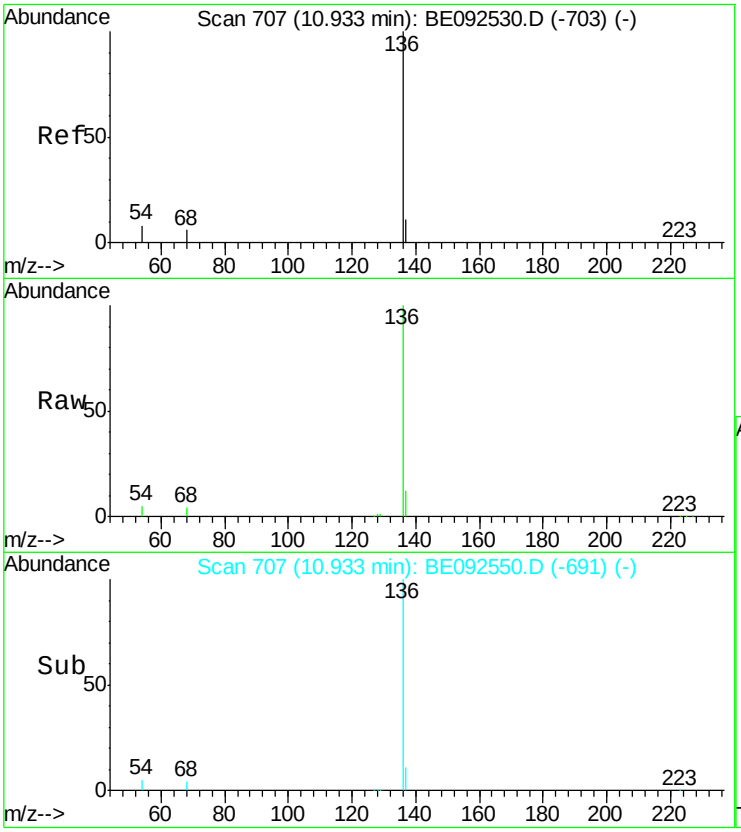


#6
bis(2-Chloroethyl)ether
Concen: 4.62 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion: 93 Resp: 11583

Ion	Ratio	Lower	Upper
93	100		
63	73.9	71.6	107.4
95	33.3	24.0	36.0



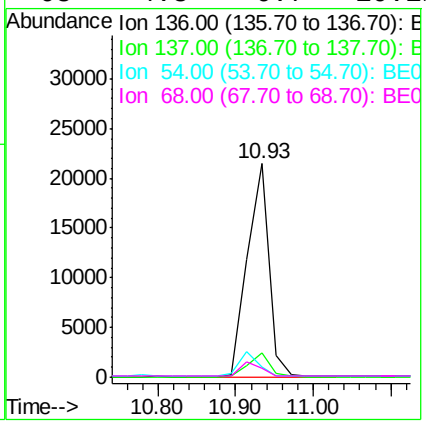


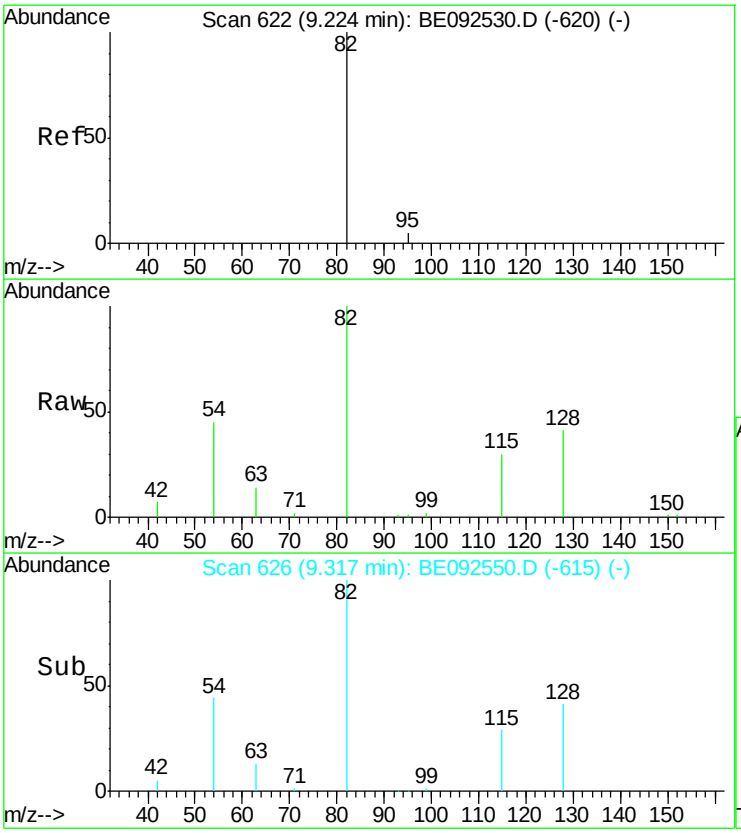
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:136 Resp: 41438

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.2	12.4
54	5.0	9.6	14.4#
68	4.3	6.7	10.1#

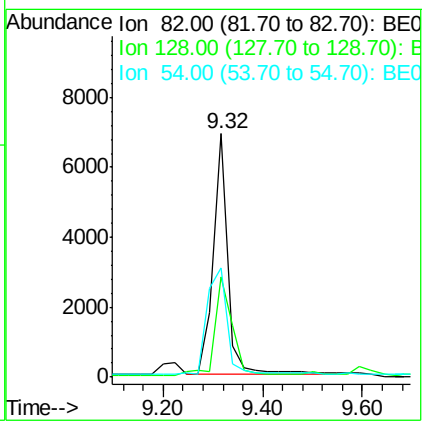


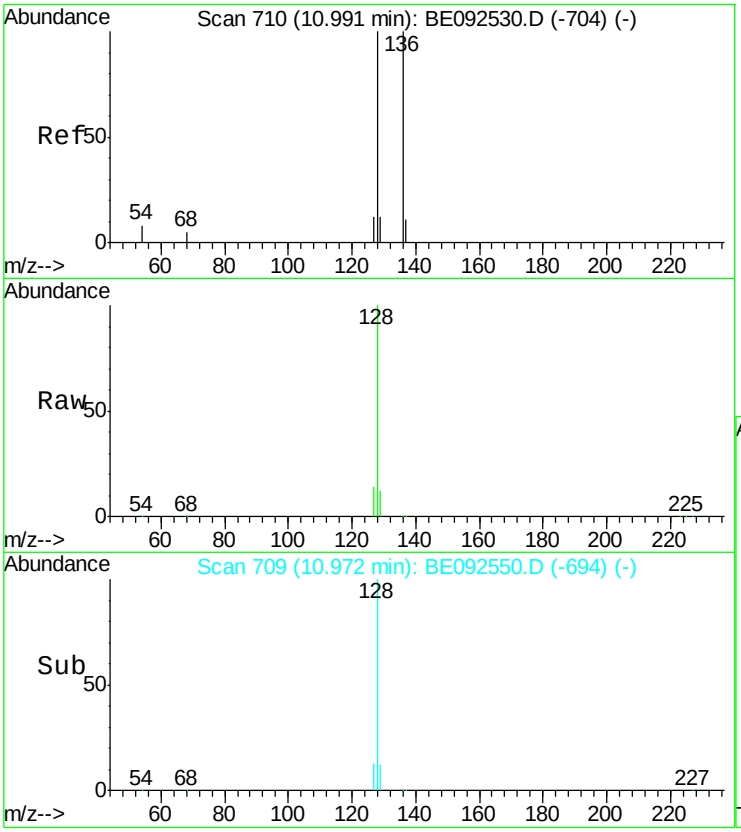


#8
Nitrobenzene-d5
Concen: 5.22 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion: 82 Resp: 14060

Ion	Ratio	Lower	Upper
82	100		
128	41.2	39.0	58.4
54	44.6	44.8	67.2#



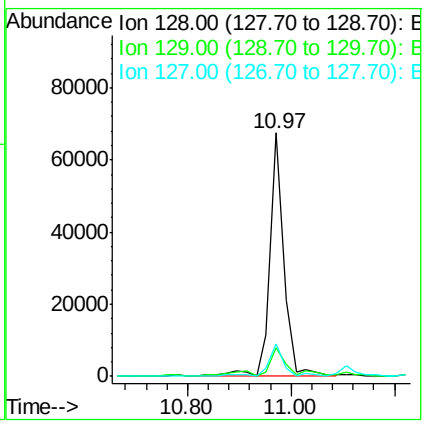


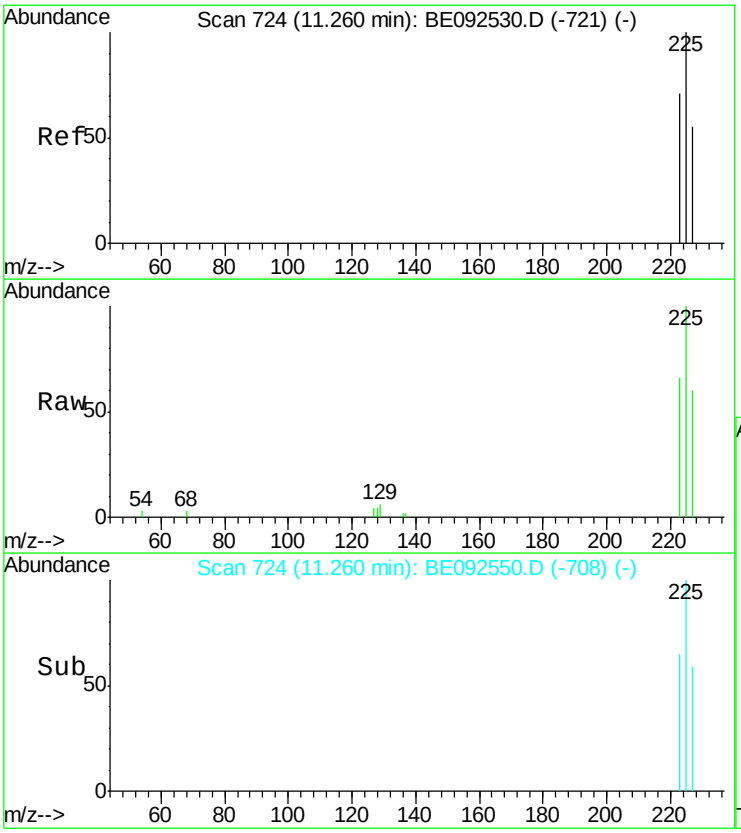
#9
Naphthalene
Concen: 14.58 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:128 Resp: 124657

Ion	Ratio	Lower	Upper
128	100		
129	12.0	11.2	16.8
127	13.5	11.6	17.4

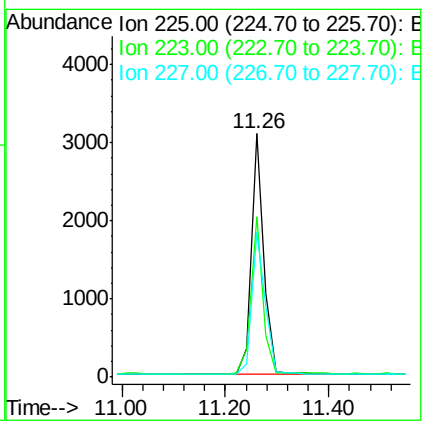


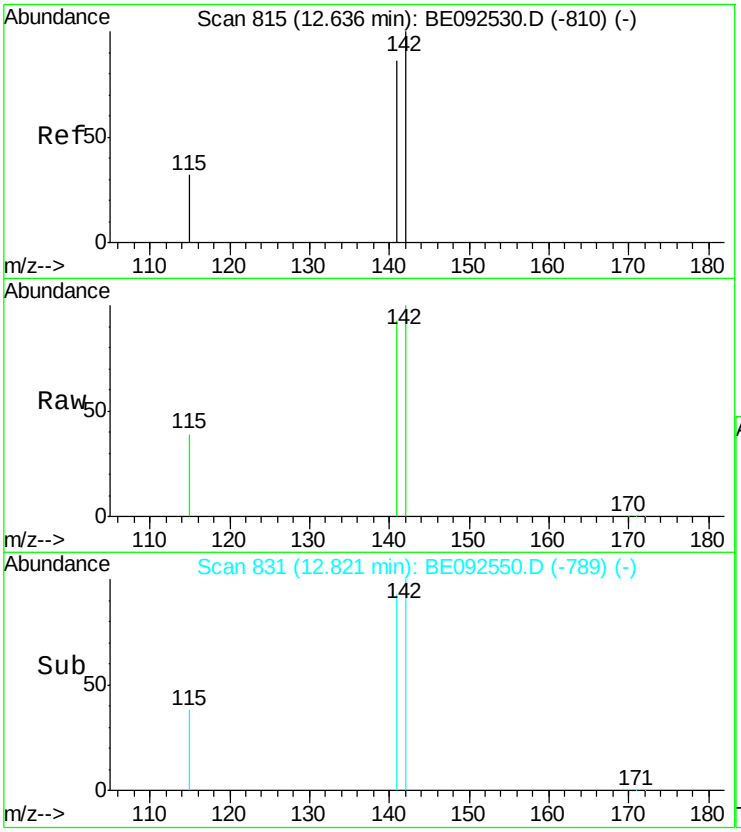


#10
Hexachlorobutadiene
Concen: 3.96 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:225 Resp: 5145

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	76.0
227	63.6	51.4	77.0



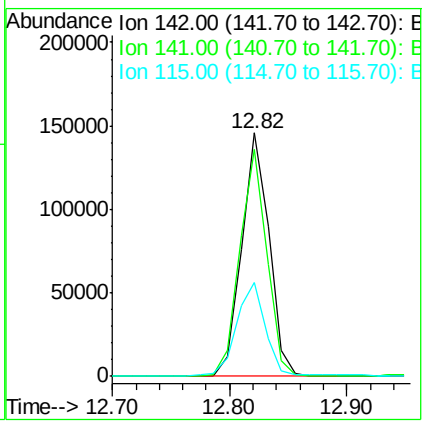


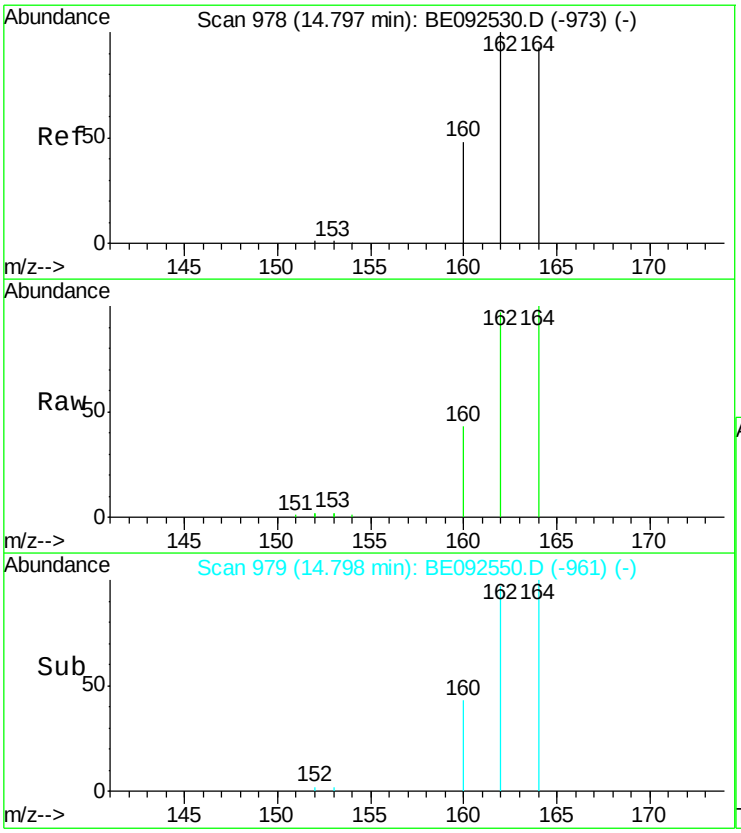
#11
2-Methylnaphthalene
Concen: 43.44 ng
RT: 12.82 min Scan# 831
Delta R.T. 0.18 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:142 Resp: 236880

Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.7	110.5
115	38.6	34.0	51.0

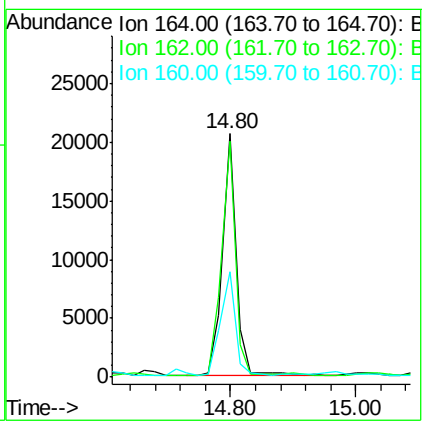


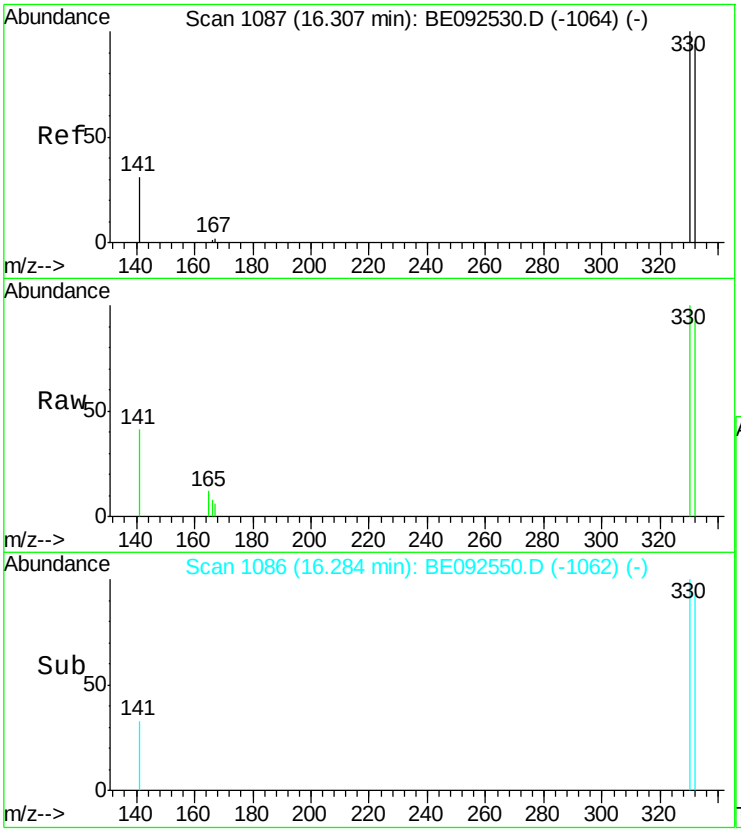


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:164 Resp: 31896

Ion	Ratio	Lower	Upper
164	100		
162	97.1	71.4	107.0
160	43.1	27.4	41.2#



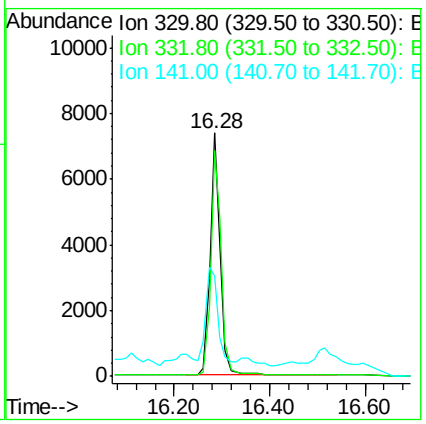


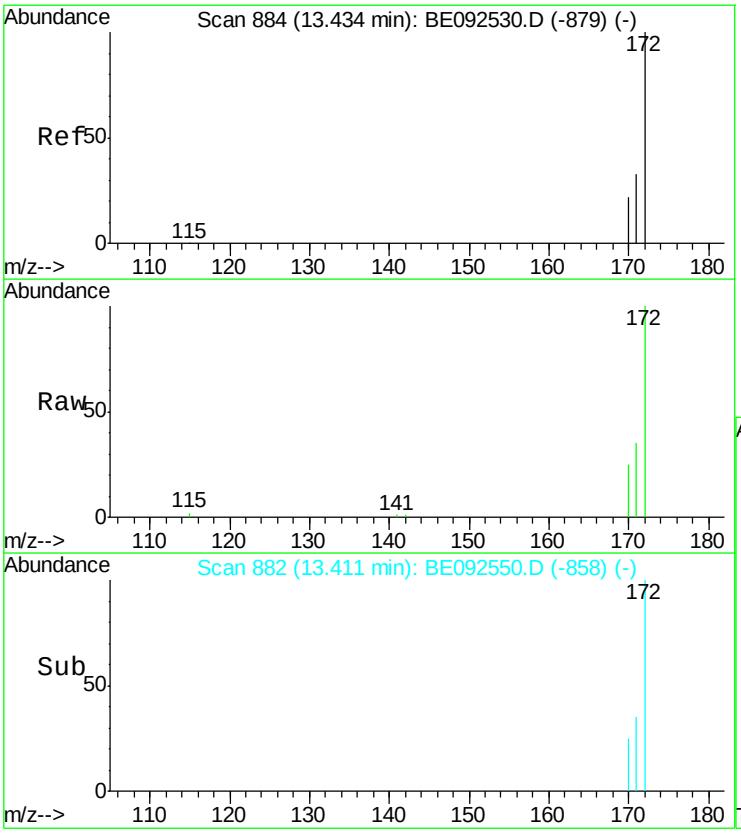
#13
2,4,6-Tribromophenol
Concen: 15.32 ng
RT: 16.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:330 Resp: 10962

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.0
141	44.7	31.0	46.6

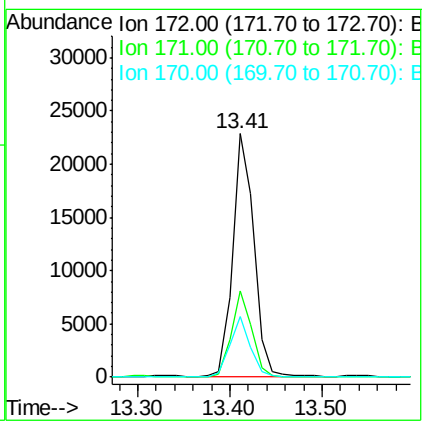


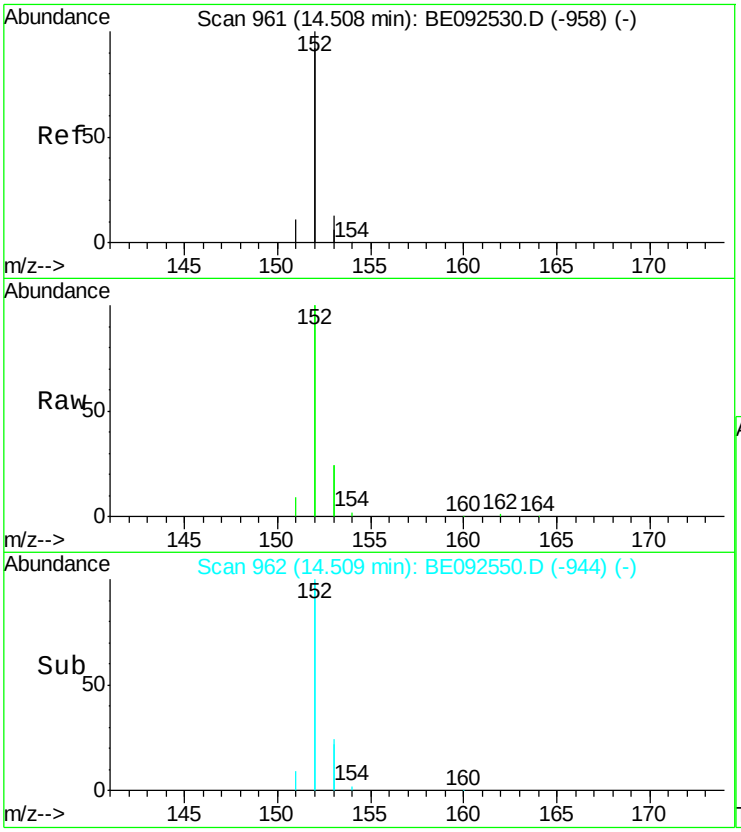


#14
2-Fluorobiphenyl
Concen: 4.67 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:172 Resp: 36280

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.1	45.1
170	24.8	21.8	32.6



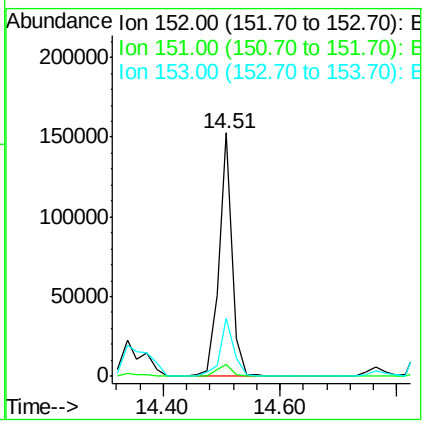


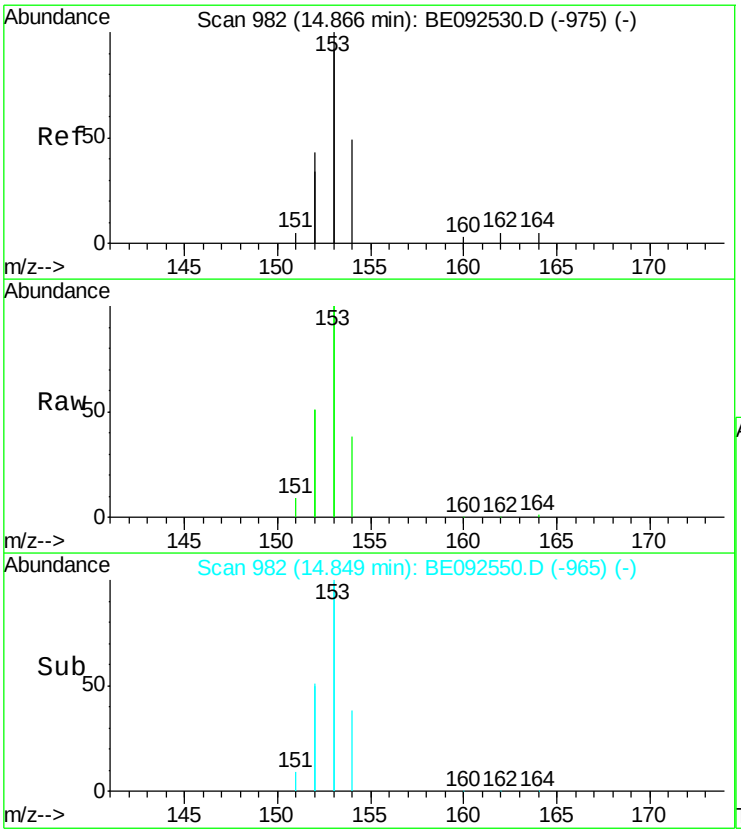
#15
Acenaphthylene
Concen: 5.32 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:152 Resp: 236337

Ion	Ratio	Lower	Upper
152	100		
151	5.2	3.9	5.9
153	24.7	10.4	15.6#

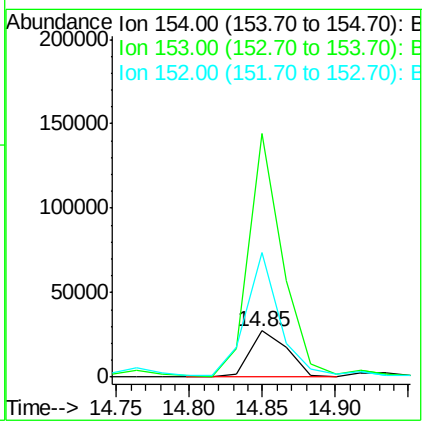


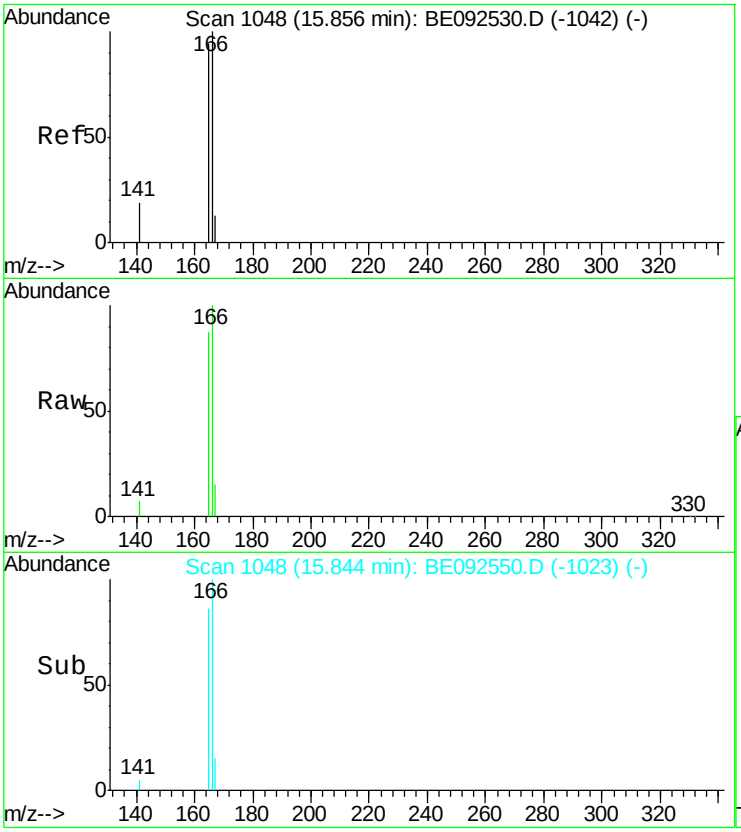


#16
Acenaphthene
Concen: 6.67 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:154 Resp: 48349

Ion	Ratio	Lower	Upper
154	100		
153	483.3	350.8	526.2
152	248.4	171.1	256.7



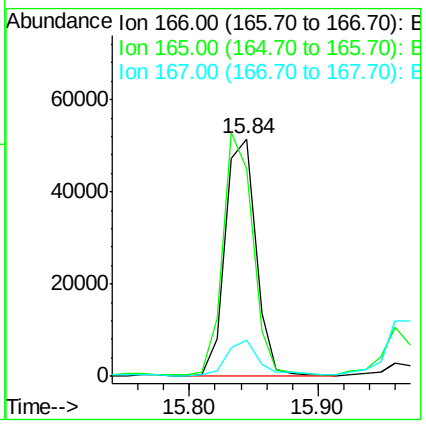


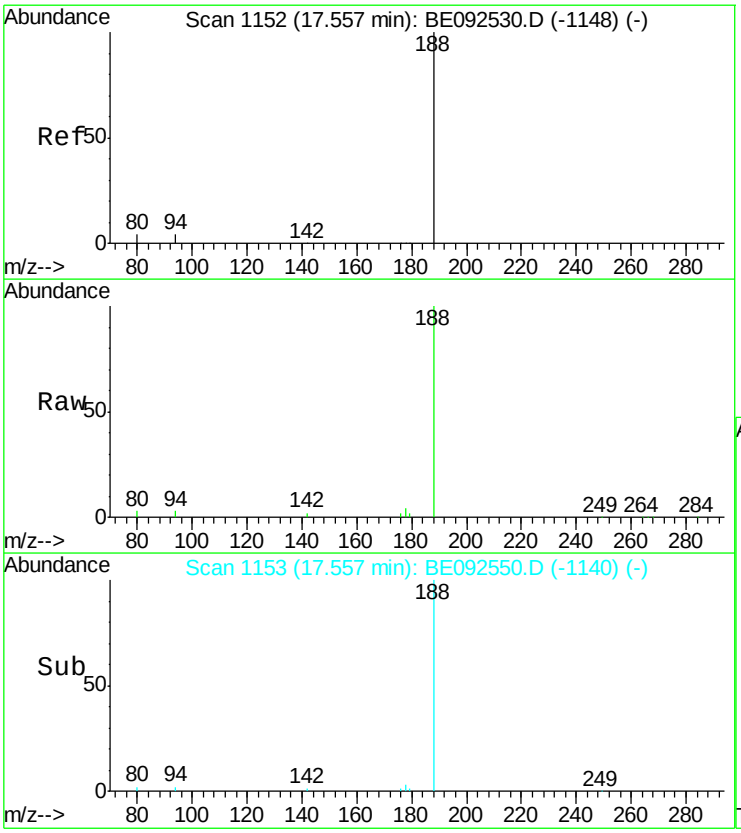
#17
Fluorene
Concen: 9.46 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:166 Resp: 84929

Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.2	117.4
167	16.1	11.0	16.4

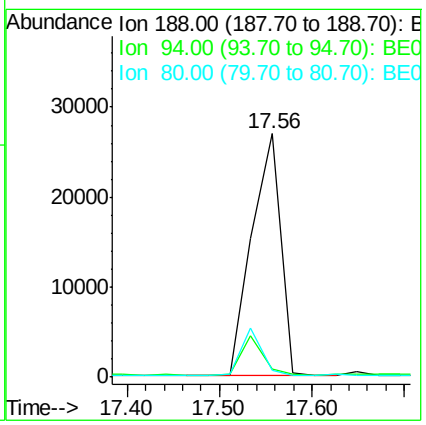


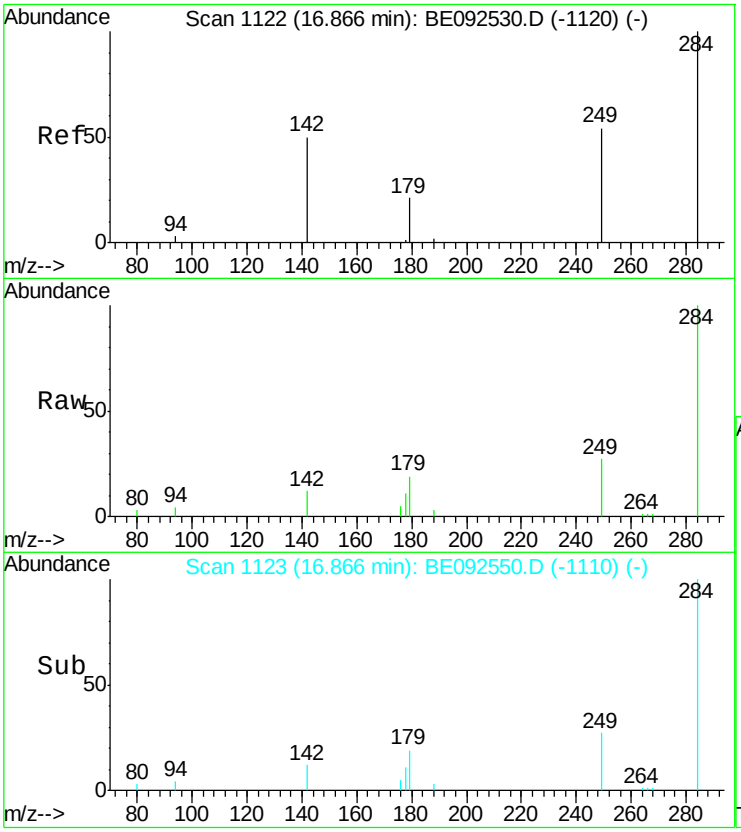


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:188 Resp: 59098

Ion	Ratio	Lower	Upper
188	100		
94	3.3	3.2	4.8
80	2.6	2.6	3.8



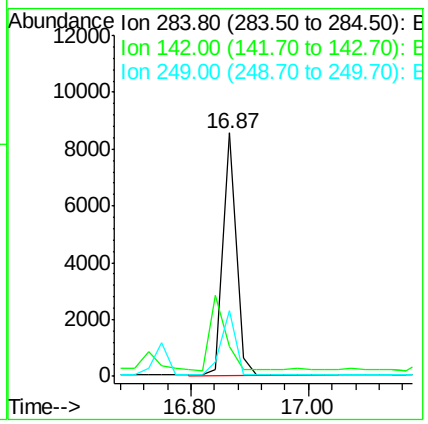


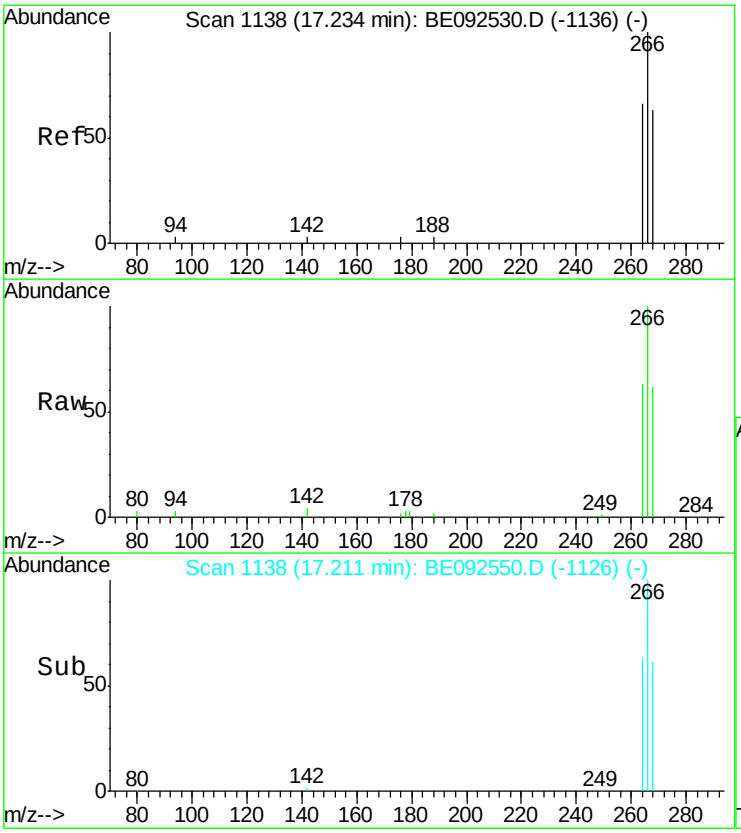
#19
Hexachlorobenzene
Concen: 5.63 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:284 Resp: 13138

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.8	27.9	41.9

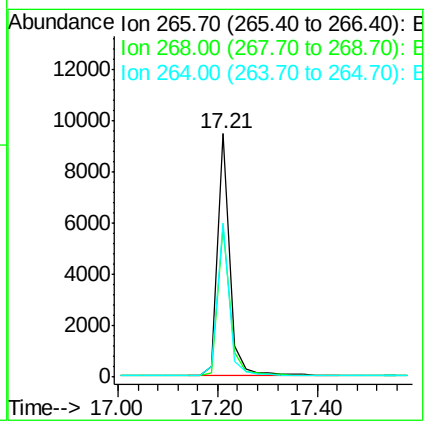


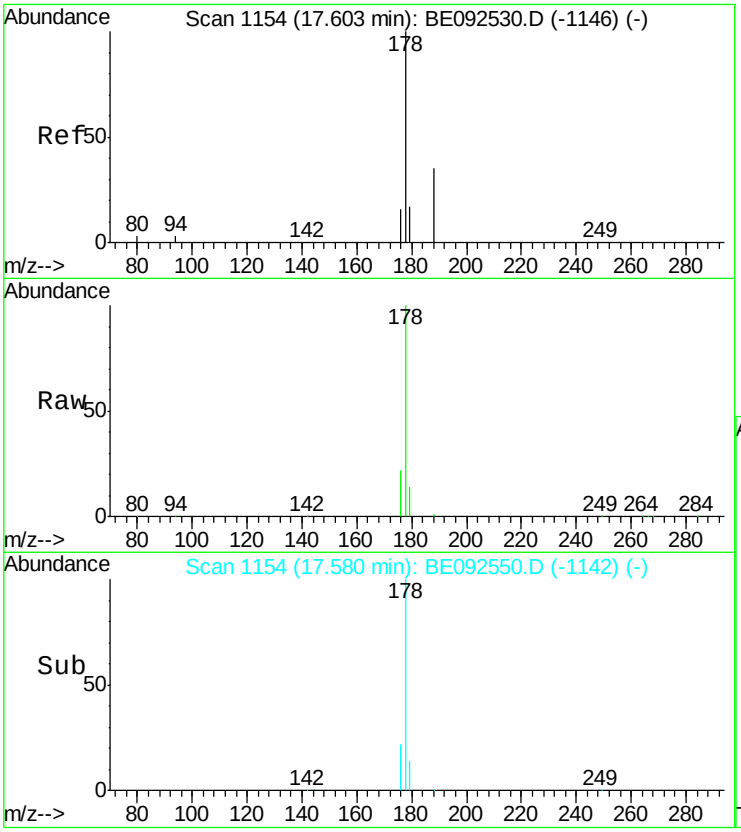


#20
Pentachlorophenol
Concen: 10.97 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:266 Resp: 16233

Ion	Ratio	Lower	Upper
266	100		
268	61.6	62.5	93.7#
264	63.4	57.2	85.8



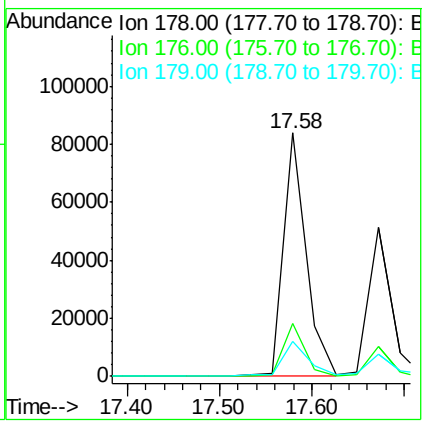


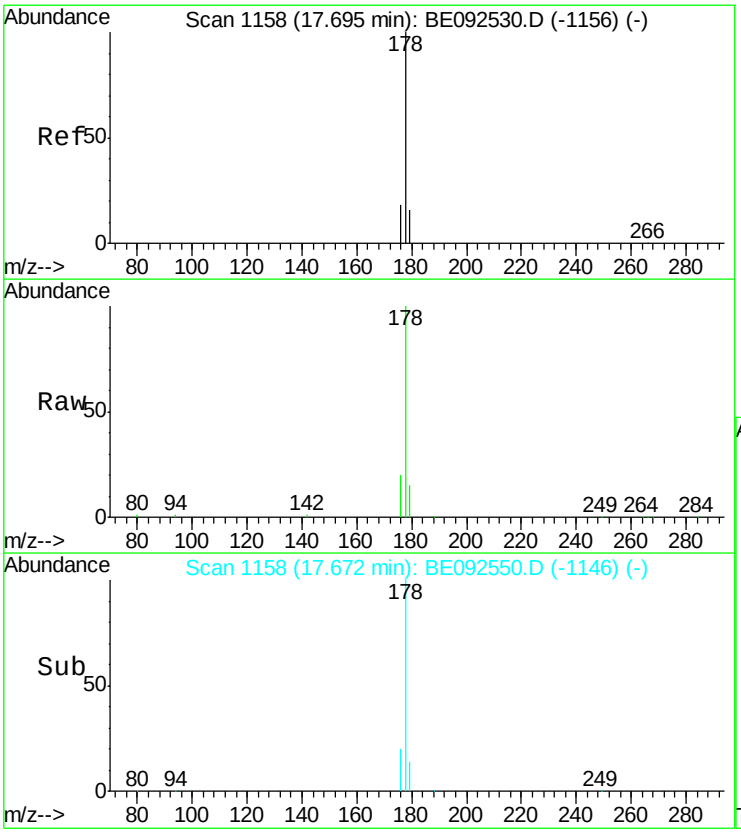
#21
Phenanthrene
Concen: 10.70 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:178 Resp: 141433

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.9	16.0	24.0#

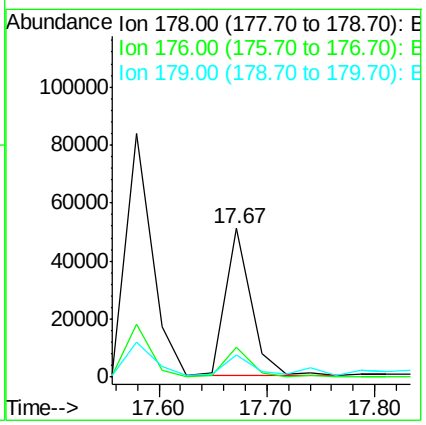


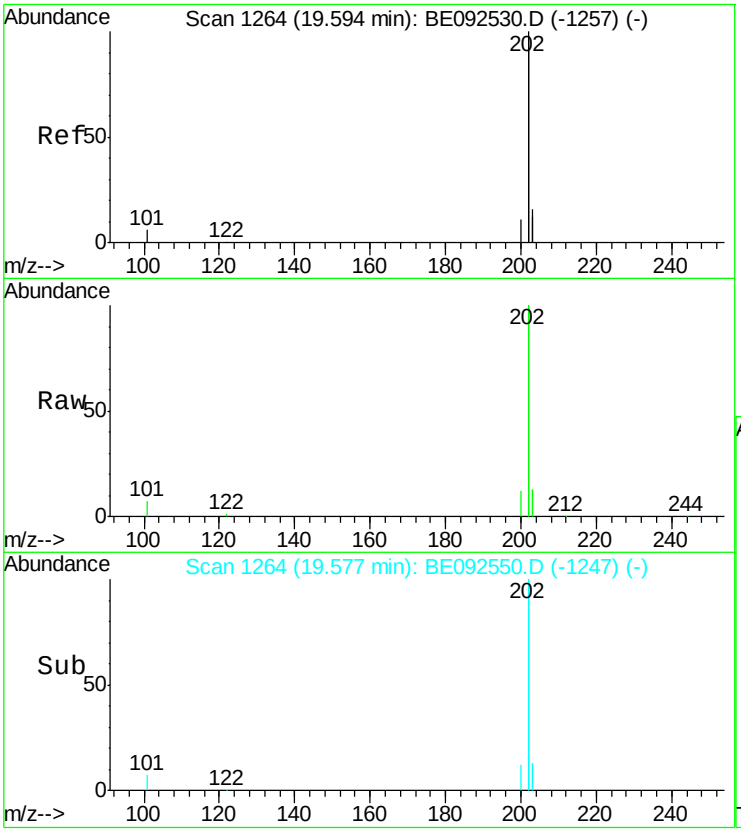


#22
Anthracene
Concen: 6.75 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:178 Resp: 84036

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	16.3	12.2	18.2



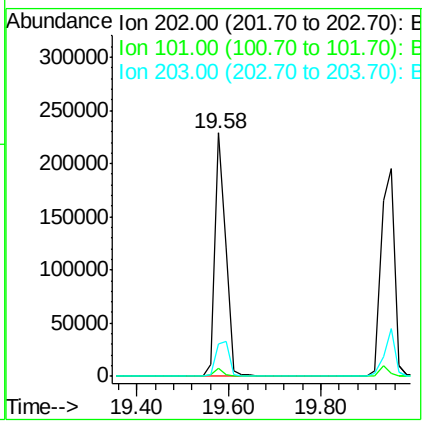


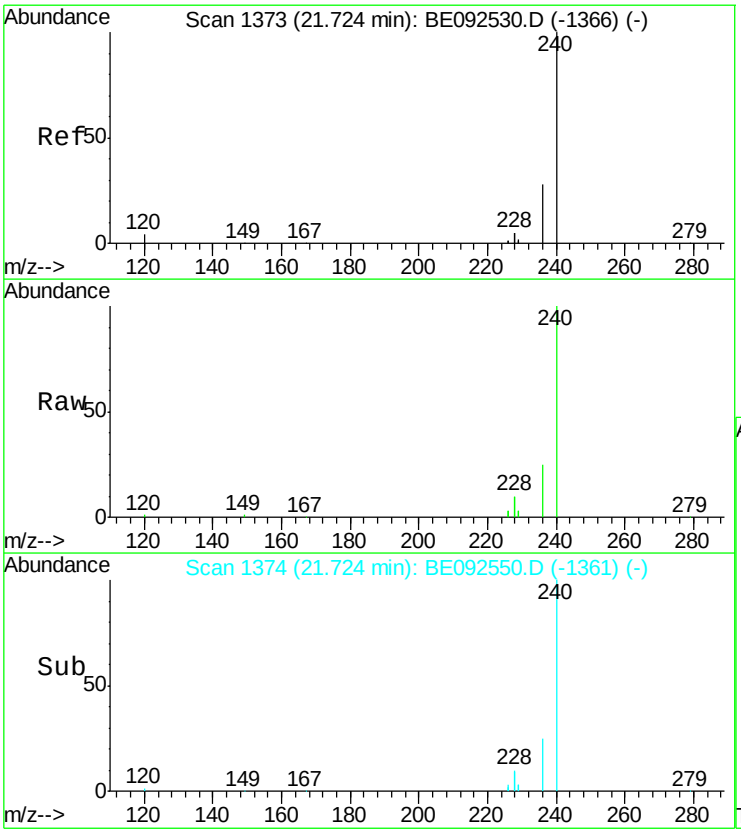
#23
Fluoranthene
Concen: 6.10 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:202 Resp: 376299

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5

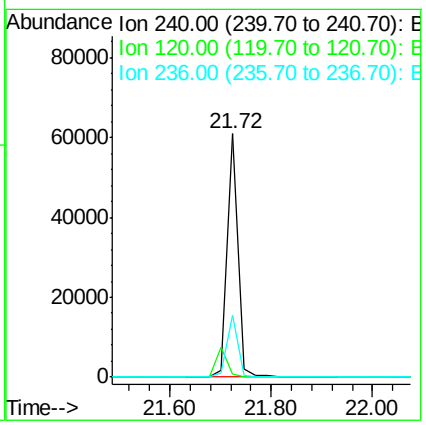


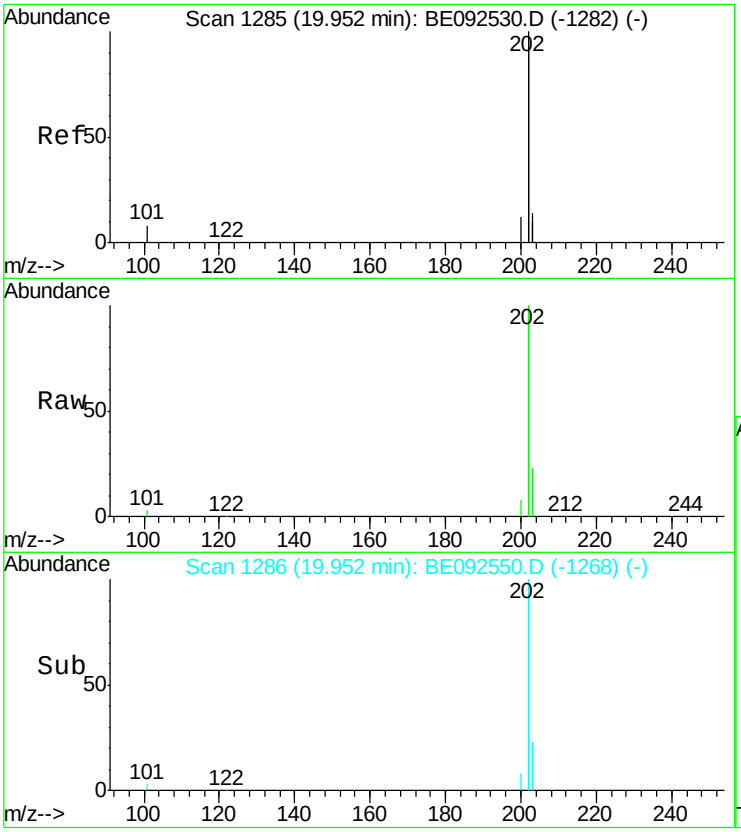


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:240 Resp: 89497

Ion	Ratio	Lower	Upper
240	100		
120	1.1	2.6	4.0#
236	25.3	24.6	37.0



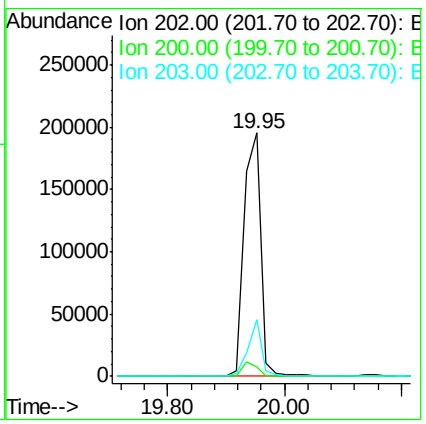


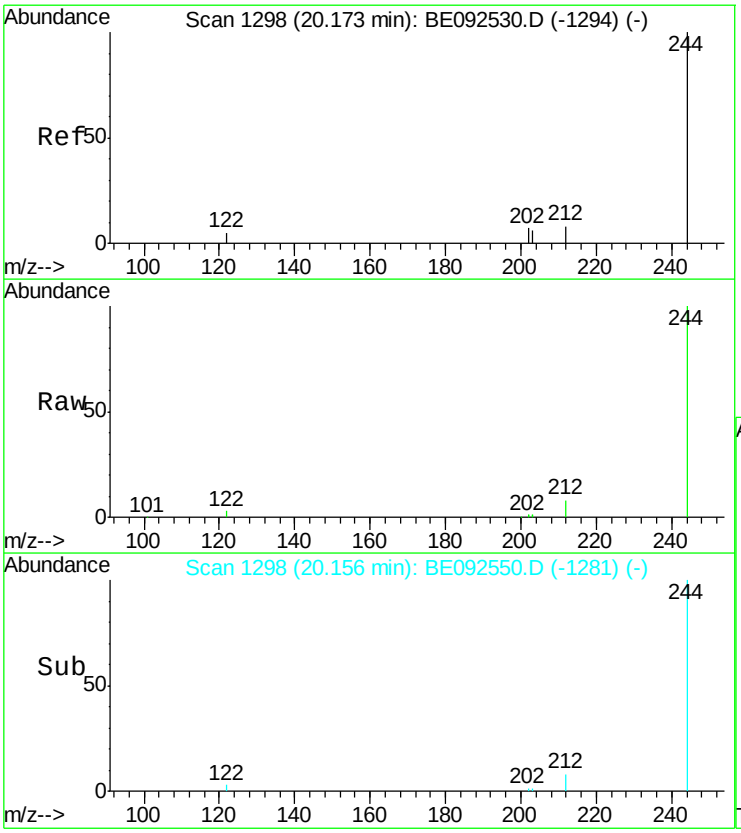
#25
Pyrene
Concen: 5.41 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:202 Resp: 385078

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.3	13.9	20.9

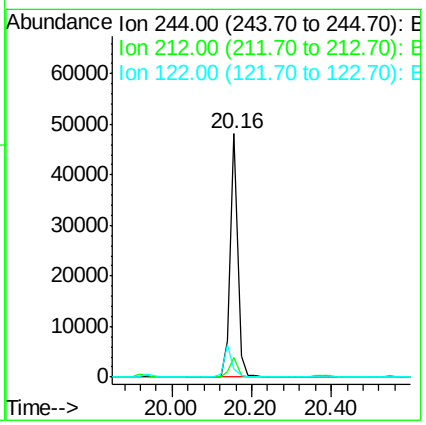


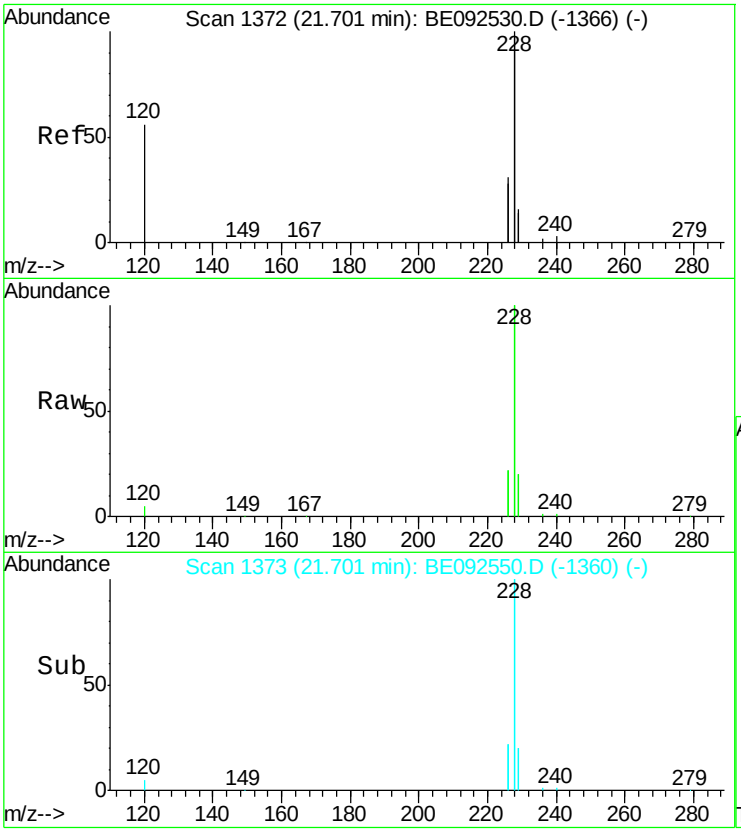


#26
Terphenyl-d14
Concen: 6.00 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:244 Resp: 61376

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.7	10.1
122	3.1	3.6	5.4#



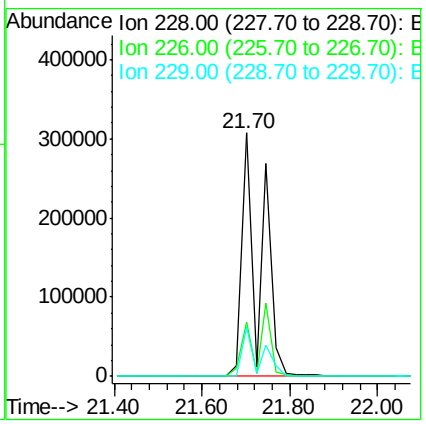


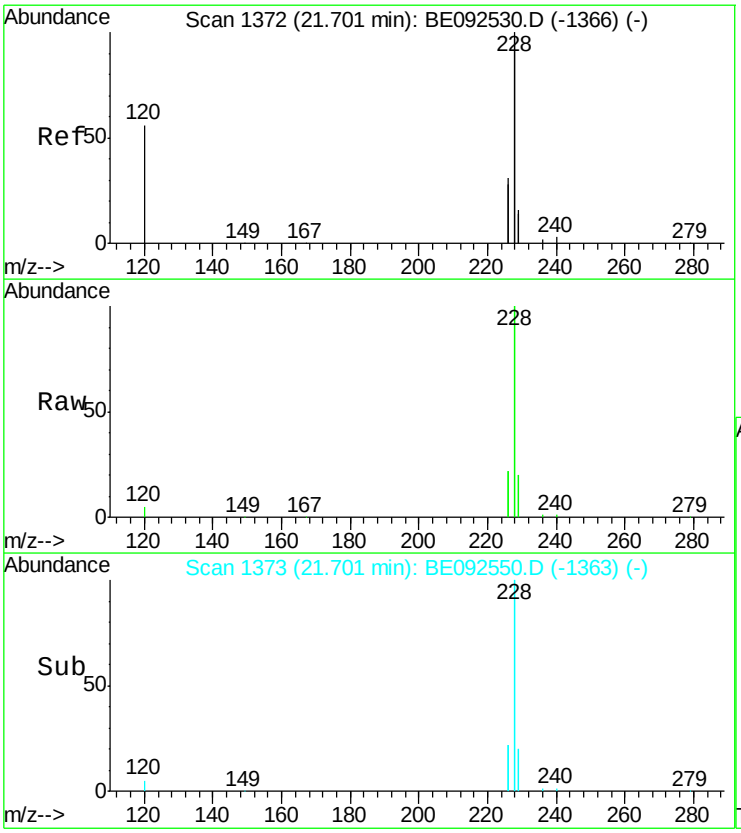
#27
Benzo(a)anthracene
Concen: 10.23 ng
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:228 Resp: 876390

Ion	Ratio	Lower	Upper
228	100		
226	22.0	23.6	35.4#
229	20.2	13.3	19.9#

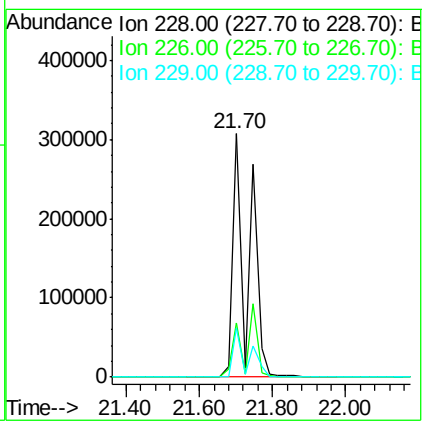


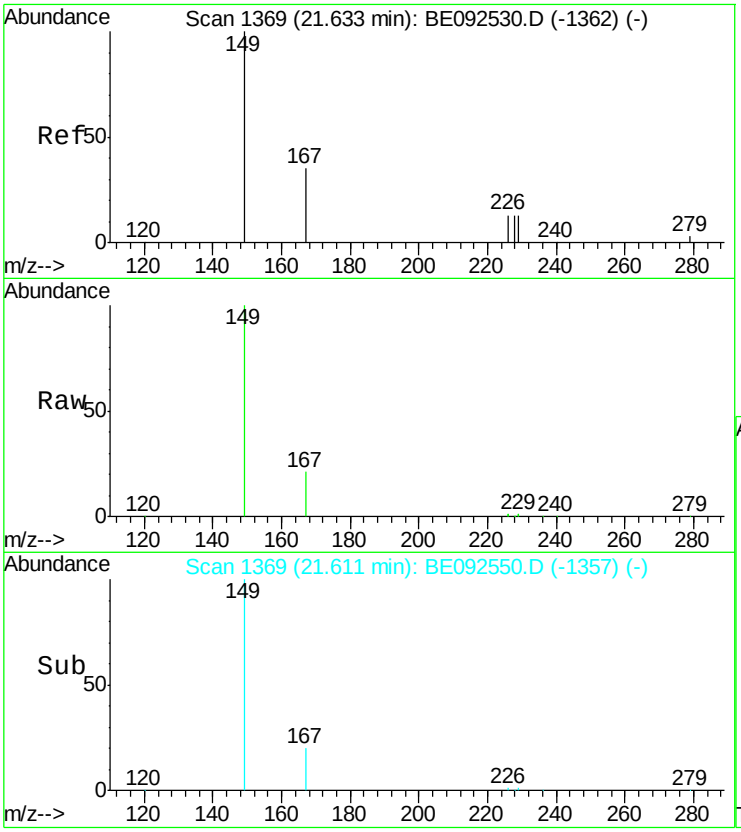


#28
Chrysene
Concen: 11.55 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.07 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:228 Resp: 878204

Ion	Ratio	Lower	Upper
228	100		
226	22.0	36.3	54.5#
229	20.2	10.6	16.0#



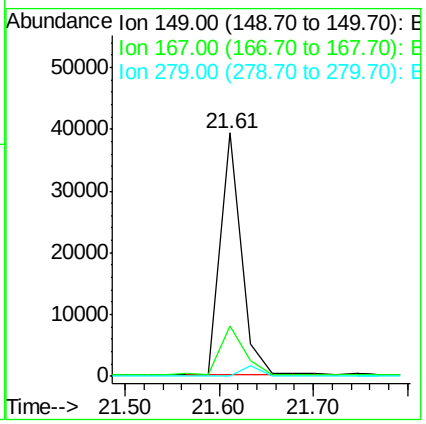


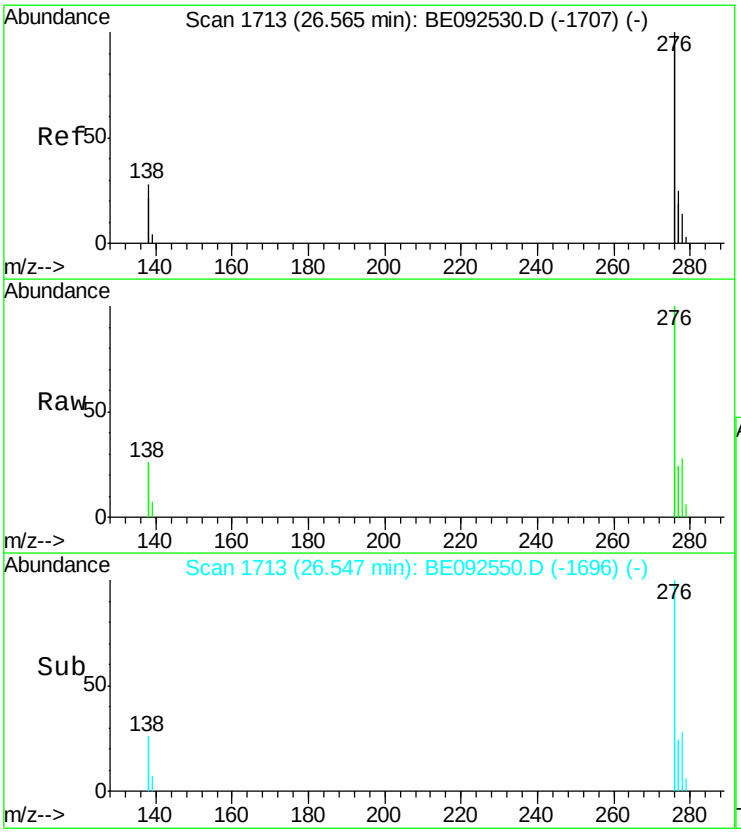
#29
Bis(2-ethylhexyl)phthalate
Concen: 10.29 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:149 Resp: 60489

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

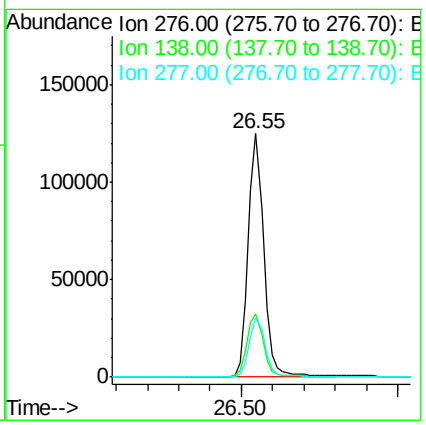


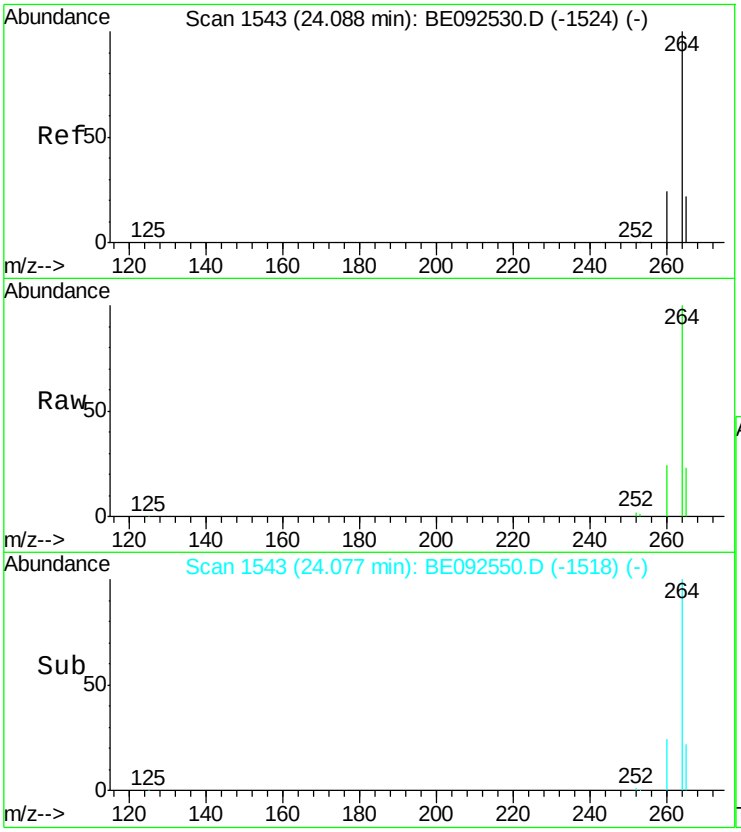


#30
Indeno(1,2,3-cd)pyrene
Concen: 5.13 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:276 Resp: 426605

Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.3	30.5
277	24.7	19.7	29.5



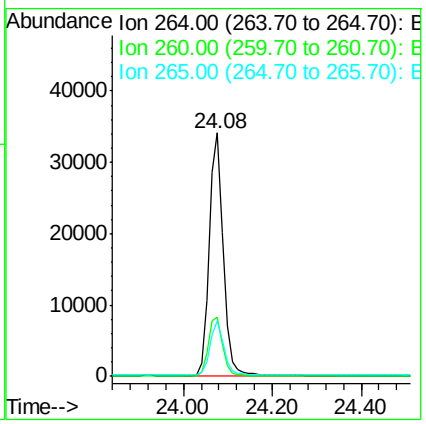


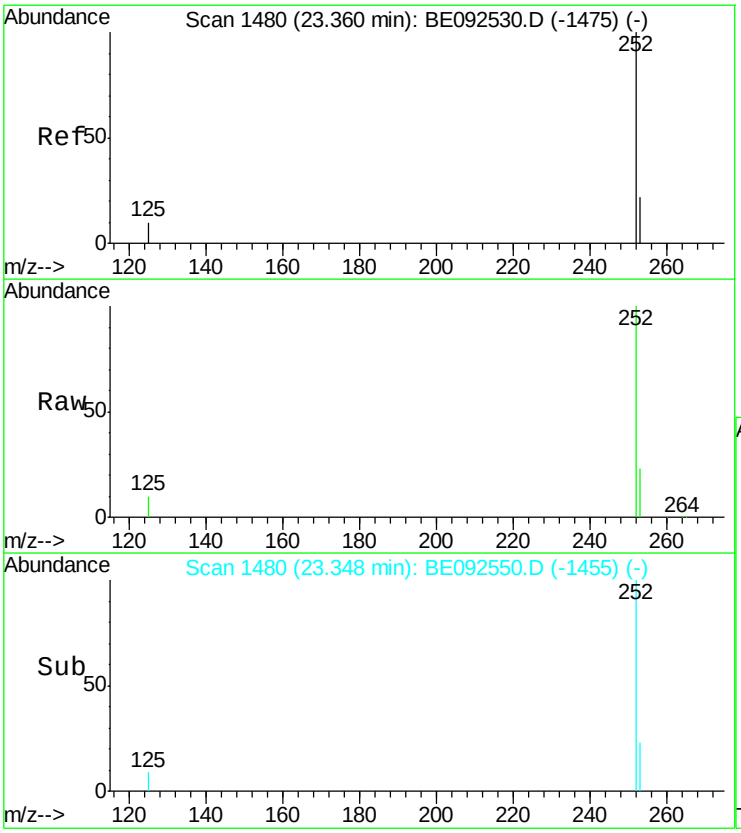
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:264 Resp: 74871

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.7	17.9	26.9

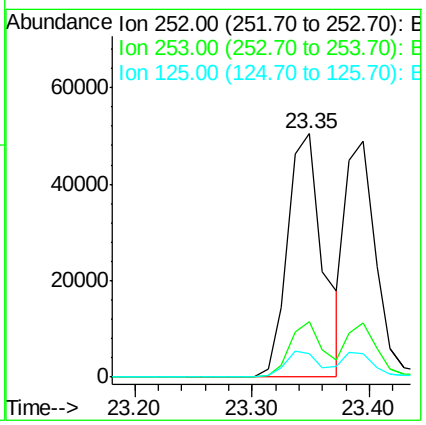


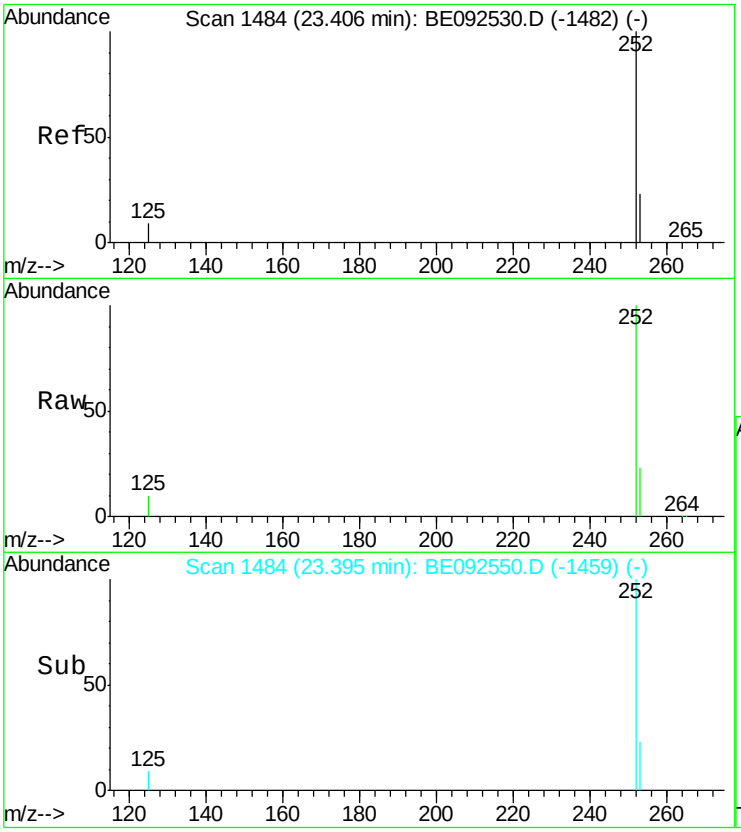


#32
Benzo(b)fluoranthene
Concen: 5.81 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:252 Resp: 105525

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	9.6	10.5	15.7#



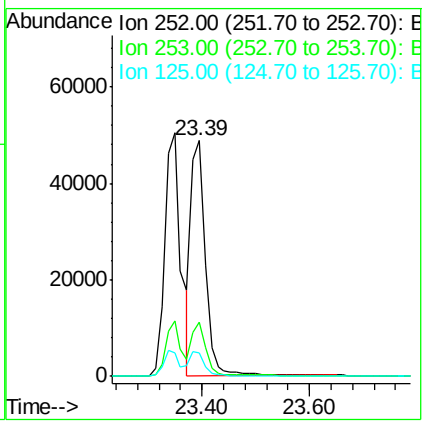


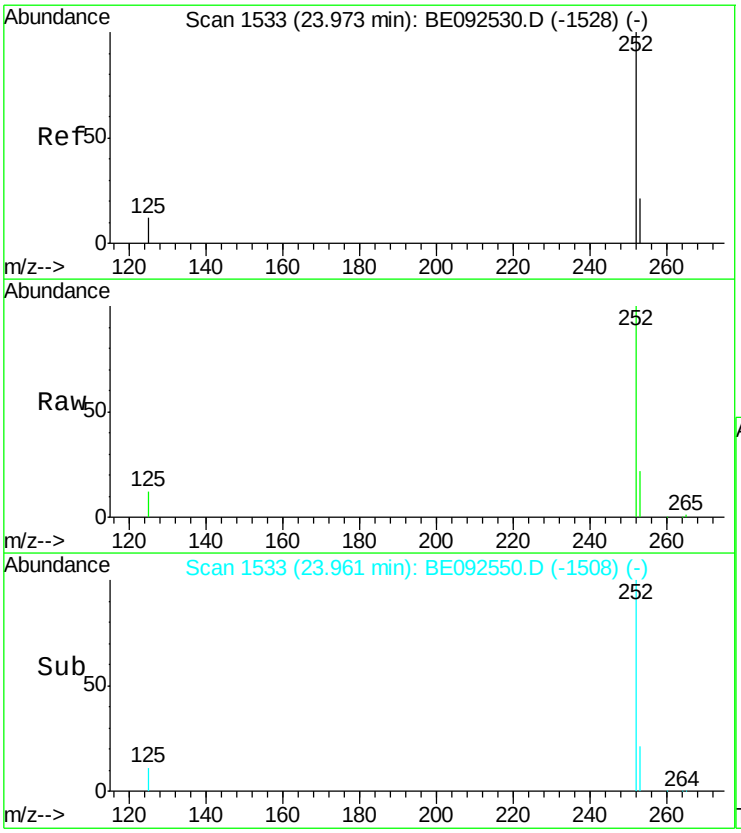
#33
Benzo(k)fluoranthene
Concen: 4.71 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:252 Resp: 89512

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	9.7	9.6	14.4

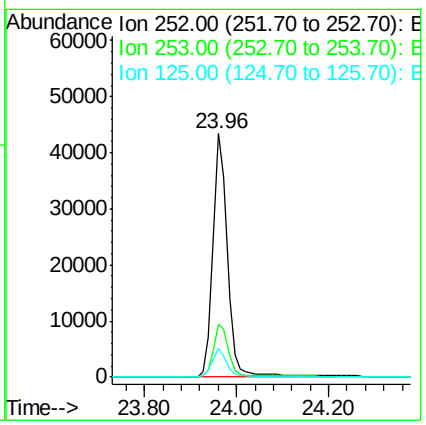


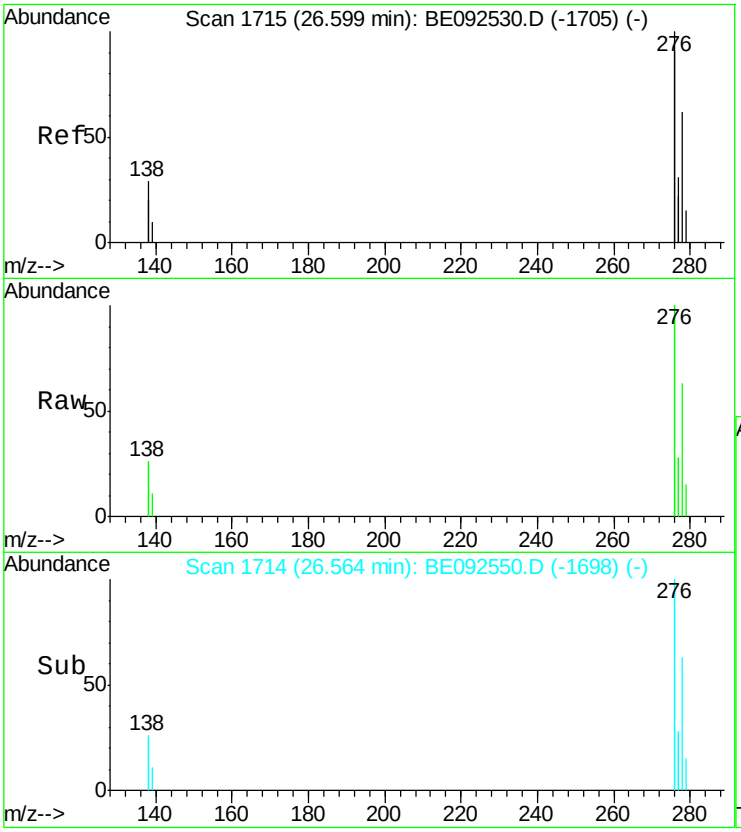


#34
Benzo(a)pyrene
Concen: 5.60 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:252 Resp: 94066

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.0	28.6
125	11.6	11.8	17.8#



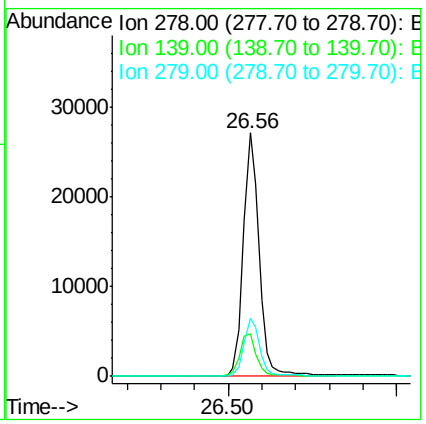


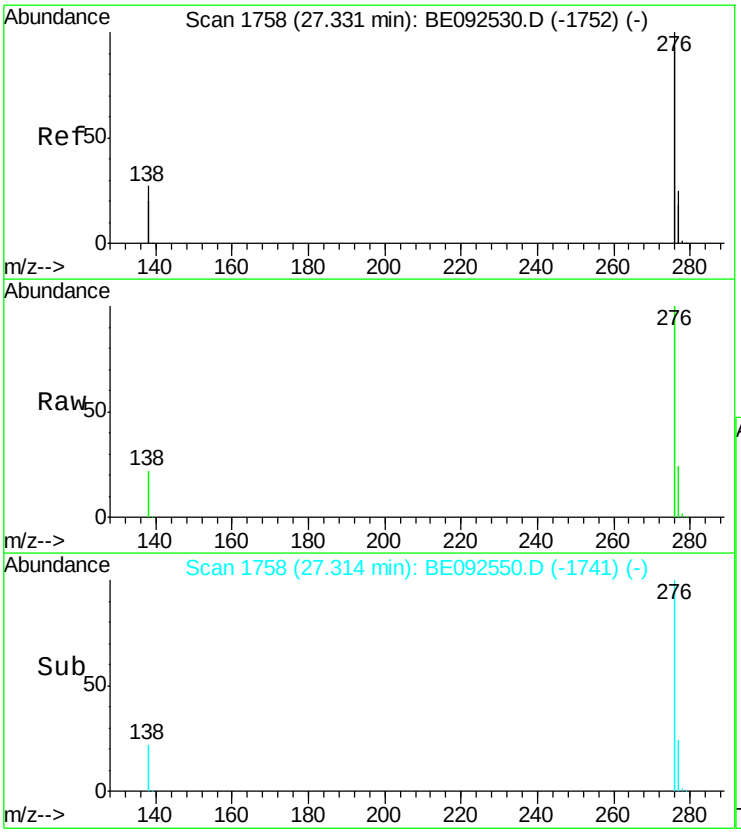
#35
Dibenzo(a,h)anthracene
Concen: 5.33 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.03 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:278 Resp: 88692

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.8	20.8
279	23.6	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 5.15 ng
RT: 27.31 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:276 Resp: 362307

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	22.2	19.8	29.6