Quantitation Report (QT 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 05:10:00 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	12.60	142	51757m	9.49	ng		
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	452739m	5.33	ng		
28) Chrysene	21.75	228	422227m	5.55	ng		
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

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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C19023041MSD

Quant Time: Nov 17 05:10:00 2016
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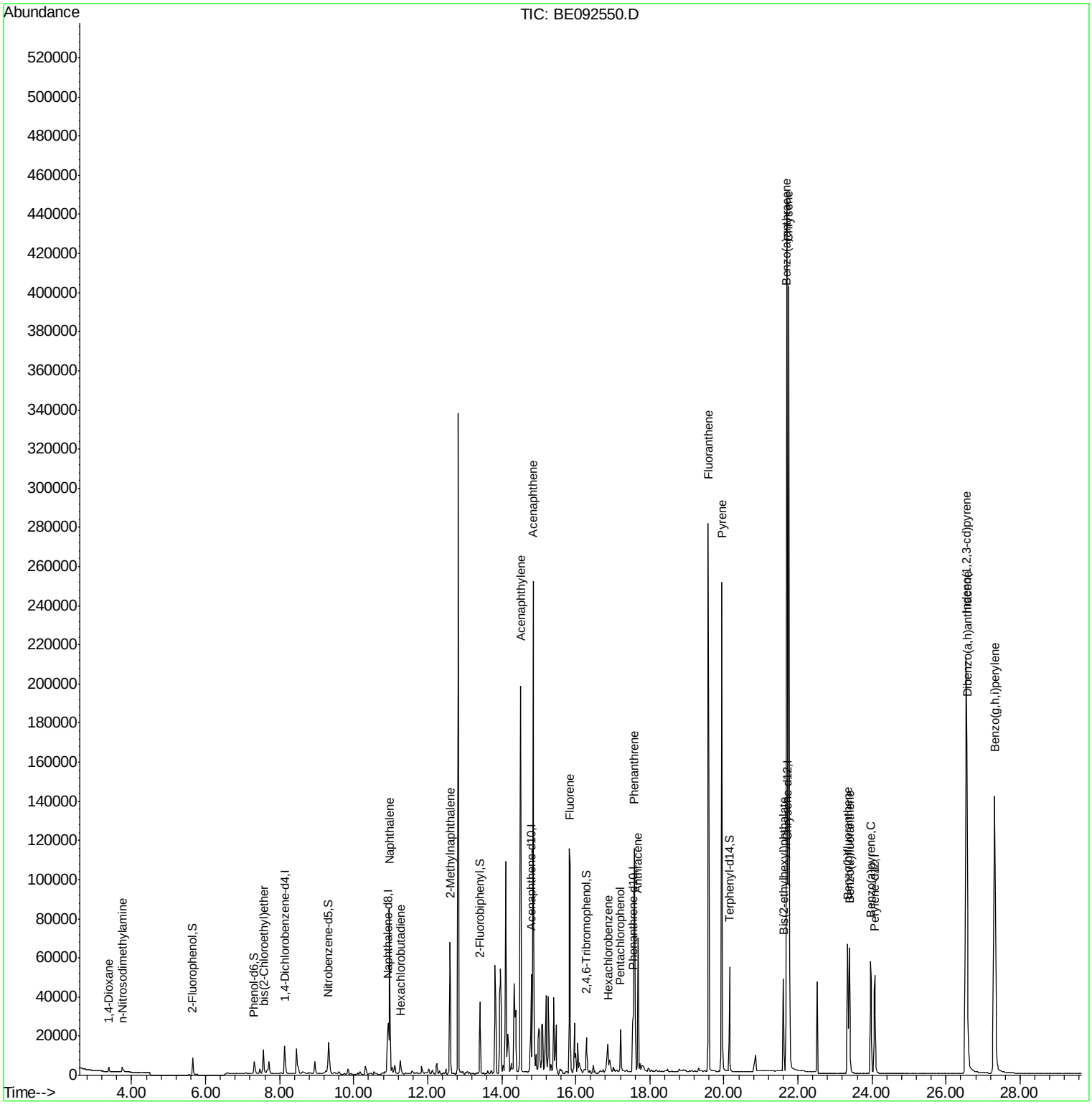
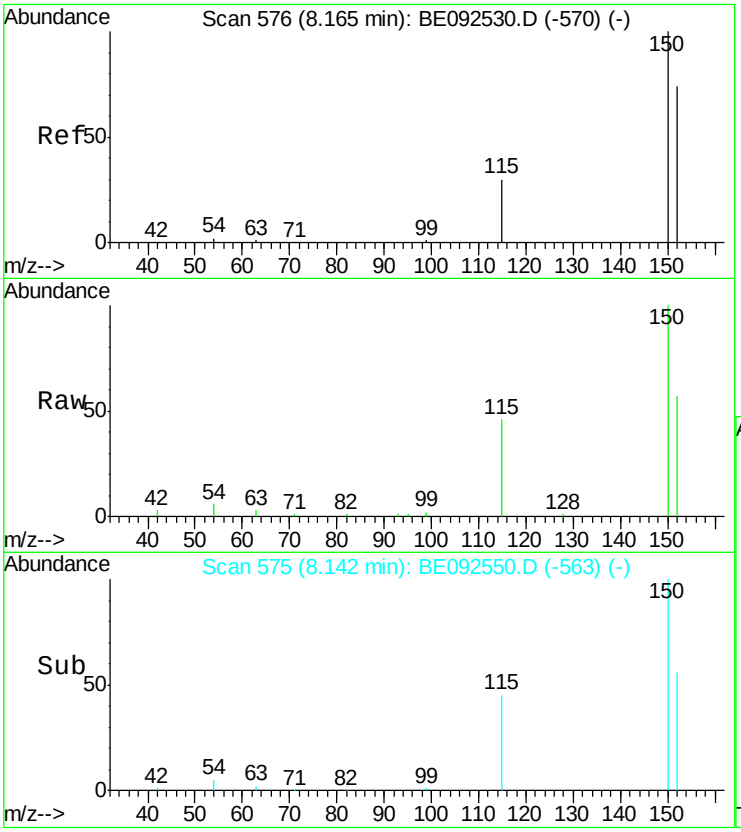
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration



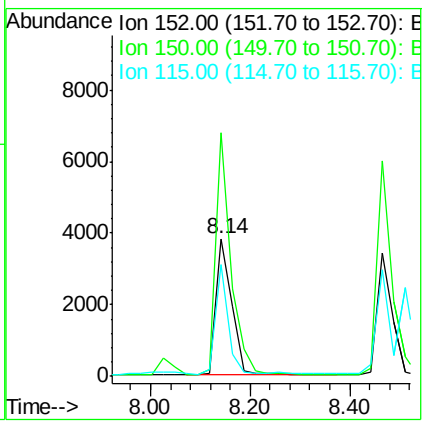


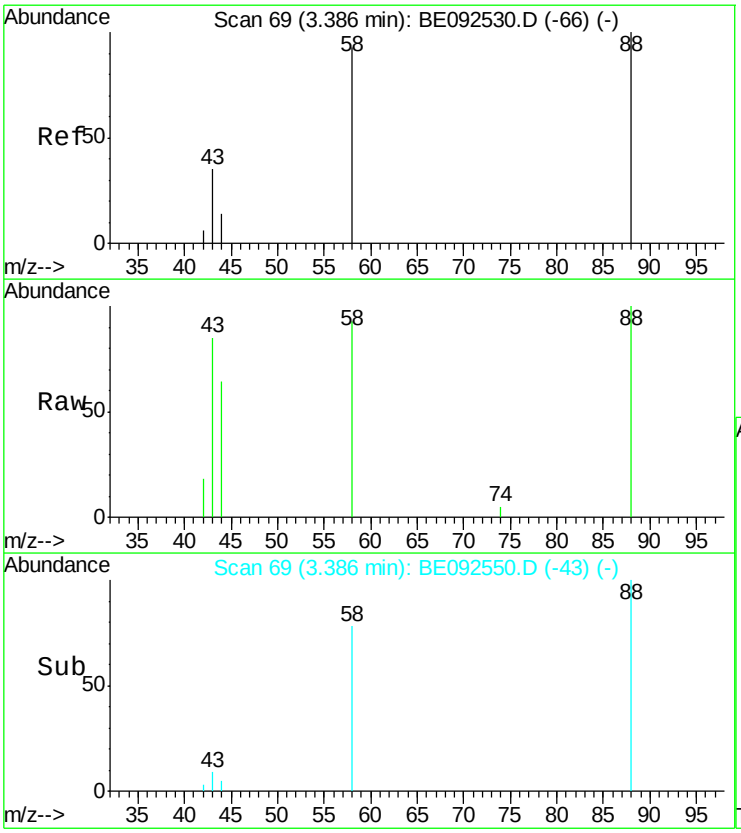
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#

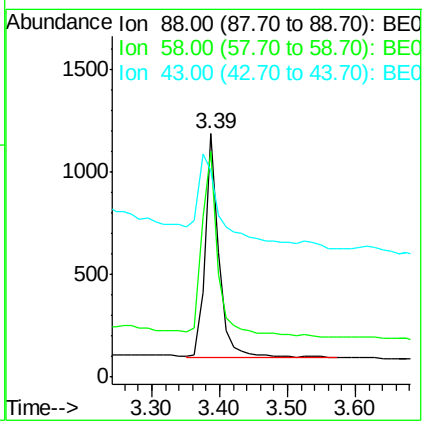


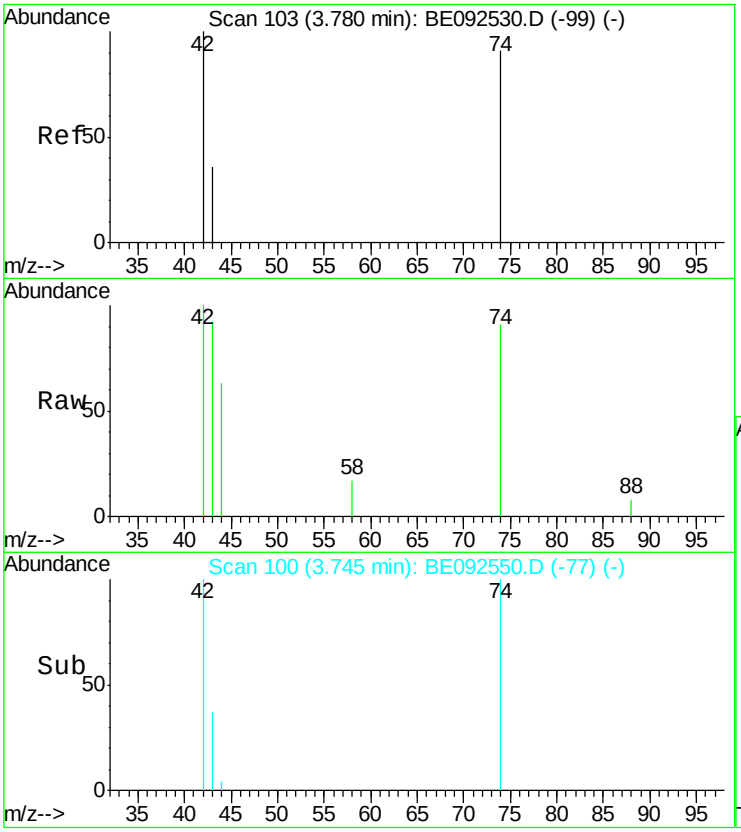


#2
1,4-Dioxane
Concen: 1.56 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#



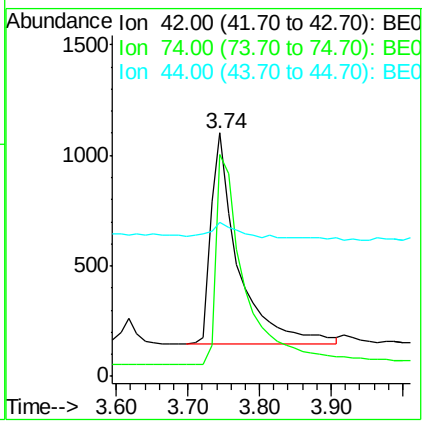


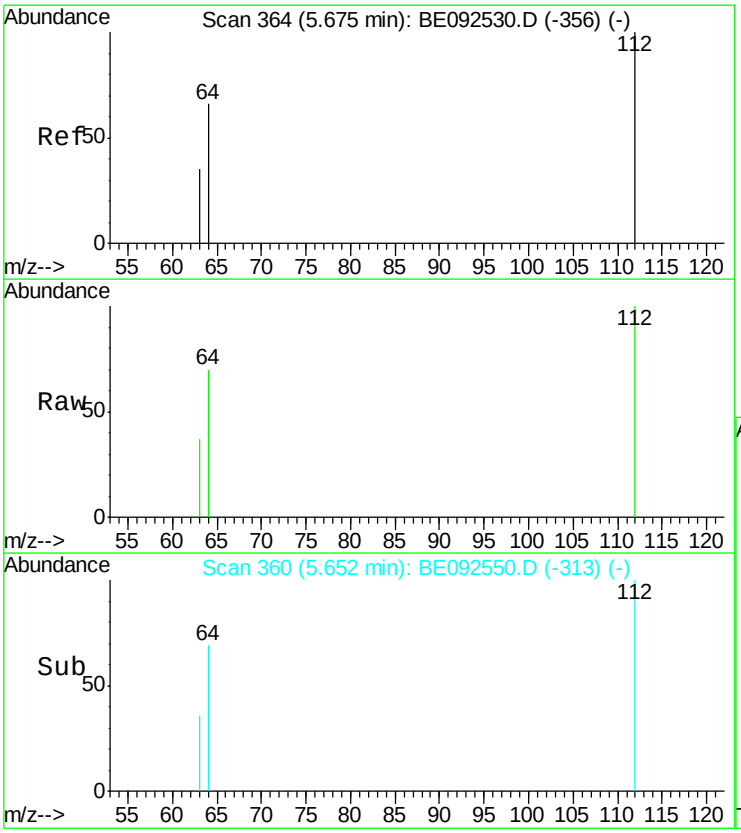
#3
n-Nitrosodimethylamine
Concen: 1.95 ng
RT: 3.74 min Scan# 100
Delta R.T. -0.03 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#

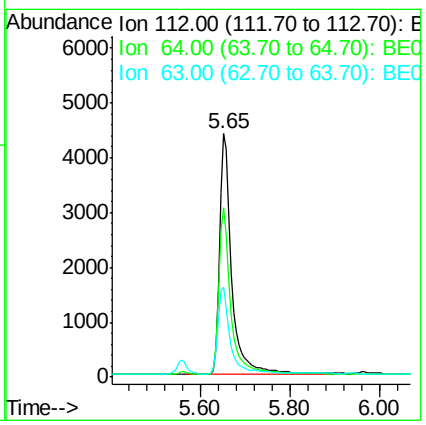


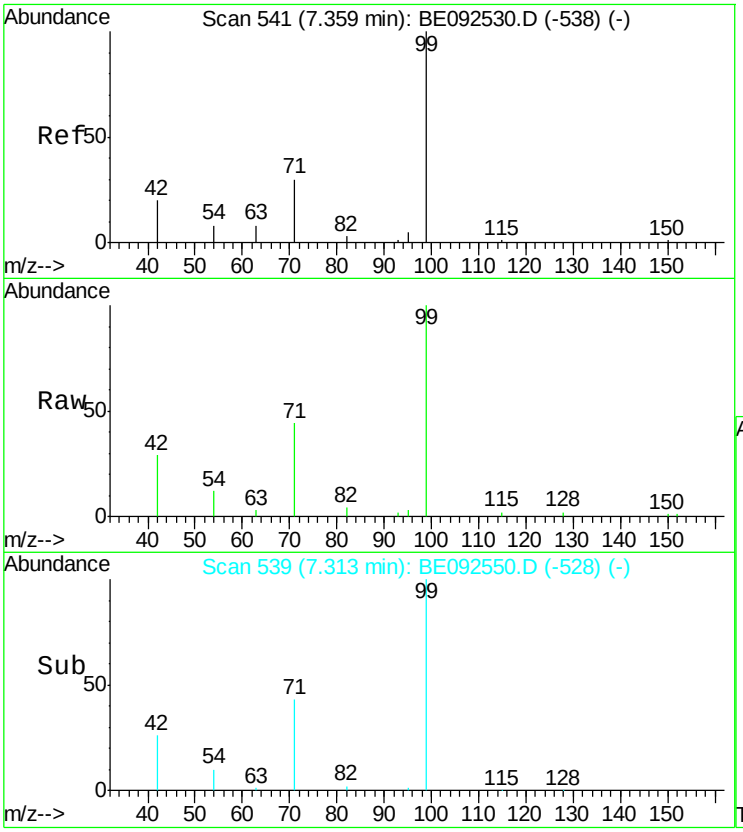


#4
2-Fluorophenol
Concen: 6.14 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



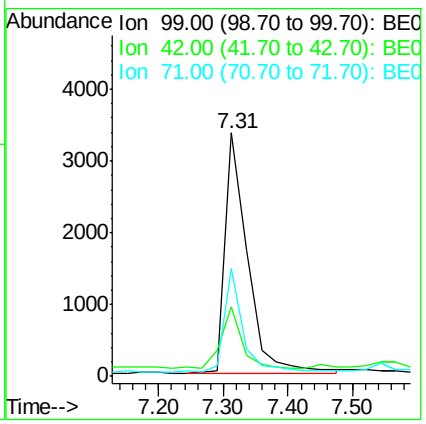


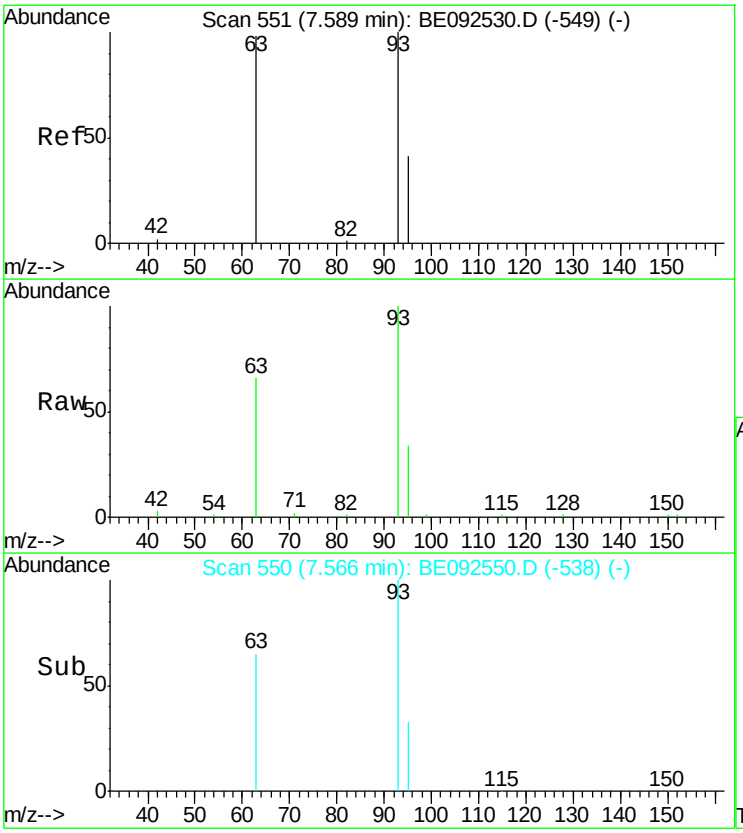
#5
Phenol-d6
Concen: 3.51 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.05 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

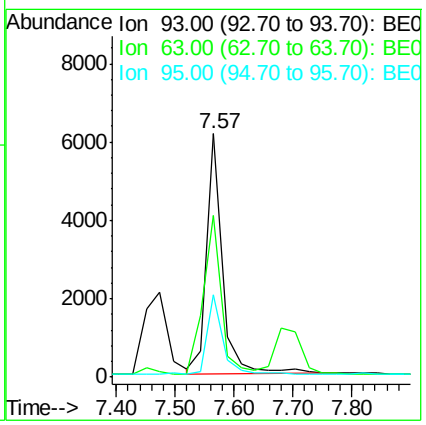


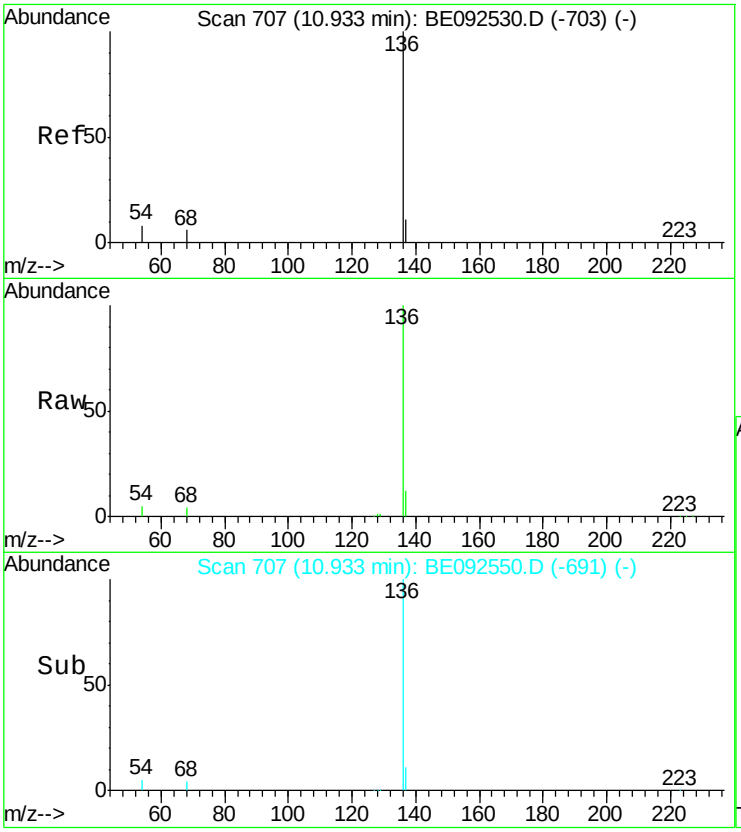


#6
bis(2-Chloroethyl)ether
Concen: 4.62 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



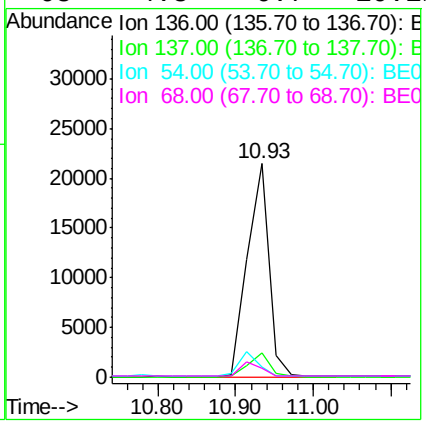


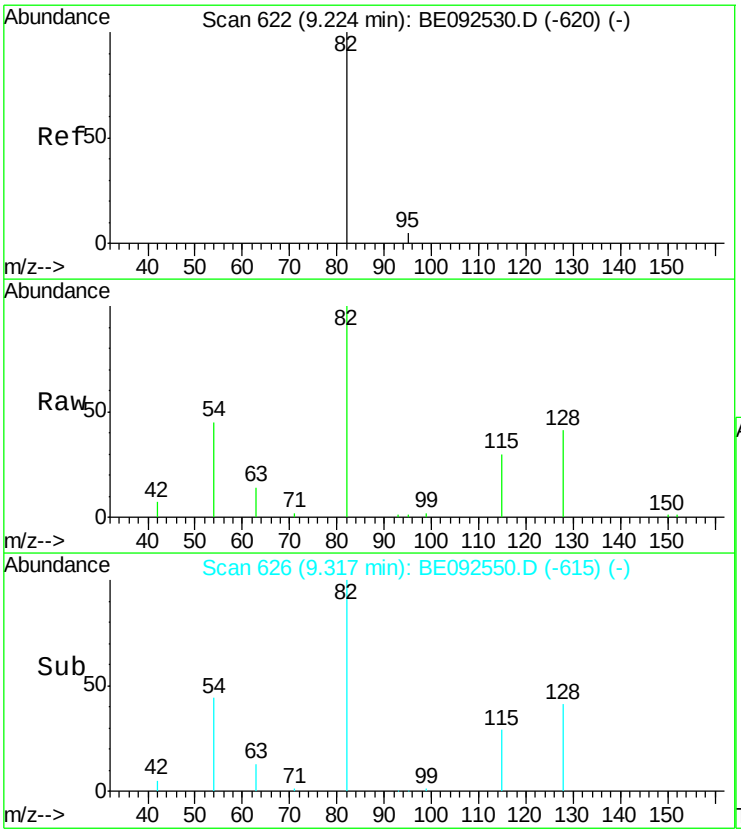
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#

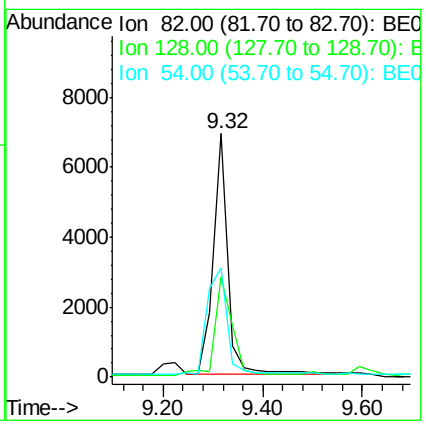


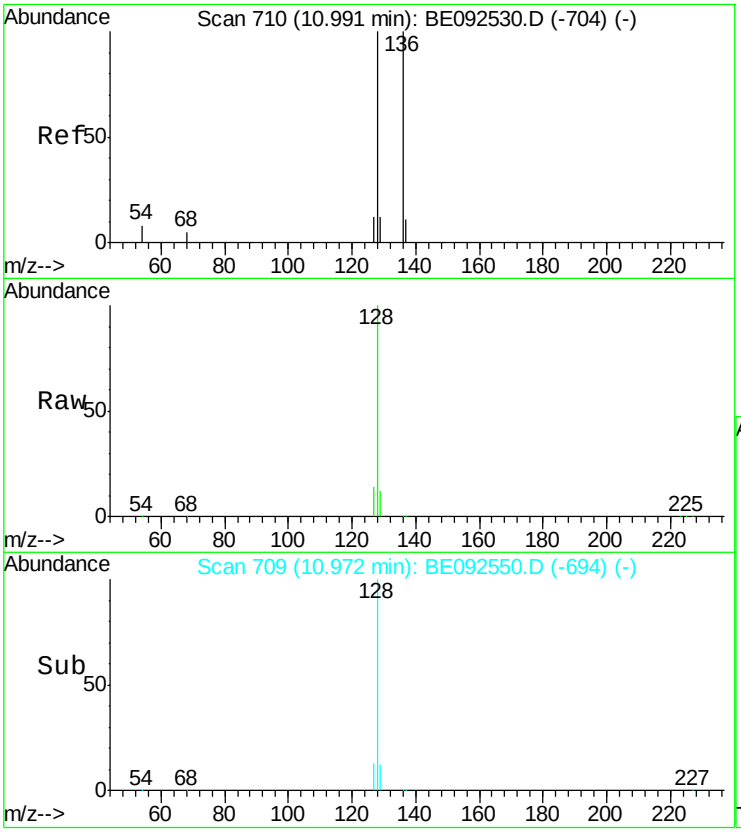


#8
Nitrobenzene-d5
Concen: 5.22 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#



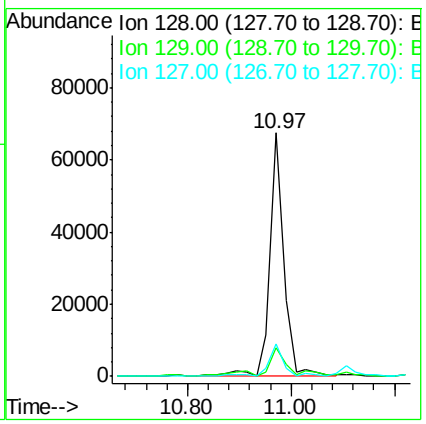


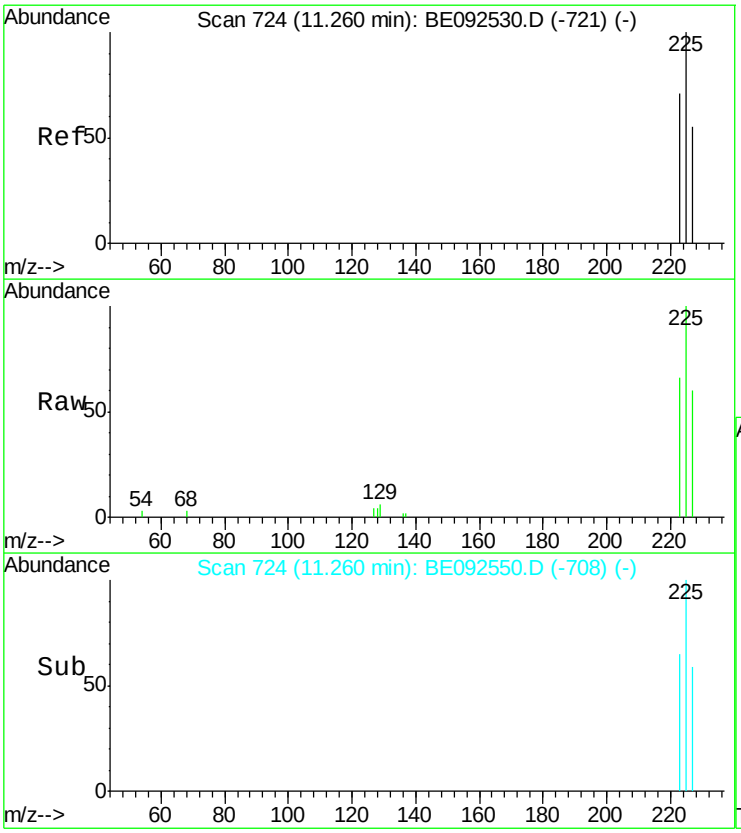
#9
Naphthalene
Concen: 14.58 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

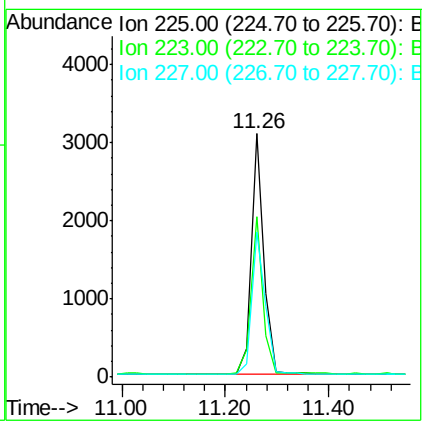


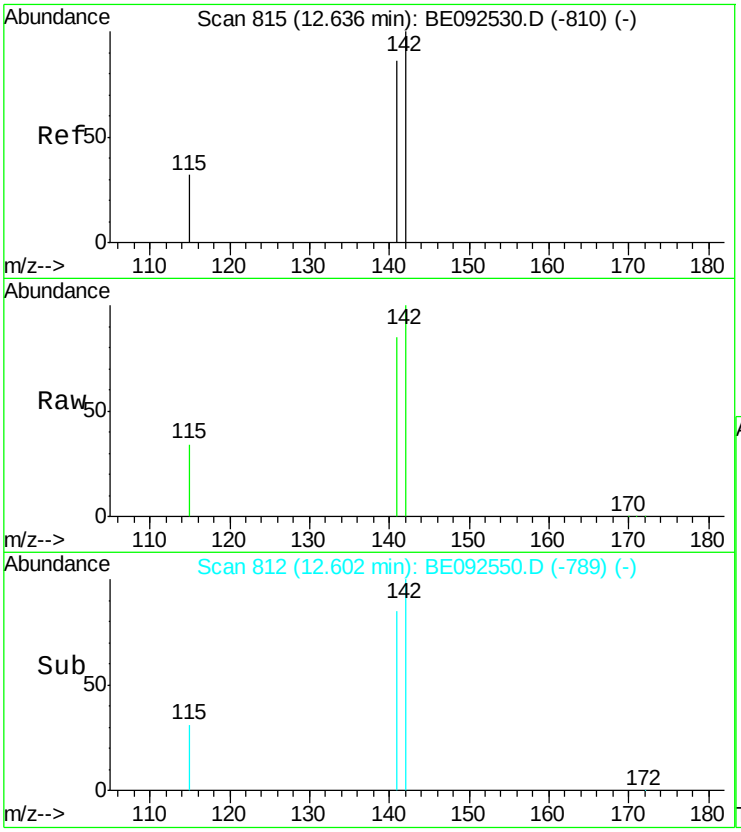


#10
Hexachlorobutadiene
Concen: 3.96 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



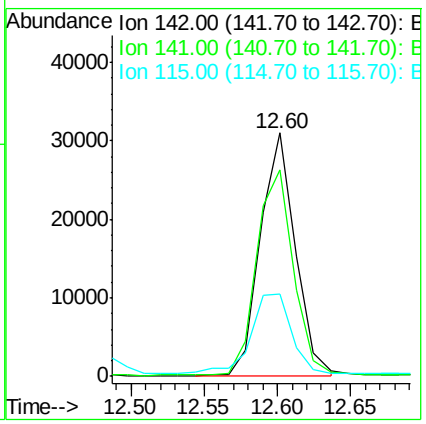


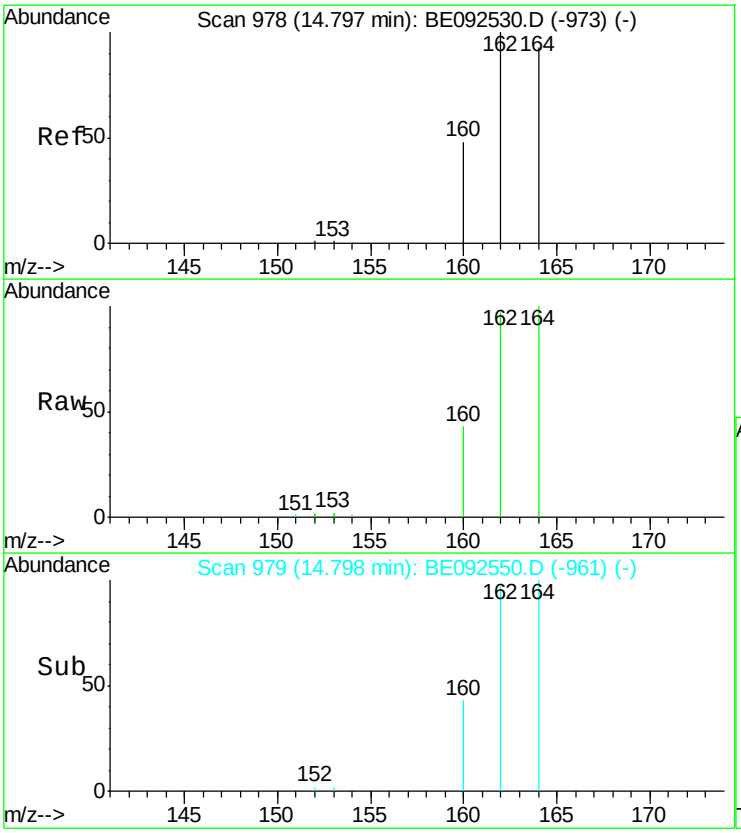
#11
2-Methylnaphthalene
Concen: 9.49 ng m
RT: 12.60 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:142 Resp: 51757

Ion	Ratio	Lower	Upper
142	100		
141	85.0	73.7	110.5
115	33.9	34.0	51.0#

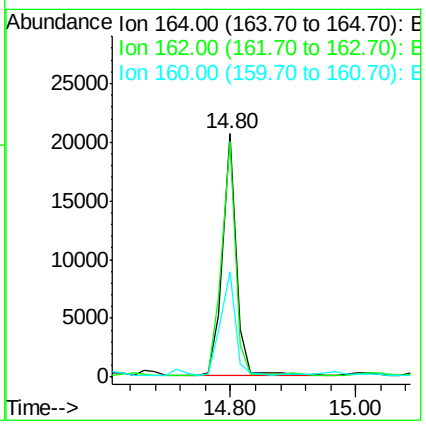


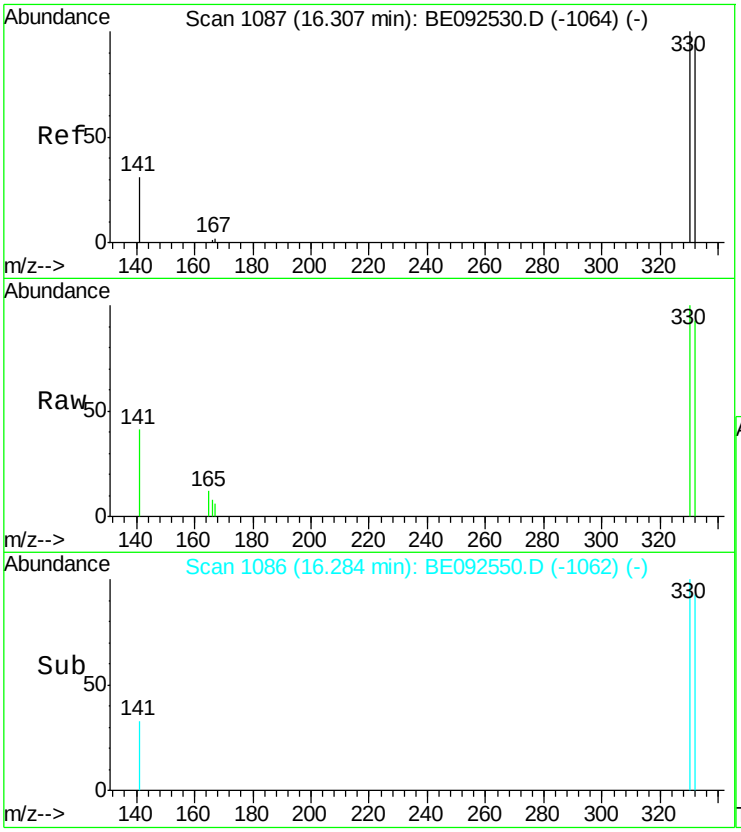


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#



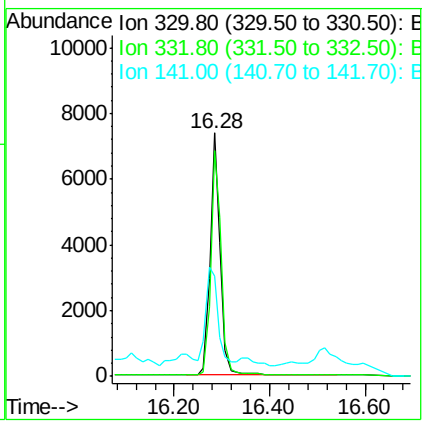


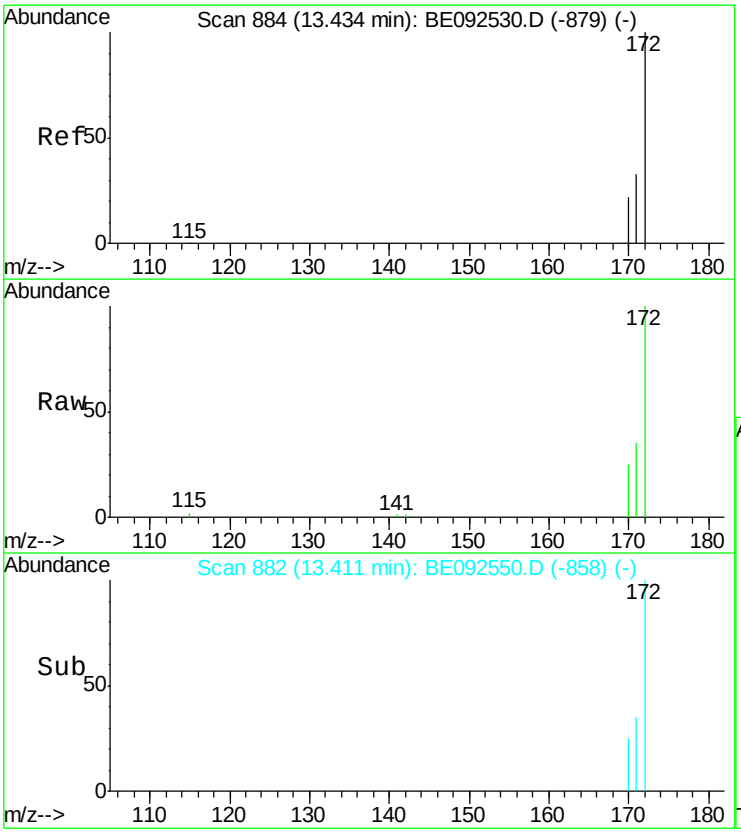
#13
2,4,6-Tribromophenol
Concen: 15.32 ng
RT: 16.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

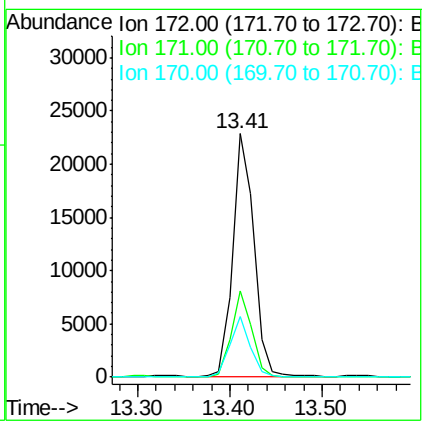


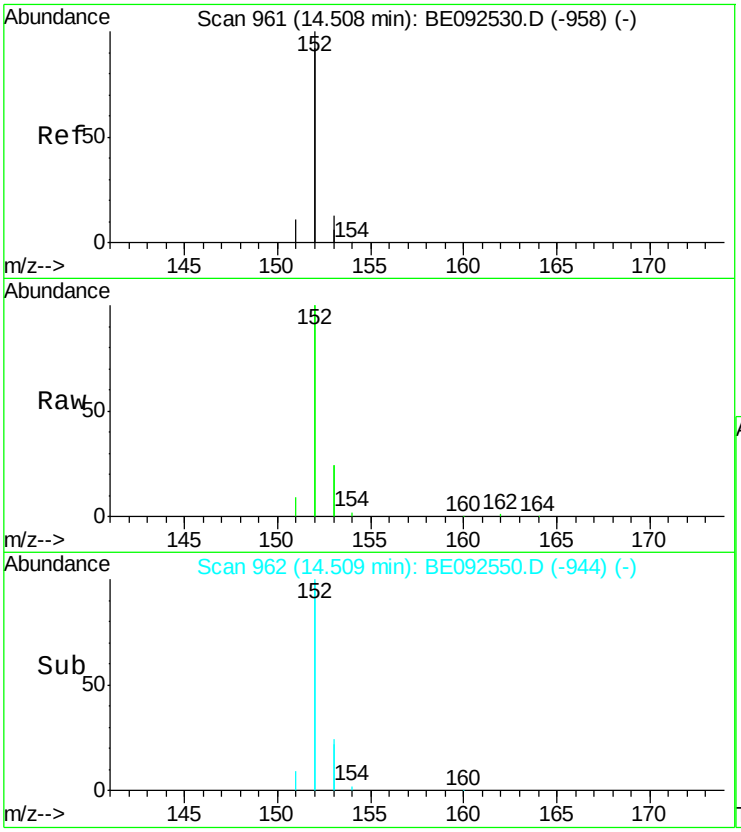


#14
2-Fluorobiphenyl
Concen: 4.67 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



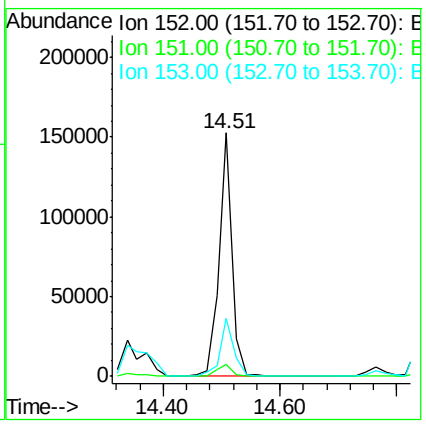


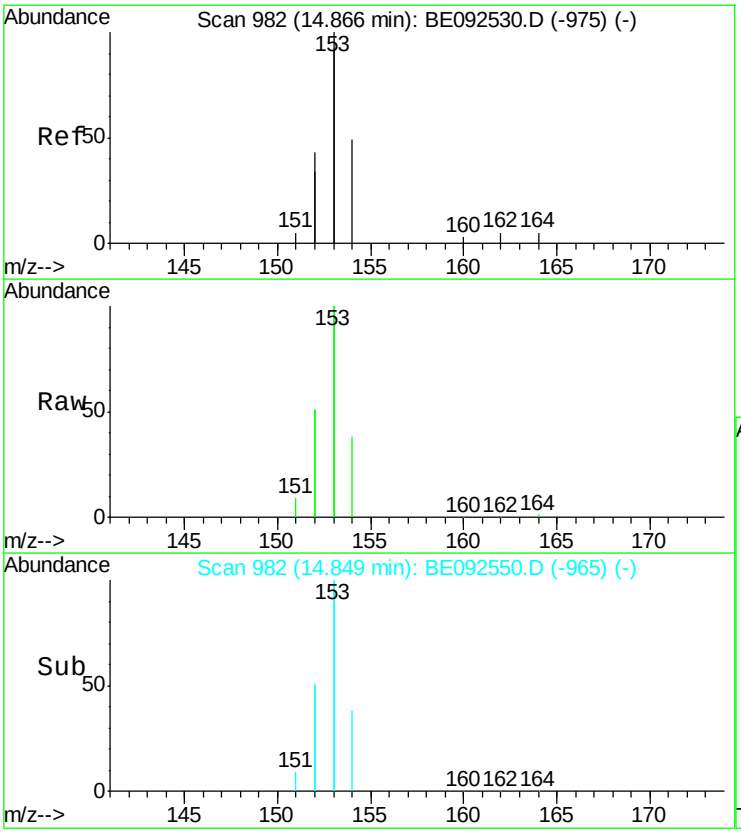
#15
Acenaphthylene
Concen: 5.32 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#

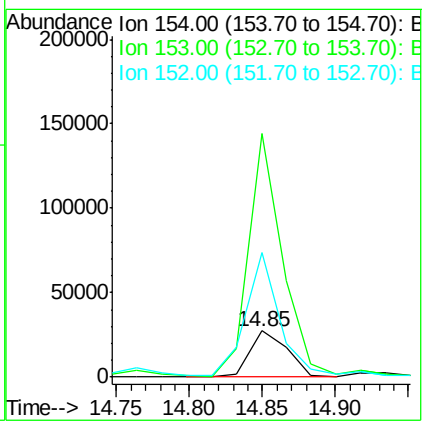


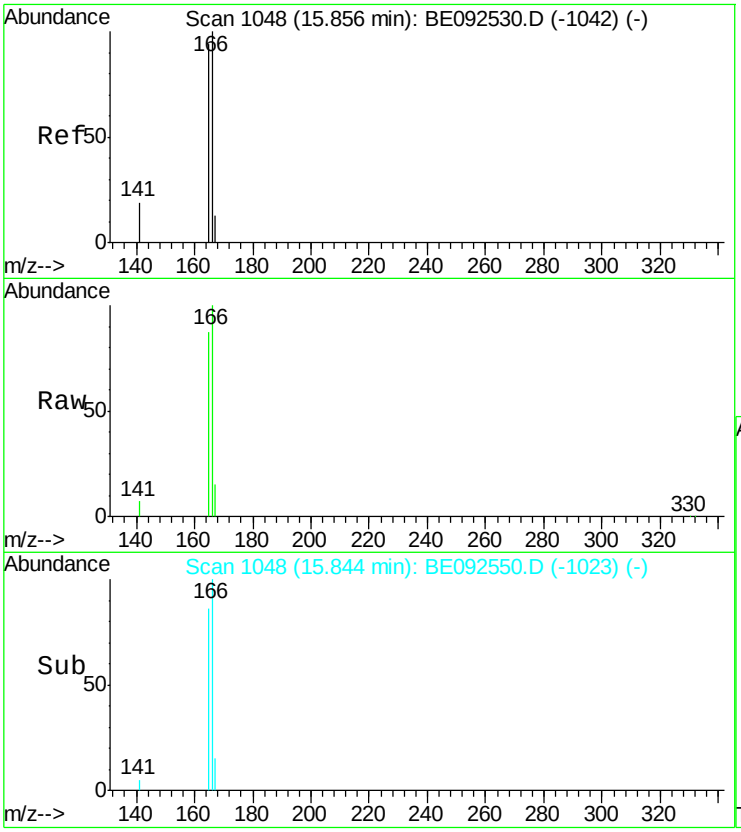


#16
Acenaphthene
Concen: 6.67 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



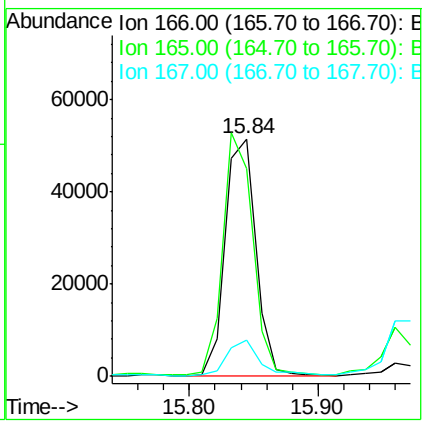


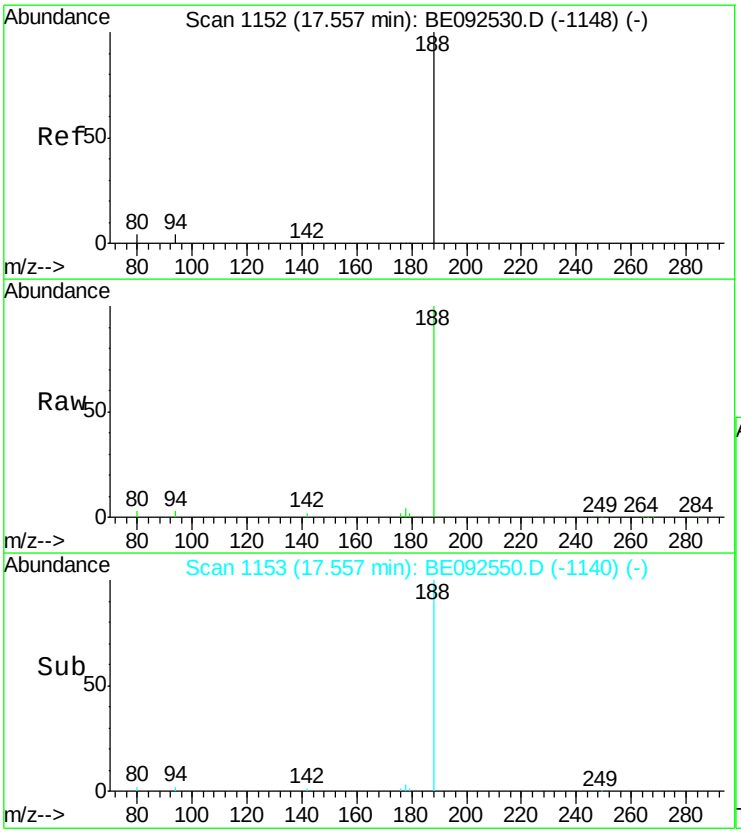
#17
Fluorene
Concen: 9.46 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

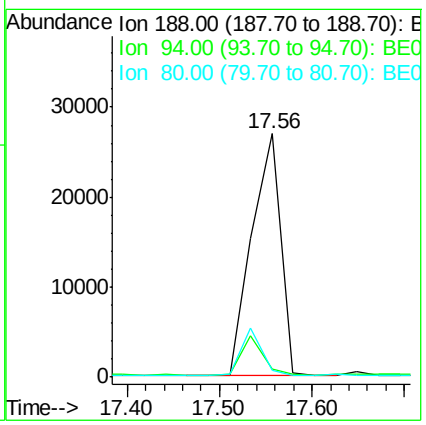


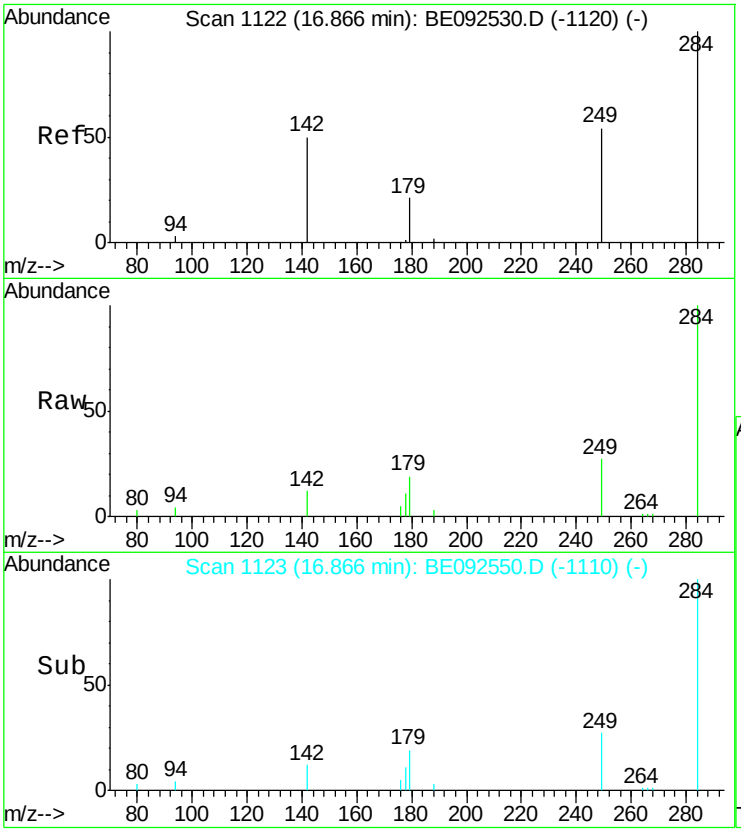


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



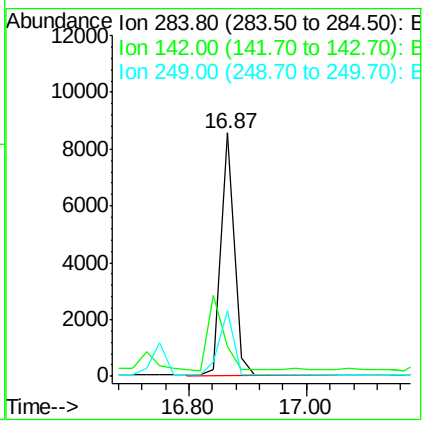


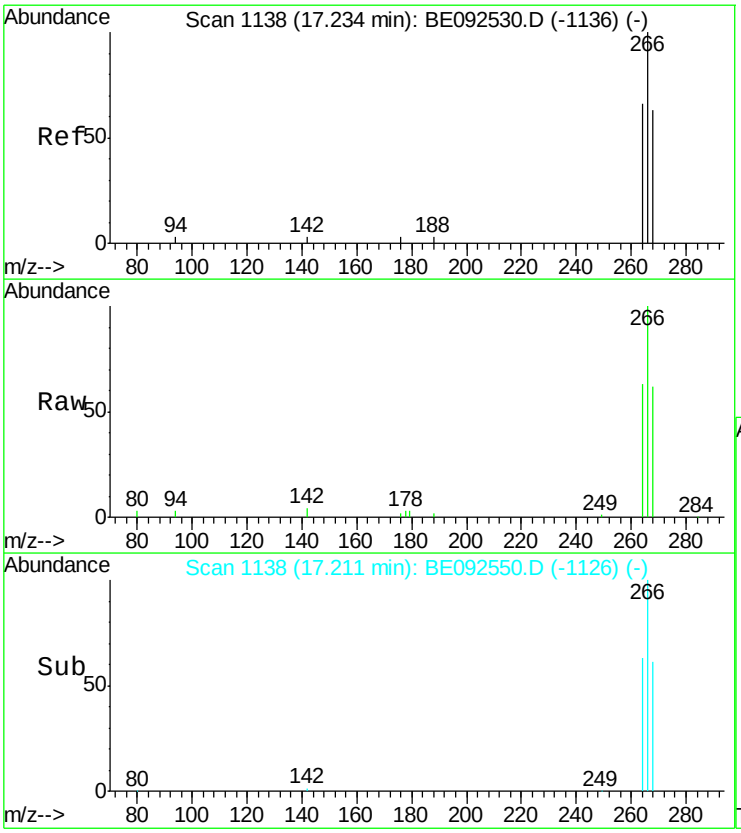
#19
Hexachlorobenzene
Concen: 5.63 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

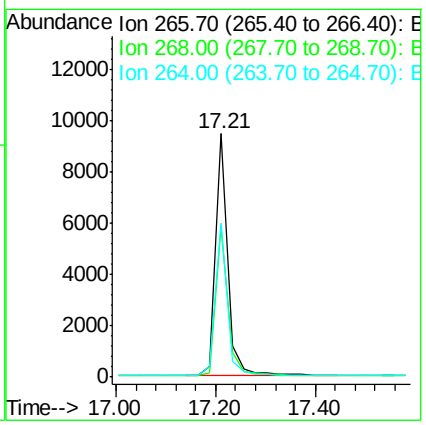


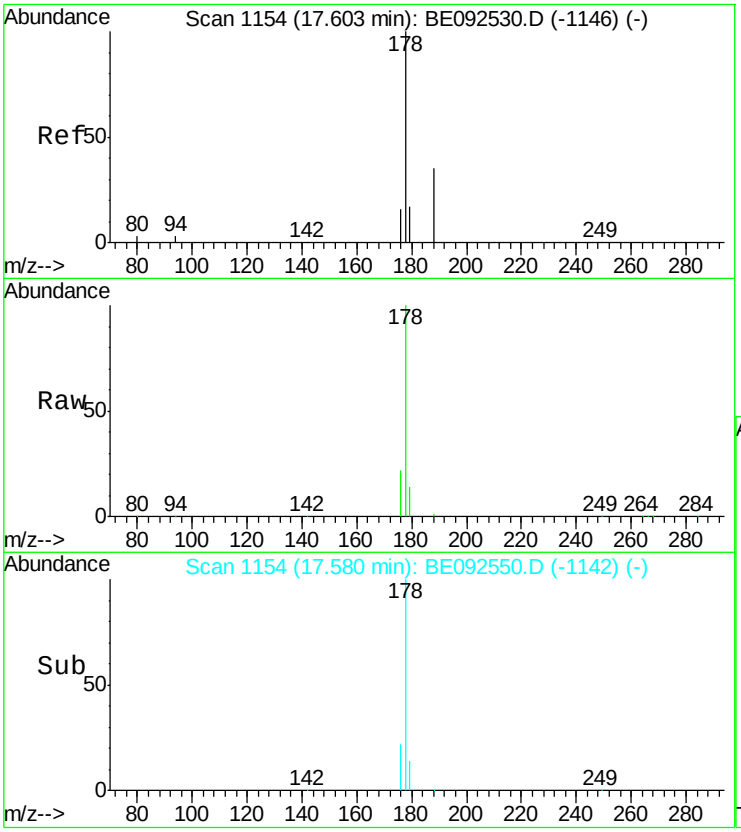


#20
Pentachlorophenol
Concen: 10.97 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



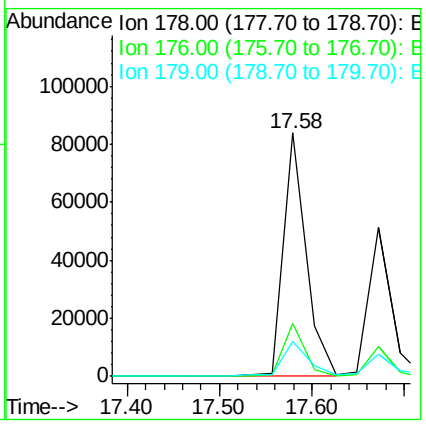


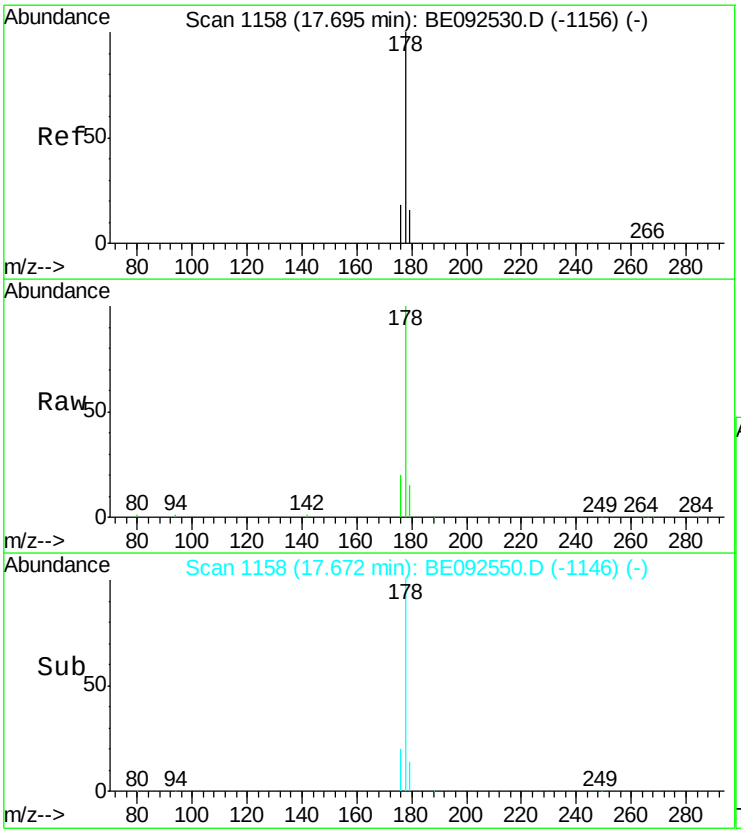
#21
Phenanthrene
Concen: 10.70 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#

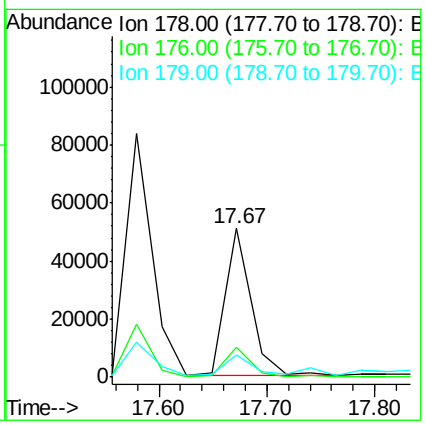


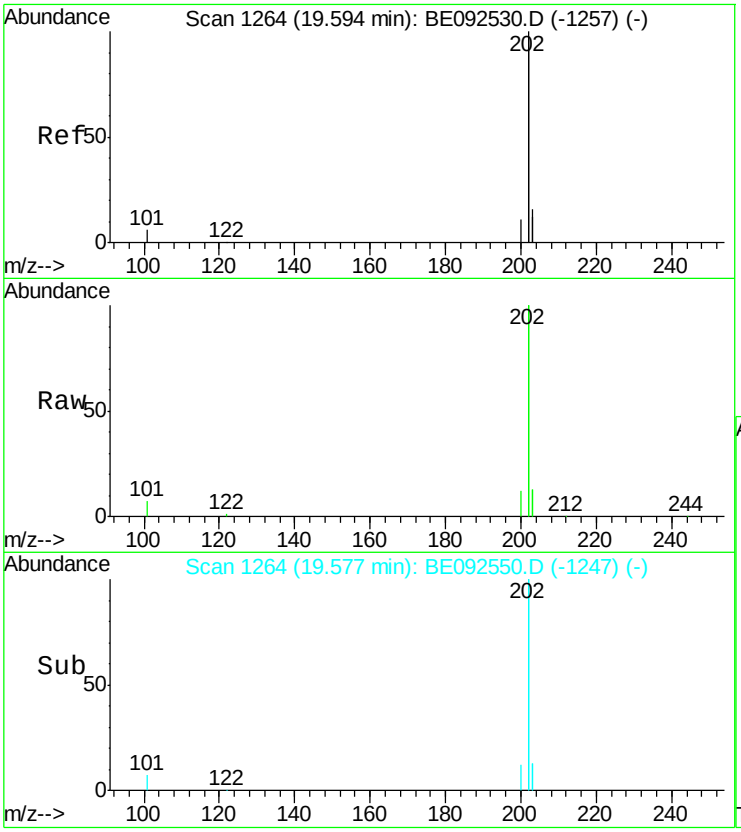


#22
Anthracene
Concen: 6.75 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



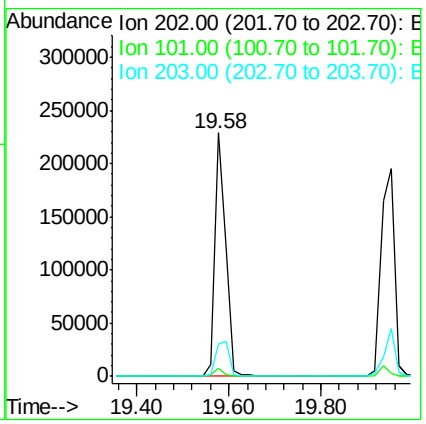


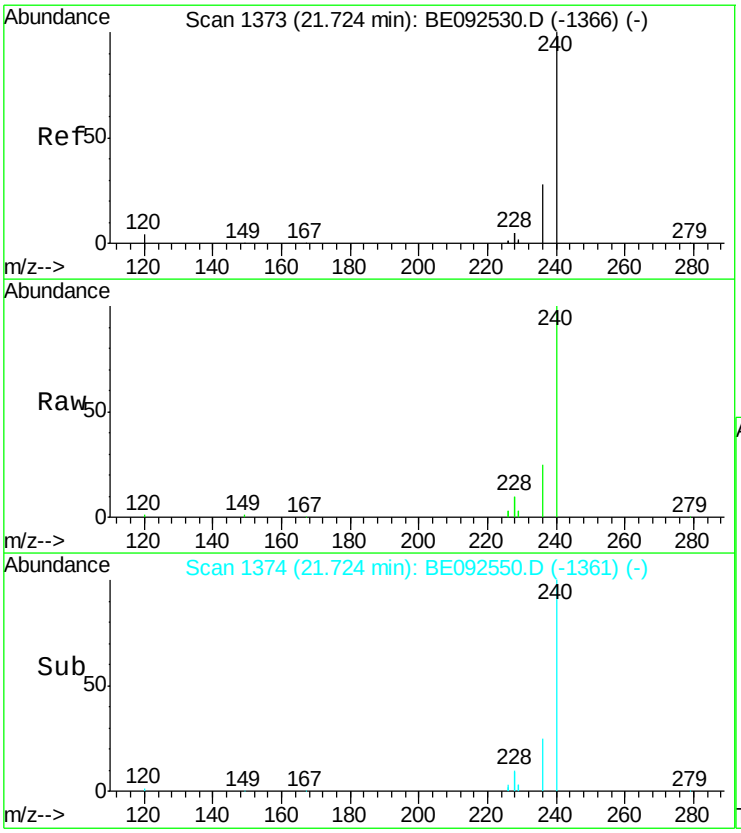
#23
Fluoranthene
Concen: 6.10 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

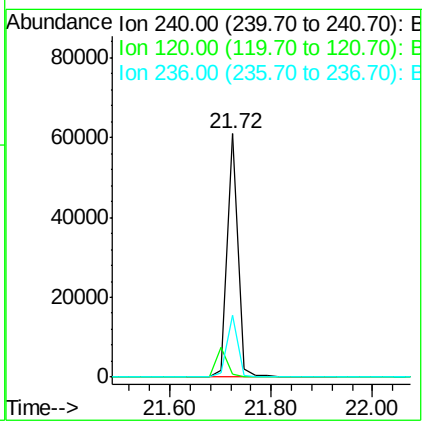


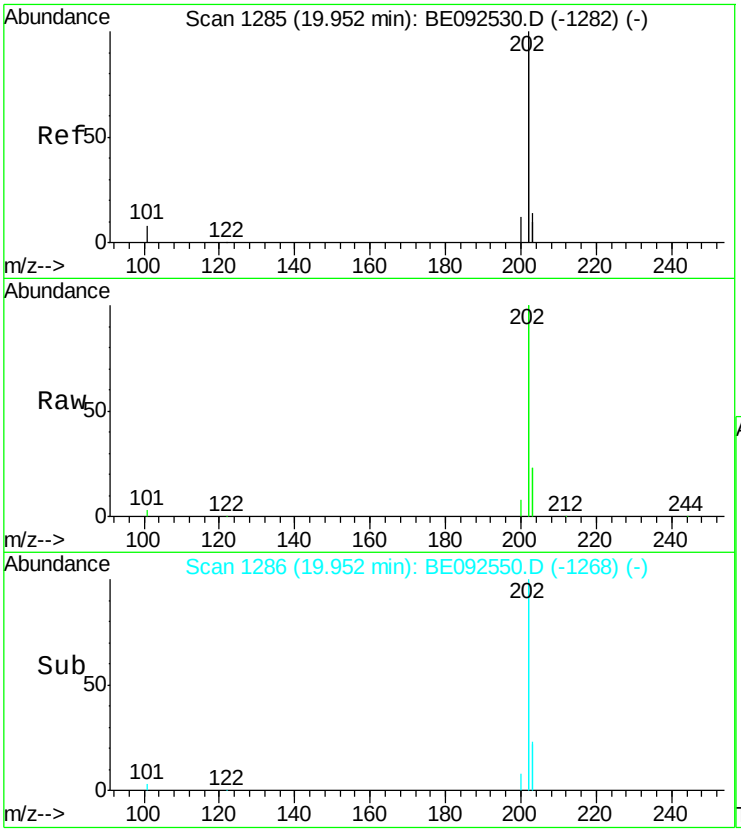


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



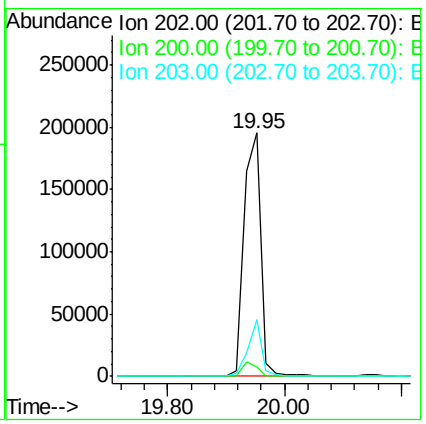


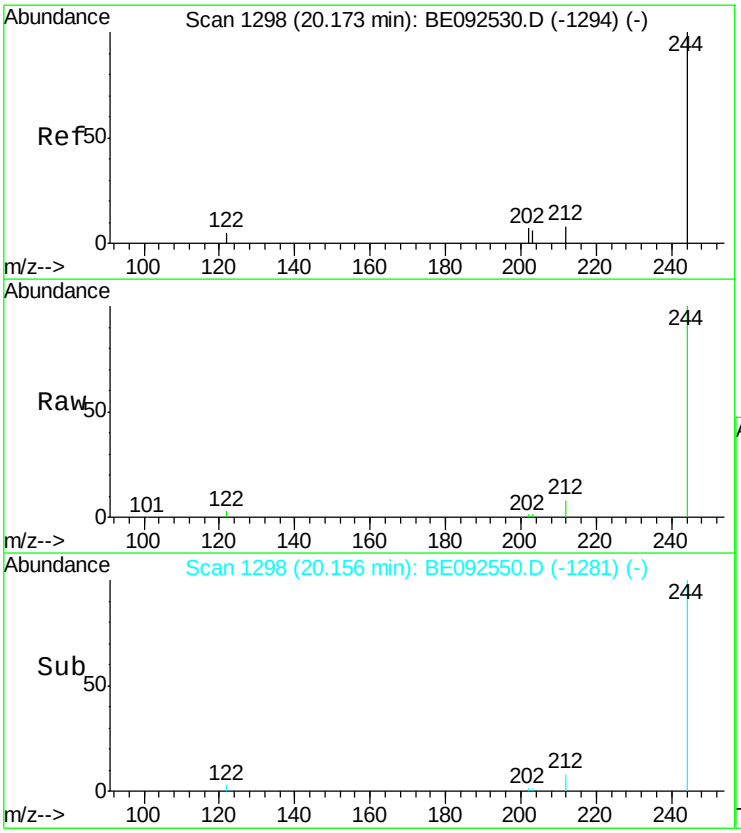
#25
Pyrene
Concen: 5.41 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

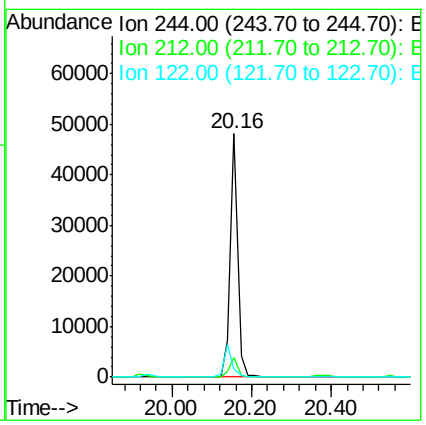


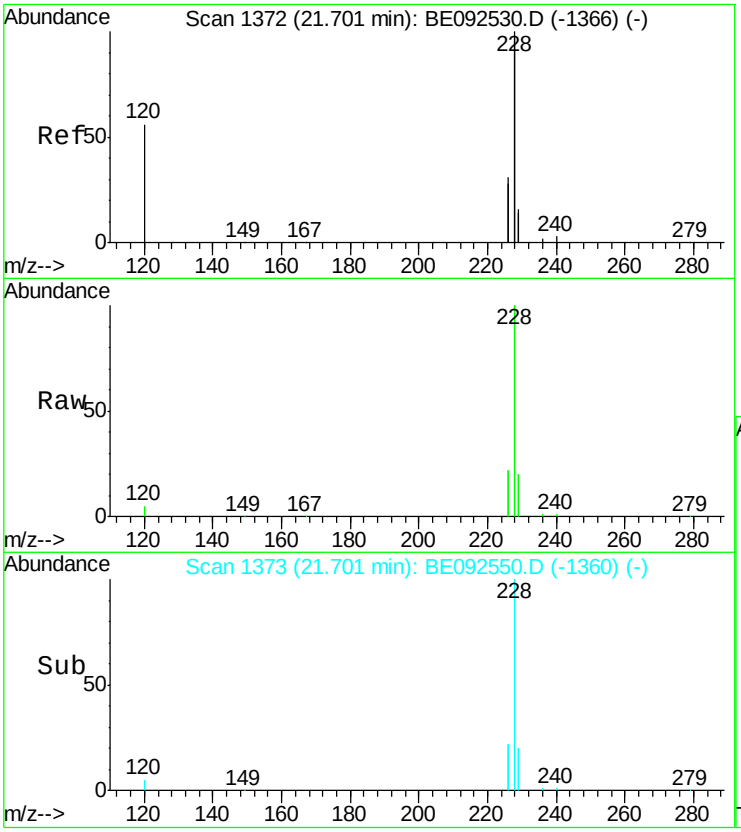


#26
Terphenyl-d14
Concen: 6.00 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#



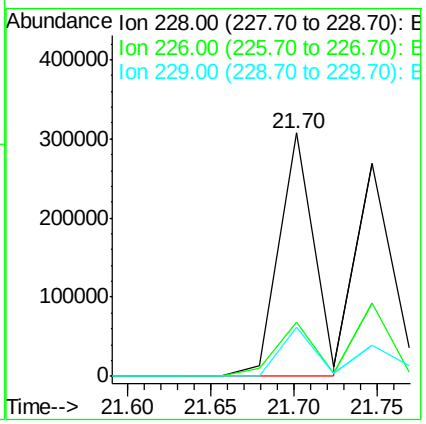


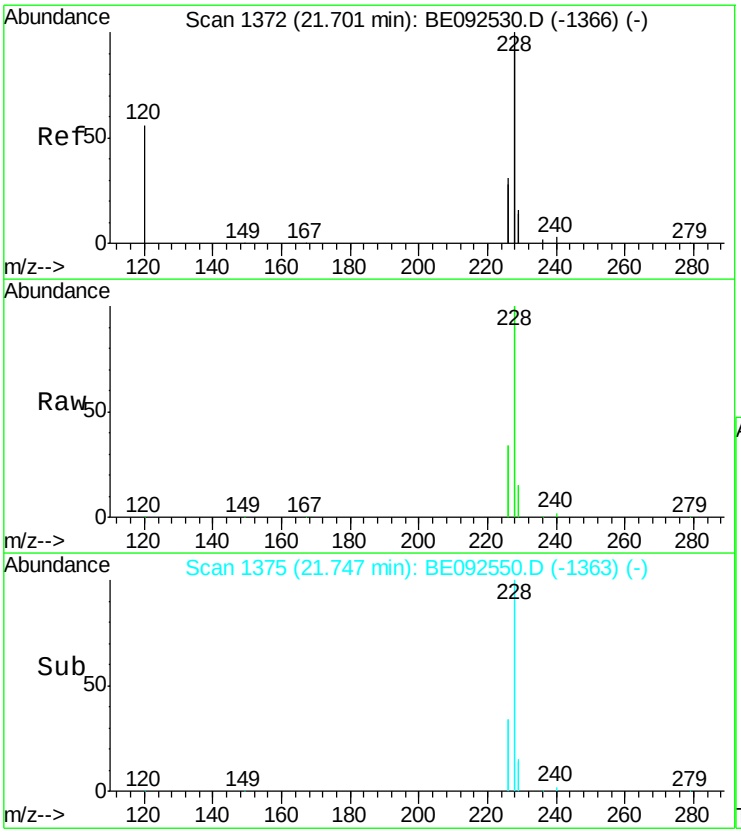
#27
Benzo(a)anthracene
Concen: 5.33 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Instrument :
BNA_E
ClientSampleId :
C19023041MSD

Tgt Ion:228 Resp: 452739

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

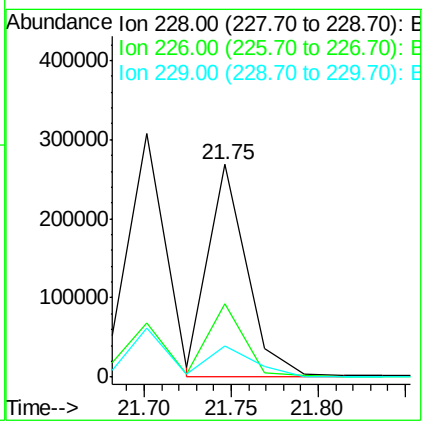


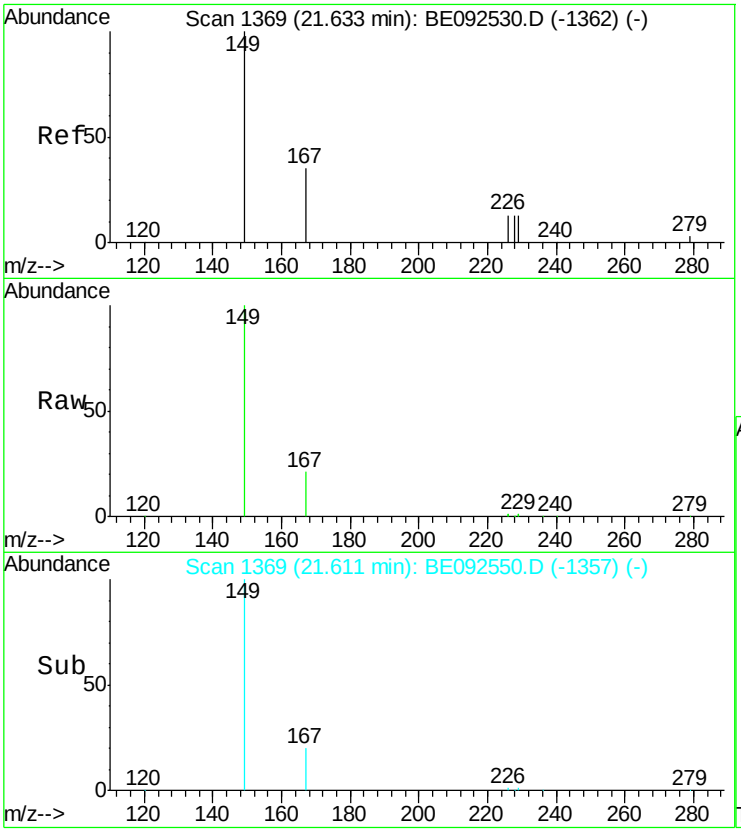


#28
Chrysene
Concen: 5.55 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

Tgt Ion:228 Resp: 422227

Ion	Ratio	Lower	Upper
228	100		
226	34.5	36.3	54.5#
229	14.6	10.6	16.0



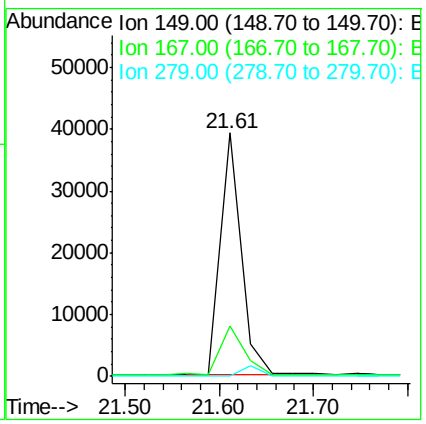


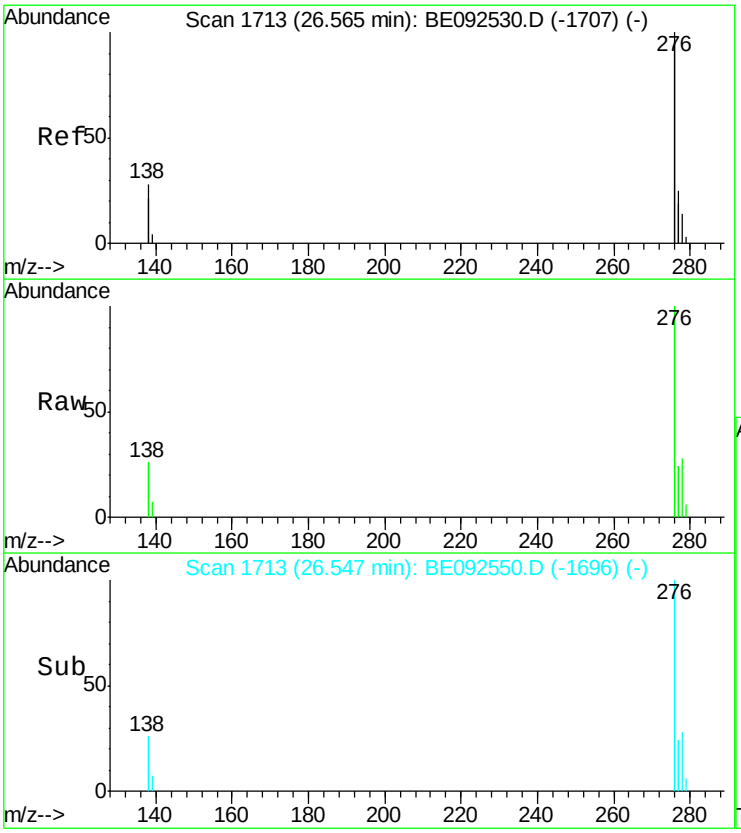
#29
Bis(2-ethylhexyl)phthalate
Concen: 10.29 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#

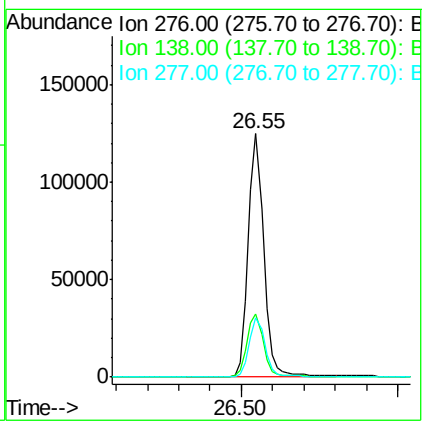


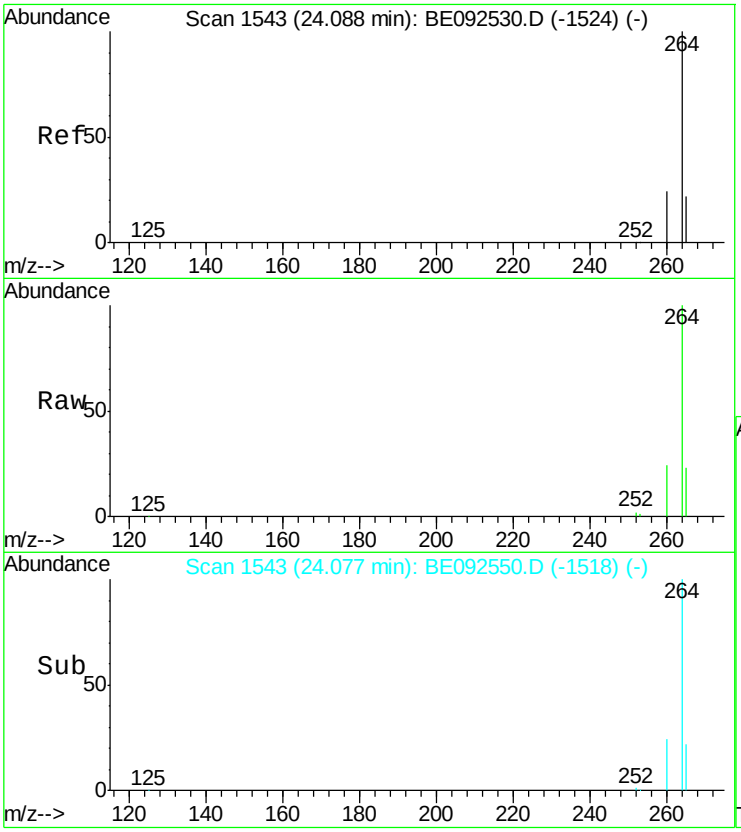


#30
Indeno(1,2,3-cd)pyrene
Concen: 5.13 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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



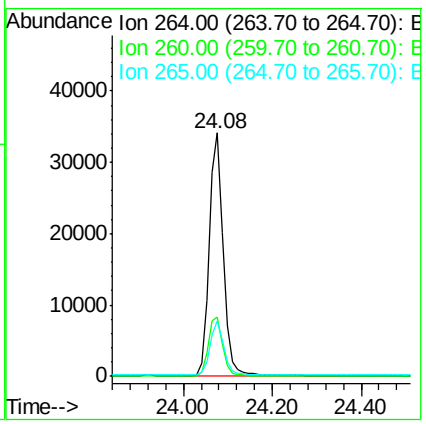


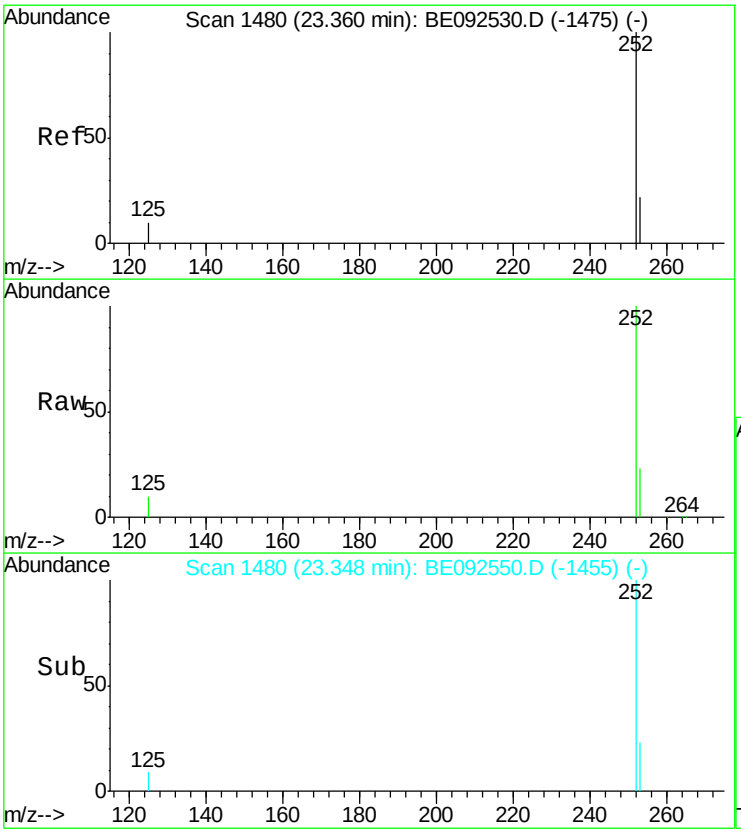
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

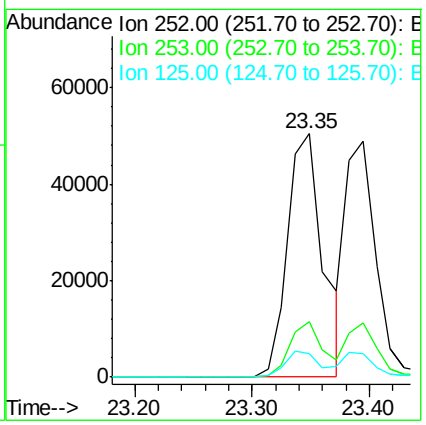


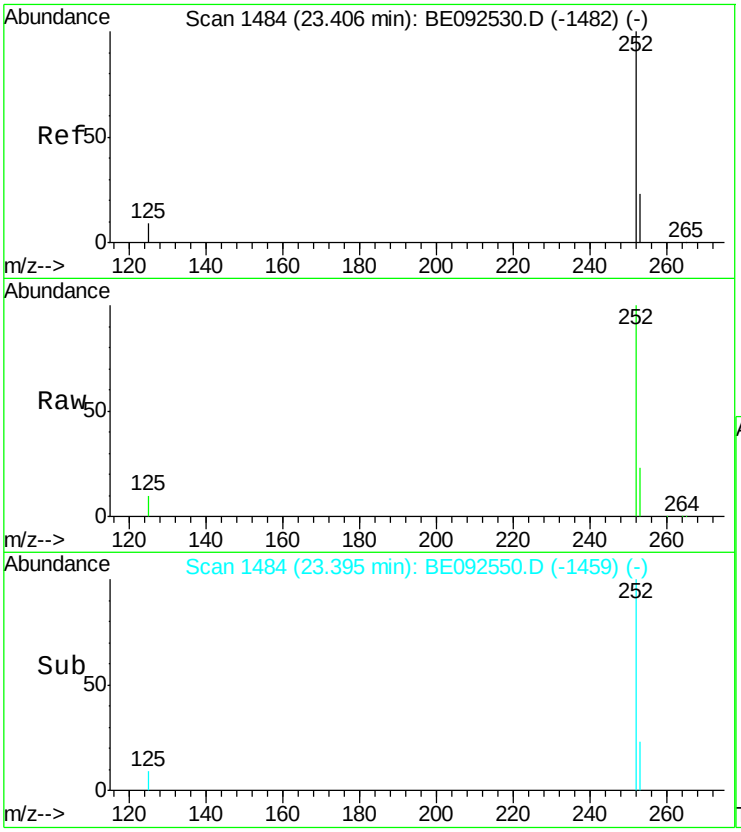


#32
Benzo(b)fluoranthene
Concen: 5.81 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#



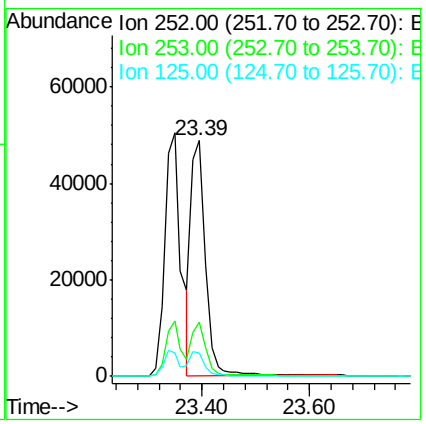


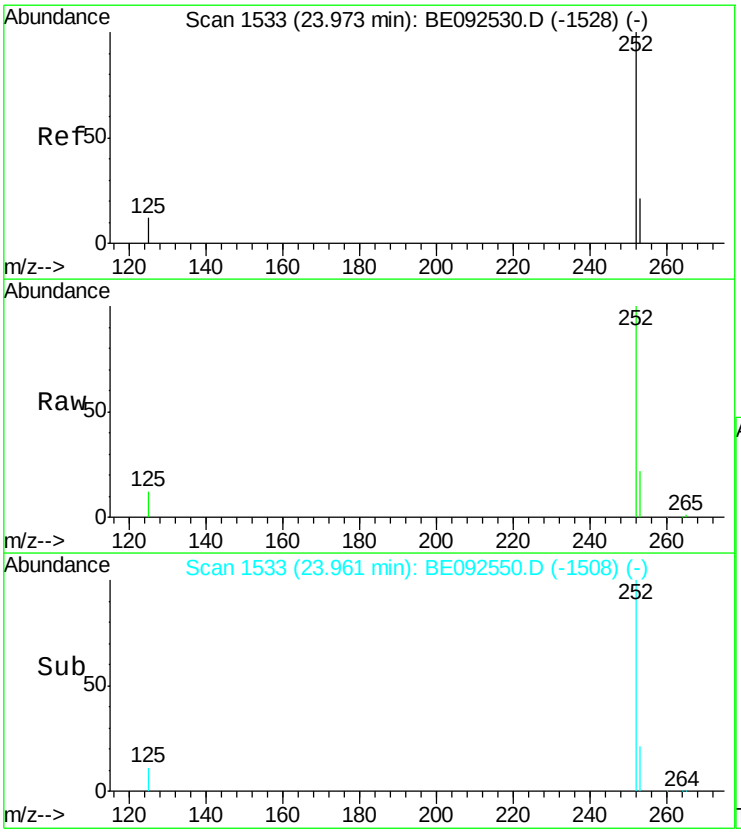
#33
Benzo(k)fluoranthene
Concen: 4.71 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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

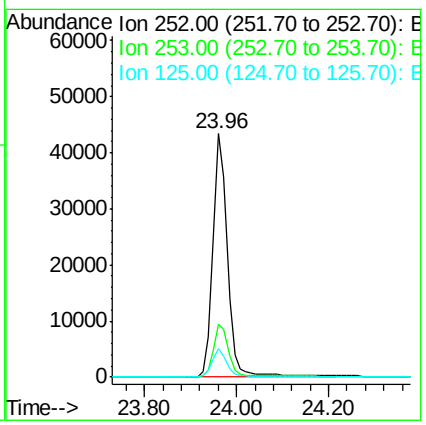


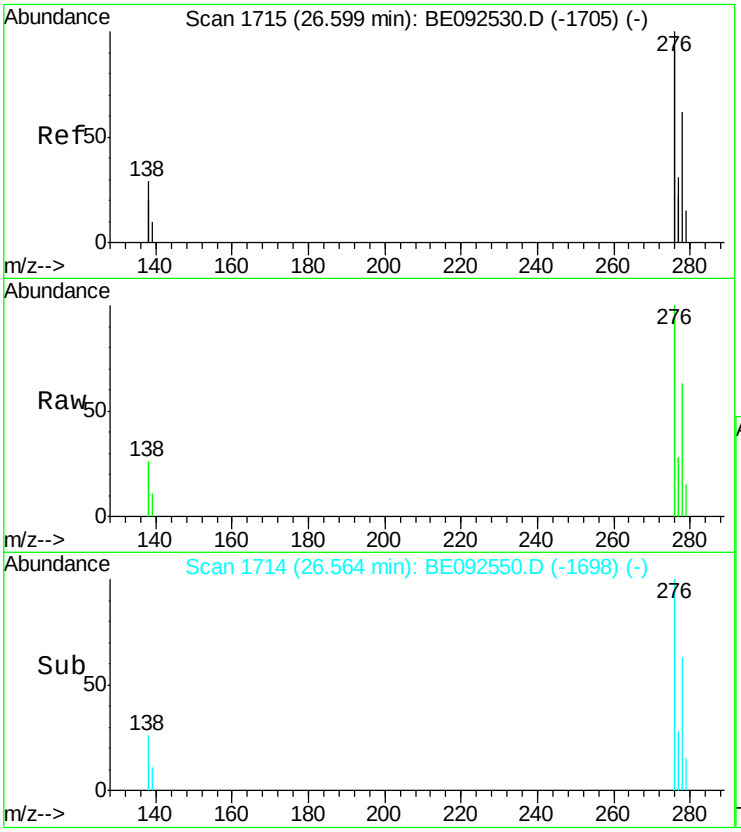


#34
Benzo(a)pyrene
Concen: 5.60 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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#



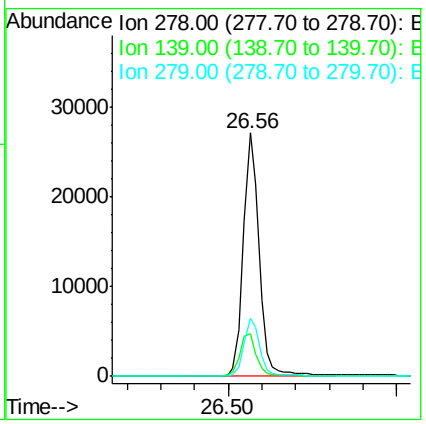


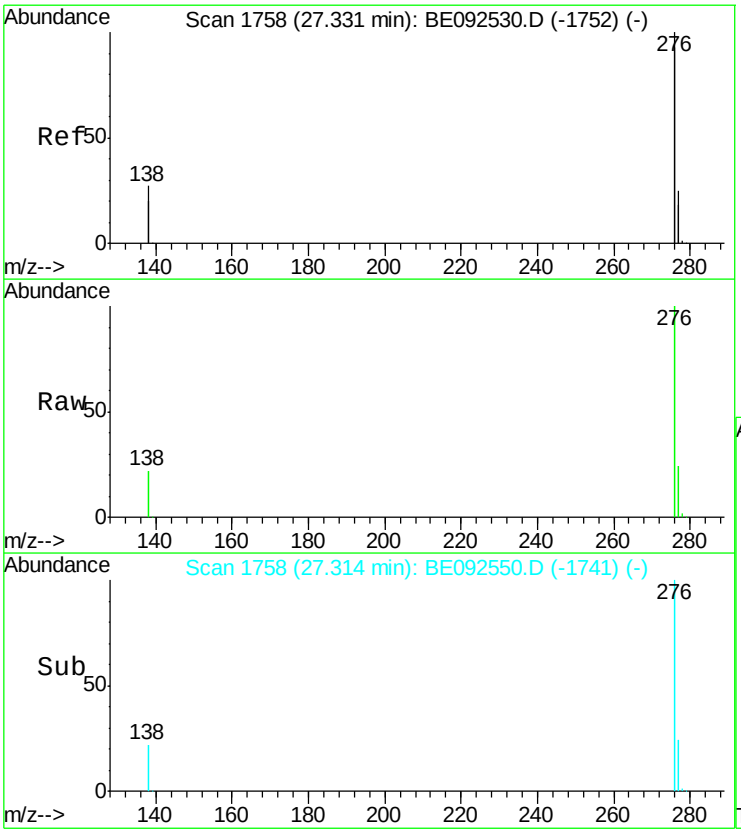
#35
Dibenzo(a,h)anthracene
Concen: 5.33 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.03 min
Lab File: BE092550.D
Acq: 17 Nov 2016 1:19

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