Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
Data File : BE092536.D
Acq On : 16 Nov 2016 15:22
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE111616

Quant Time: Nov 16 16:07:56 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	8.17	152	7288	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	34912	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	25043	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	54862	5.00	ng		0.00
24) Chrysene-d12	21.72	240	80211	5.00	ng		0.00
31) Perylene-d12	24.08	264	68082	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	489	0.40	ng		0.00
5) Phenol-d6	7.36	99	605	0.40	ng		0.00
8) Nitrobenzene-d5	9.36	82	705m	0.39	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	196	0.35	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2313	0.38	ng		0.00
26) Terphenyl-d14	20.17	244	3242	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	425	0.39	ng	#	95
3) n-Nitrosodimethylamine	3.78	42	326	0.44	ng	#	92
6) bis(2-Chloroethyl)ether	7.59	93	697	0.35	ng	#	80
9) Naphthalene	10.99	128	2848	0.40	ng		97
10) Hexachlorobutadiene	11.26	225	434	0.40	ng		99
11) 2-Methylnaphthalene	12.64	142	1723	0.37	ng		94
15) Acenaphthylene	14.51	152	12628	0.36	ng		100
16) Acenaphthene	14.87	154	2173	0.38	ng		96
17) Fluorene	15.86	166	2635	0.37	ng		99
19) Hexachlorobenzene	16.86	284	803m	0.37	ng		
20) Pentachlorophenol	17.23	266	144	0.43	ng		91
21) Phenanthrene	17.60	178	4778	0.39	ng		95
22) Anthracene	17.69	178	4456	0.39	ng		99
23) Fluoranthene	19.59	202	21727	0.38	ng		100
25) Pyrene	19.95	202	22886	0.36	ng		99
27) Benzo(a)anthracene	21.70	228	26532m	0.44	ng		
28) Chrysene	21.75	228	29105m	0.43	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	1816	0.46	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.57	276	27195	0.41	ng		98
32) Benzo(b)fluoranthene	23.36	252	6458	0.39	ng		97
33) Benzo(k)fluoranthene	23.41	252	6196	0.36	ng		100
34) Benzo(a)pyrene	23.97	252	5557	0.36	ng		98
35) Dibenzo(a,h)anthracene	26.60	278	5461	0.36	ng		98
36) Benzo(g,h,i)perylene	27.33	276	23797	0.37	ng		98

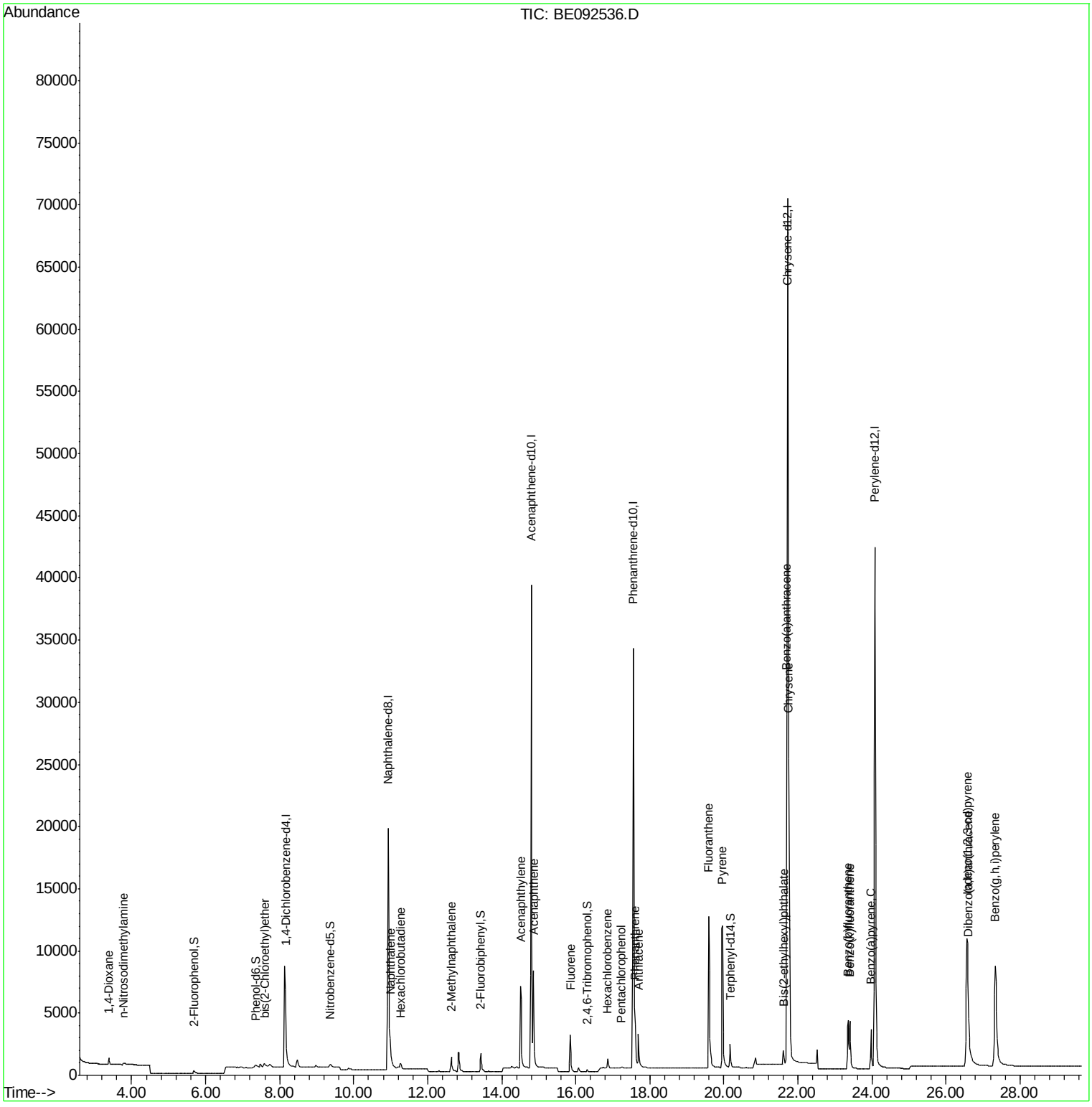
(#) = qualifier out of range (m) = manual integration (+) = signals summed

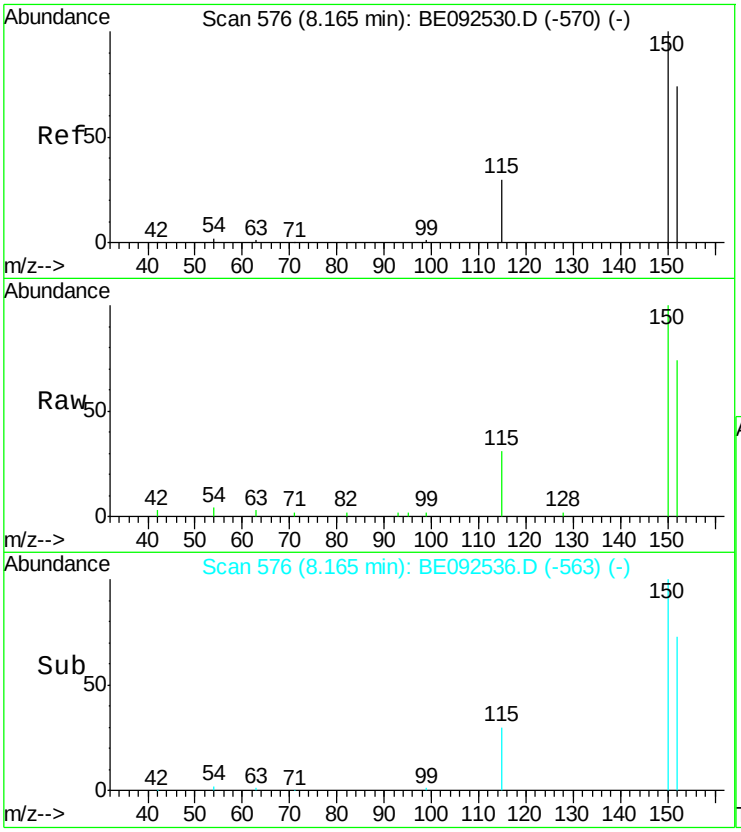
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
Data File : BE092536.D
Acq On : 16 Nov 2016 15:22
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Quant Time: Nov 16 16:07:56 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



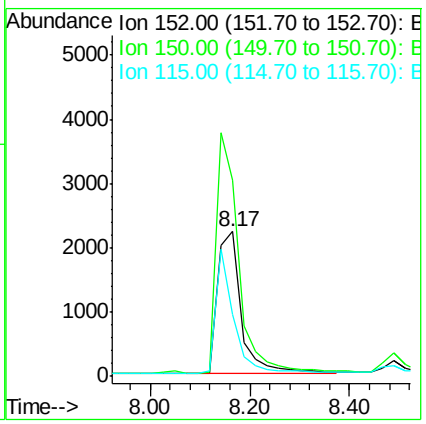


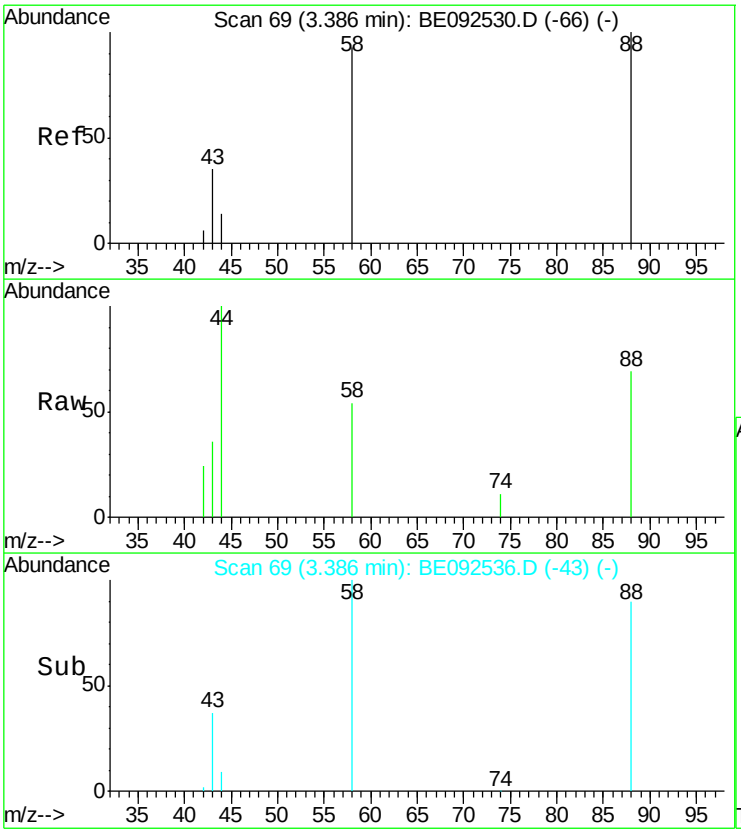
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:152 Resp: 7288

Ion	Ratio	Lower	Upper
152	100		
150	135.2	106.0	159.0
115	42.4	31.2	46.8

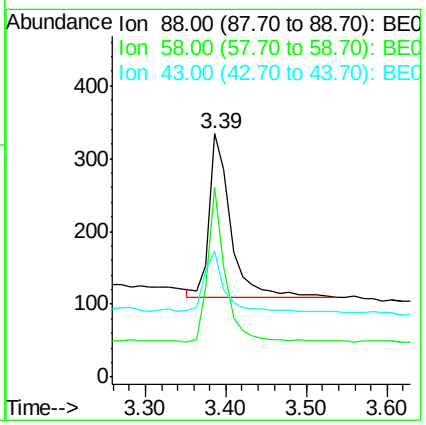


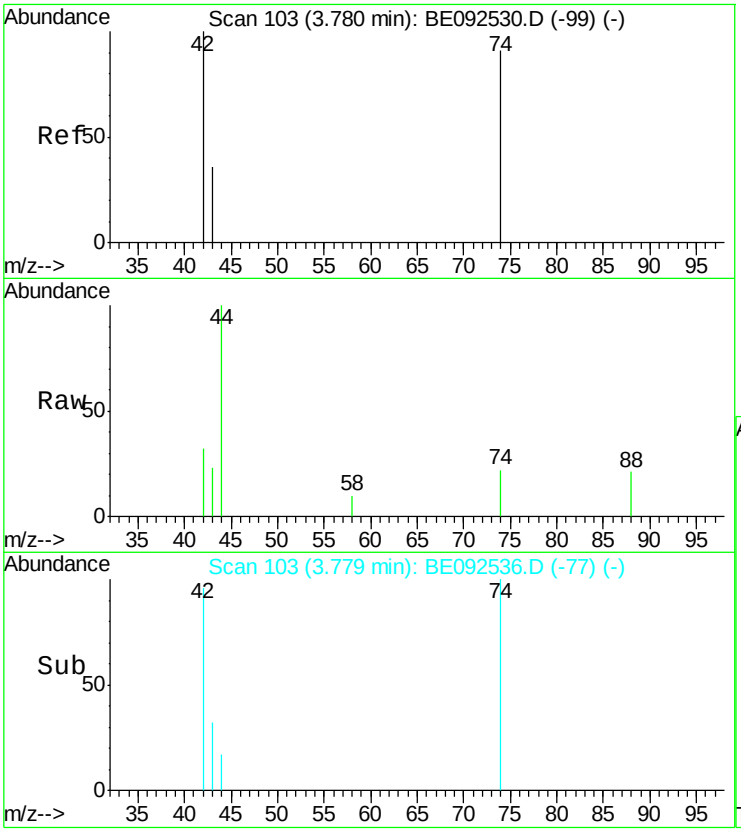


#2
1,4-Dioxane
Concen: 0.39 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion: 88 Resp: 425

Ion	Ratio	Lower	Upper
88	100		
58	77.6	63.6	95.4
43	42.6	28.0	42.0#



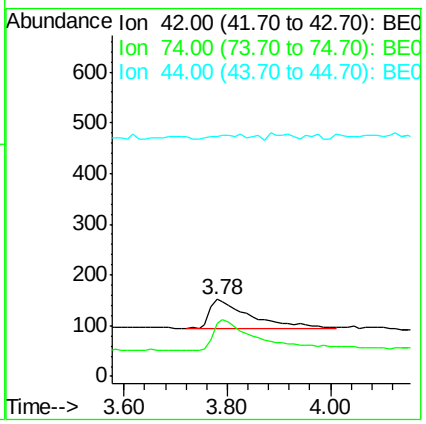


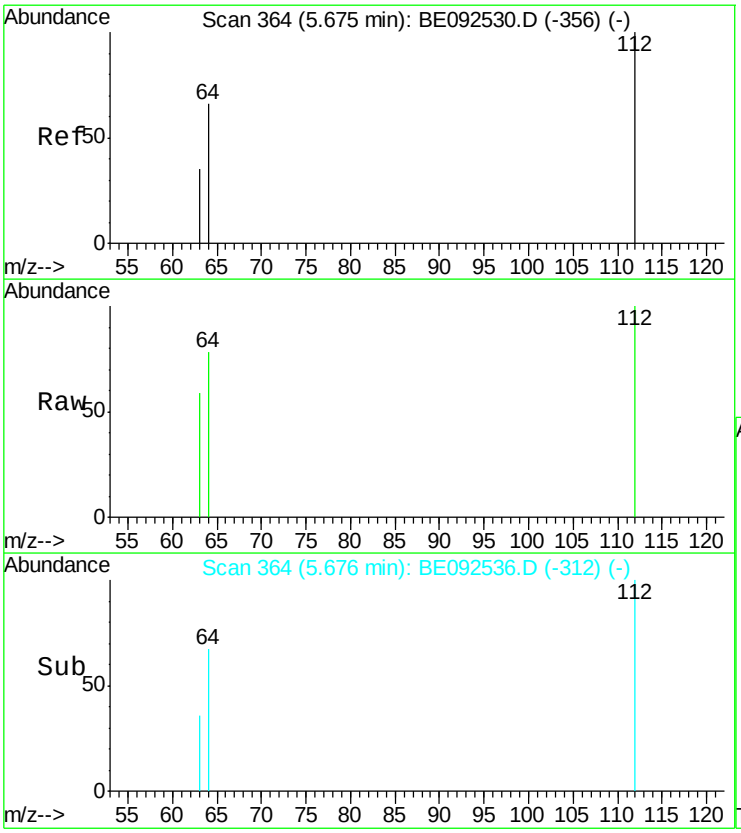
#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.78 min Scan# 103
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion: 42 Resp: 326

Ion	Ratio	Lower	Upper
42	100		
74	115.0	86.0	129.0
44	0.0	5.1	7.7#

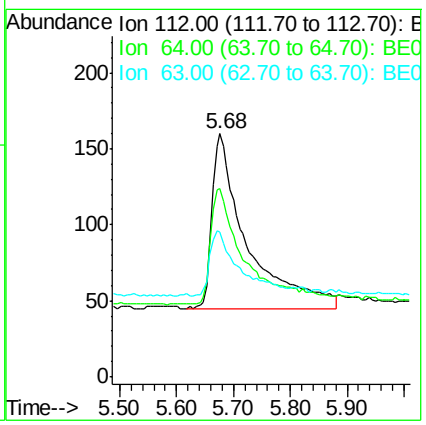


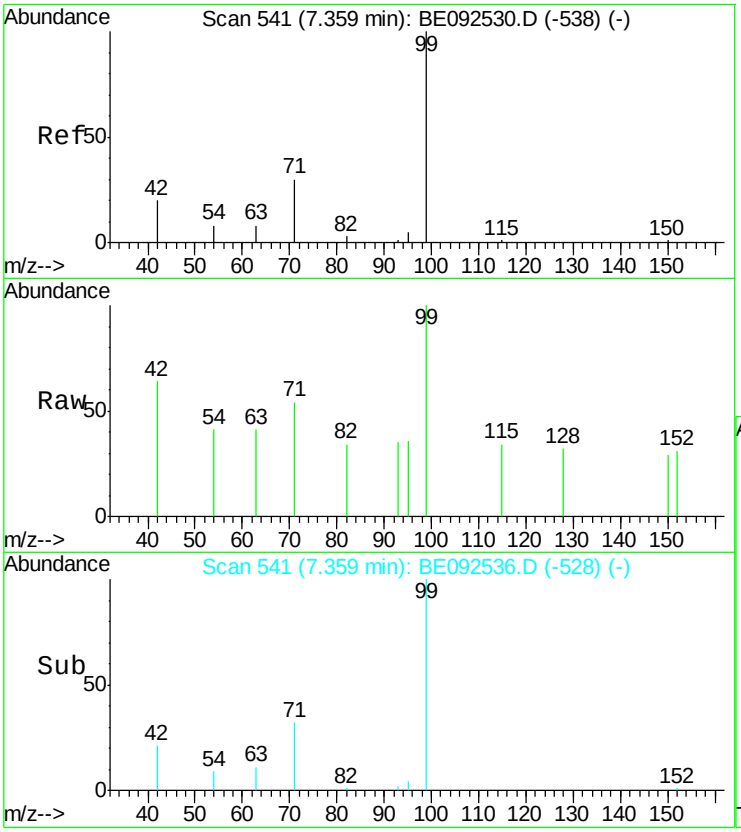


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.68 min Scan# 364
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:112 Resp: 489

Ion	Ratio	Lower	Upper
112	100		
64	66.1	53.5	80.3
63	32.7	27.9	41.9



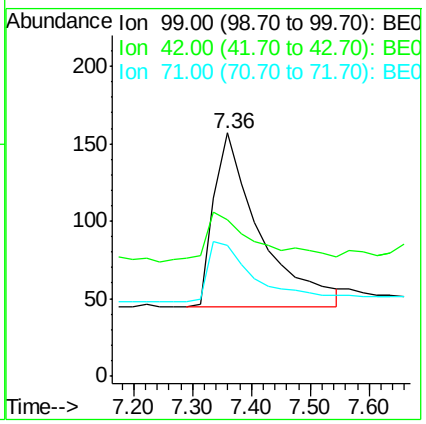


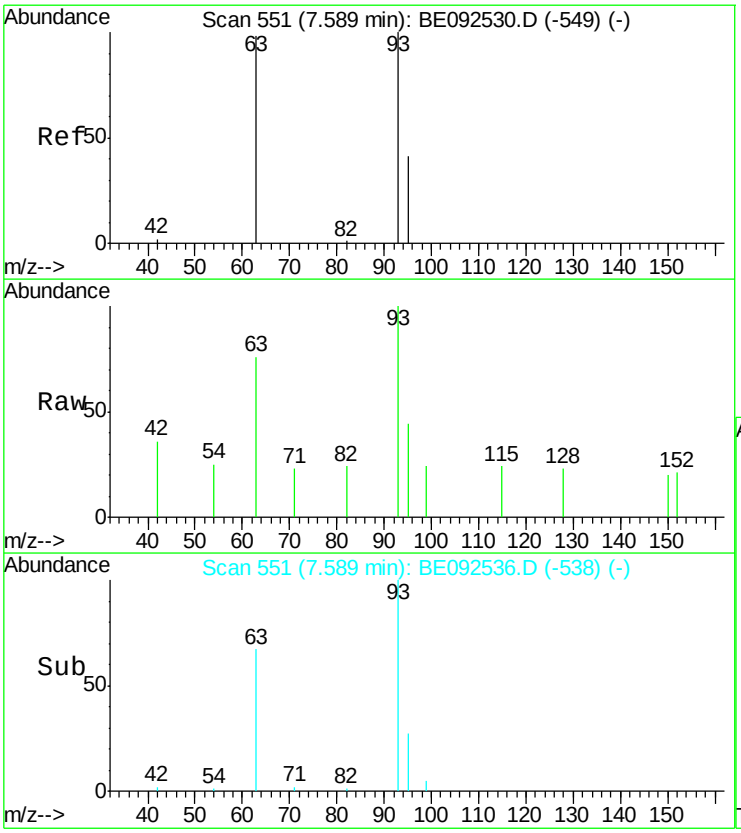
#5
Phenol-d6
Concen: 0.40 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion: 99 Resp: 605

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

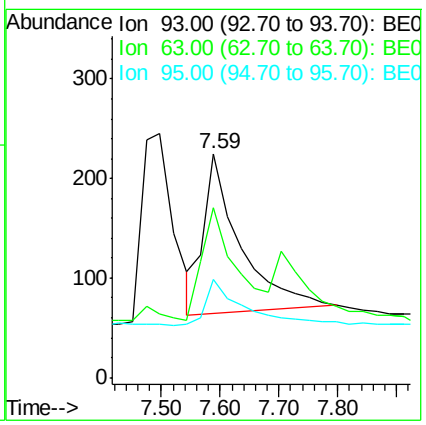


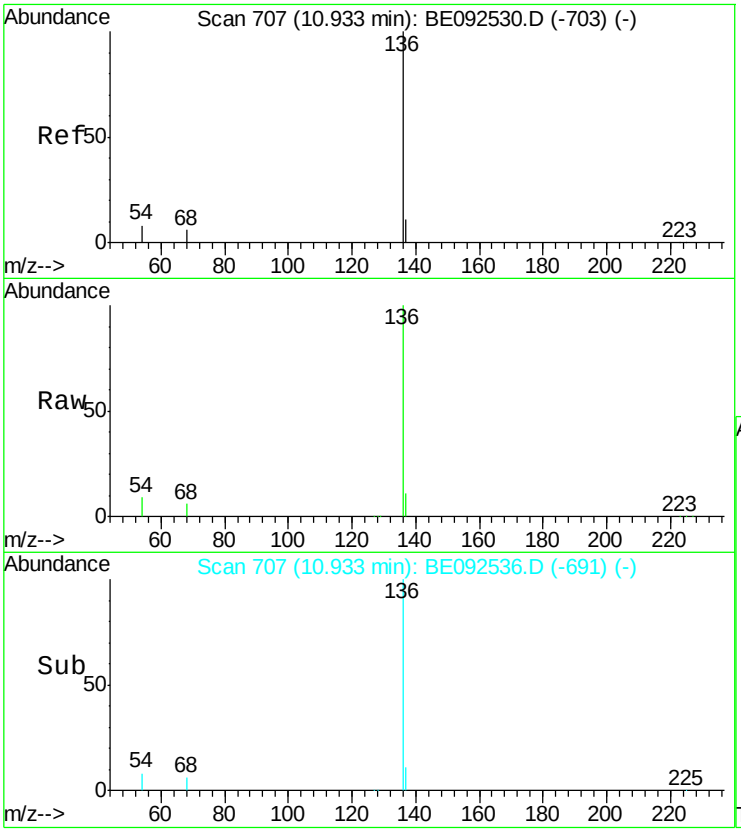


#6
bis(2-Chloroethyl)ether
Concen: 0.35 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion: 93 Resp: 697

Ion	Ratio	Lower	Upper
93	100		
63	64.8	71.6	107.4#
95	30.3	24.0	36.0



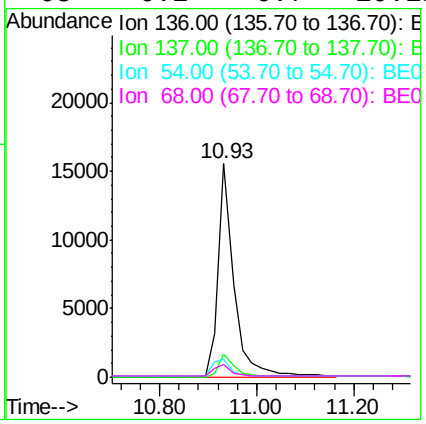


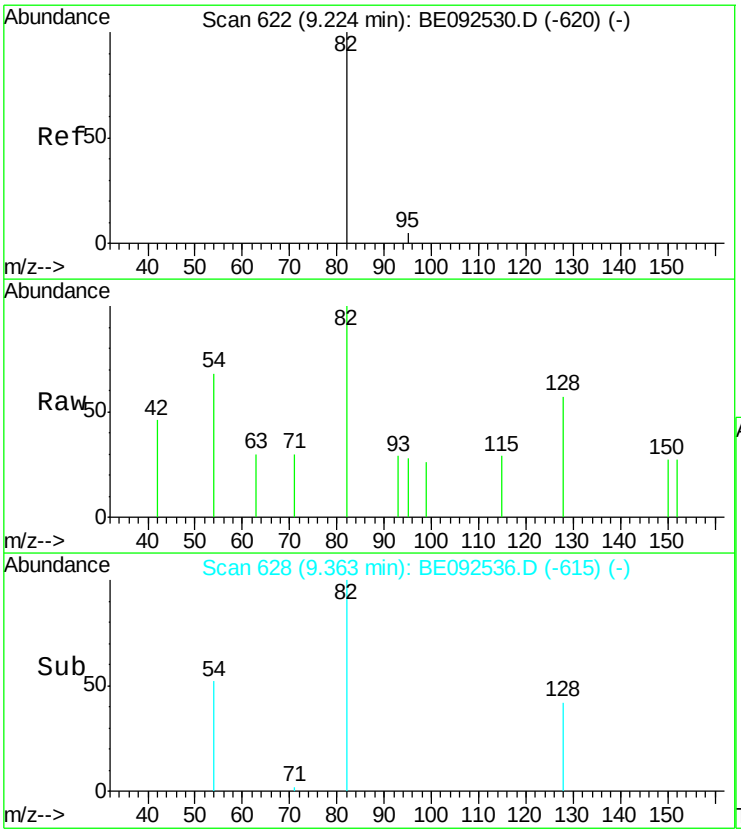
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:136 Resp: 34912

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.6	9.6	14.4#
68	6.2	6.7	10.1#

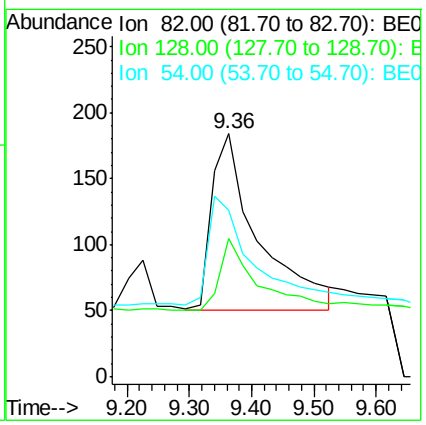


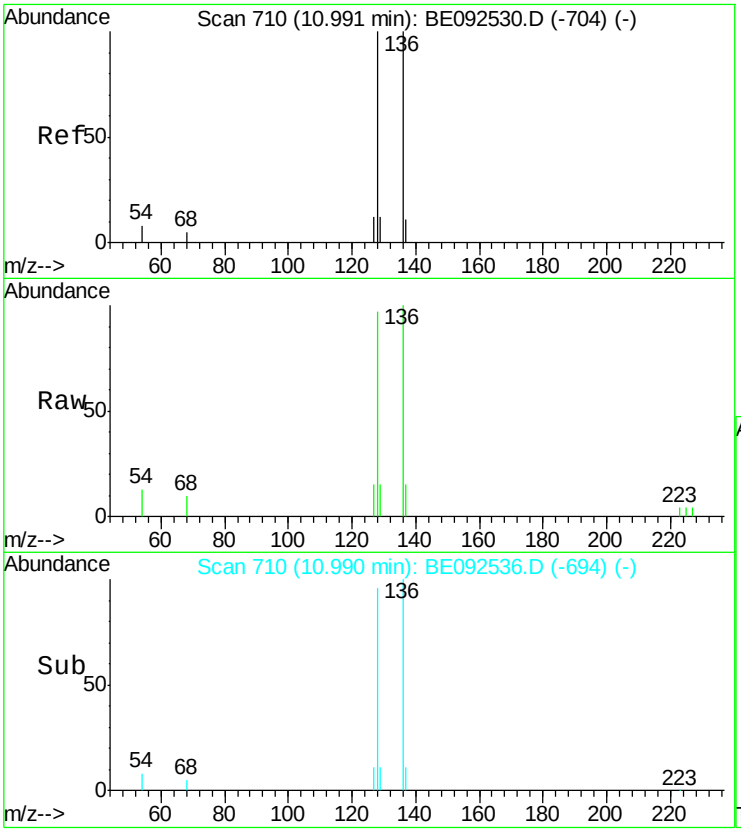


#8
Nitrobenzene-d5
Concen: 0.39 ng m
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion: 82 Resp: 705

Ion	Ratio	Lower	Upper
82	100		
128	57.1	39.0	58.4
54	68.5	44.8	67.2#



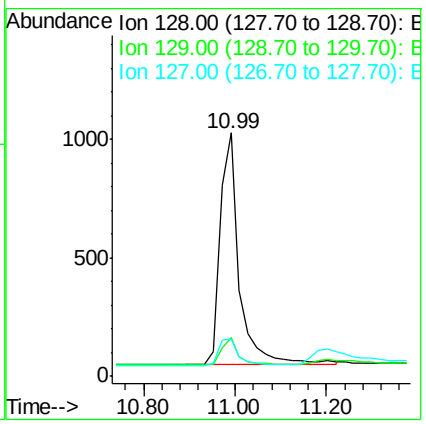


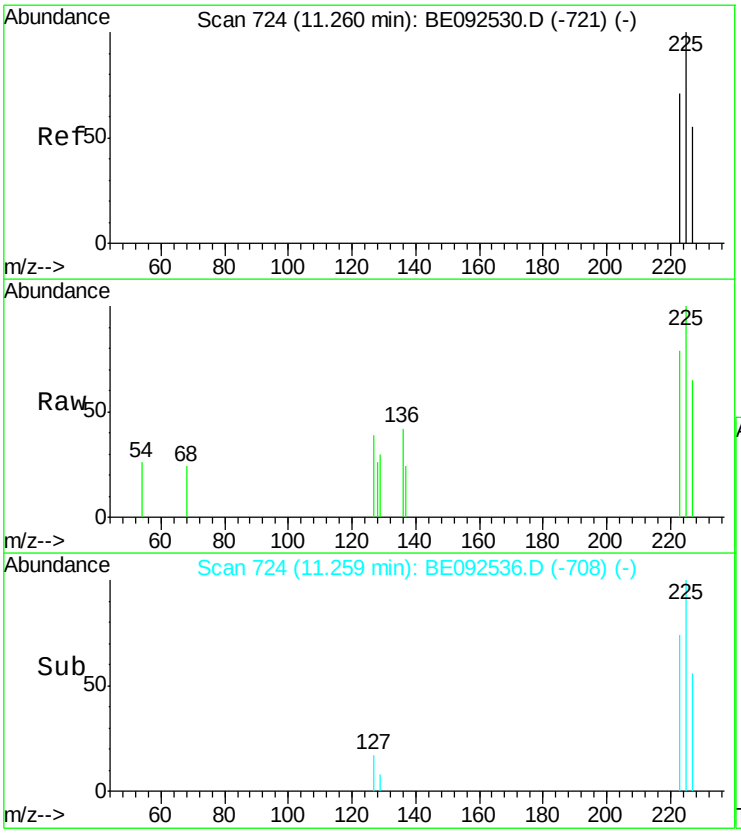
#9
Naphthalene
Concen: 0.40 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:128 Resp: 2848

Ion	Ratio	Lower	Upper
128	100		
129	15.9	11.2	16.8
127	15.5	11.6	17.4

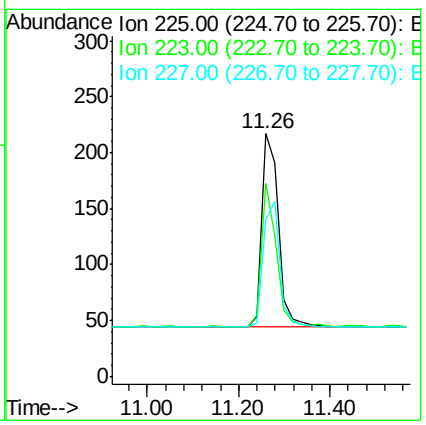


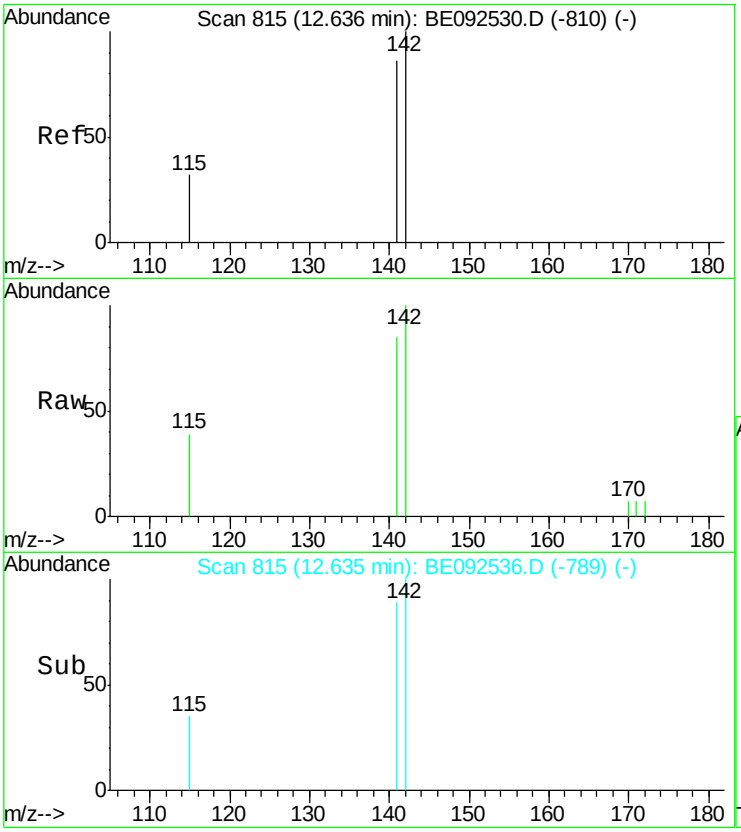


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:225 Resp: 434

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.6	76.0
227	65.2	51.4	77.0



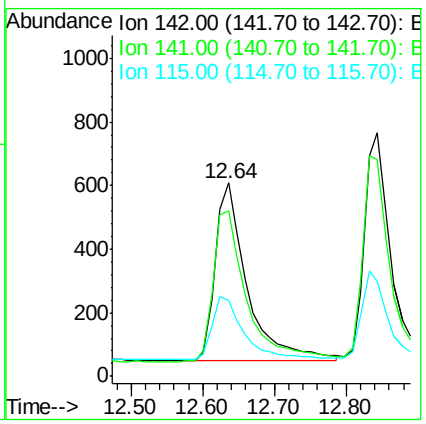


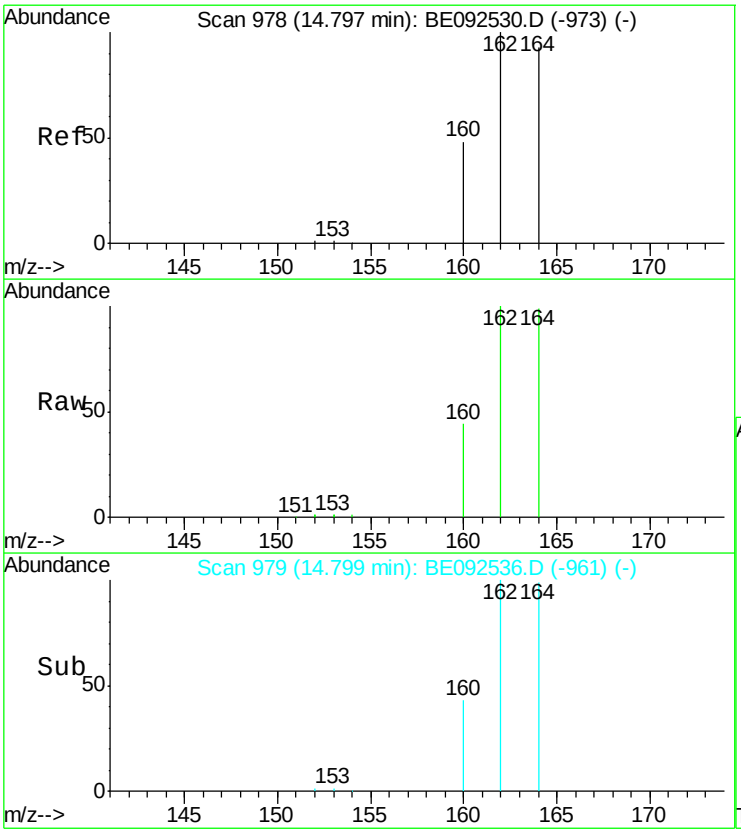
#11
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:142 Resp: 1723

Ion	Ratio	Lower	Upper
142	100		
141	85.4	73.7	110.5
115	39.1	34.0	51.0

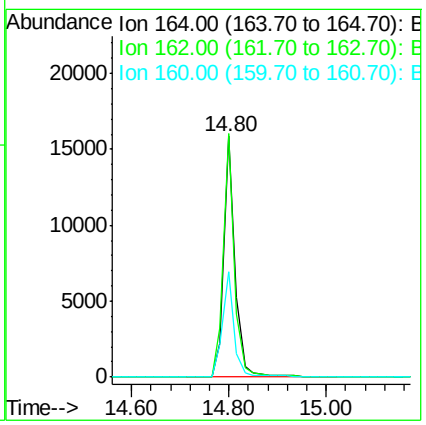


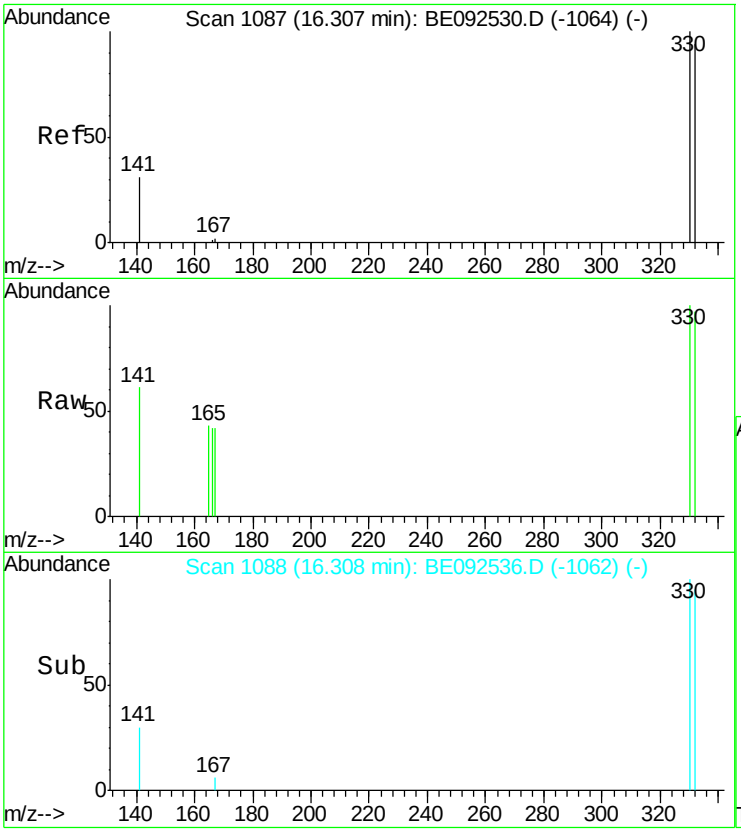


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:164 Resp: 25043

Ion	Ratio	Lower	Upper
164	100		
162	101.1	71.4	107.0
160	44.0	27.4	41.2#



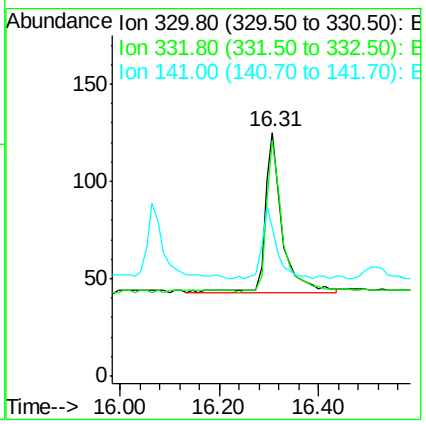


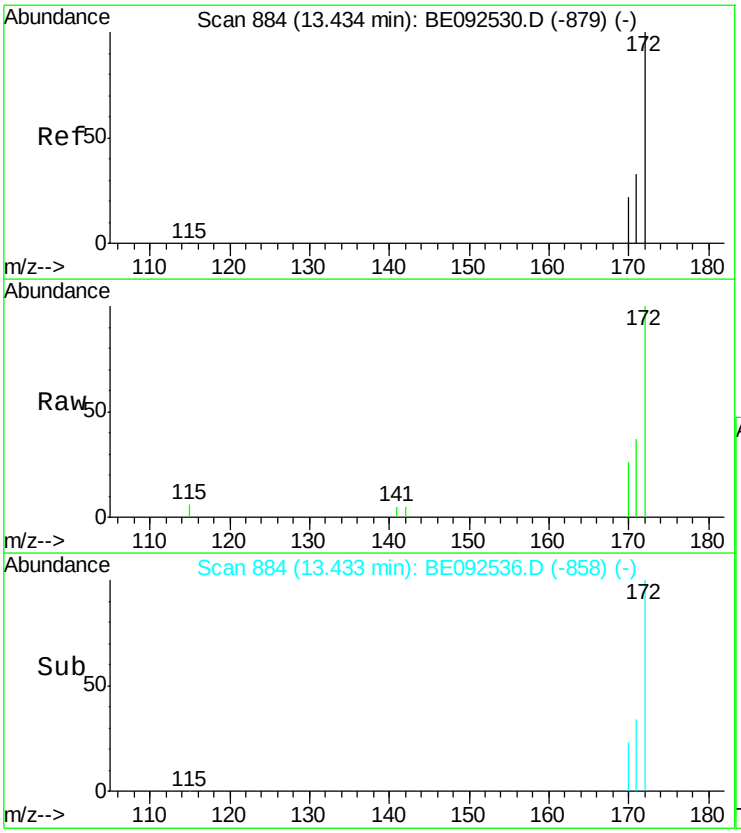
#13
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:330 Resp: 196

Ion	Ratio	Lower	Upper
330	100		
332	90.3	75.4	113.0
141	38.8	31.0	46.6

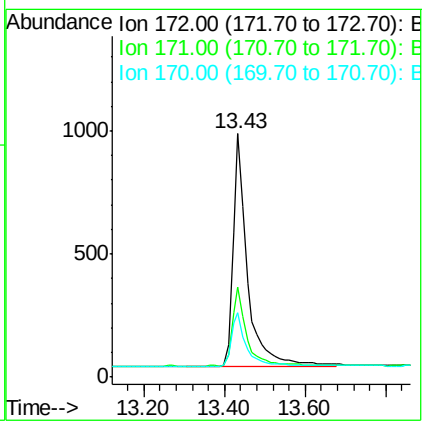


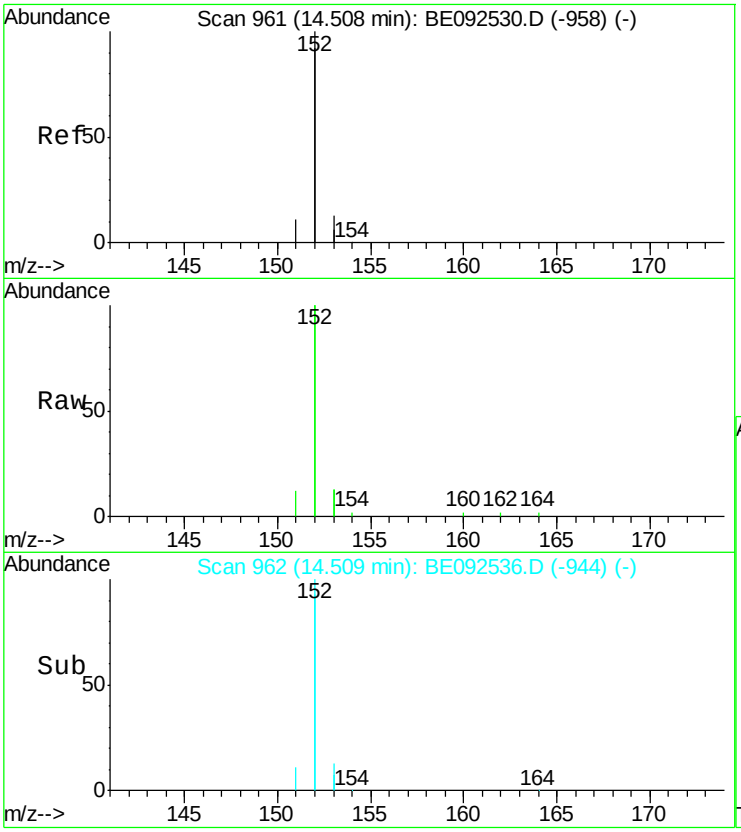


#14
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:172 Resp: 2313

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.1	45.1
170	26.4	21.8	32.6



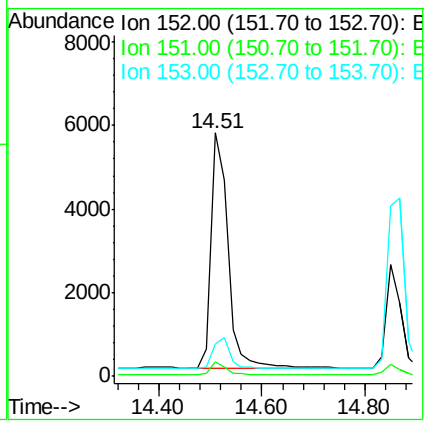


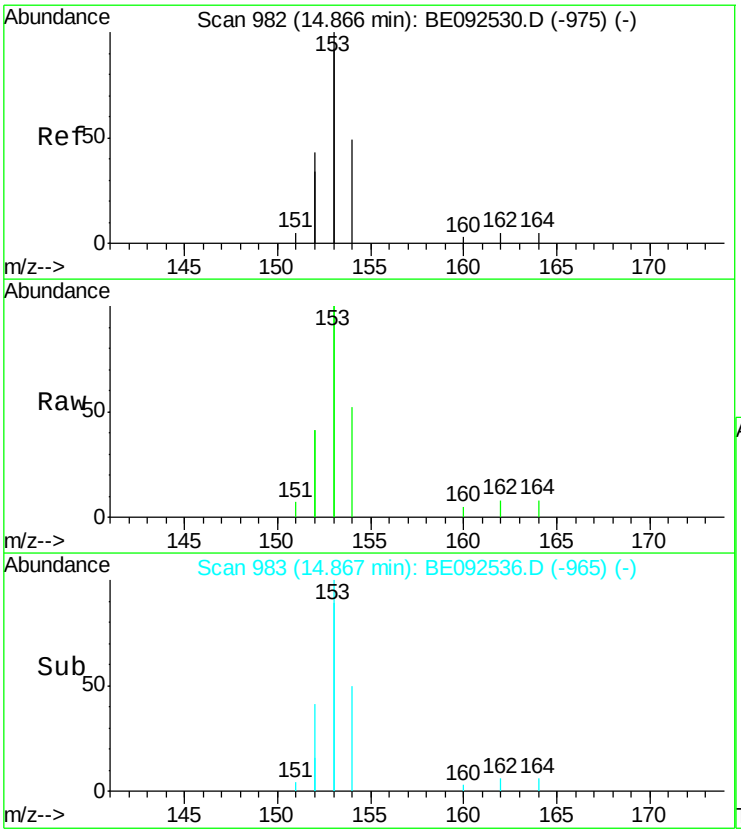
#15
Acenaphthylene
Concen: 0.36 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:152 Resp: 12628

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

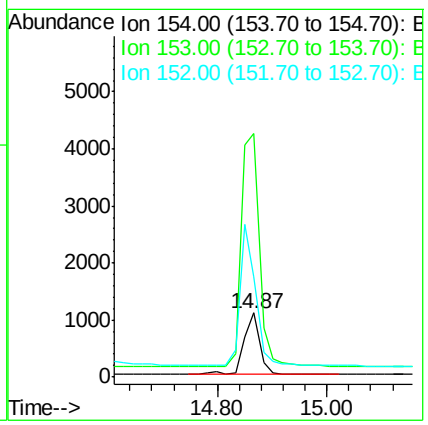


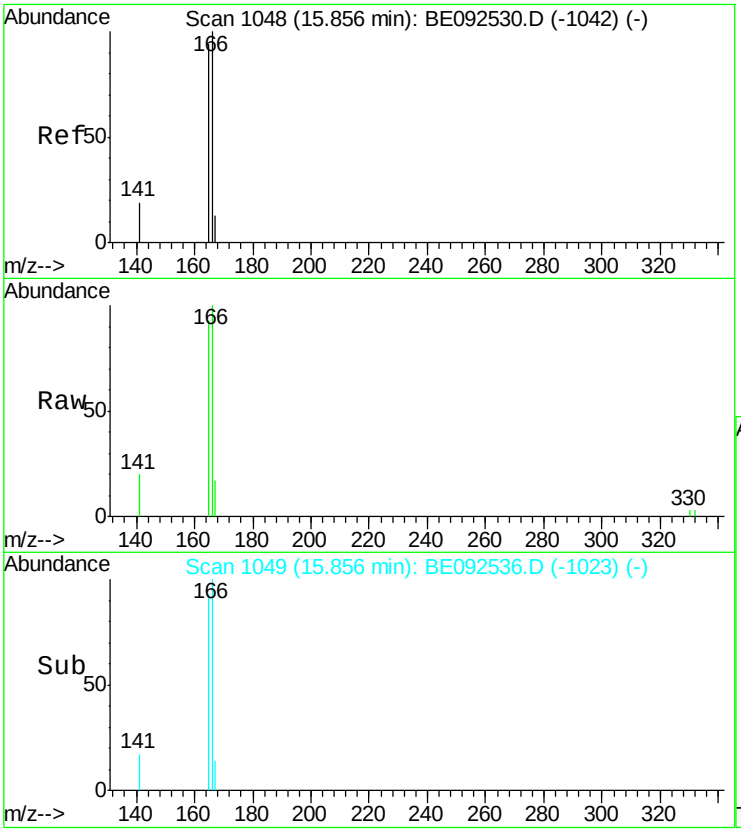


#16
Acenaphthene
Concen: 0.38 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:154 Resp: 2173

Ion	Ratio	Lower	Upper
154	100		
153	432.6	350.8	526.2
152	225.3	171.1	256.7



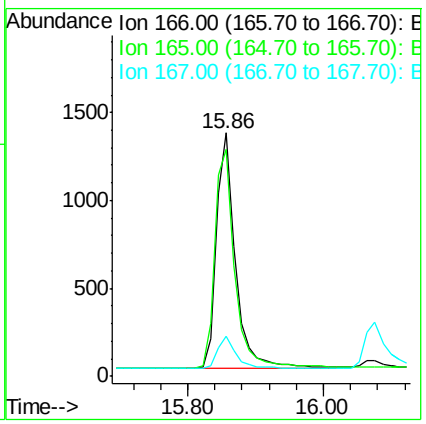


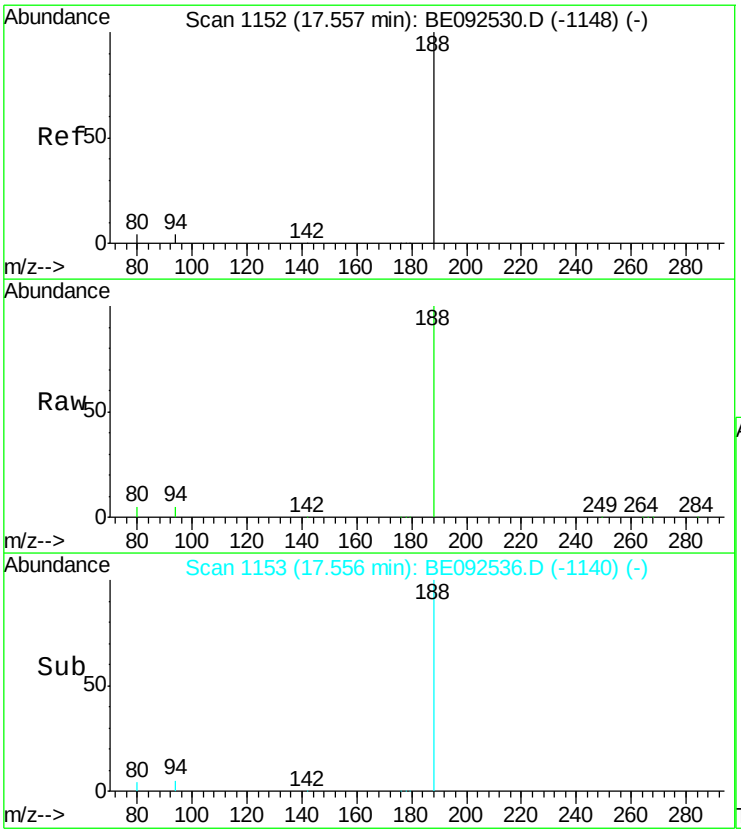
#17
Fluorene
Concen: 0.37 ng
RT: 15.86 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:166 Resp: 2635

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.2	117.4
167	13.4	11.0	16.4

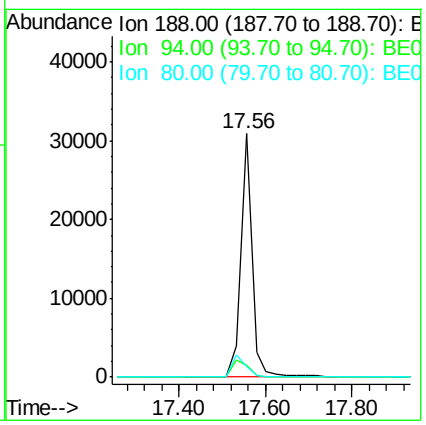


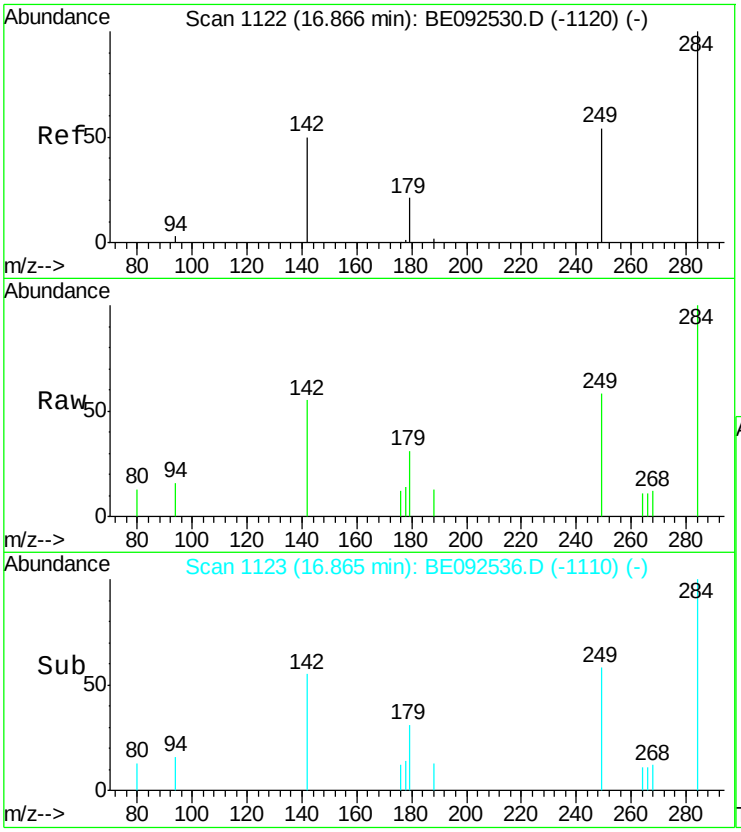


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:188 Resp: 54862

Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.2	4.8#
80	4.6	2.6	3.8#



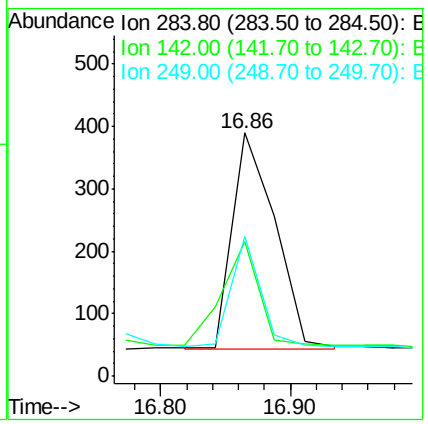


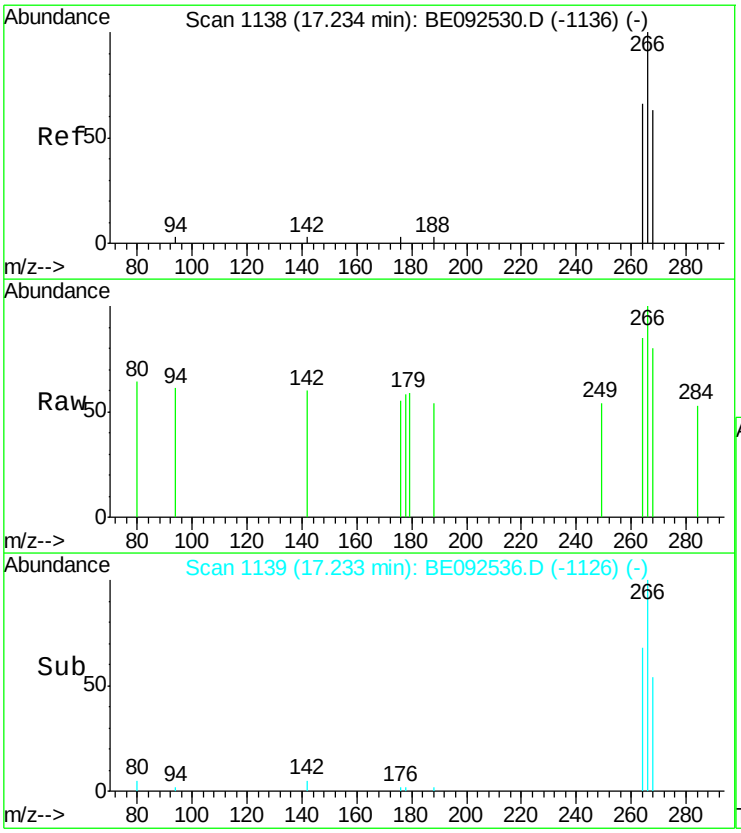
#19
Hexachlorobenzene
Concen: 0.37 ng m
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:284 Resp: 803

Ion	Ratio	Lower	Upper
284	100		
142	62.0	29.1	43.7#
249	59.0	27.9	41.9#

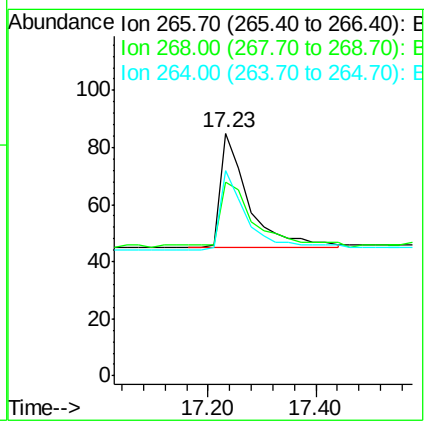


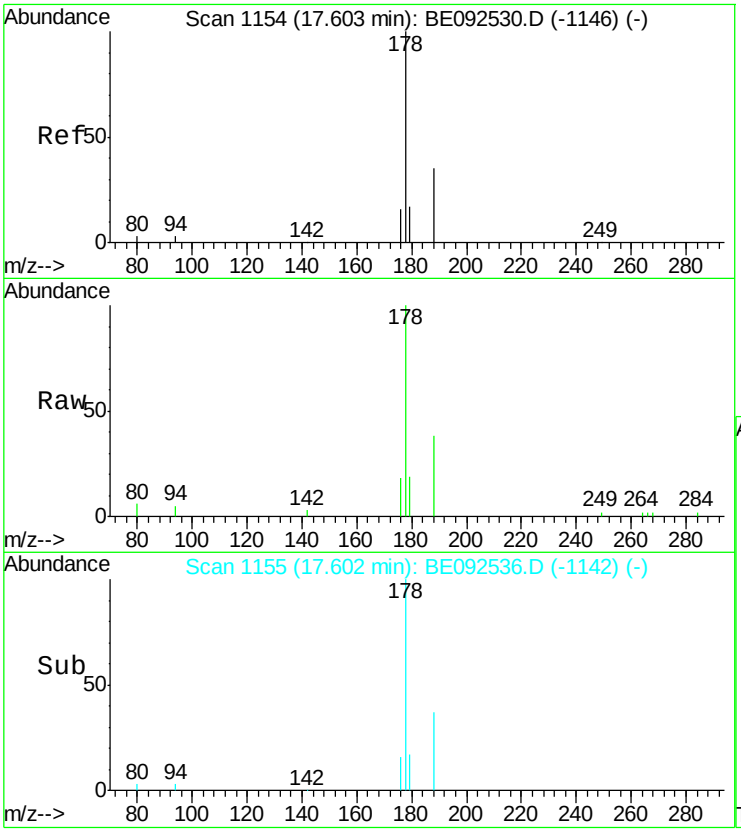


#20
Pentachlorophenol
Concen: 0.43 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:266 Resp: 144

Ion	Ratio	Lower	Upper
266	100		
268	80.0	62.5	93.7
264	84.7	57.2	85.8



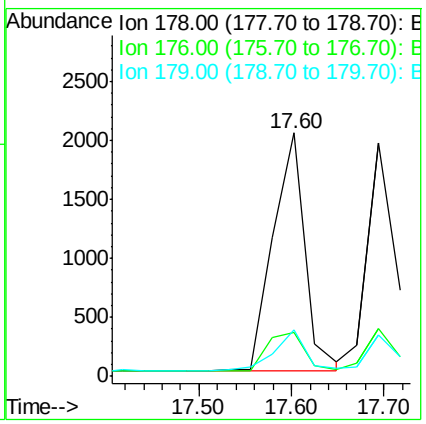


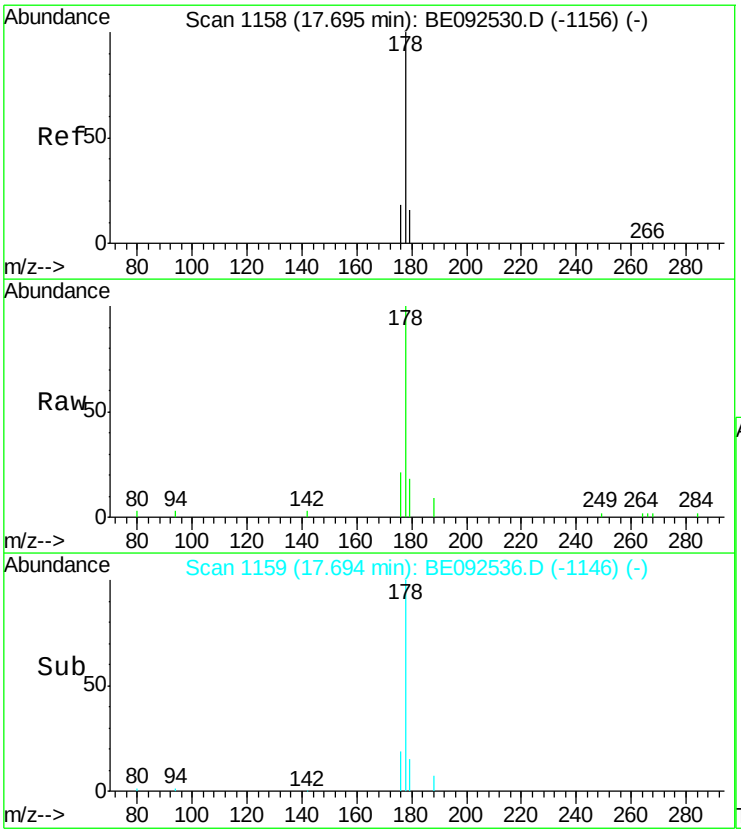
#21
Phenanthrene
Concen: 0.39 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:178 Resp: 4778

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.3	16.0	24.0

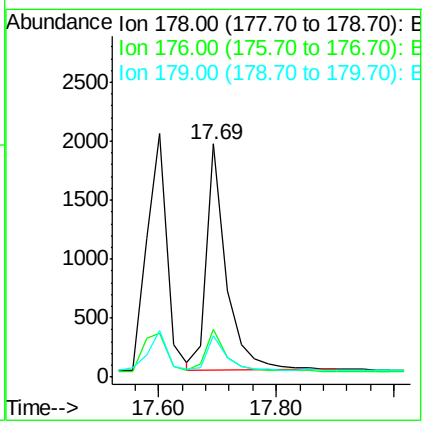


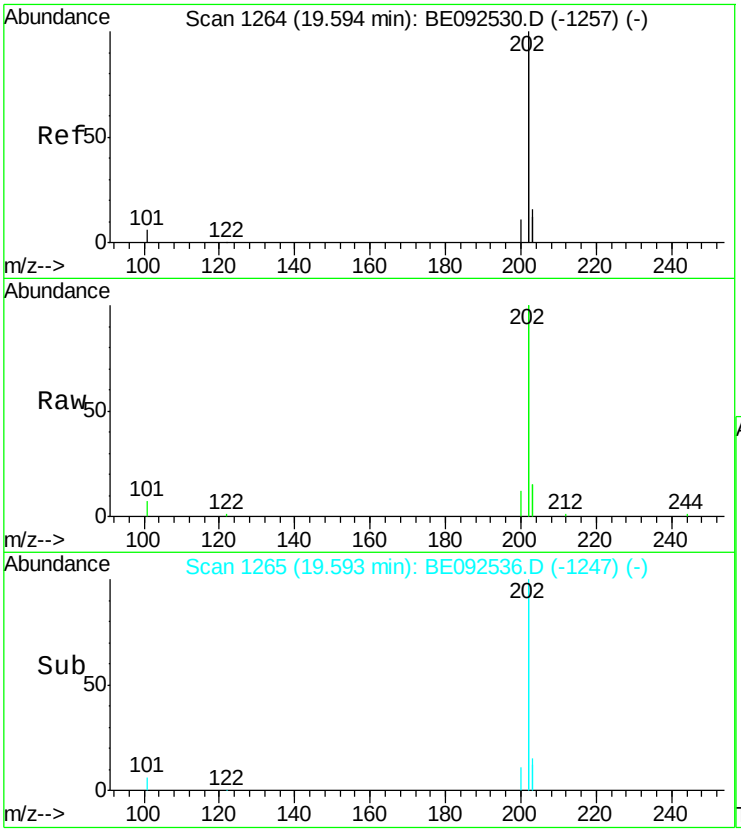


#22
Anthracene
Concen: 0.39 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:178 Resp: 4456

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	16.2	12.2	18.2



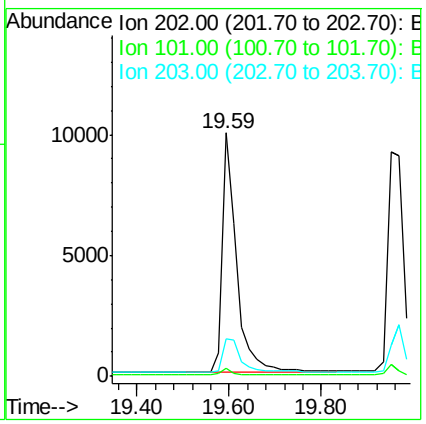


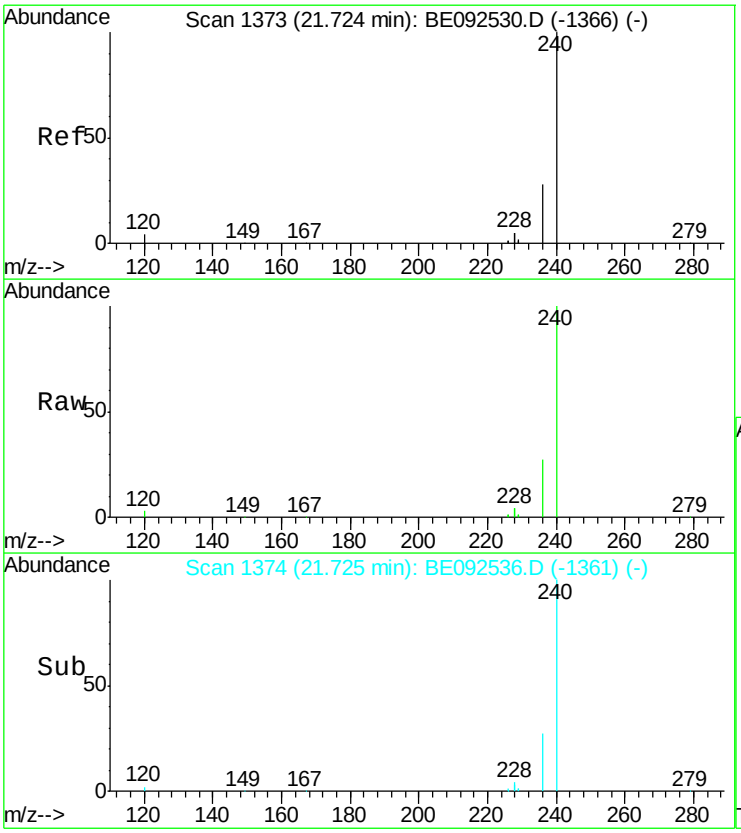
#23
Fluoranthene
Concen: 0.38 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:202 Resp: 21727

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

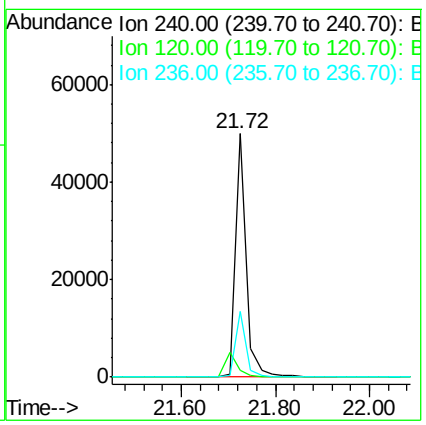


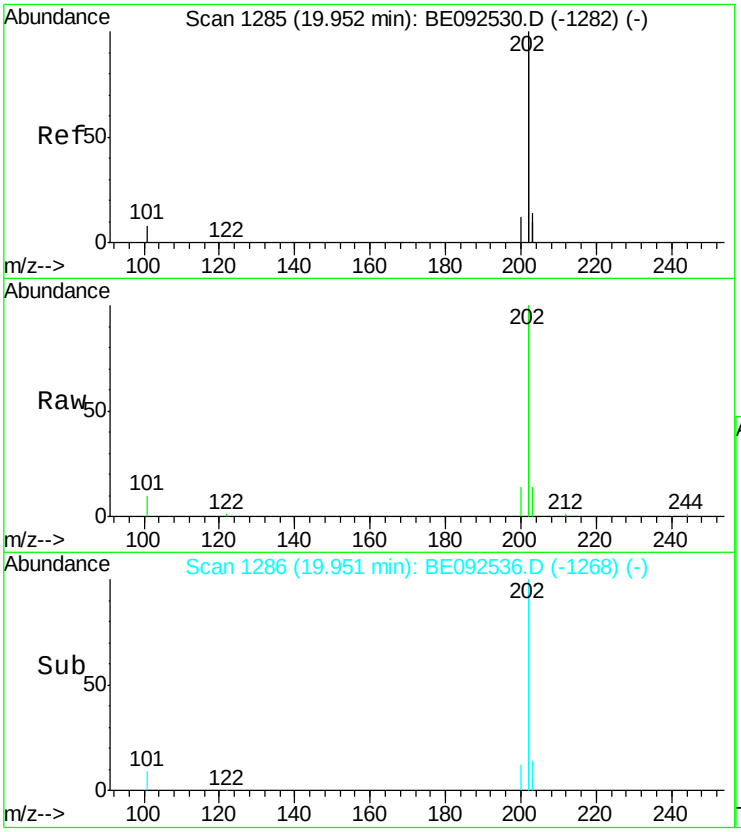


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:240 Resp: 80211

Ion	Ratio	Lower	Upper
240	100		
120	2.6	2.6	4.0#
236	27.1	24.6	37.0



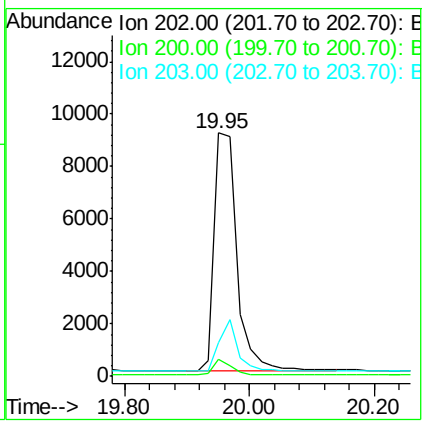


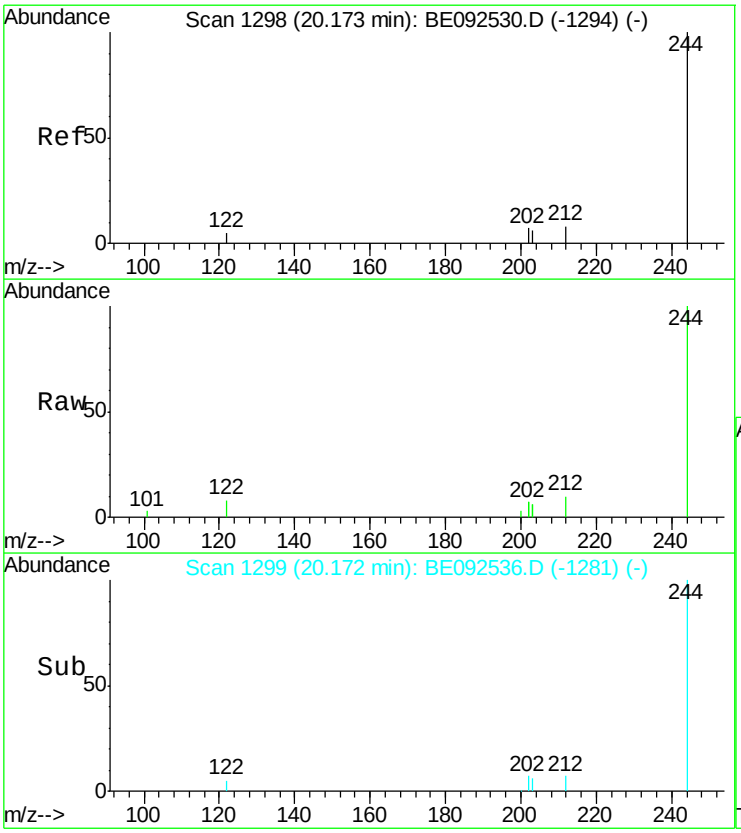
#25
Pyrene
Concen: 0.36 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:202 Resp: 22886

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

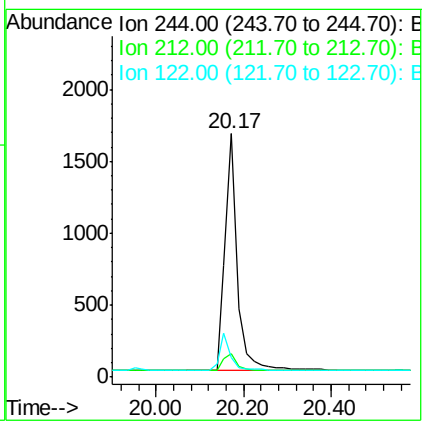


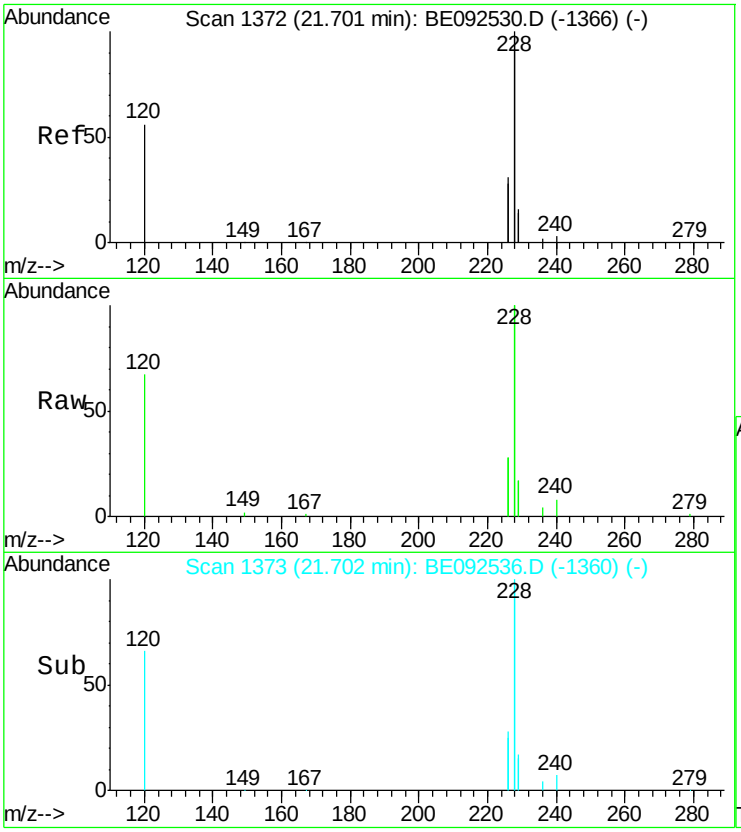


#26
Terphenyl-d14
Concen: 0.35 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:244 Resp: 3242

Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.7	10.1
122	7.8	3.6	5.4#



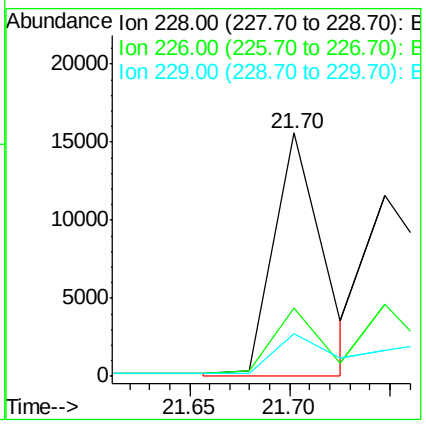


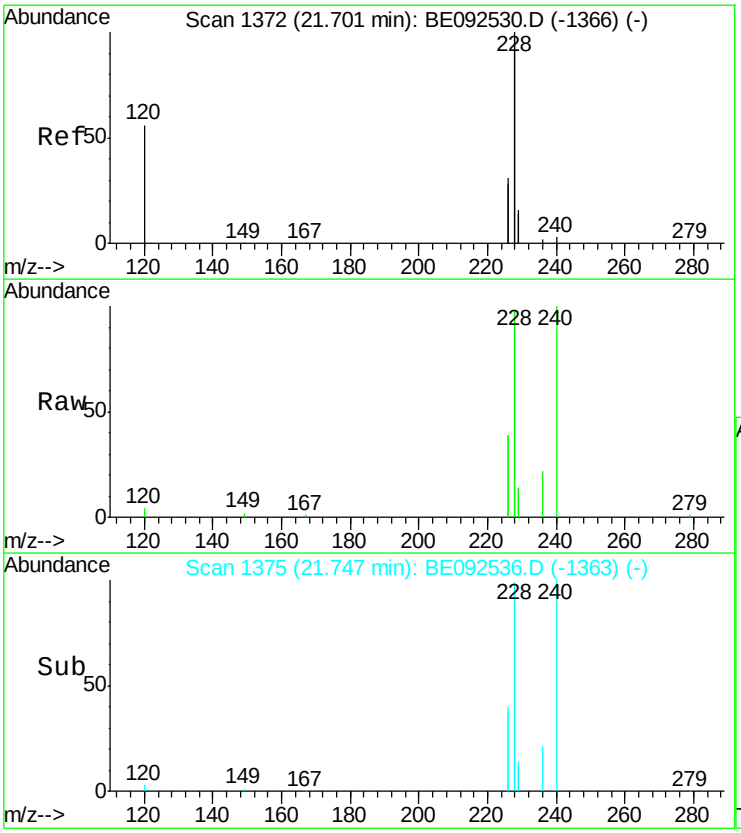
#27
Benzo(a)anthracene
Concen: 0.44 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:228 Resp: 26532

Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.6	35.4
229	17.4	13.3	19.9

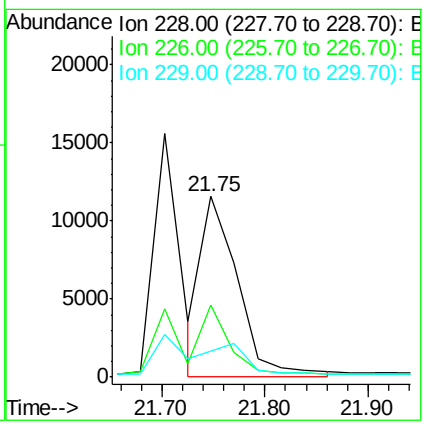


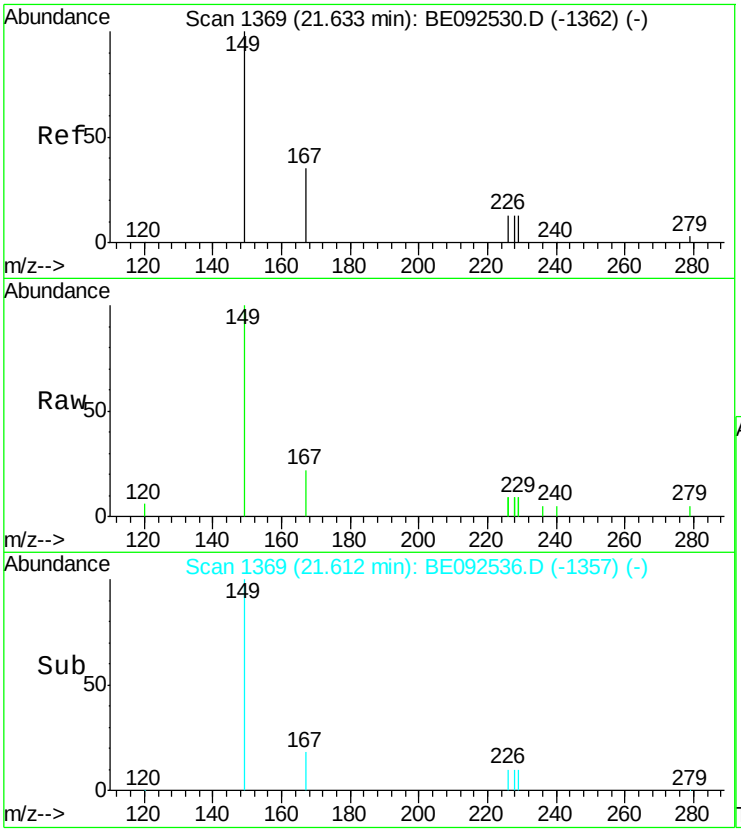


#28
Chrysene
Concen: 0.43 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:228 Resp: 29105

Ion	Ratio	Lower	Upper
228	100		
226	40.0	36.3	54.5
229	14.3	10.6	16.0



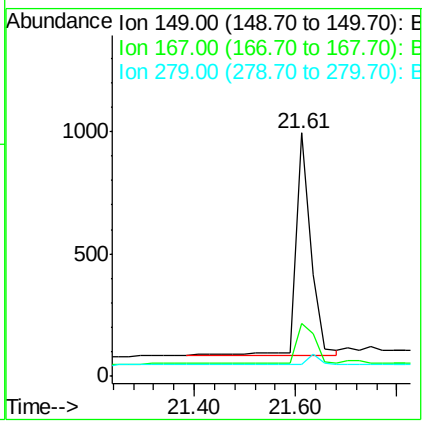


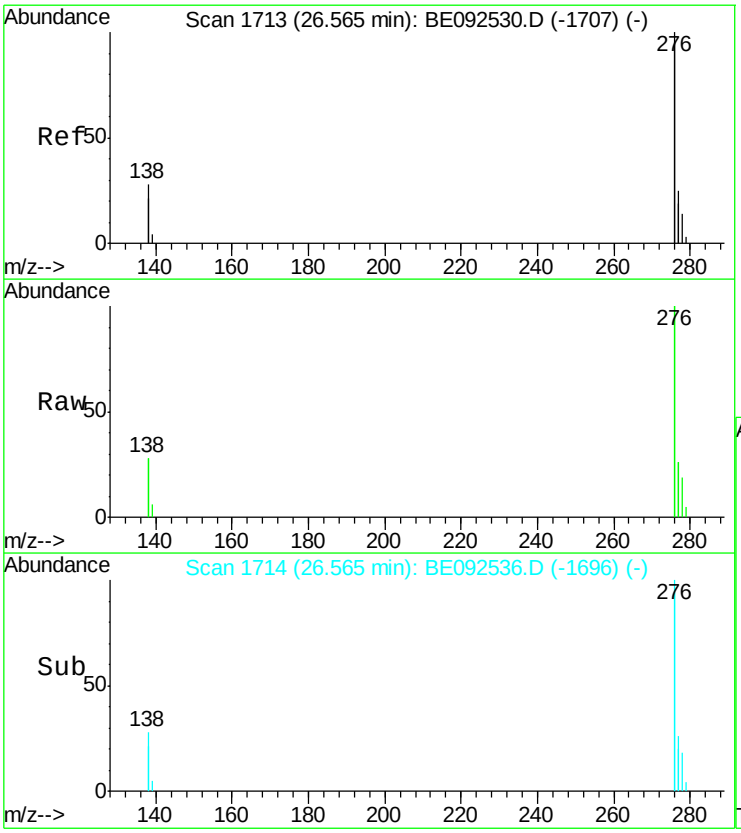
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.46 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:149 Resp: 1816

Ion	Ratio	Lower	Upper
149	100		
167	21.9	16.0	24.0
279	0.0	16.0	24.0#

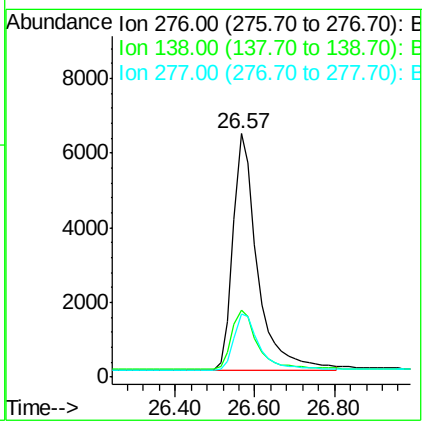


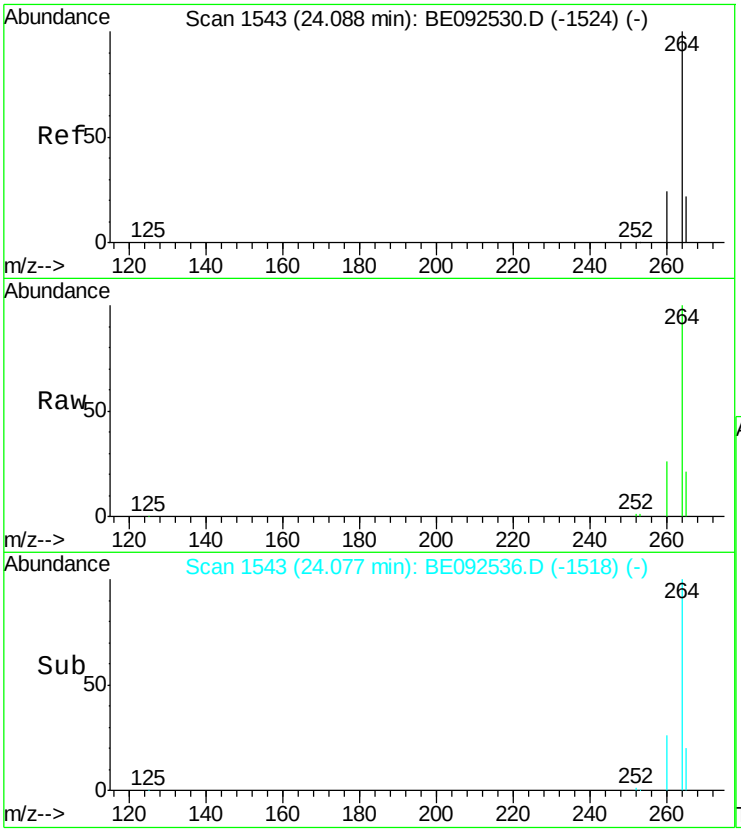


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.41 ng
RT: 26.57 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:276 Resp: 27195

Ion	Ratio	Lower	Upper
276	100		
138	27.4	20.3	30.5
277	24.7	19.7	29.5



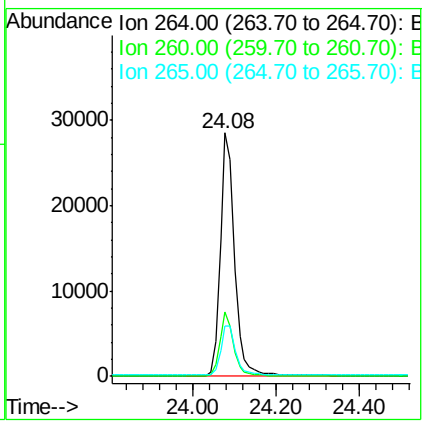


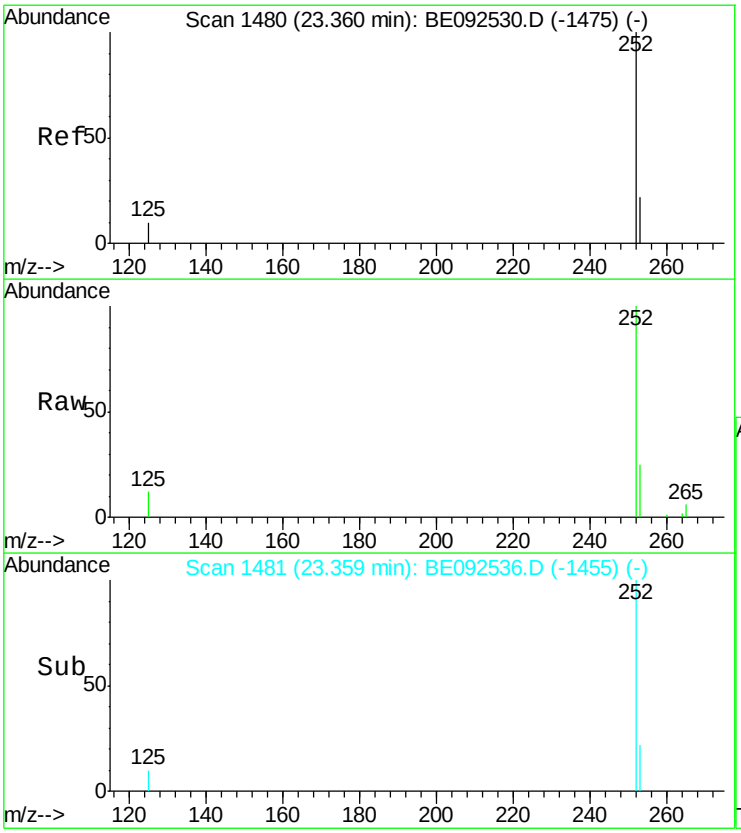
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:264 Resp: 68082

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.1	30.1
265	20.9	17.9	26.9

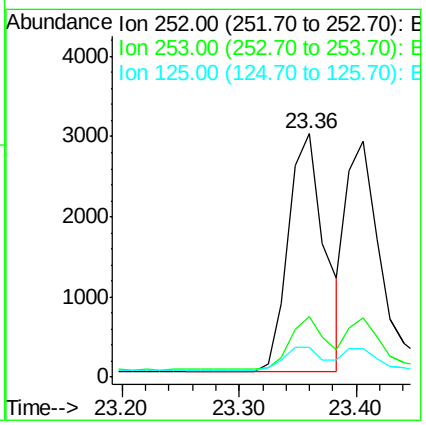


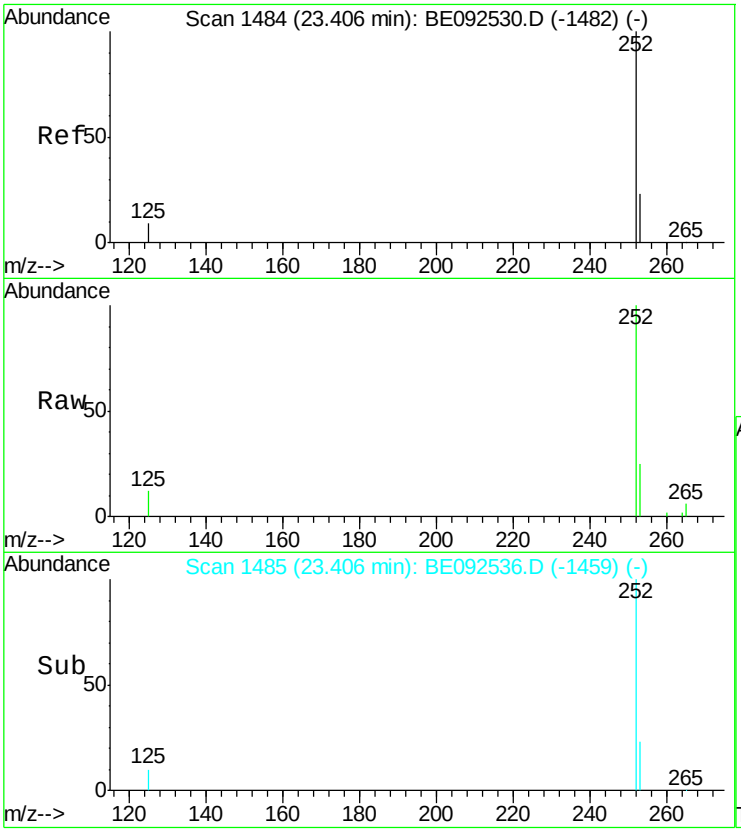


#32
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 23.36 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:252 Resp: 6458

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.7	28.1
125	12.2	10.5	15.7



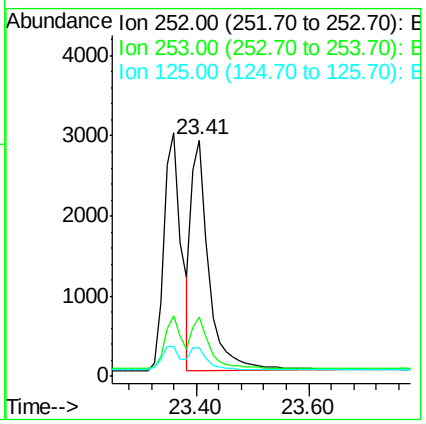


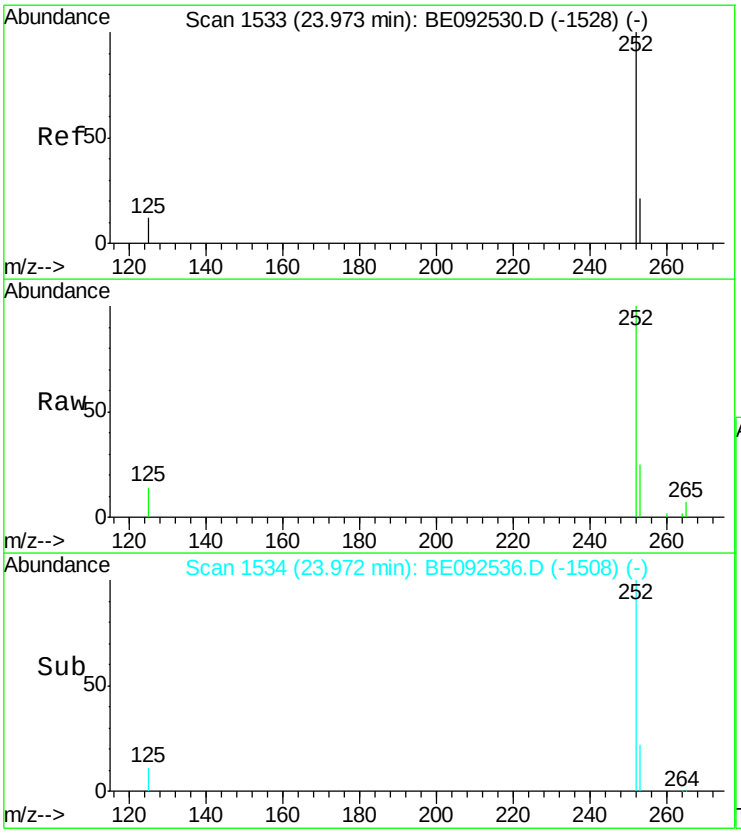
#33
Benzo(k)fluoranthene
Concen: 0.36 ng
RT: 23.41 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:252 Resp: 6196

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.3	30.5
125	12.3	9.6	14.4

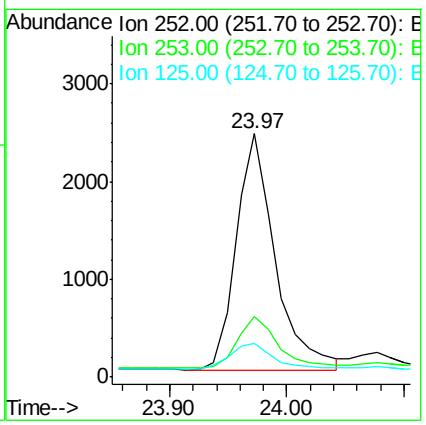


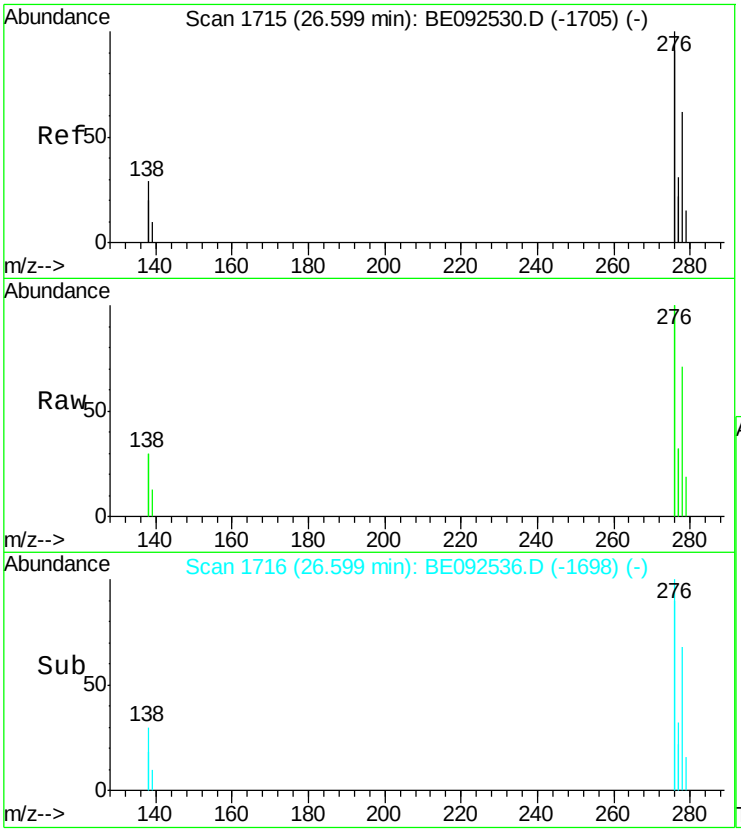


#34
Benzo(a)pyrene
Concen: 0.36 ng
RT: 23.97 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:252 Resp: 5557

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	14.0	11.8	17.8



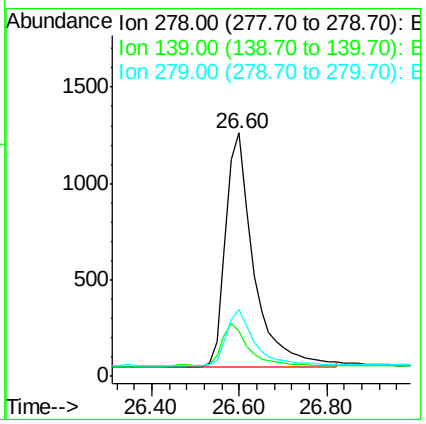


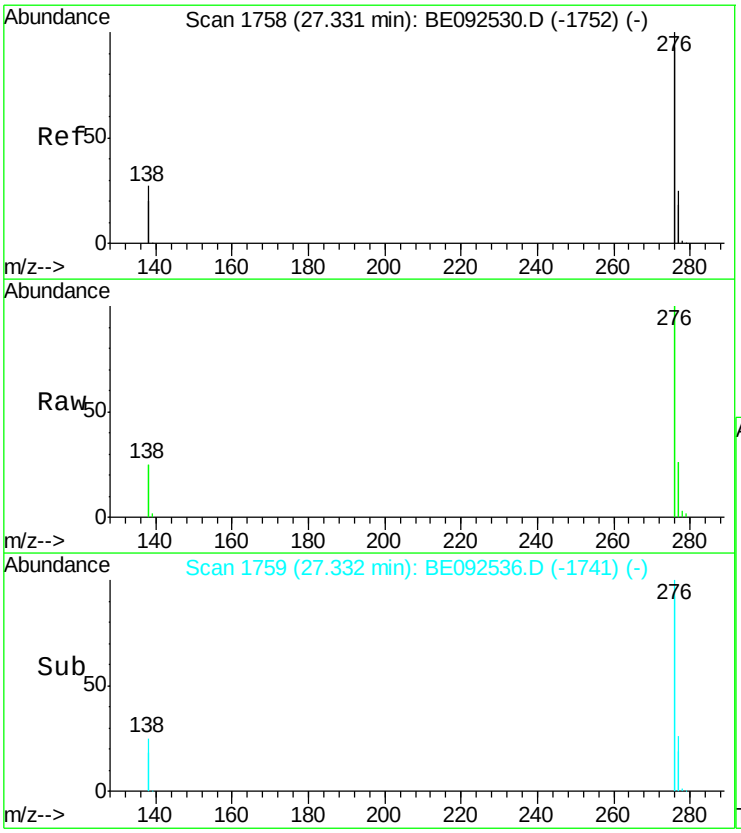
#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Instrument :
BNA_E
ClientSampleId :
ICVBE111616

Tgt Ion:278 Resp: 5461

Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.8	20.8
279	27.4	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092536.D
Acq: 16 Nov 2016 15:22

Tgt Ion:276 Resp: 23797

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.8	29.8
138	25.3	19.8	29.6