Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082817\
Data File : BE093893.D
Acq On : 28 Aug 2017 12:11
Operator : SJ/JU
Sample : PB101832BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 28 12:51:32 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 11:26:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1677	0.40	ng		0.00
7) Naphthalene-d8	10.71	136	7211	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	3931	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	9567	0.40	ng		0.00
27) Chrysene-d12	21.42	240	11806	0.40	ng		0.00
34) Perylene-d12	23.93	264	9651	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.51	112	1687	0.33	ng		0.00
5) Phenol-d6	7.10	99	2253	0.29	ng		0.00
8) Nitrobenzene-d5	9.06	82	2016	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.29	152	5064	0.44	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	323	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	4932	0.32	ng		0.00
25) Fluoranthene-d10	19.28	212	42553	0.39	ng		0.00
29) Terphenyl-d14	19.87	244	8745	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	749	0.325	ng	#	39
3) n-Nitrosodimethylamine	3.75	42	826	0.322	ng	#	93
6) bis(2-Chloroethyl)ether	7.34	93	1823	0.300	ng		98
9) Naphthalene	10.76	128	24849	0.303	ng		100
10) Hexachlorobutadiene	11.04	225	920	0.317	ng		98
12) 2-Methylnaphthalene	12.36	142	4163	0.303	ng		99
16) Acenaphthylene	14.24	152	5873	0.302	ng		100
17) Acenaphthene	14.58	154	3986	0.304	ng		99
18) Fluorene	15.56	166	5440	0.320	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1279	0.326	ng		91
21) Hexachlorobenzene	16.58	284	1035	0.289	ng	#	100
22) Pentachlorophenol	16.94	266	536	0.357	ng		97
23) Phenanthrene	17.30	178	7674	0.316	ng	#	99
24) Anthracene	17.37	178	7540	0.260	ng	#	99
26) Fluoranthene	19.31	202	11740	0.352	ng		100
28) Pyrene	19.67	202	11898	0.300	ng		100
30) Benzo(a)anthracene	21.39	228	10733	0.306	ng		97
31) Chrysene	21.45	228	11811	0.303	ng		99
32) Bis(2-ethylhexyl)phthalate	21.30	149	23658	0.320	ng		100
33) Indeno(1,2,3-cd)pyrene	26.59	276	7690	0.289	ng		96
35) Benzo(b)fluoranthene	23.16	252	9103	0.295	ng		99
36) Benzo(k)fluoranthene	23.20	252	10845	0.308	ng		97
37) Benzo(a)pyrene	23.82	252	9286	0.304	ng		98
38) Dibenzo(a,h)anthracene	26.61	278	5331	0.247	ng		95
39) Benzo(g,h,i)perylene	27.40	276	6926	0.295	ng		98

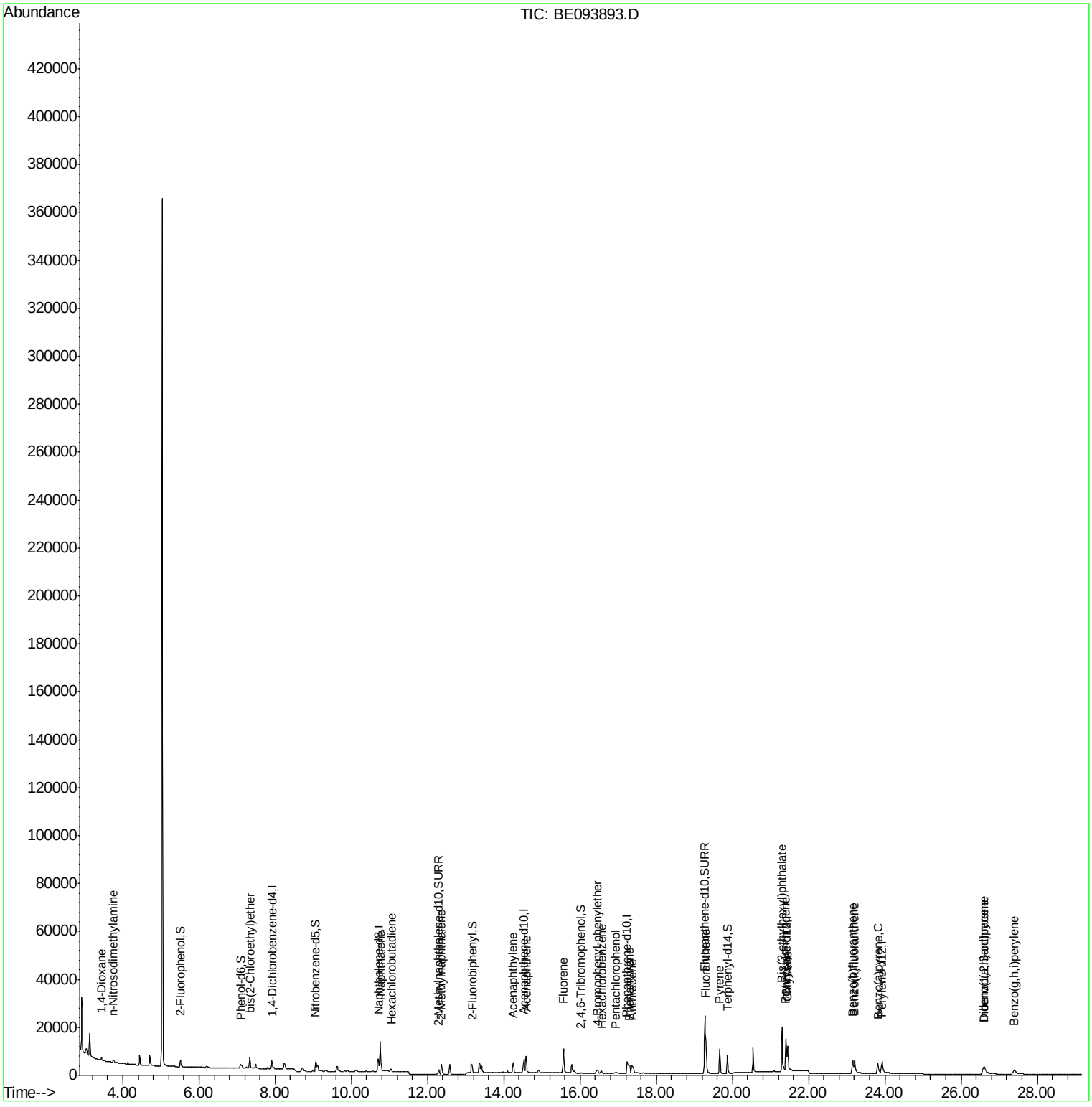
(#) = qualifier out of range (m) = manual integration (+) = signals summed

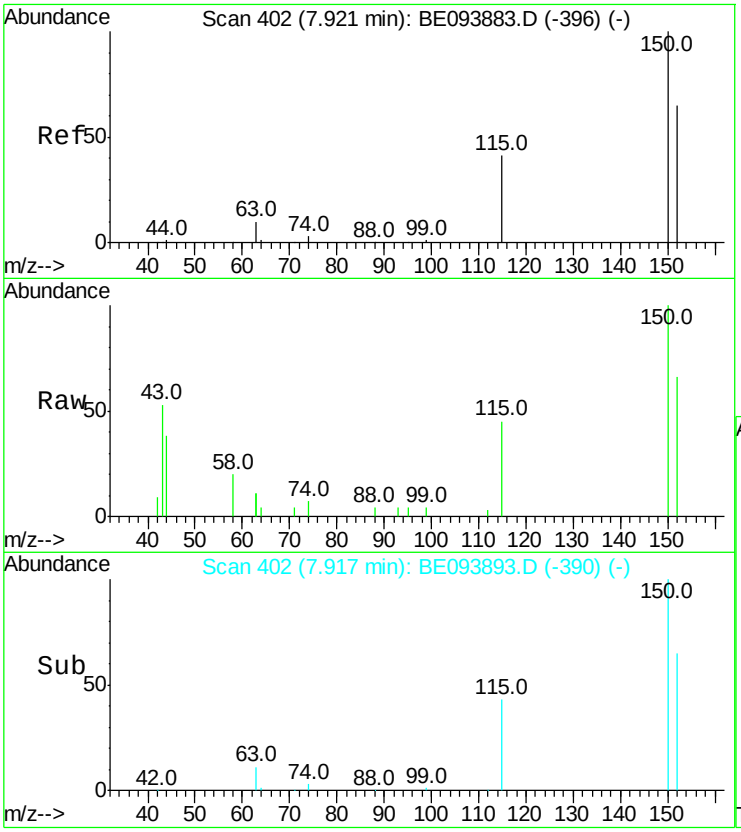
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082817\
Data File : BE093893.D
Acq On : 28 Aug 2017 12:11
Operator : SJ/JU
Sample : PB101832BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 28 12:51:32 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 11:26:07 2017
Response via : Initial Calibration



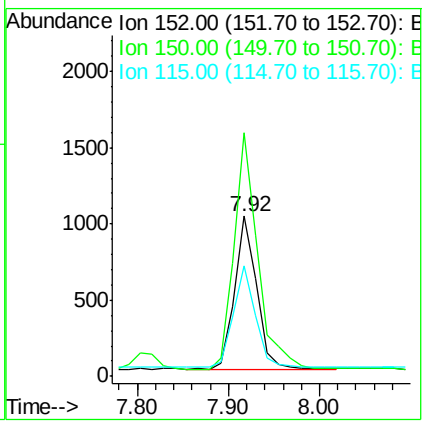


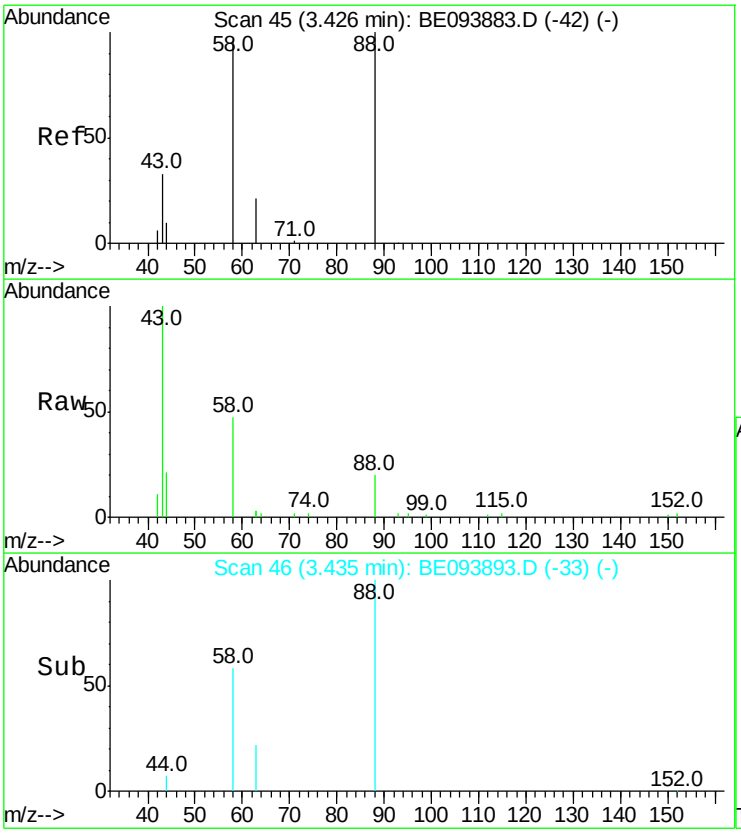
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1677

Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.8	182.6
115	69.2	52.6	79.0

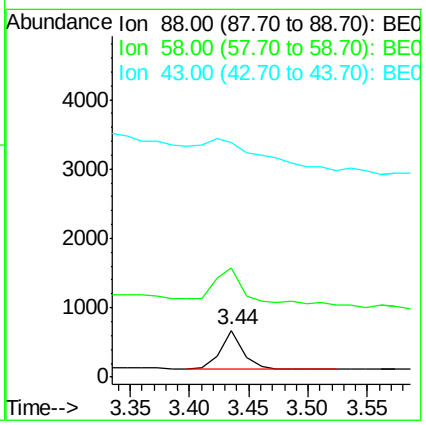


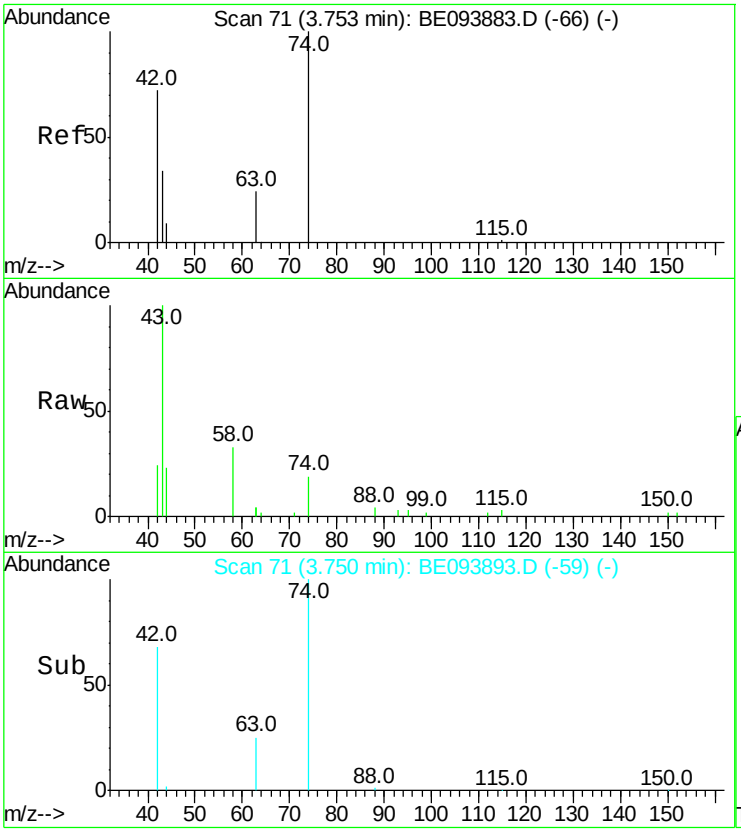


#2
1,4-Dioxane
Concen: 0.325 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion: 88 Resp: 749

Ion	Ratio	Lower	Upper
88	100		
58	138.1	65.4	98.0#
43	0.0	23.9	35.9#



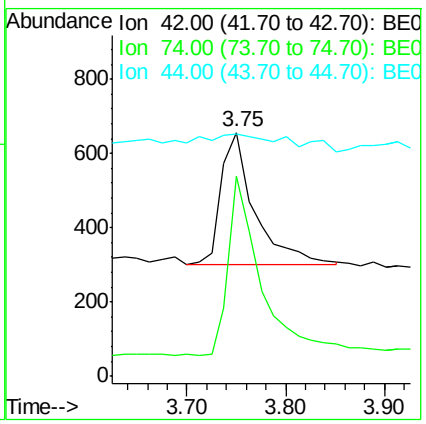


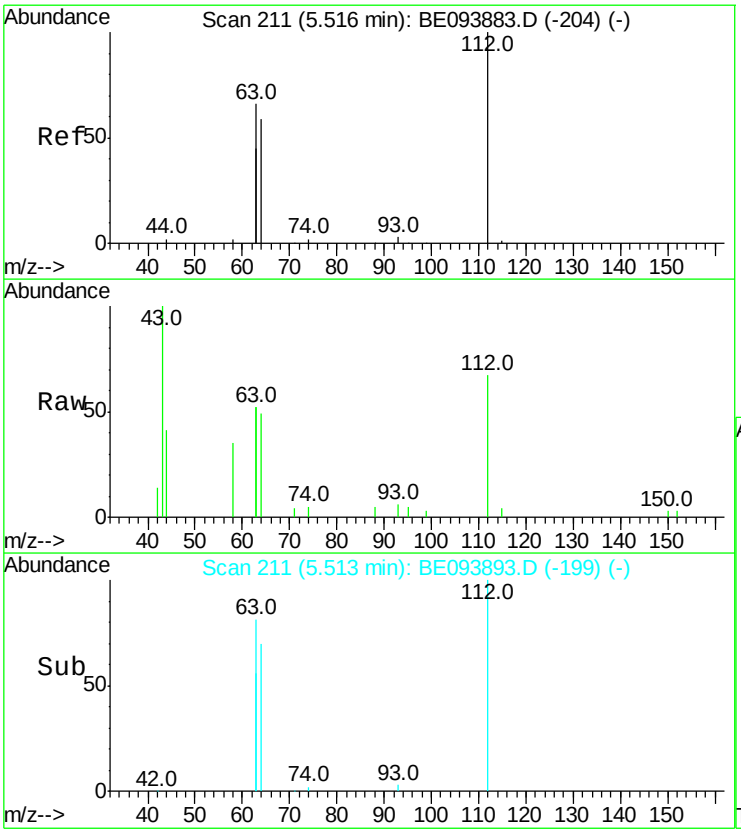
#3
n-Nitrosodimethylamine
Concen: 0.322 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 826

Ion	Ratio	Lower	Upper
42	100		
74	132.9	104.0	156.0
44	33.4	13.8	20.8#

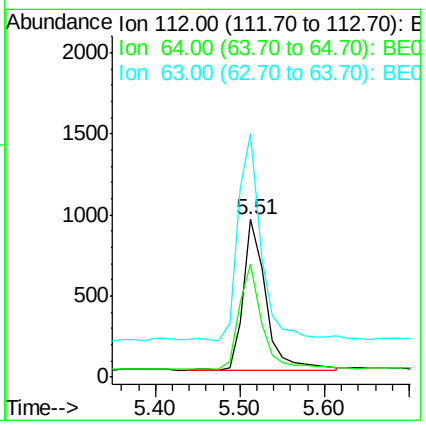


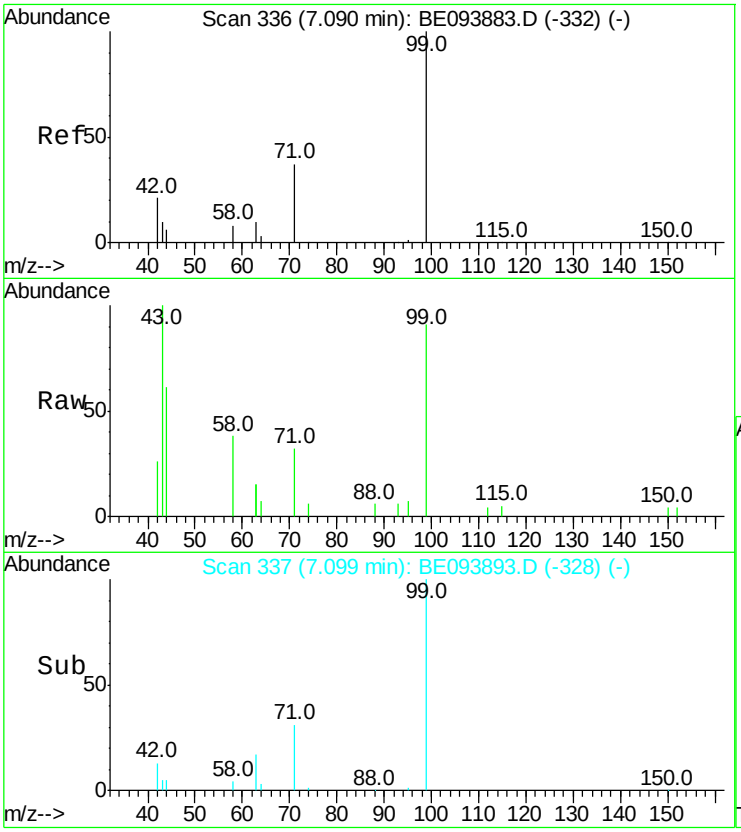


#4
2-Fluorophenol
Concen: 0.327 ng
RT: 5.51 min Scan# 211
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:112 Resp: 1687

Ion	Ratio	Lower	Upper
112	100		
64	71.5	57.7	86.5
63	141.8	116.0	174.0



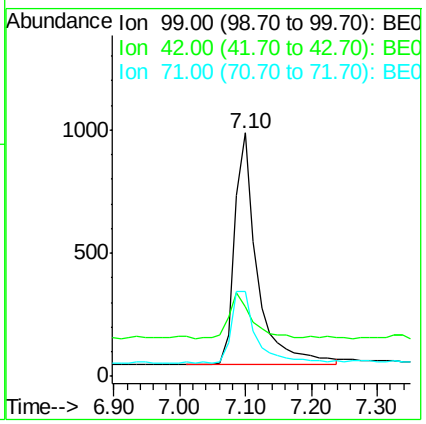


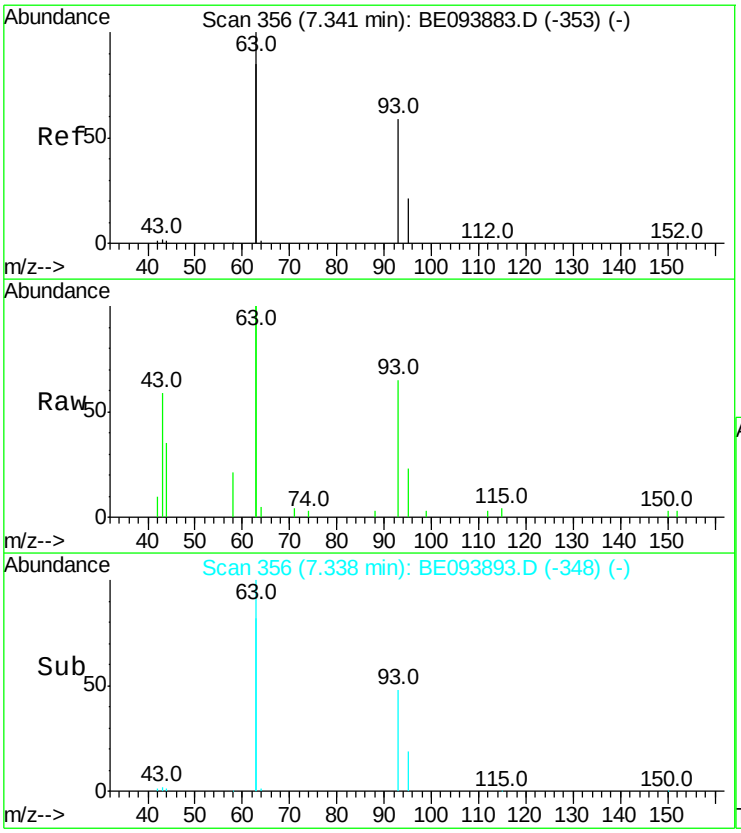
#5
Phenol-d6
Concen: 0.286 ng
RT: 7.10 min Scan# 337
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 2253

Ion	Ratio	Lower	Upper
99	100		
42	19.4	17.1	25.7
71	33.8	26.6	39.8

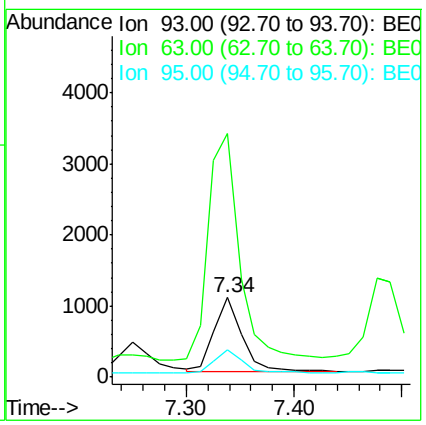


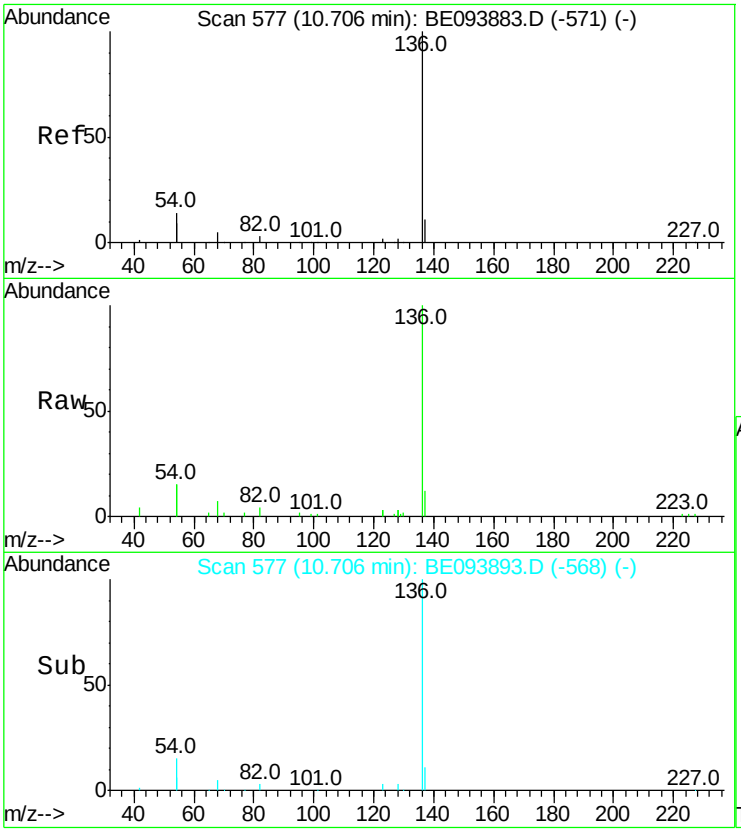


#6
bis(2-Chloroethyl)ether
Concen: 0.300 ng
RT: 7.34 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion: 93 Resp: 1823

Ion	Ratio	Lower	Upper
93	100		
63	350.9	283.4	425.2
95	31.3	26.9	40.3



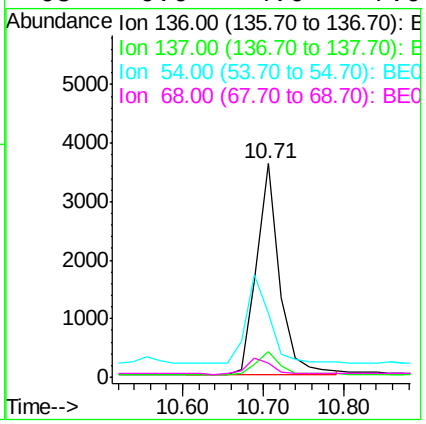


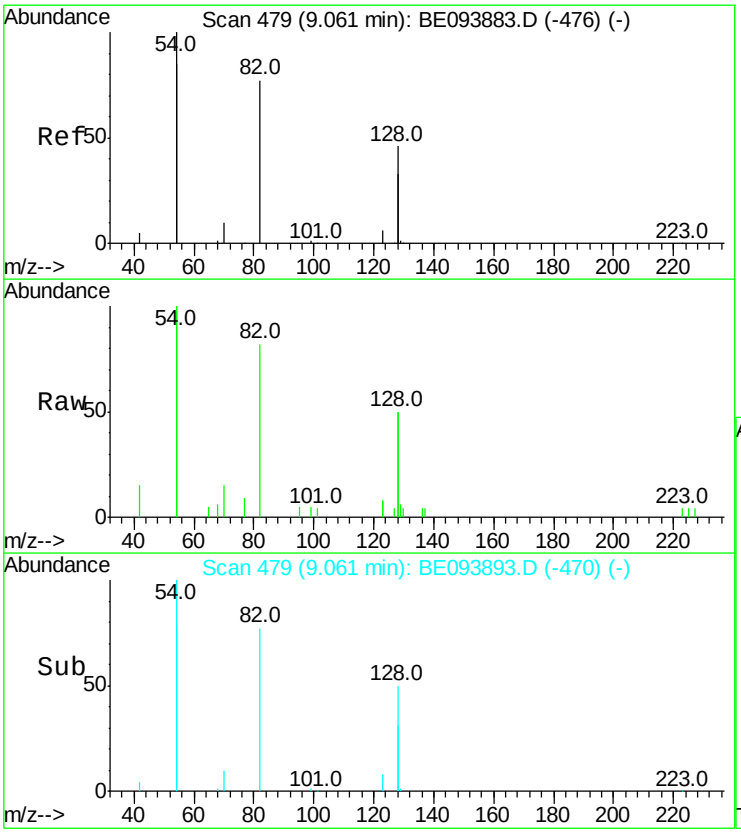
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 7211

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	30.0	21.9	32.9
68	6.6	4.6	7.0

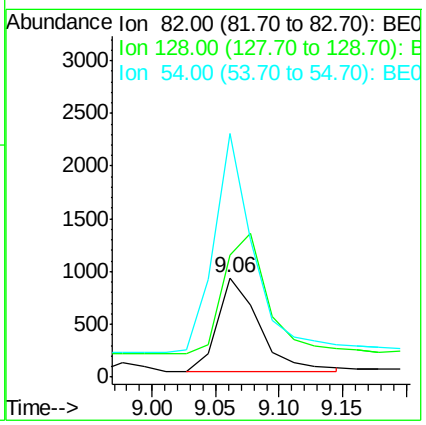


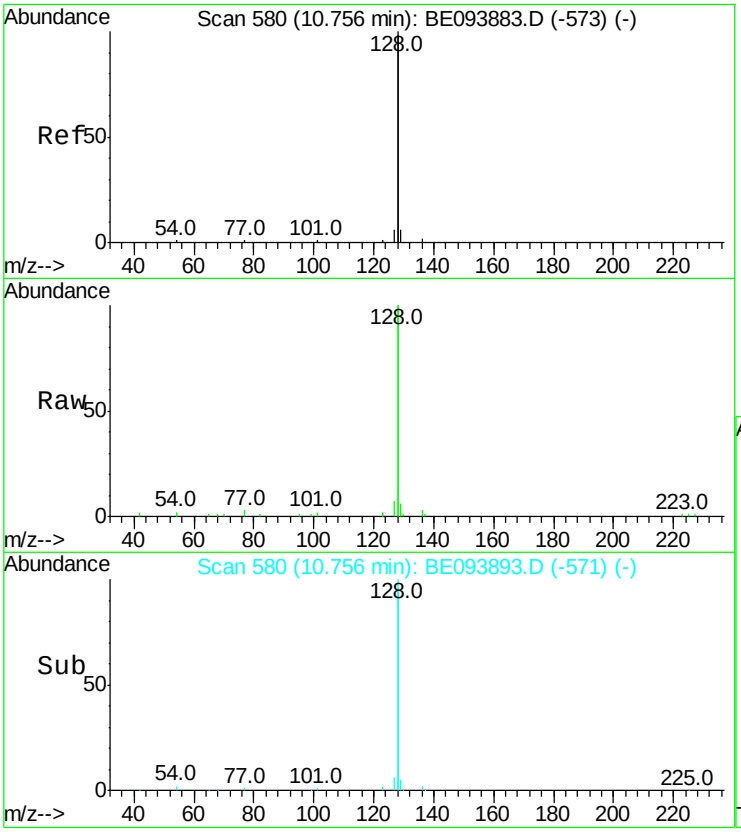


#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion: 82 Resp: 2016

Ion	Ratio	Lower	Upper
82	100		
128	122.6	91.4	137.0
54	245.3	197.8	296.8



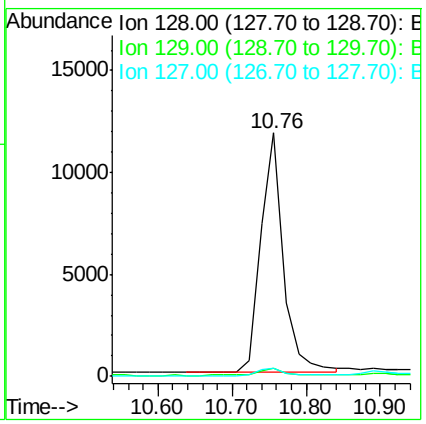


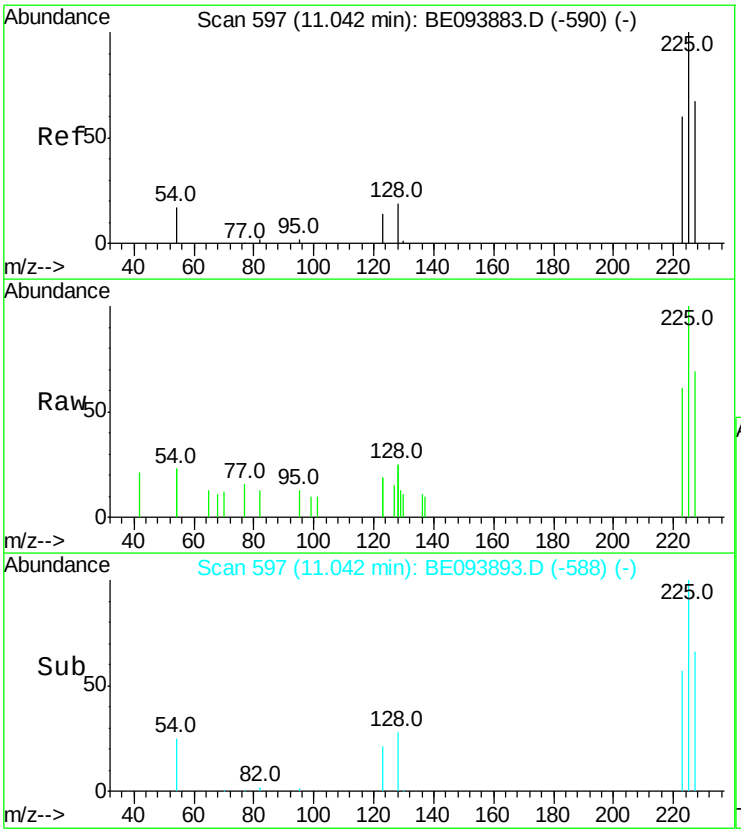
#9
Naphthalene
Concen: 0.303 ng
RT: 10.76 min Scan# 580
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 24849

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.5	3.7
127	3.4	2.6	4.0

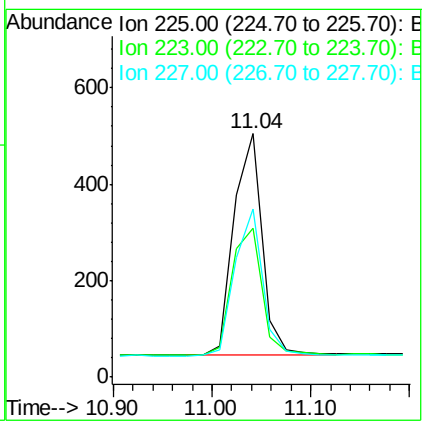


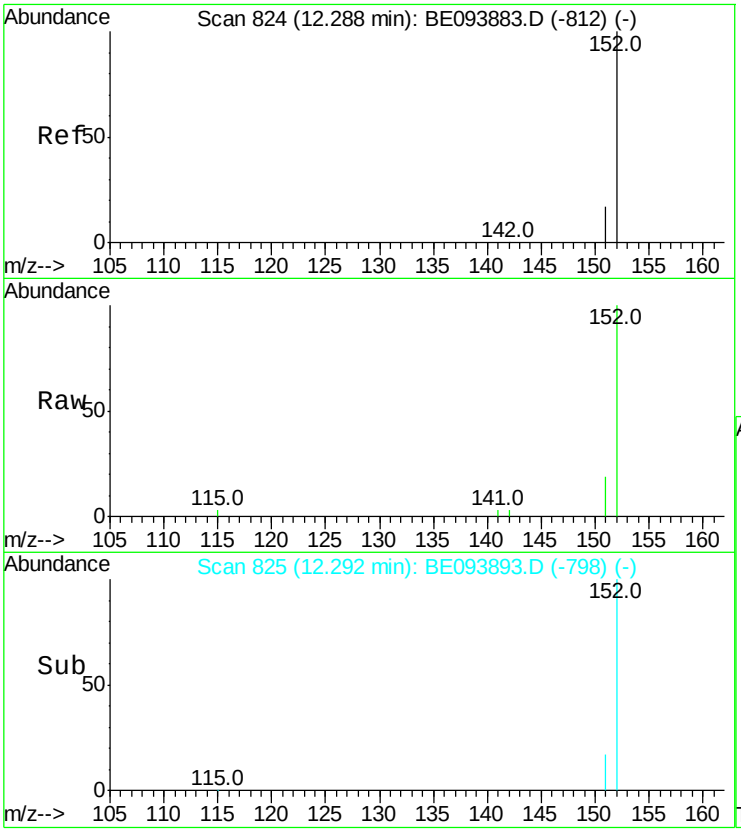


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 11.04 min Scan# 597
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:225 Resp: 920

Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.4	74.0
227	65.2	50.5	75.7



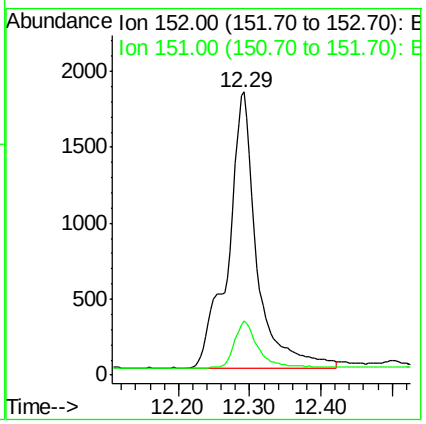


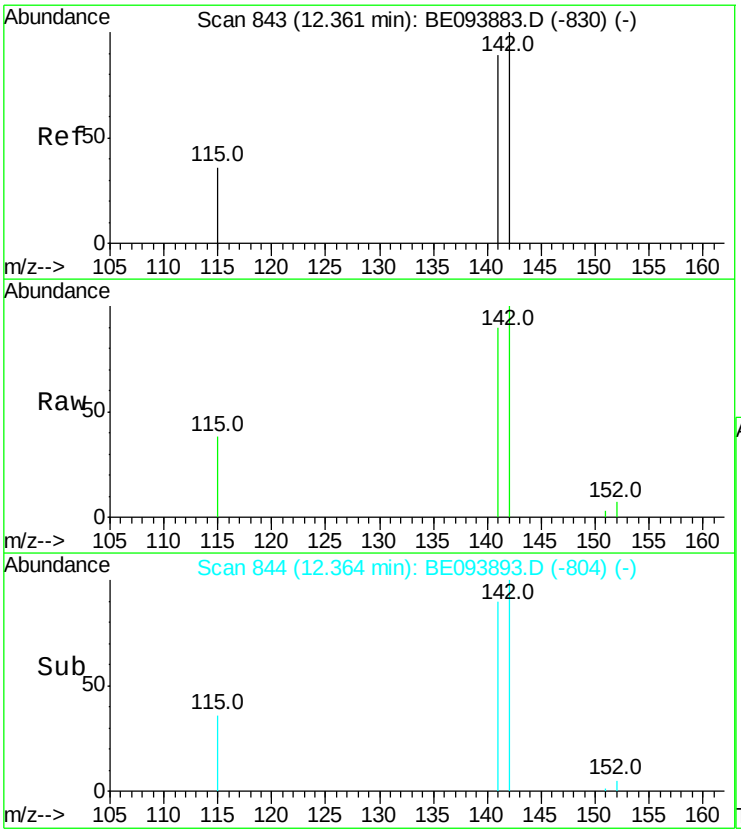
#11
2-Methylnaphthalene-d10
Concen: 0.444 ng
RT: 12.29 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 5064

Ion	Ratio	Lower	Upper
152	100		
151	14.1	15.4	23.0#

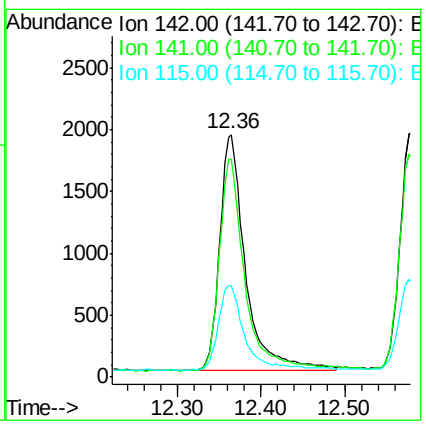


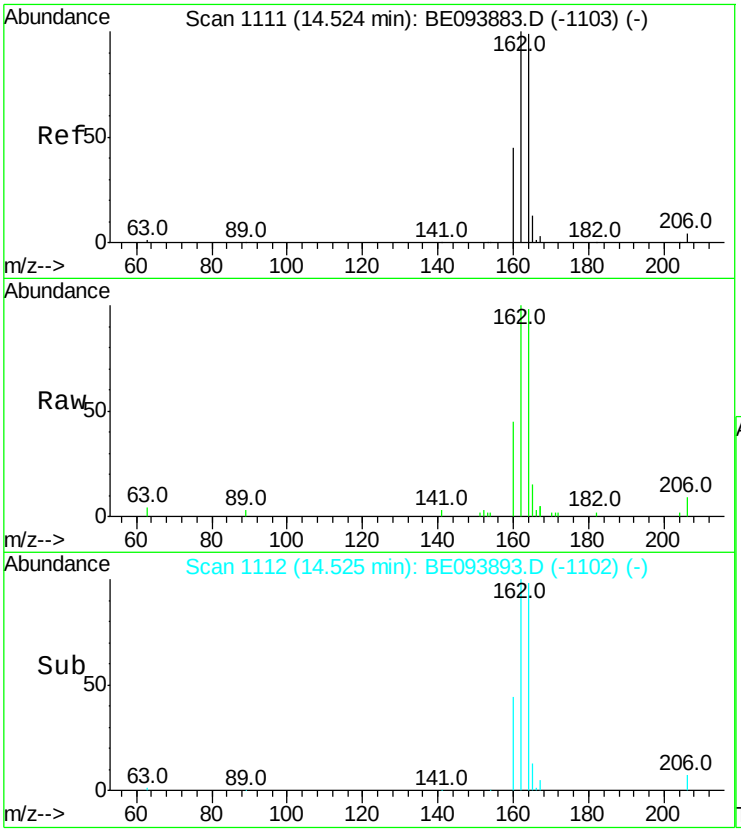


#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.36 min Scan# 844
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:142 Resp: 4163

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.4	107.2
115	37.5	29.4	44.0



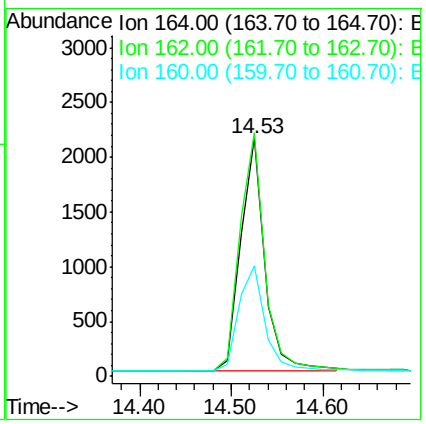


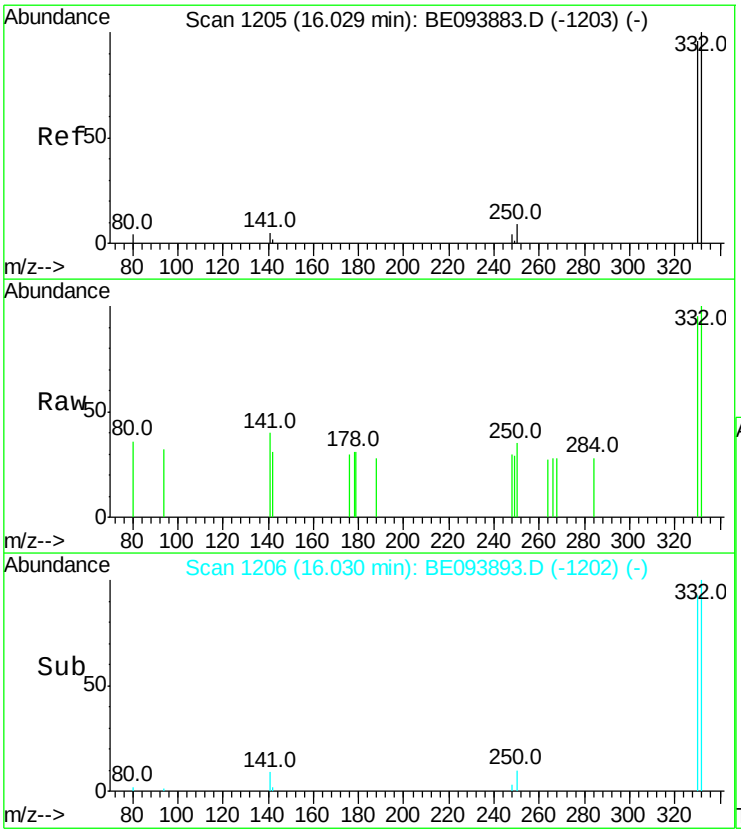
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 3931

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.8	121.2
160	46.3	37.0	55.4

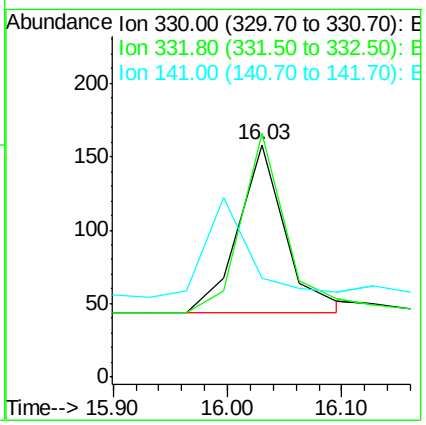


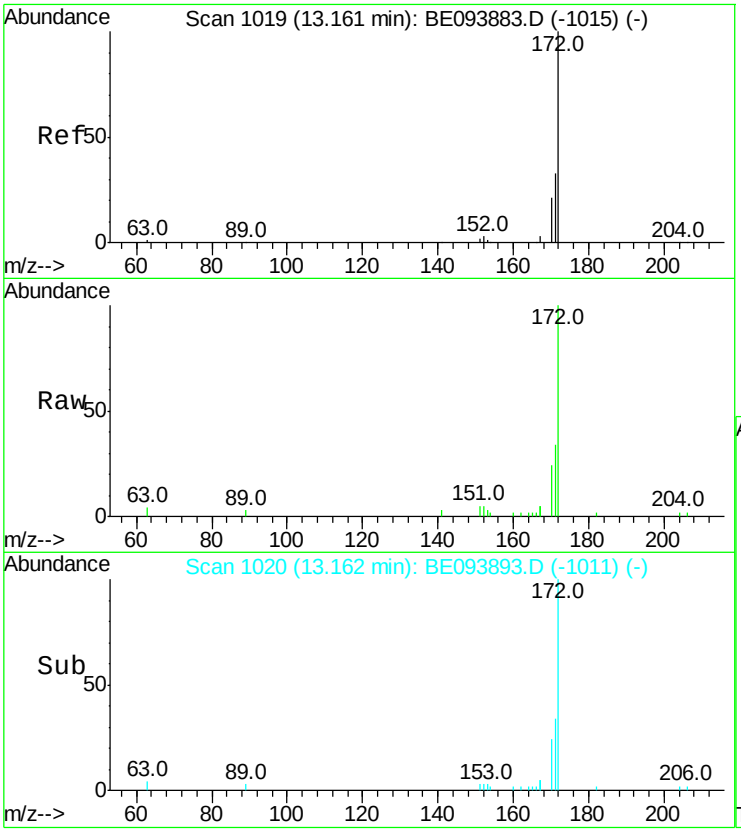


#14
2,4,6-Tribromophenol
Concen: 0.307 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:330 Resp: 323

Ion	Ratio	Lower	Upper
330	100		
332	101.9	76.9	115.3
141	0.0	0.0	0.0



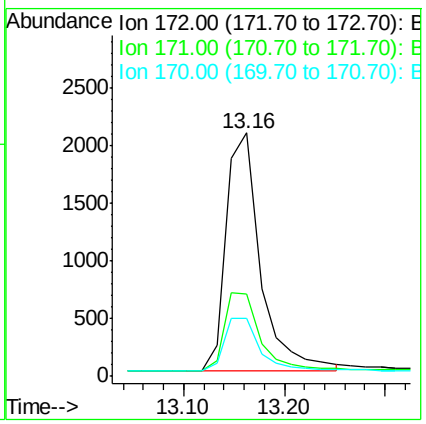


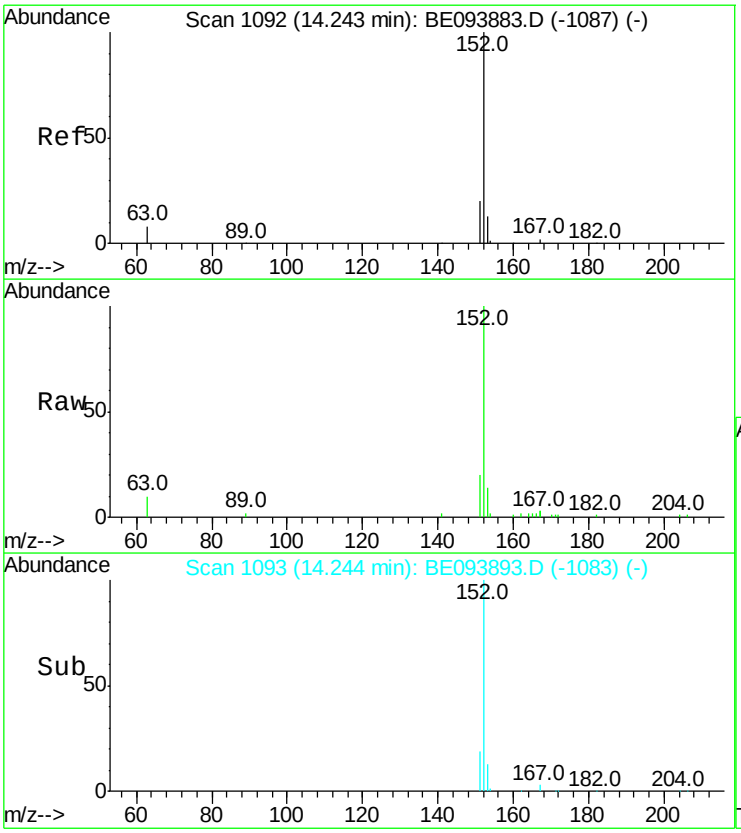
#15
2-Fluorobiphenyl
Concen: 0.315 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 4932

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.9	40.3
170	23.9	17.3	25.9

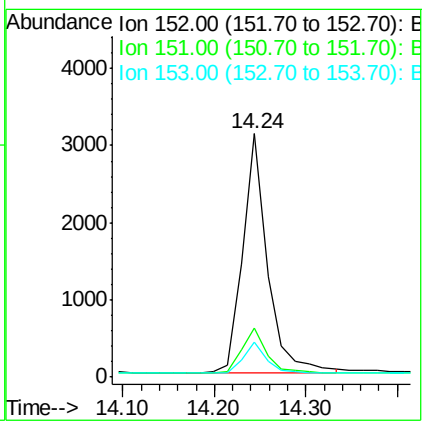


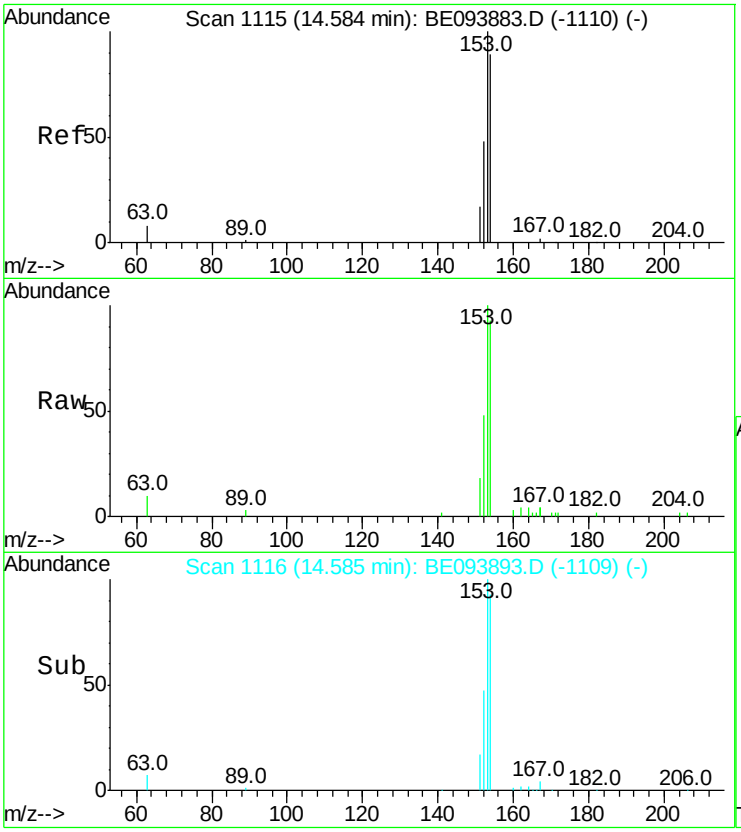


#16
Acenaphthylene
Concen: 0.302 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:152 Resp: 5873

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.6	16.0



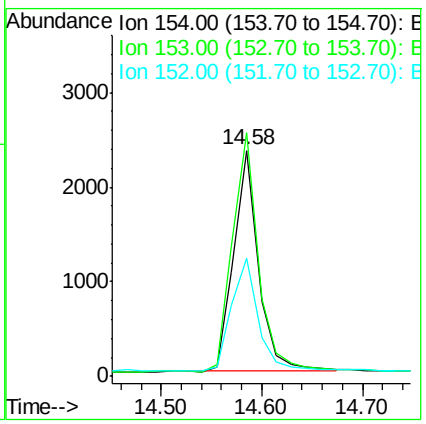


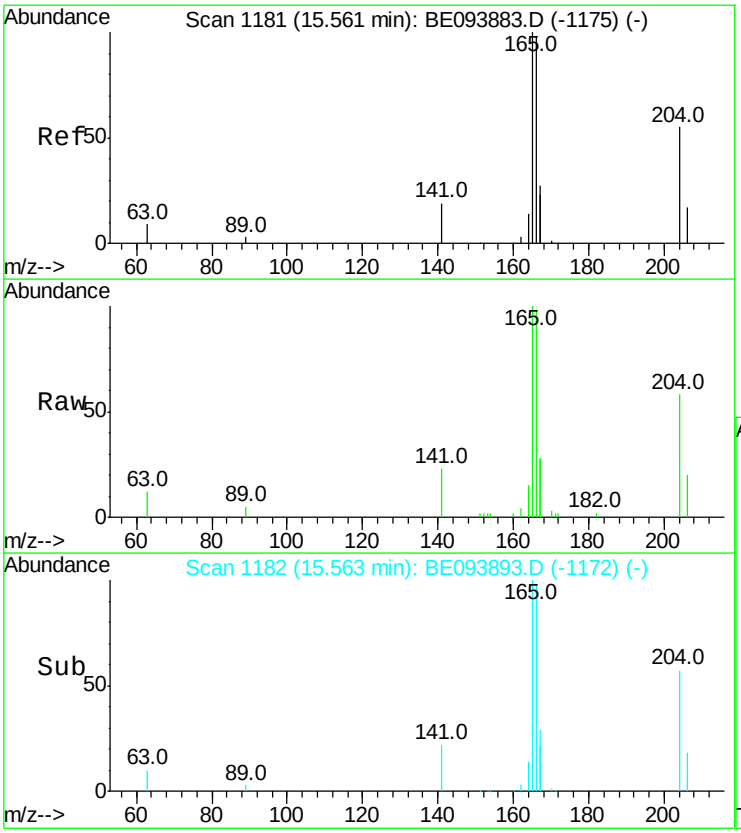
#17
Acenaphthene
Concen: 0.304 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 3986

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.8	137.6
152	54.8	44.9	67.3

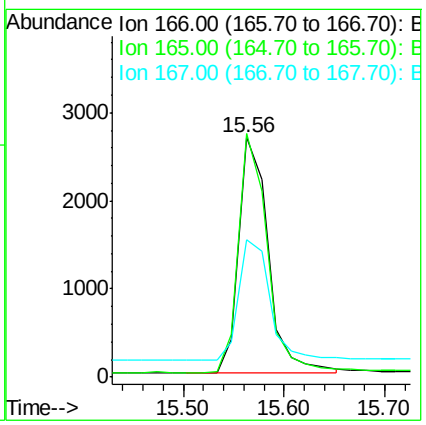


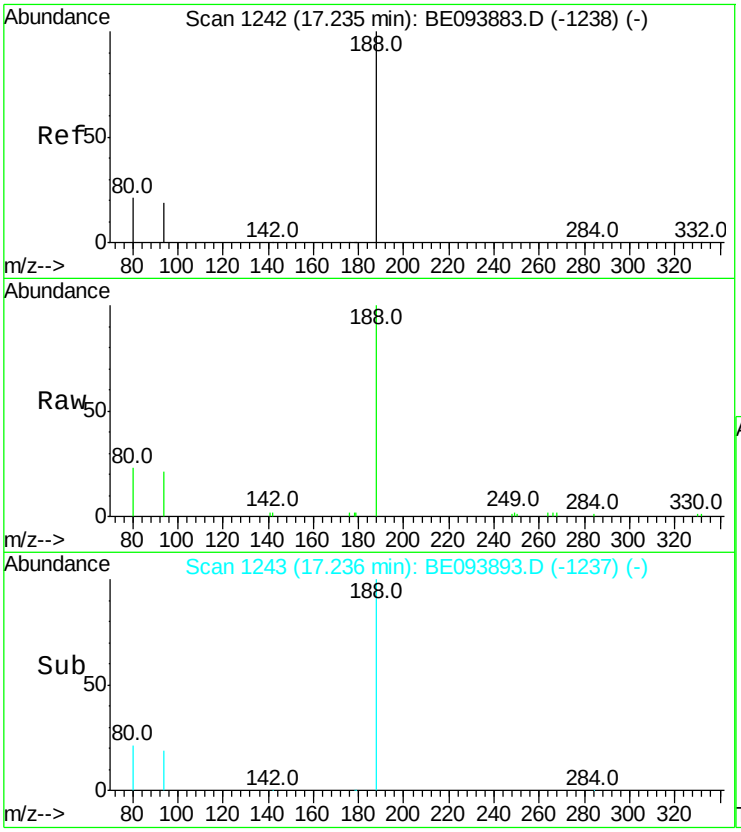


#18
Fluorene
Concen: 0.320 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:166 Resp: 5440

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.4	119.0
167	53.1	43.5	65.3



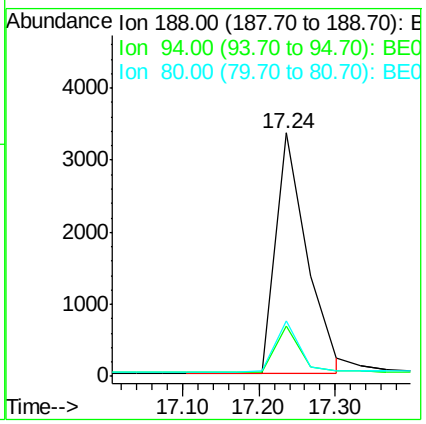


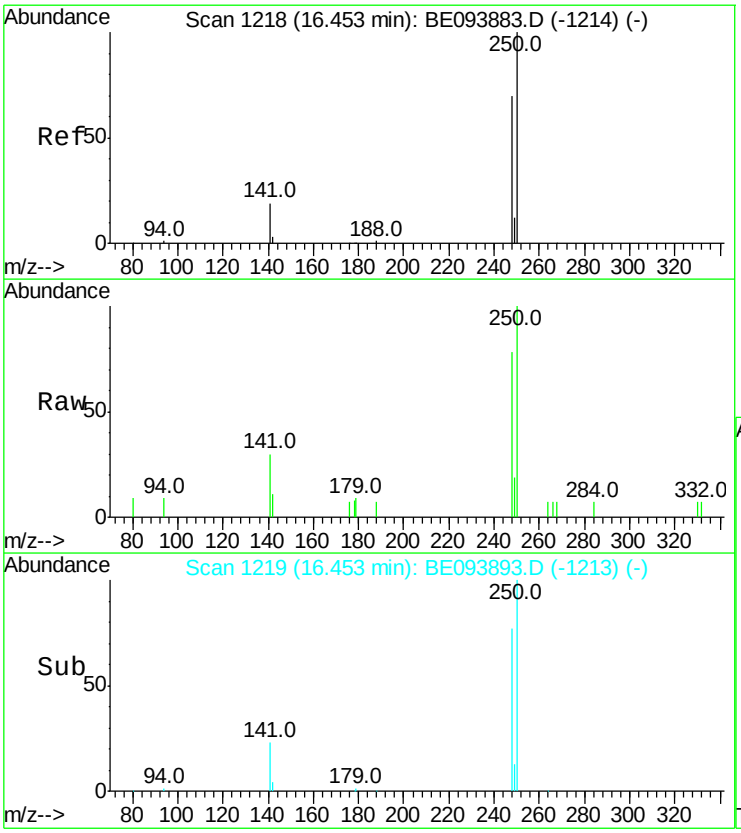
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 9567

Ion	Ratio	Lower	Upper
188	100		
94	20.7	16.1	24.1
80	23.0	18.2	27.2

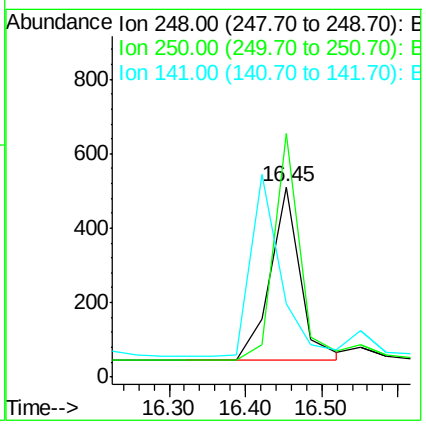


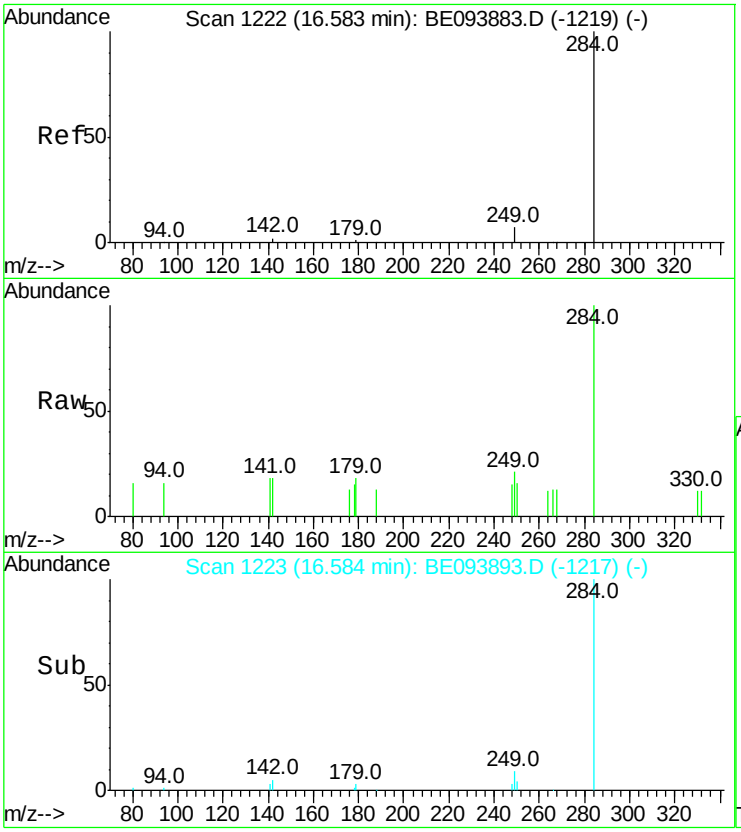


#20
4-Bromophenyl-phenylether
Concen: 0.326 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:248 Resp: 1279

Ion	Ratio	Lower	Upper
248	100		
250	128.0	111.8	167.8
141	38.7	27.1	40.7



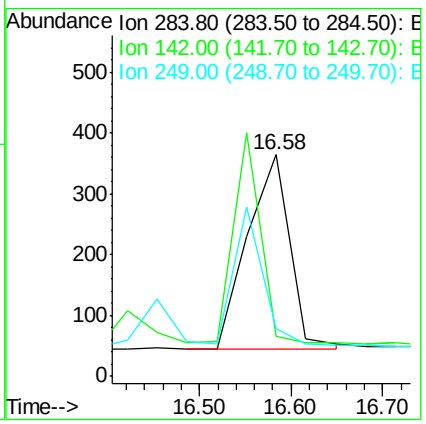


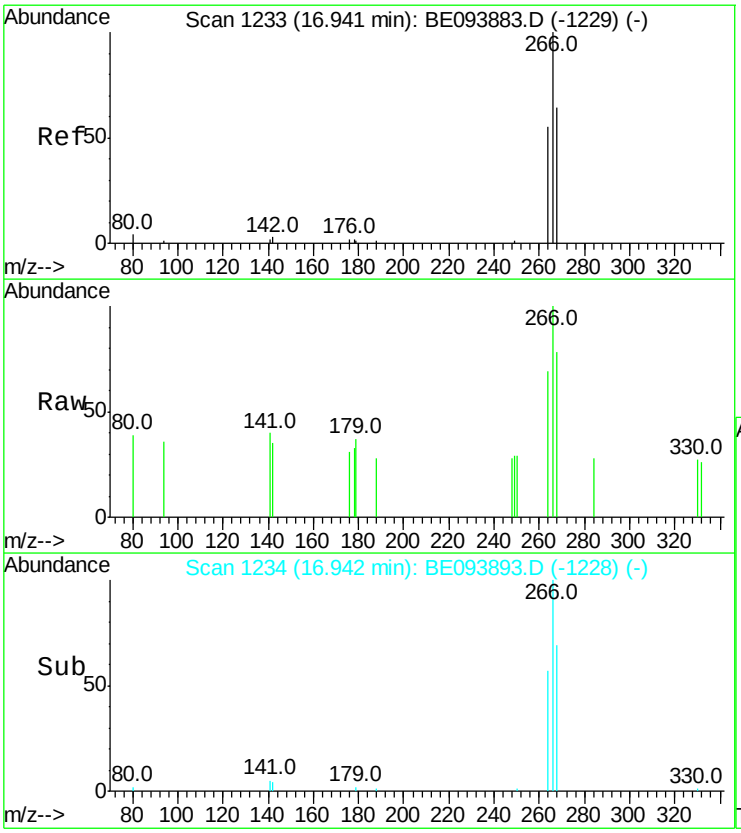
#21
Hexachlorobenzene
Concen: 0.289 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1035

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

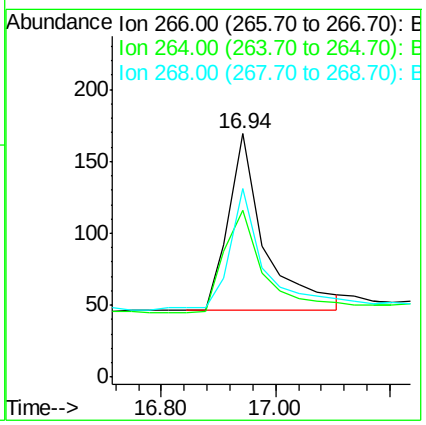


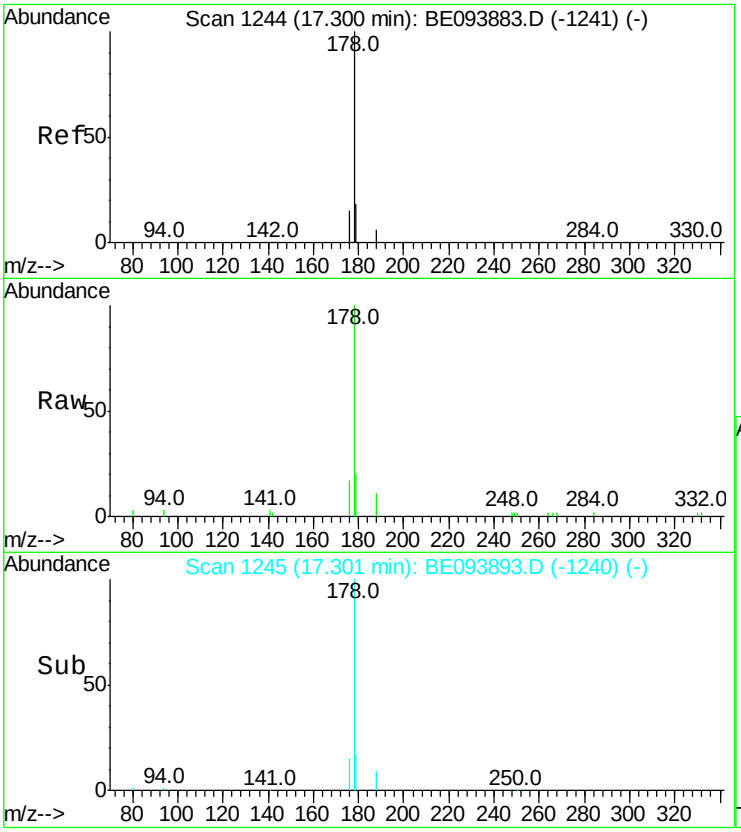


#22
Pentachlorophenol
Concen: 0.357 ng
RT: 16.94 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:266 Resp: 536

Ion	Ratio	Lower	Upper
266	100		
264	68.6	53.5	80.3
268	77.5	60.0	90.0



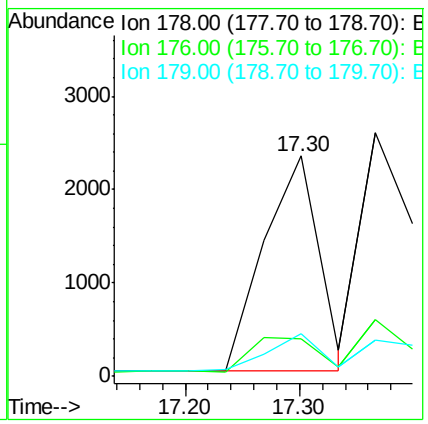


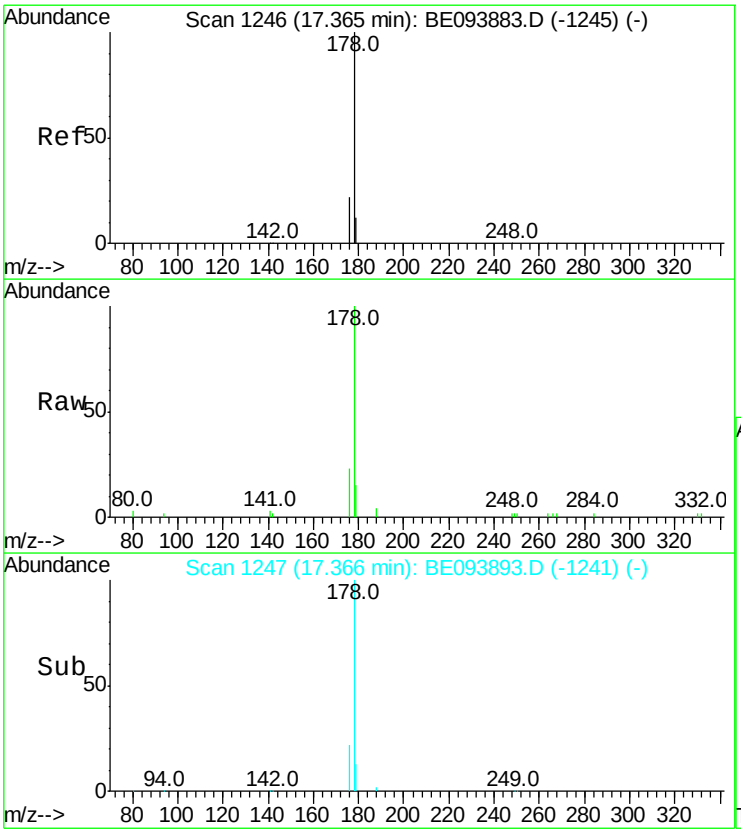
#23
Phenanthrene
Concen: 0.316 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 7674

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	0.0
179	15.3	12.6	18.8

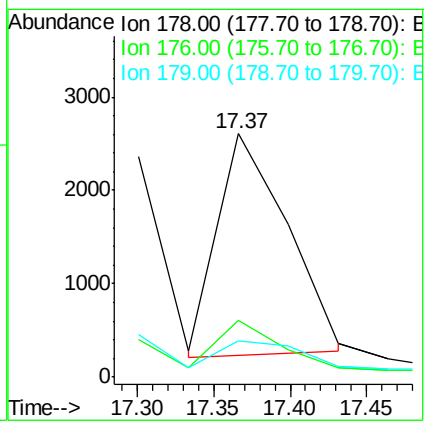


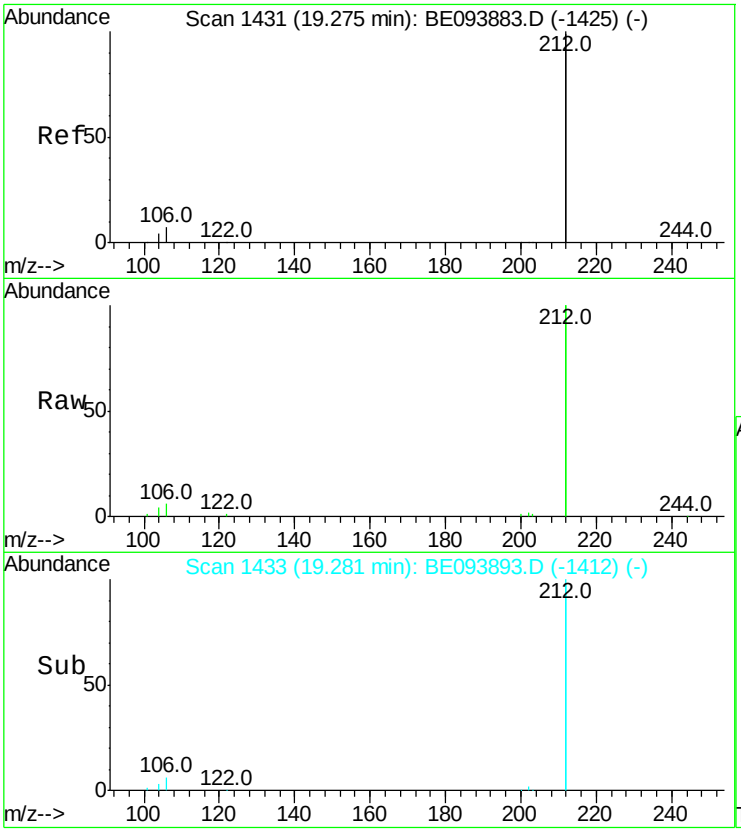


#24
Anthracene
Concen: 0.260 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:178 Resp: 7540

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	0.0	0.0	0.0



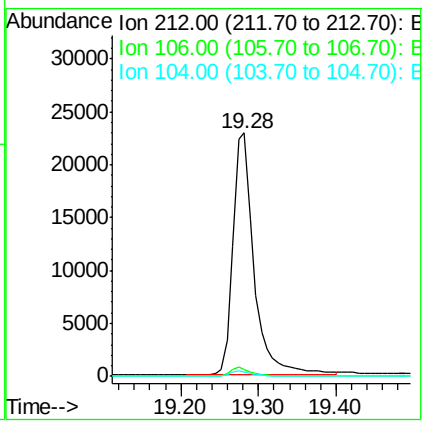


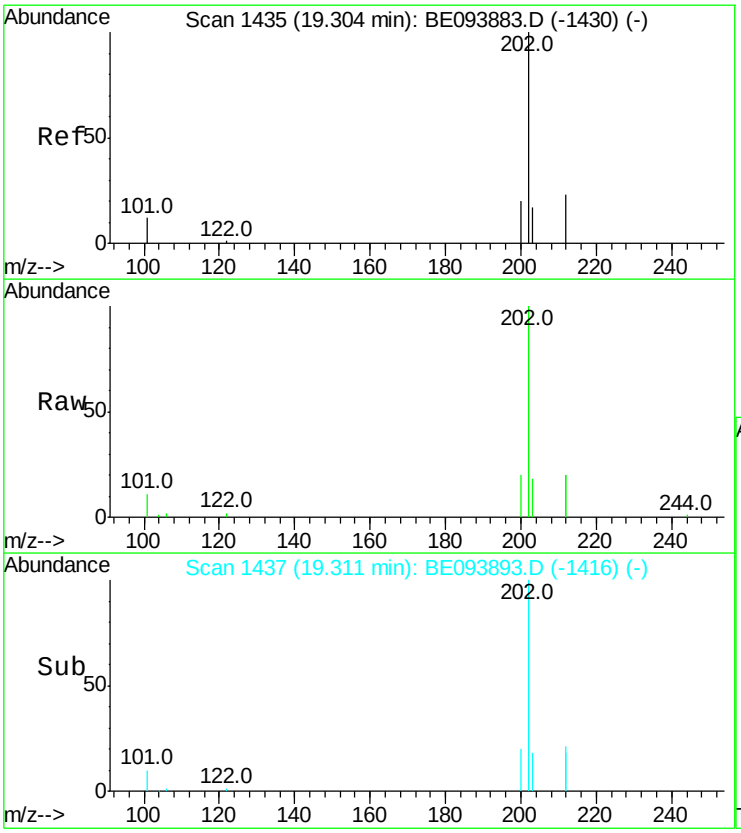
#25
Fluoranthene-d10
Concen: 0.386 ng
RT: 19.28 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 42553

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.7	4.1
104	1.9	1.6	2.4

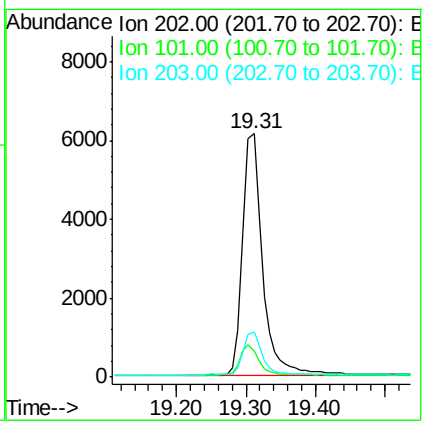


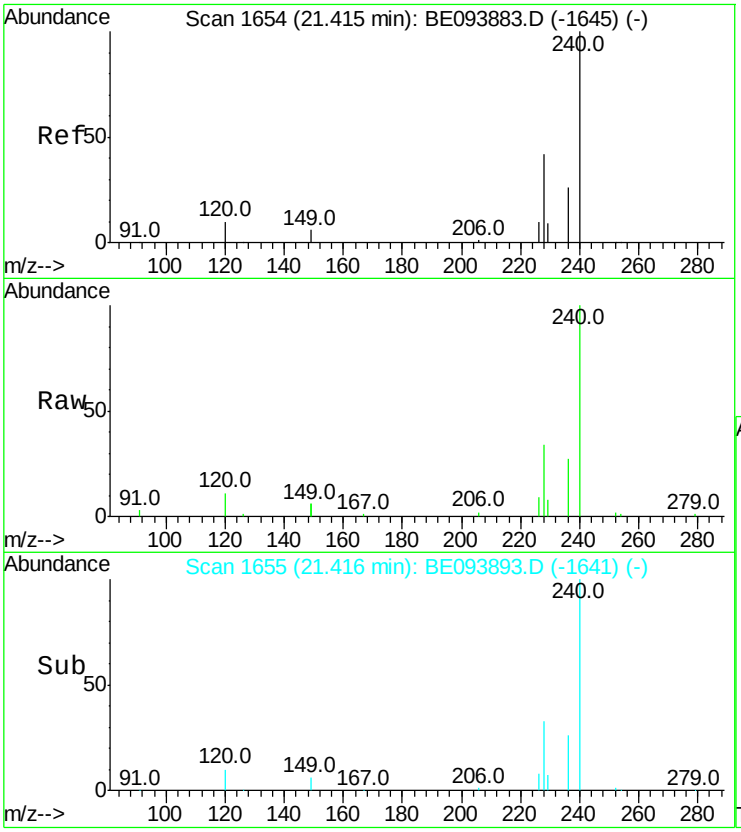


#26
Fluoranthene
Concen: 0.352 ng
RT: 19.31 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:202 Resp: 11740

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.7	14.5
203	16.9	13.7	20.5



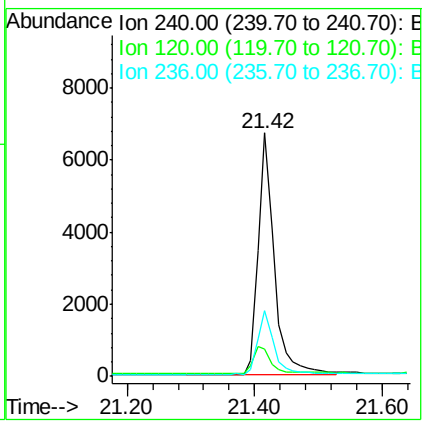


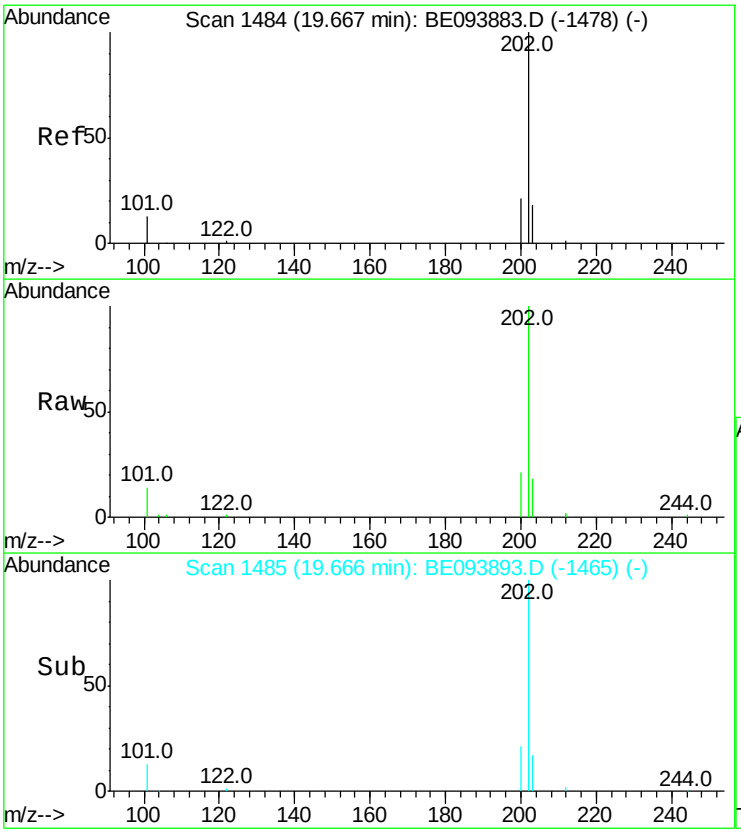
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 11806

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.7	13.1
236	27.1	21.3	31.9

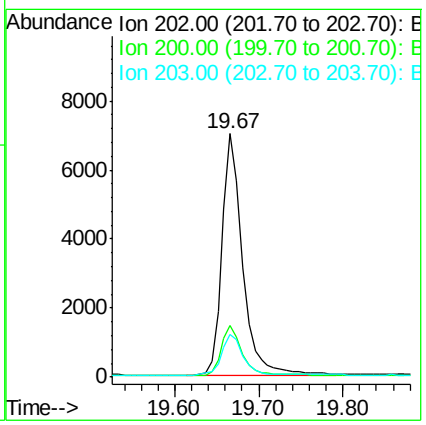


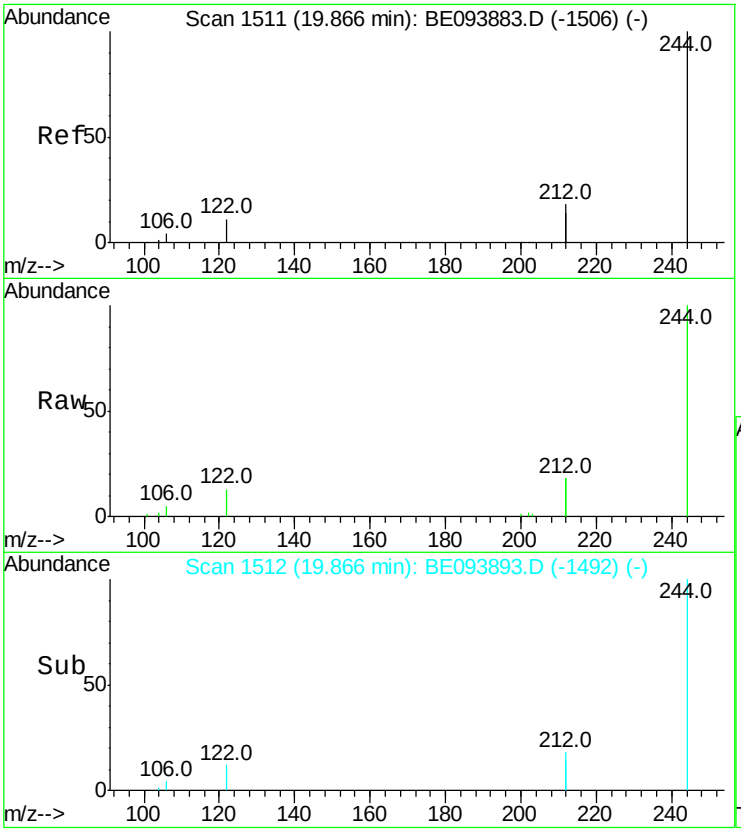


#28
Pyrene
Concen: 0.300 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:202 Resp: 11898

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	18.0	14.2	21.4



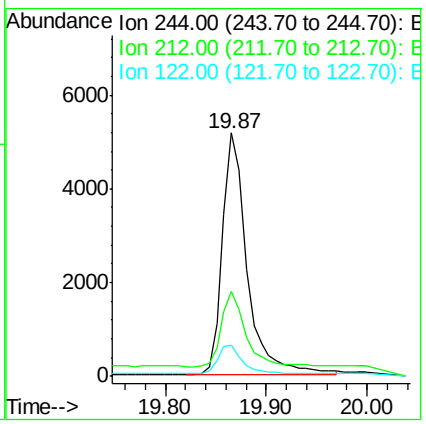


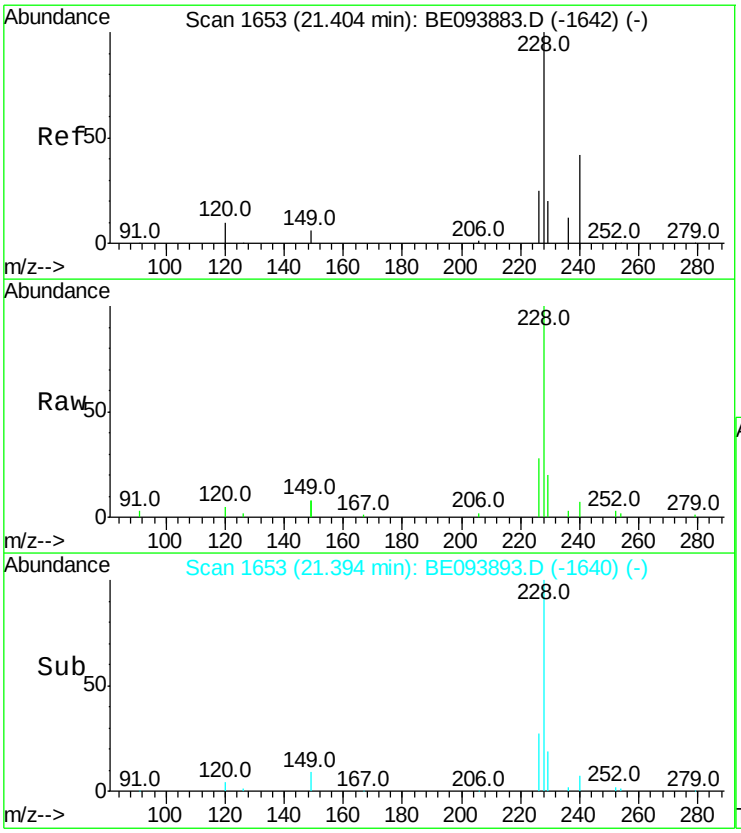
#29
Terphenyl-d14
Concen: 0.409 ng
RT: 19.87 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 8745

Ion	Ratio	Lower	Upper
244	100		
212	35.1	28.3	42.5
122	12.7	9.4	14.0

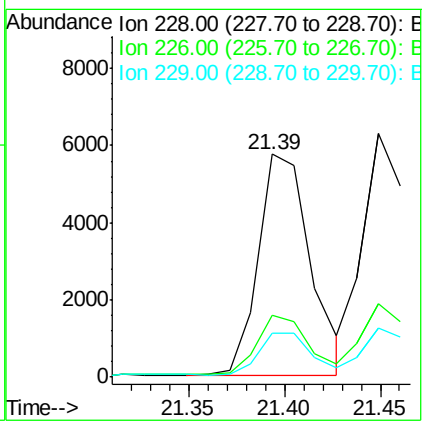


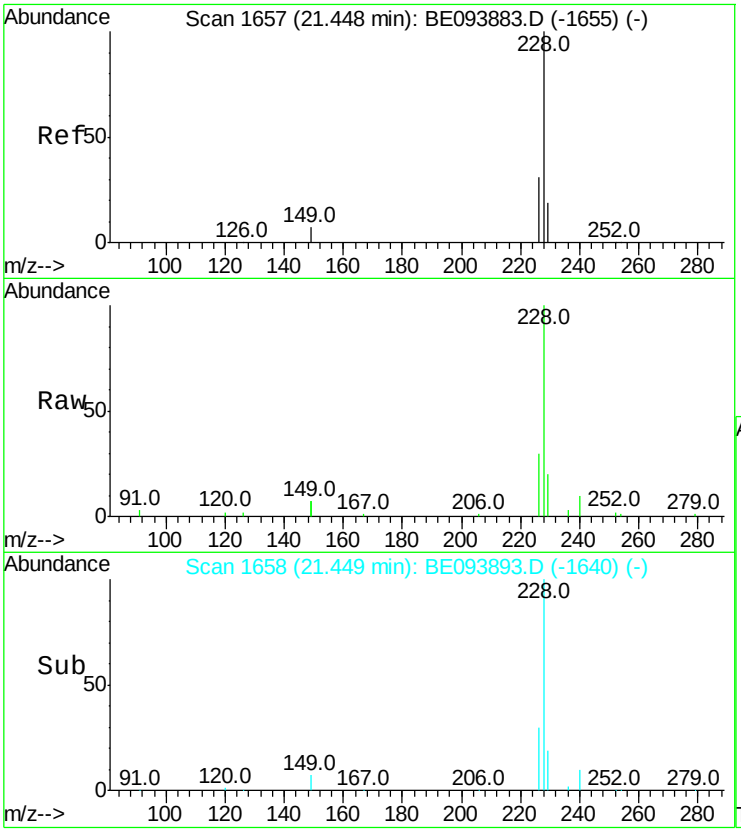


#30
Benzo(a)anthracene
Concen: 0.306 ng
RT: 21.39 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:228 Resp: 10733

Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.8	31.2
229	19.9	16.6	25.0



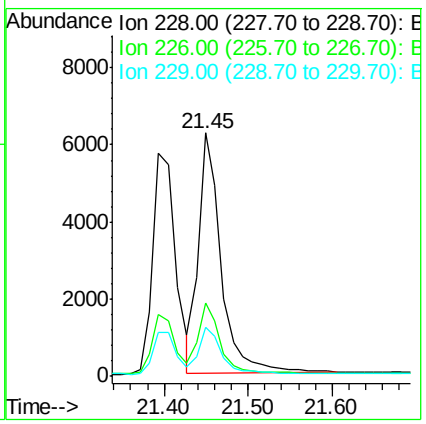


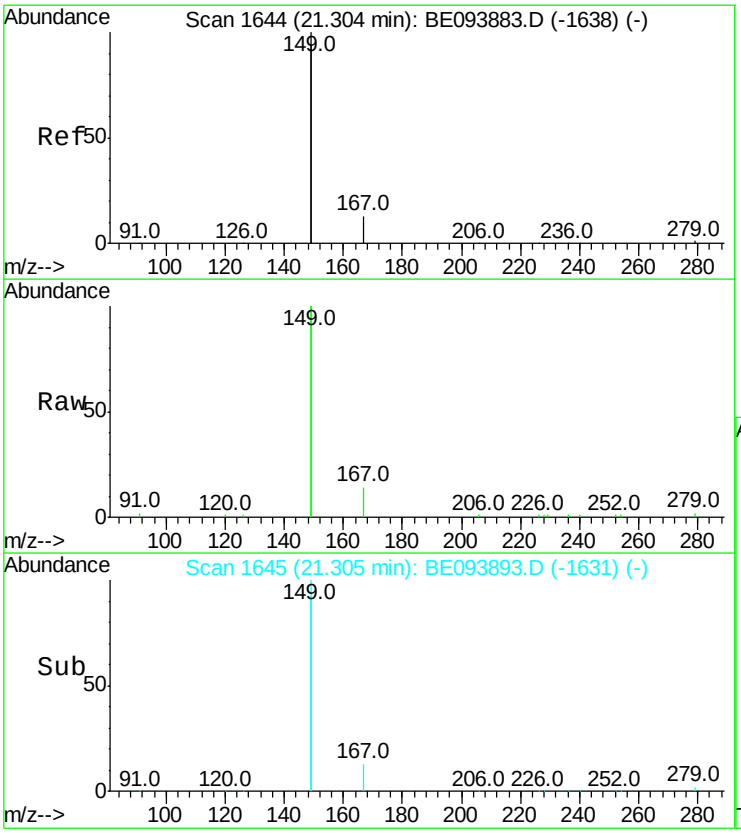
#31
Chrysene
Concen: 0.303 ng
RT: 21.45 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 11811

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	20.0	15.8	23.8

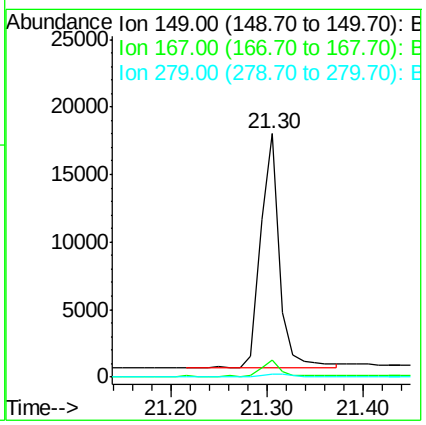


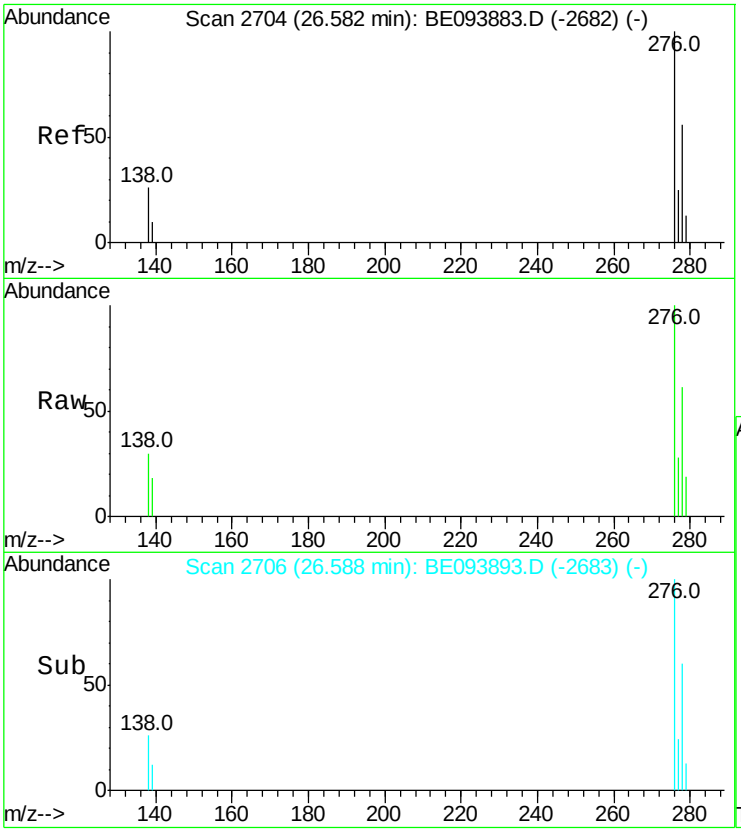


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.320 ng
RT: 21.30 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:149 Resp: 23658

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1



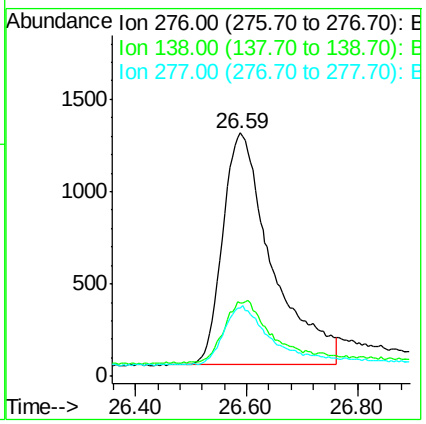


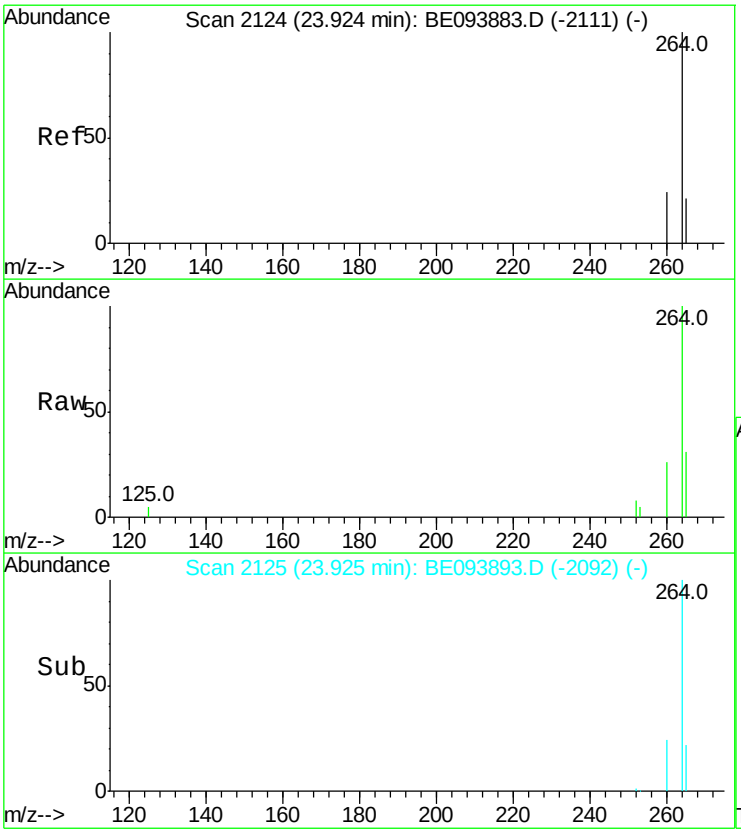
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.289 ng
RT: 26.59 min Scan# 2706
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 7690

Ion	Ratio	Lower	Upper
276	100		
138	24.6	22.2	33.2
277	25.0	19.5	29.3

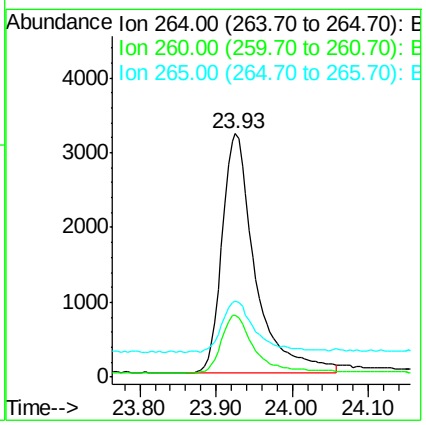


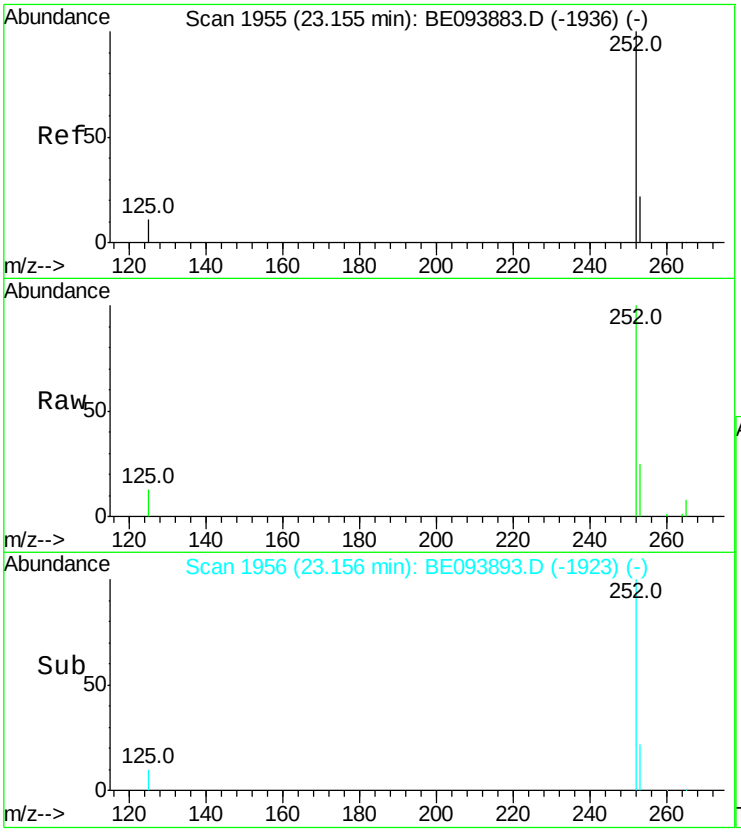


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:264 Resp: 9651

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.0	30.0
265	31.4	24.0	36.0



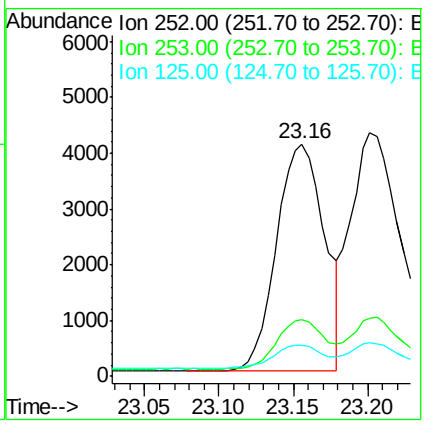


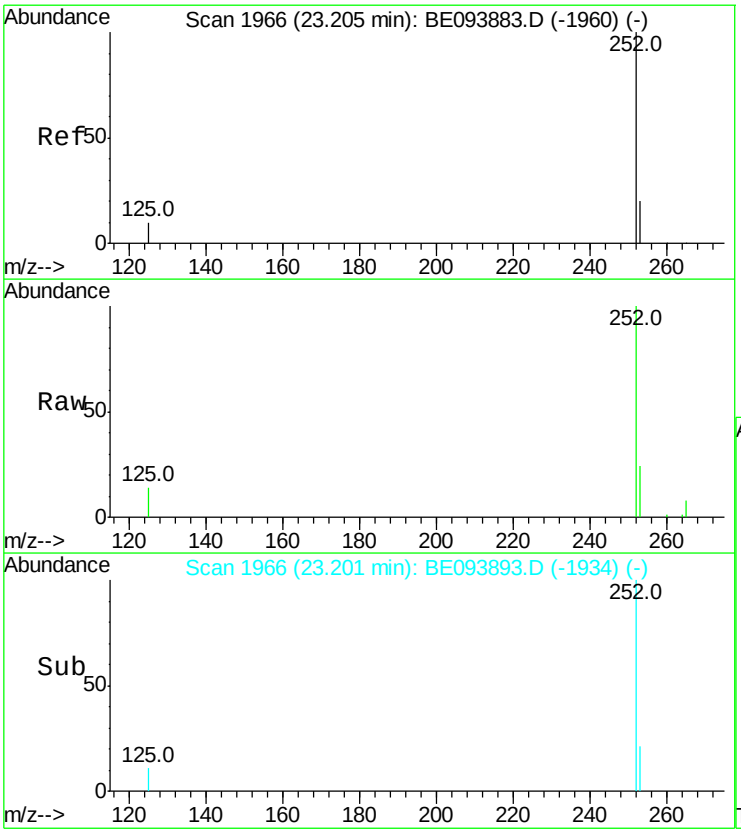
#35
Benzo(b)fluoranthene
Concen: 0.295 ng
RT: 23.16 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 9103

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.0
125	13.4	10.0	15.0

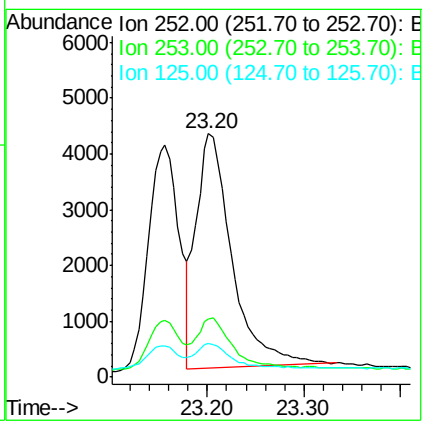


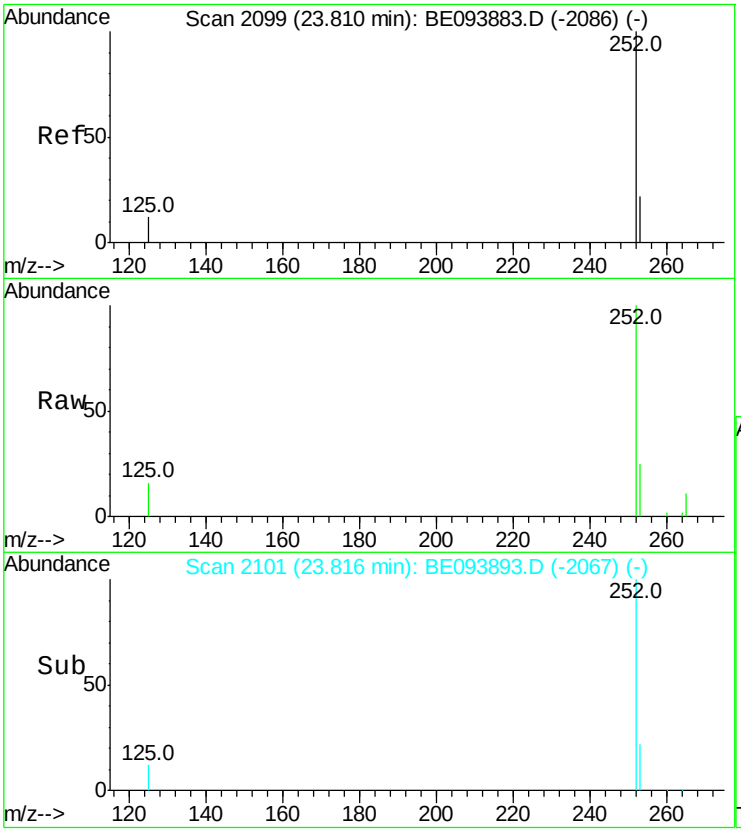


#36
Benzo(k)fluoranthene
Concen: 0.308 ng
RT: 23.20 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:252 Resp: 10845

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	13.8	9.8	14.6



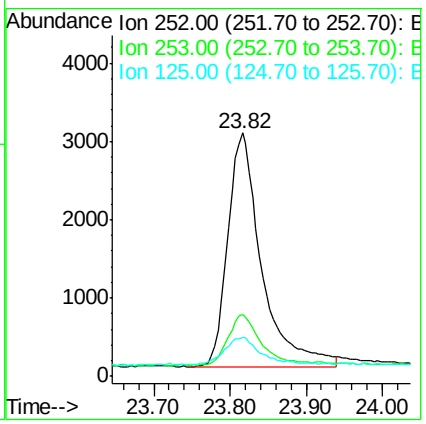


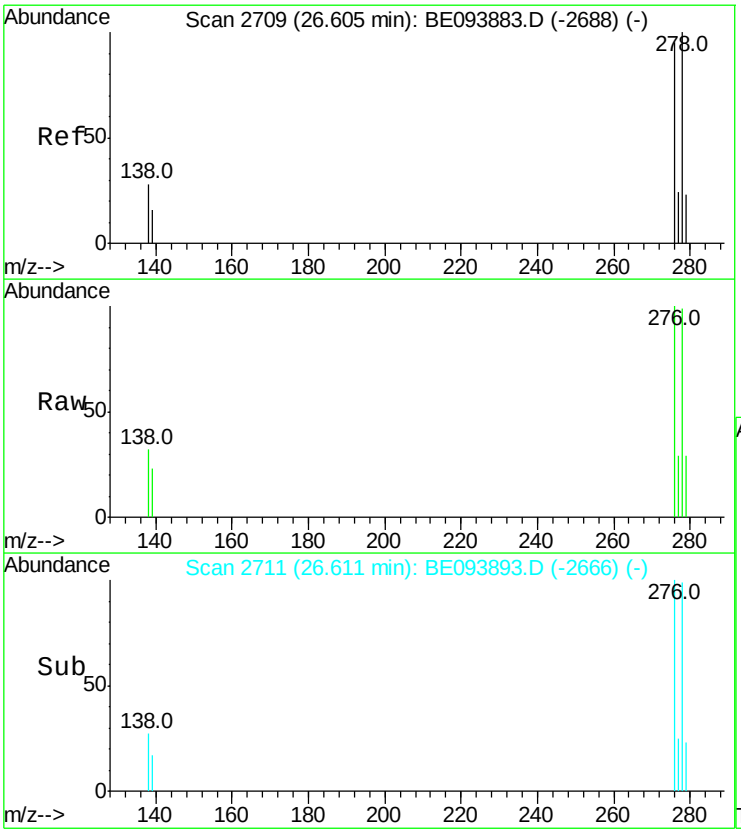
#37
Benzo(a)pyrene
Concen: 0.304 ng
RT: 23.82 min Scan# 2101
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 9286

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.6	29.4
125	16.0	11.8	17.8

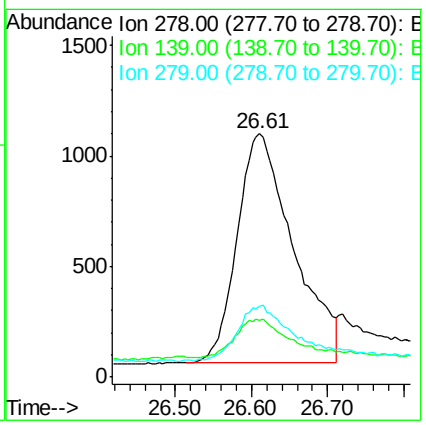


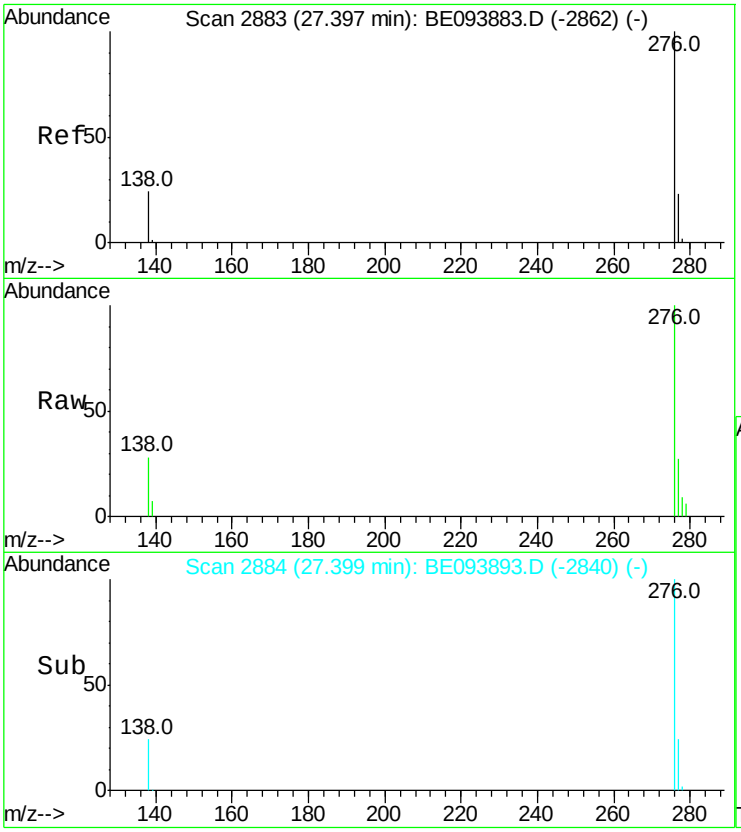


#38
Dibenzo(a,h)anthracene
Concen: 0.247 ng
RT: 26.61 min Scan# 2711
Delta R.T. 0.01 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Tgt Ion:278 Resp: 5331

Ion	Ratio	Lower	Upper
278	100		
139	23.5	16.7	25.1
279	29.2	21.6	32.4





#39
Benzo(g,h,i)perylene
Concen: 0.295 ng
RT: 27.40 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BE093893.D
Acq: 28 Aug 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 6926

Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.6	30.8
138	28.2	21.9	32.9