Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082817\
Data File : BE093892.D
Acq On : 28 Aug 2017 11:36
Operator : SJ/JU
Sample : PB101832BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 28 12:51:16 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	1790	0.40	ng		0.00
7) Naphthalene-d8	10.71	136	7752	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4244	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	10360	0.40	ng		0.00
27) Chrysene-d12	21.42	240	13189	0.40	ng		0.00
34) Perylene-d12	23.93	264	10907	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.51	112	1885	0.34	ng		0.00
5) Phenol-d6	7.10	99	2564	0.30	ng		0.01
8) Nitrobenzene-d5	9.06	82	2293	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.29	152	4501	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	366	0.32	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	5362	0.32	ng		-0.01
25) Fluoranthene-d10	19.27	212	48329	0.40	ng		0.00
29) Terphenyl-d14	19.87	244	10469	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	792	0.322	ng	#	44
3) n-Nitrosodimethylamine	3.74	42	838	0.306	ng	#	90
6) bis(2-Chloroethyl)ether	7.34	93	1953	0.301	ng		100
9) Naphthalene	10.76	128	26564	0.301	ng		100
10) Hexachlorobutadiene	11.04	225	995	0.319	ng		99
12) 2-Methylnaphthalene	12.36	142	4458	0.302	ng		99
16) Acenaphthylene	14.24	152	6327	0.301	ng		99
17) Acenaphthene	14.58	154	4198	0.296	ng		99
18) Fluorene	15.56	166	5880	0.321	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1283	0.292	ng		94
21) Hexachlorobenzene	16.58	284	1113	0.286	ng	#	100
22) Pentachlorophenol	16.94	266	675	0.416	ng		97
23) Phenanthrene	17.30	178	8197	0.311	ng	#	100
24) Anthracene	17.37	178	8280	0.264	ng	#	100
26) Fluoranthene	19.30	202	12712	0.352	ng		100
28) Pyrene	19.67	202	13061	0.294	ng		99
30) Benzo(a)anthracene	21.39	228	12392	0.316	ng		97
31) Chrysene	21.45	228	13155	0.302	ng		100
32) Bis(2-ethylhexyl)phthalate	21.30	149	28297	0.343	ng		99
33) Indeno(1,2,3-cd)pyrene	26.59	276	8884	0.299	ng		98
35) Benzo(b)fluoranthene	23.16	252	10372	0.298	ng		98
36) Benzo(k)fluoranthene	23.21	252	12391	0.311	ng		97
37) Benzo(a)pyrene	23.81	252	10544	0.305	ng		98
38) Dibenzo(a,h)anthracene	26.61	278	7415	0.304	ng		96
39) Benzo(g,h,i)perylene	27.40	276	7744	0.291	ng		97

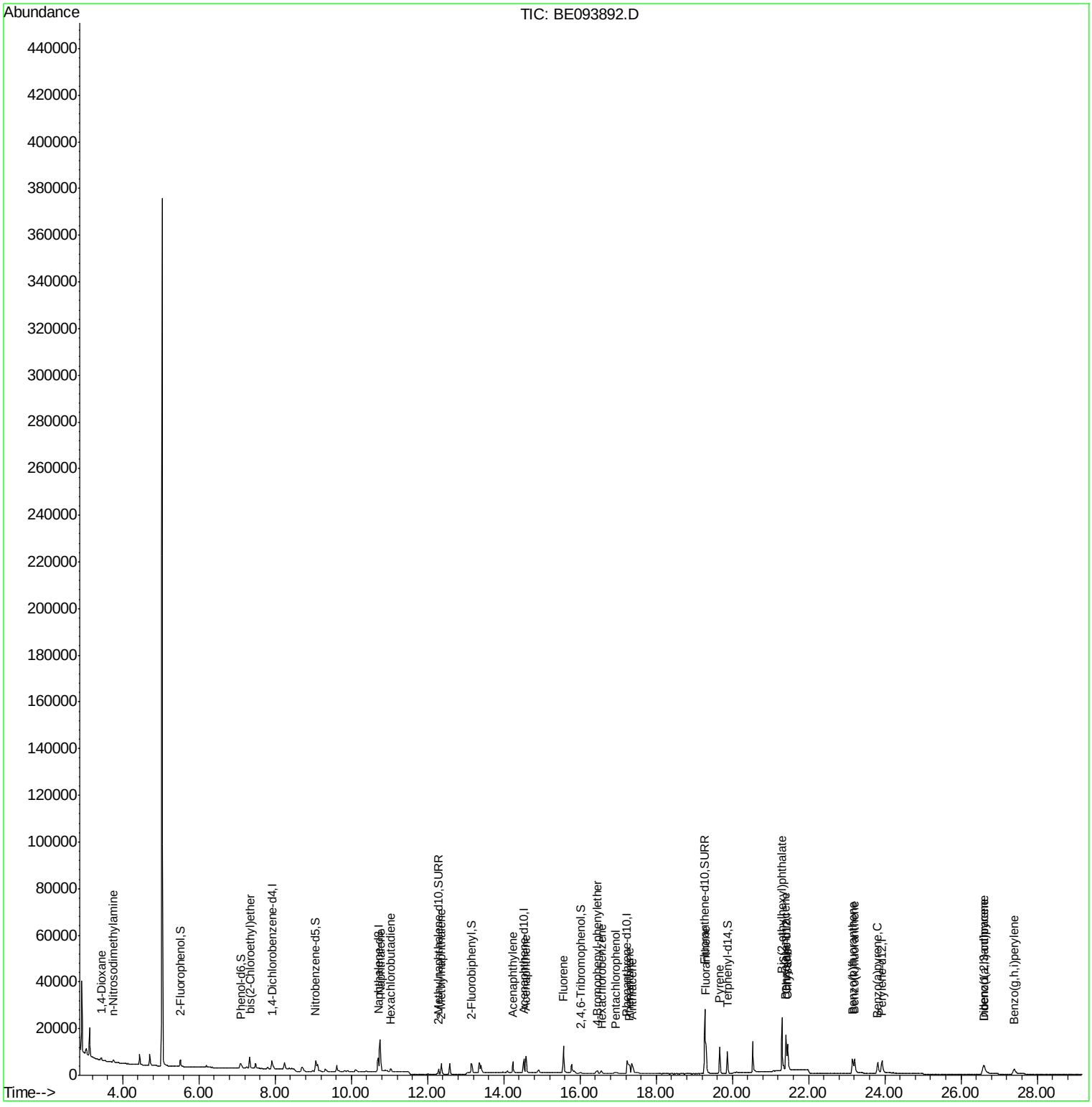
(#) = qualifier out of range (m) = manual integration (+) = signals summed

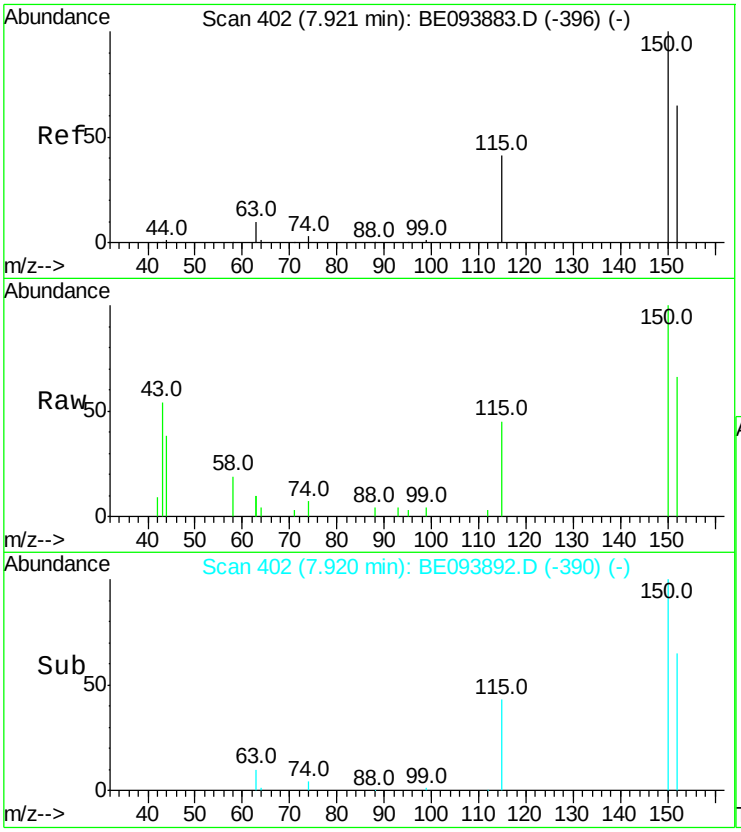
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082817\
Data File : BE093892.D
Acq On : 28 Aug 2017 11:36
Operator : SJ/JU
Sample : PB101832BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 28 12:51:16 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



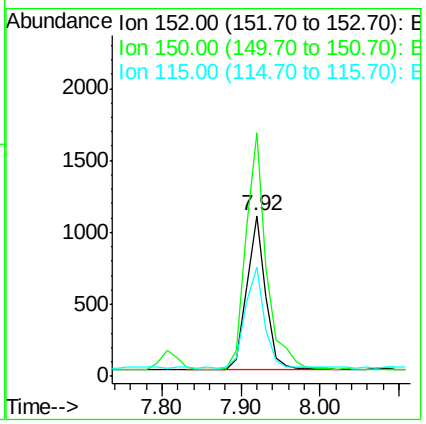


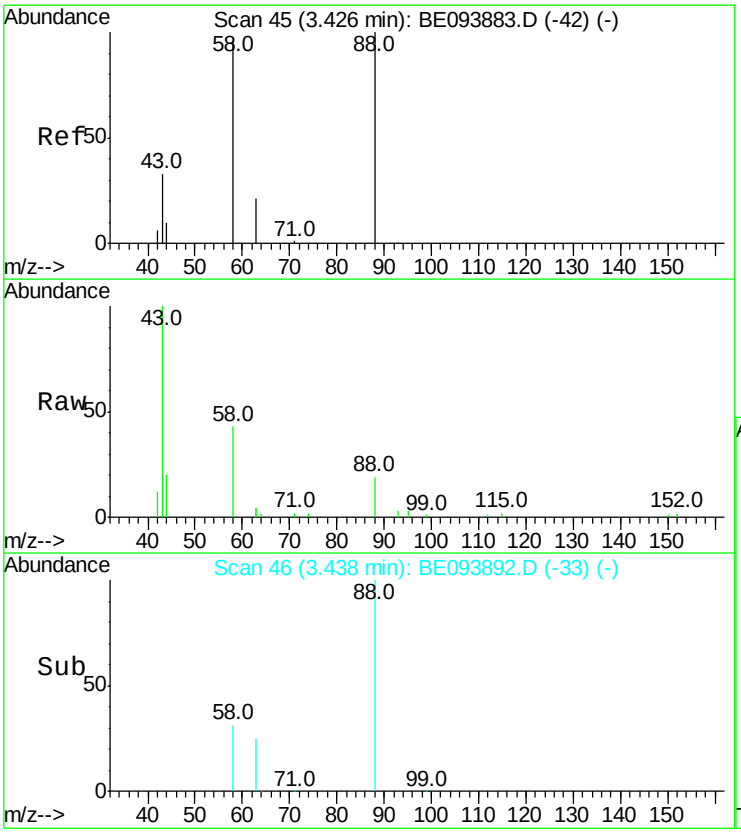
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1790

Ion	Ratio	Lower	Upper
152	100		
150	151.6	121.8	182.6
115	68.2	52.6	79.0

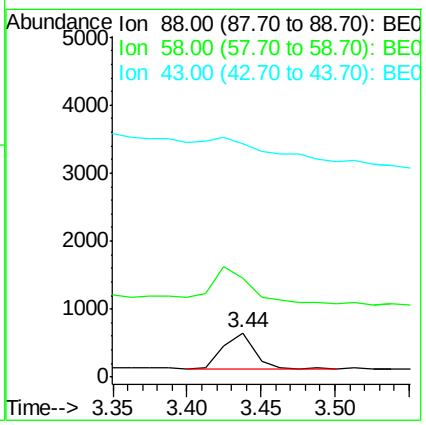


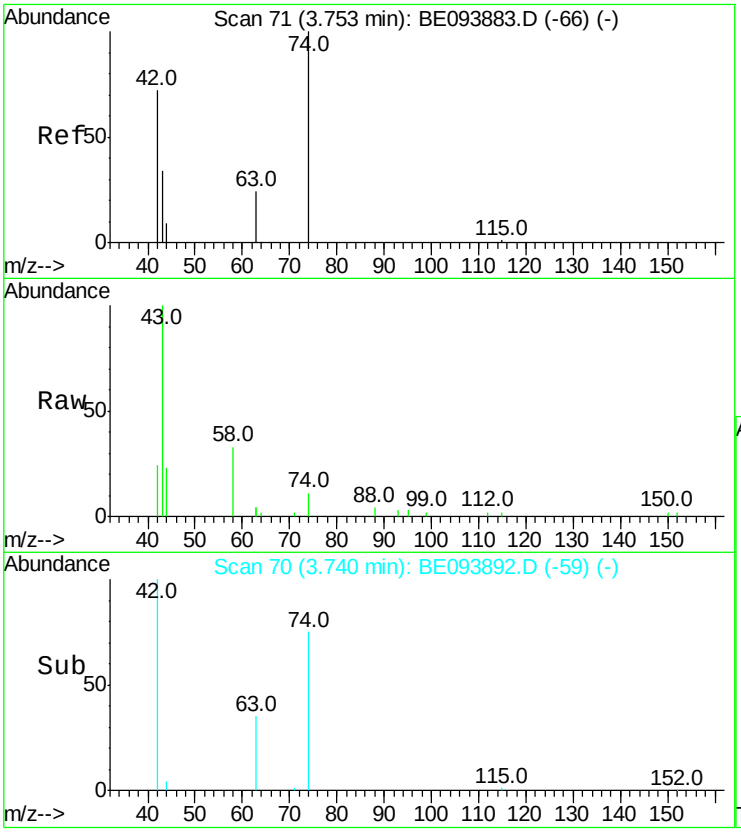


#2
1,4-Dioxane
Concen: 0.322 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion: 88 Resp: 792

Ion	Ratio	Lower	Upper
88	100		
58	132.4	65.4	98.0#
43	0.0	23.9	35.9#



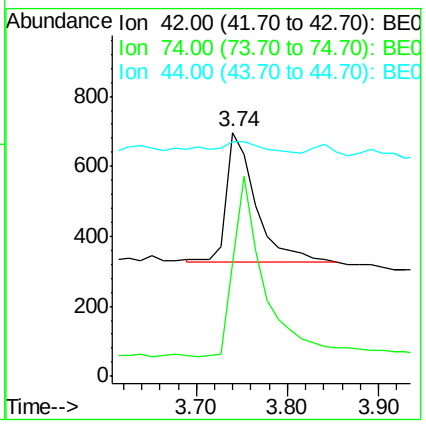


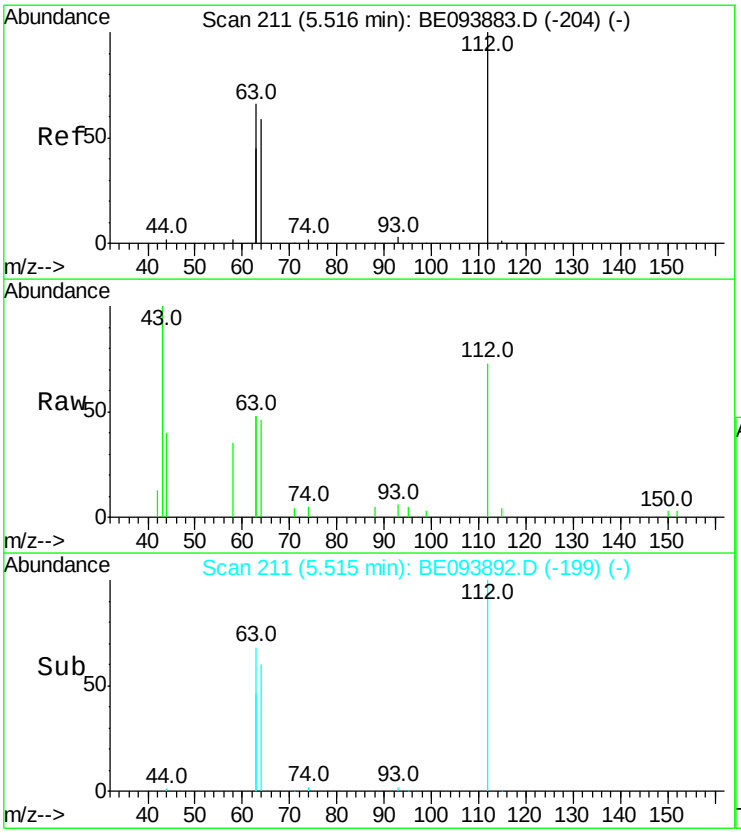
#3
n-Nitrosodimethylamine
Concen: 0.306 ng
RT: 3.74 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 838

Ion	Ratio	Lower	Upper
42	100		
74	141.3	104.0	156.0
44	11.8	13.8	20.8#

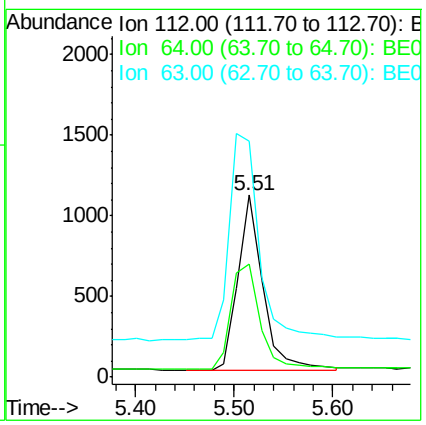


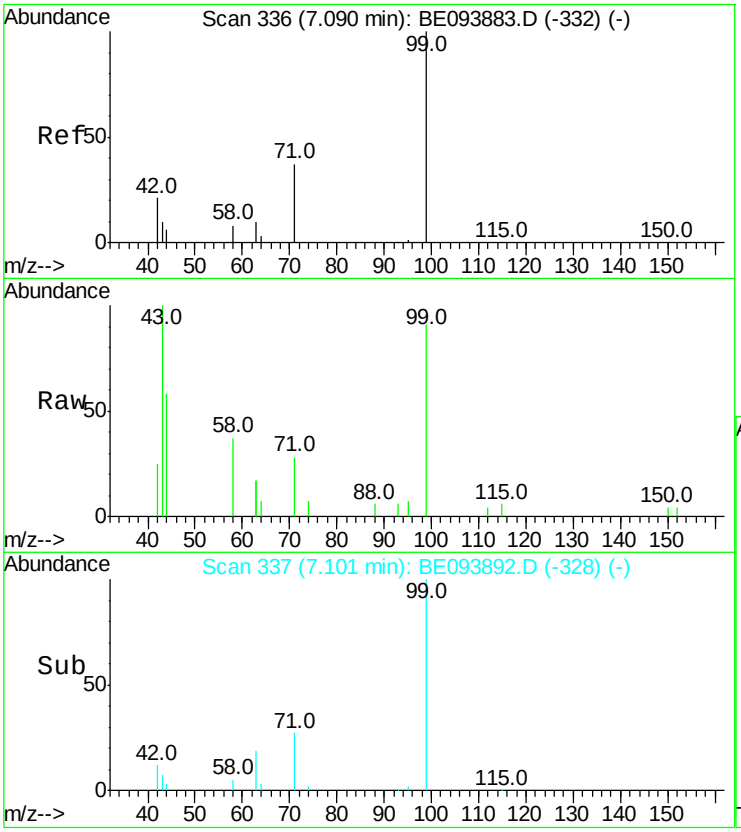


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.51 min Scan# 211
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:112 Resp: 1885

Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.7	86.5
63	140.9	116.0	174.0



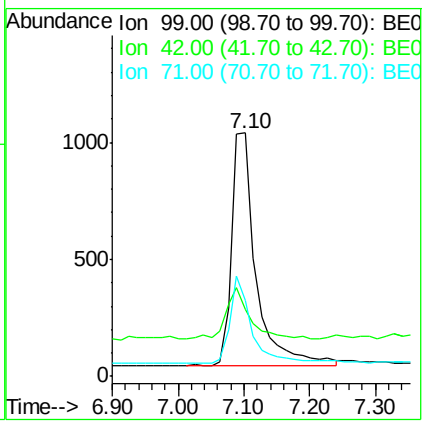


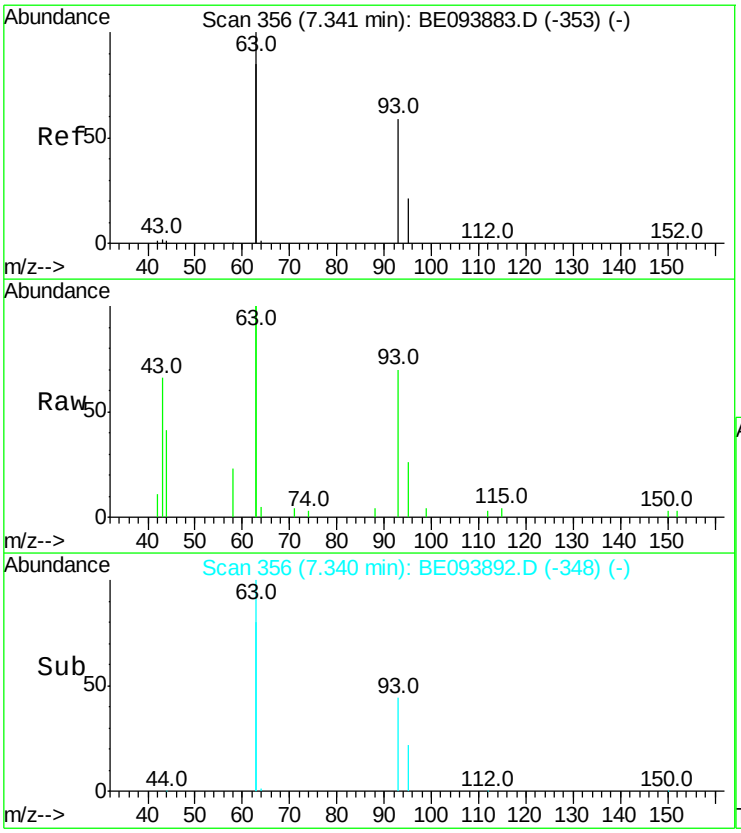
#5
Phenol-d6
Concen: 0.304 ng
RT: 7.10 min Scan# 337
Delta R.T. 0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 2564

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	33.0	26.6	39.8

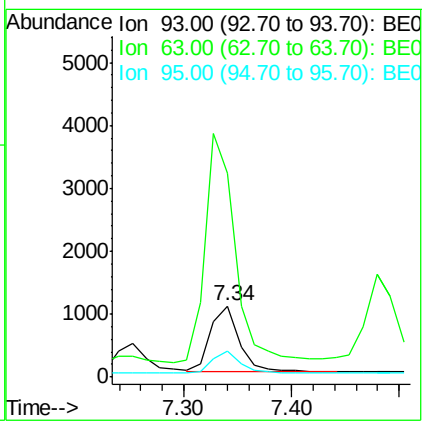


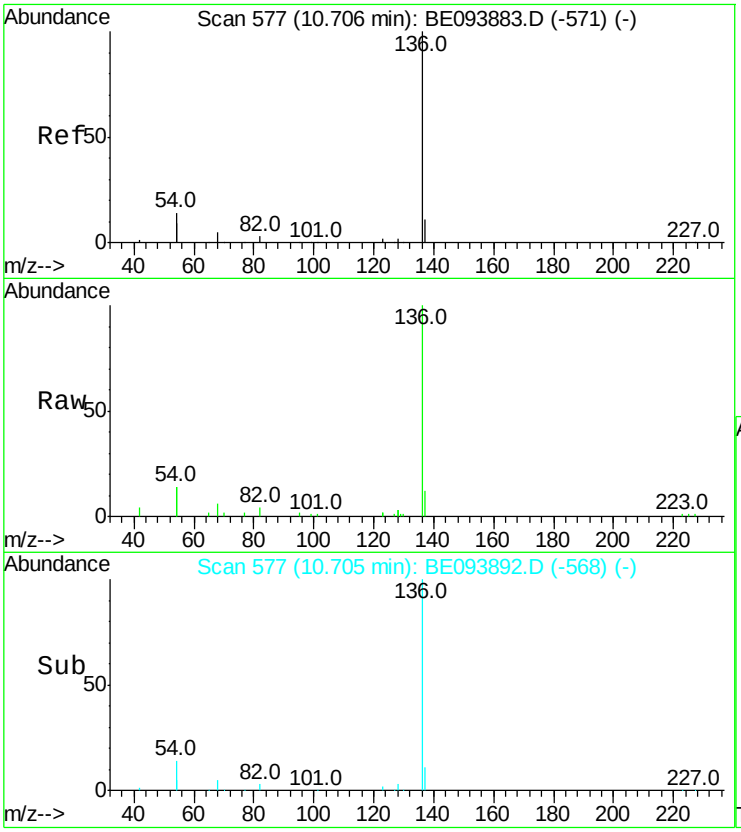


#6
bis(2-Chloroethyl)ether
Concen: 0.301 ng
RT: 7.34 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion: 93 Resp: 1953

Ion	Ratio	Lower	Upper
93	100		
63	355.2	283.4	425.2
95	33.3	26.9	40.3



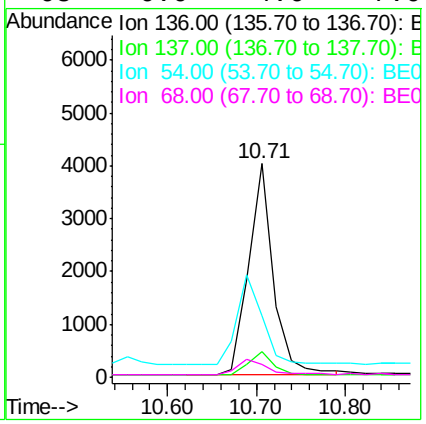


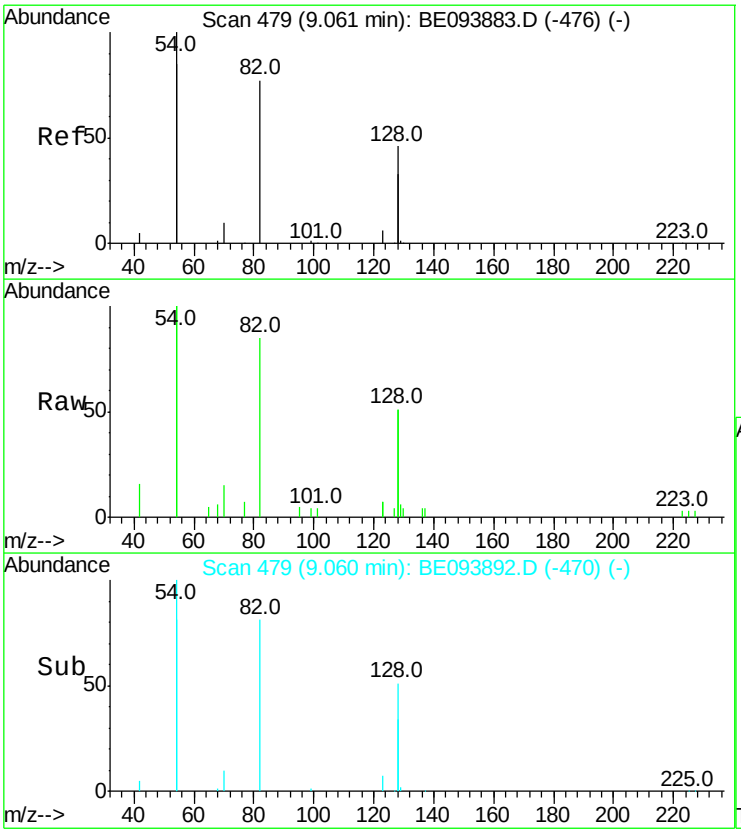
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 7752

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	28.6	21.9	32.9
68	6.0	4.6	7.0

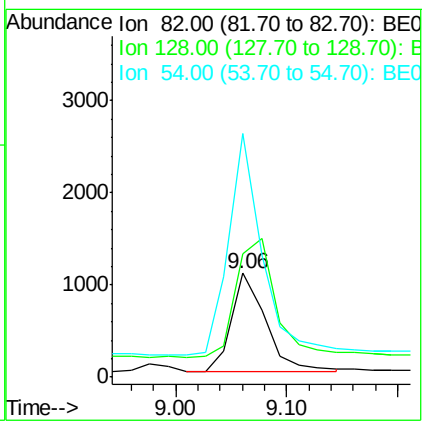


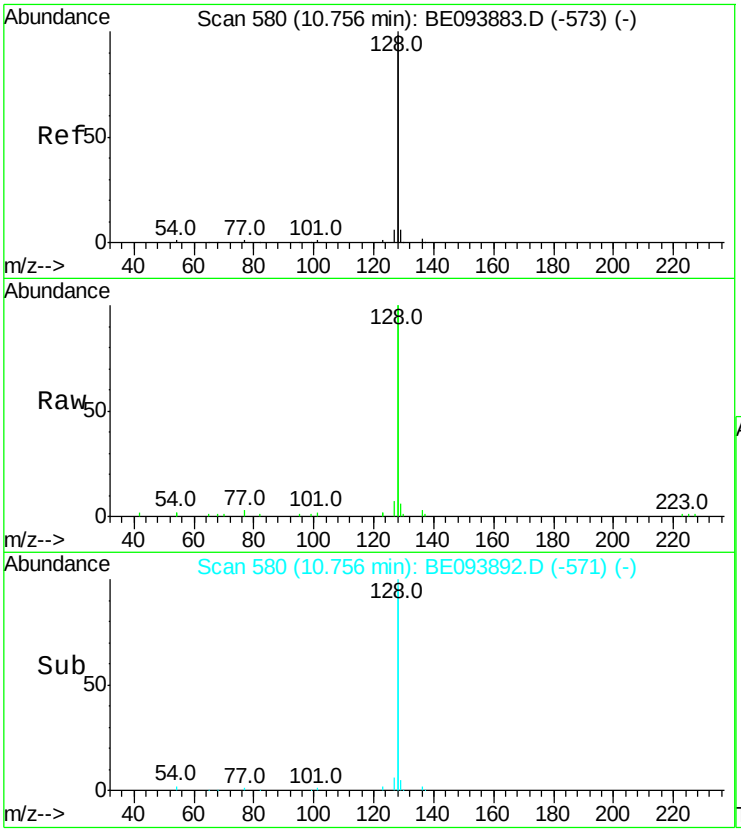


#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion: 82 Resp: 2293

Ion	Ratio	Lower	Upper
82	100		
128	119.4	91.4	137.0
54	235.1	197.8	296.8



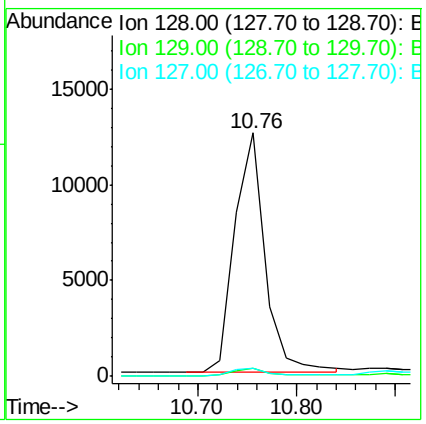


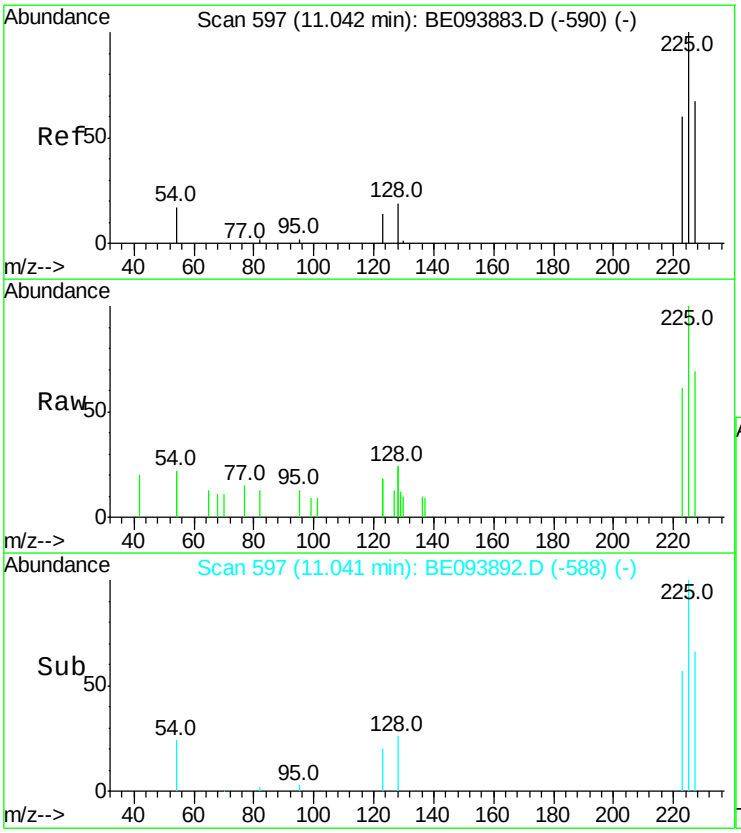
#9
Naphthalene
Concen: 0.301 ng
RT: 10.76 min Scan# 580
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 26564

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

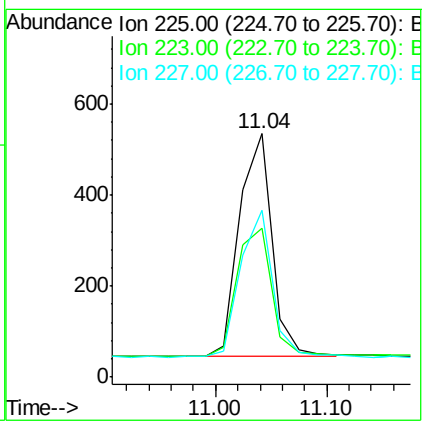


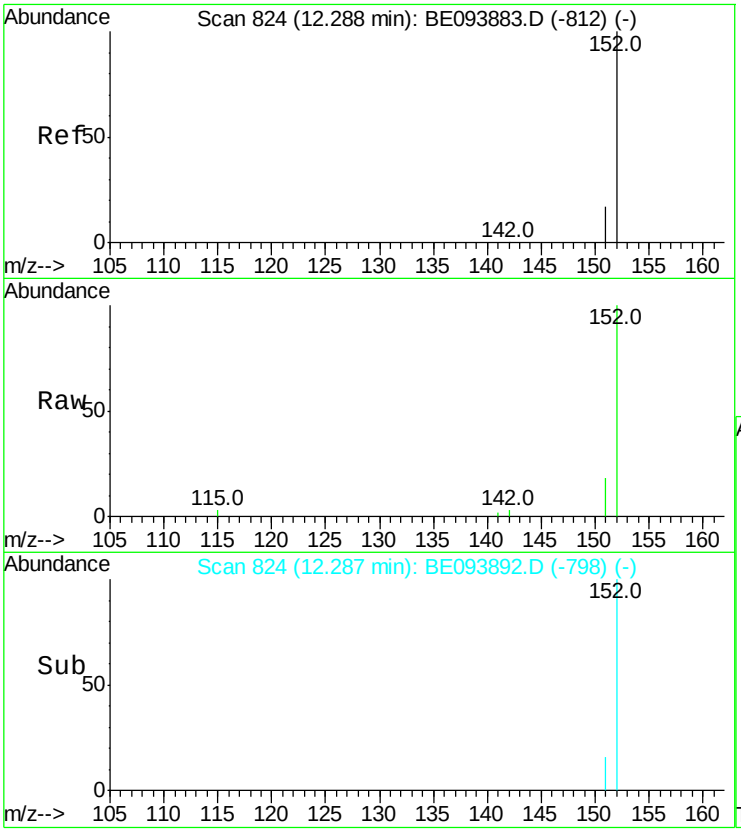


#10
Hexachlorobutadiene
Concen: 0.319 ng
RT: 11.04 min Scan# 597
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:225 Resp: 995

Ion	Ratio	Lower	Upper
225	100		
223	61.6	49.4	74.0
227	65.2	50.5	75.7

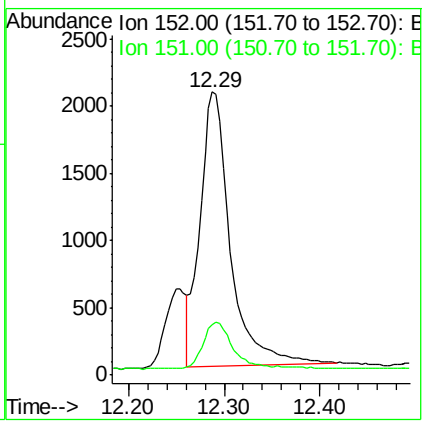




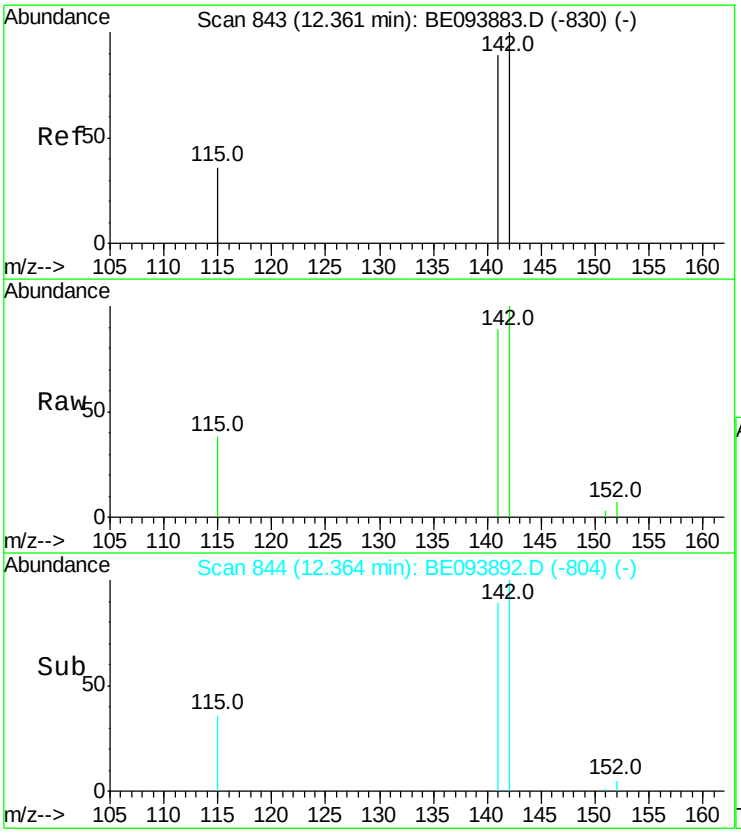
#11
2-Methylnaphthalene-d10
Concen: 0.367 ng
RT: 12.29 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:152 Resp: 4501

Ion	Ratio	Lower	Upper
152	100		
151	16.7	15.4	23.0



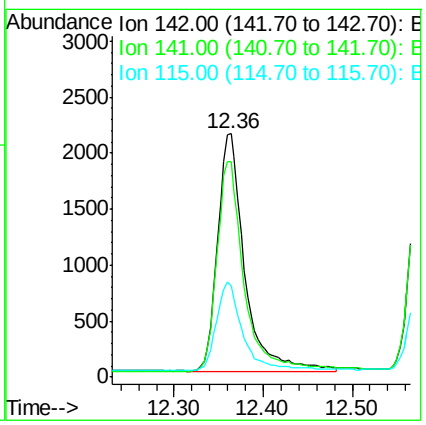
Instrument :
BNA_E
ClientSampleId :

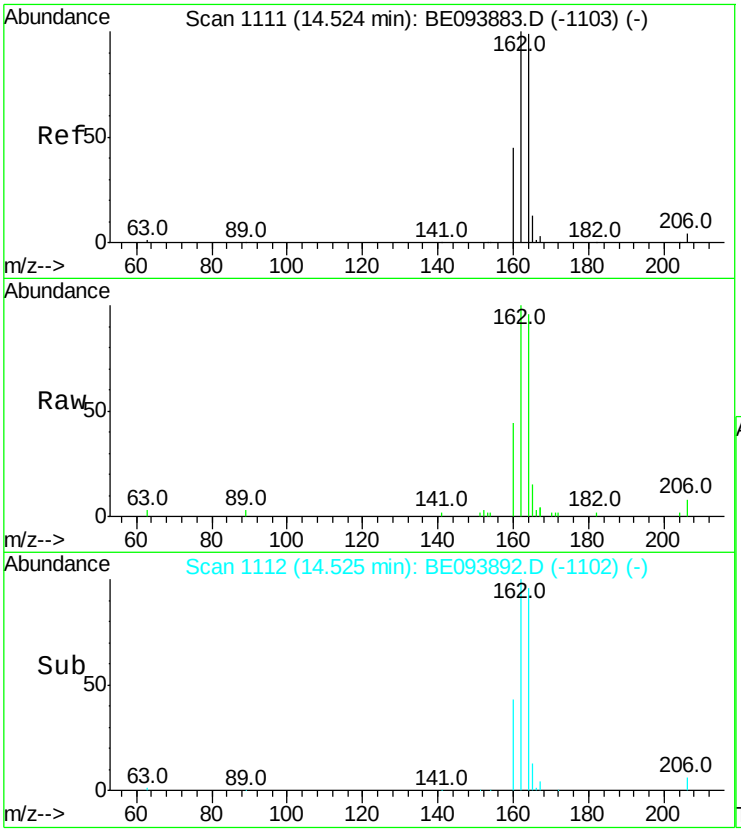


#12
2-Methylnaphthalene
Concen: 0.302 ng
RT: 12.36 min Scan# 844
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:142 Resp: 4458

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	37.5	29.4	44.0



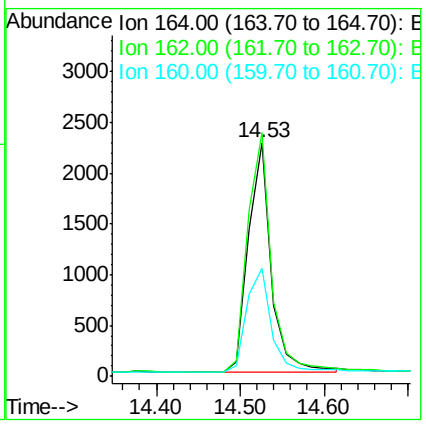


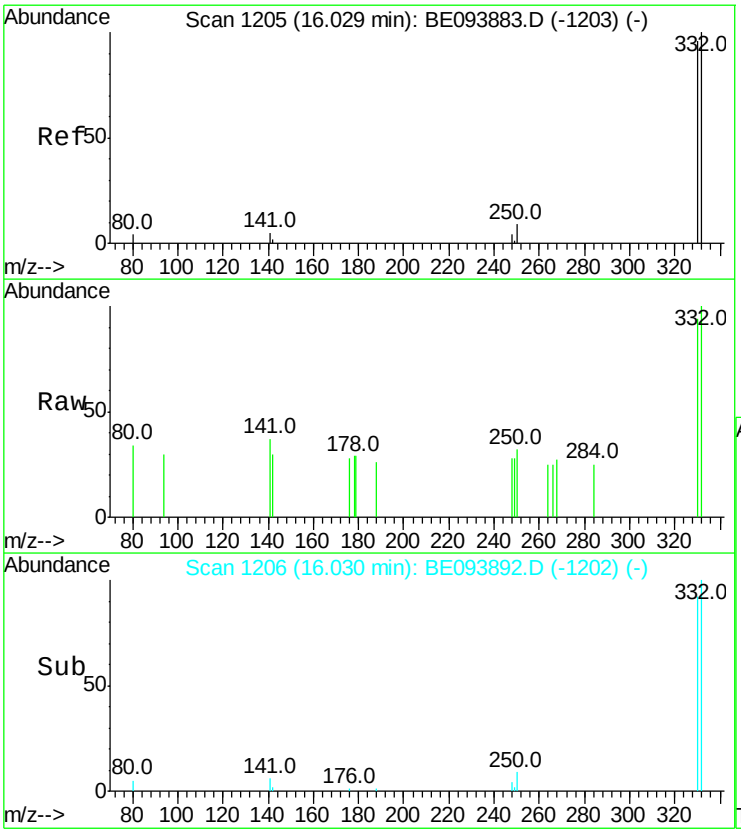
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 4244

Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.8	121.2
160	46.4	37.0	55.4

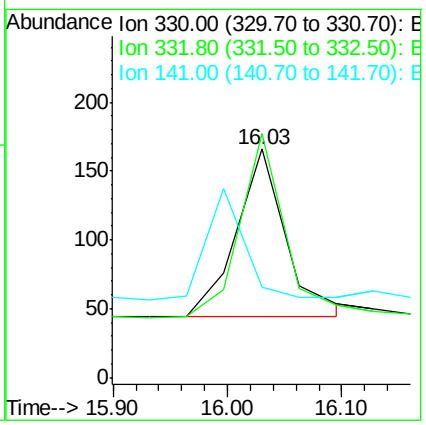


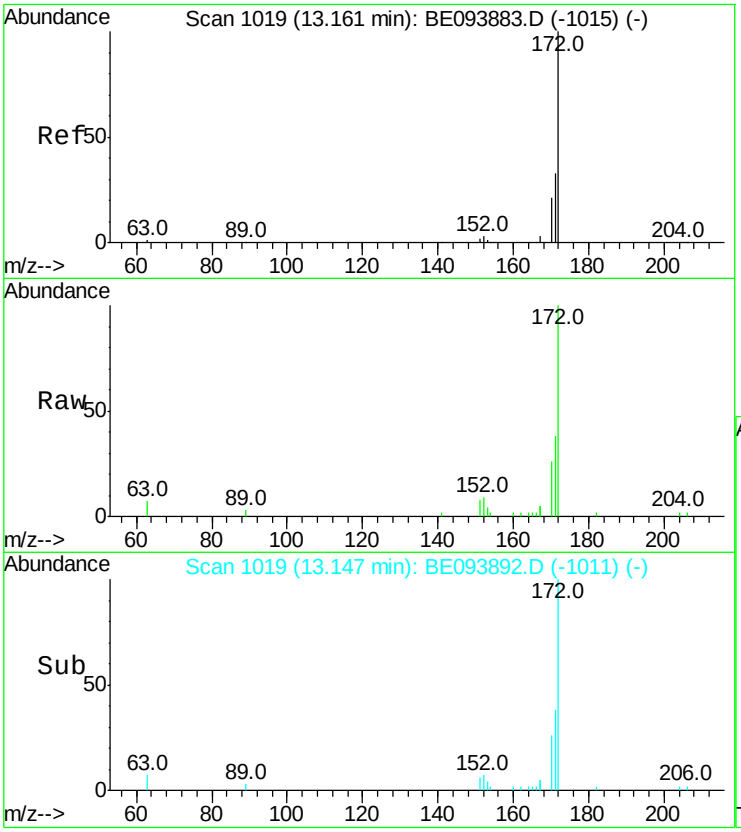


#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:330 Resp: 366

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	0.0	0.0	0.0



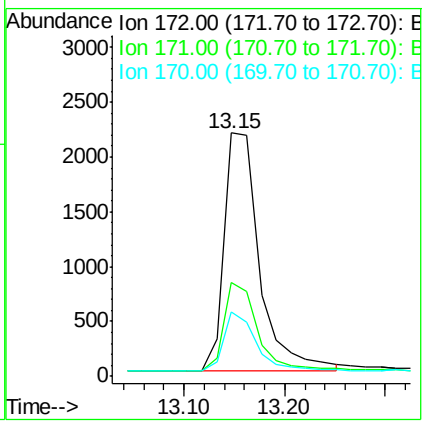


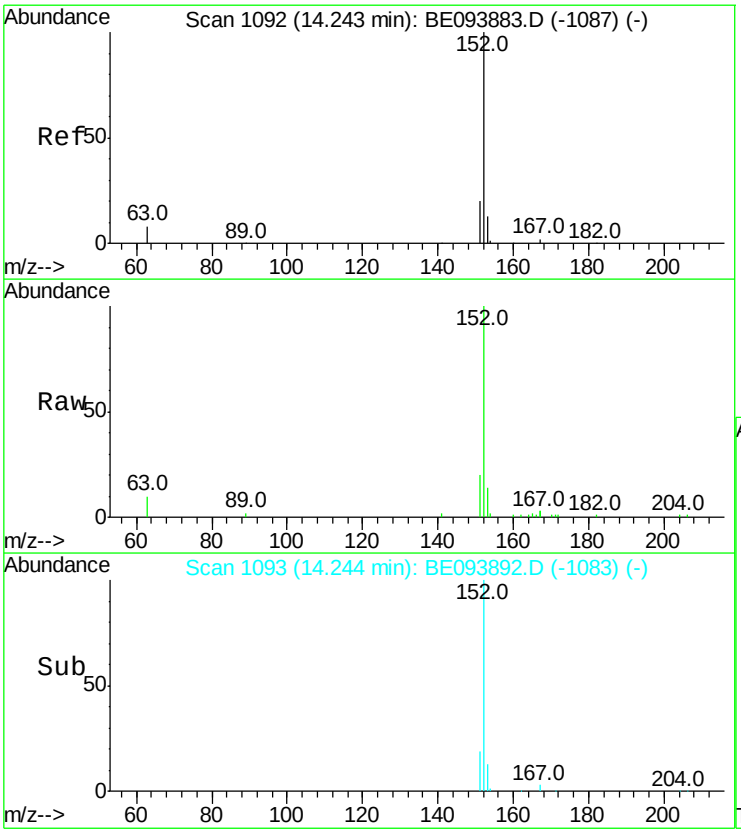
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 5362

Ion	Ratio	Lower	Upper
172	100		
171	38.5	26.9	40.3
170	26.5	17.3	25.9#

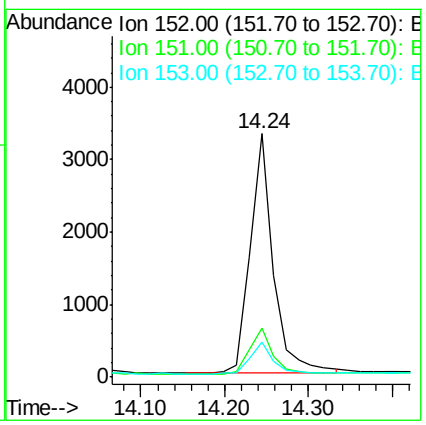


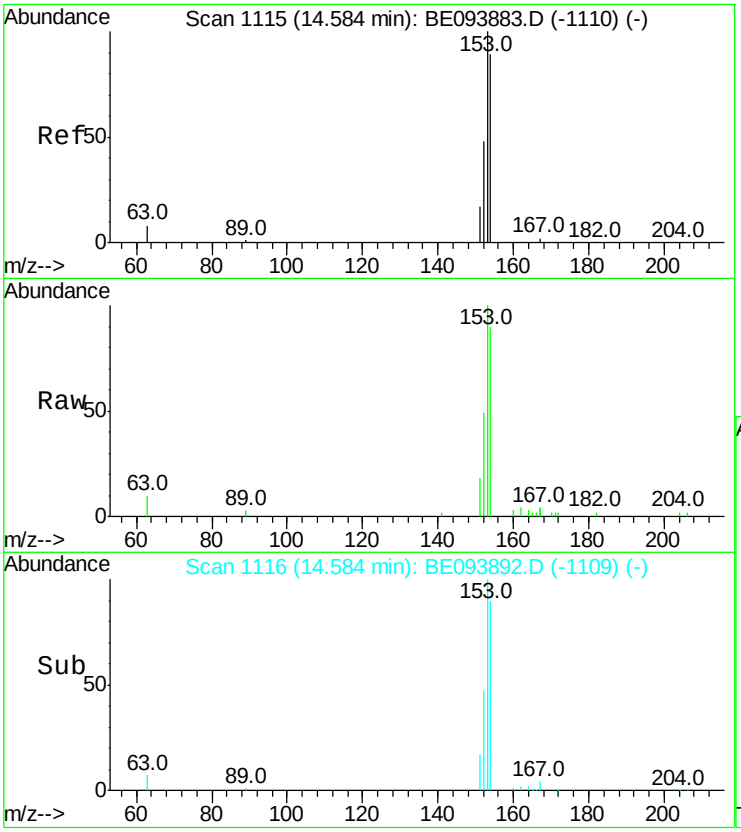


#16
Acenaphthylene
Concen: 0.301 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:152 Resp: 6327

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.7	23.5
153	13.0	10.6	16.0



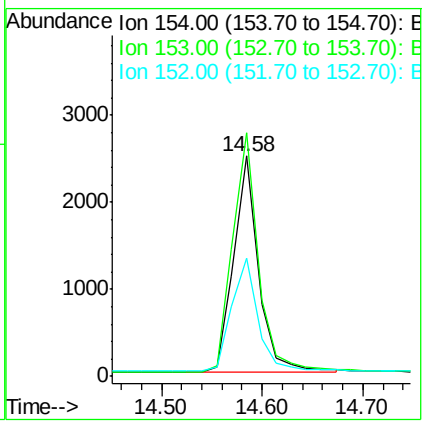


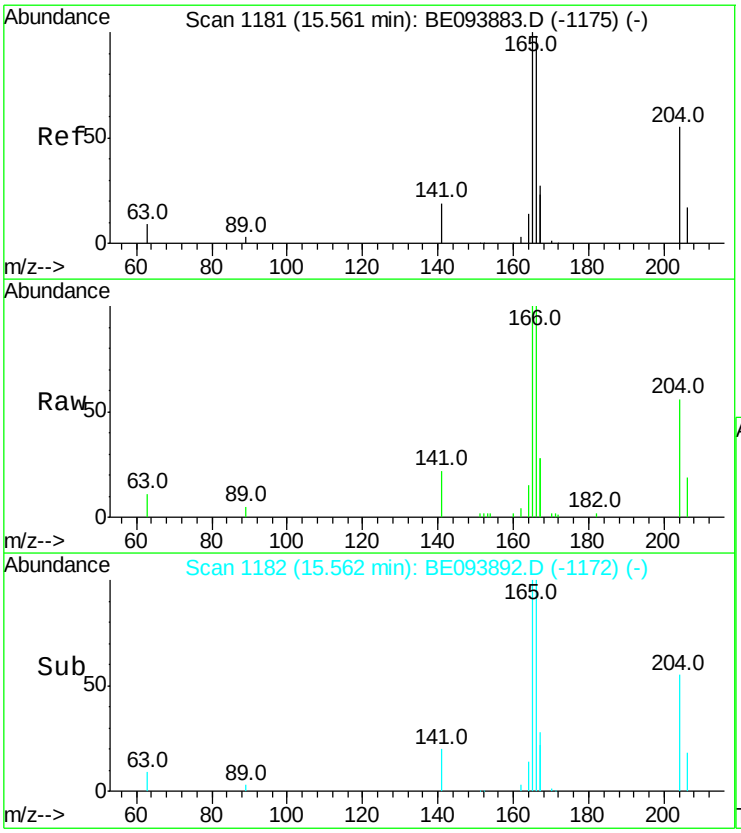
#17
Acenaphthene
Concen: 0.296 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 4198

Ion	Ratio	Lower	Upper
154	100		
153	115.7	91.8	137.6
152	55.4	44.9	67.3

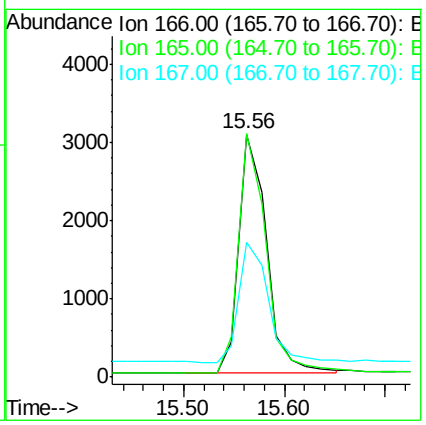


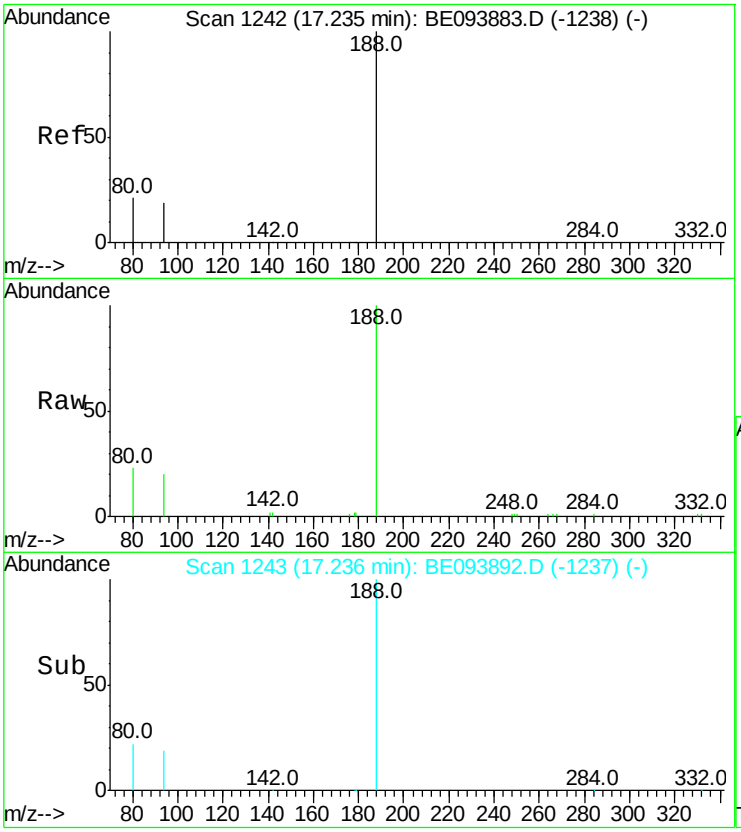


#18
Fluorene
Concen: 0.321 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:166 Resp: 5880

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.4	119.0
167	52.6	43.5	65.3



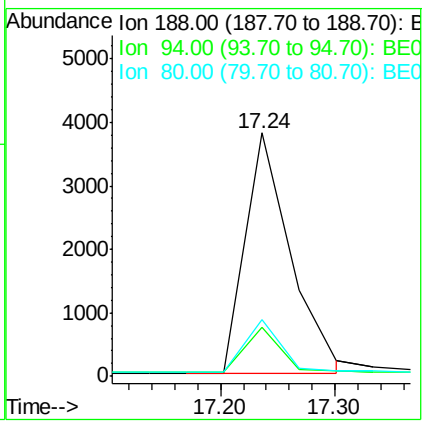


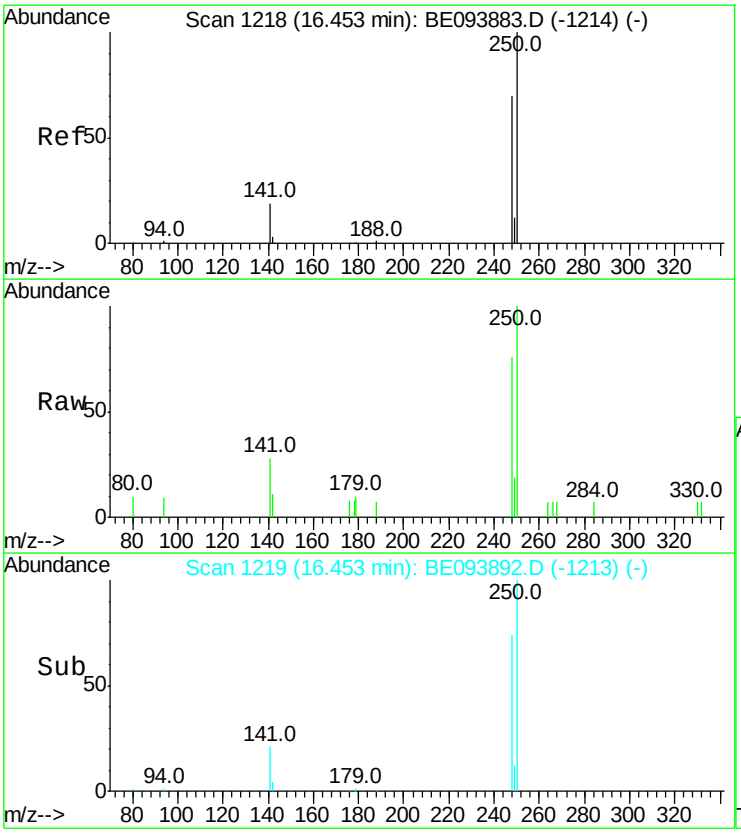
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 10360

Ion	Ratio	Lower	Upper
188	100		
94	20.2	16.1	24.1
80	23.2	18.2	27.2

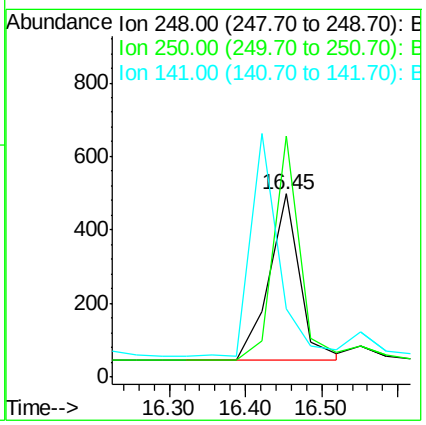


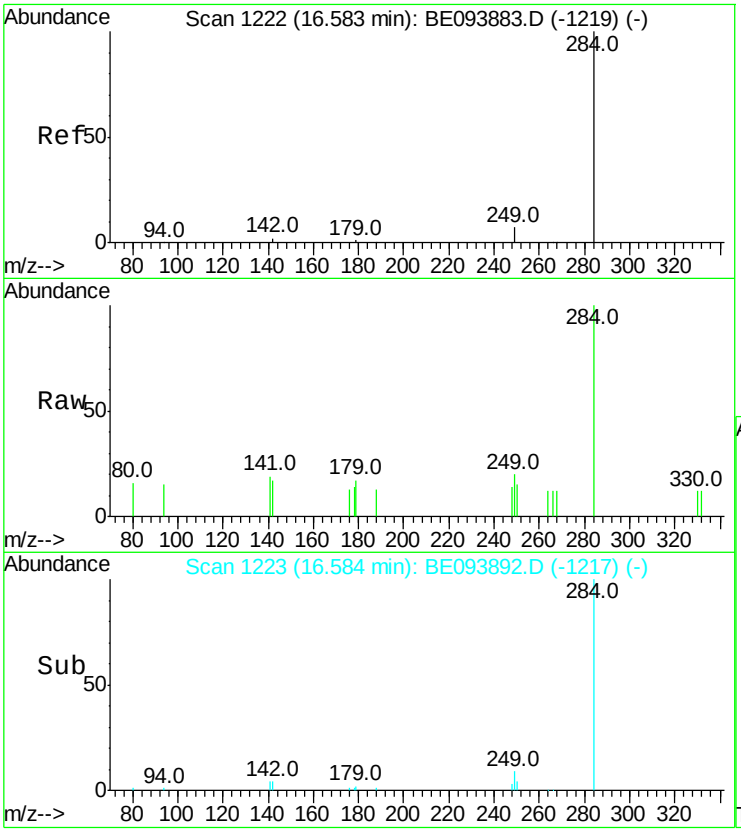


#20
4-Bromophenyl-phenylether
Concen: 0.292 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:248 Resp: 1283

Ion	Ratio	Lower	Upper
248	100		
250	131.9	111.8	167.8
141	37.6	27.1	40.7



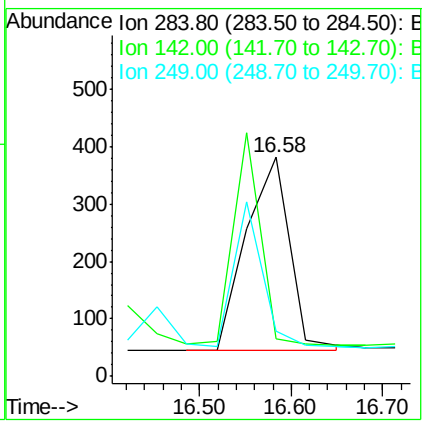


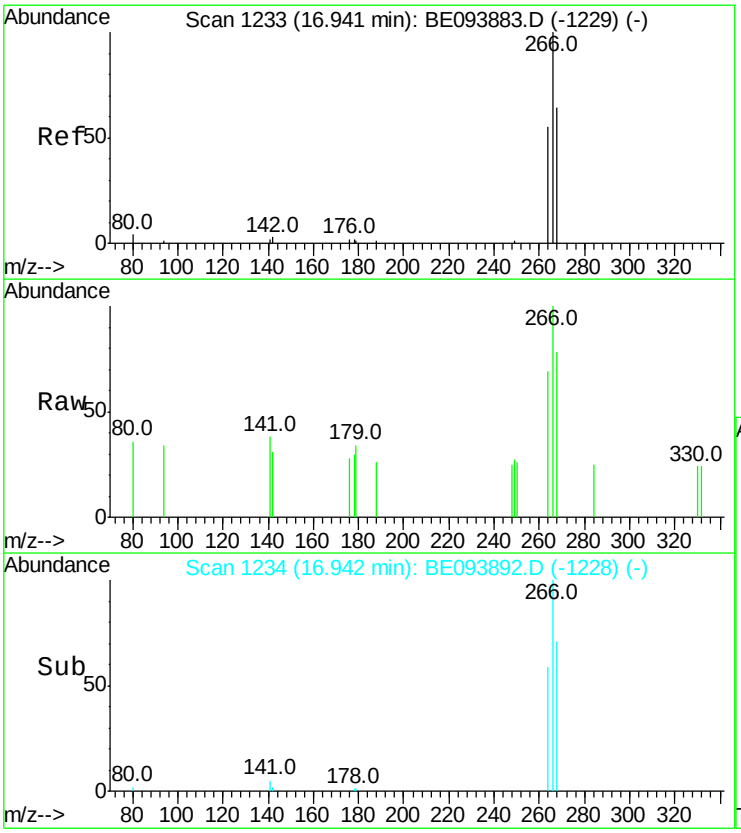
#21
Hexachlorobenzene
Concen: 0.286 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1113

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

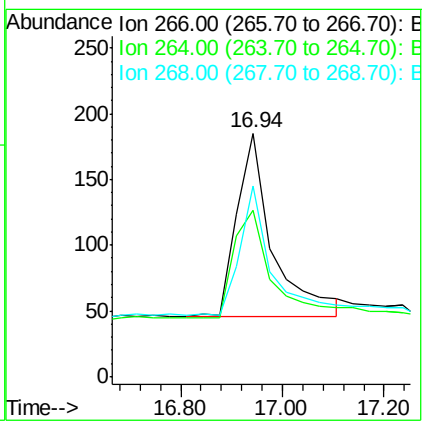


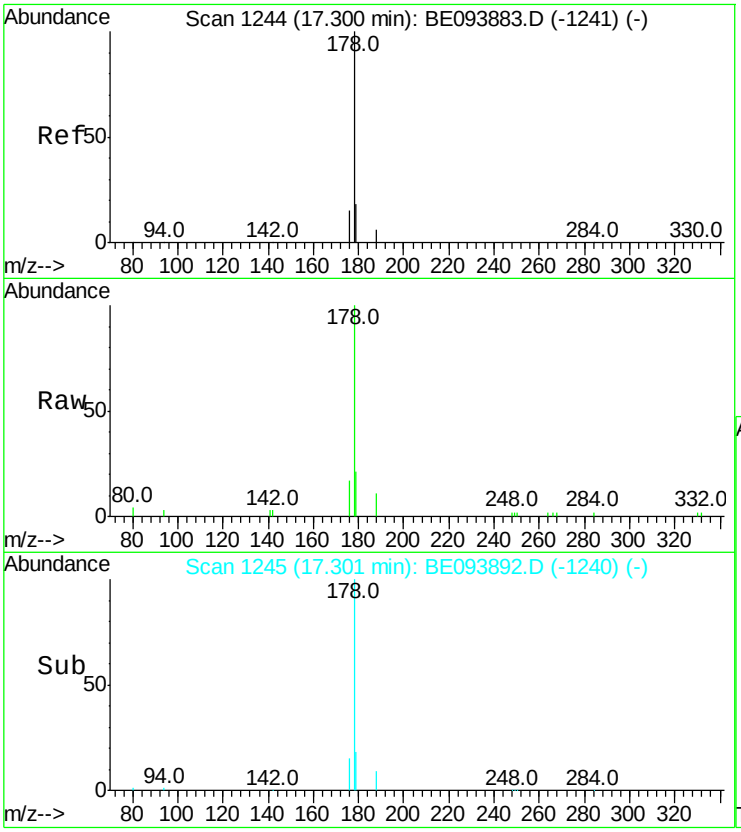


#22
Pentachlorophenol
Concen: 0.416 ng
RT: 16.94 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:266 Resp: 675

Ion	Ratio	Lower	Upper
266	100		
264	68.6	53.5	80.3
268	78.4	60.0	90.0



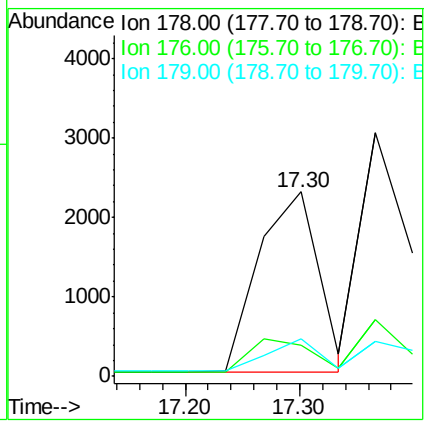


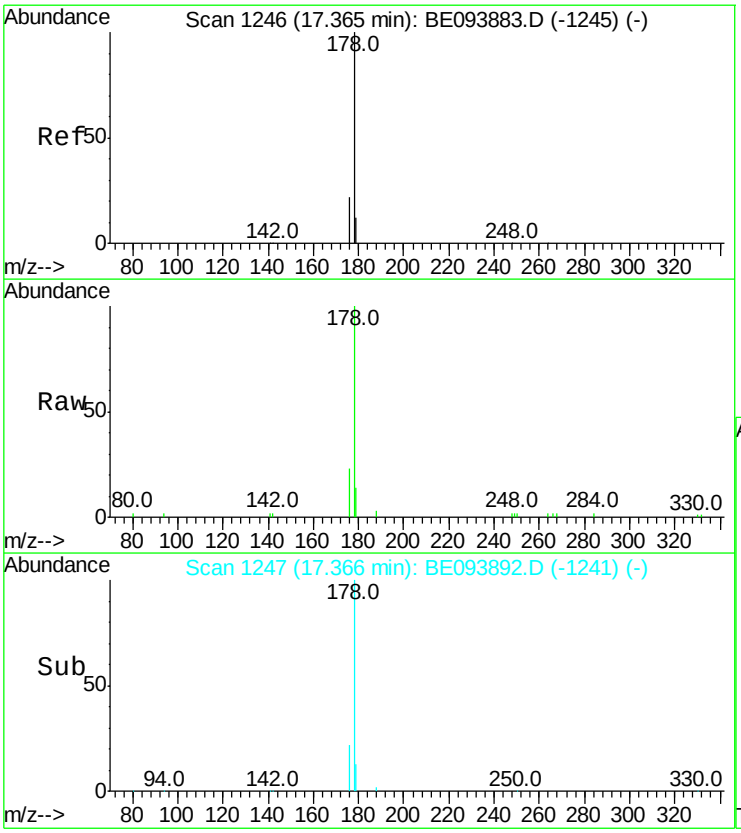
#23
Phenanthrene
Concen: 0.311 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 8197

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	0.0
179	15.5	12.6	18.8

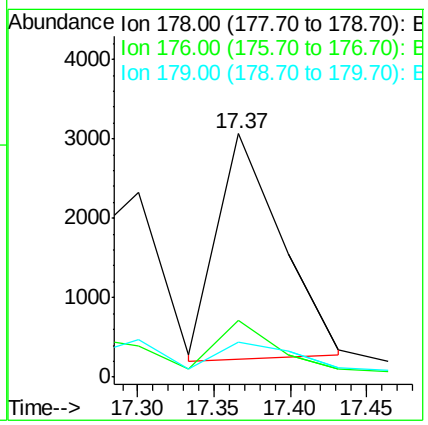


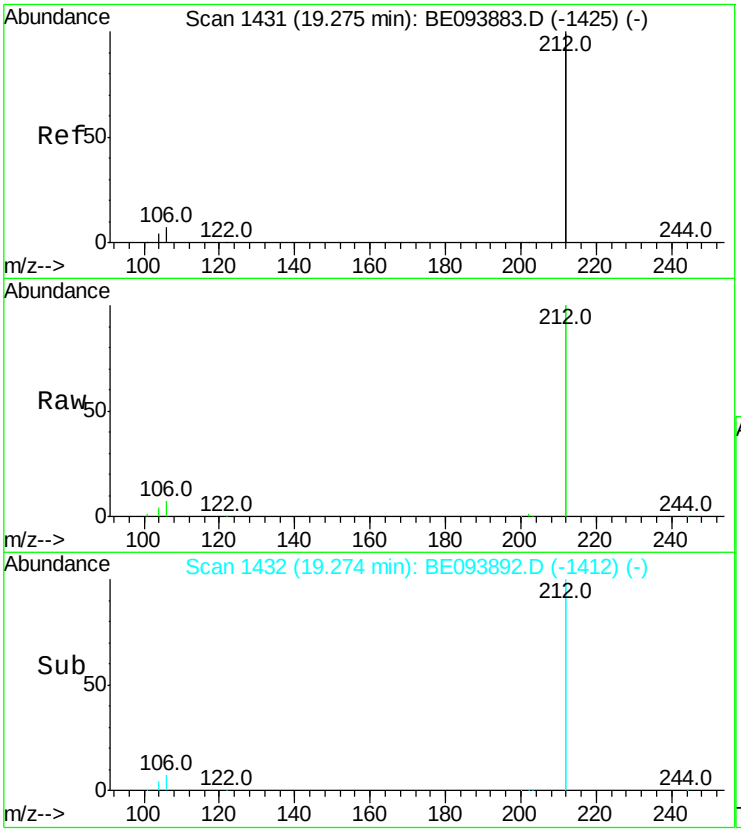


#24
Anthracene
Concen: 0.264 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:178 Resp: 8280

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	0.0	0.0	0.0



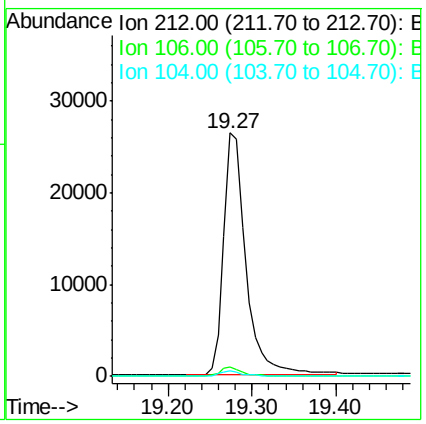


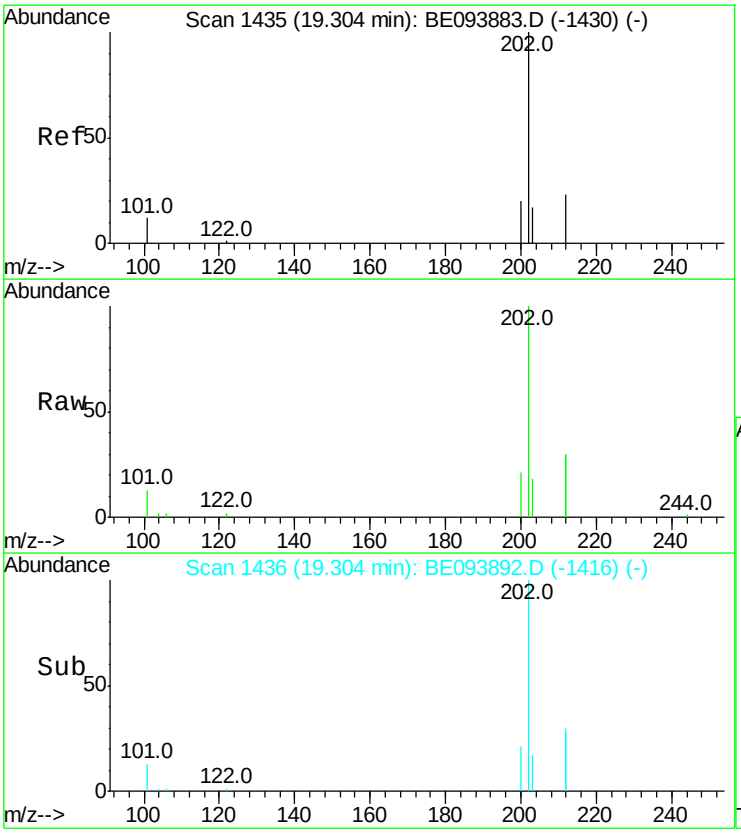
#25
Fluoranthene-d10
Concen: 0.405 ng
RT: 19.27 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 48329

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.7	4.1
104	2.0	1.6	2.4

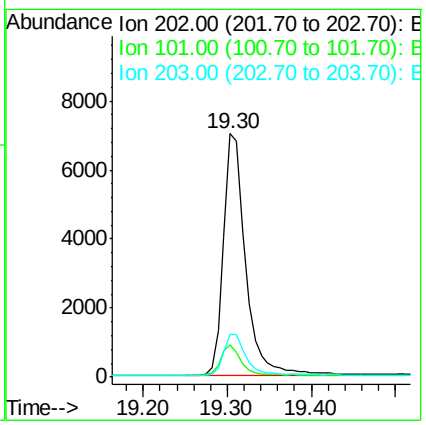


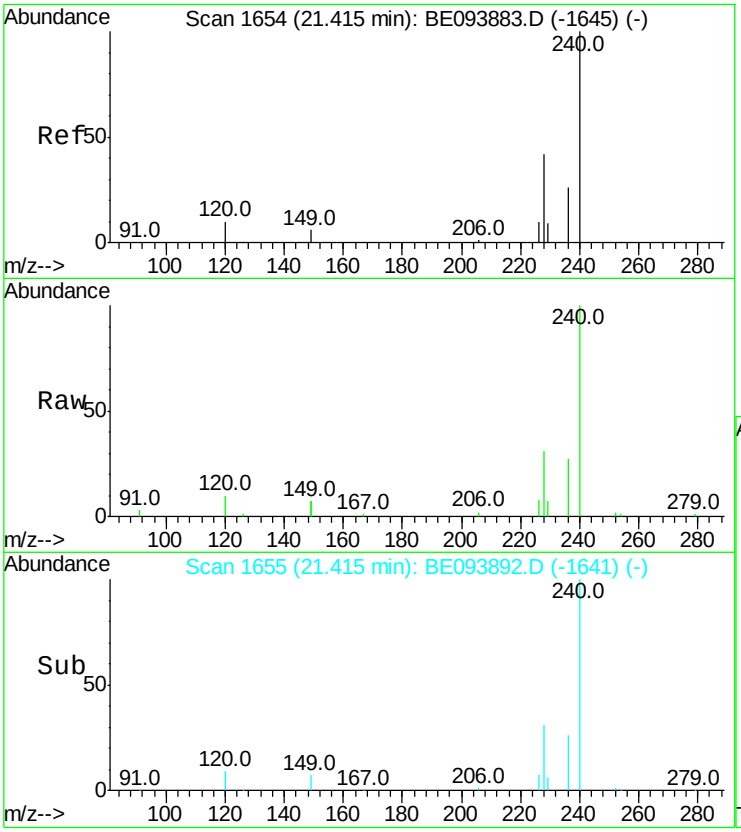


#26
Fluoranthene
Concen: 0.352 ng
RT: 19.30 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:202 Resp: 12712

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
203	17.1	13.7	20.5



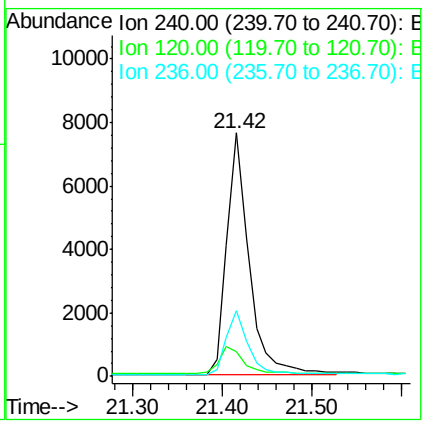


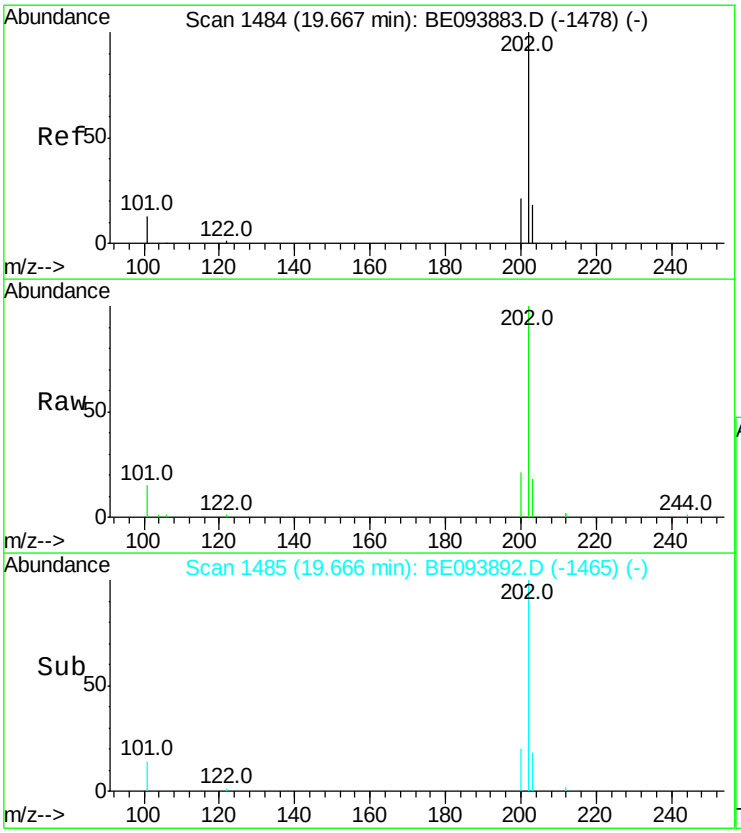
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 13189

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.7	13.1
236	26.9	21.3	31.9

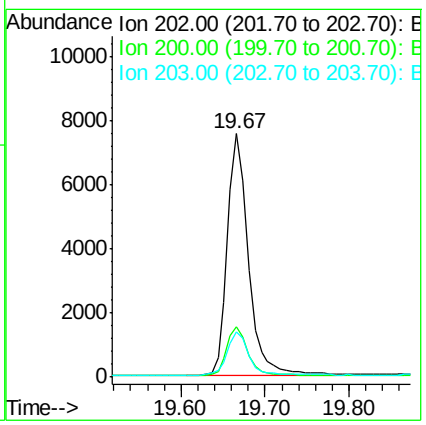


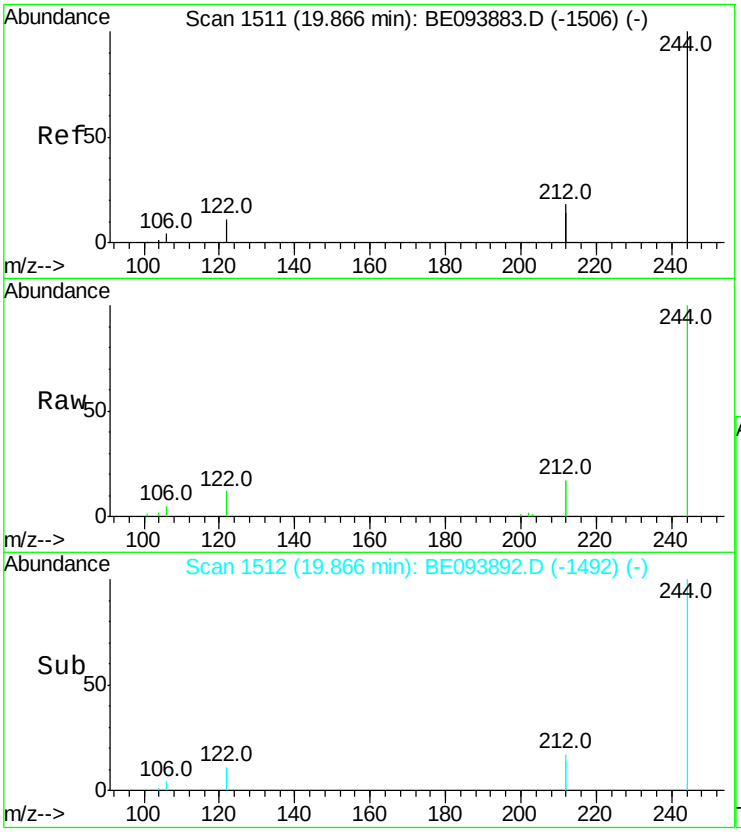


#28
Pyrene
Concen: 0.294 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:202 Resp: 13061

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	18.4	14.2	21.4



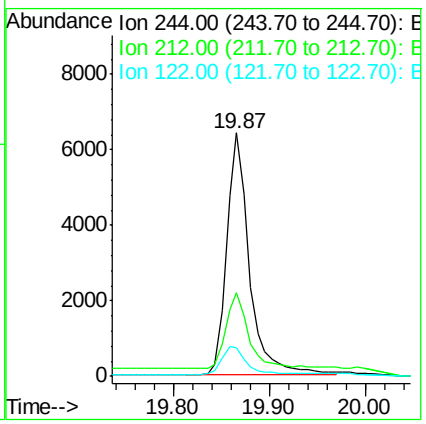


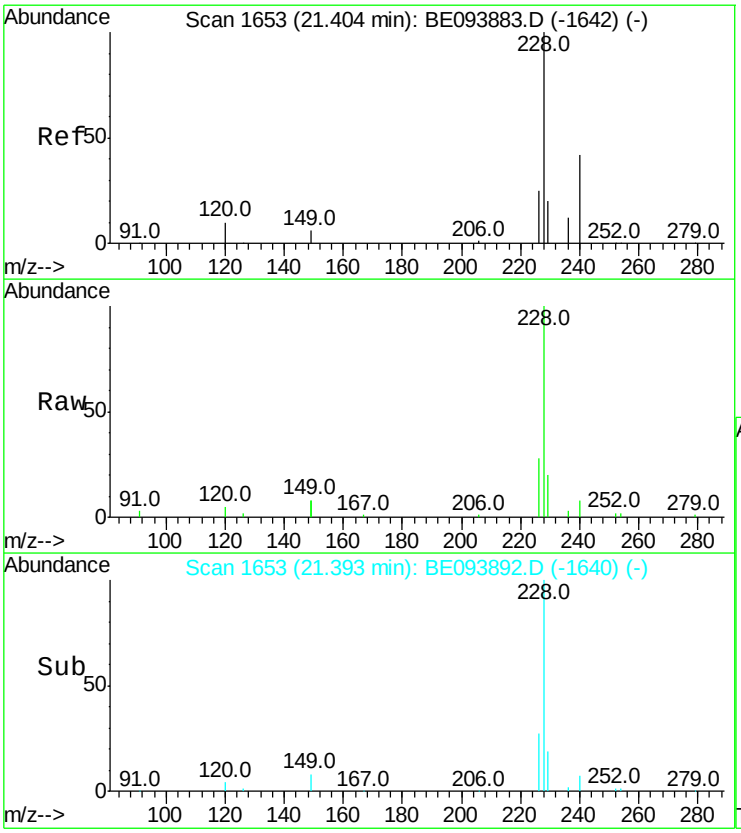
#29
Terphenyl-d14
Concen: 0.439 ng
RT: 19.87 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 10469

Ion	Ratio	Lower	Upper
244	100		
212	34.3	28.3	42.5
122	11.8	9.4	14.0

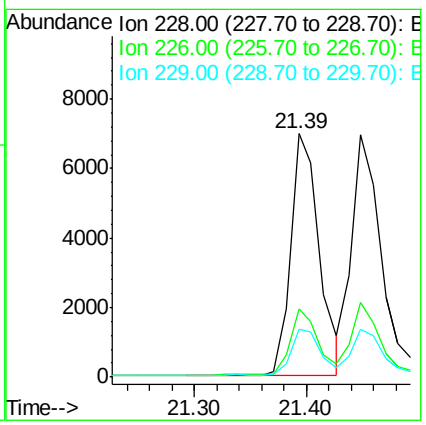


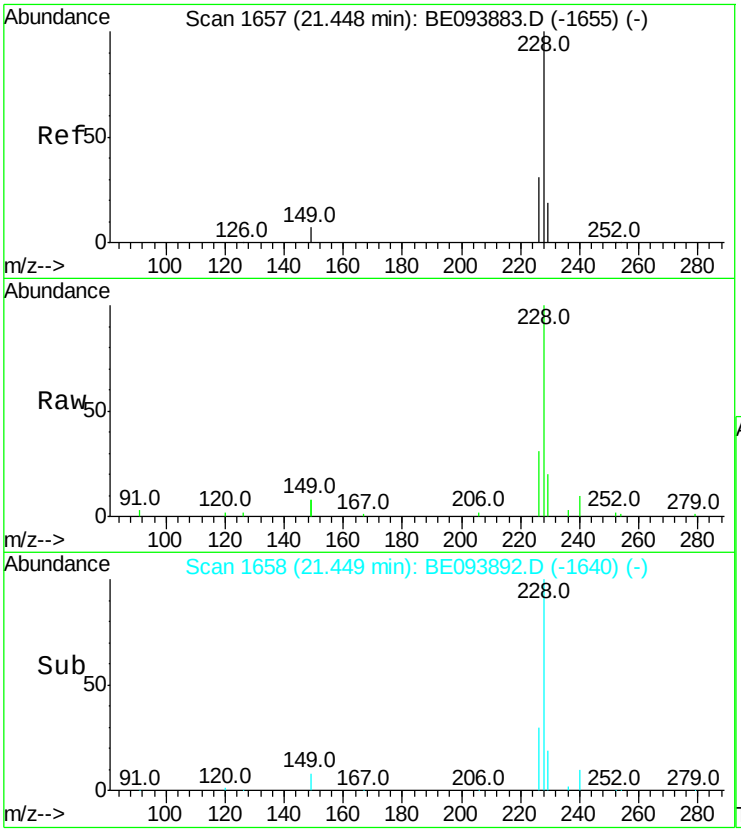


#30
Benzo(a)anthracene
Concen: 0.316 ng
RT: 21.39 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:228 Resp: 12392

Ion	Ratio	Lower	Upper
228	100		
226	27.9	20.8	31.2
229	19.8	16.6	25.0



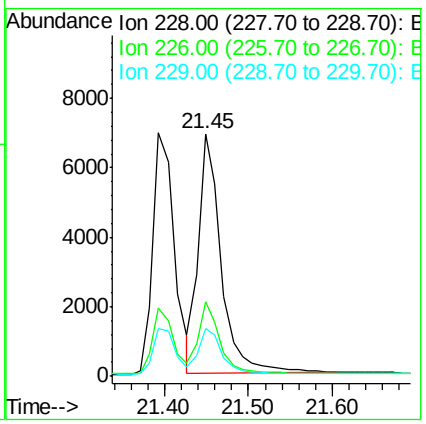


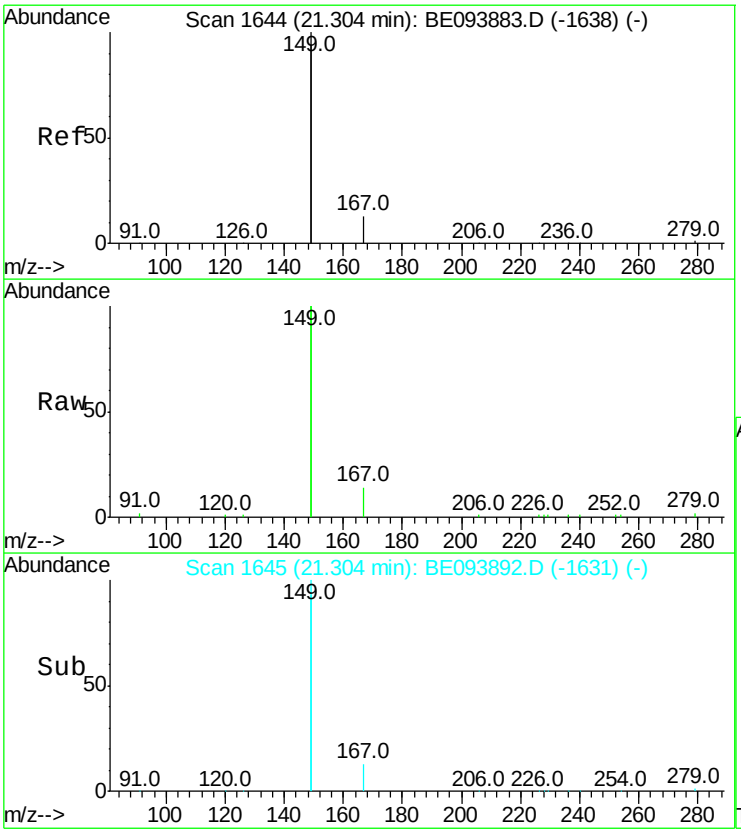
#31
Chrysene
Concen: 0.302 ng
RT: 21.45 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 13155

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	19.8	15.8	23.8

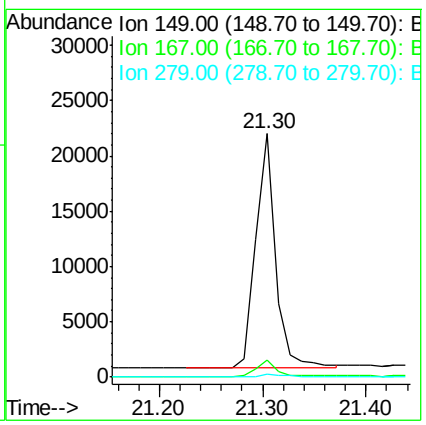


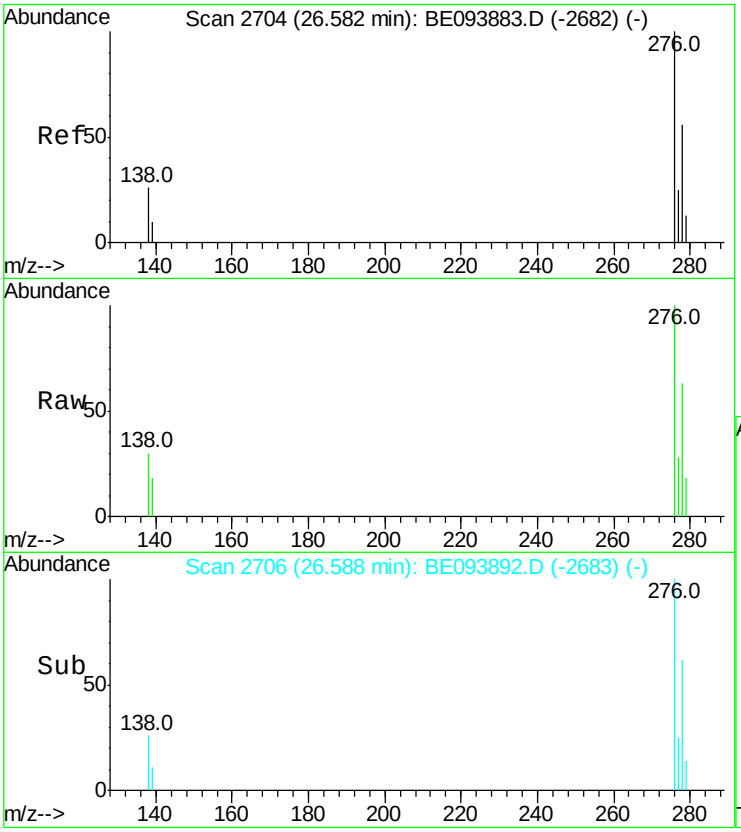


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.343 ng
RT: 21.30 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:149 Resp: 28297

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	1.0	0.7	1.1



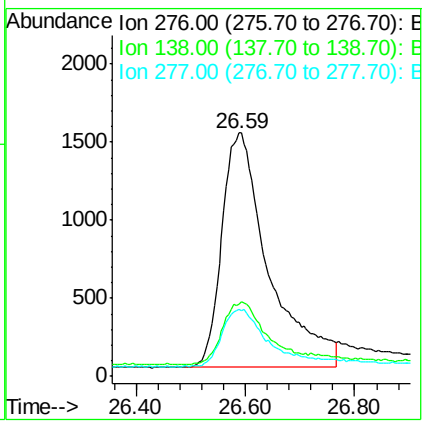


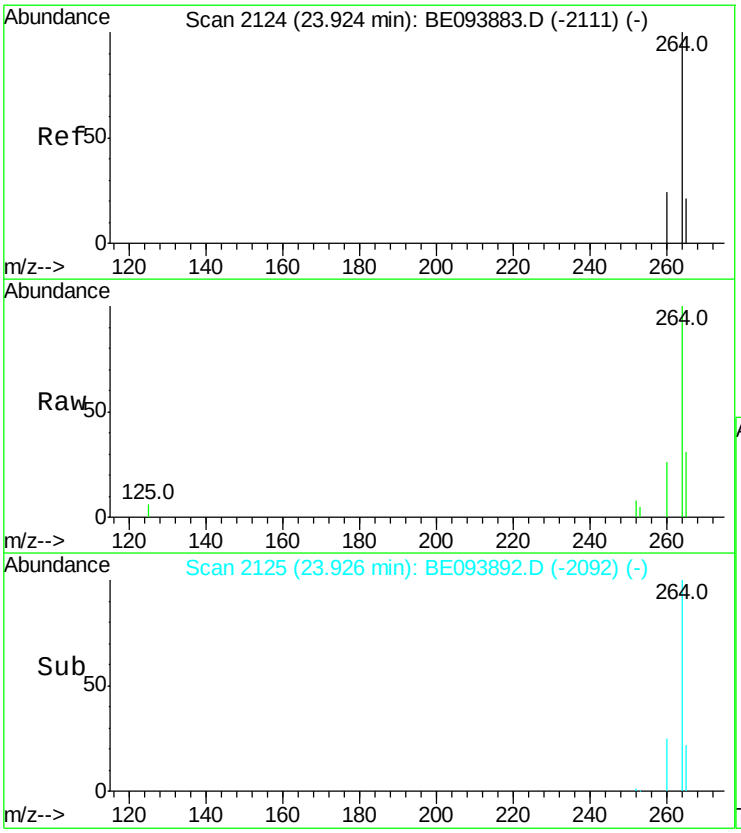
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.299 ng
RT: 26.59 min Scan# 2706
Delta R.T. 0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8884

Ion	Ratio	Lower	Upper
276	100		
138	25.4	22.2	33.2
277	24.5	19.5	29.3

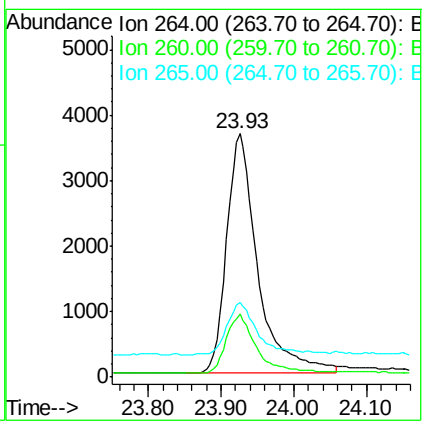


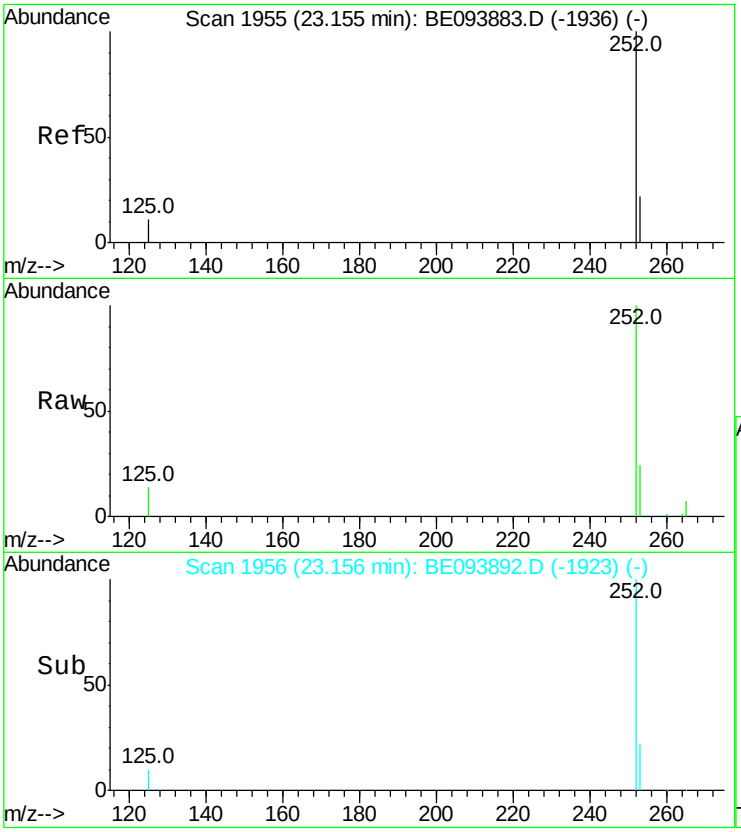


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:264 Resp: 10907

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.0	30.0
265	30.6	24.0	36.0



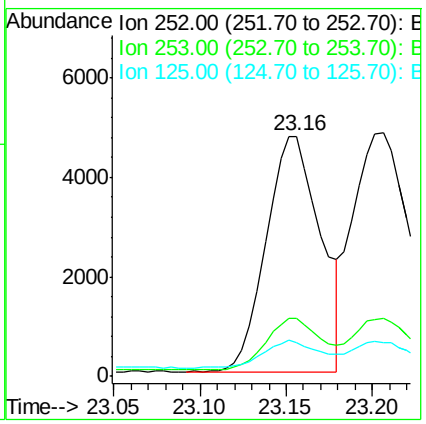


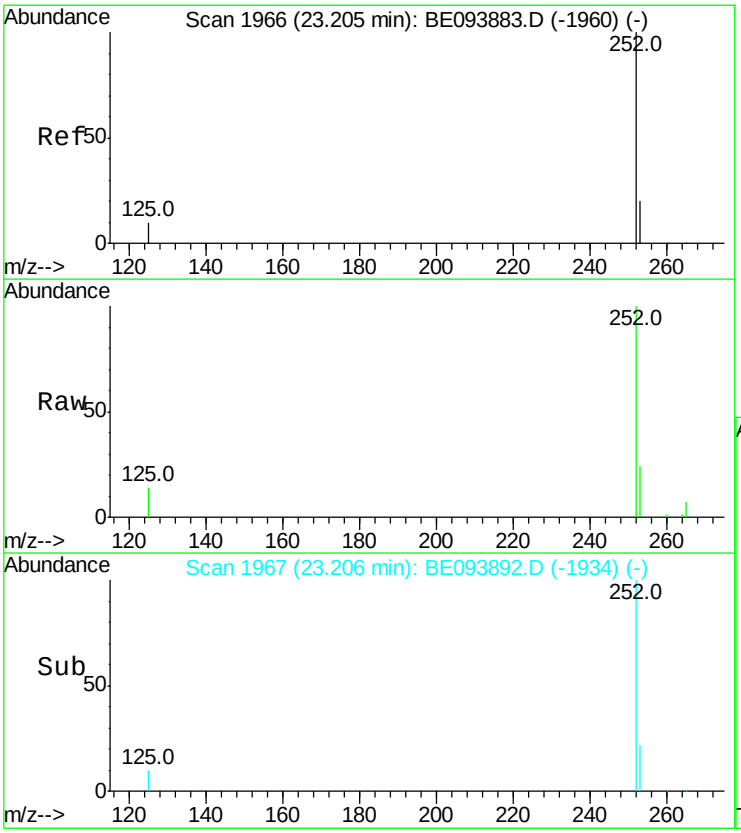
#35
Benzo(b)fluoranthene
Concen: 0.298 ng
RT: 23.16 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 10372

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	14.2	10.0	15.0

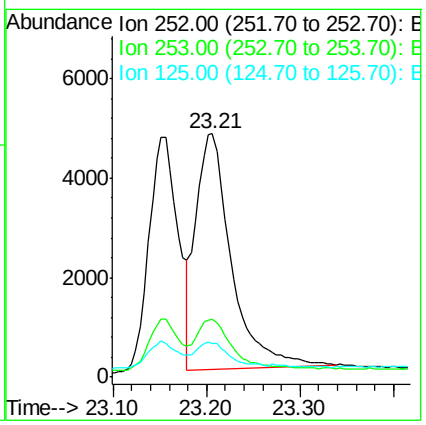


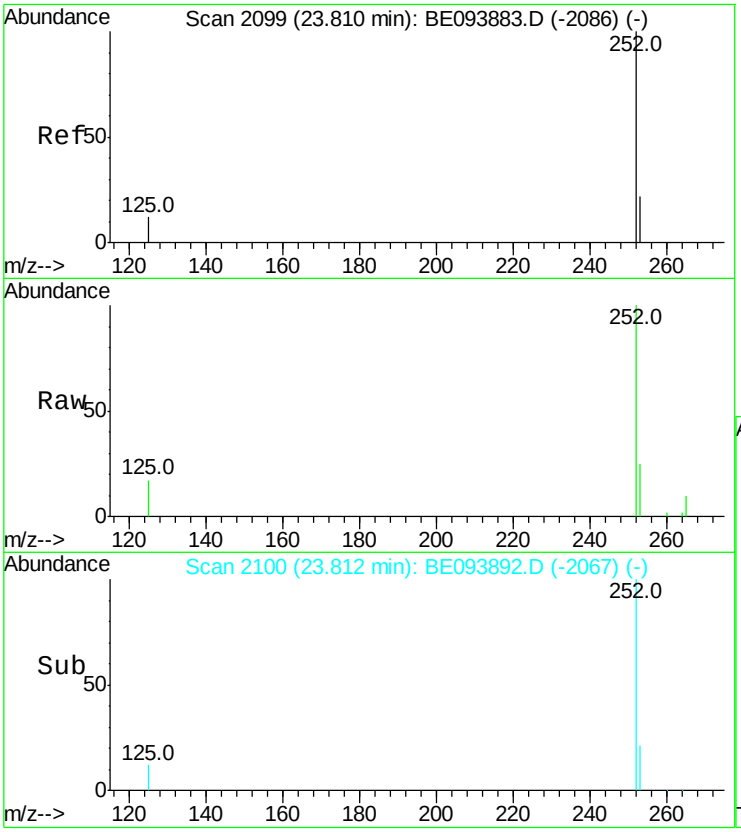


#36
Benzo(k)fluoranthene
Concen: 0.311 ng
RT: 23.21 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:252 Resp: 12391

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	13.9	9.8	14.6



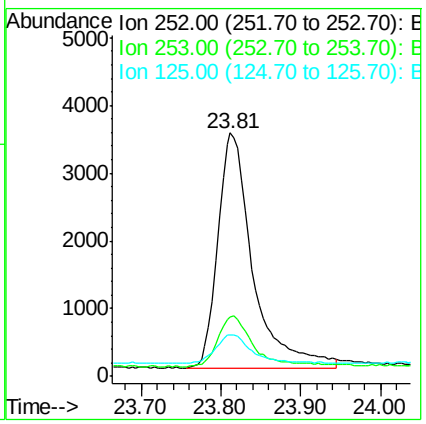


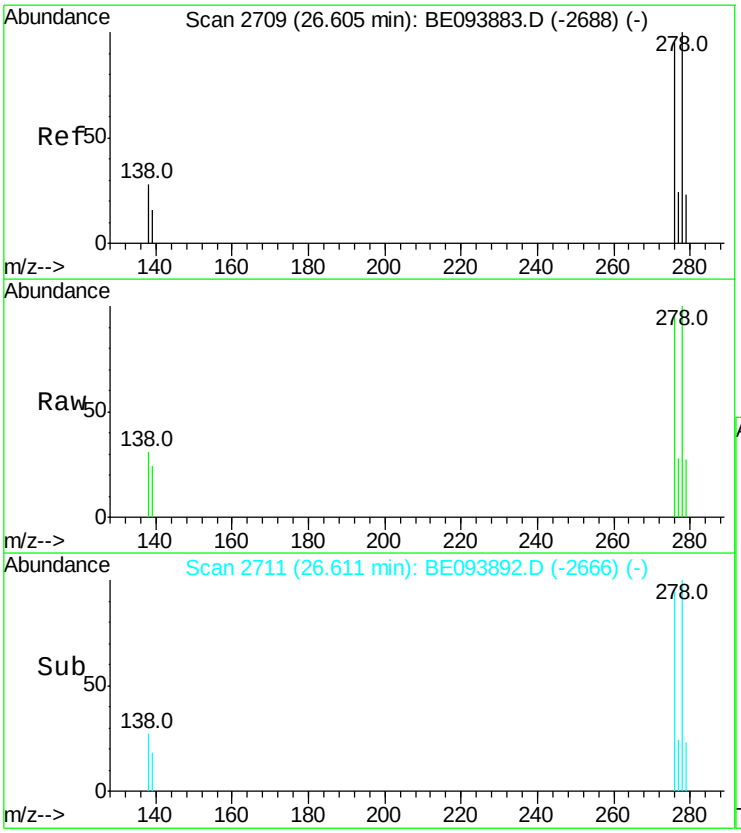
#37
Benzo(a)pyrene
Concen: 0.305 ng
RT: 23.81 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 10544

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.6	29.4
125	17.1	11.8	17.8

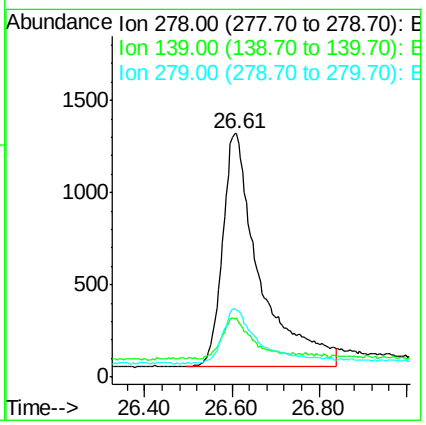


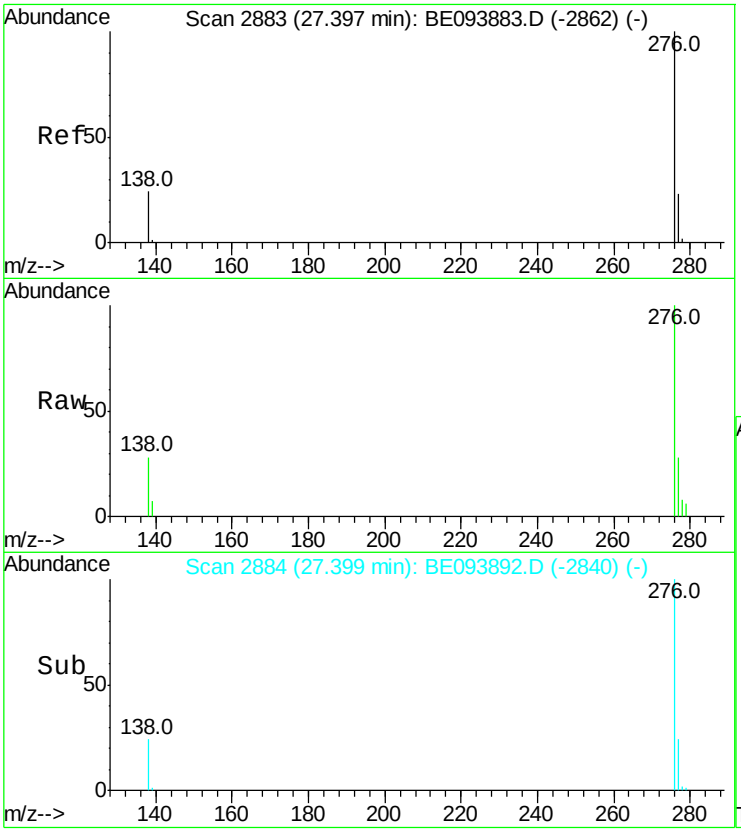


#38
Dibenzo(a,h)anthracene
Concen: 0.304 ng
RT: 26.61 min Scan# 2711
Delta R.T. 0.01 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Tgt Ion:278 Resp: 7415

Ion	Ratio	Lower	Upper
278	100		
139	24.5	16.7	25.1
279	27.3	21.6	32.4





#39
Benzo(g,h,i)perylene
Concen: 0.291 ng
RT: 27.40 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BE093892.D
Acq: 28 Aug 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 7744

Ion	Ratio	Lower	Upper
276	100		
277	27.7	20.6	30.8
138	28.3	21.9	32.9