Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093989.D
Acq On : 13 Sep 2017 15:04
Operator : SJ/JU
Sample : I5189-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 2

Instrument : BNA_E
ClientSampleId : PR-MW-03-090817MS

Quant Time: Sep 14 00:53:42 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2972	0.80	ng		0.00
7) Naphthalene-d8	10.71	136	14819	0.80	ng		0.00
13) Acenaphthene-d10	14.53	164	8816	0.80	ng		0.00
19) Phenanthrene-d10	17.24	188	21076	0.80	ng		-0.03
27) Chrysene-d12	21.42	240	22872	0.80	ng		-0.01
34) Perylene-d12	23.93	264	17238	0.80	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	1070	0.22	ng		0.00
5) Phenol-d6	7.11	99	879	0.12	ng		0.00
8) Nitrobenzene-d5	9.08	82	3046	0.49	ng		0.00
11) 2-Methylnaphthalene-d10	12.29	152	5831	0.49	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	602	0.44	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	8974	0.51	ng		0.00
25) Fluoranthene-d10	19.28	212	61558	0.39	ng		0.00
29) Terphenyl-d14	19.87	244	13919	0.66	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.43	88	508	0.248	ng	#	24
3) n-Nitrosodimethylamine	3.75	42	479	0.200	ng		92
6) bis(2-Chloroethyl)ether	7.34	93	2671	0.453	ng		93
9) Naphthalene	10.76	128	40166	0.473	ng		99
10) Hexachlorobutadiene	11.02	225	1326	0.430	ng		97
12) 2-Methylnaphthalene	12.36	142	6913	0.490	ng		98
16) Acenaphthylene	14.24	152	10098	0.459	ng		100
17) Acenaphthene	14.58	154	7090	0.477	ng		98
18) Fluorene	15.56	166	9211	0.480	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1956	0.202	ng		99
21) Hexachlorobenzene	16.58	284	1838	0.295	ng	#	100
22) Pentachlorophenol	16.94	266	1246	0.746	ng		96
23) Phenanthrene	17.30	178	11980	0.118	ng	#	100
24) Anthracene	17.37	178	13620	0.424	ng	#	99
26) Fluoranthene	19.30	202	18416	0.392	ng		99
28) Pyrene	19.67	202	18875	0.480	ng		100
30) Benzo(a)anthracene	21.40	228	15747	0.448	ng		99
31) Chrysene	21.46	228	17857	0.481	ng		97
32) Bis(2-ethylhexyl)phthalate	21.30	149	39191	0.460	ng		100
33) Indeno(1,2,3-cd)pyrene	26.60	276	9629	0.389	ng		98
35) Benzo(b)fluoranthene	23.16	252	12809	0.467	ng		98
36) Benzo(k)fluoranthene	23.21	252	16332	0.485	ng		96
37) Benzo(a)pyrene	23.82	252	13426	0.480	ng		97
38) Dibenzo(a,h)anthracene	26.62	278	7400	0.399	ng	#	91
39) Benzo(g,h,i)perylene	27.42	276	8639	0.442	ng		99

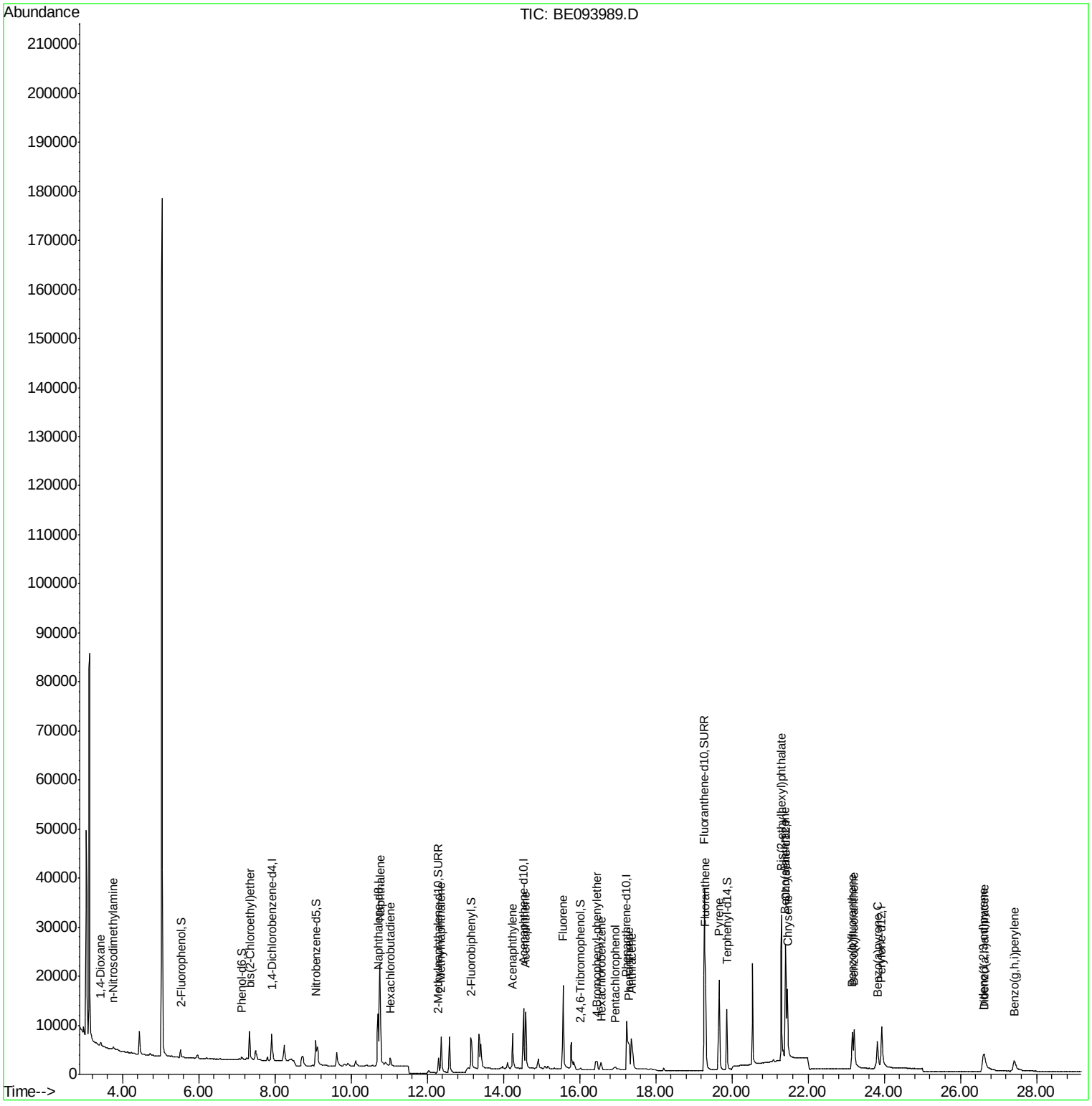
(#) = qualifier out of range (m) = manual integration (+) = signals summed

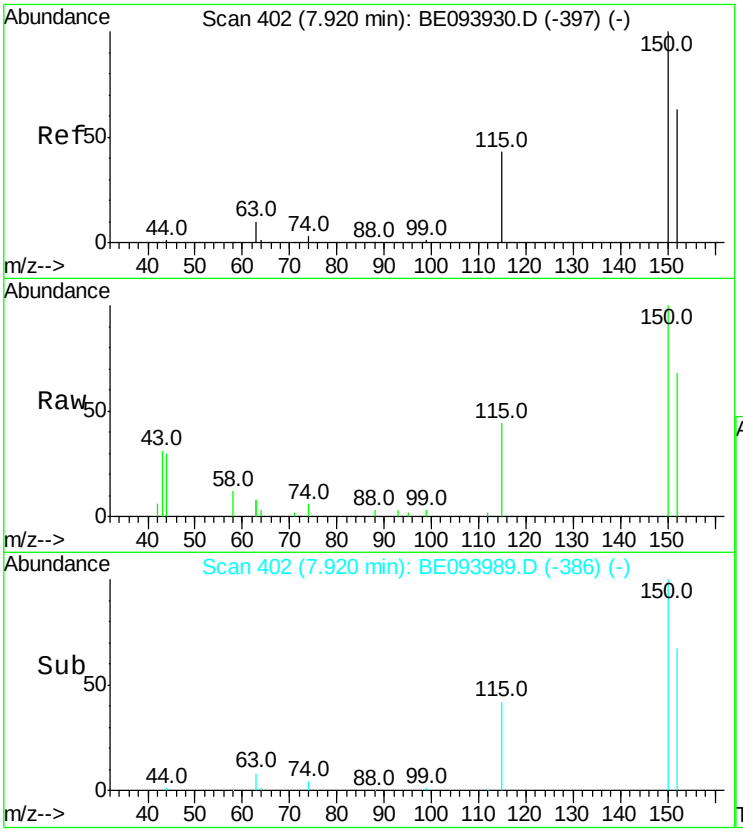
Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093989.D
Acq On : 13 Sep 2017 15:04
Operator : SJ/JU
Sample : I5189-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 2

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Quant Time: Sep 14 00:53:42 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration



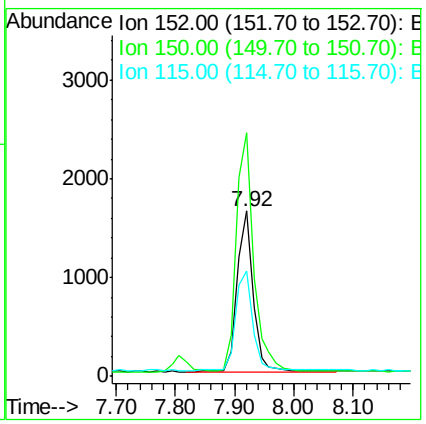


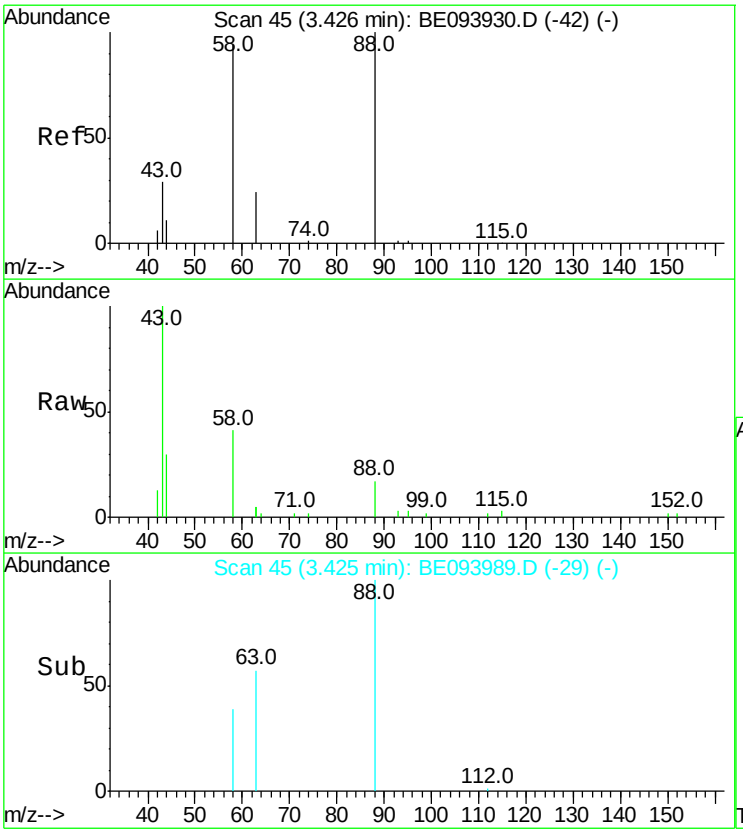
#1
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:152 Resp: 2972

Ion	Ratio	Lower	Upper
152	100		
150	147.5	121.8	182.6
115	64.2	52.6	79.0

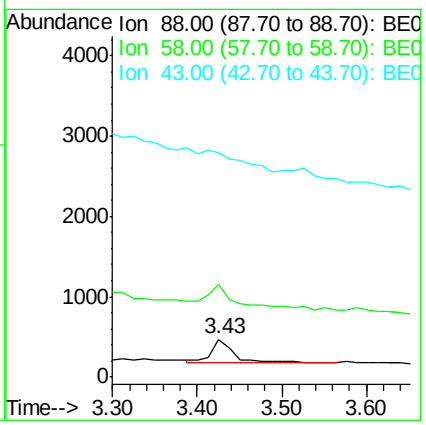


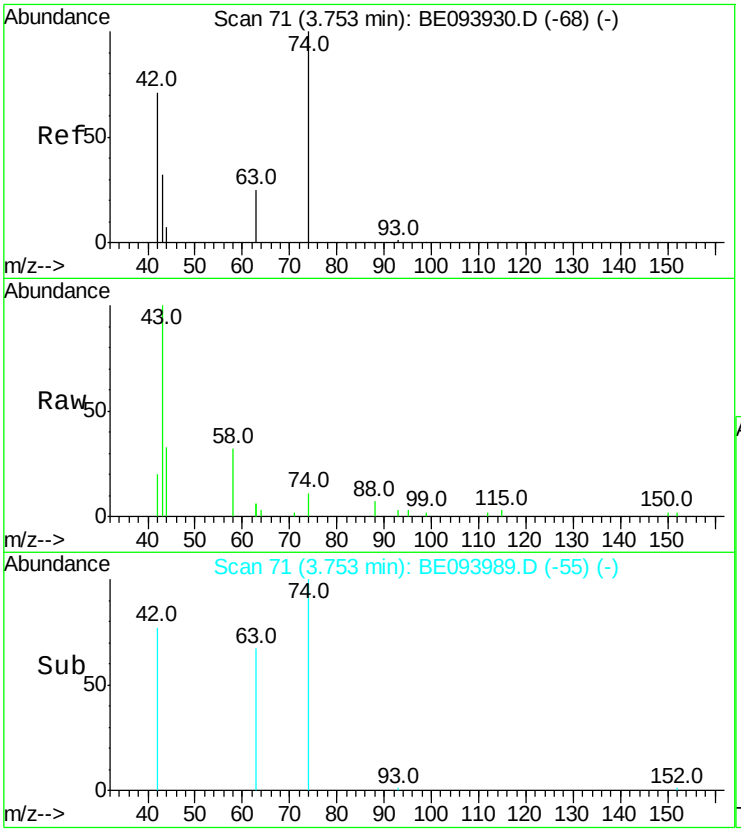


#2
1,4-Dioxane
Concen: 0.248 ng
RT: 3.43 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion: 88 Resp: 508

Ion	Ratio	Lower	Upper
88	100		
58	156.9	65.4	98.0#
43	0.0	23.9	35.9#



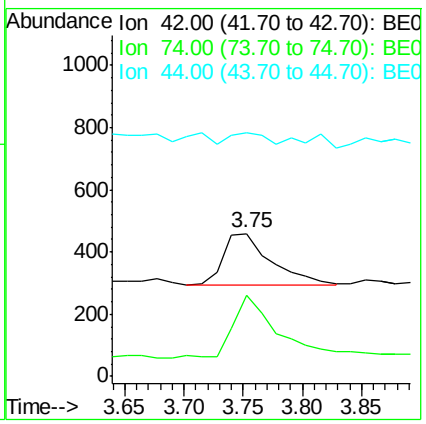


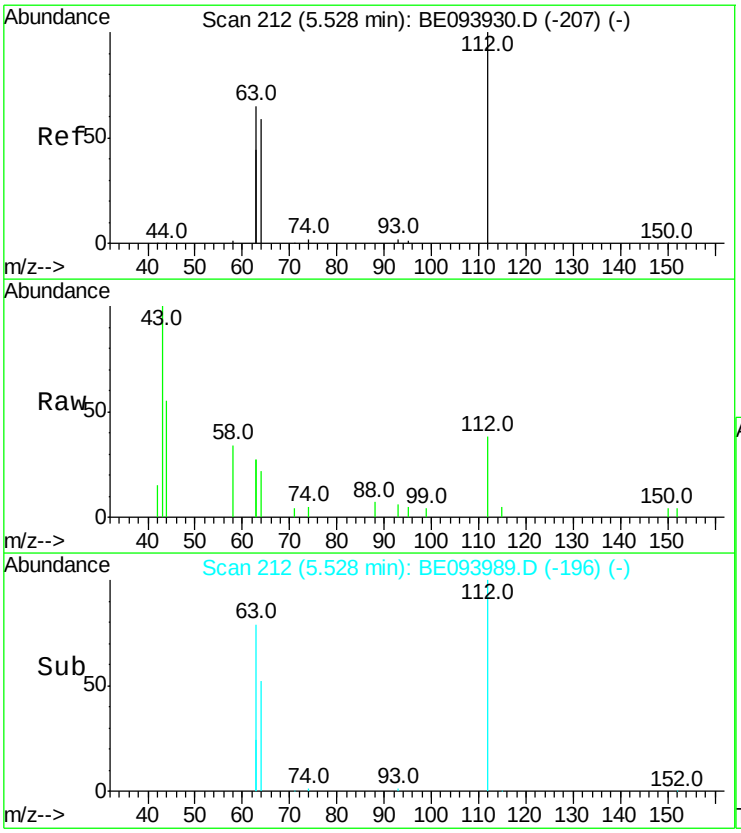
#3
n-Nitrosodimethylamine
Concen: 0.200 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion: 42 Resp: 479

Ion	Ratio	Lower	Upper
42	100		
74	119.6	104.0	156.0
44	15.4	13.8	20.8

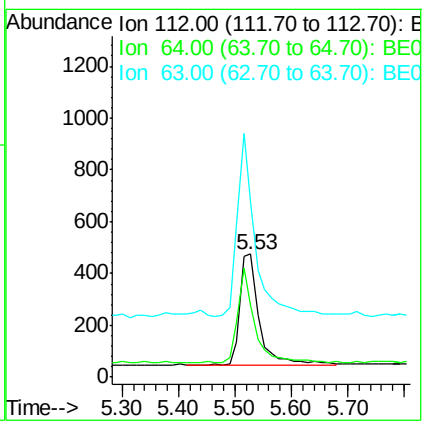


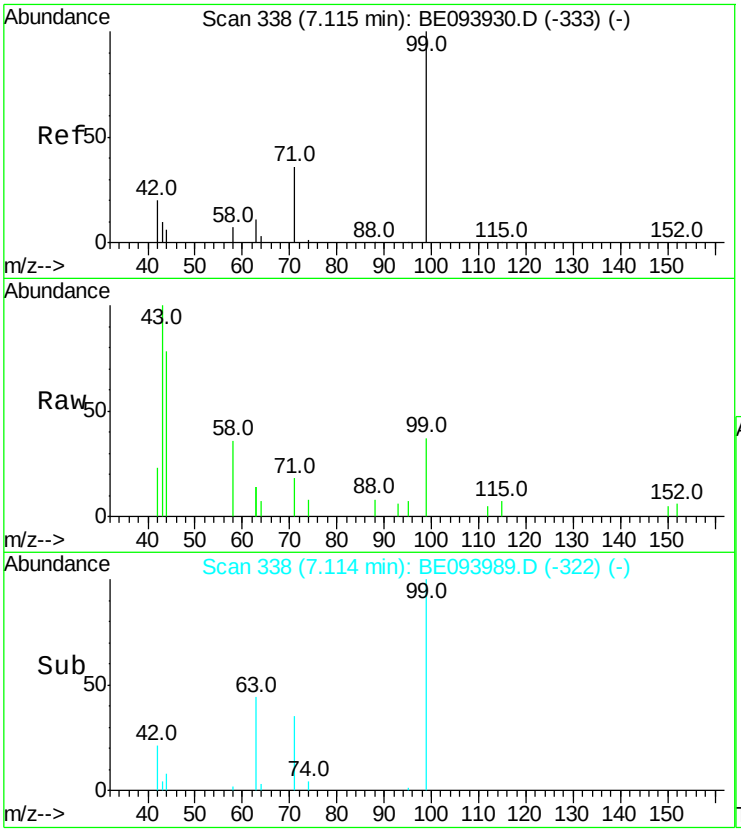


#4
2-Fluorophenol
Concen: 0.223 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:112 Resp: 1070

Ion	Ratio	Lower	Upper
112	100		
64	70.0	57.7	86.5
63	147.6	116.0	174.0



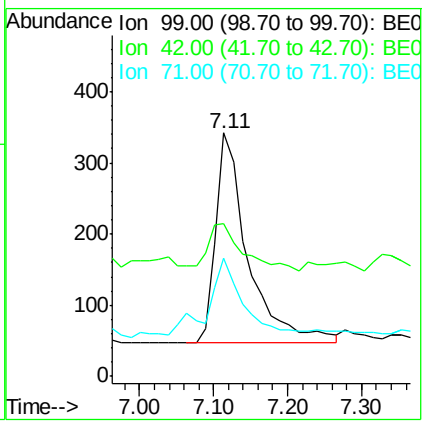


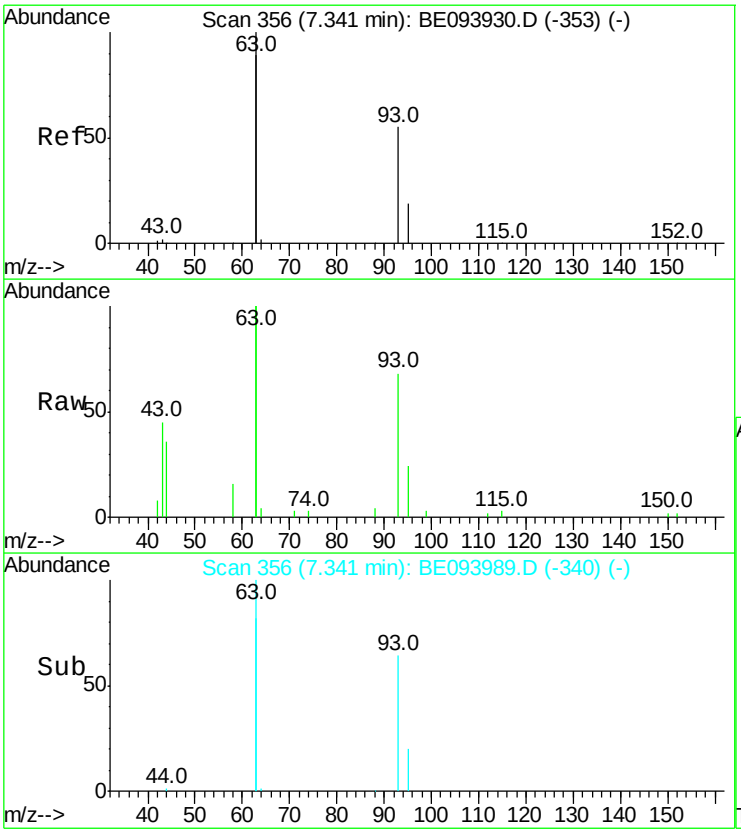
#5
Phenol-d6
Concen: 0.122 ng
RT: 7.11 min Scan# 338
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion: 99 Resp: 879

Ion	Ratio	Lower	Upper
99	100		
42	23.4	17.1	25.7
71	46.5	26.6	39.8#

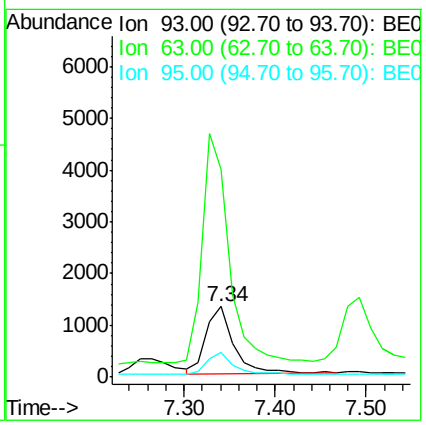


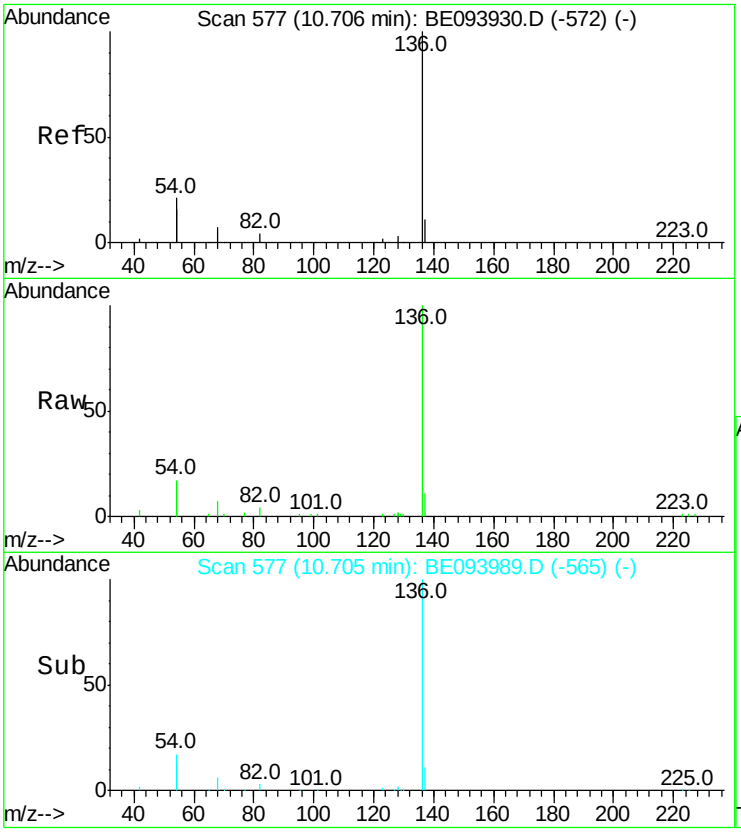


#6
bis(2-Chloroethyl)ether
Concen: 0.453 ng
RT: 7.34 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion: 93 Resp: 2671

Ion	Ratio	Lower	Upper
93	100		
63	338.9	283.4	425.2
95	31.8	26.9	40.3



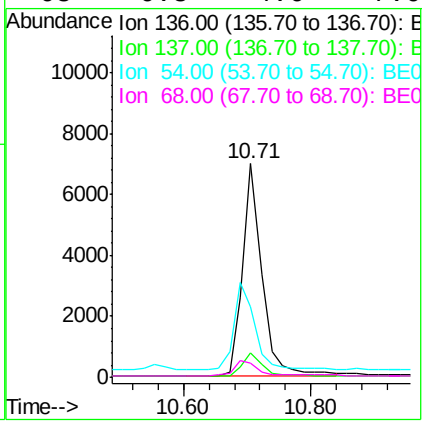


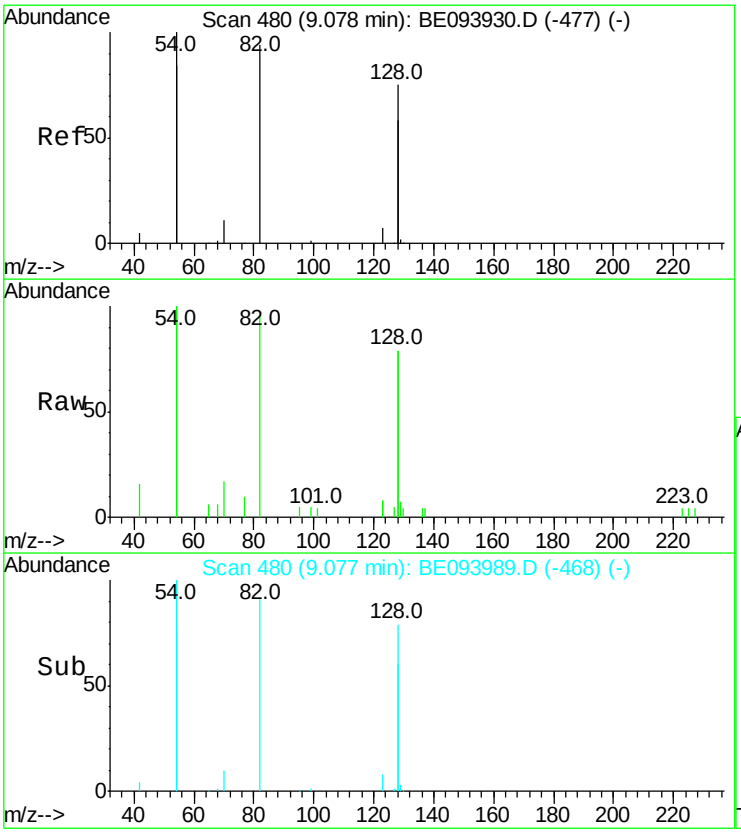
#7
Naphthalene-d8
Concen: 0.800 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:136 Resp: 14819

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	33.2	21.9	32.9#
68	6.8	4.6	7.0

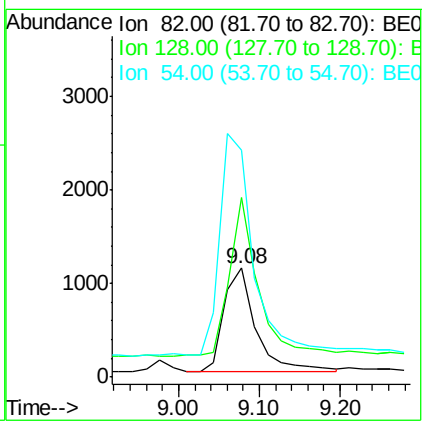


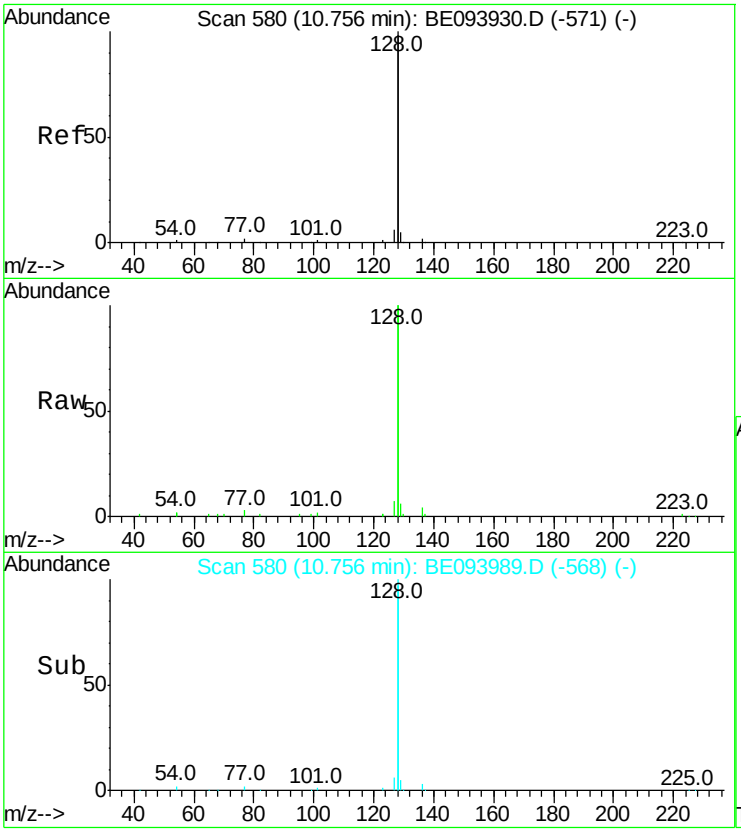


#8
Nitrobenzene-d5
Concen: 0.486 ng
RT: 9.08 min Scan# 480
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion: 82 Resp: 3046

Ion	Ratio	Lower	Upper
82	100		
128	164.5	91.4	137.0#
54	208.8	197.8	296.8



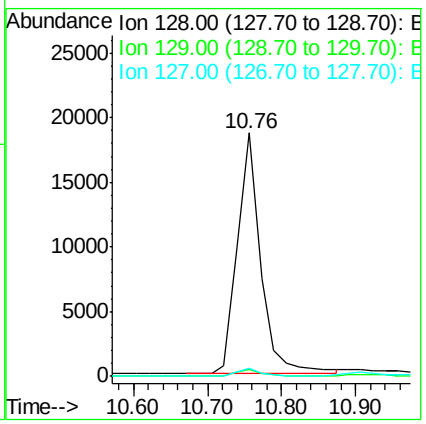


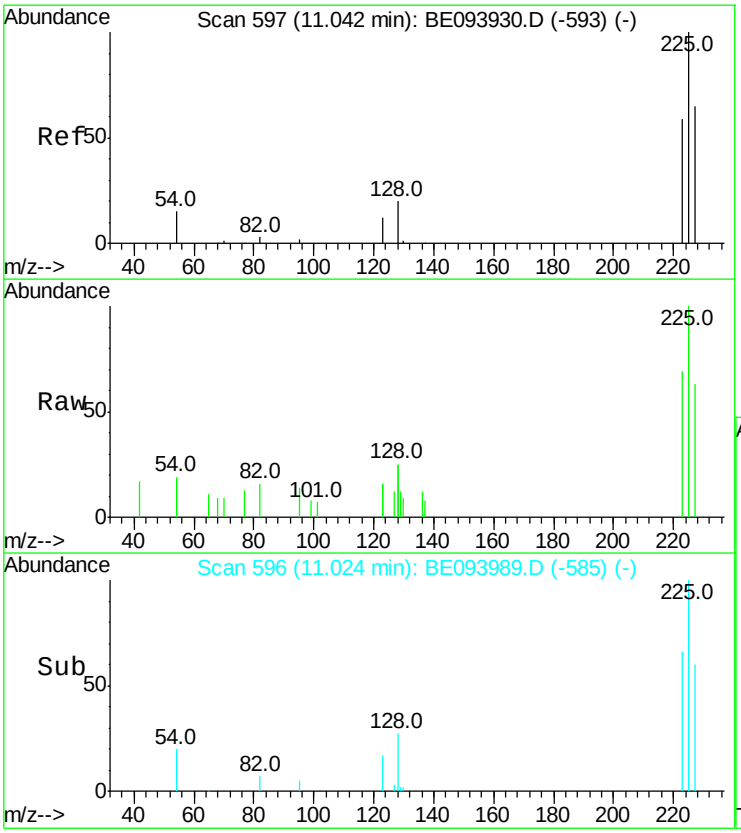
#9
Naphthalene
Concen: 0.473 ng
RT: 10.76 min Scan# 580
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:128 Resp: 40166

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.5	3.7
127	3.5	2.6	4.0

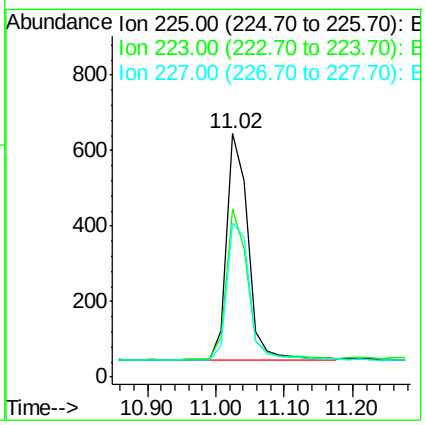


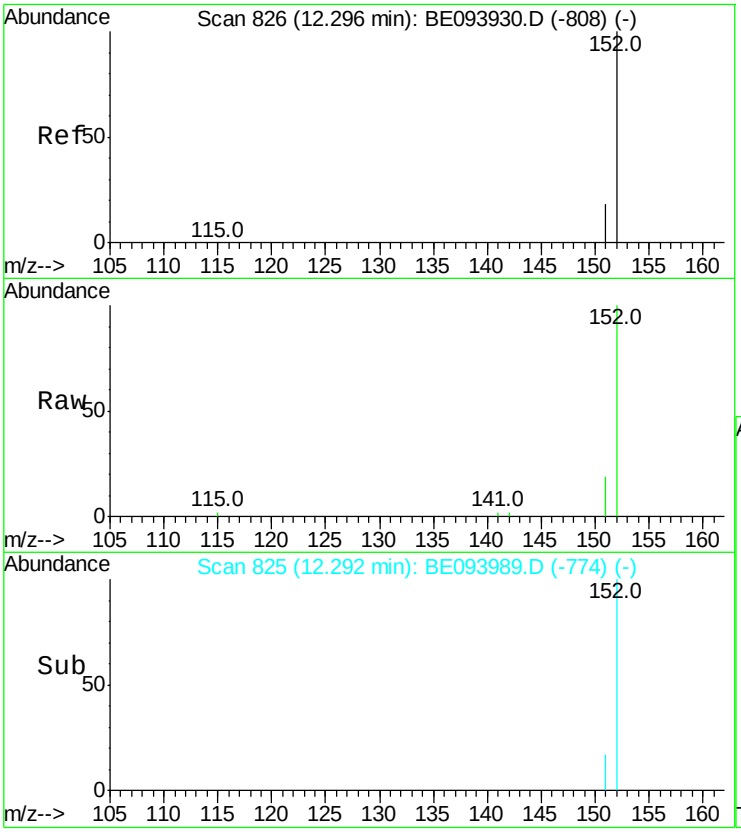


#10
Hexachlorobutadiene
Concen: 0.430 ng
RT: 11.02 min Scan# 596
Delta R.T. -0.02 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:225 Resp: 1326

Ion	Ratio	Lower	Upper
225	100		
223	66.5	49.4	74.0
227	63.3	50.5	75.7



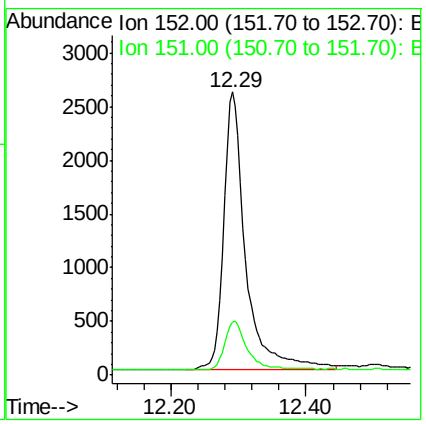


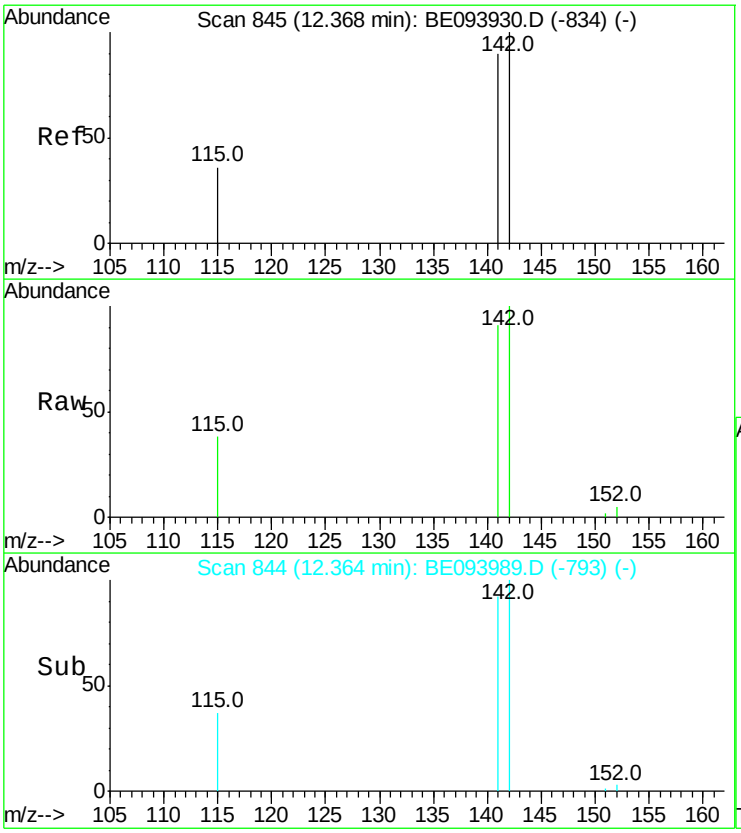
#11
2-Methylnaphthalene-d10
Concen: 0.492 ng
RT: 12.29 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:152 Resp: 5831

Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.4	23.0

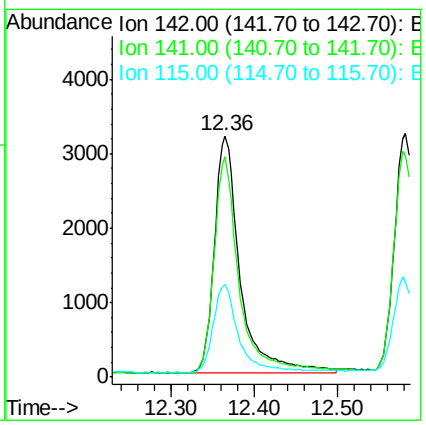


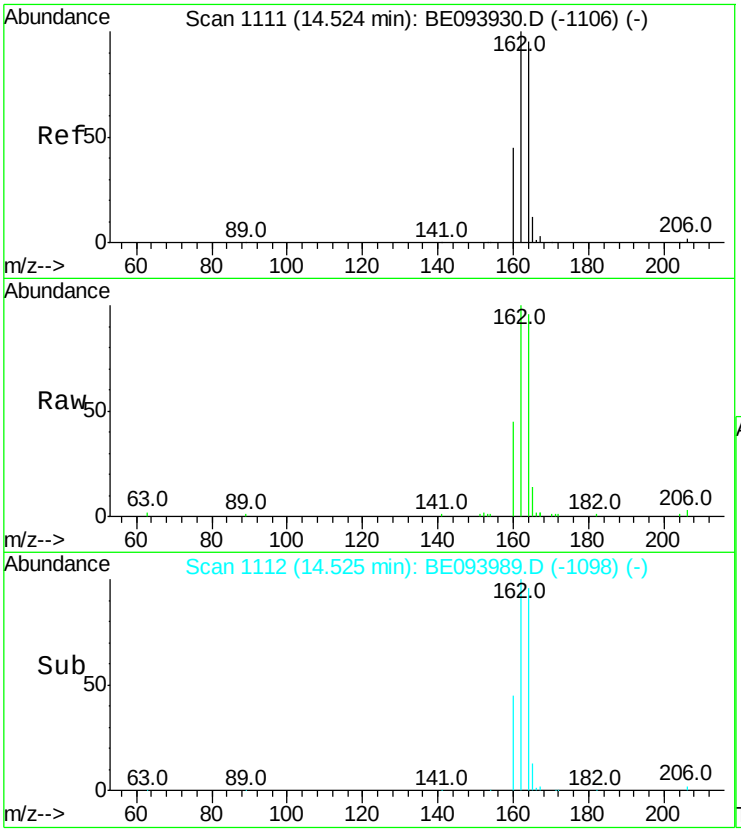


#12
2-Methylnaphthalene
Concen: 0.490 ng
RT: 12.36 min Scan# 844
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:142 Resp: 6913

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.4	107.2
115	38.3	29.4	44.0



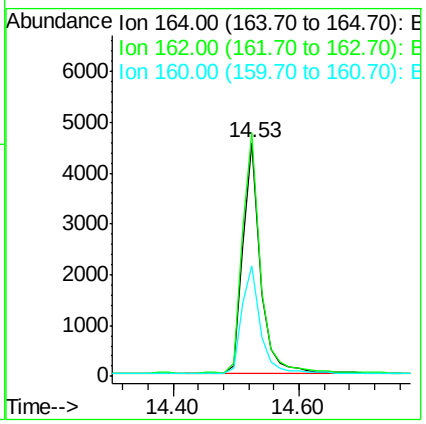


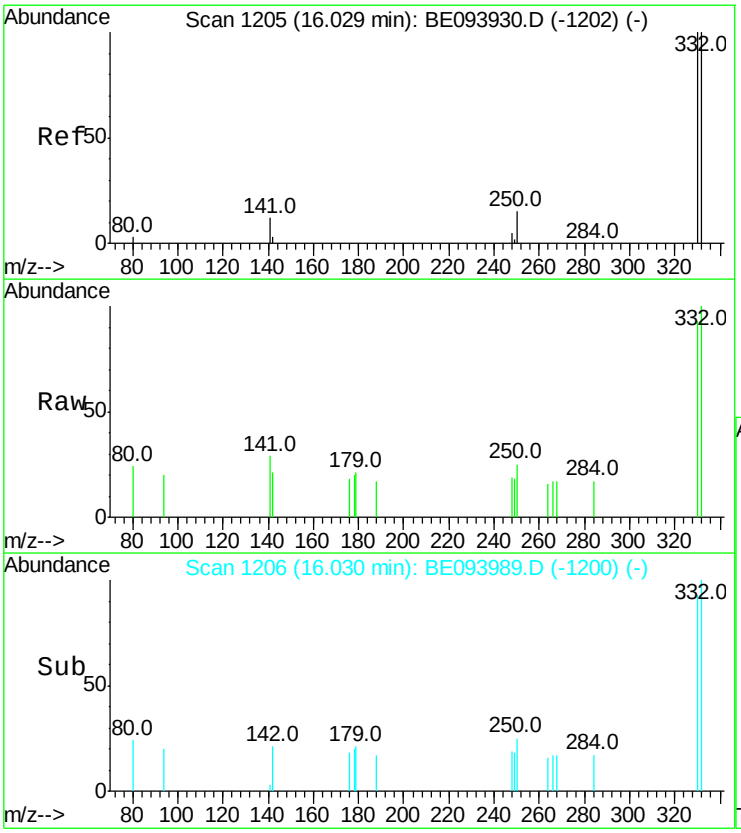
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:164 Resp: 8816

Ion	Ratio	Lower	Upper
164	100		
162	104.0	80.8	121.2
160	47.2	37.0	55.4

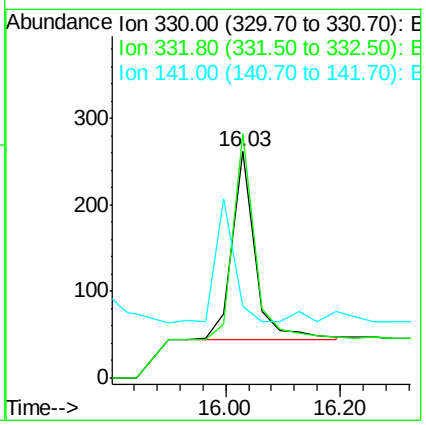


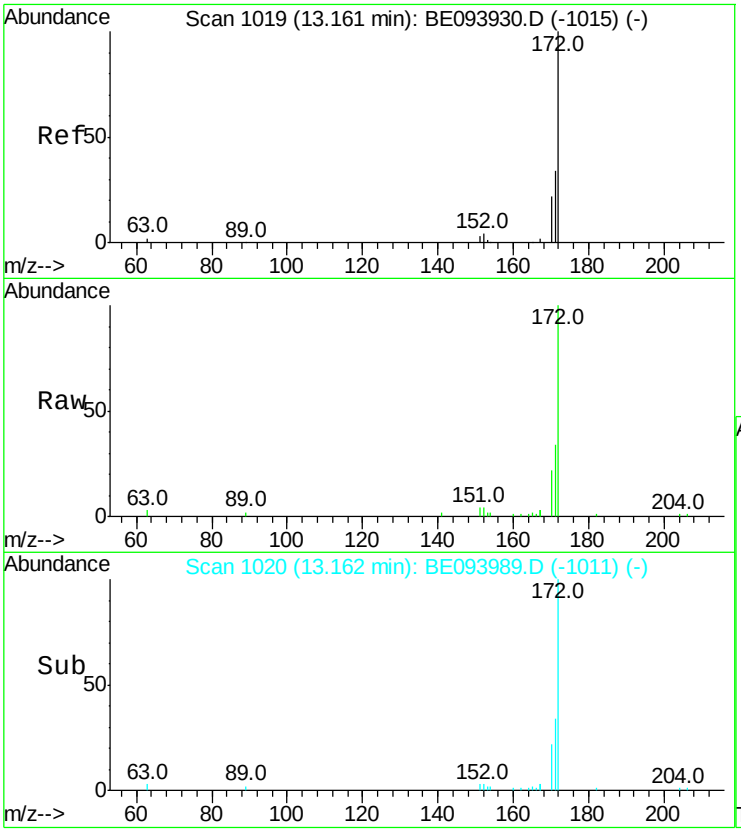


#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:330 Resp: 602

Ion	Ratio	Lower	Upper
330	100		
332	103.0	76.9	115.3
141	0.0	0.0	0.0



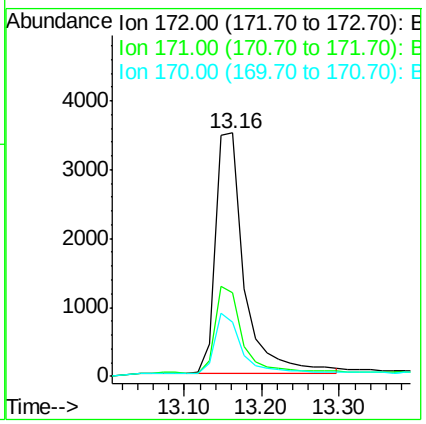


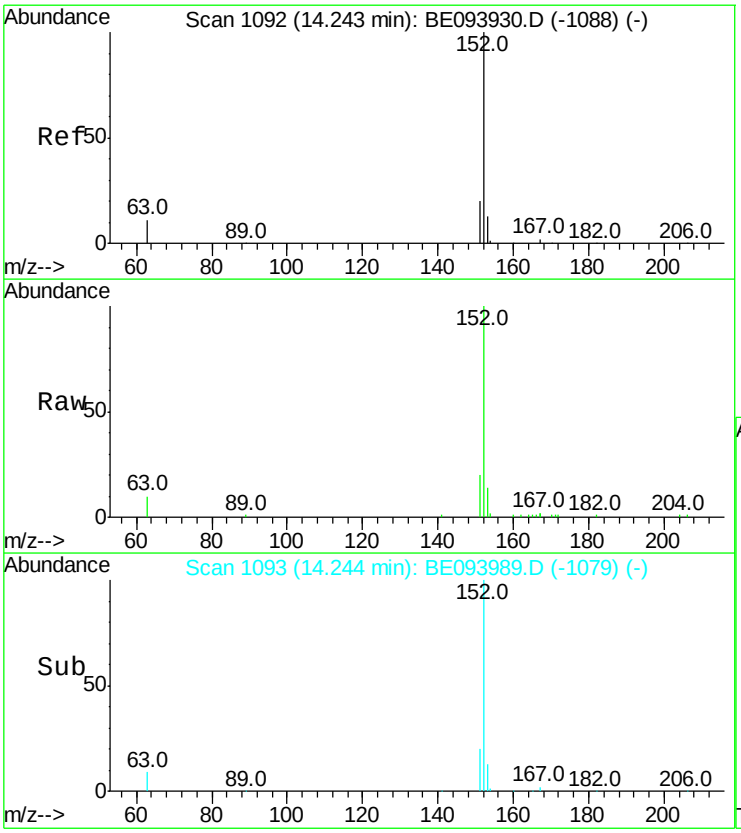
#15
2-Fluorobiphenyl
Concen: 0.515 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:172 Resp: 8974

Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.9	40.3
170	22.1	17.3	25.9

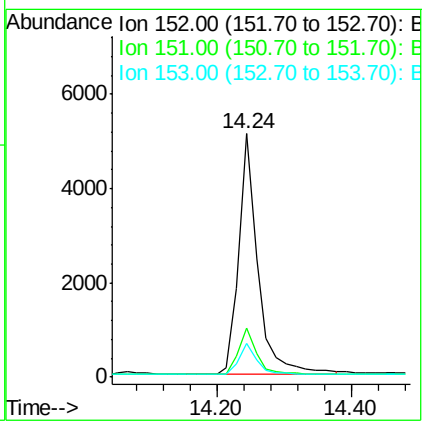


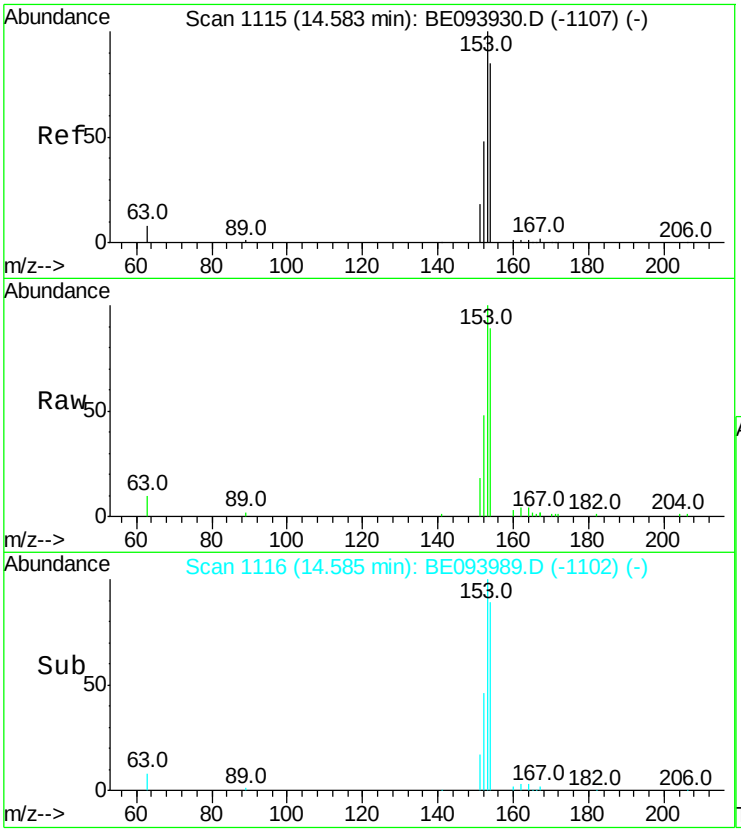


#16
Acenaphthylene
Concen: 0.459 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:152 Resp: 10098

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



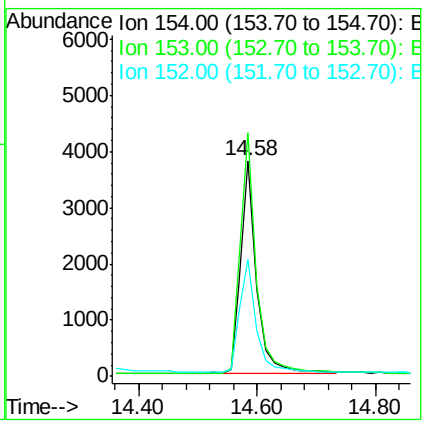


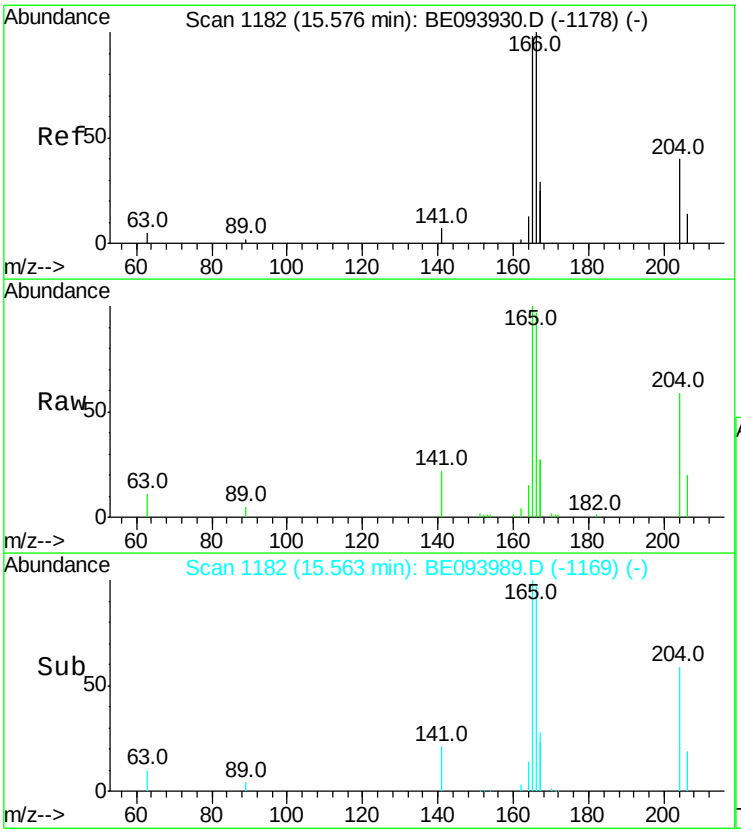
#17
Acenaphthene
Concen: 0.477 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:154 Resp: 7090

Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.8	137.6
152	54.1	44.9	67.3

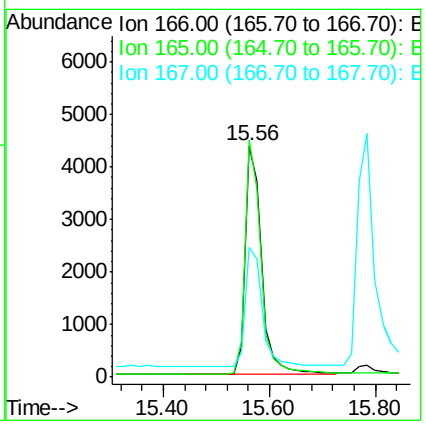


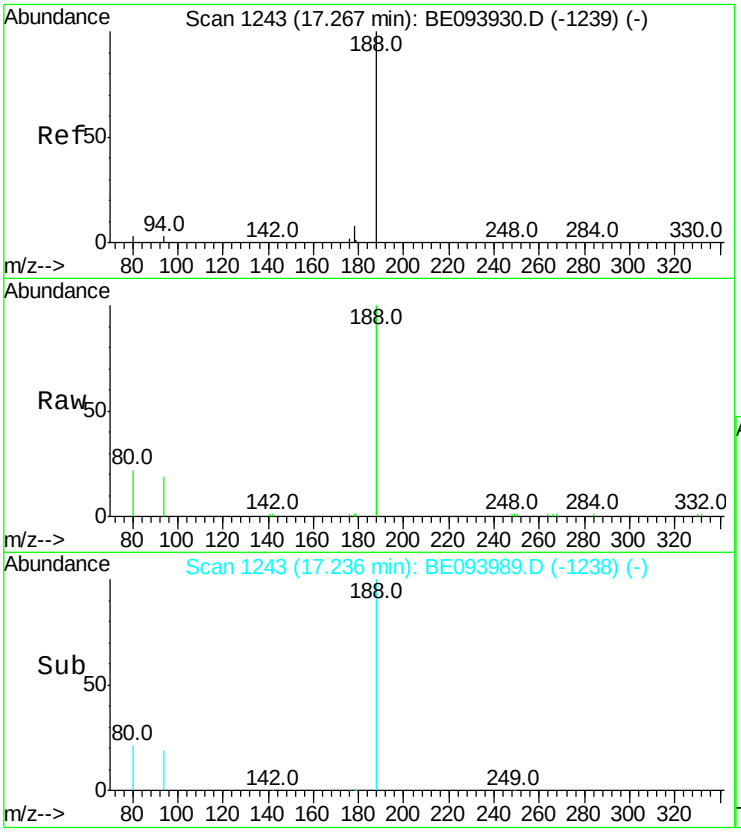


#18
Fluorene
Concen: 0.480 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:166 Resp: 9211

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.4	119.0
167	53.4	43.5	65.3



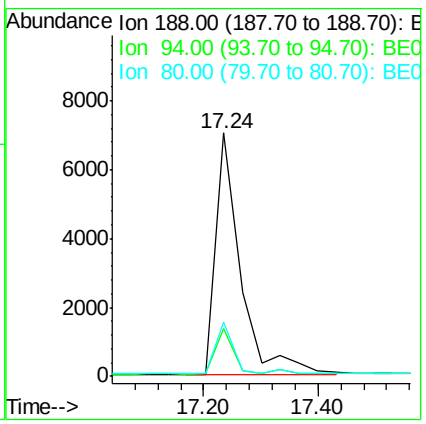


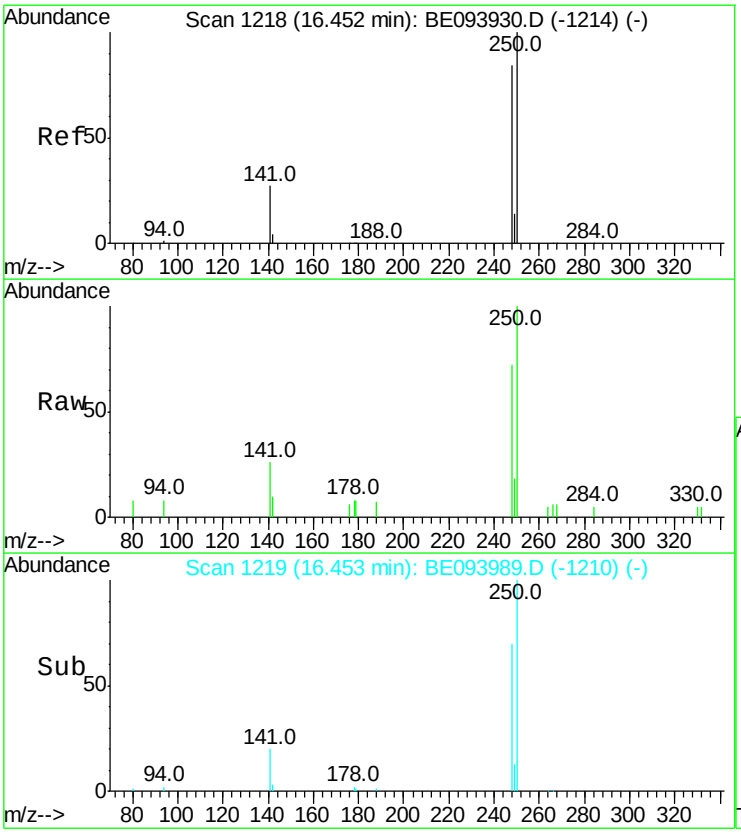
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:188 Resp: 21076

Ion	Ratio	Lower	Upper
188	100		
94	19.4	16.1	24.1
80	22.2	18.2	27.2

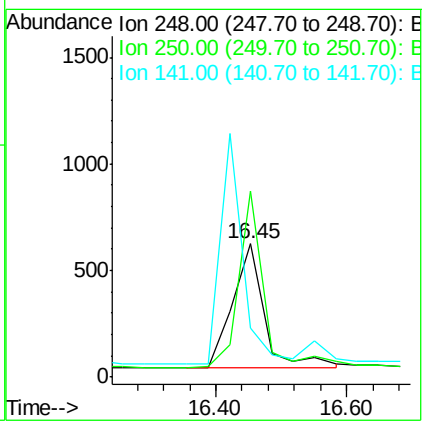


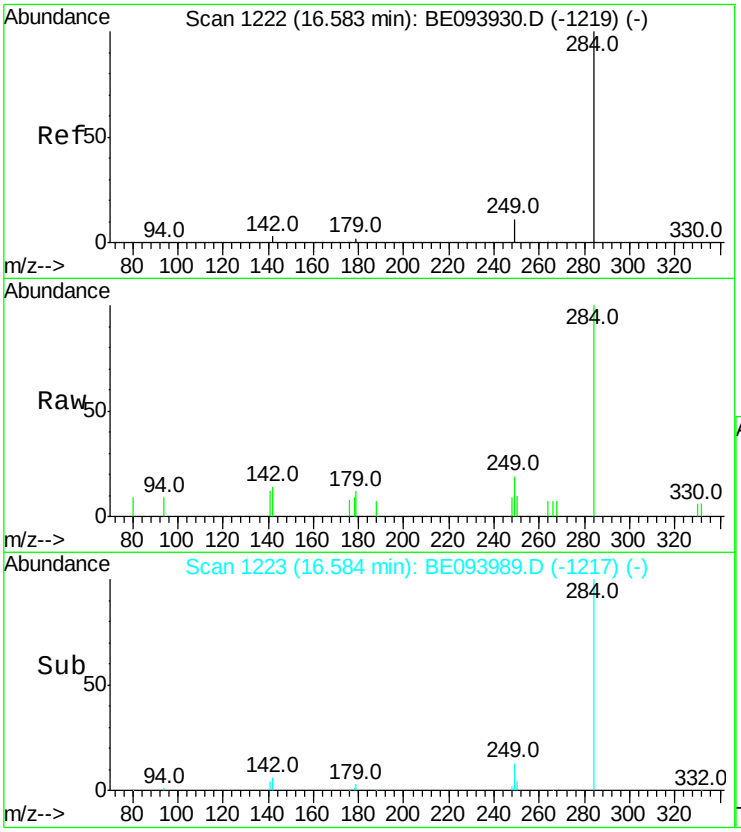


#20
4-Bromophenyl-phenylether
Concen: 0.202 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:248 Resp: 1956

Ion	Ratio	Lower	Upper
248	100		
250	139.6	111.8	167.8
141	36.7	27.1	40.7



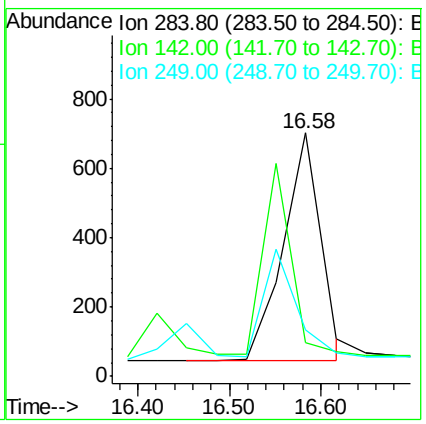


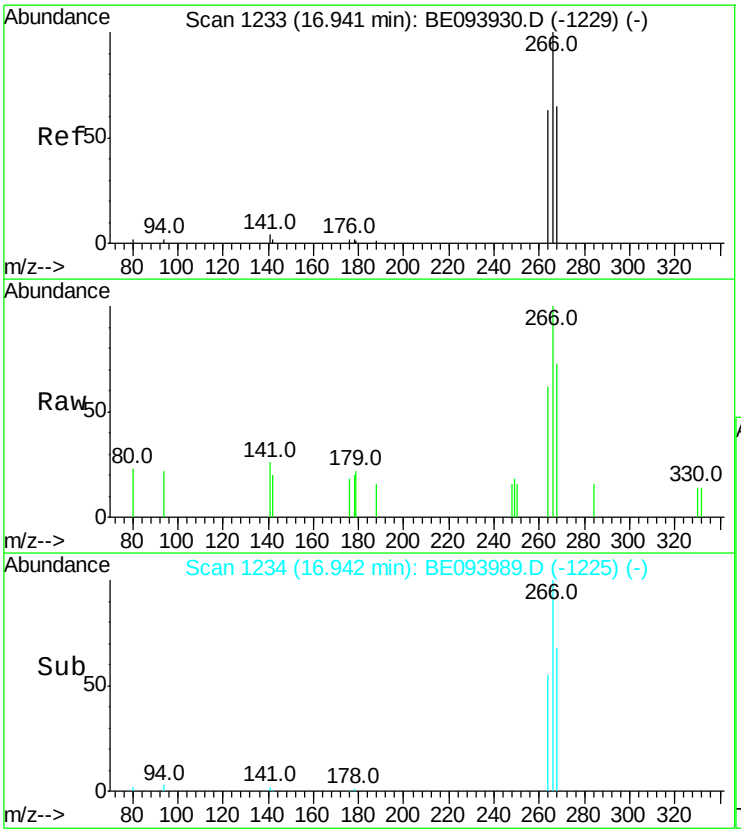
#21
Hexachlorobenzene
Concen: 0.295 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:284 Resp: 1838

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

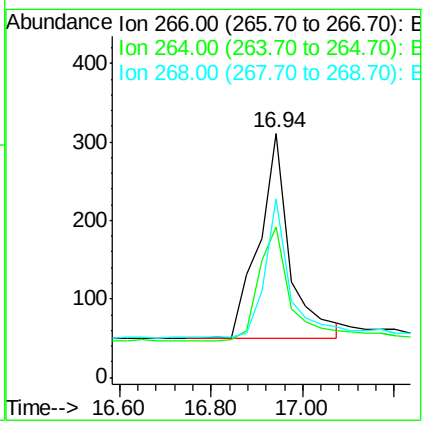


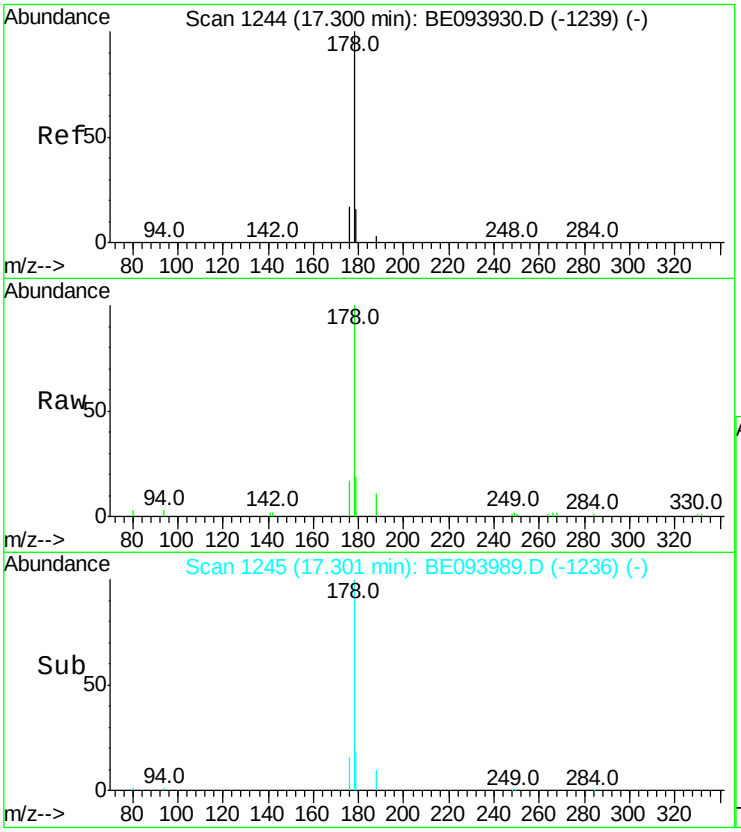


#22
Pentachlorophenol
Concen: 0.746 ng
RT: 16.94 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:266 Resp: 1246

Ion	Ratio	Lower	Upper
266	100		
264	61.7	53.5	80.3
268	73.3	60.0	90.0



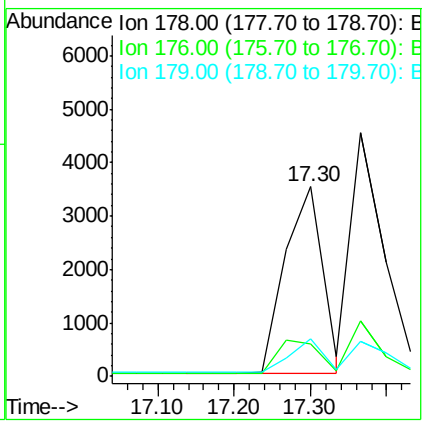


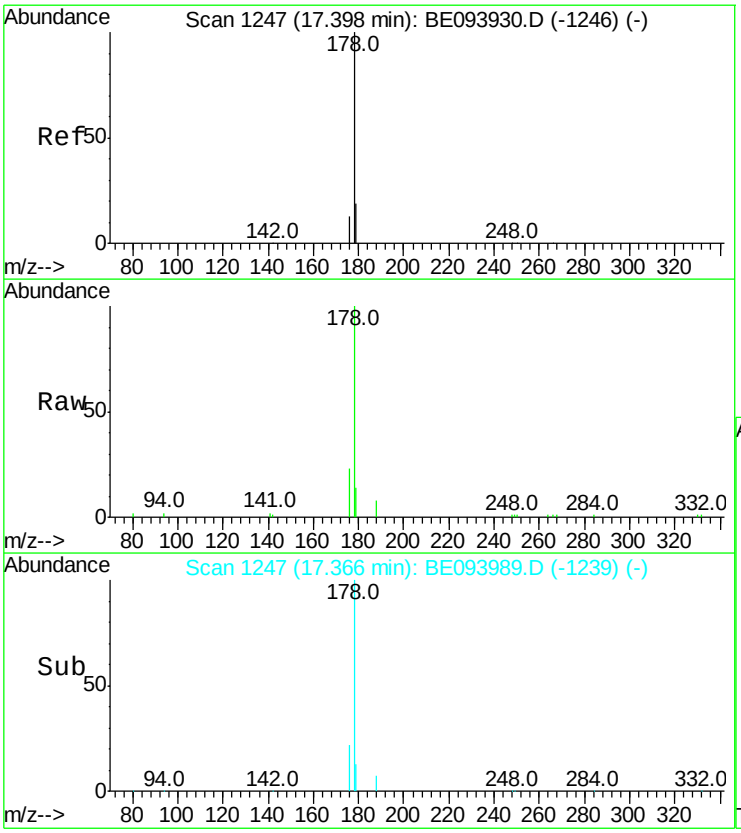
#23
Phenanthrene
Concen: 0.118 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:178 Resp: 11980

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	0.0
179	15.7	12.6	18.8

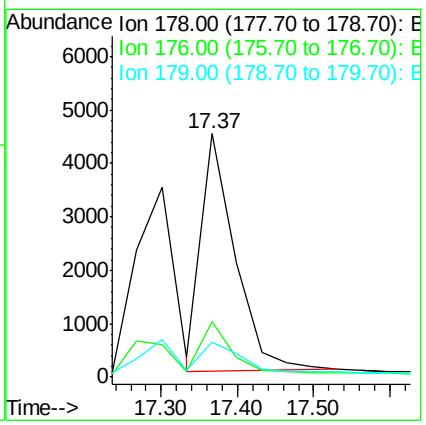


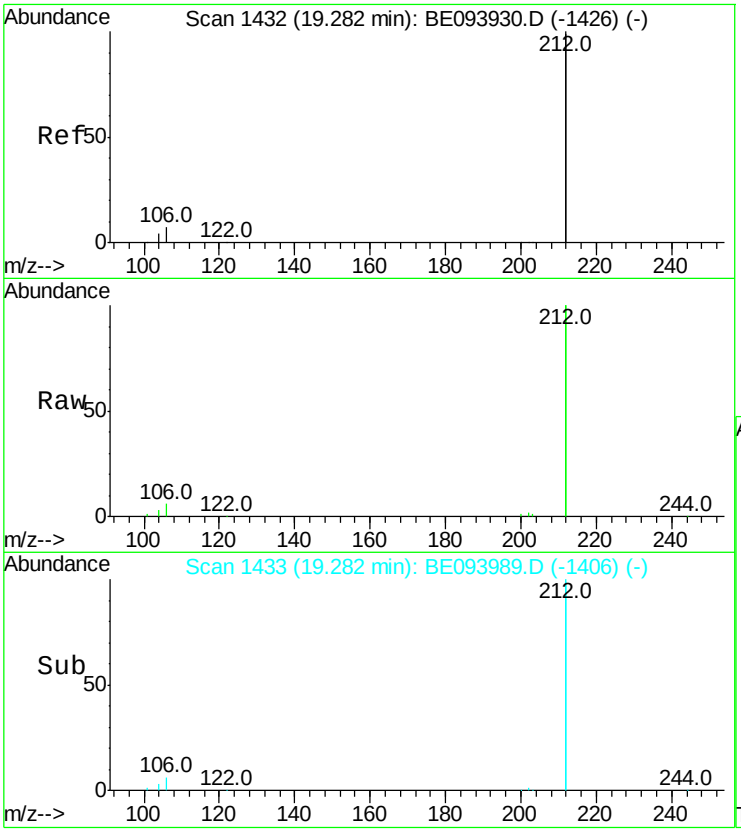


#24
Anthracene
Concen: 0.424 ng
RT: 17.37 min Scan# 1247
Delta R.T. -0.03 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:178 Resp: 13620

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	0.0	0.0	0.0



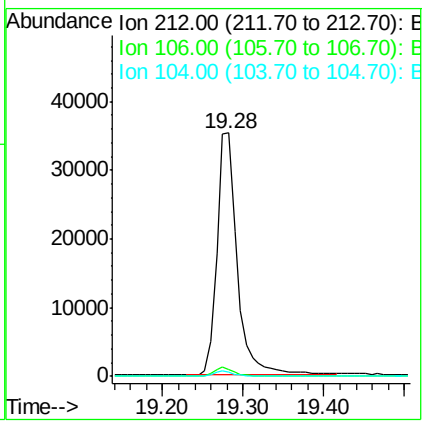


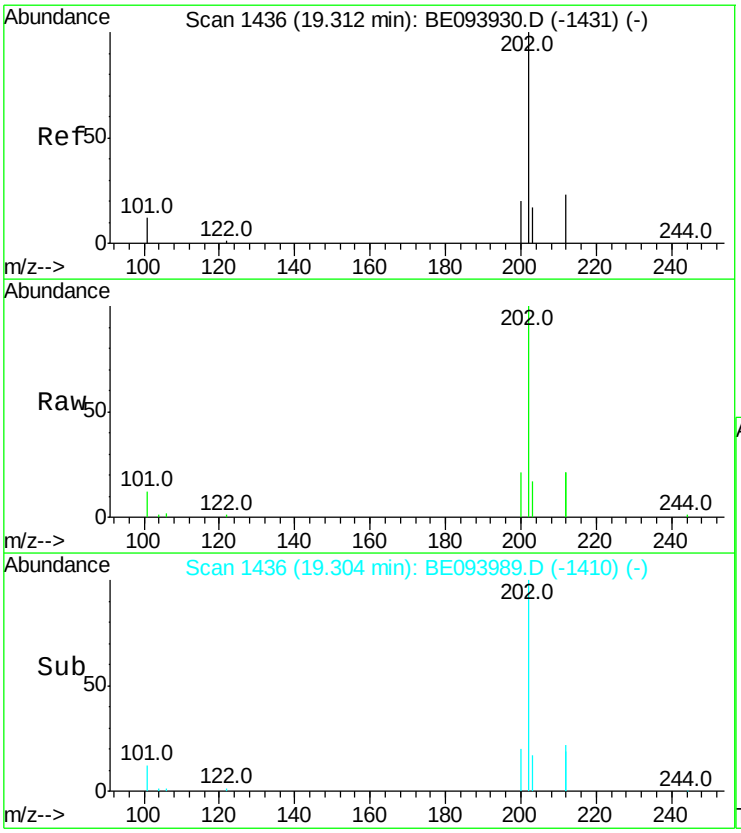
#25
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.28 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:212 Resp: 61558

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.7	4.1
104	2.0	1.6	2.4

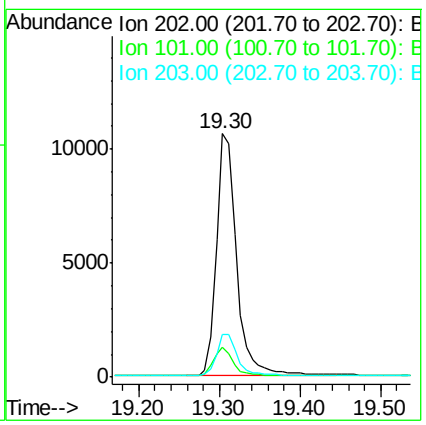


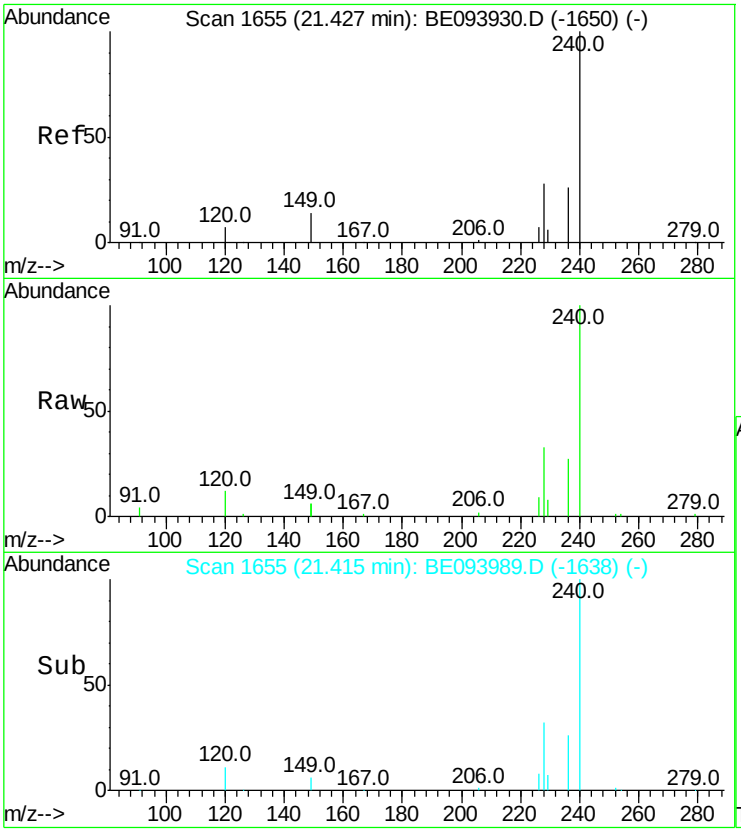


#26
Fluoranthene
Concen: 0.392 ng
RT: 19.30 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:202 Resp: 18416

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
203	16.9	13.7	20.5



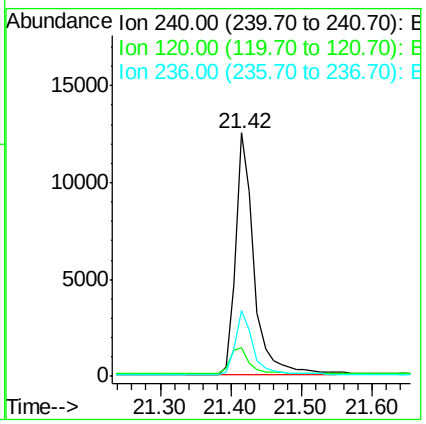


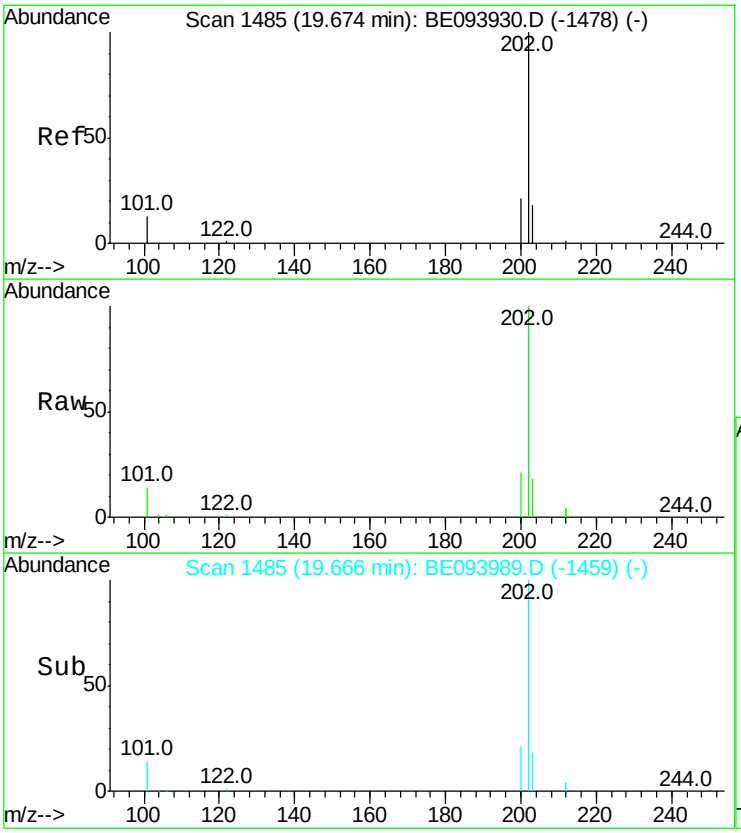
#27
Chrysene-d12
Concen: 0.800 ng
RT: 21.42 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:240 Resp: 22872

Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.7	13.1
236	26.8	21.3	31.9

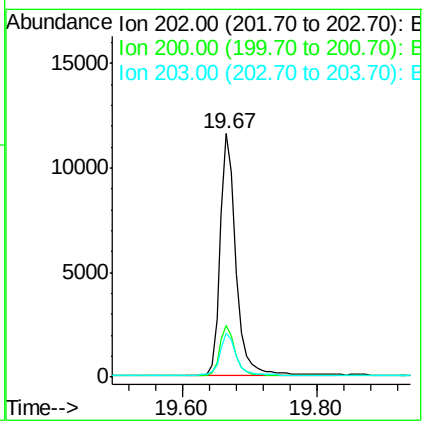


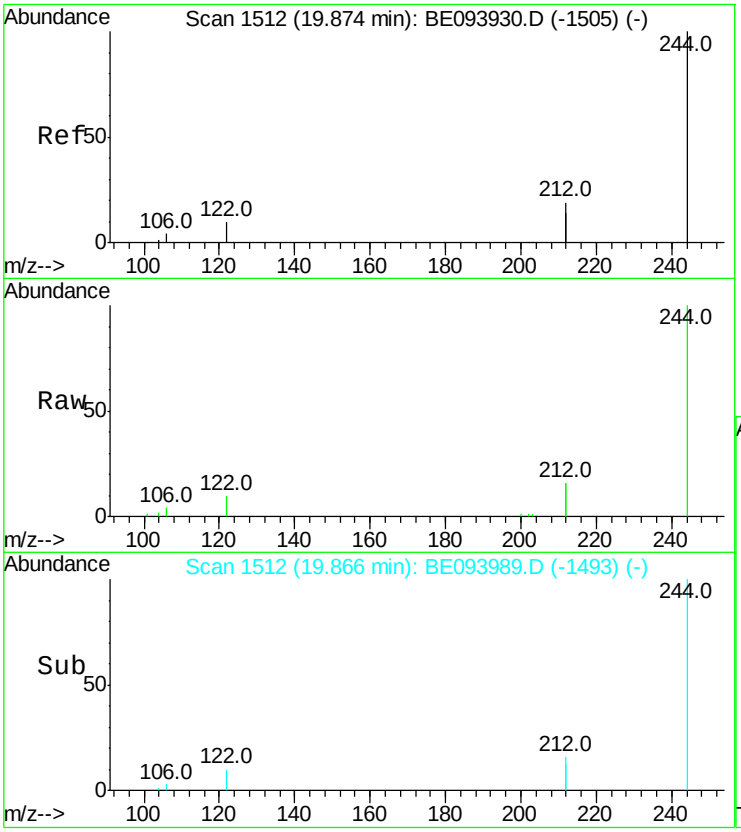


#28
Pyrene
Concen: 0.480 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:202 Resp: 18875

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.9	14.2	21.4



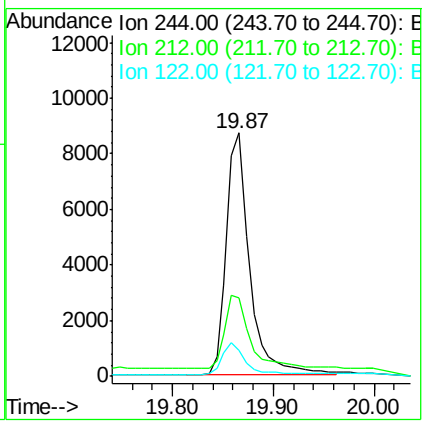


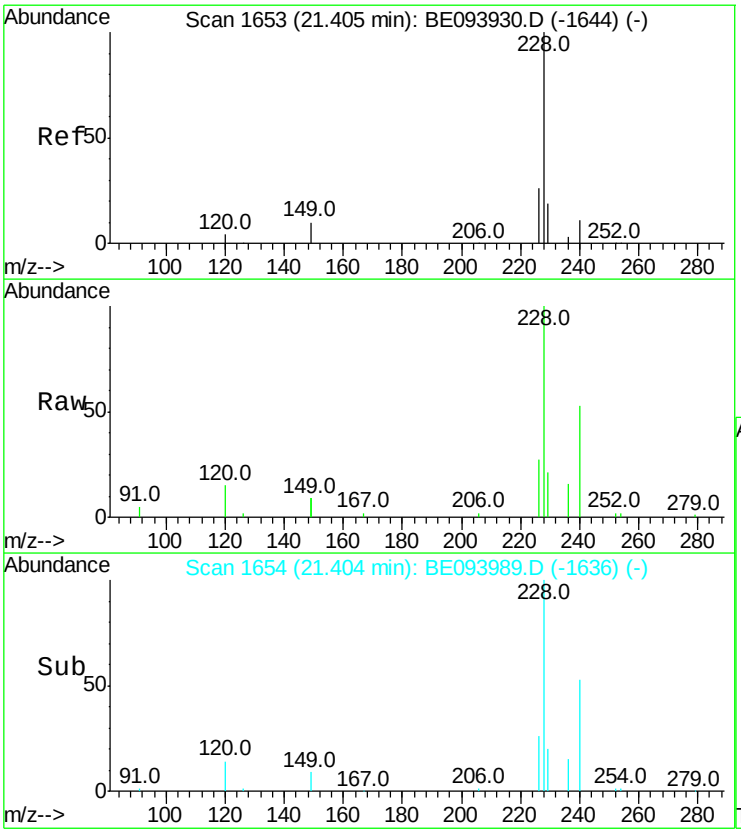
#29
Terphenyl-d14
Concen: 0.661 ng
RT: 19.87 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:244 Resp: 13919

Ion	Ratio	Lower	Upper
244	100		
212	32.4	28.3	42.5
122	10.5	9.4	14.0

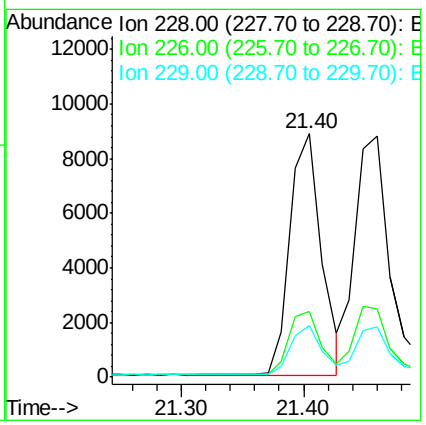


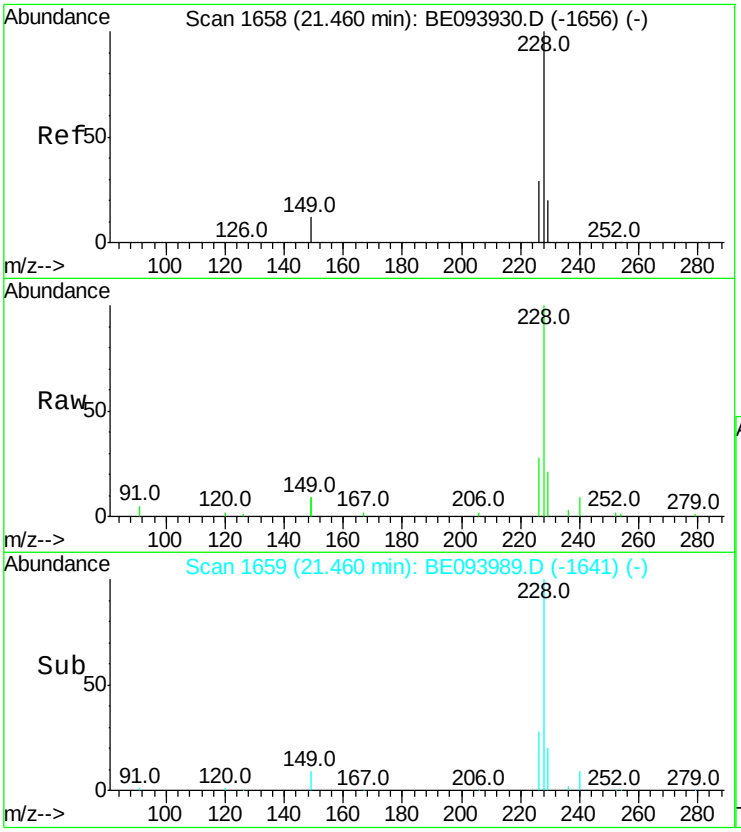


#30
Benzo(a)anthracene
Concen: 0.448 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:228 Resp: 15747

Ion	Ratio	Lower	Upper
228	100		
226	26.8	20.8	31.2
229	21.3	16.6	25.0



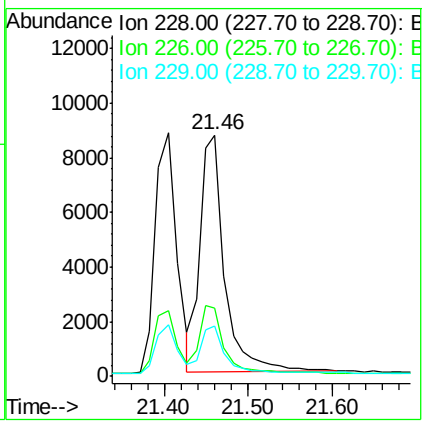


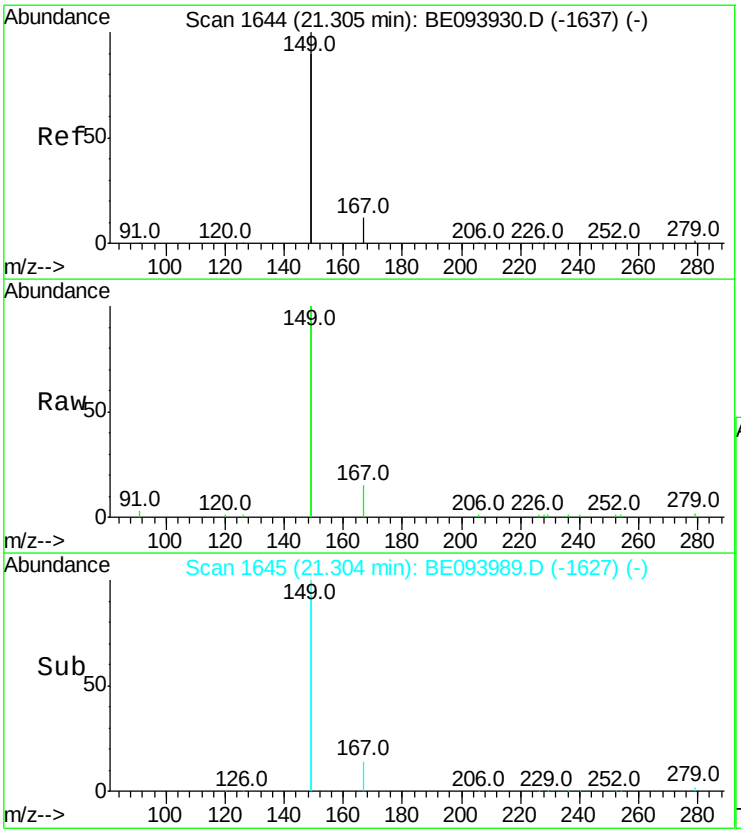
#31
Chrysene
Concen: 0.481 ng
RT: 21.46 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:228 Resp: 17857

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.6	37.0
229	20.8	15.8	23.8

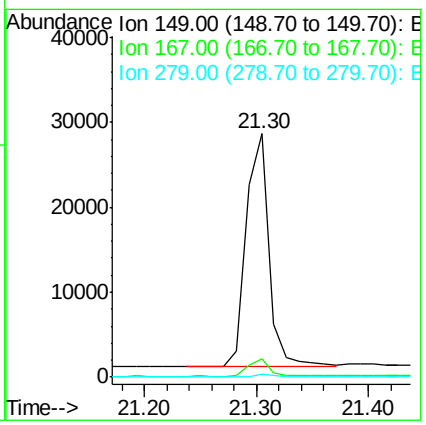


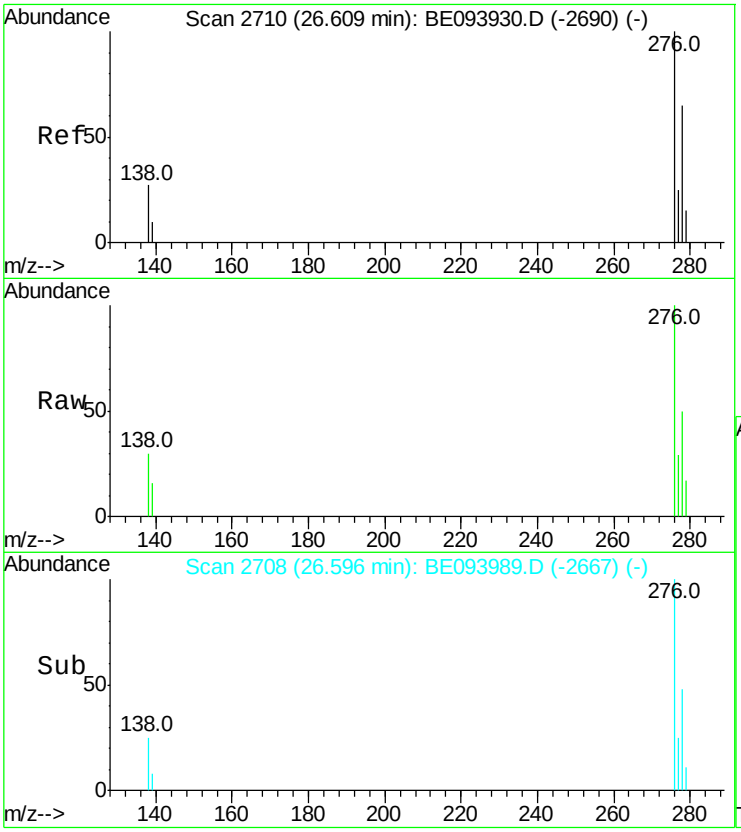


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.460 ng
RT: 21.30 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:149 Resp: 39191

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.9	0.7	1.1



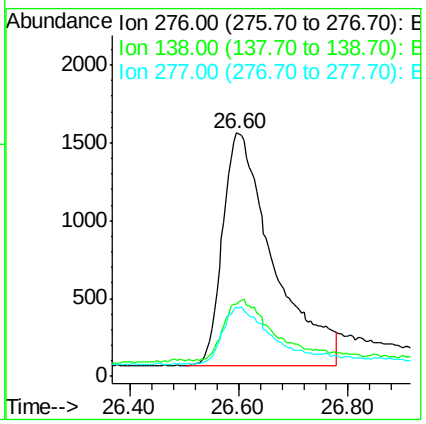


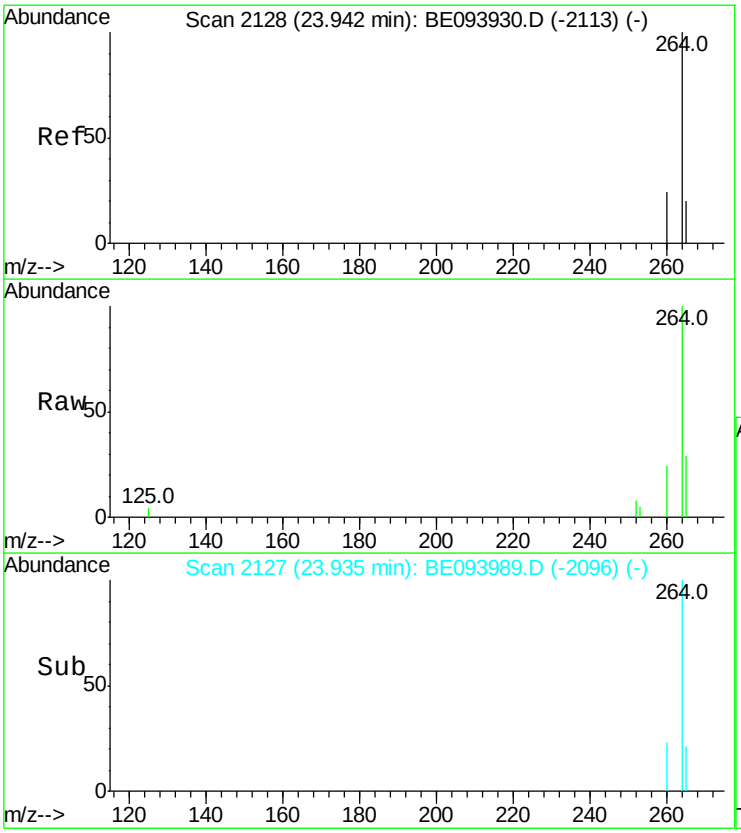
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 26.60 min Scan# 2708
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:276 Resp: 9629

Ion	Ratio	Lower	Upper
276	100		
138	26.0	22.2	33.2
277	23.6	19.5	29.3

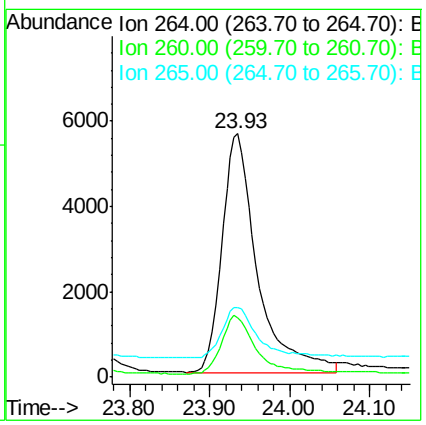


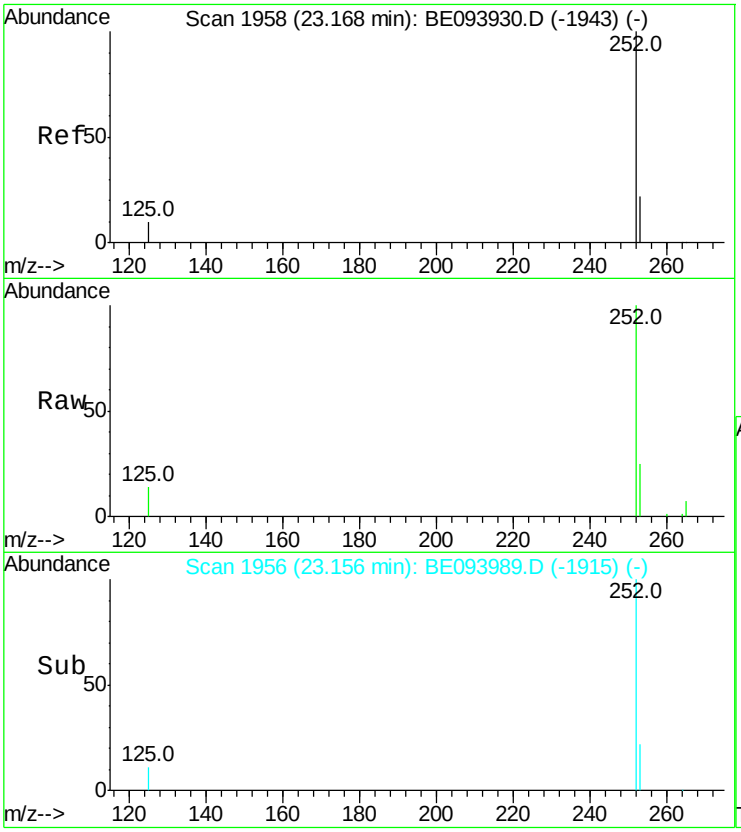


#34
Perylene-d12
Concen: 0.800 ng
RT: 23.93 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:264 Resp: 17238

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.0	30.0
265	28.7	24.0	36.0



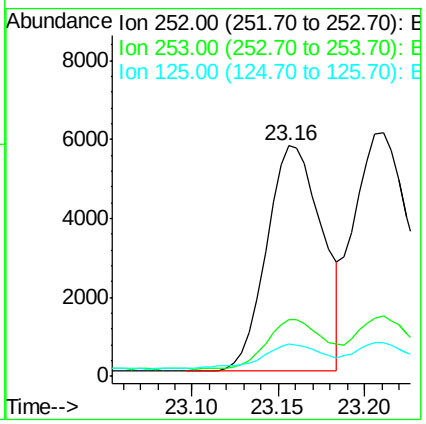


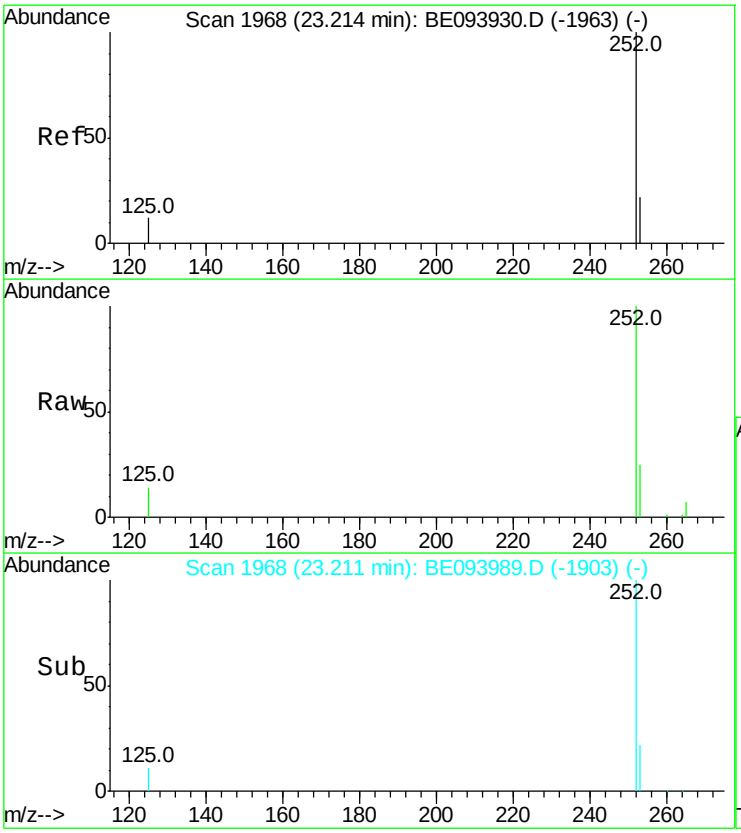
#35
Benzo(b)fluoranthene
Concen: 0.467 ng
RT: 23.16 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:252 Resp: 12809

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.0
125	13.9	10.0	15.0

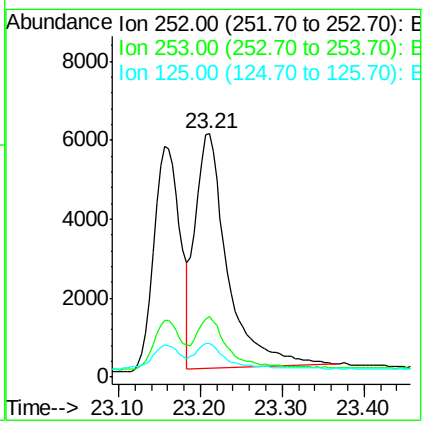


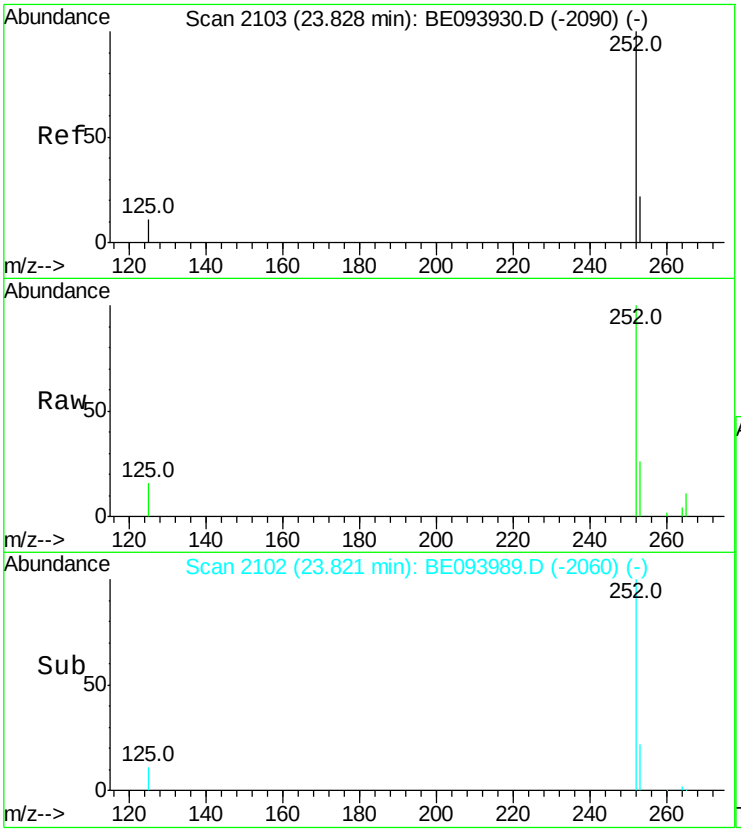


#36
Benzo(k)fluoranthene
Concen: 0.485 ng
RT: 23.21 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:252 Resp: 16332

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	13.8	9.8	14.6



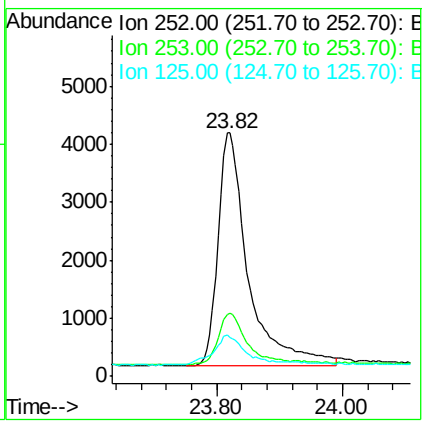


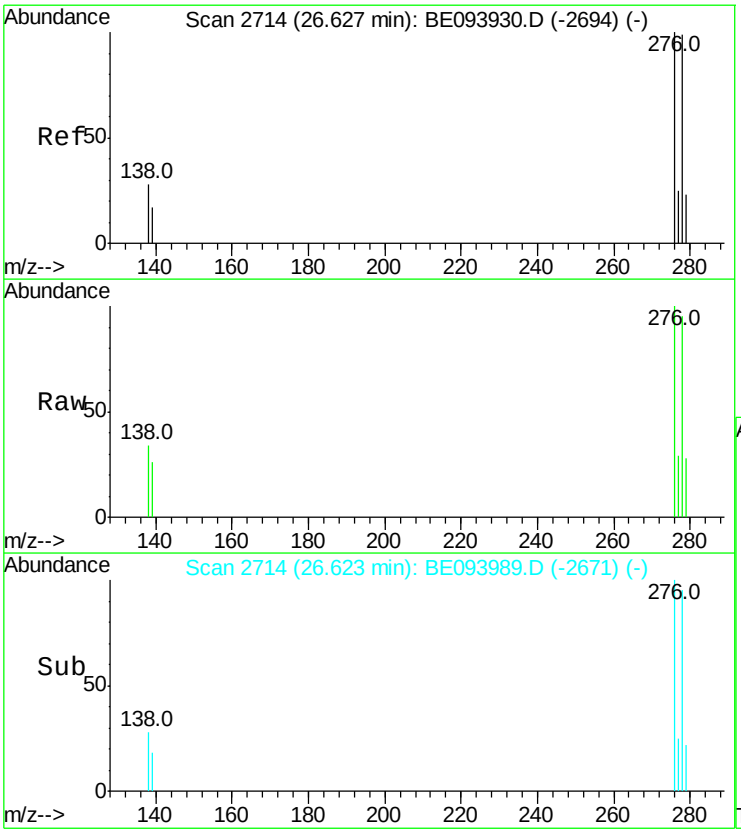
#37
Benzo(a)pyrene
Concen: 0.480 ng
RT: 23.82 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:252 Resp: 13426

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.6	29.4
125	15.7	11.8	17.8

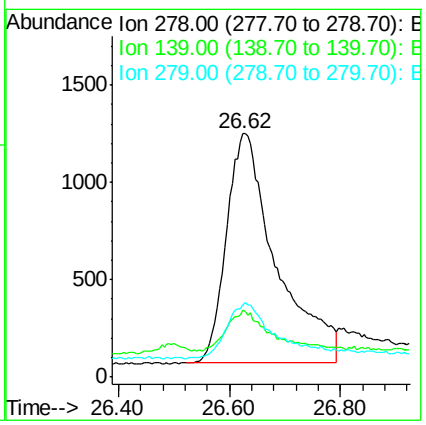


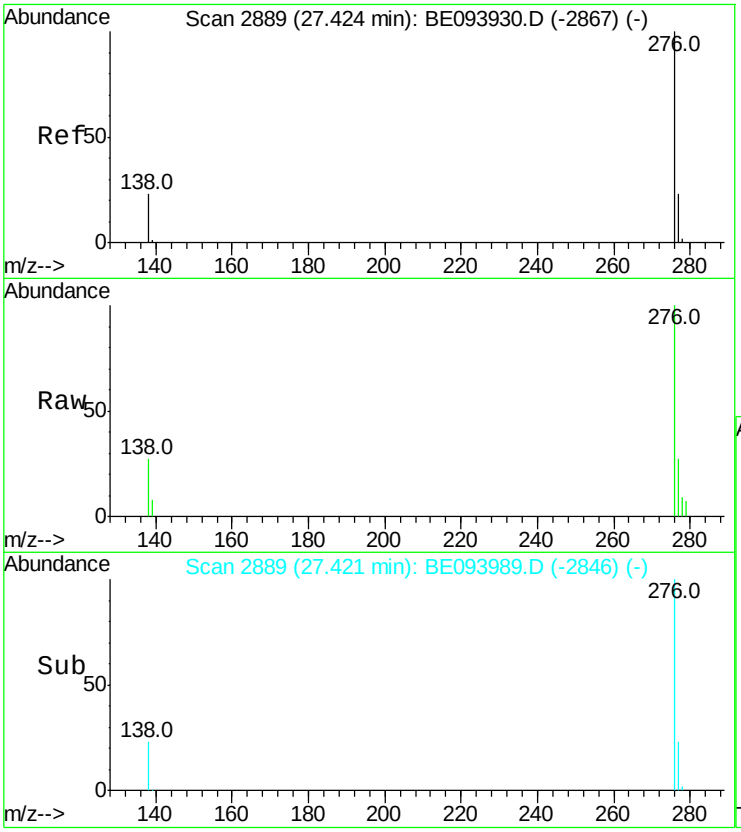


#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 26.62 min Scan# 2714
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:278 Resp: 7400

Ion	Ratio	Lower	Upper
278	100		
139	27.3	16.7	25.1#
279	29.4	21.6	32.4





#39
Benzo(g,h,i)perylene
Concen: 0.442 ng
RT: 27.42 min Scan# 2889
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tgt Ion:276 Resp: 8639

Ion	Ratio	Lower	Upper
276	100		
277	27.0	20.6	30.8
138	27.4	21.9	32.9