Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093990.D
Acq On : 13 Sep 2017 15:43
Operator : SJ/JU
Sample : I5189-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 2

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

Quant Time: Sep 14 00:54:02 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	2787	0.80	ng		0.00
7) Naphthalene-d8	10.71	136	14011	0.80	ng		0.00
13) Acenaphthene-d10	14.52	164	8379	0.80	ng		0.00
19) Phenanthrene-d10	17.24	188	19176	0.80	ng		-0.03
27) Chrysene-d12	21.42	240	21702	0.80	ng		-0.01
34) Perylene-d12	23.93	264	16474	0.80	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	990	0.22	ng		0.00
5) Phenol-d6	7.11	99	848	0.13	ng		0.00
8) Nitrobenzene-d5	9.08	82	2819	0.48	ng		0.00
11) 2-Methylnaphthalene-d10	12.29	152	5489	0.49	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	522	0.40	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	8505	0.51	ng		0.00
25) Fluoranthene-d10	19.28	212	59091	0.41	ng		0.00
29) Terphenyl-d14	19.86	244	12973	0.65	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	436	0.227	ng	#	1
3) n-Nitrosodimethylamine	3.75	42	463	0.206	ng	#	88
6) bis(2-Chloroethyl)ether	7.34	93	2446	0.443	ng		95
9) Naphthalene	10.76	128	36565	0.455	ng		100
10) Hexachlorobutadiene	11.03	225	1209	0.414	ng		98
12) 2-Methylnaphthalene	12.36	142	6375	0.478	ng		98
16) Acenaphthylene	14.24	152	9210	0.440	ng		100
17) Acenaphthene	14.58	154	6440	0.456	ng		98
18) Fluorene	15.58	166	8411	0.461	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1821	0.211	ng		98
21) Hexachlorobenzene	16.58	284	1703	0.301	ng	#	100
22) Pentachlorophenol	16.94	266	1142	0.751	ng		96
23) Phenanthrene	17.30	178	10882	0.117	ng	#	99
24) Anthracene	17.37	178	12397	0.425	ng	#	99
26) Fluoranthene	19.31	202	17173	0.402	ng		99
28) Pyrene	19.67	202	17757	0.476	ng		99
30) Benzo(a)anthracene	21.40	228	14969	0.449	ng		99
31) Chrysene	21.45	228	16719	0.474	ng		99
32) Bis(2-ethylhexyl)phthalate	21.30	149	35830	0.443	ng		100
33) Indeno(1,2,3-cd)pyrene	26.61	276	8969	0.382	ng		98
35) Benzo(b)fluoranthene	23.16	252	12120	0.462	ng		98
36) Benzo(k)fluoranthene	23.21	252	16020	0.498	ng		96
37) Benzo(a)pyrene	23.82	252	12267	0.459	ng		97
38) Dibenzo(a,h)anthracene	26.62	278	7109	0.401	ng	#	91
39) Benzo(g,h,i)perylene	27.42	276	8191	0.438	ng		97

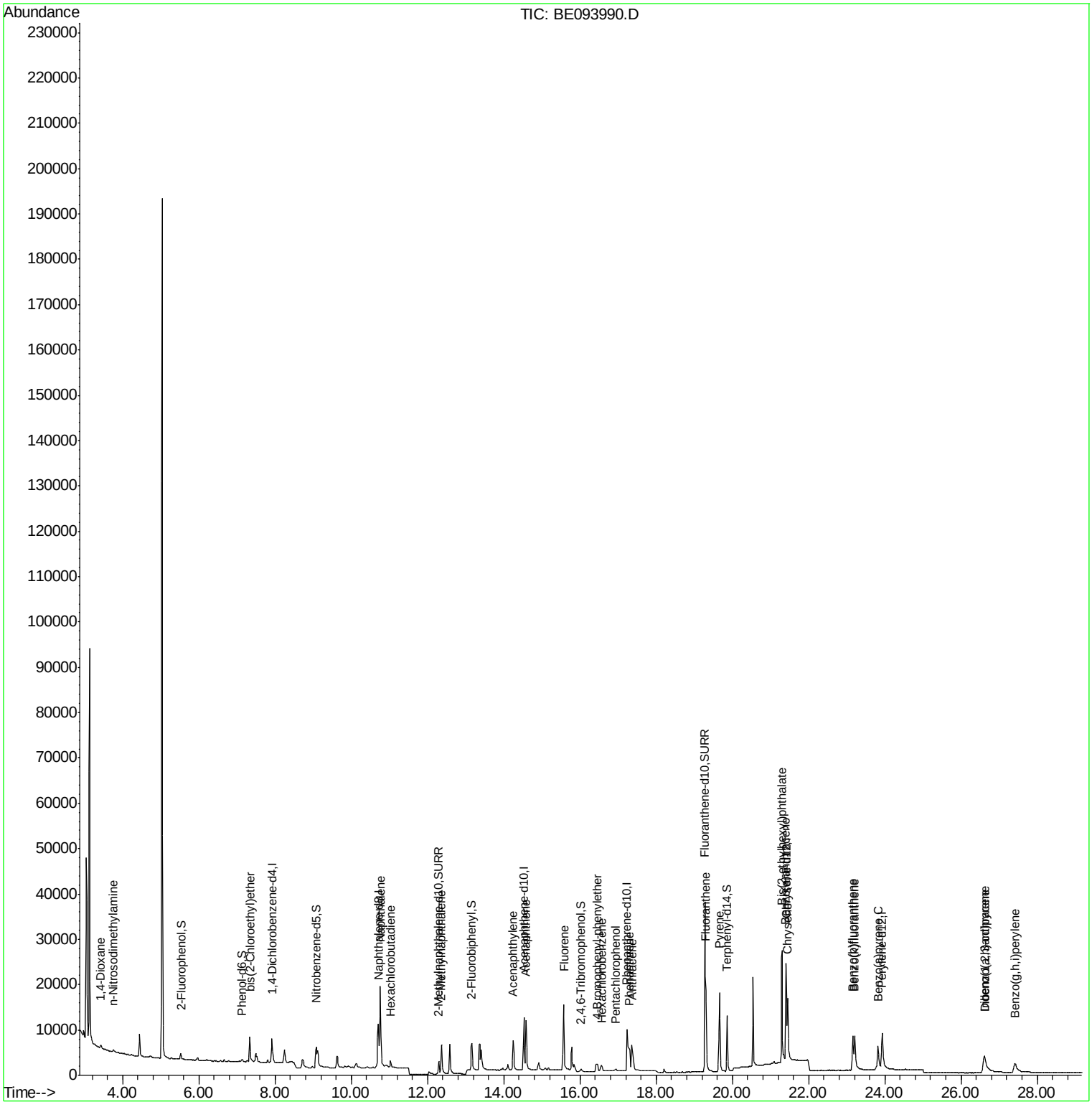
(#) = qualifier out of range (m) = manual integration (+) = signals summed

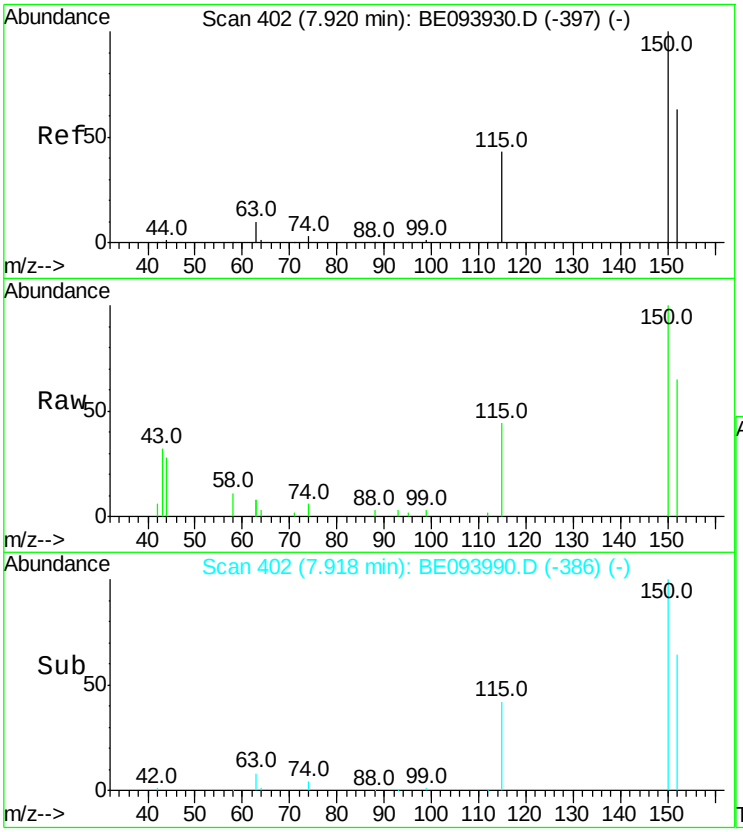
Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093990.D
Acq On : 13 Sep 2017 15:43
Operator : SJ/JU
Sample : I5189-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 2

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

Quant Time: Sep 14 00:54:02 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



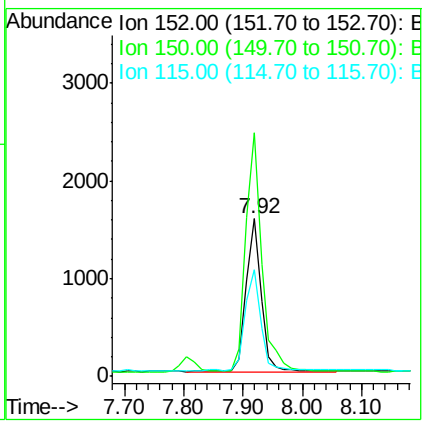


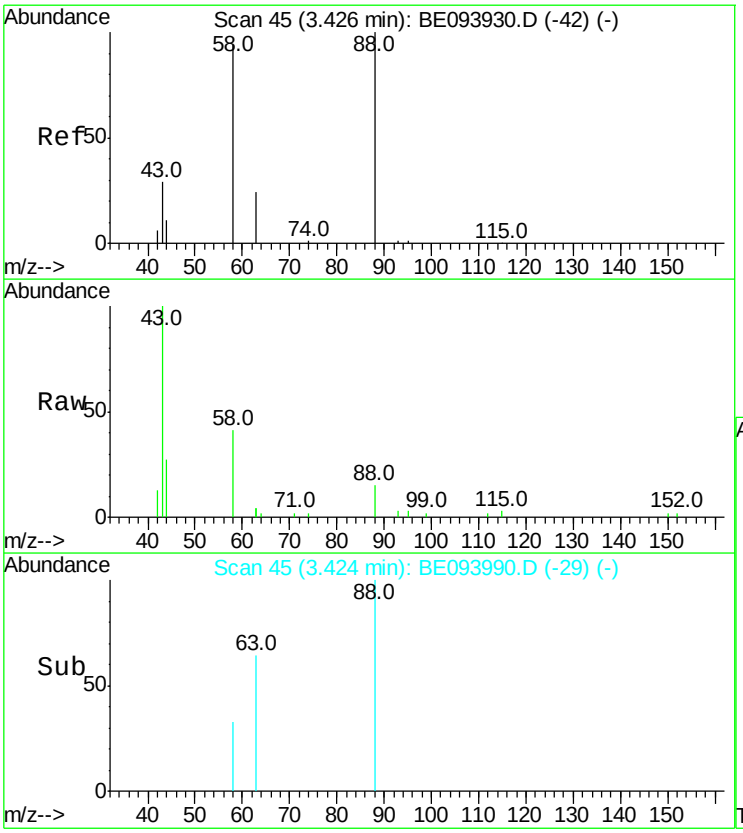
#1
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:152 Resp: 2787

Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.8	182.6
115	67.5	52.6	79.0

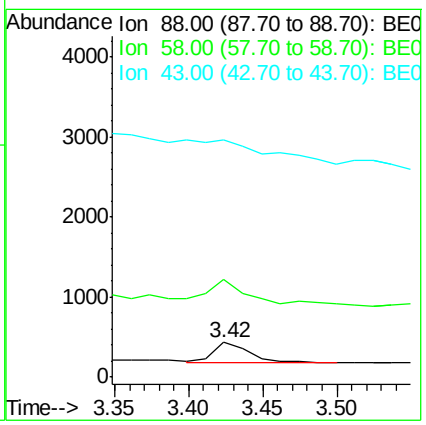


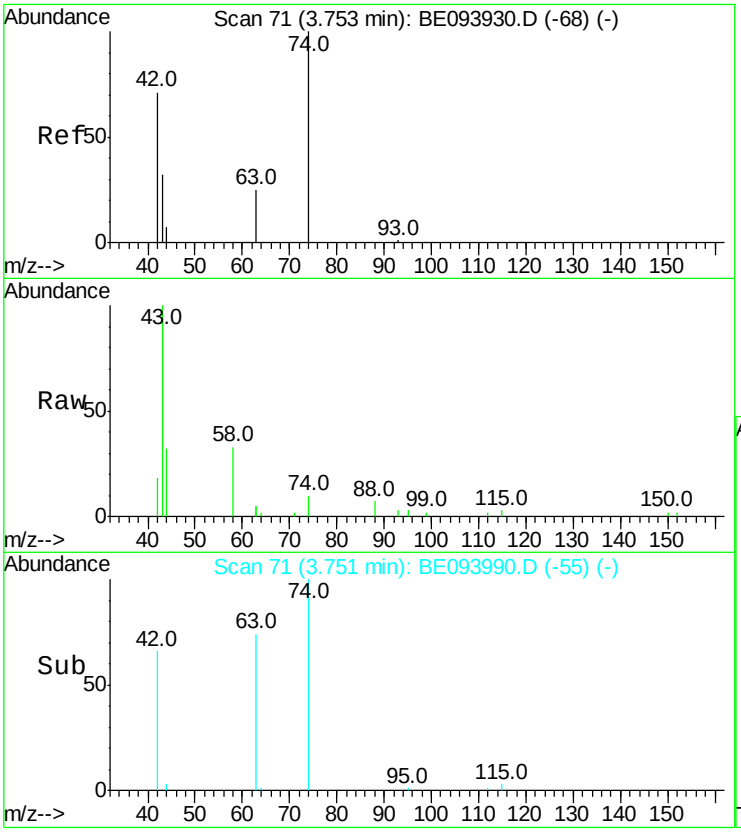


#2
1,4-Dioxane
Concen: 0.227 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion: 88 Resp: 436

Ion	Ratio	Lower	Upper
88	100		
58	261.5	65.4	98.0#
43	0.0	23.9	35.9#



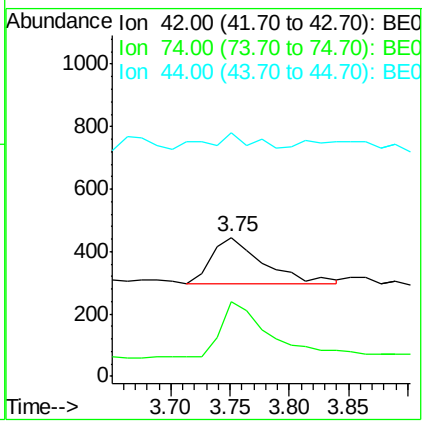


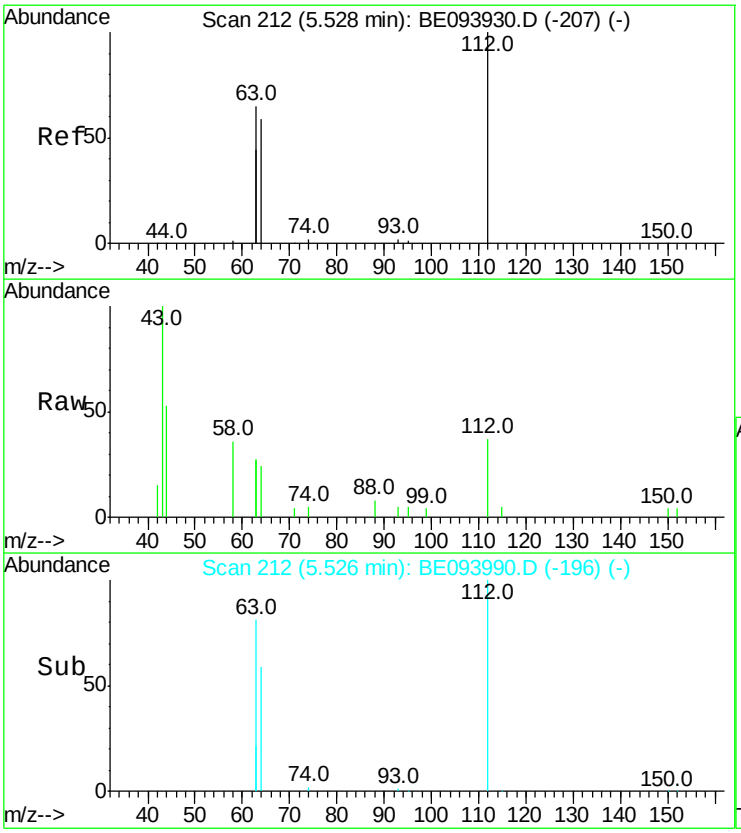
#3
n-Nitrosodimethylamine
Concen: 0.206 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion: 42 Resp: 463

Ion	Ratio	Lower	Upper
42	100		
74	119.7	104.0	156.0
44	32.4	13.8	20.8#

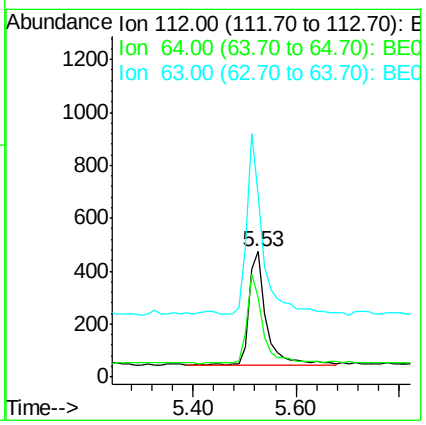


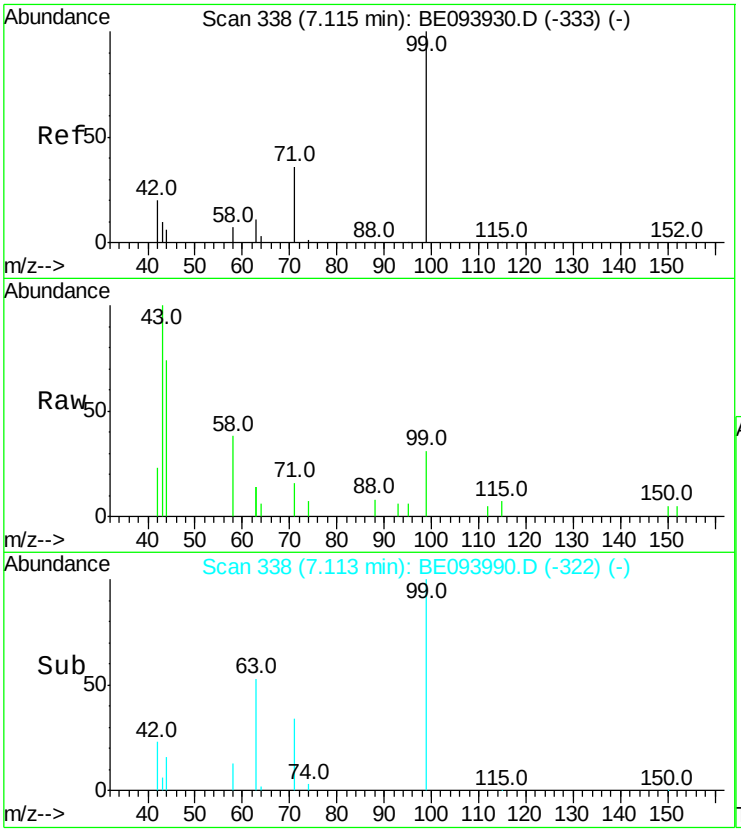


#4
2-Fluorophenol
Concen: 0.220 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:112 Resp: 990

Ion	Ratio	Lower	Upper
112	100		
64	72.2	57.7	86.5
63	147.8	116.0	174.0



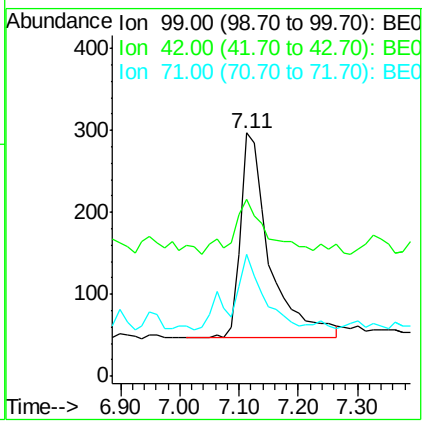


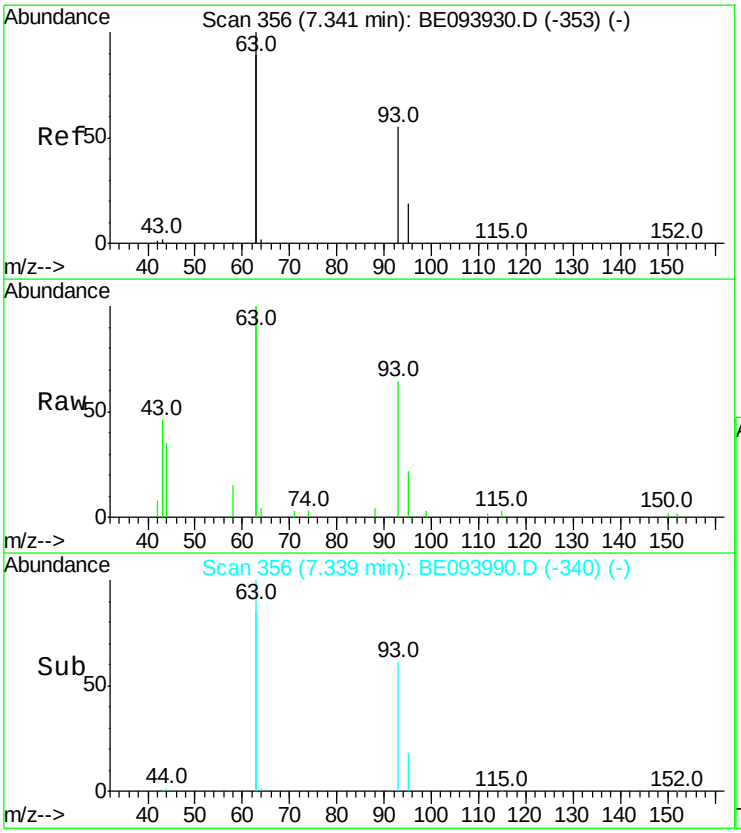
#5
Phenol-d6
Concen: 0.125 ng
RT: 7.11 min Scan# 338
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion: 99 Resp: 848

Ion	Ratio	Lower	Upper
99	100		
42	30.4	17.1	25.7#
71	29.0	26.6	39.8

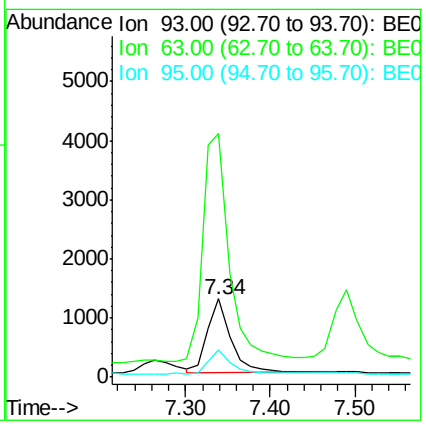


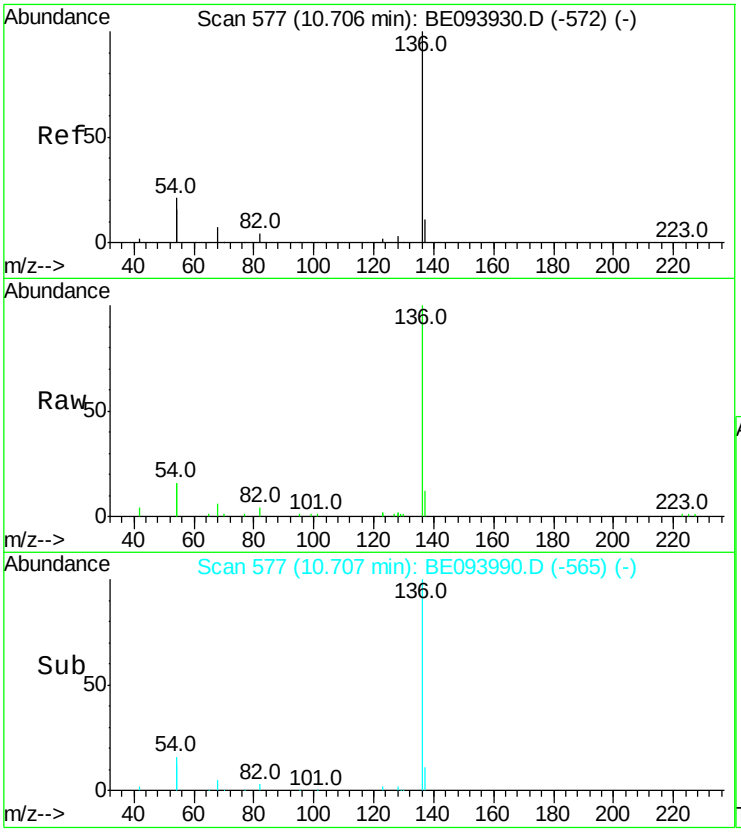


#6
bis(2-Chloroethyl)ether
Concen: 0.443 ng
RT: 7.34 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion: 93 Resp: 2446

Ion	Ratio	Lower	Upper
93	100		
63	343.8	283.4	425.2
95	31.5	26.9	40.3



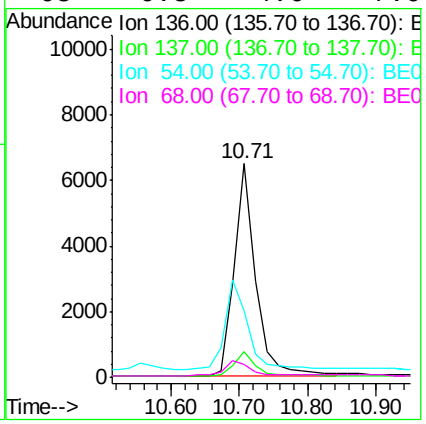


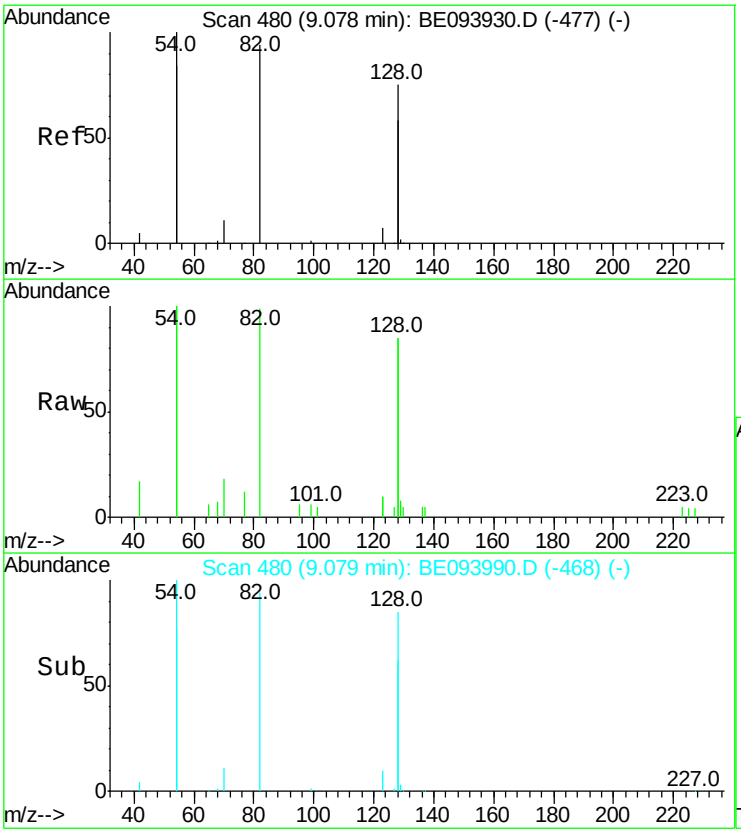
#7
Naphthalene-d8
Concen: 0.800 ng
RT: 10.71 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:136 Resp: 14011

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	31.4	21.9	32.9
68	6.3	4.6	7.0

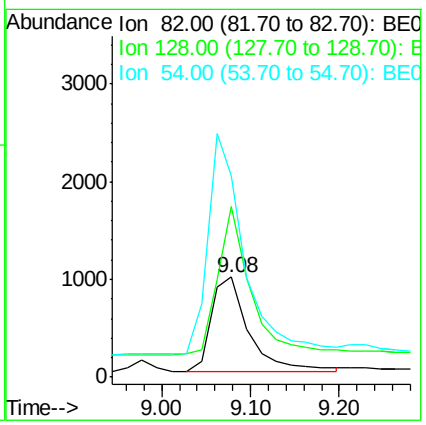


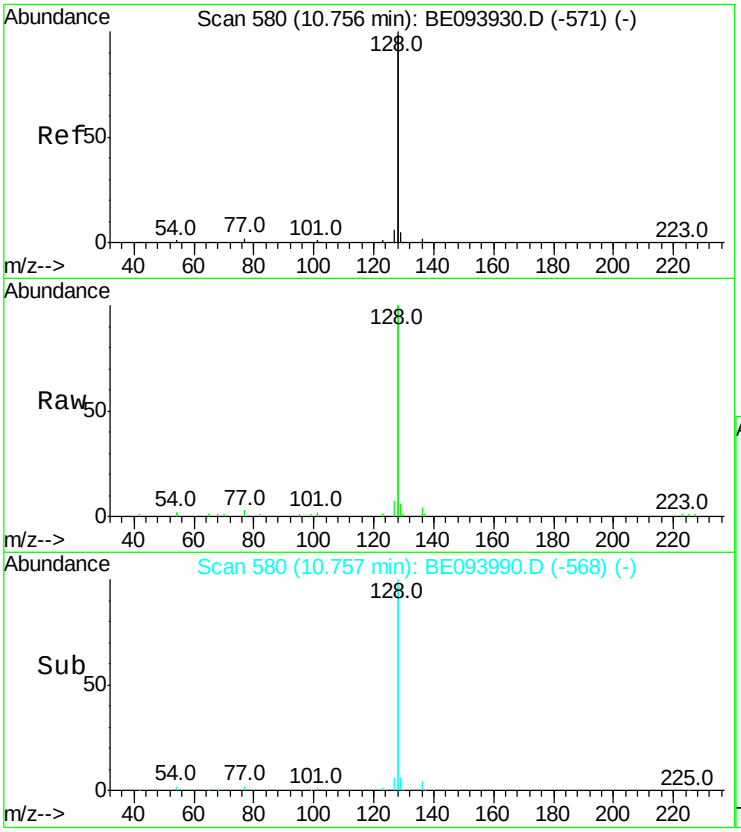


#8
Nitrobenzene-d5
Concen: 0.476 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion: 82 Resp: 2819

Ion	Ratio	Lower	Upper
82	100		
128	171.2	91.4	137.0#
54	202.2	197.8	296.8



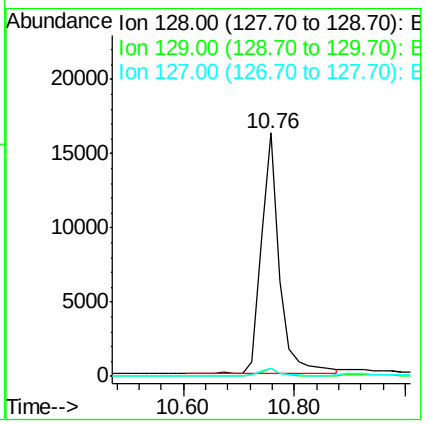


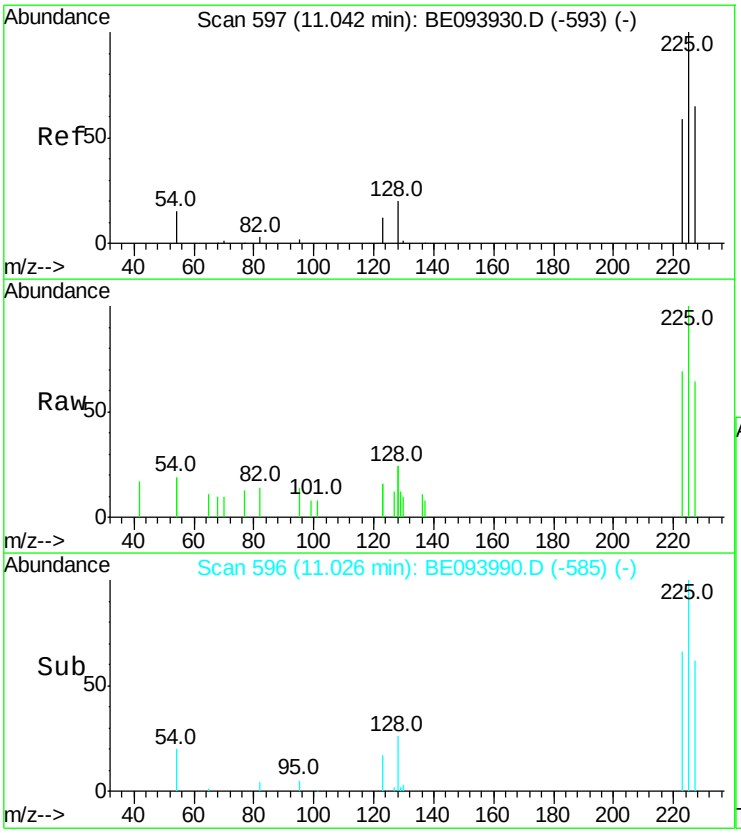
#9
Naphthalene
Concen: 0.455 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:128 Resp: 36565

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

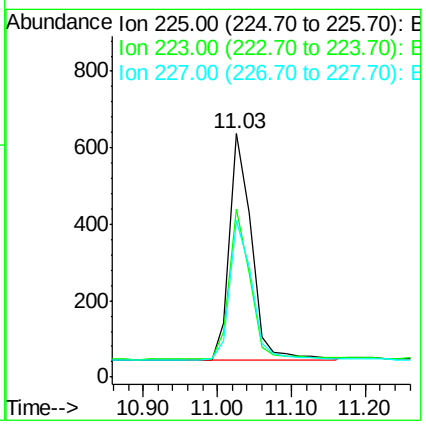


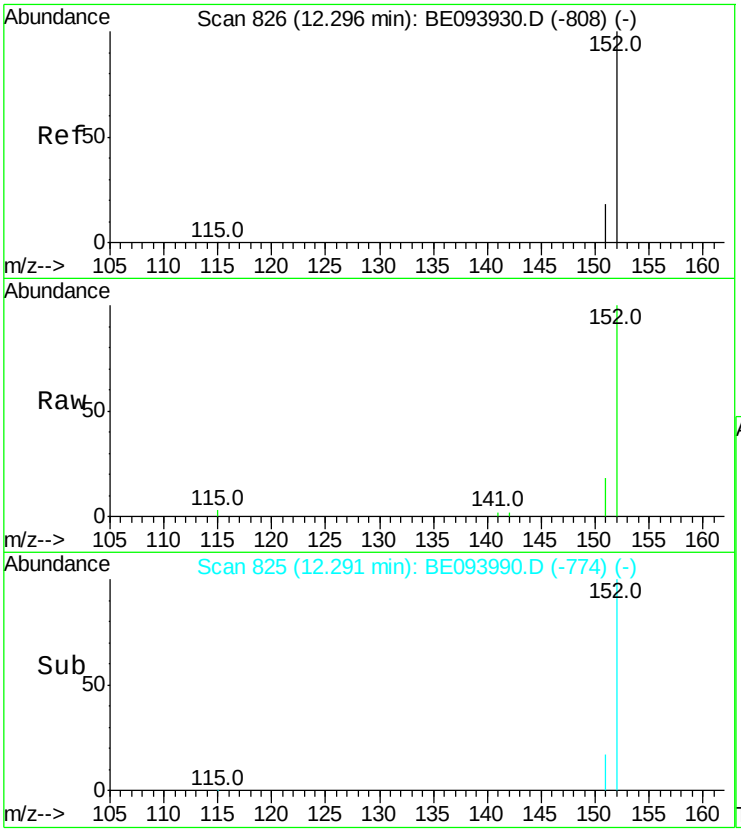


#10
Hexachlorobutadiene
Concen: 0.414 ng
RT: 11.03 min Scan# 596
Delta R.T. -0.02 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:225 Resp: 1209

Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.4	74.0
227	63.4	50.5	75.7



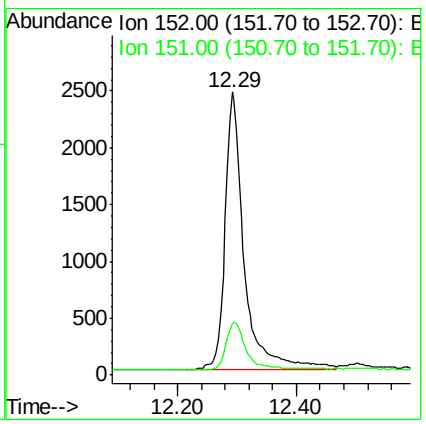


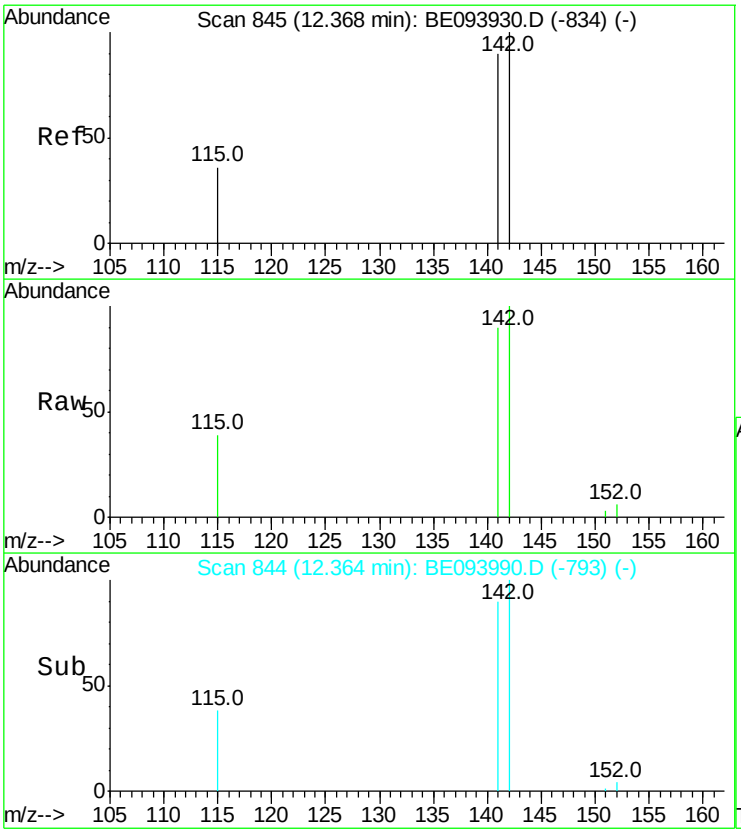
#11
2-Methylnaphthalene-d10
Concen: 0.490 ng
RT: 12.29 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:152 Resp: 5489

Ion	Ratio	Lower	Upper
152	100		
151	18.0	15.4	23.0

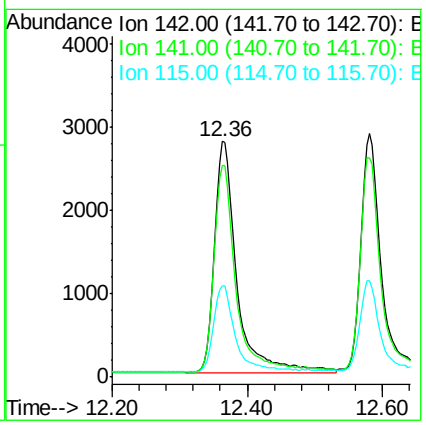


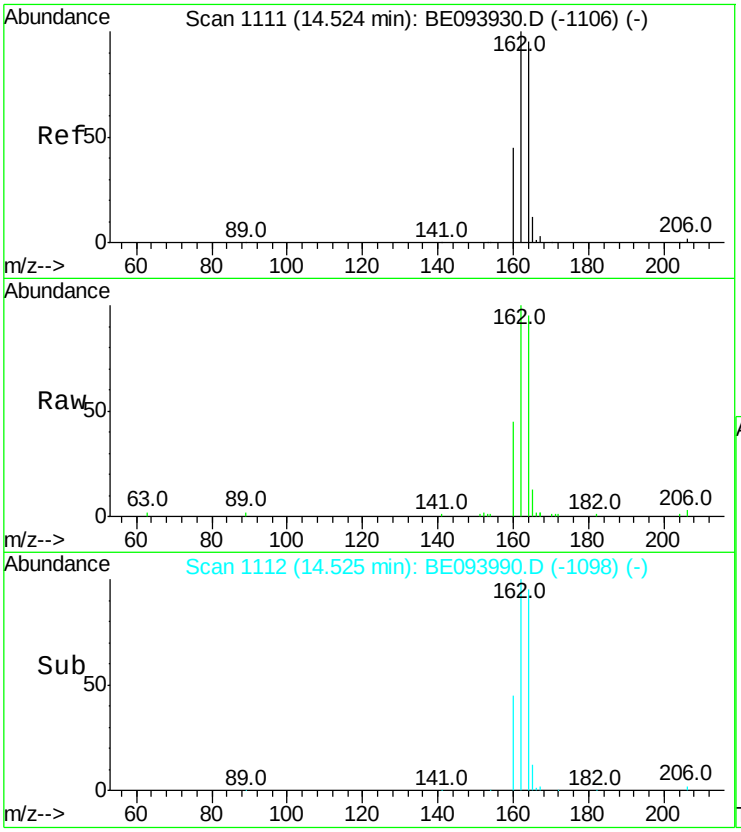


#12
2-Methylnaphthalene
Concen: 0.478 ng
RT: 12.36 min Scan# 844
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:142 Resp: 6375

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.2
115	38.8	29.4	44.0



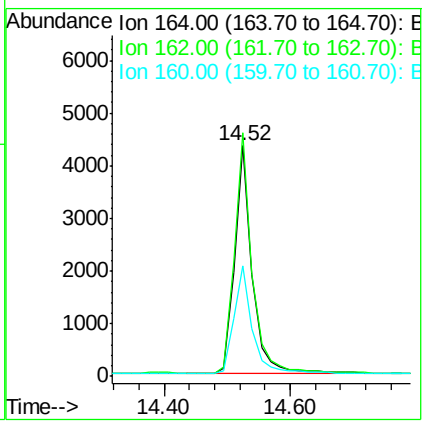


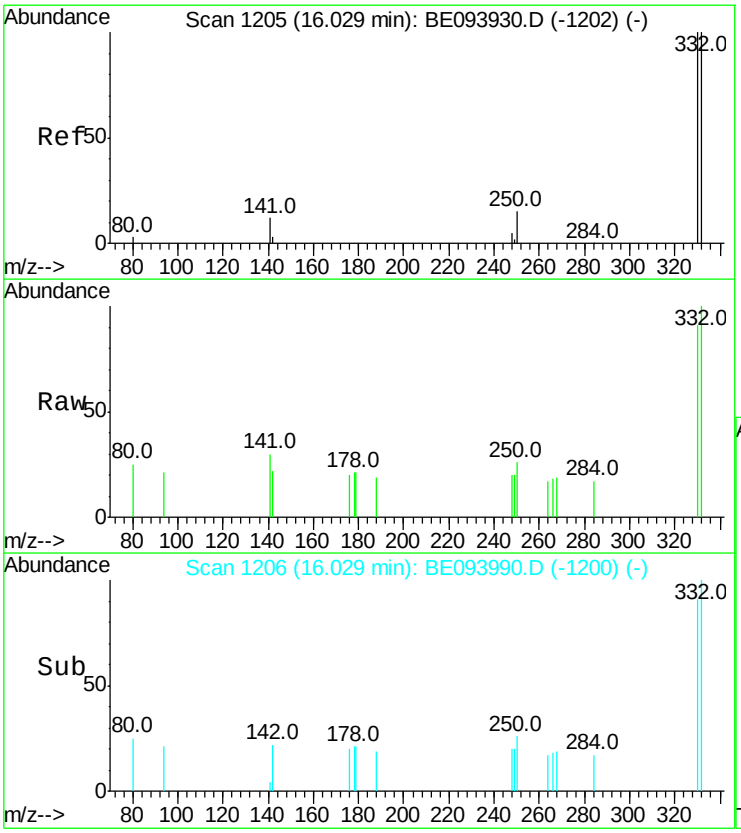
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:164 Resp: 8379

Ion	Ratio	Lower	Upper
164	100		
162	105.5	80.8	121.2
160	47.7	37.0	55.4

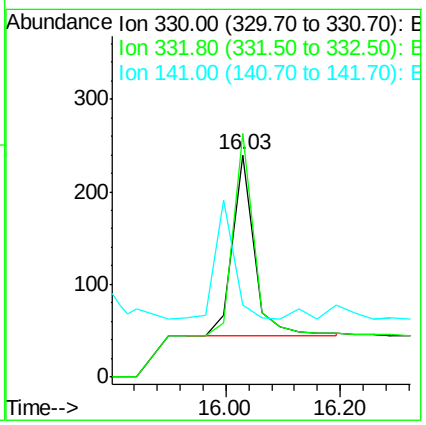


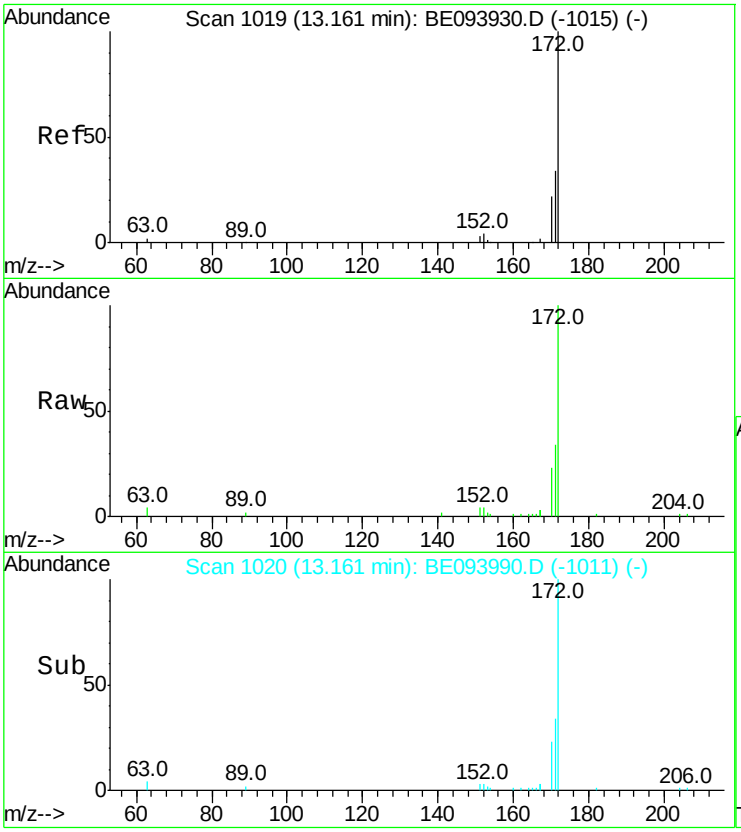


#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:330 Resp: 522

Ion	Ratio	Lower	Upper
330	100		
332	103.8	76.9	115.3
141	0.0	0.0	0.0



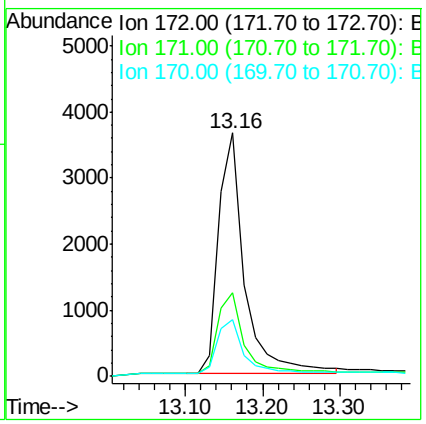


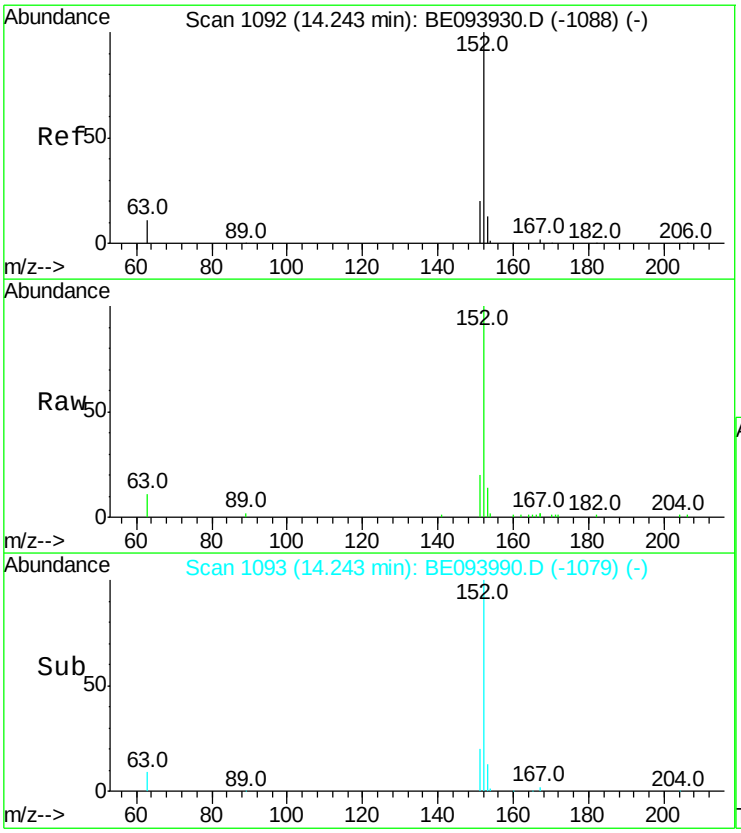
#15
2-Fluorobiphenyl
Concen: 0.513 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:172 Resp: 8505

Ion	Ratio	Lower	Upper
172	100		
171	34.1	26.9	40.3
170	23.1	17.3	25.9

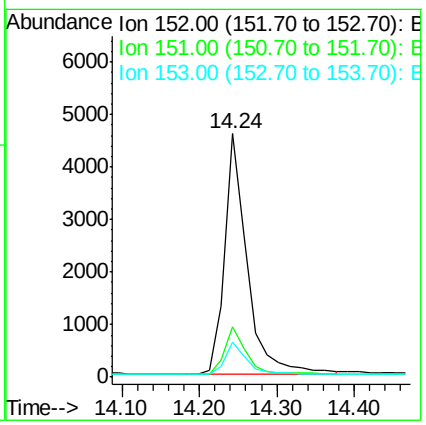


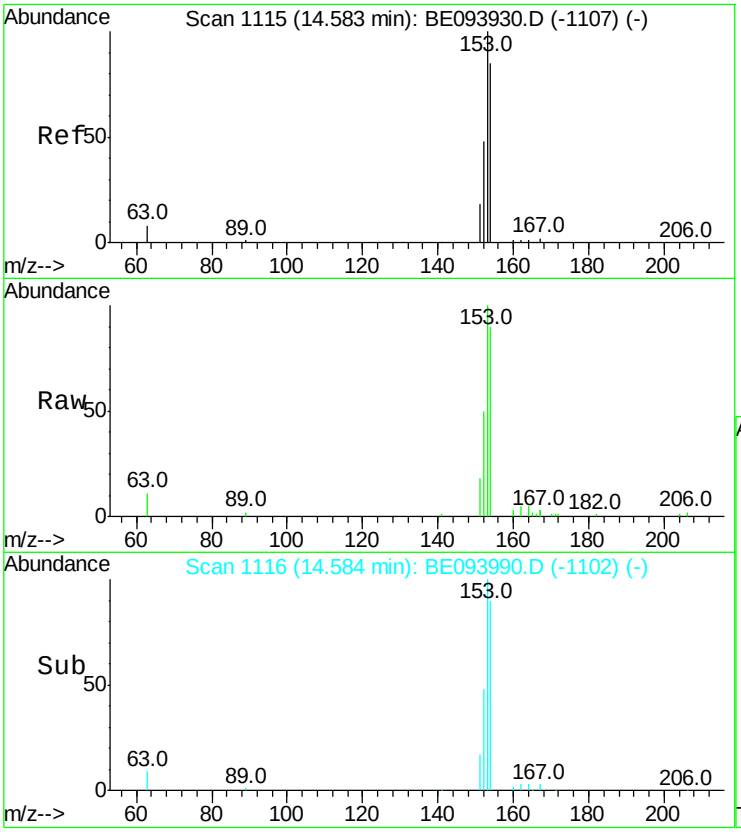


#16
Acenaphthylene
Concen: 0.440 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:152 Resp: 9210

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.3	10.6	16.0



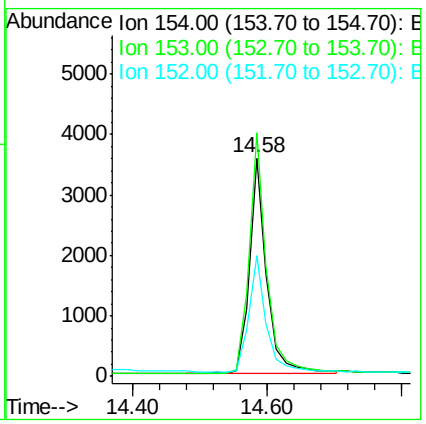


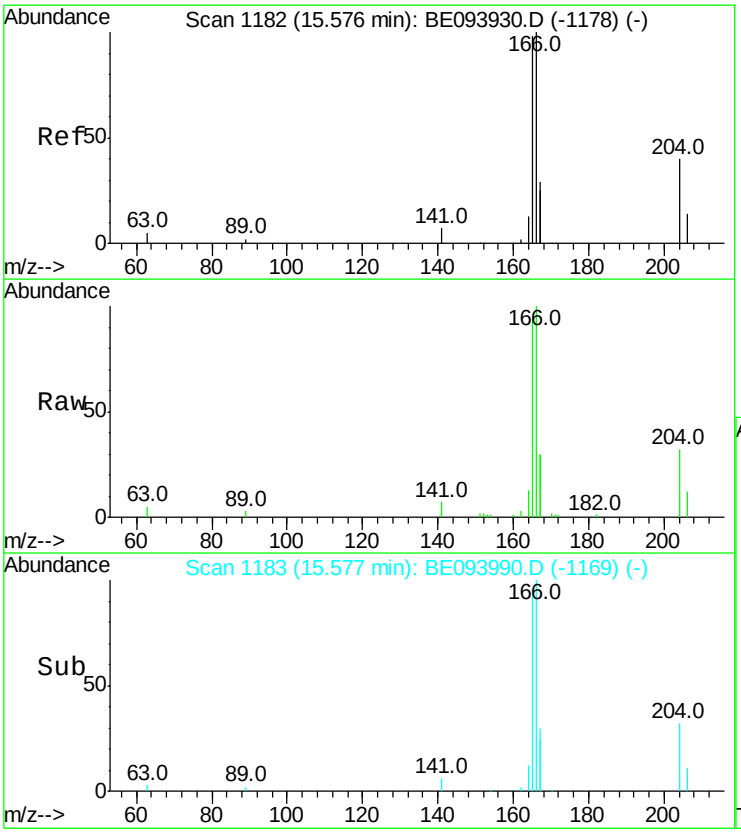
#17
Acenaphthene
Concen: 0.456 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:154 Resp: 6440

Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.8	137.6
152	54.2	44.9	67.3

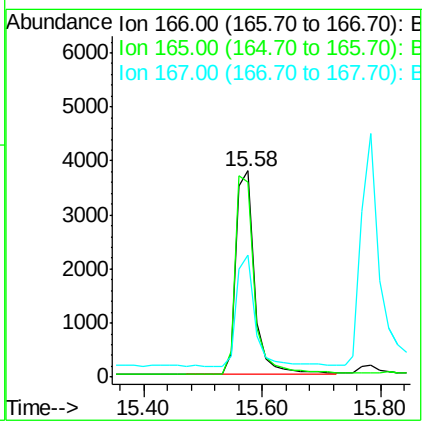


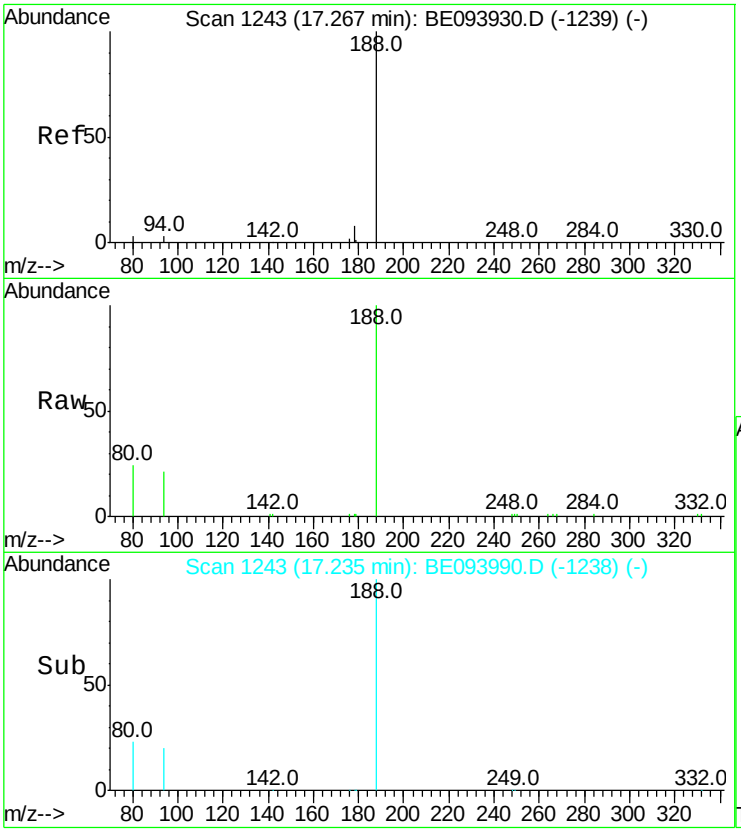


#18
Fluorene
Concen: 0.461 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:166 Resp: 8411

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.4	119.0
167	53.6	43.5	65.3



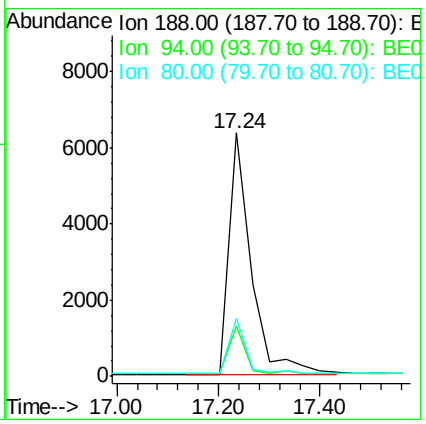


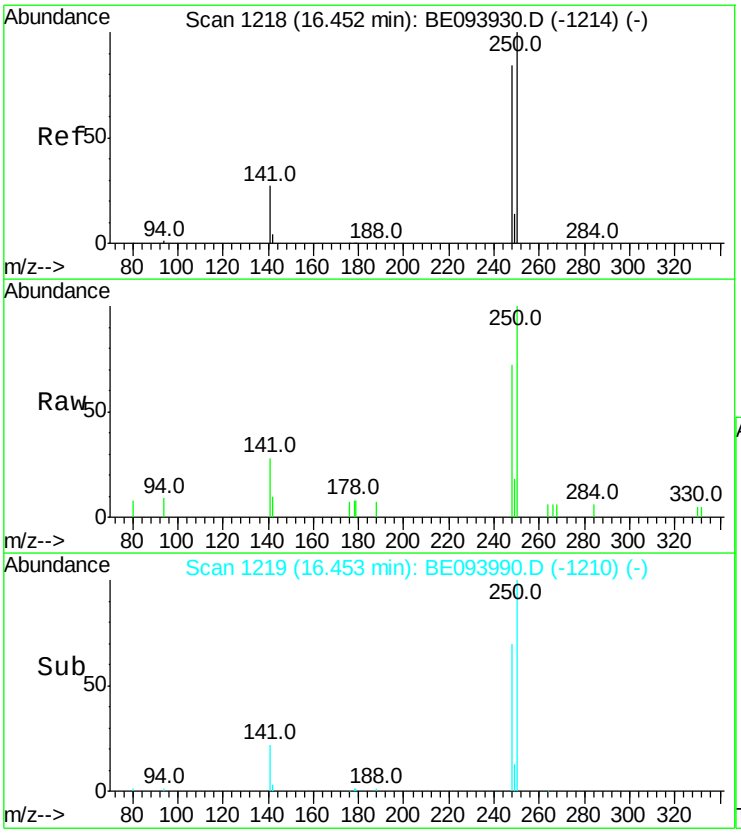
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:188 Resp: 19176

Ion	Ratio	Lower	Upper
188	100		
94	20.8	16.1	24.1
80	23.7	18.2	27.2

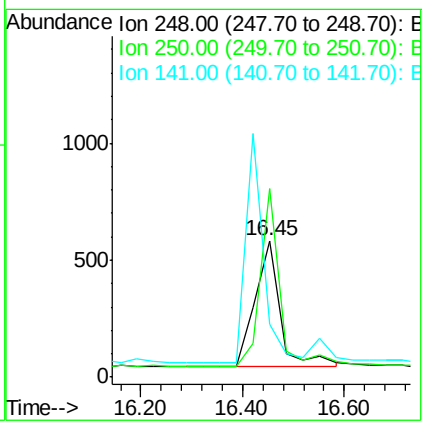


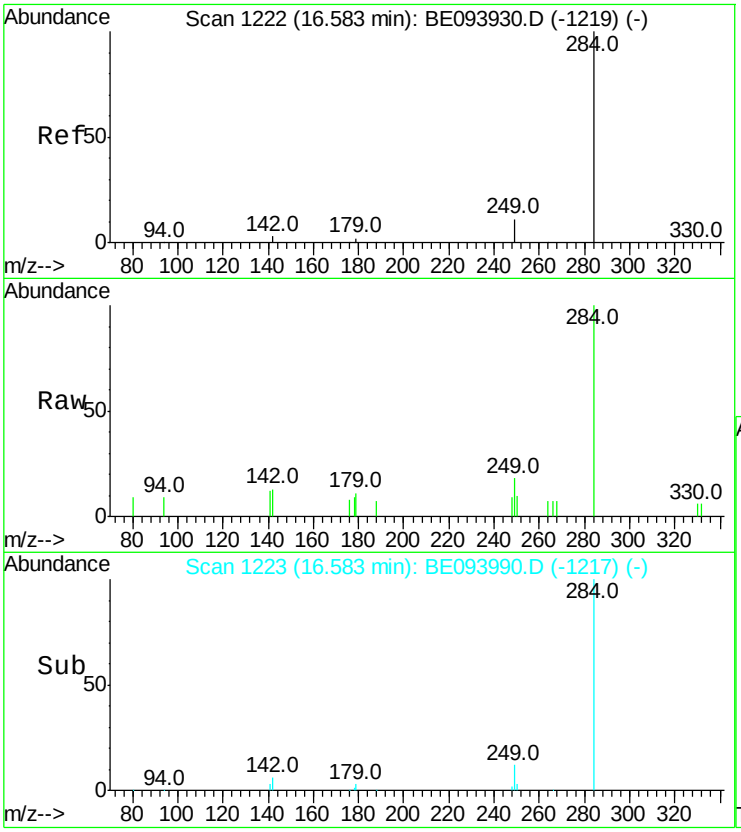


#20
4-Bromophenyl-phenylether
Concen: 0.211 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:248 Resp: 1821

Ion	Ratio	Lower	Upper
248	100		
250	138.7	111.8	167.8
141	38.8	27.1	40.7



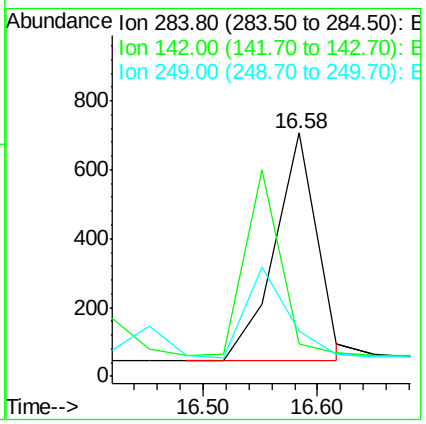


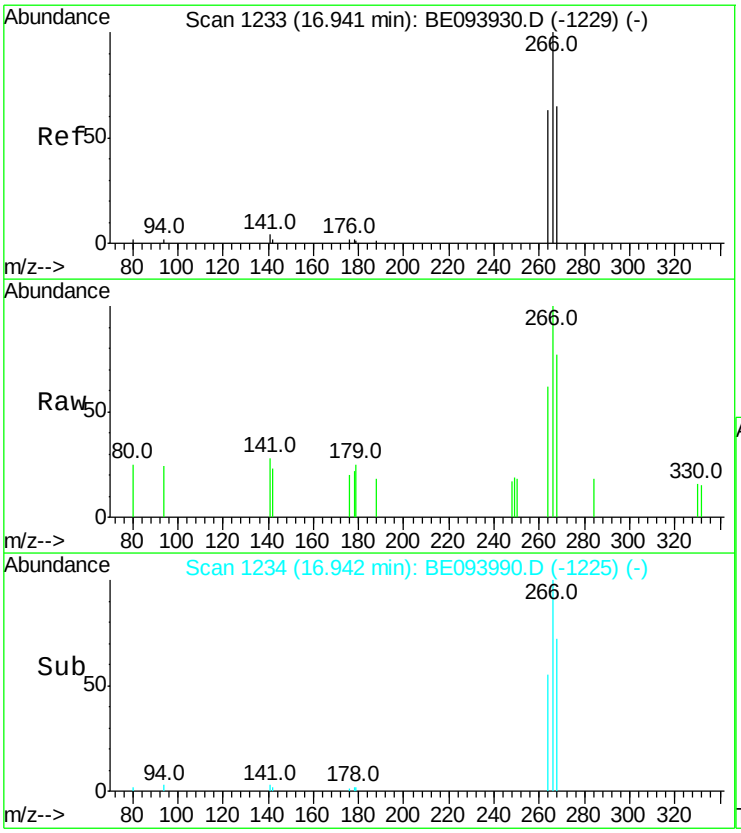
#21
Hexachlorobenzene
Concen: 0.301 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:284 Resp: 1703

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

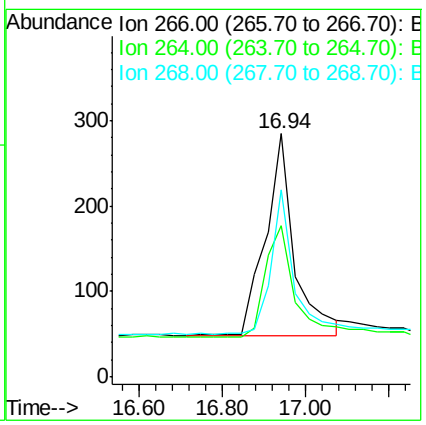


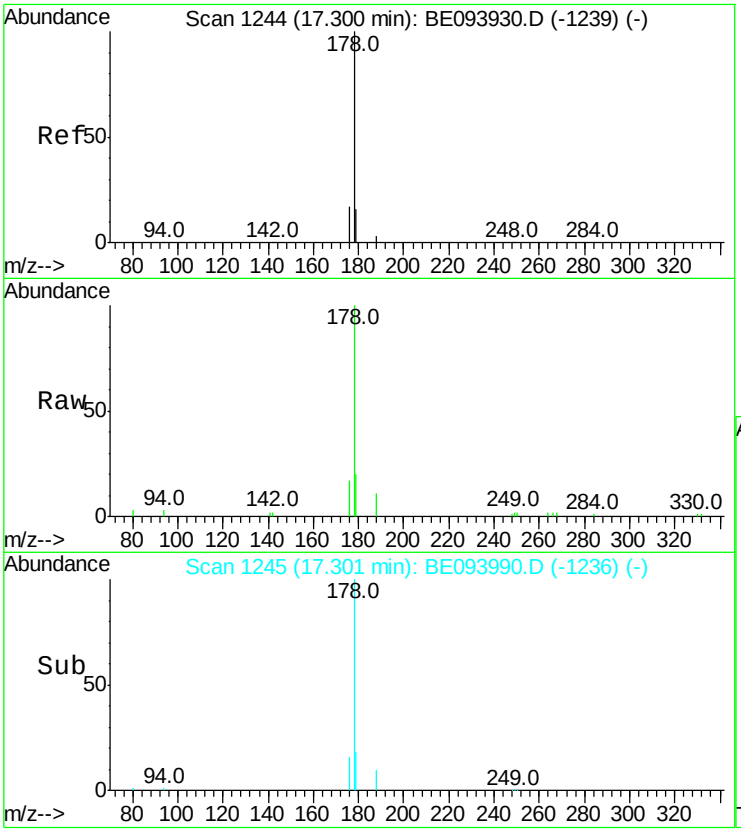


#22
Pentachlorophenol
Concen: 0.751 ng
RT: 16.94 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:266 Resp: 1142

Ion	Ratio	Lower	Upper
266	100		
264	62.1	53.5	80.3
268	76.8	60.0	90.0



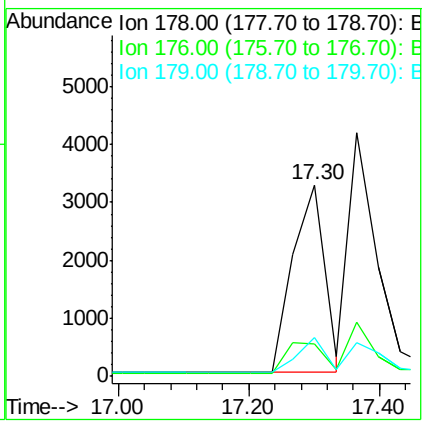


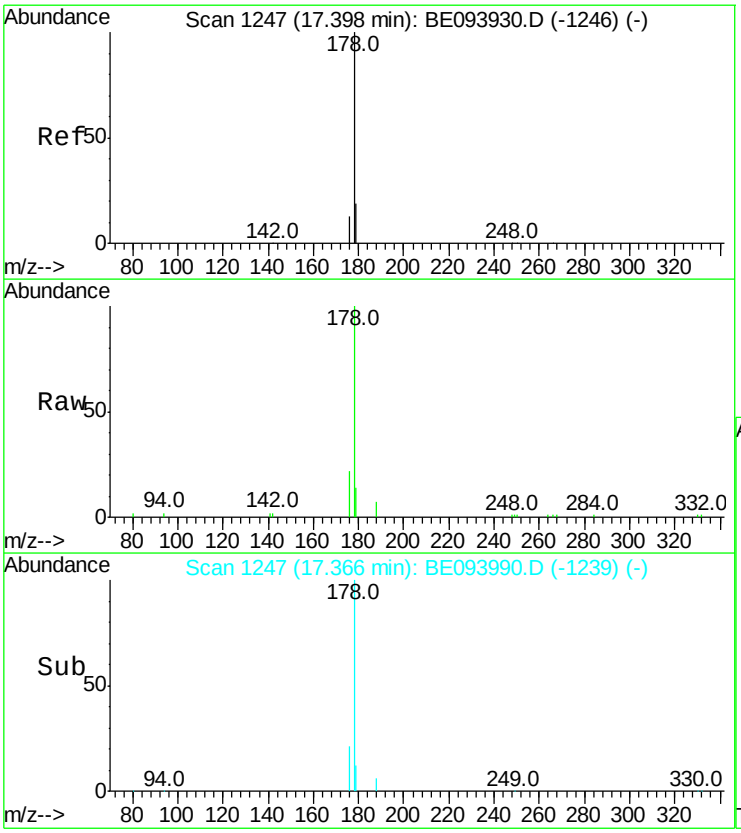
#23
Phenanthrene
Concen: 0.117 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:178 Resp: 10882

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	0.0
179	16.0	12.6	18.8

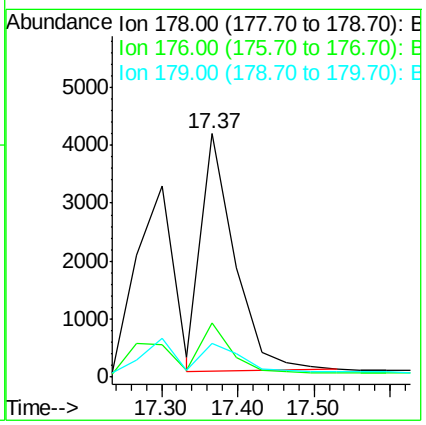


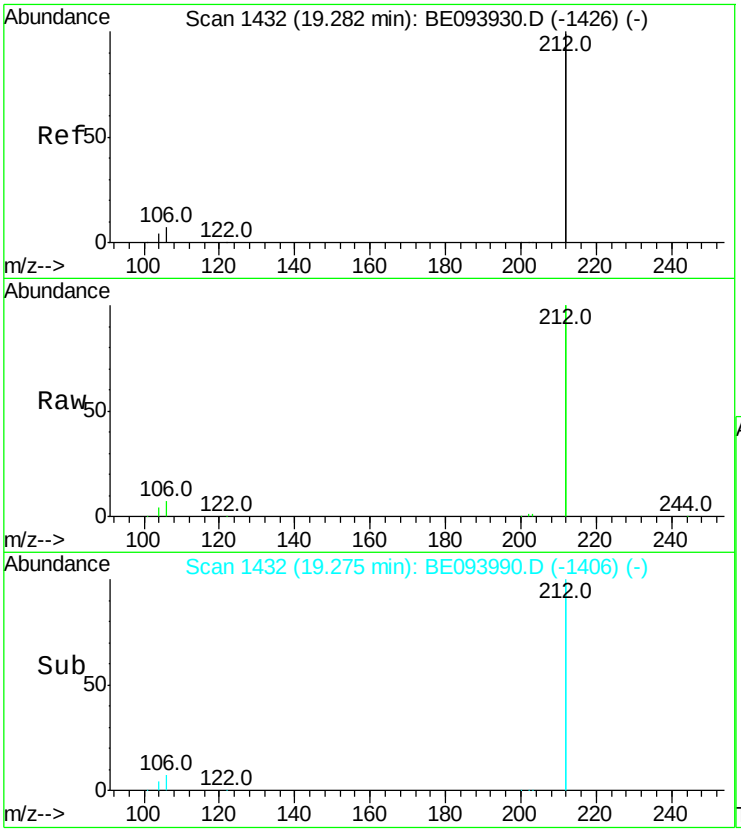


#24
Anthracene
Concen: 0.425 ng
RT: 17.37 min Scan# 1247
Delta R.T. -0.03 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:178 Resp: 12397

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



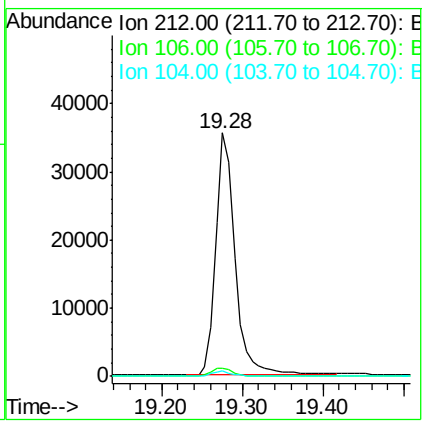


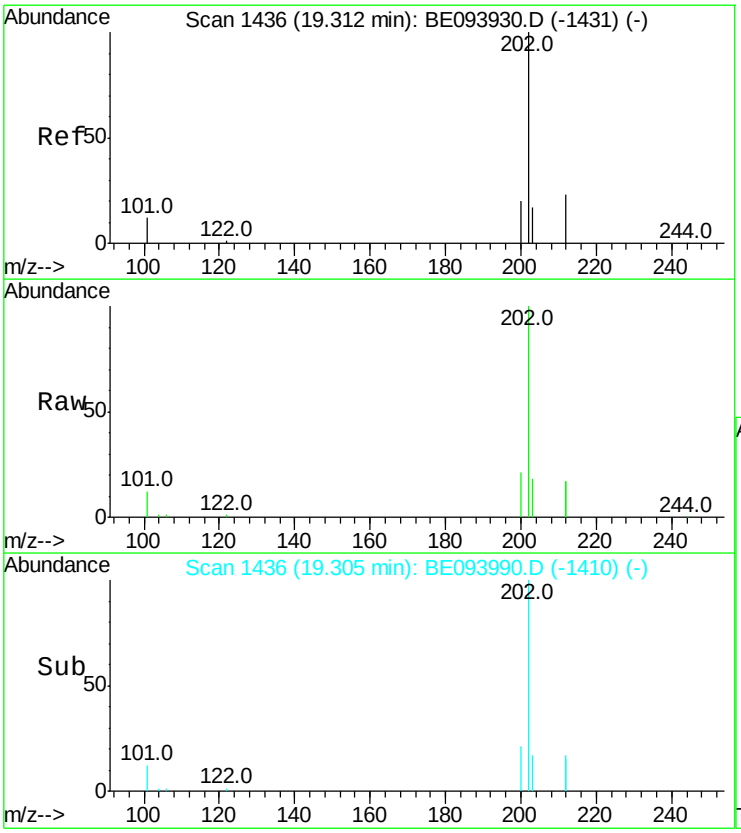
#25
Fluoranthene-d10
Concen: 0.414 ng
RT: 19.28 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:212 Resp: 59091

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

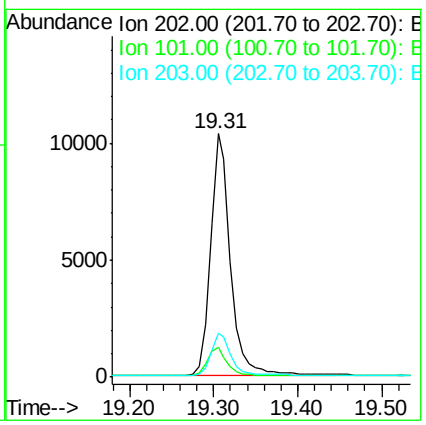


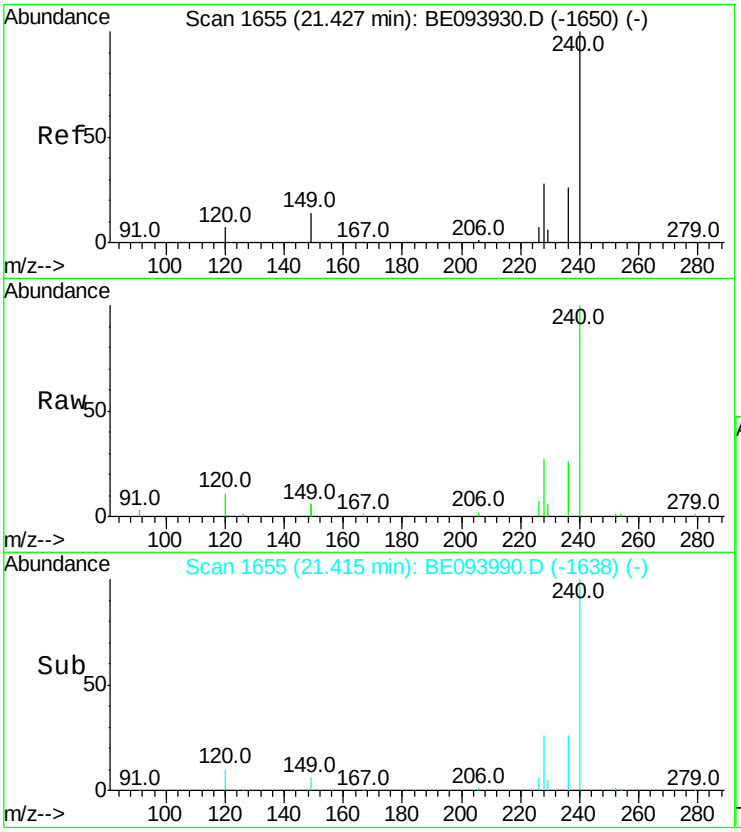


#26
Fluoranthene
Concen: 0.402 ng
RT: 19.31 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:202 Resp: 17173

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.7	14.5
203	17.3	13.7	20.5



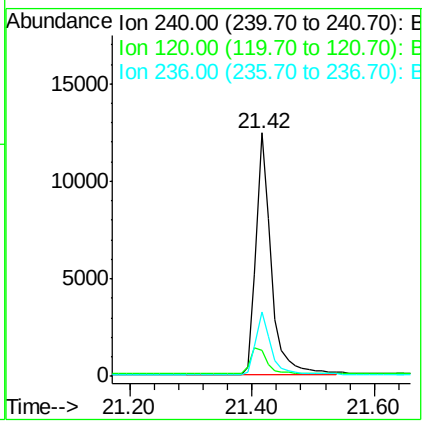


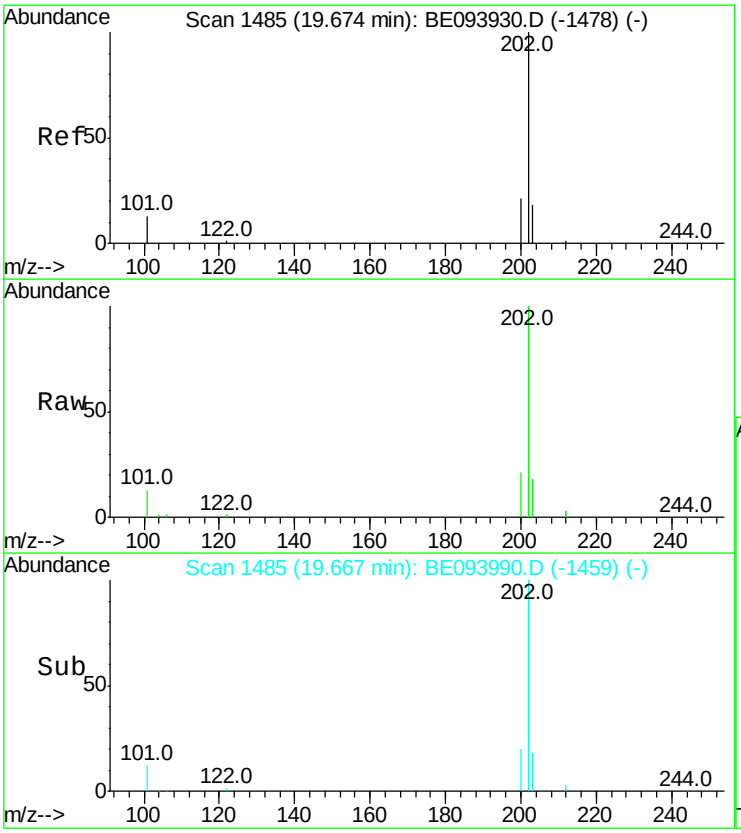
#27
Chrysene-d12
Concen: 0.800 ng
RT: 21.42 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:240 Resp: 21702

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.7	13.1
236	26.4	21.3	31.9

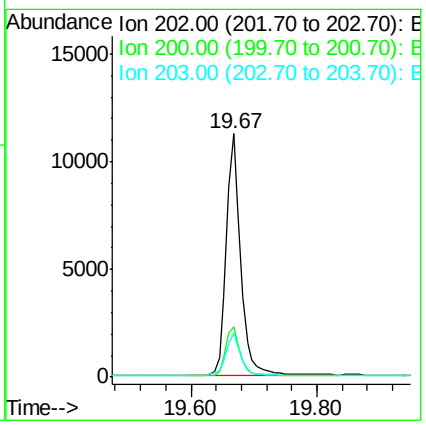


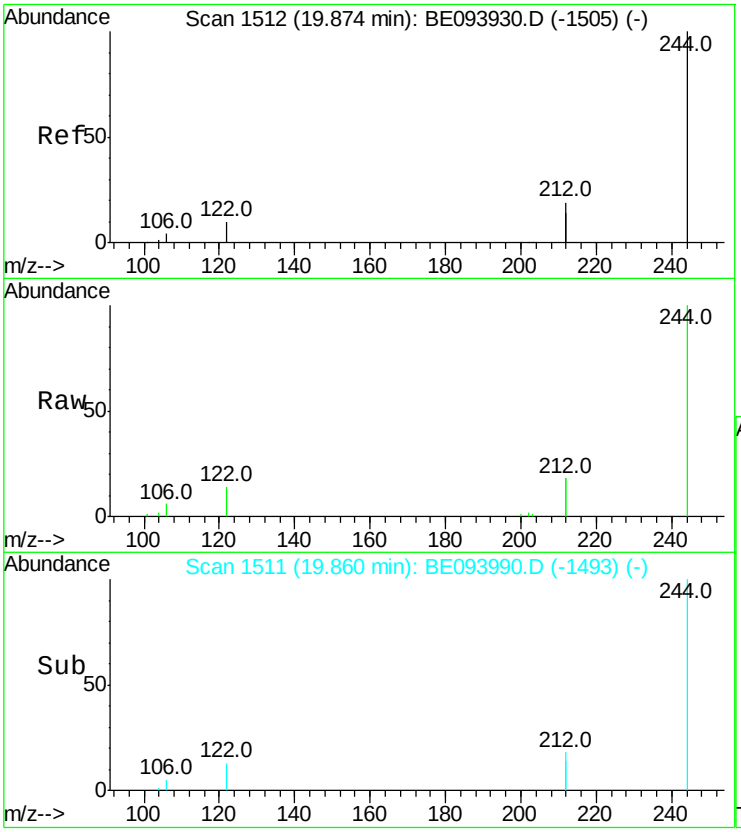


#28
Pyrene
Concen: 0.476 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:202 Resp: 17757

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.5	14.2	21.4



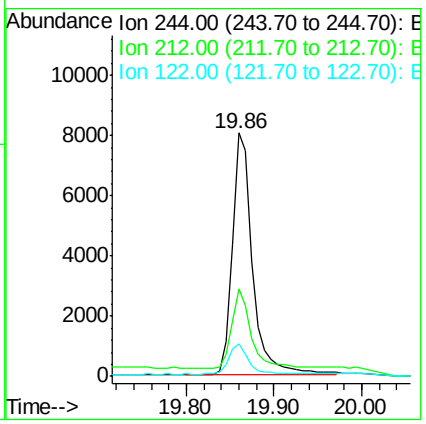


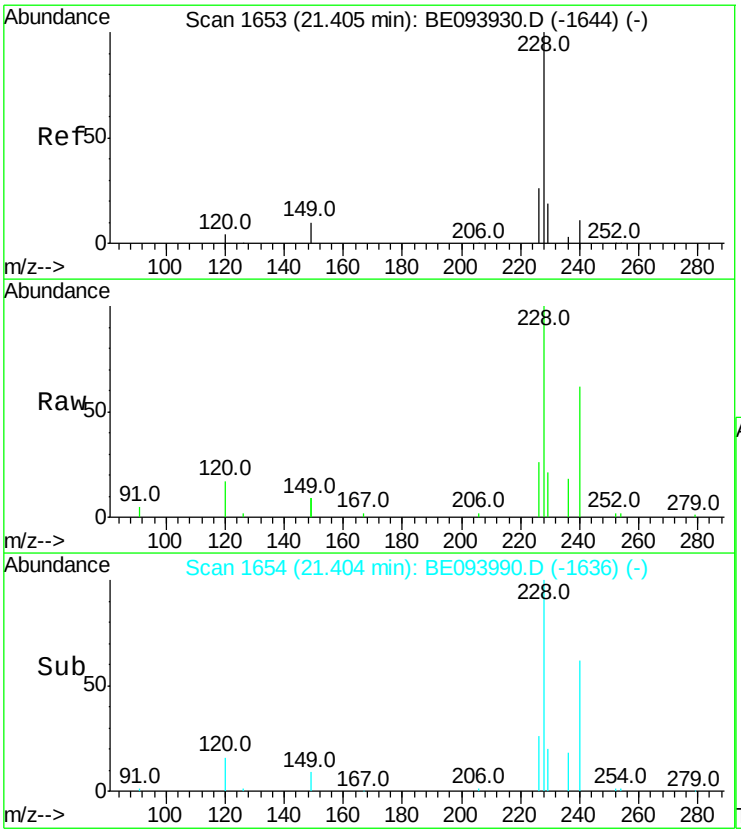
#29
Terphenyl-d14
Concen: 0.650 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:244 Resp: 12973

Ion	Ratio	Lower	Upper
244	100		
212	36.0	28.3	42.5
122	13.5	9.4	14.0

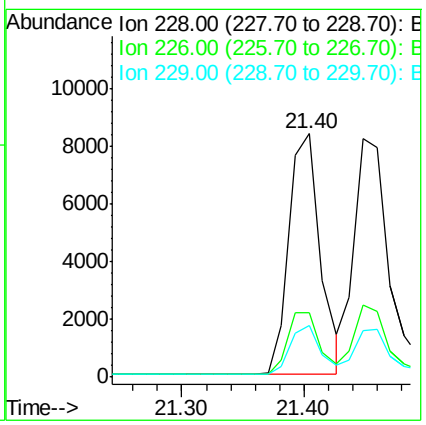


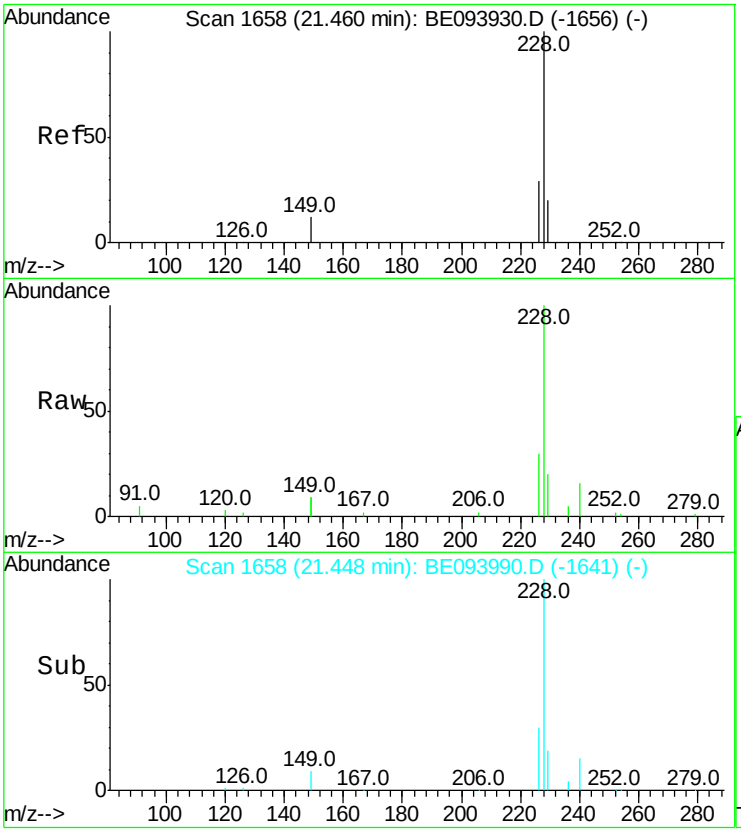


#30
Benzo(a)anthracene
Concen: 0.449 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:228 Resp: 14969

Ion	Ratio	Lower	Upper
228	100		
226	26.4	20.8	31.2
229	21.3	16.6	25.0



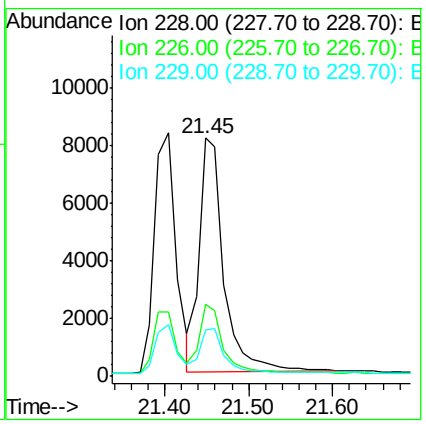


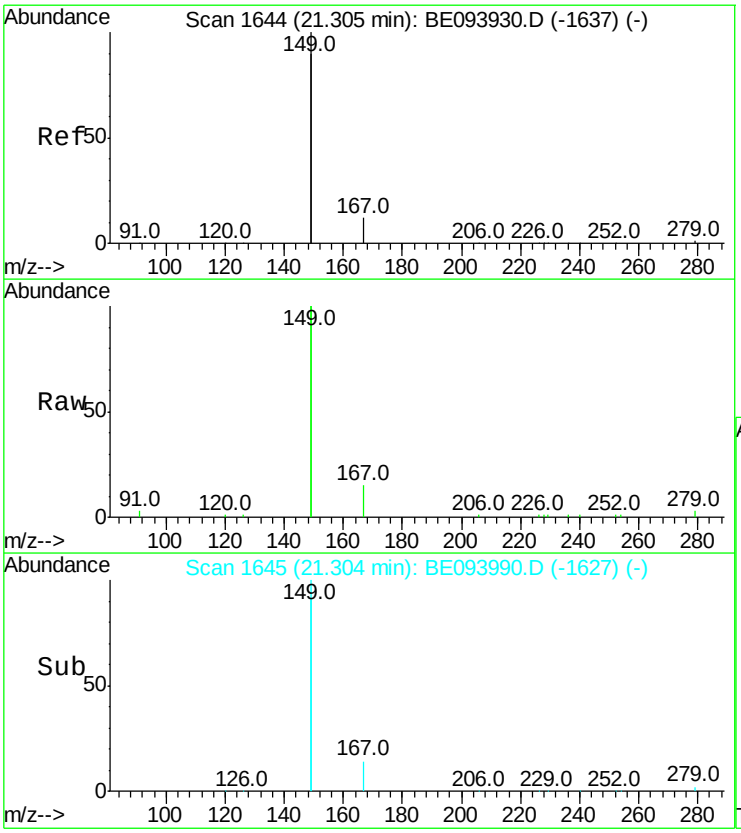
#31
Chrysene
Concen: 0.474 ng
RT: 21.45 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:228 Resp: 16719

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	19.6	15.8	23.8

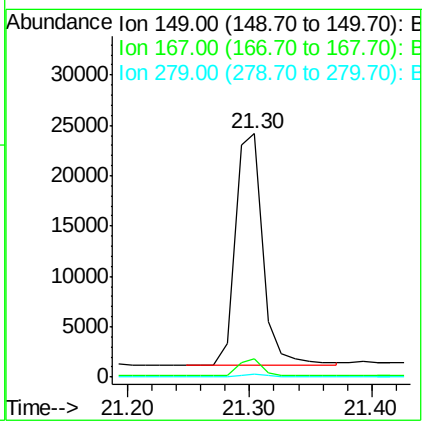


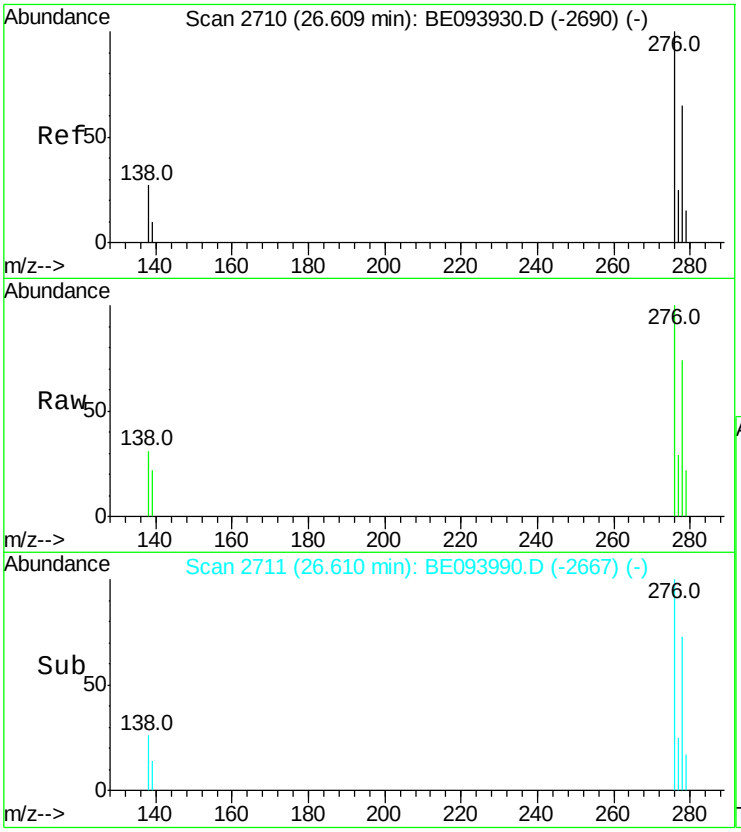


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.443 ng
RT: 21.30 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:149 Resp: 35830

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.9	0.7	1.1



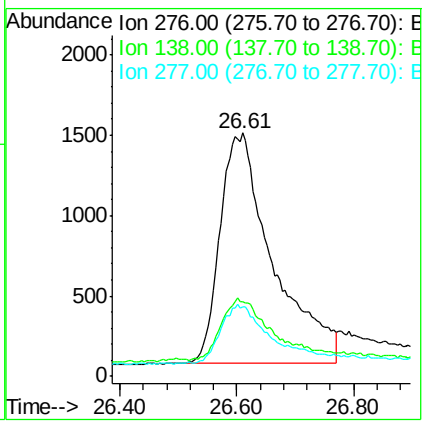


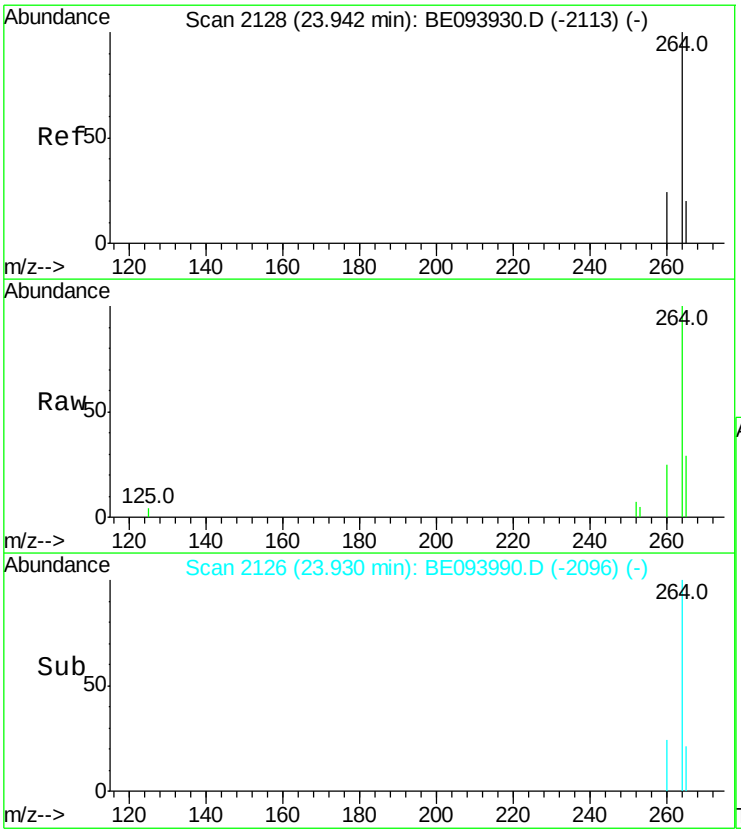
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng
RT: 26.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:276 Resp: 8969

Ion	Ratio	Lower	Upper
276	100		
138	26.4	22.2	33.2
277	24.8	19.5	29.3

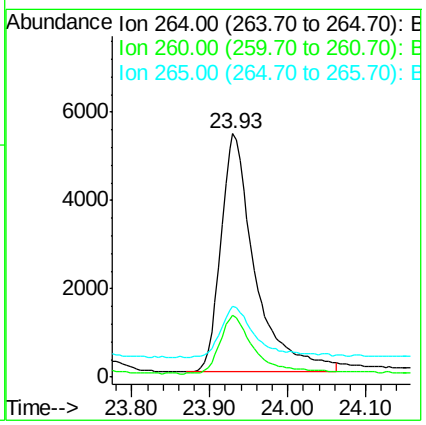


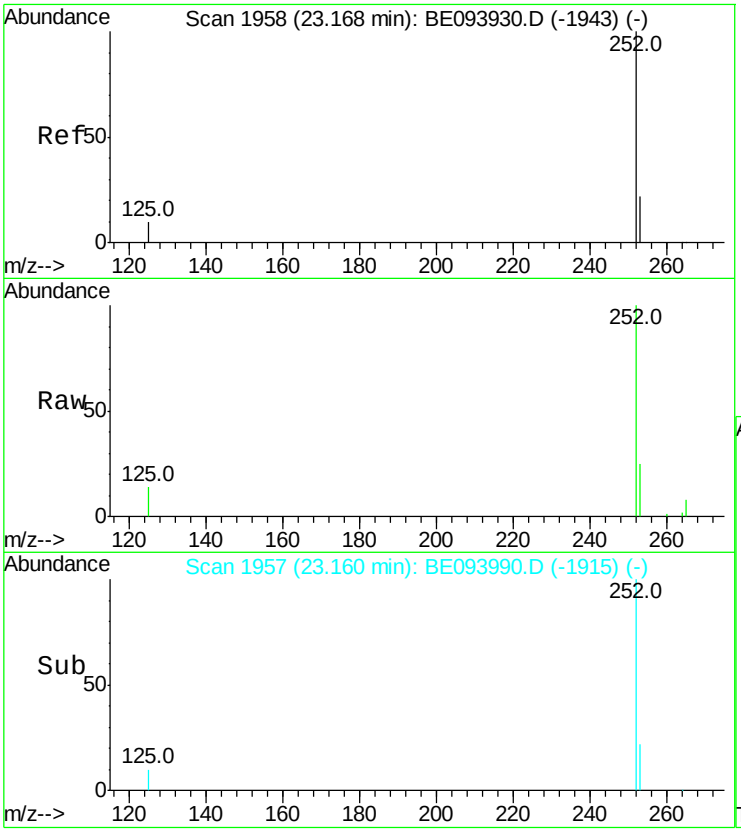


#34
Perylene-d12
Concen: 0.800 ng
RT: 23.93 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:264 Resp: 16474

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.0	30.0
265	29.1	24.0	36.0



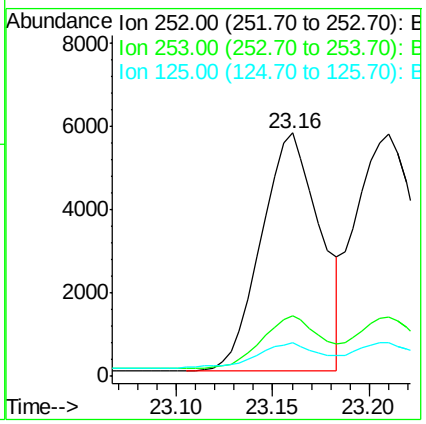


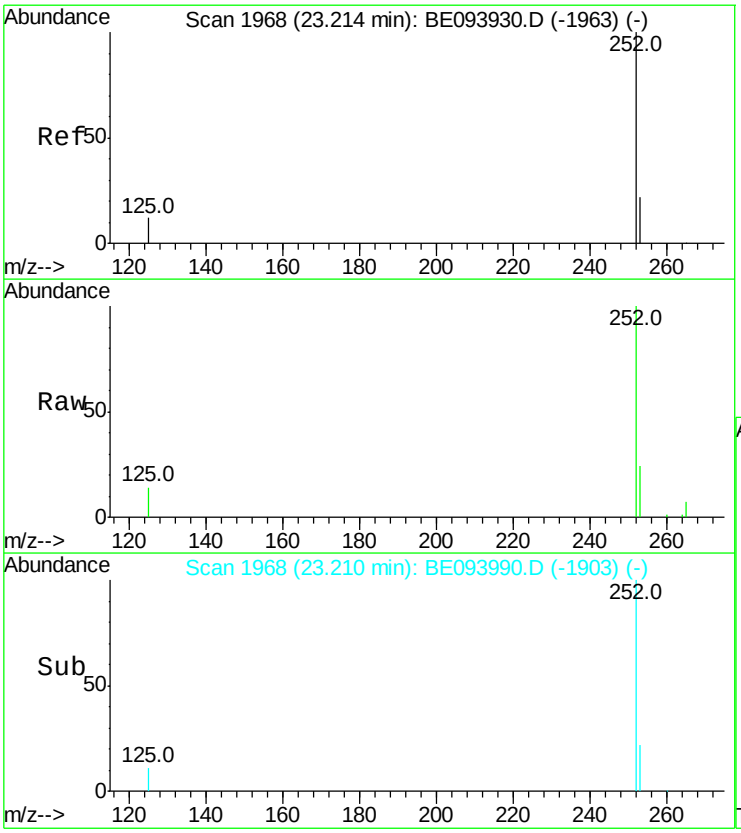
#35
Benzo(b)fluoranthene
Concen: 0.462 ng
RT: 23.16 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:252 Resp: 12120

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.4	29.0
125	13.7	10.0	15.0

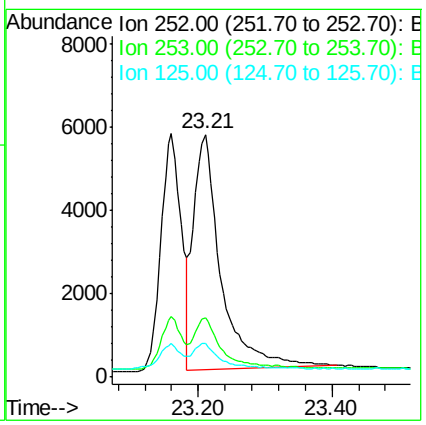


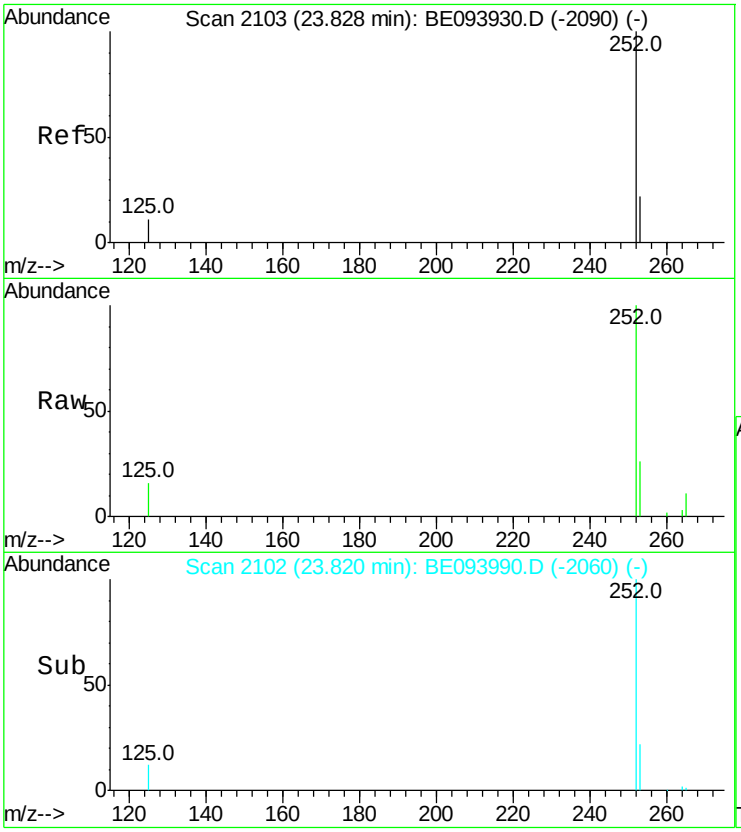


#36
Benzo(k)fluoranthene
Concen: 0.498 ng
RT: 23.21 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:252 Resp: 16020

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	13.7	9.8	14.6



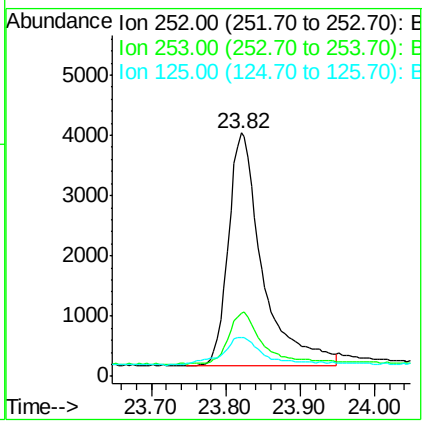


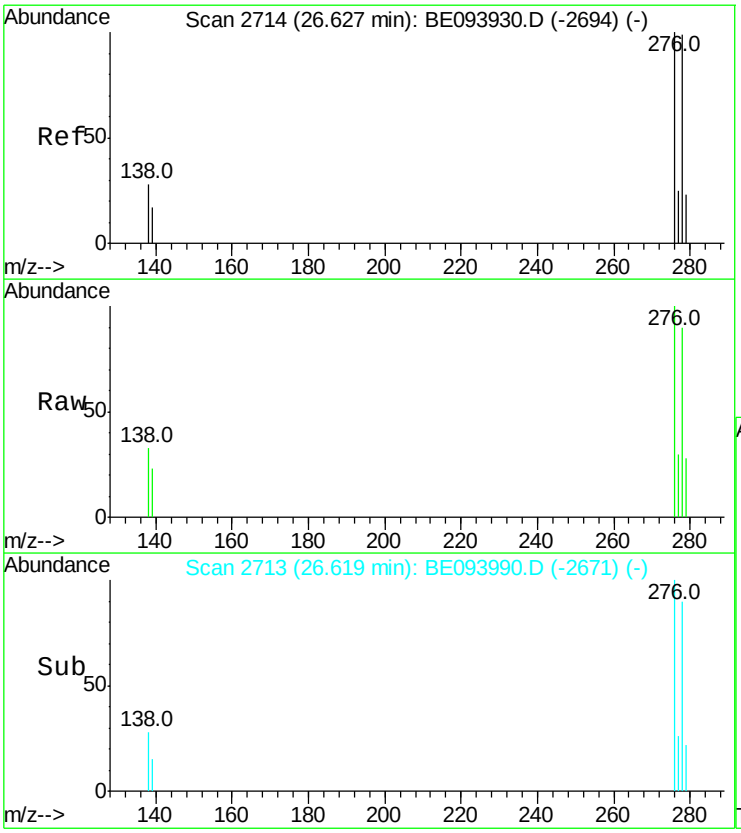
#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.82 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:252 Resp: 12267

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.6	29.4
125	16.2	11.8	17.8

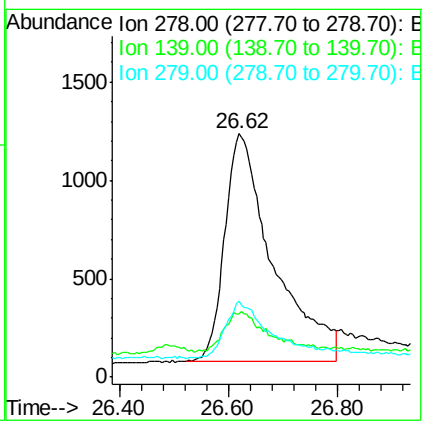


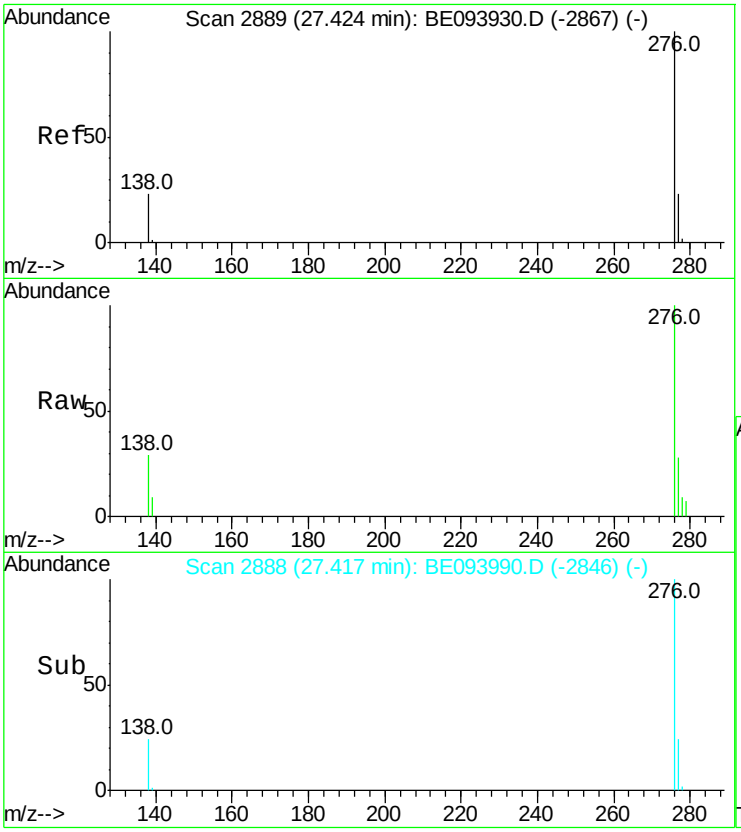


#38
Dibenzo(a,h)anthracene
Concen: 0.401 ng
RT: 26.62 min Scan# 2713
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:278 Resp: 7109

Ion	Ratio	Lower	Upper
278	100		
139	25.8	16.7	25.1#
279	31.4	21.6	32.4





#39
Benzo(g,h,i)perylene
Concen: 0.438 ng
RT: 27.42 min Scan# 2888
Delta R.T. -0.01 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

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

Tgt Ion:276 Resp: 8191

Ion	Ratio	Lower	Upper
276	100		
277	27.8	20.6	30.8
138	28.6	21.9	32.9