Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
Data File : BE099193.D
Acq On : 25 Mar 2019 23:22
Operator : JU/SJ
Sample : K2020-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : KY038PS036-190318

Quant Time: Mar 26 07:10:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 07:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3188	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14406	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	10906	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	31310	0.40	ng	0.00
27) Chrysene-d12	21.38	240	34510	0.40	ng	-0.01
34) Perylene-d12	23.90	264	32871	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1602	0.17	ng	0.00
5) Phenol-d6	6.99	99	1404	0.10	ng	0.00
8) Nitrobenzene-d5	8.99	82	4274	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	10398	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1551	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	17496	0.39	ng	0.00
25) Fluoranthene-d10	19.24	212	149332	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	29104	0.39	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	372	0.088	ng	# 30
3) n-Nitrosodimethylamine	3.67	42	120	0.051	ng	# 15
6) bis(2-Chloroethyl)ether	7.26	93	15	0.001	ng	# 5
9) Naphthalene	10.67	128	525	0.003	ng	# 67
10) Hexachlorobutadiene	10.94	225	5	0.001	ng	# 19
12) 2-Methylnaphthalene	12.30	142	42	0.001	ng	# 73
16) Acenaphthylene	14.20	152	23	0.000	ng	# 1
17) Acenaphthene	14.54	154	3	0.000	ng	# 1
18) Fluorene	15.51	166	35	0.001	ng	# 24
20) 4-Bromophenyl-phenylether	16.44	248	10	0.000	ng	# 51
21) Hexachlorobenzene	16.48	284	19	0.001	ng	# 43
22) Pentachlorophenol	16.91	266	27	0.248	ng	84
23) Phenanthrene	17.26	178	143	0.002	ng	# 72
24) Anthracene	17.35	178	92	0.001	ng	# 88
26) Fluoranthene	19.27	202	96	0.001	ng	# 85
28) Pyrene	19.63	202	100	0.001	ng	# 73
30) Benzo(a)anthracene	21.37	228	262	0.002	ng	# 32
31) Chrysene	21.43	228	198	0.002	ng	# 39
32) Bis(2-ethylhexyl)phthalate	21.29	149	4231	0.031	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	9	0.000	ng	# 1
35) Benzo(b)fluoranthene	23.13	252	198	0.002	ng	# 1
36) Benzo(k)fluoranthene	23.17	252	104	0.001	ng	# 1
37) Benzo(a)pyrene	23.78	252	31	0.000	ng	# 1
38) Dibenzo(a,h)anthracene	26.58	278	20	0.000	ng	# 1
39) Benzo(g,h,i)perylene	27.35	276	2	0.000	ng	# 1

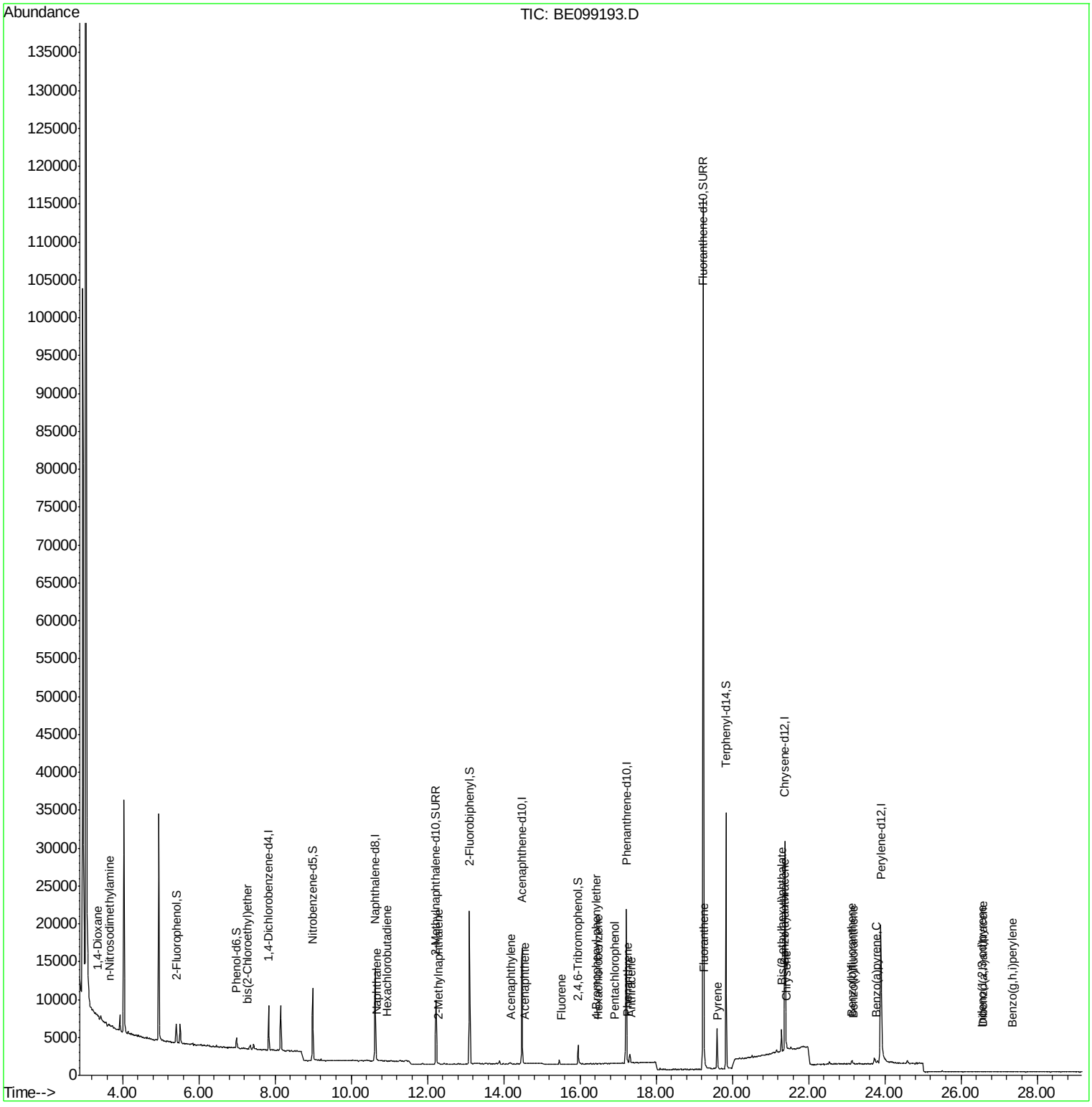
(#) = qualifier out of range (m) = manual integration (+) = signals summed

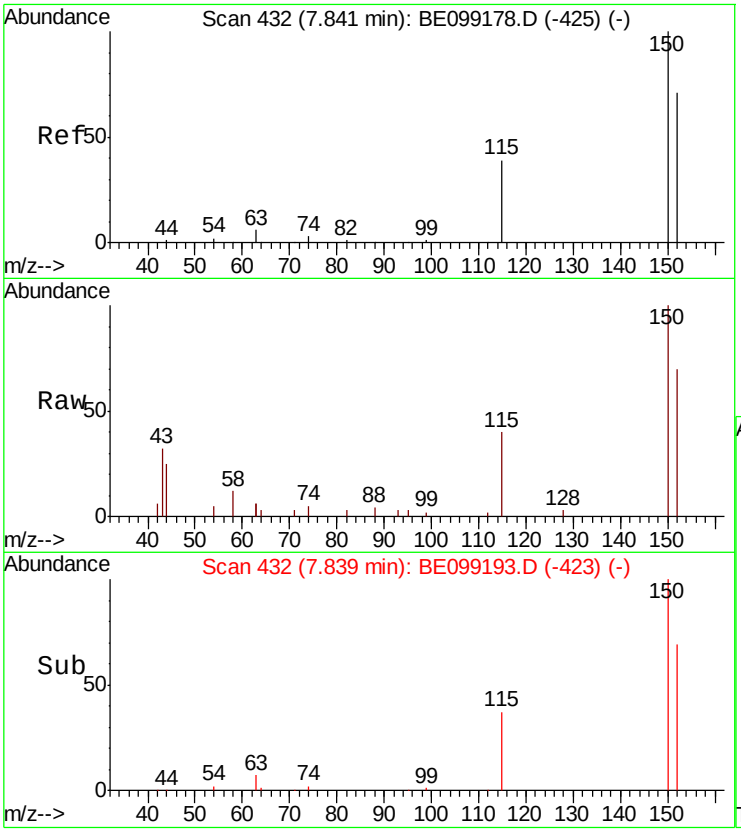
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
Data File : BE099193.D
Acq On : 25 Mar 2019 23:22
Operator : JU/SJ
Sample : K2020-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Quant Time: Mar 26 07:10:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 07:02:06 2019
Response via : Initial Calibration



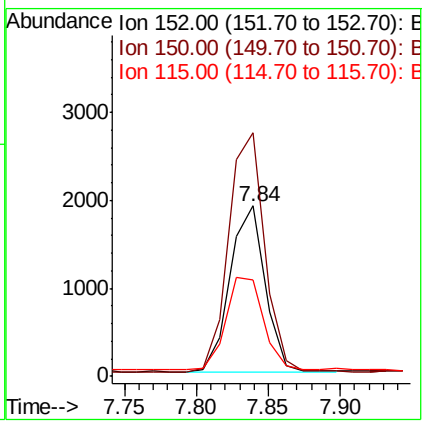


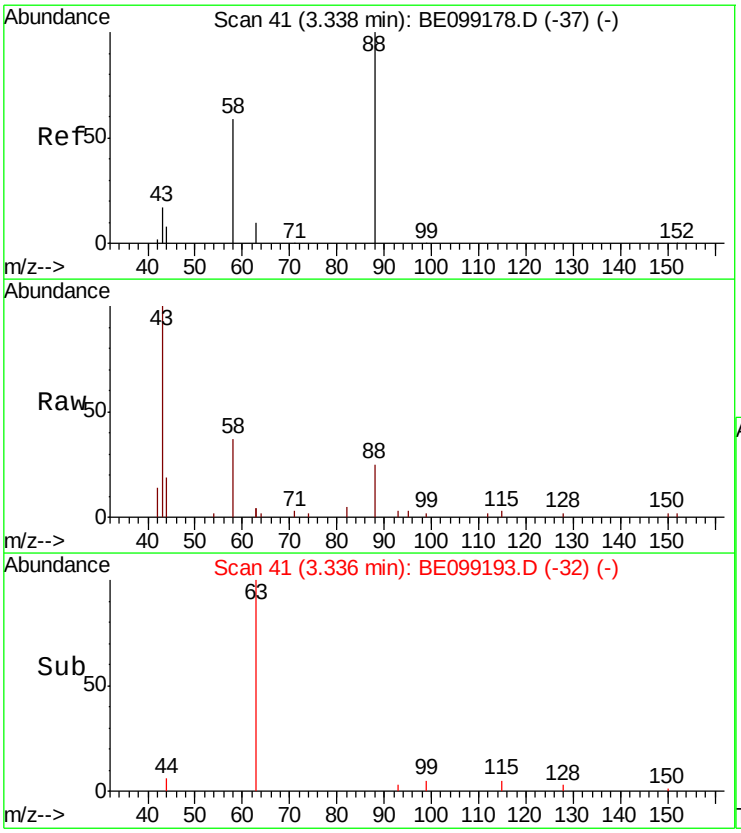
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:152 Resp: 3188

Ion	Ratio	Lower	Upper
152	100		
150	142.8	112.8	169.2
115	56.4	45.1	67.7

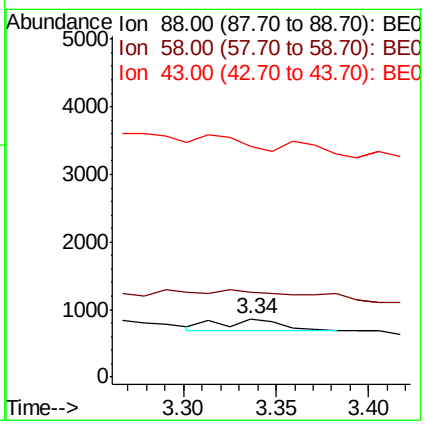


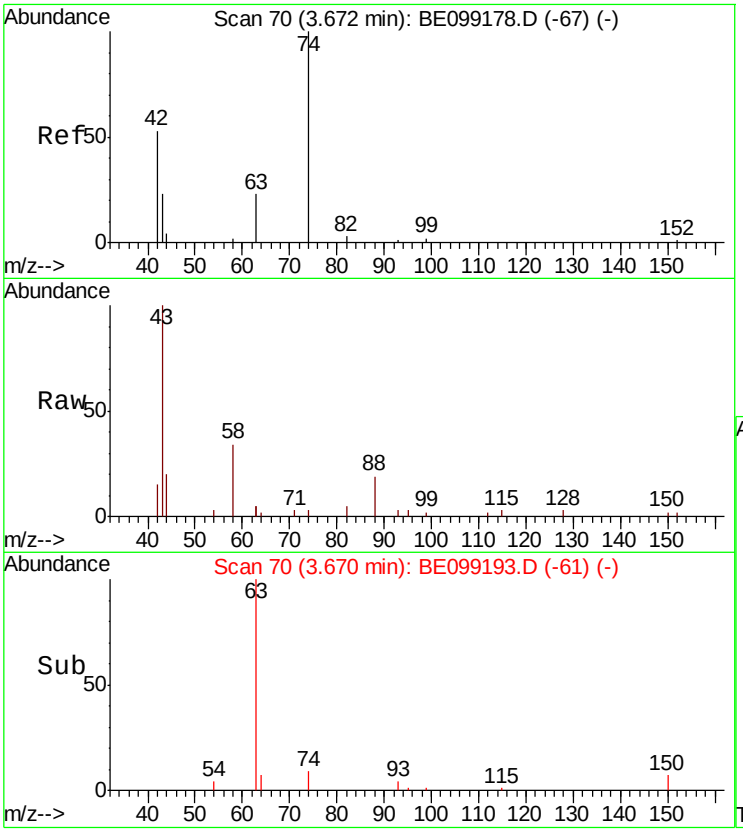


#2
1,4-Dioxane
Concen: 0.088 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion: 88 Resp: 372

Ion	Ratio	Lower	Upper
88	100		
58	0.0	47.4	71.0#
43	0.0	15.6	23.4#



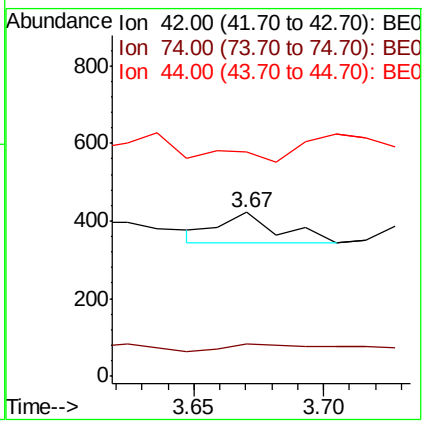


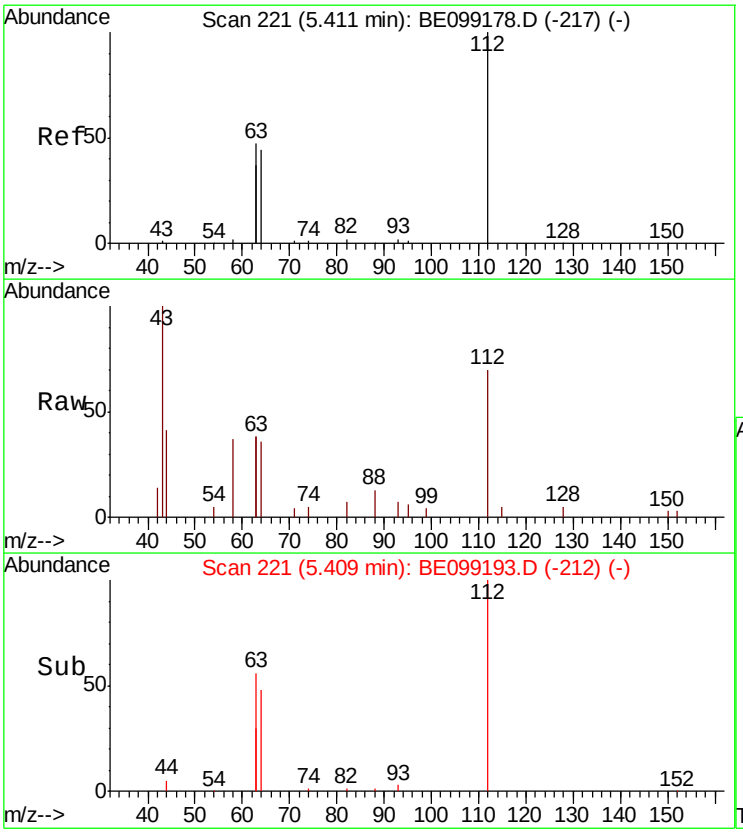
#3
n-Nitrosodimethylamine
Concen: 0.051 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion: 42 Resp: 120

Ion	Ratio	Lower	Upper
42	100		
74	48.3	138.6	207.8#
44	0.0	15.0	22.6#

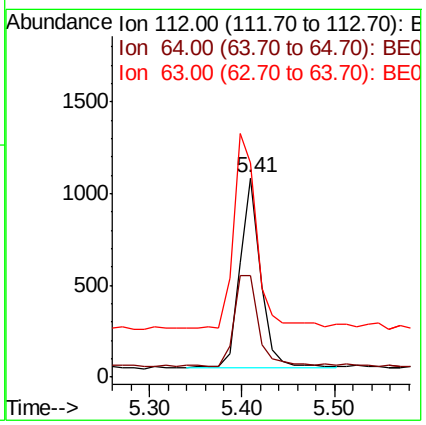


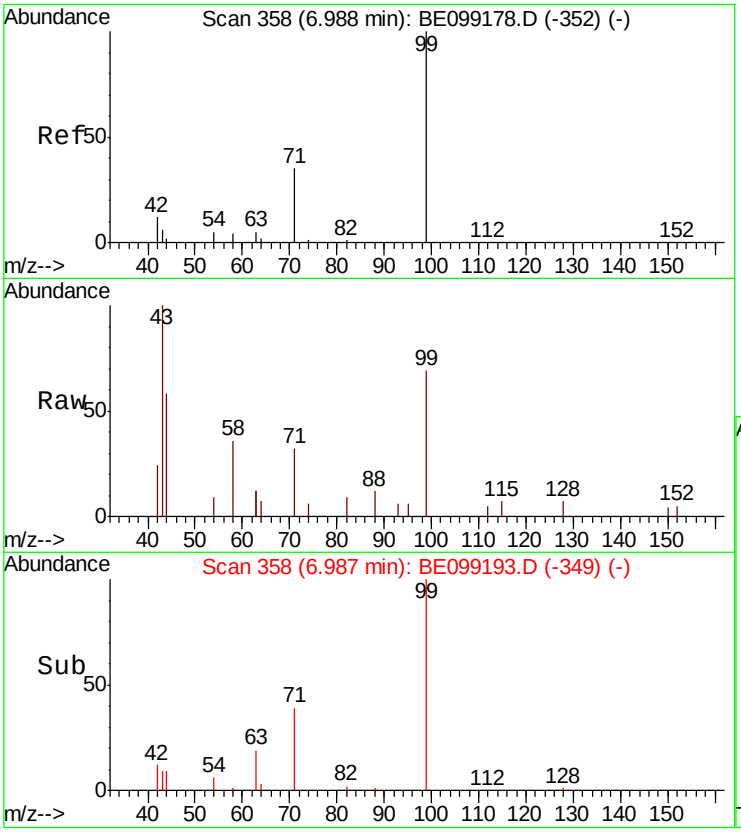


#4
2-Fluorophenol
Concen: 0.168 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:112 Resp: 1602

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.2	69.2
63	115.5	89.9	134.9



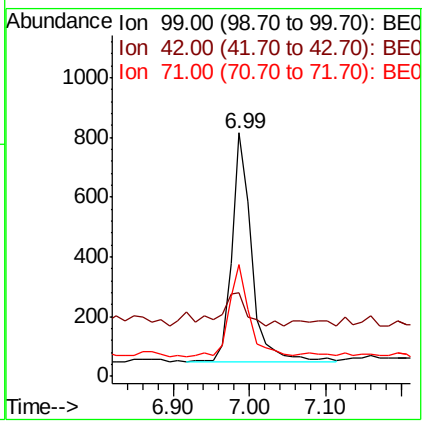


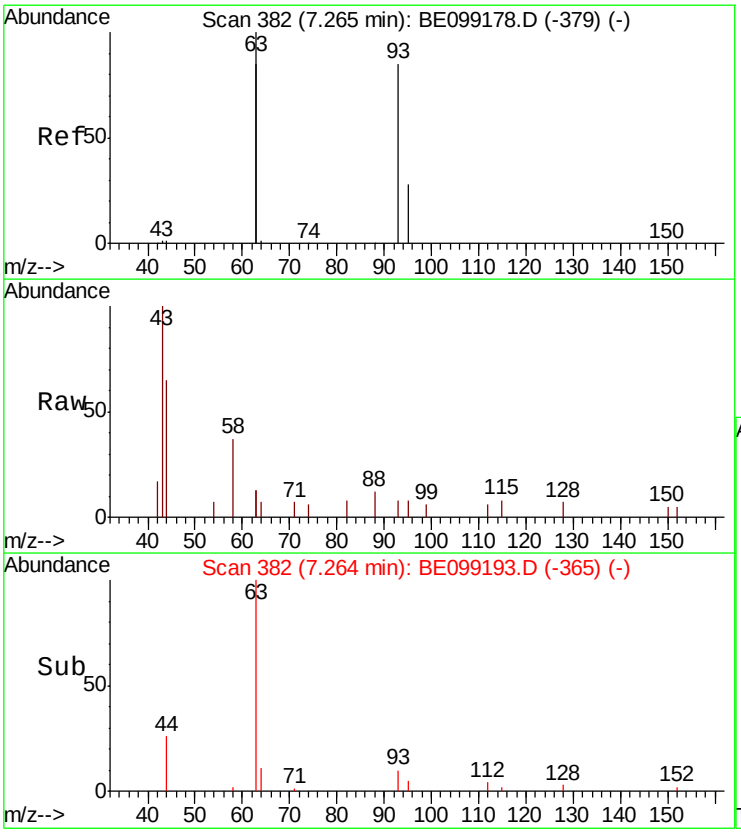
#5
Phenol-d6
Concen: 0.097 ng
RT: 6.99 min Scan# 358
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion: 99 Resp: 1404

Ion	Ratio	Lower	Upper
99	100		
42	16.5	12.4	18.6
71	41.2	28.4	42.6

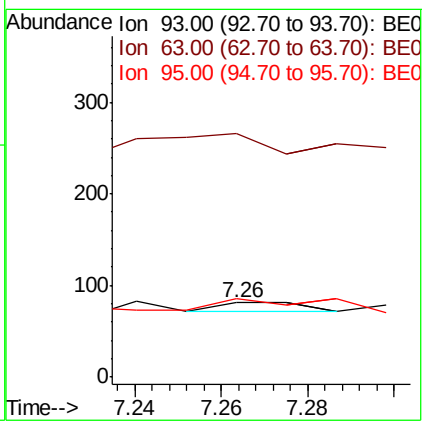


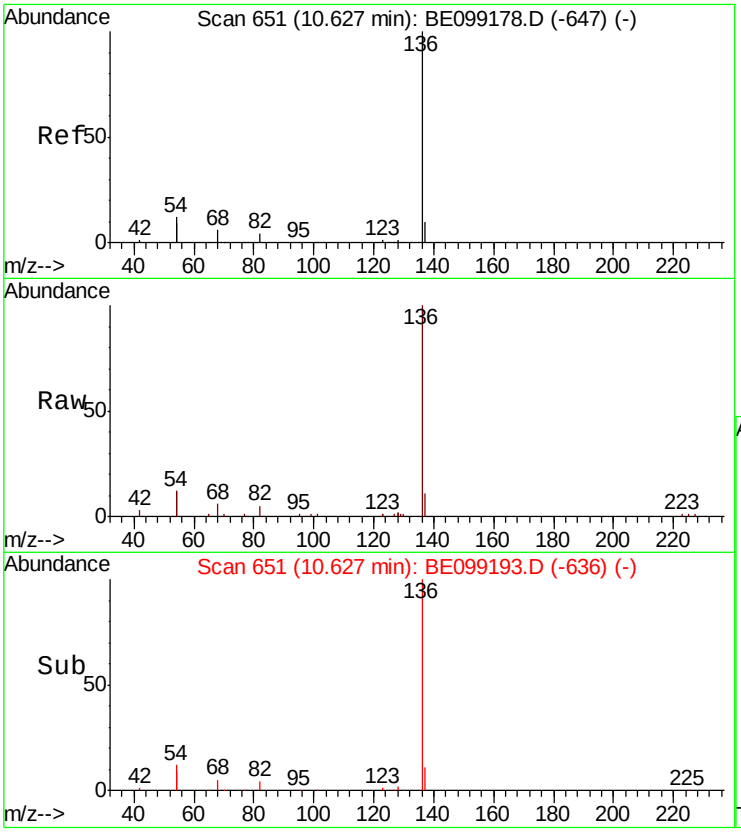


#6
bis(2-Chloroethyl)ether
Concen: 0.001 ng
RT: 7.26 min Scan# 382
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion: 93 Resp: 15

Ion	Ratio	Lower	Upper
93	100		
63	386.7	221.4	332.0#
95	260.0	25.8	38.8#



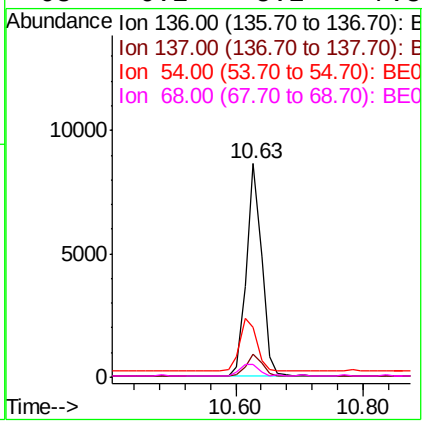


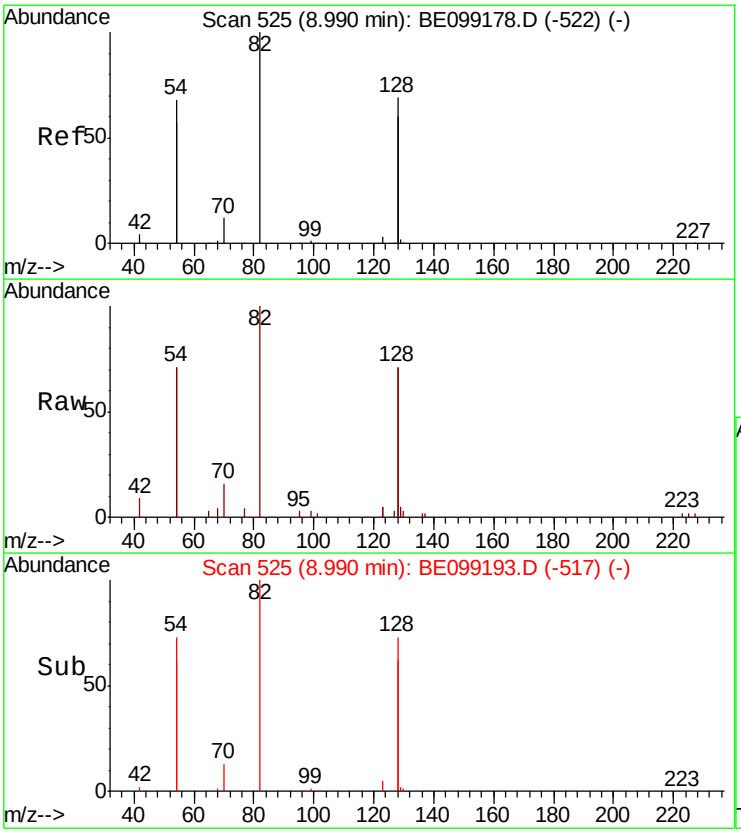
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:136 Resp: 14406

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	23.2	18.7	28.1
68	6.2	5.2	7.8

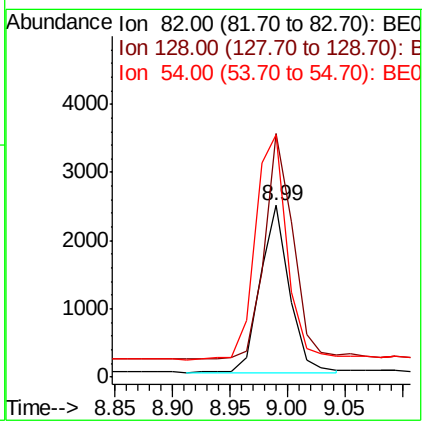


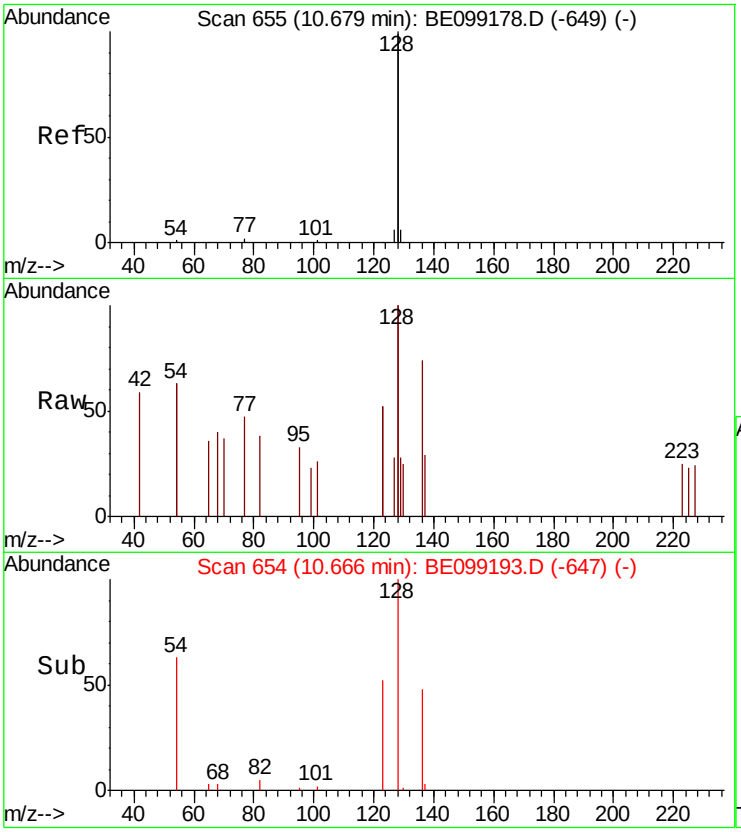


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion: 82 Resp: 4274

Ion	Ratio	Lower	Upper
82	100		
128	141.9	107.5	161.3
54	141.6	106.3	159.5



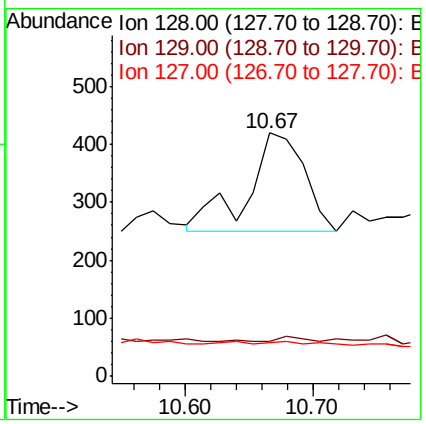


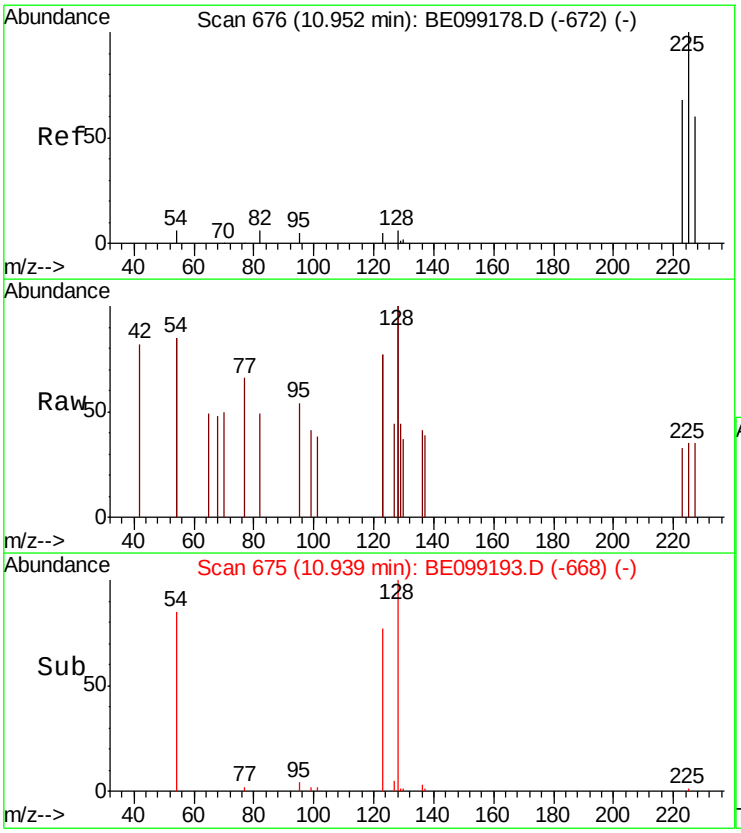
#9
Naphthalene
Concen: 0.003 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:128 Resp: 525

Ion	Ratio	Lower	Upper
128	100		
129	14.0	2.3	3.5#
127	13.8	2.6	3.8#

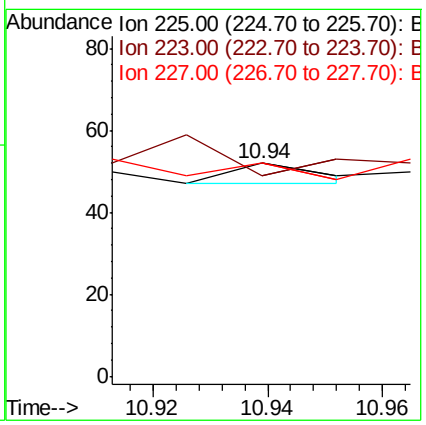


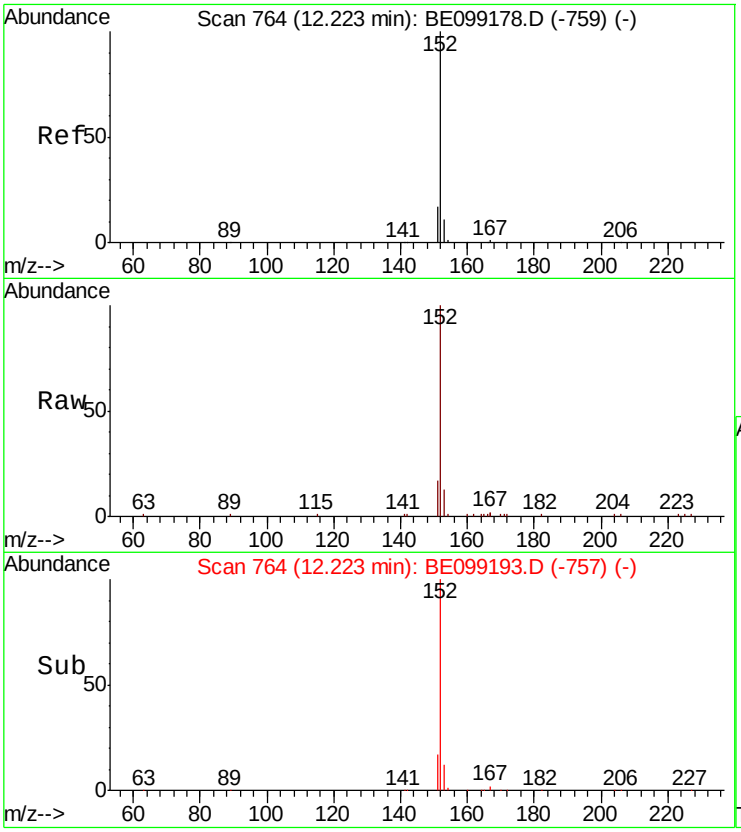


#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:225 Resp: 5

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	48.6	73.0#



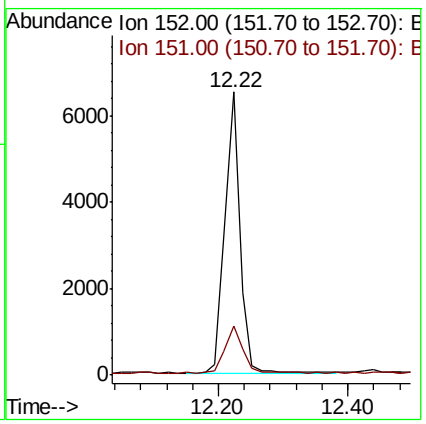


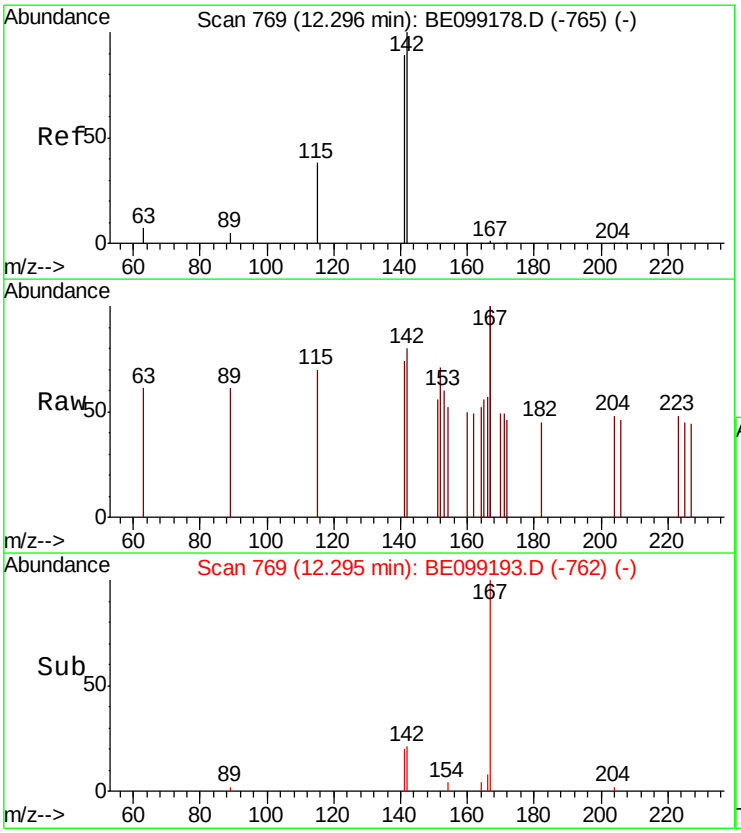
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:152 Resp: 10398

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.0	22.6

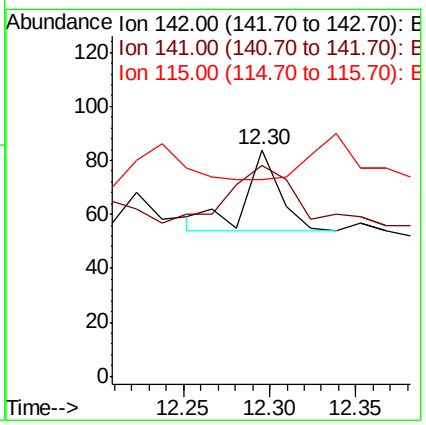


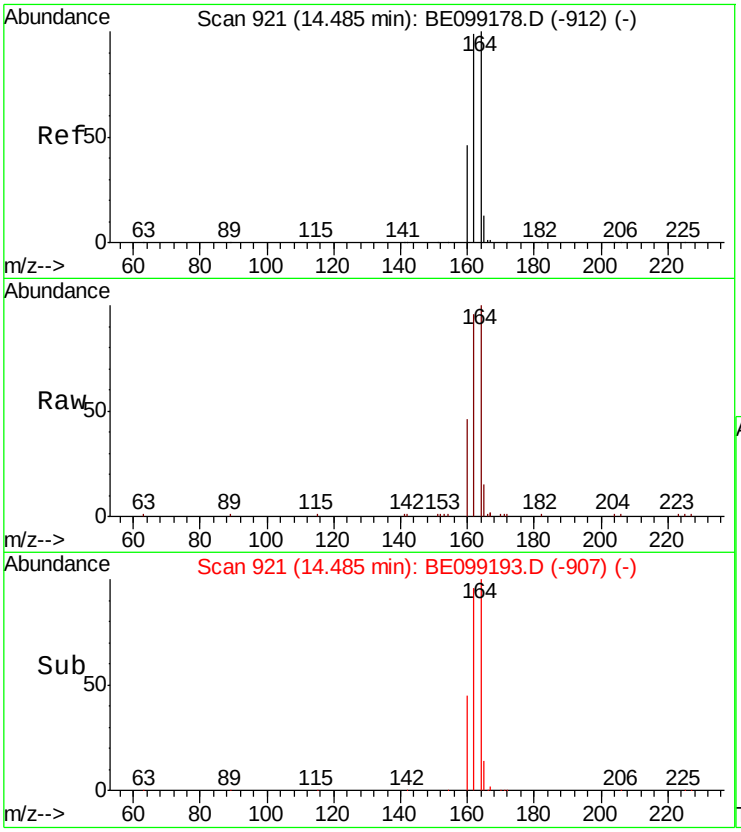


#12
2-Methylnaphthalene
Concen: 0.001 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:142 Resp: 42

Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.3	106.9
115	86.9	30.4	45.6#



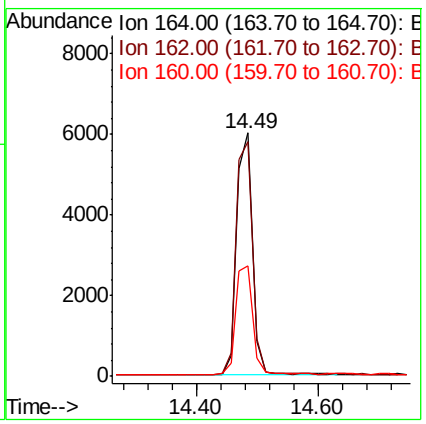


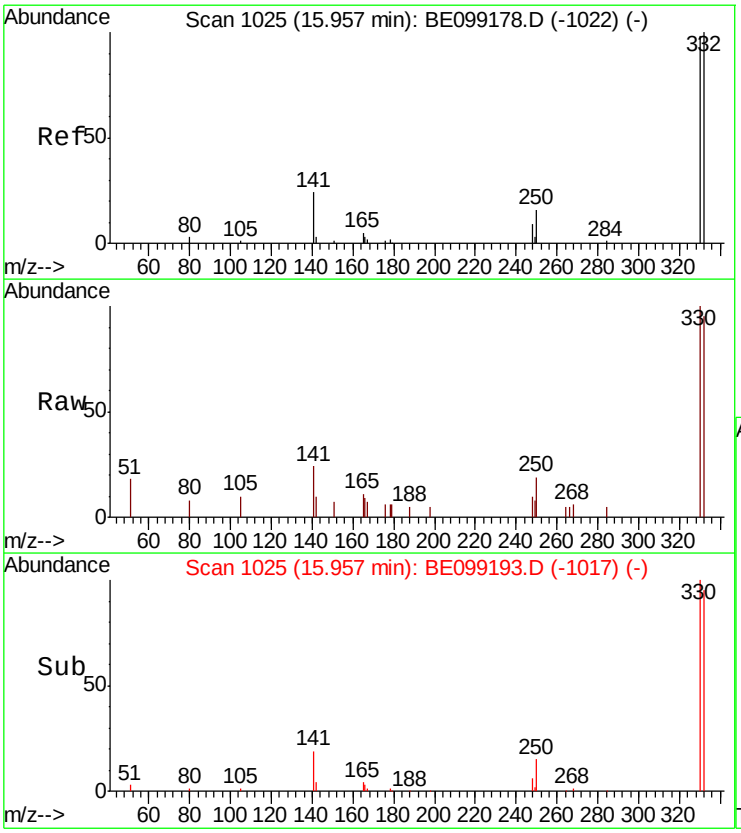
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:164 Resp: 10906

Ion	Ratio	Lower	Upper
164	100		
162	96.4	79.2	118.8
160	45.6	36.7	55.1

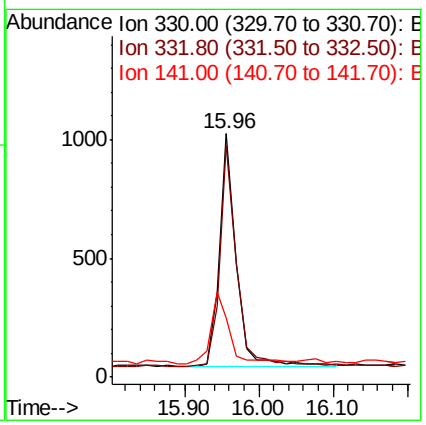


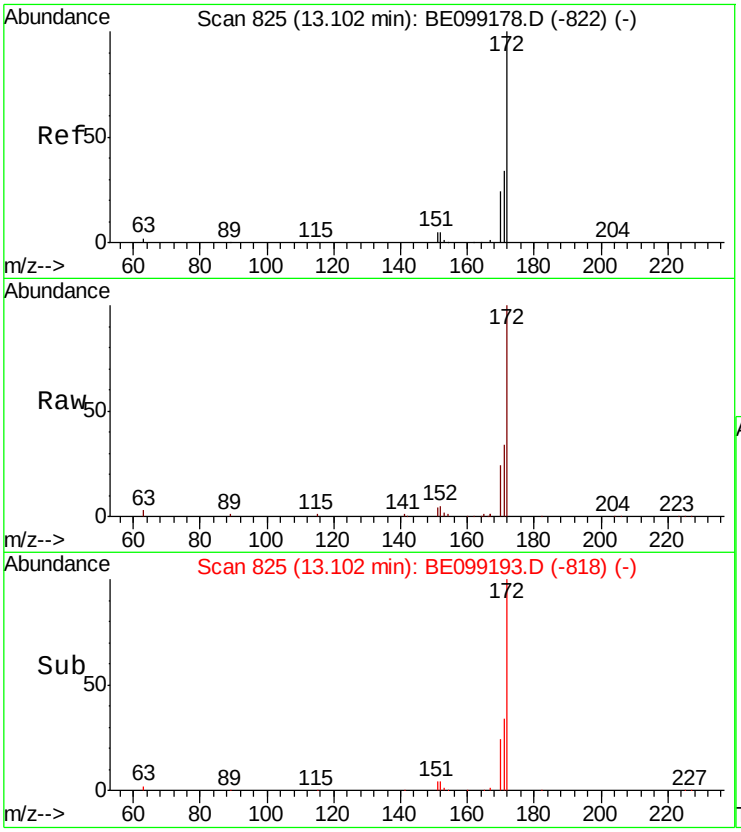


#14
2,4,6-Tribromophenol
Concen: 0.479 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:330 Resp: 1551

Ion	Ratio	Lower	Upper
330	100		
332	94.2	71.3	106.9
141	34.0	21.7	32.5#



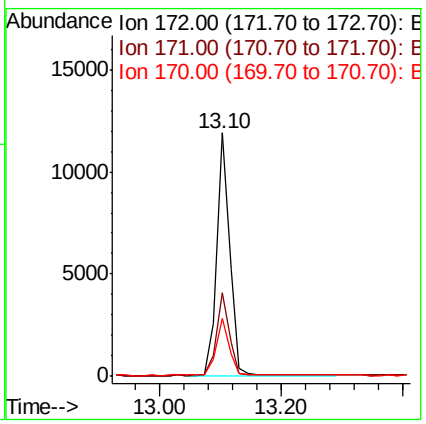


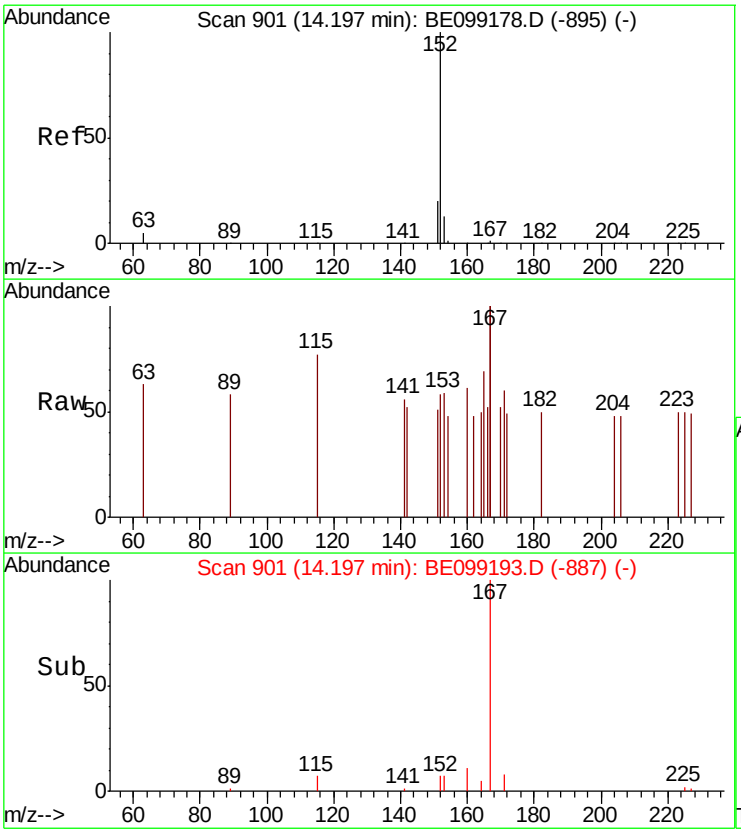
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:172 Resp: 17496

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	24.1	19.1	28.7

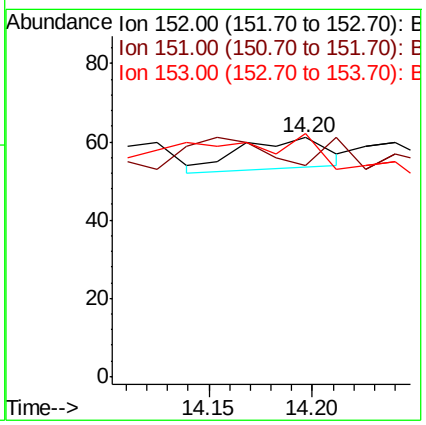


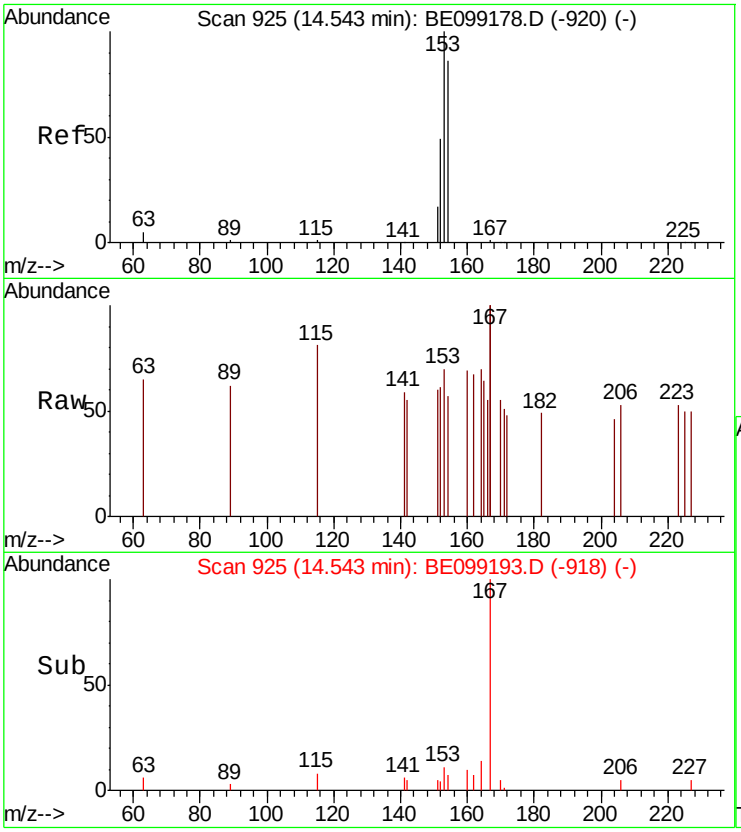


#16
Acenaphthylene
Concen: 0.000 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:152 Resp: 23

Ion	Ratio	Lower	Upper
152	100		
151	43.5	15.7	23.5#
153	230.4	10.6	15.8#



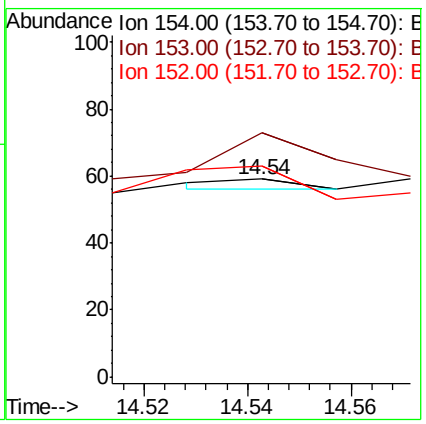


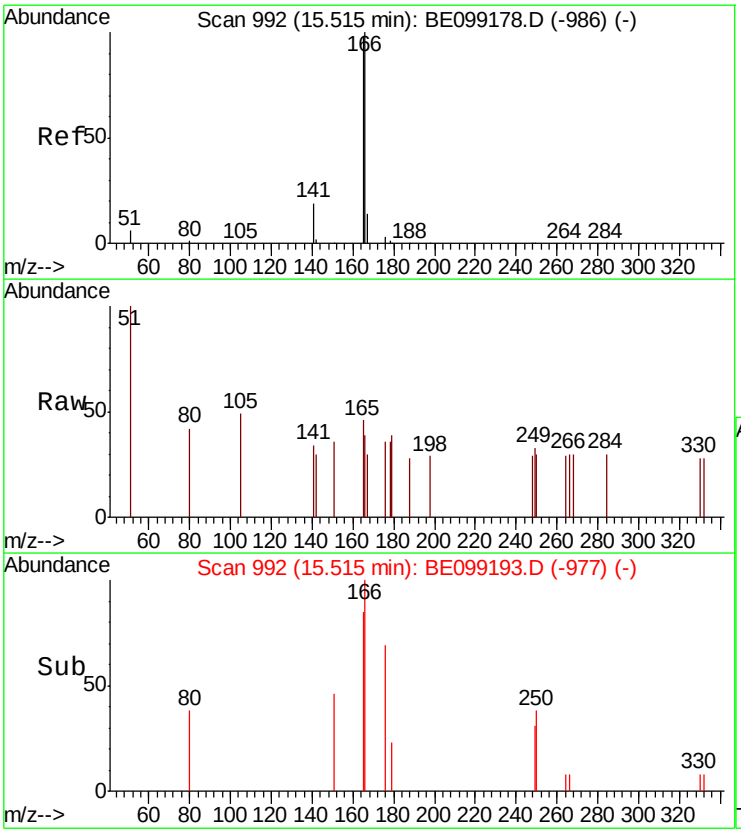
#17
Acenaphthene
Concen: 0.000 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:154 Resp: 3

Ion	Ratio	Lower	Upper
154	100		
153	1800.0	93.4	140.0#
152	733.3	46.6	69.8#

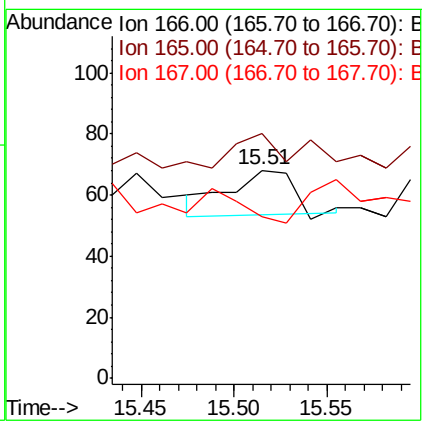


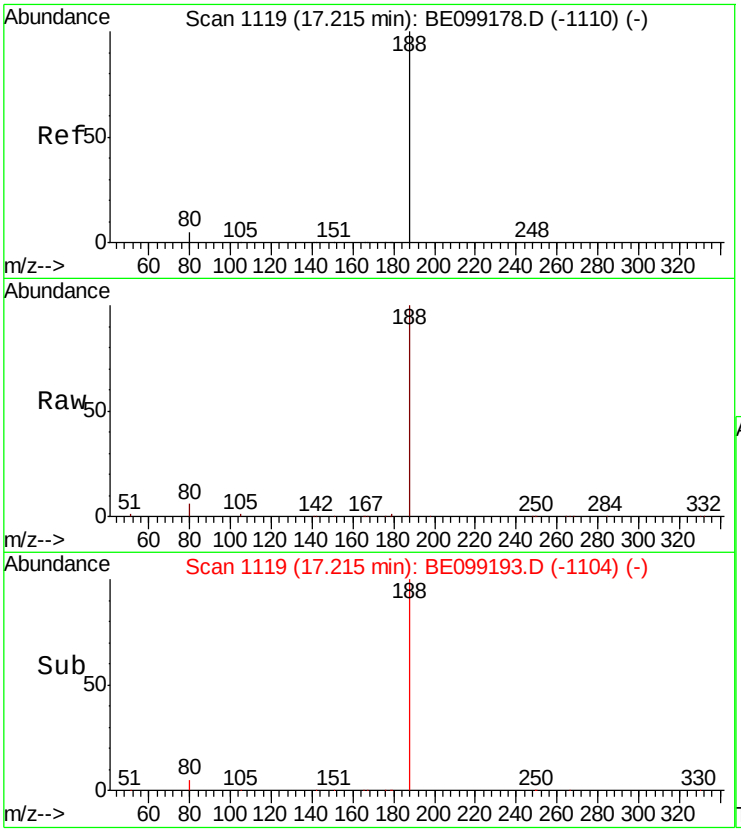


#18
Fluorene
Concen: 0.001 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:166 Resp: 35

Ion	Ratio	Lower	Upper
166	100		
165	180.0	78.9	118.3#
167	0.0	10.9	16.3#



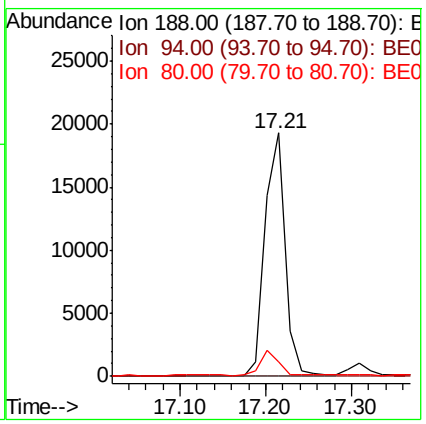


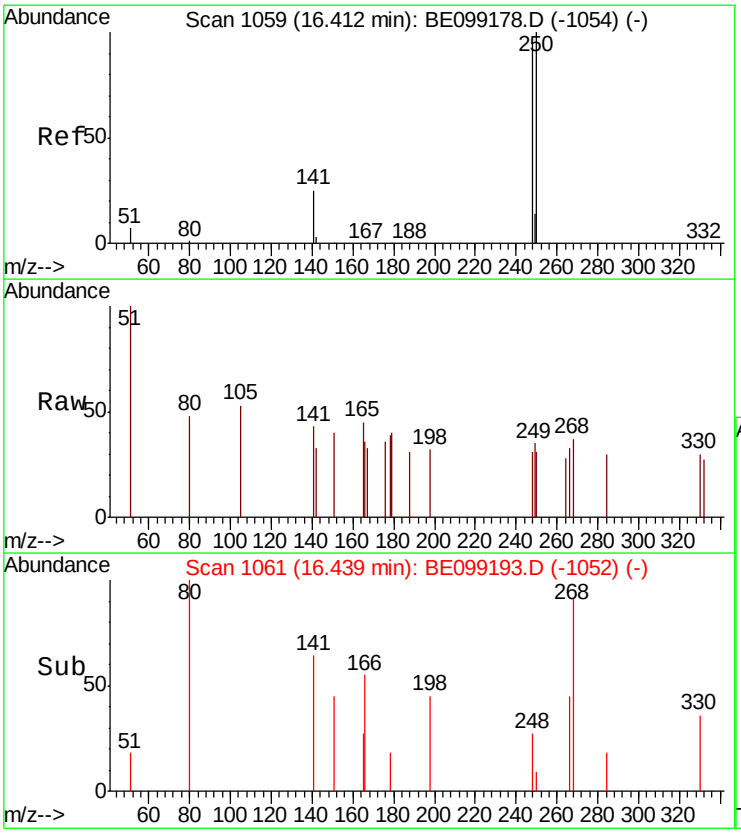
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:188 Resp: 31310

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	4.5	6.7

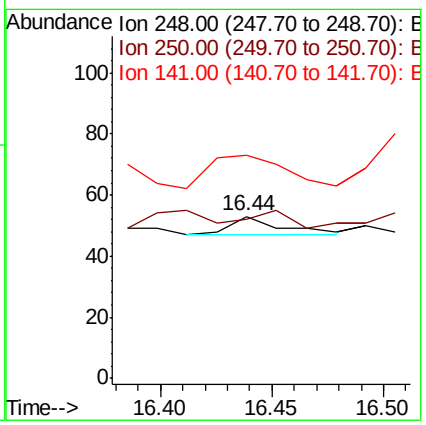


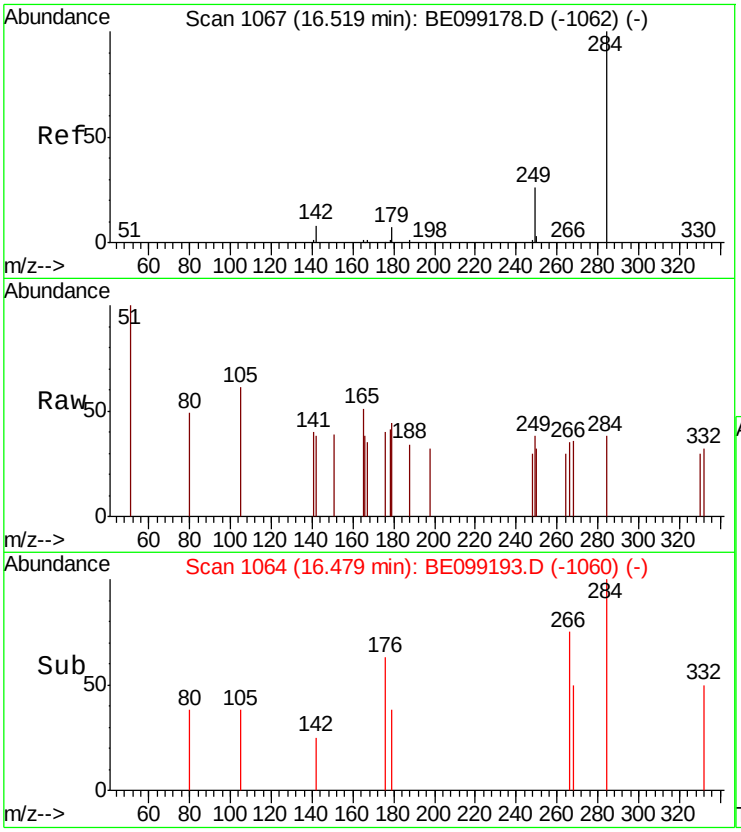


#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:248 Resp: 10

Ion	Ratio	Lower	Upper
248	100		
250	98.1	84.2	126.2
141	137.7	21.8	32.6#



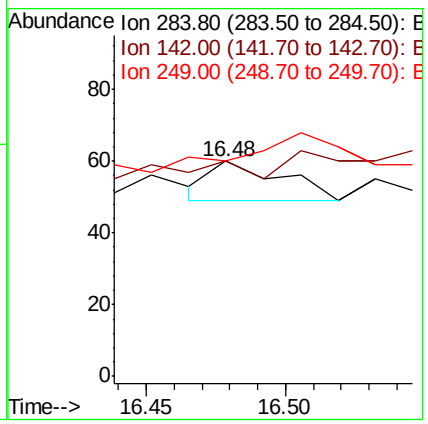


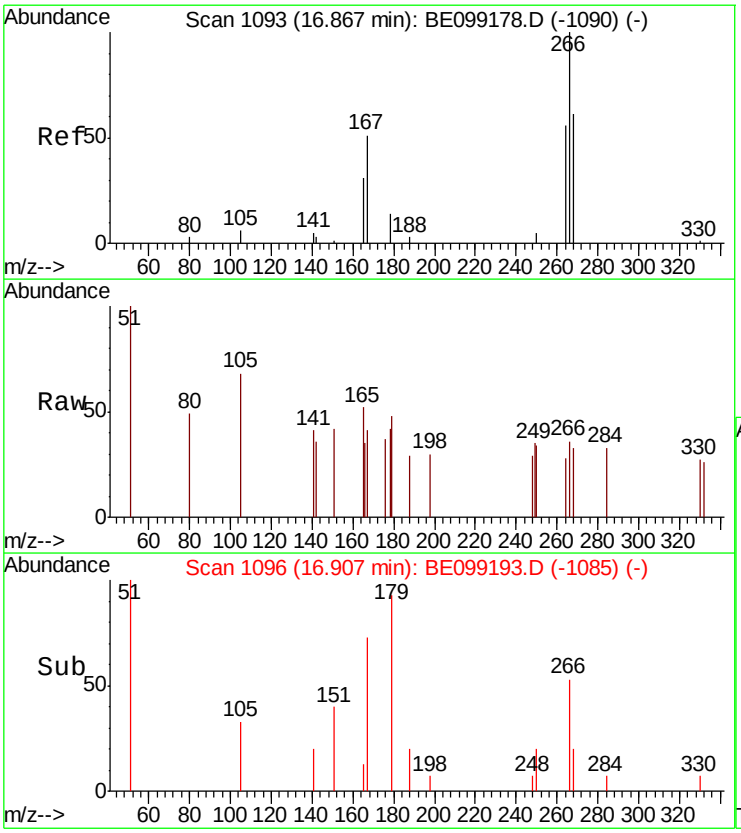
#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.48 min Scan# 1064
Delta R.T. -0.04 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:284 Resp: 19

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.7	34.1#
249	0.0	26.9	40.3#

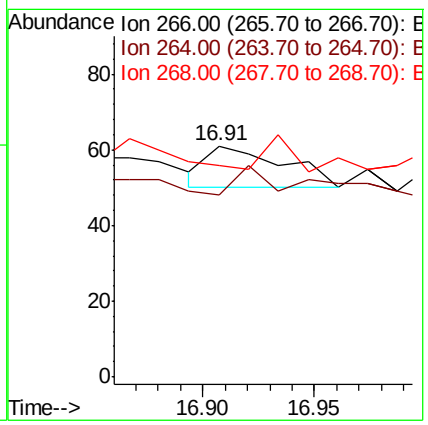


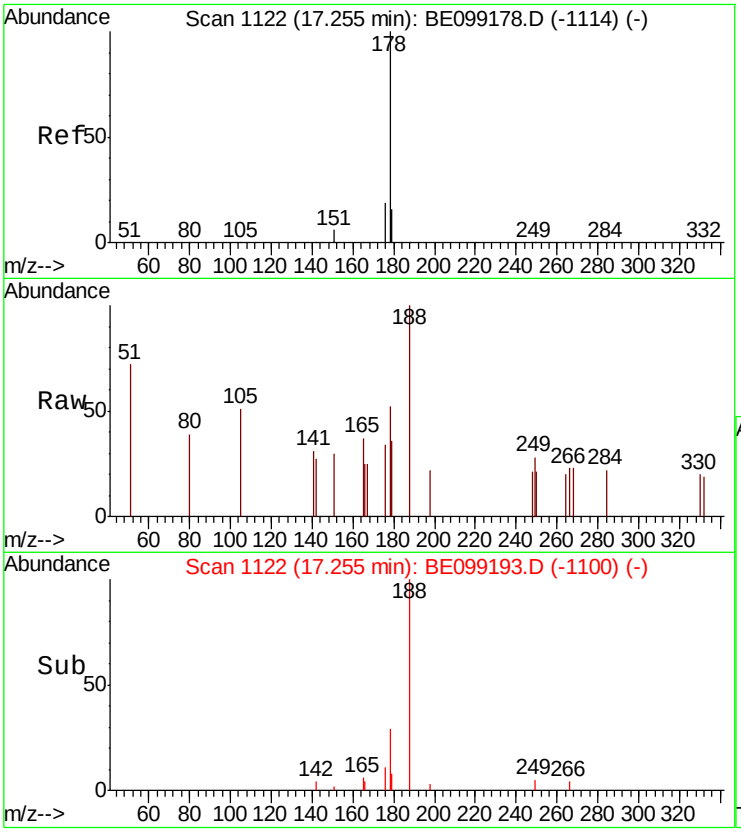


#22
Pentachlorophenol
Concen: 0.248 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.04 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:266 Resp: 27

Ion	Ratio	Lower	Upper
266	100		
264	78.7	54.4	81.6
268	91.8	61.3	91.9



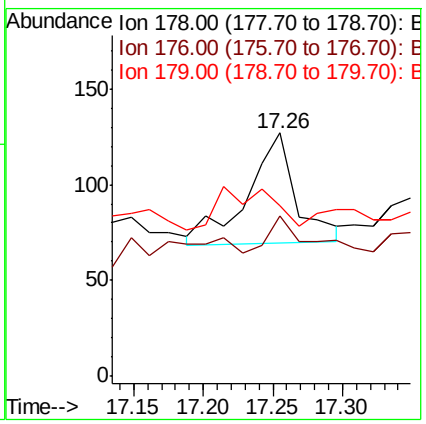


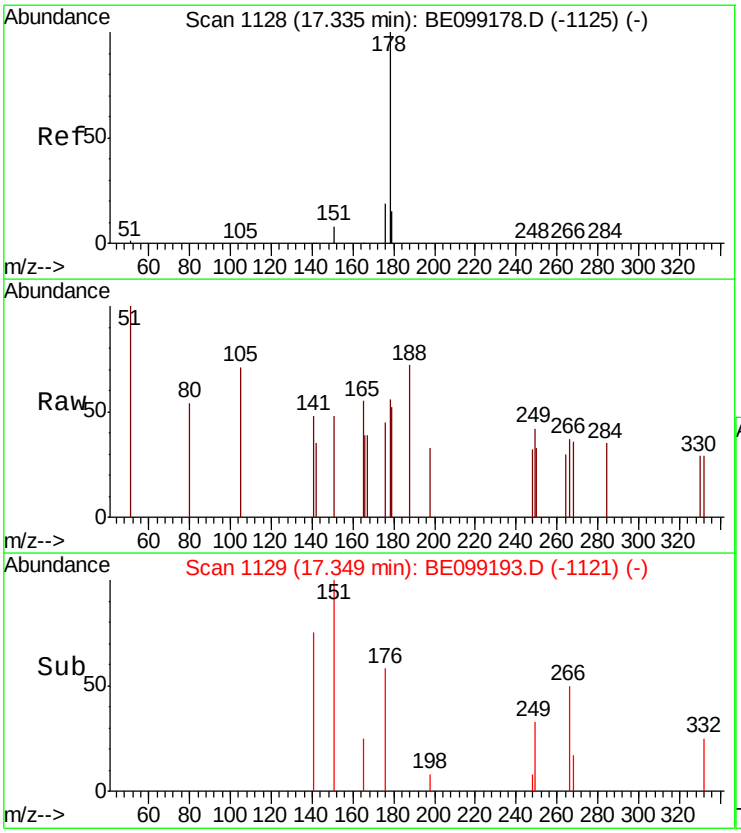
#23
Phenanthrene
Concen: 0.002 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:178 Resp: 143

Ion	Ratio	Lower	Upper
178	100		
176	28.7	15.4	23.2#
179	0.0	12.3	18.5#

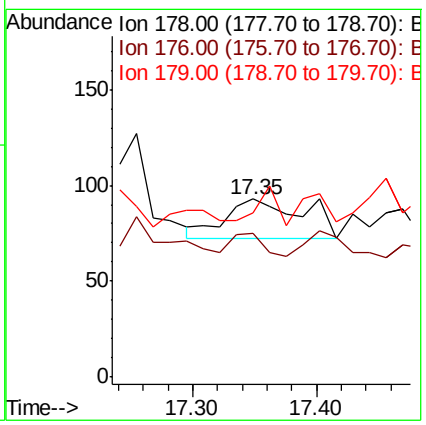


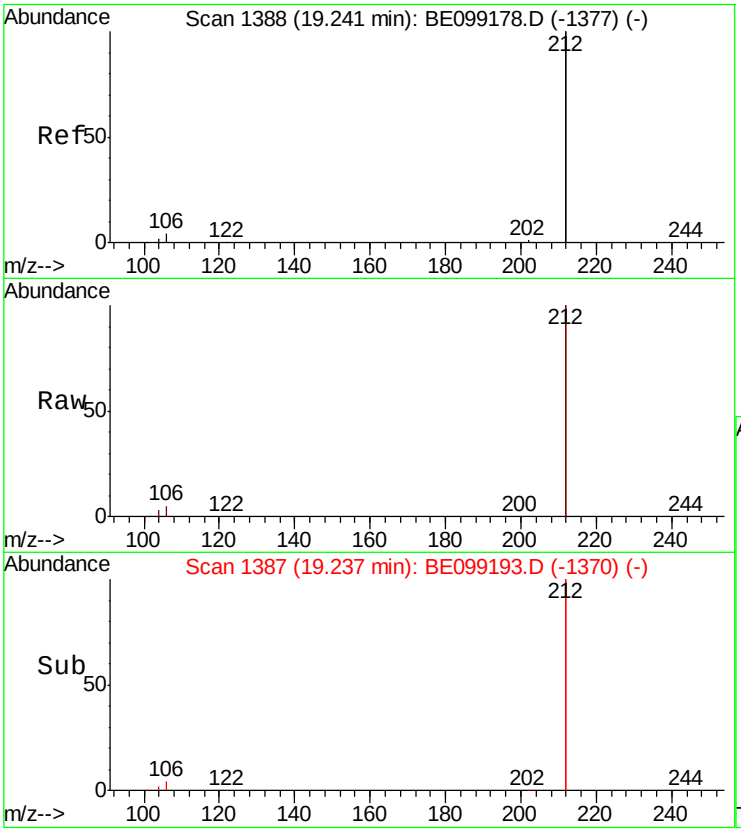


#24
Anthracene
Concen: 0.001 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:178 Resp: 92

Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.1	22.7
179	23.9	12.4	18.6#



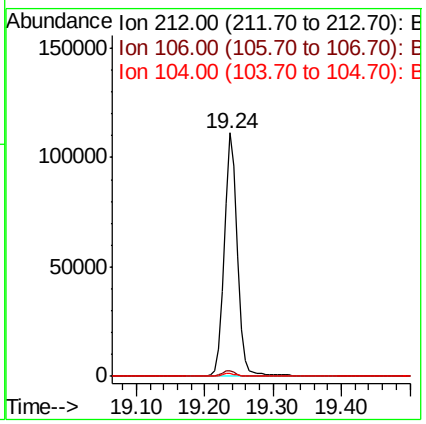


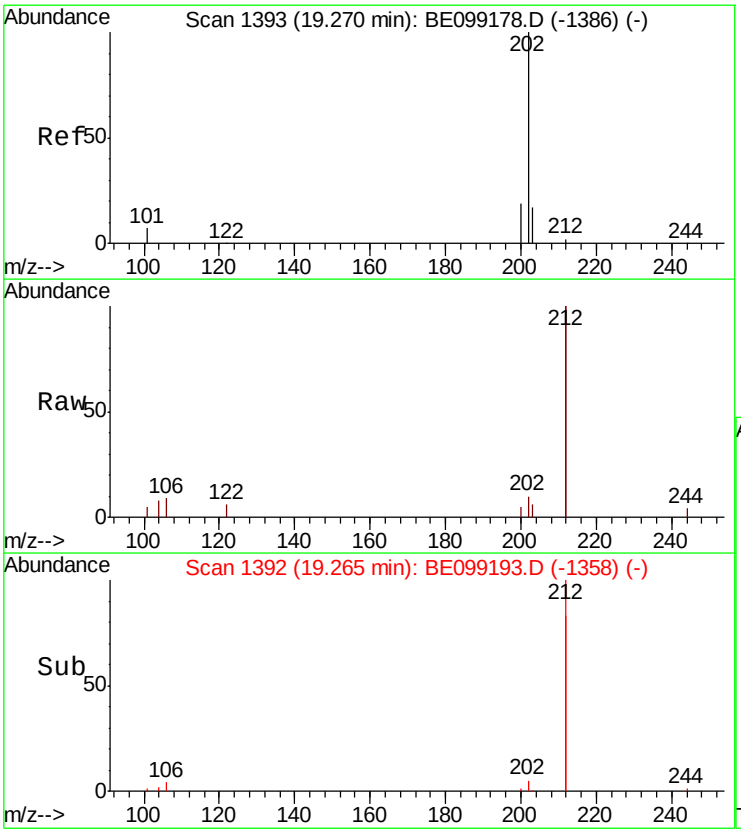
#25
Fluoranthene-d10
Concen: 0.394 ng
RT: 19.24 min Scan# 1387
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:212 Resp: 149332

Ion	Ratio	Lower	Upper
212	100		
106	2.4	1.8	2.8
104	1.4	1.1	1.7

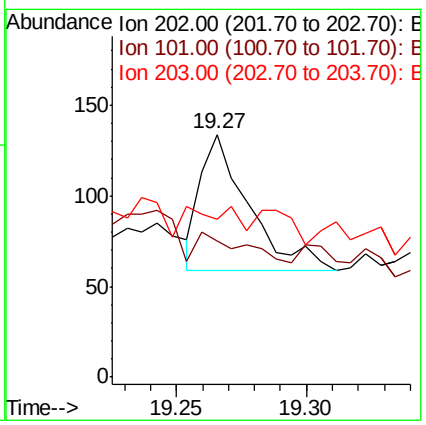


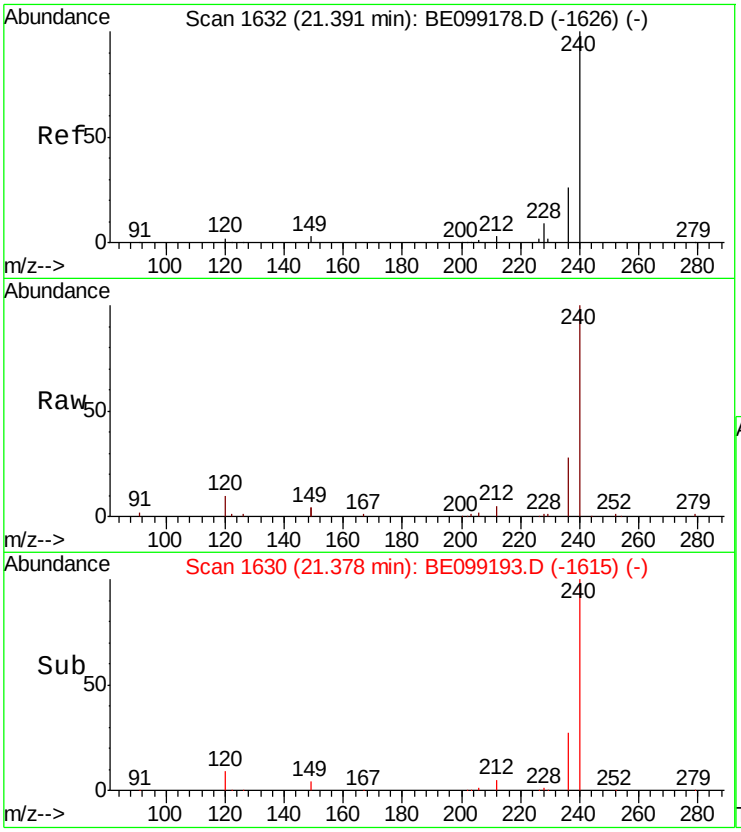


#26
Fluoranthene
Concen: 0.001 ng
RT: 19.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:202 Resp: 96

Ion	Ratio	Lower	Upper
202	100		
101	0.0	7.0	10.4#
203	21.9	13.8	20.6#



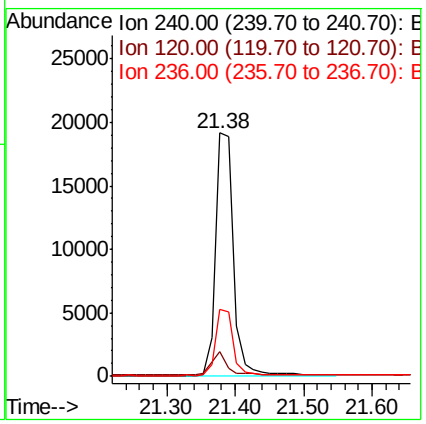


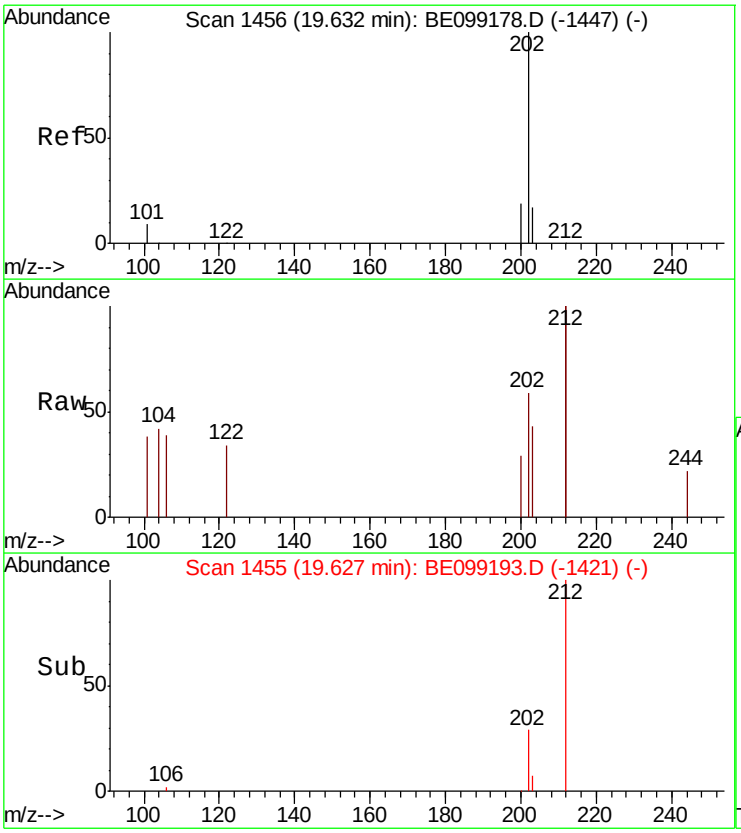
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:240 Resp: 34510

Ion	Ratio	Lower	Upper
240	100		
120	10.0	2.6	3.8#
236	27.7	20.9	31.3

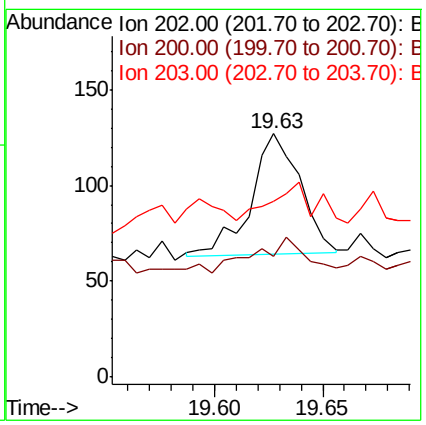


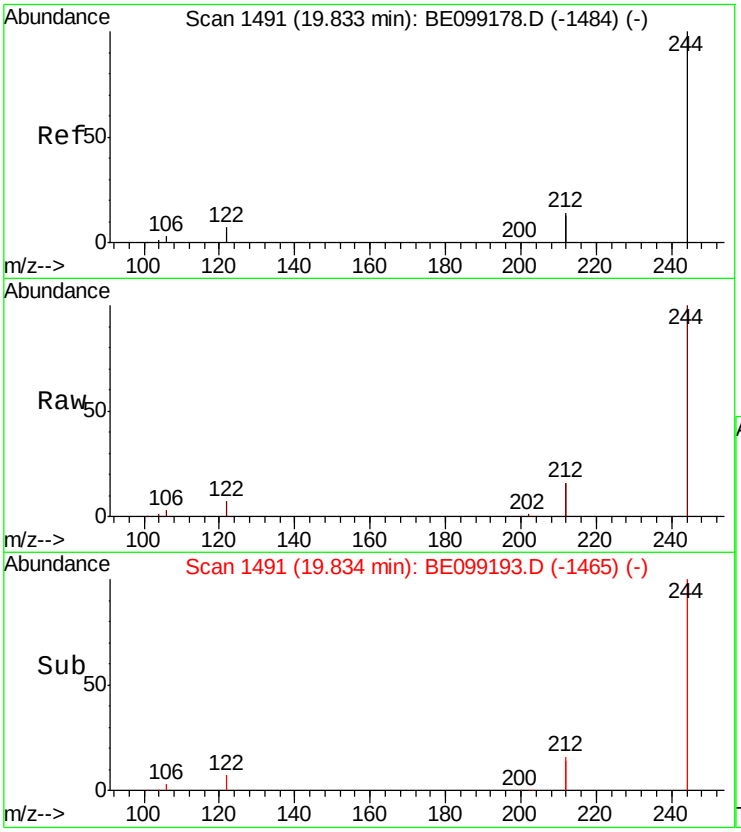


#28
Pyrene
Concen: 0.001 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:202 Resp: 100

Ion	Ratio	Lower	Upper
202	100		
200	31.0	15.8	23.8#
203	31.0	14.1	21.1#



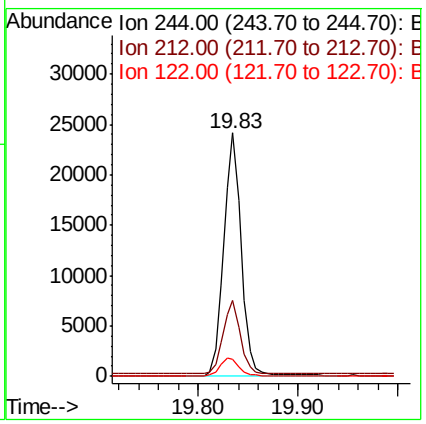


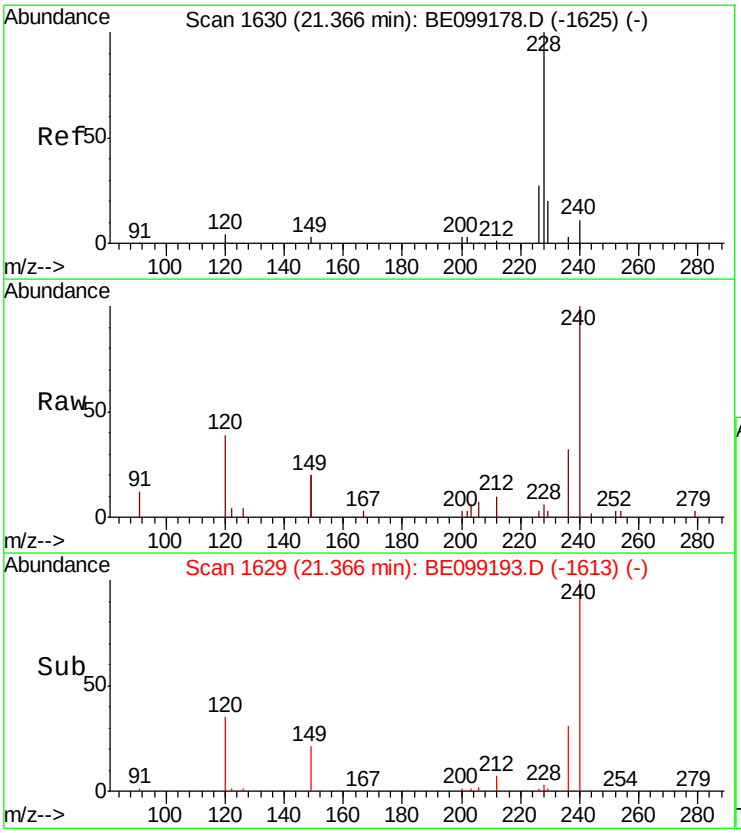
#29
Terphenyl-d14
Concen: 0.388 ng
RT: 19.83 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:244 Resp: 29104

Ion	Ratio	Lower	Upper
244	100		
212	31.1	22.7	34.1
122	7.1	5.8	8.6

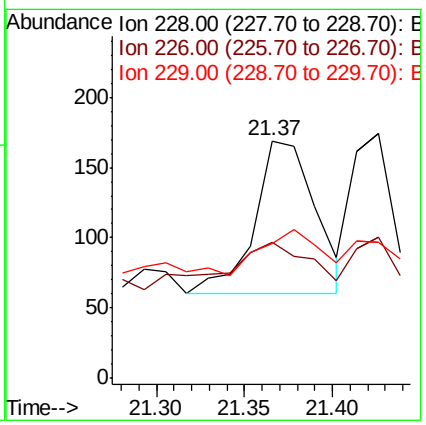


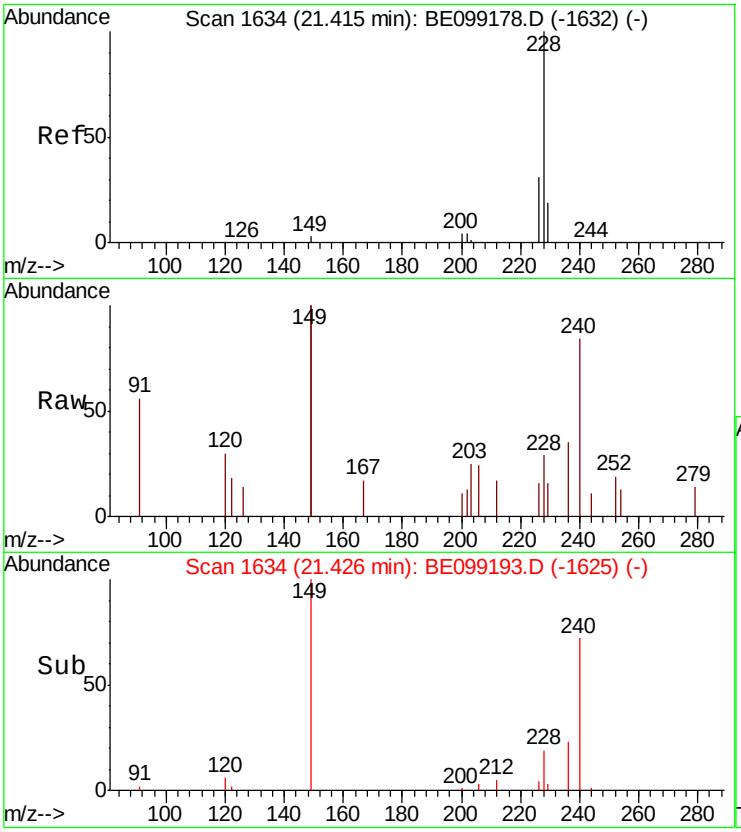


#30
Benzo(a)anthracene
Concen: 0.002 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:228 Resp: 262

Ion	Ratio	Lower	Upper
228	100		
226	57.4	21.7	32.5#
229	56.8	15.9	23.9#



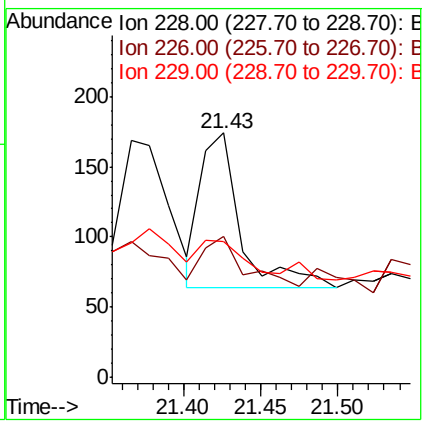


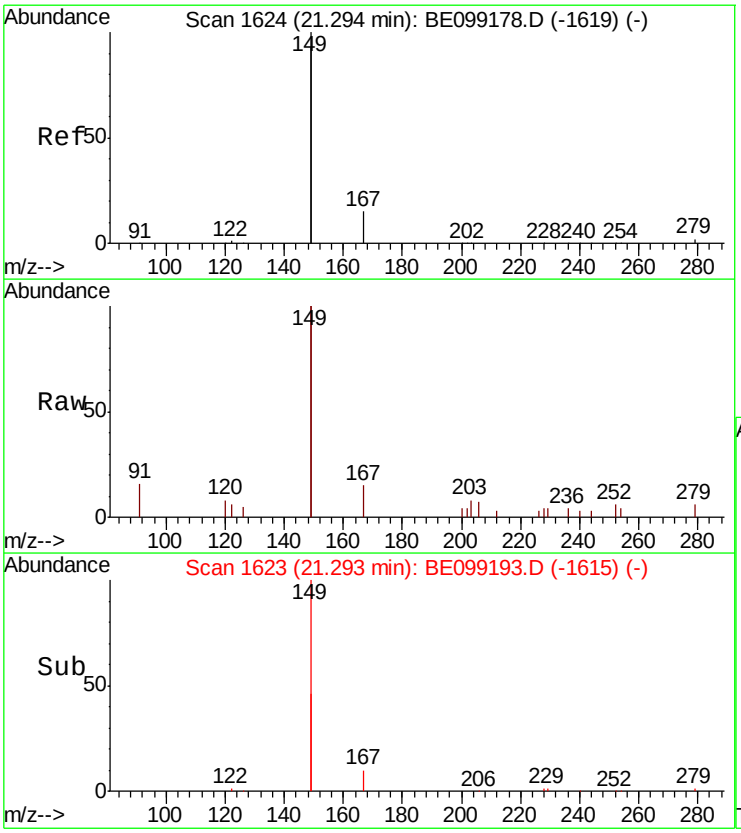
#31
Chrysene
Concen: 0.002 ng
RT: 21.43 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:228 Resp: 198

Ion	Ratio	Lower	Upper
228	100		
226	57.5	24.8	37.2#
229	55.7	15.4	23.0#

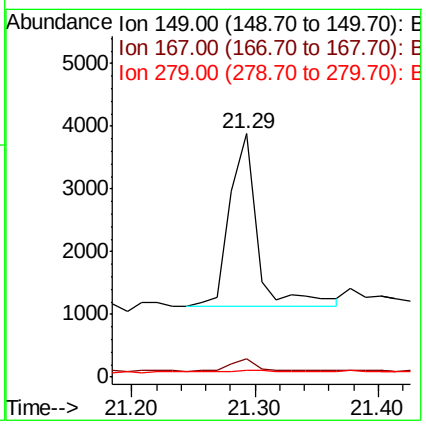


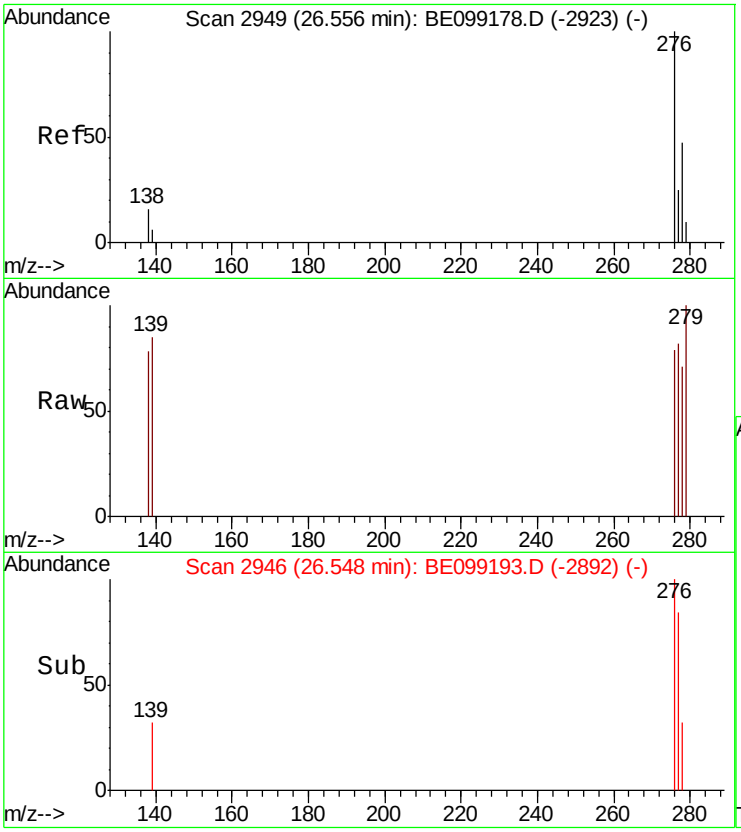


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.031 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:149 Resp: 4231

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.9	8.9
279	1.6	1.0	1.6#



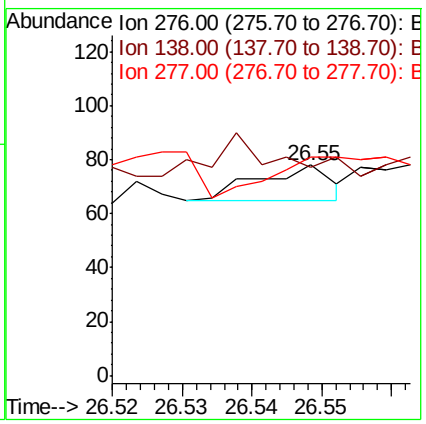


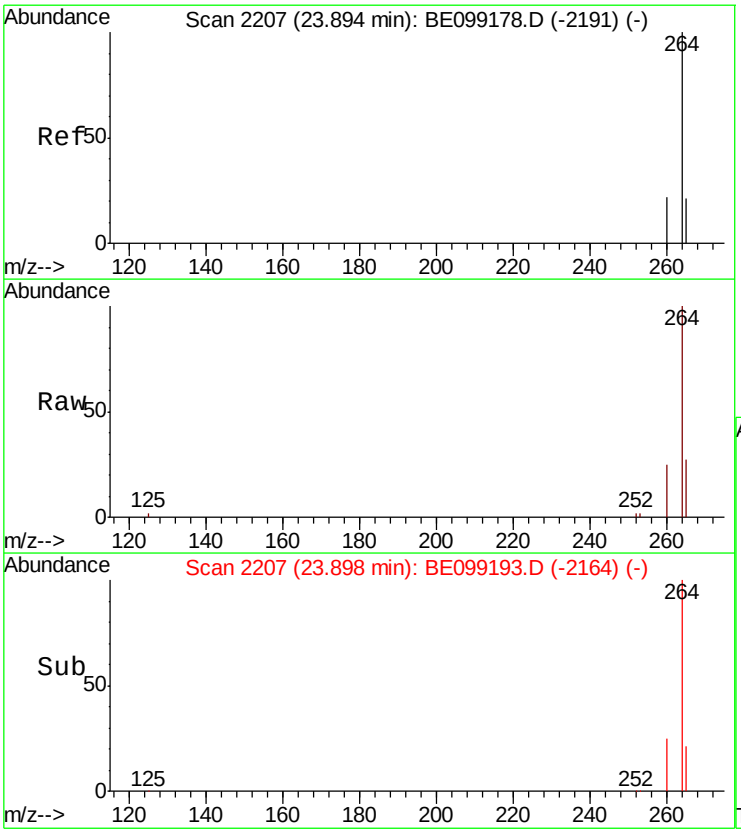
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 26.55 min Scan# 2946
Delta R.T. -0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:276 Resp: 9

Ion	Ratio	Lower	Upper
276	100		
138	133.3	12.9	19.3#
277	166.7	18.3	27.5#

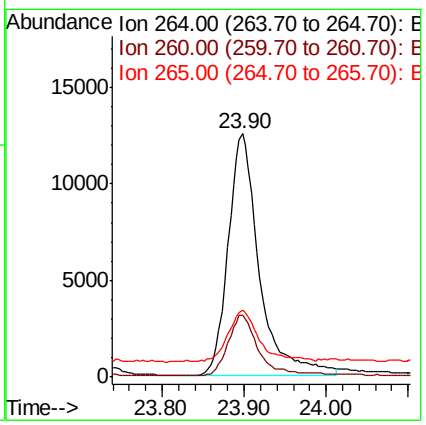


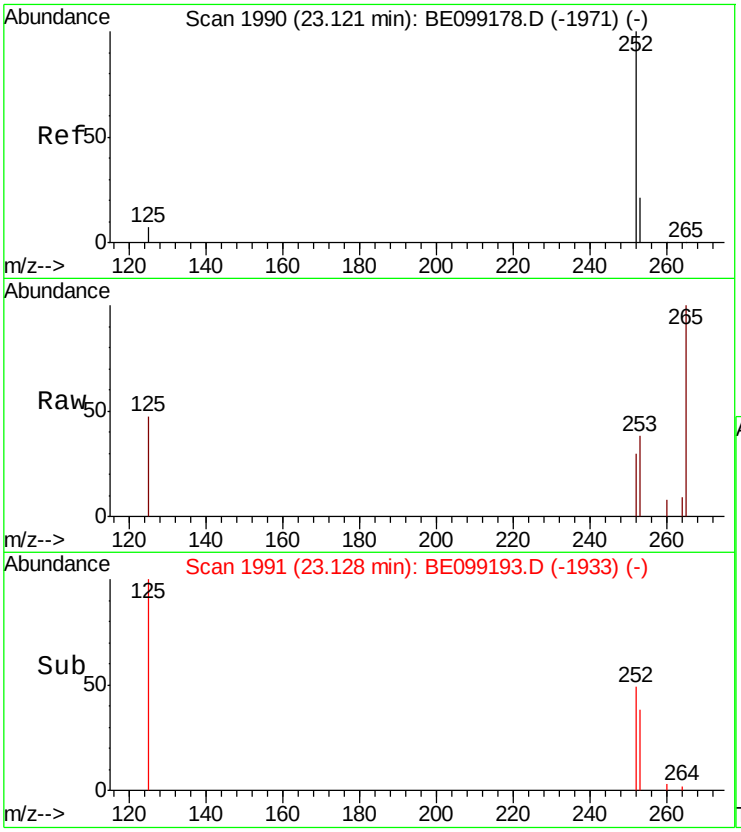


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:264 Resp: 32871

Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.2	27.2
265	27.3	21.8	32.8



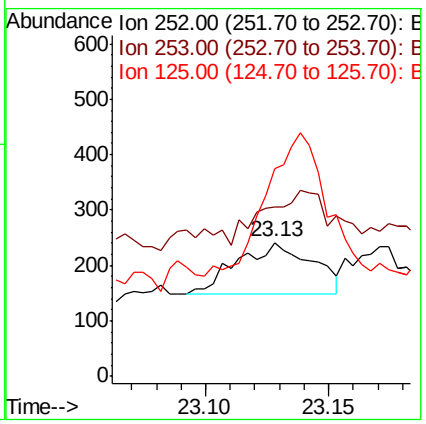


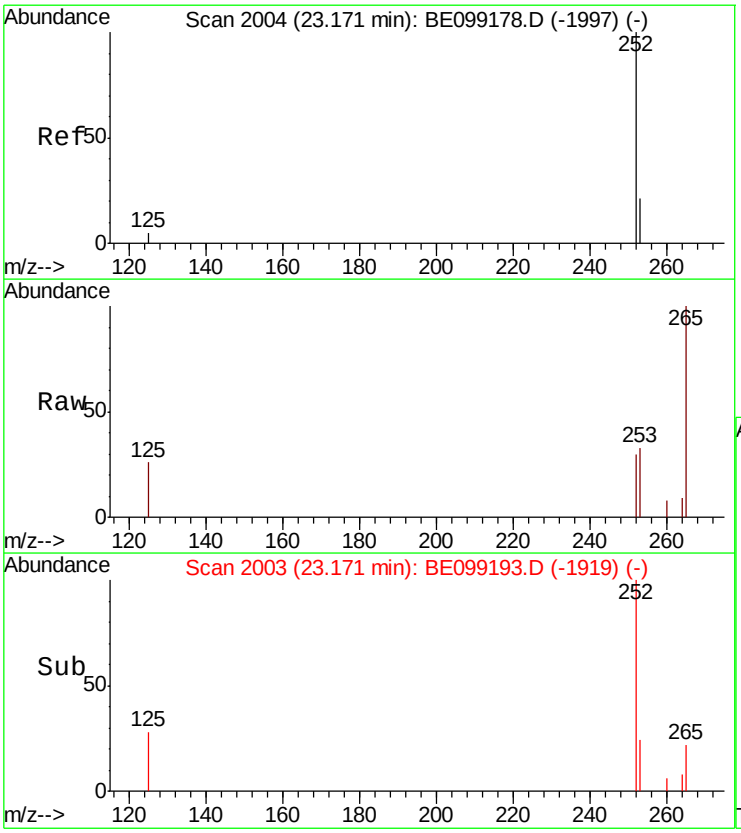
#35
Benzo(b)fluoranthene
Concen: 0.002 ng
RT: 23.13 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:252 Resp: 198

Ion	Ratio	Lower	Upper
252	100		
253	127.0	17.8	26.8#
125	155.2	6.1	9.1#

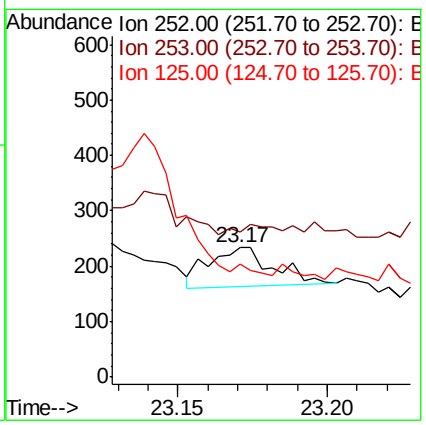


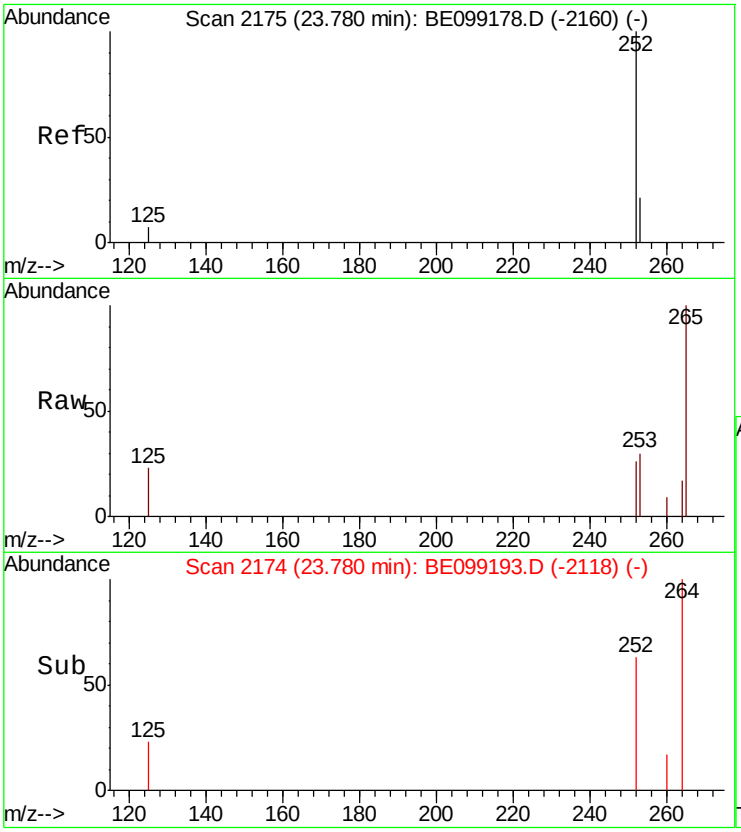


#36
Benzo(k)fluoranthene
Concen: 0.001 ng
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:252 Resp: 104

Ion	Ratio	Lower	Upper
252	100		
253	111.5	17.8	26.6#
125	87.6	5.9	8.9#



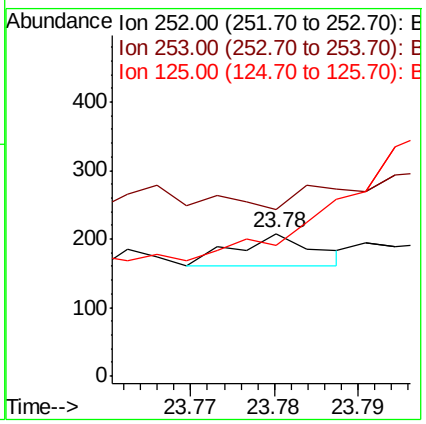


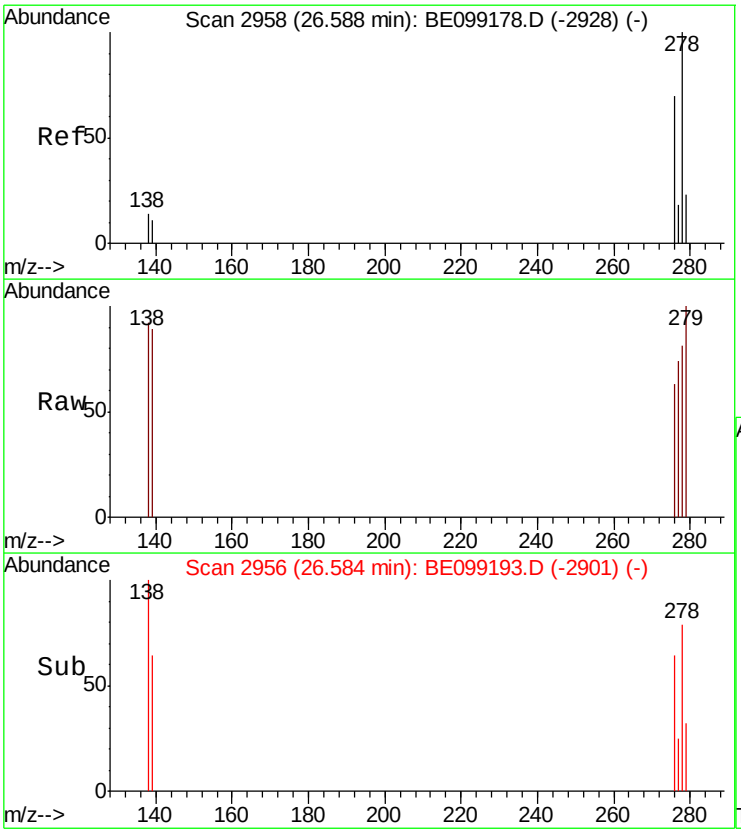
#37
Benzo(a)pyrene
Concen: 0.000 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:252 Resp: 31

Ion	Ratio	Lower	Upper
252	100		
253	116.8	18.1	27.1#
125	91.3	6.8	10.2#

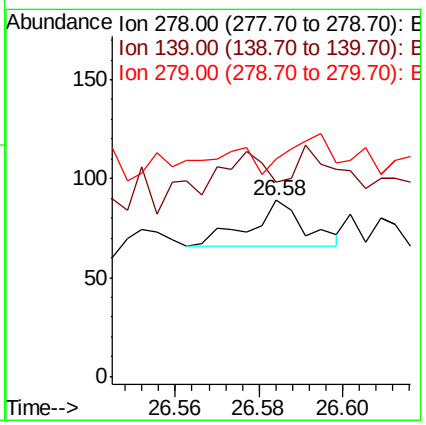


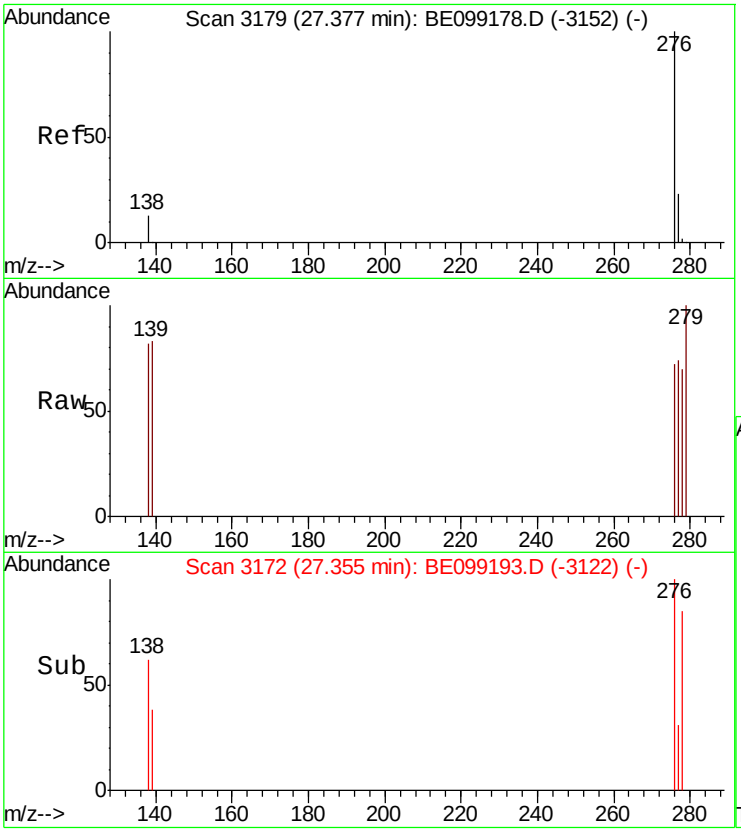


#38
Dibenzo(a,h)anthracene
Concen: 0.000 ng
RT: 26.58 min Scan# 2956
Delta R.T. -0.00 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Tgt Ion:278 Resp: 20

Ion	Ratio	Lower	Upper
278	100		
139	110.1	9.5	14.3#
279	123.6	19.1	28.7#





#39
Benzo(g,h,i)perylene
Concen: 0.000 ng
RT: 27.35 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BE099193.D
Acq: 25 Mar 2019 23:22

Instrument :
BNA_E
ClientSampleId :
KY038PS036-190318

Tgt Ion:276 Resp: 2

Ion	Ratio	Lower	Upper
276	100		
277	102.7	19.0	28.4#
138	115.1	11.1	16.7#