Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051719\
Data File : BE099656.D
Acq On : 17 May 2019 17:26
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: May 17 18:28:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2480	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	8687	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	6029	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	17403	0.40	ng	0.00
27) Chrysene-d12	21.41	240	24466	0.40	ng	0.00
34) Perylene-d12	23.96	264	30794	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2401	0.34	ng	0.00
5) Phenol-d6	6.98	99	3194	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	2891	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5240	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	1289	0.31	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	8259	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	83384	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	16963	0.39	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	1170	0.320	ng	# 84
3) n-Nitrosodimethylamine	3.62	42	676	0.290	ng	# 95
6) bis(2-Chloroethyl)ether	7.24	93	2628	0.350	ng	92
9) Naphthalene	10.67	128	33509	0.362	ng	99
10) Hexachlorobutadiene	10.94	225	2403	0.355	ng	98
12) 2-Methylnaphthalene	12.29	142	5496	0.360	ng	99
16) Acenaphthylene	14.21	152	10007	0.352	ng	100
17) Acenaphthene	14.54	154	5755	0.358	ng	98
18) Fluorene	15.53	166	8202	0.356	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	3563	0.355	ng	97
21) Hexachlorobenzene	16.53	284	3680	0.373	ng	98
22) Pentachlorophenol	16.89	266	1454	0.529	ng	92
23) Phenanthrene	17.27	178	15718	0.364	ng	100
24) Anthracene	17.36	178	14029	0.352	ng	99
26) Fluoranthene	19.29	202	23987	0.367	ng	100
28) Pyrene	19.66	202	24873	0.399	ng	100
30) Benzo(a)anthracene	21.40	228	28714	0.388	ng	100
31) Chrysene	21.45	228	30513	0.401	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	38425	0.337	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	38391	0.405	ng	99
35) Benzo(b)fluoranthene	23.17	252	30979	0.360	ng	99
36) Benzo(k)fluoranthene	23.22	252	31780	0.374	ng	98
37) Benzo(a)pyrene	23.84	252	30042	0.360	ng	98
38) Dibenzo(a,h)anthracene	26.68	278	31837	0.368	ng	98
39) Benzo(g,h,i)perylene	27.48	276	31513	0.362	ng	100

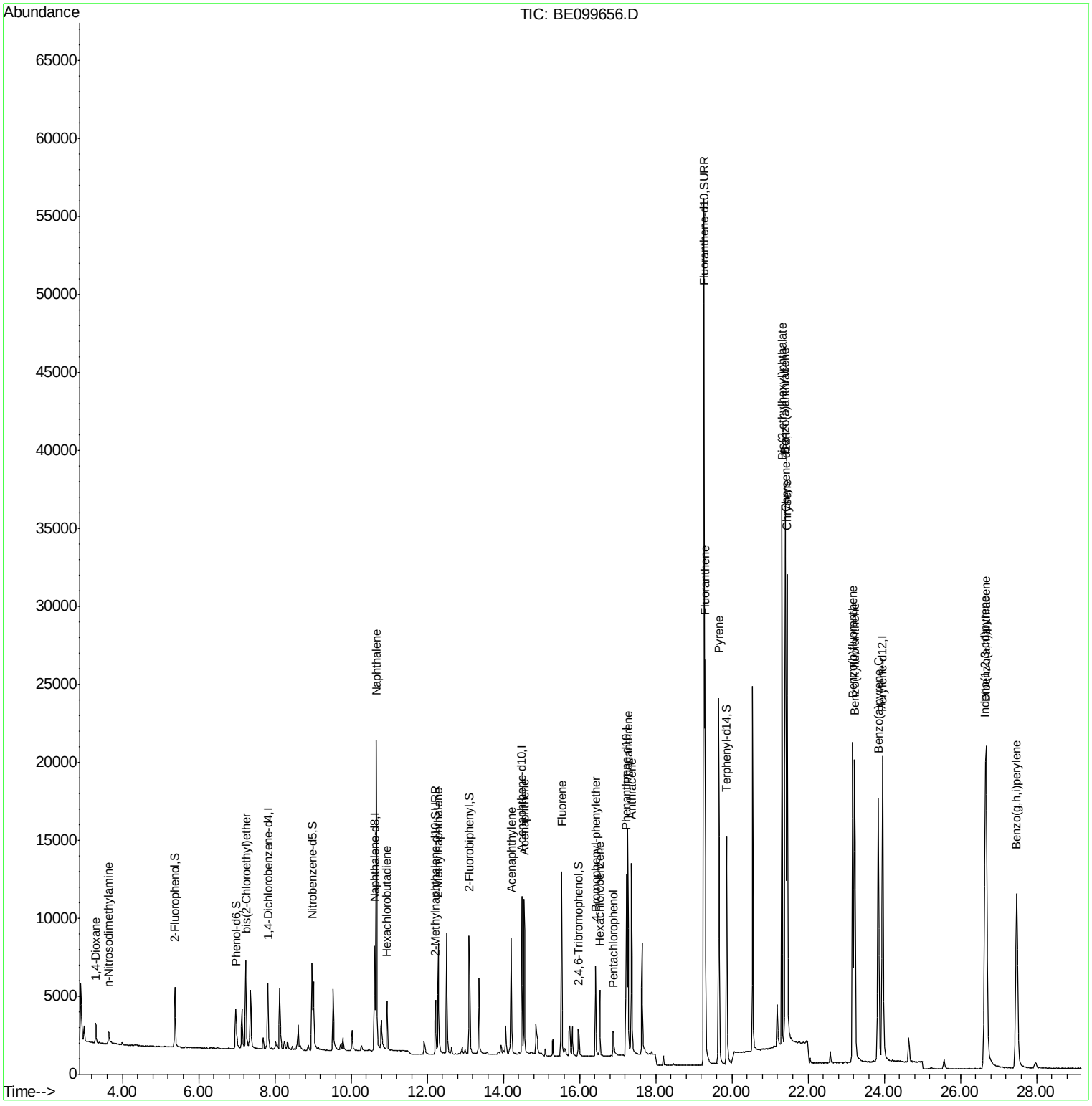
(#) = qualifier out of range (m) = manual integration (+) = signals summed

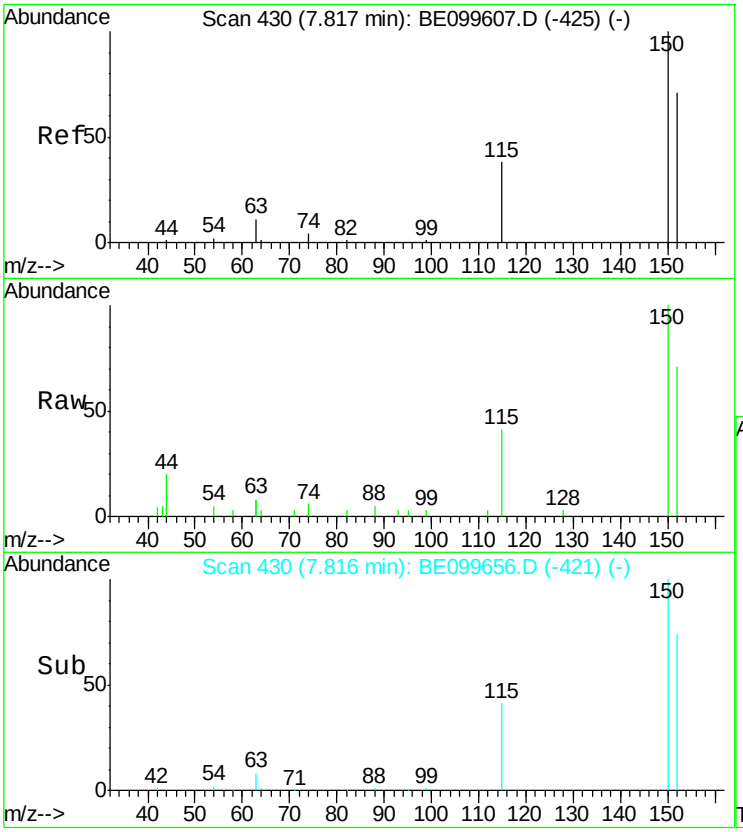
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051719\
Data File : BE099656.D
Acq On : 17 May 2019 17:26
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 17 18:28:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration



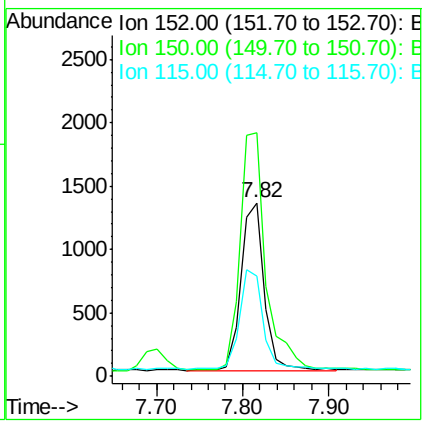


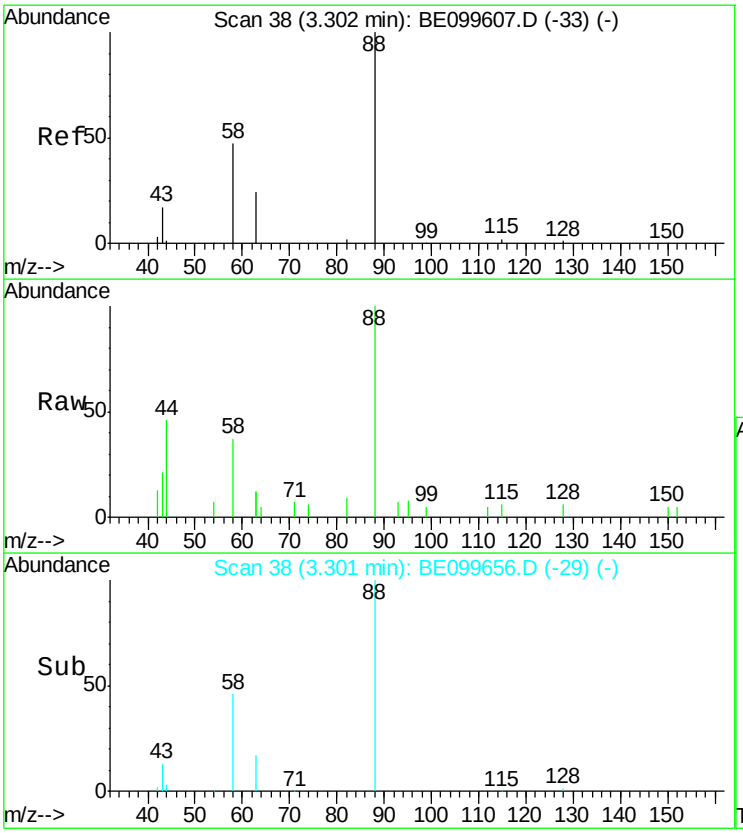
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2480

Ion	Ratio	Lower	Upper
152	100		
150	140.1	110.1	165.1
115	58.0	46.2	69.4

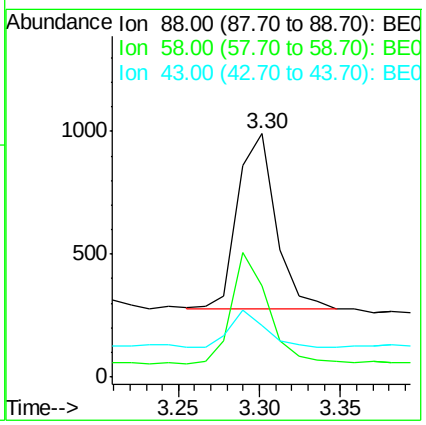


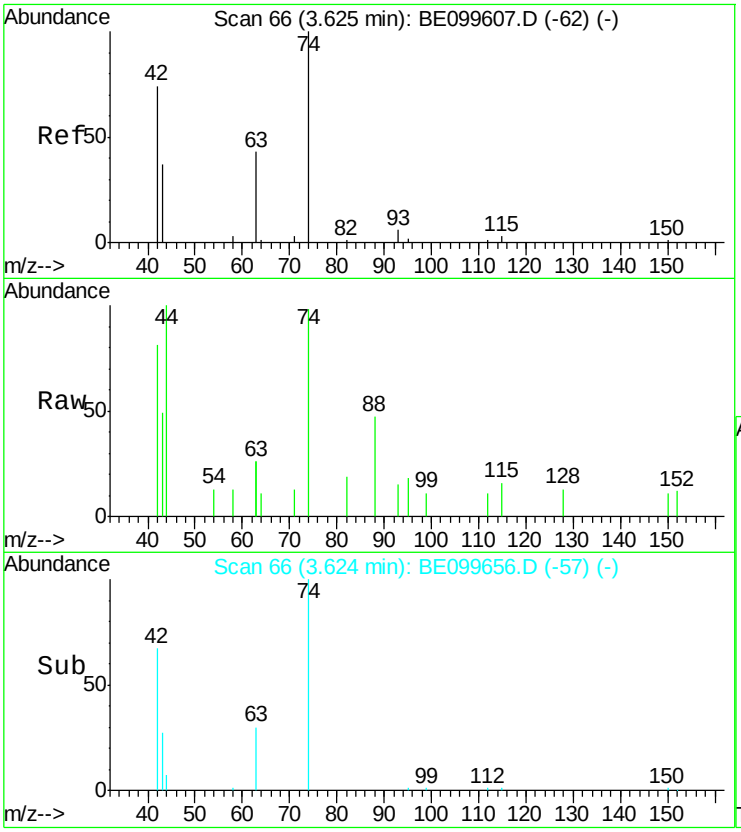


#2
1,4-Dioxane
Concen: 0.320 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion: 88 Resp: 1170

Ion	Ratio	Lower	Upper
88	100		
58	61.5	39.8	59.6#
43	19.3	21.0	31.6#



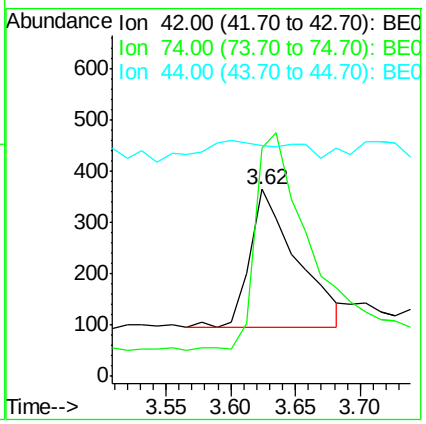


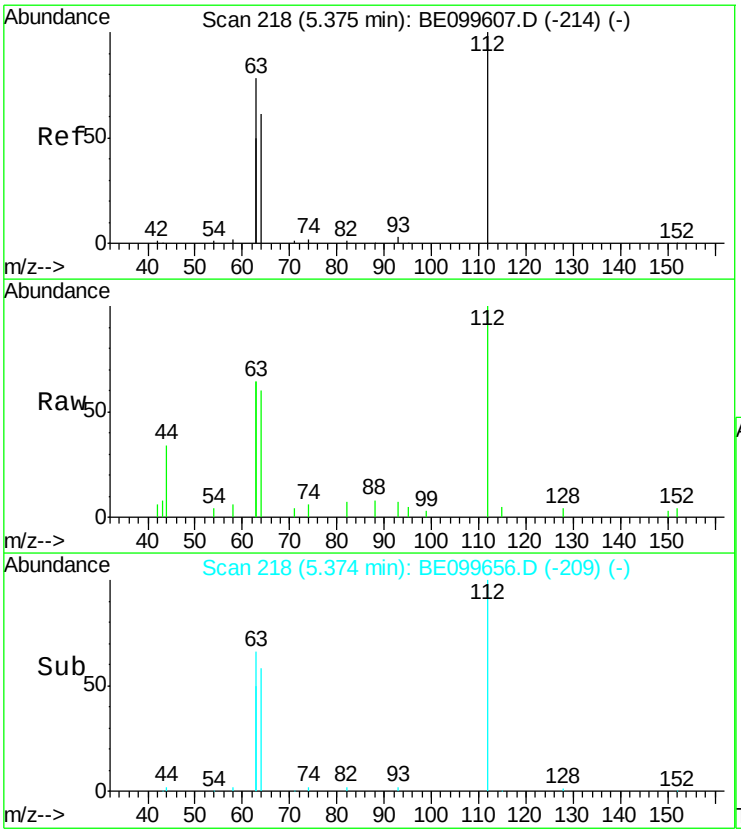
#3
n-Nitrosodimethylamine
Concen: 0.290 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 676

Ion	Ratio	Lower	Upper
42	100		
74	171.6	134.7	202.1
44	0.0	12.5	18.7#

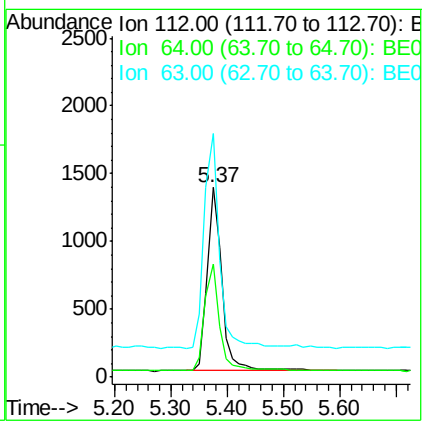


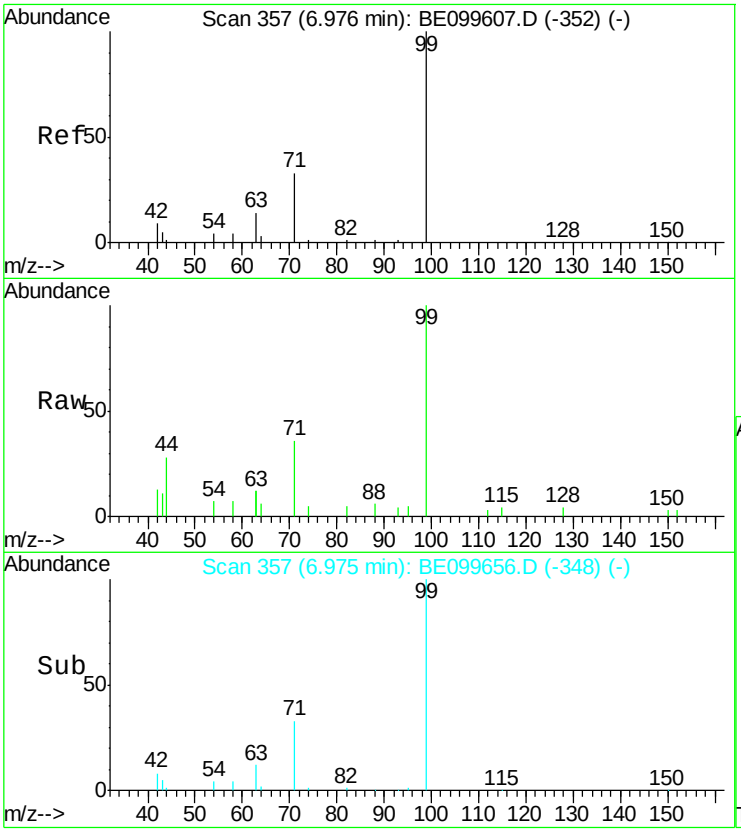


#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:112 Resp: 2401

Ion	Ratio	Lower	Upper
112	100		
64	59.1	43.7	65.5
63	119.7	94.0	141.0



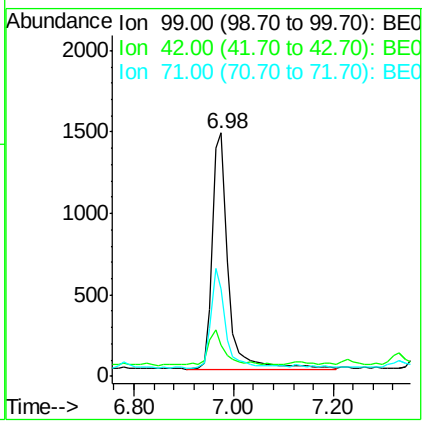


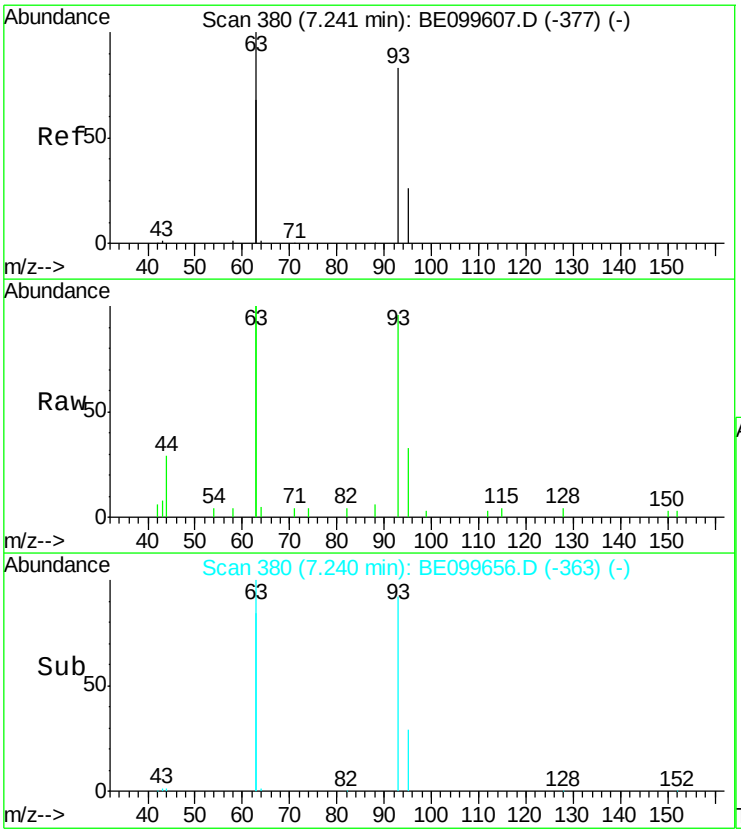
#5
Phenol-d6
Concen: 0.358 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3194

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.3	21.5
71	39.2	33.1	49.7

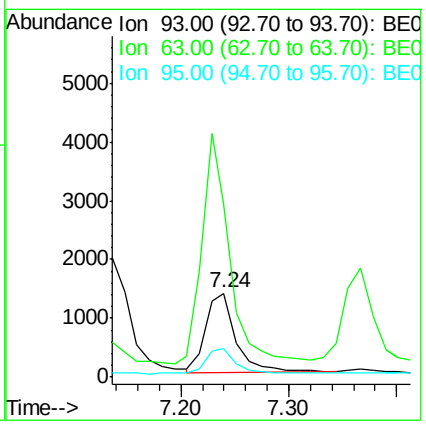


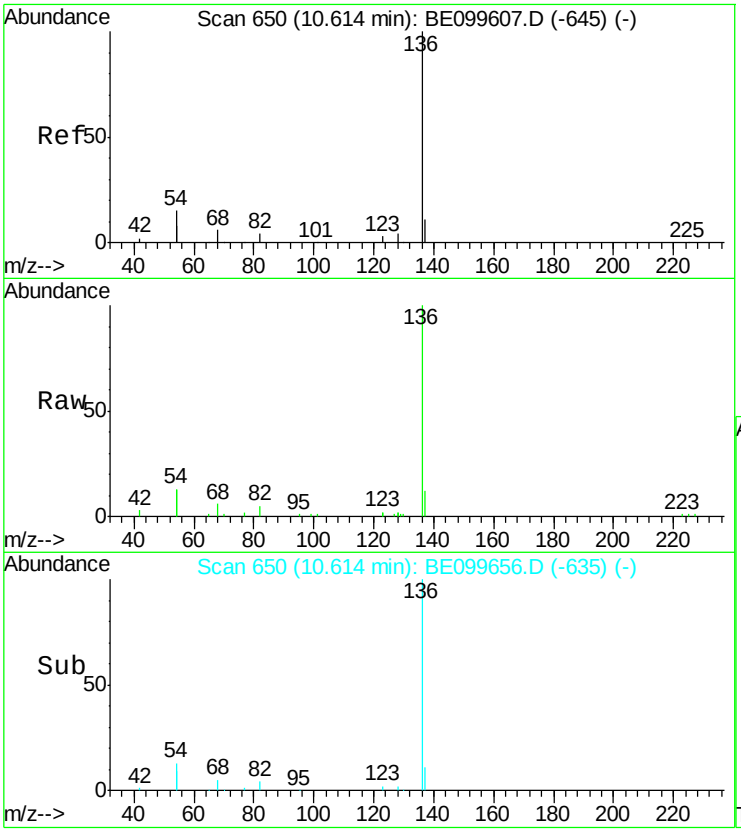


#6
bis(2-Chloroethyl)ether
Concen: 0.350 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion: 93 Resp: 2628

Ion	Ratio	Lower	Upper
93	100		
63	266.7	201.0	301.4
95	34.3	25.0	37.4



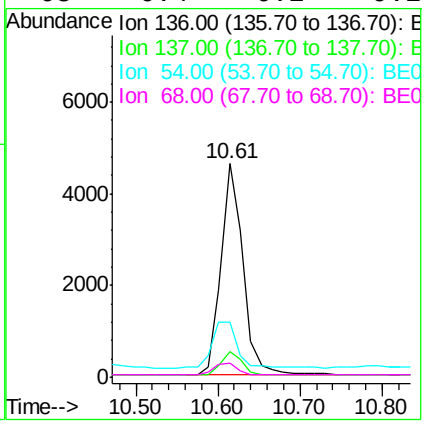


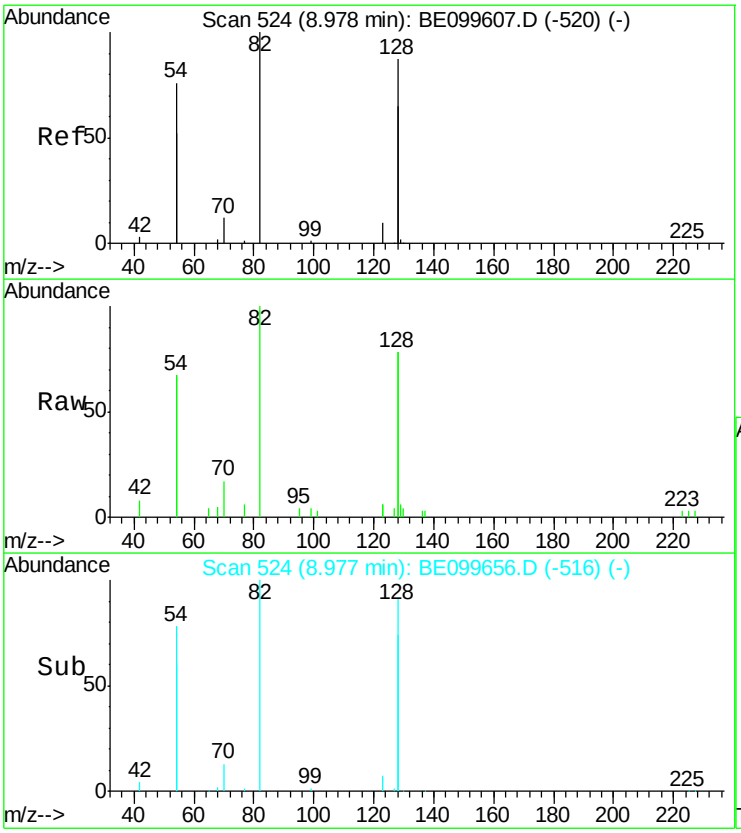
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 8687

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	25.9	23.8	35.8
68	6.4	6.2	9.2

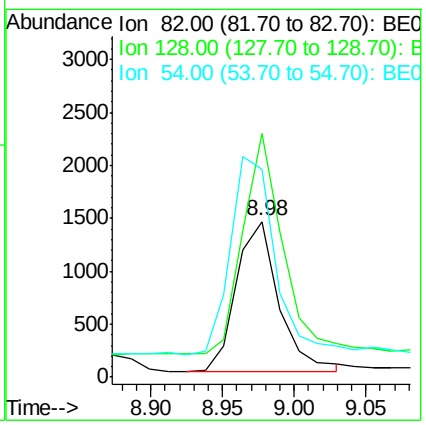


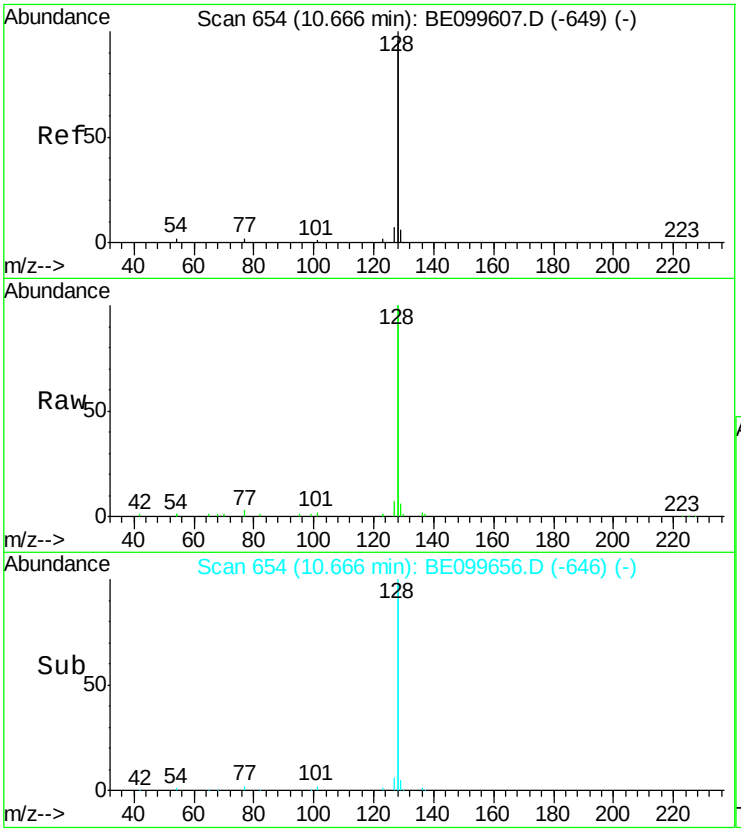


#8
Nitrobenzene-d5
Concen: 0.344 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion: 82 Resp: 2891

Ion	Ratio	Lower	Upper
82	100		
128	156.6	131.4	197.2
54	133.6	113.9	170.9



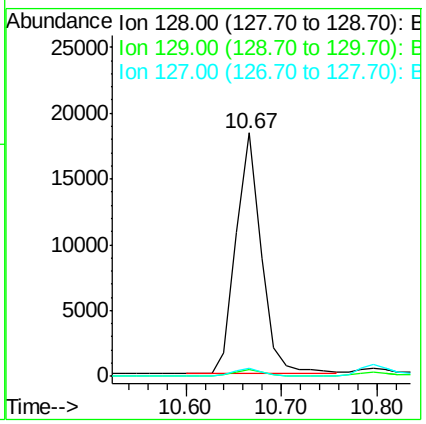


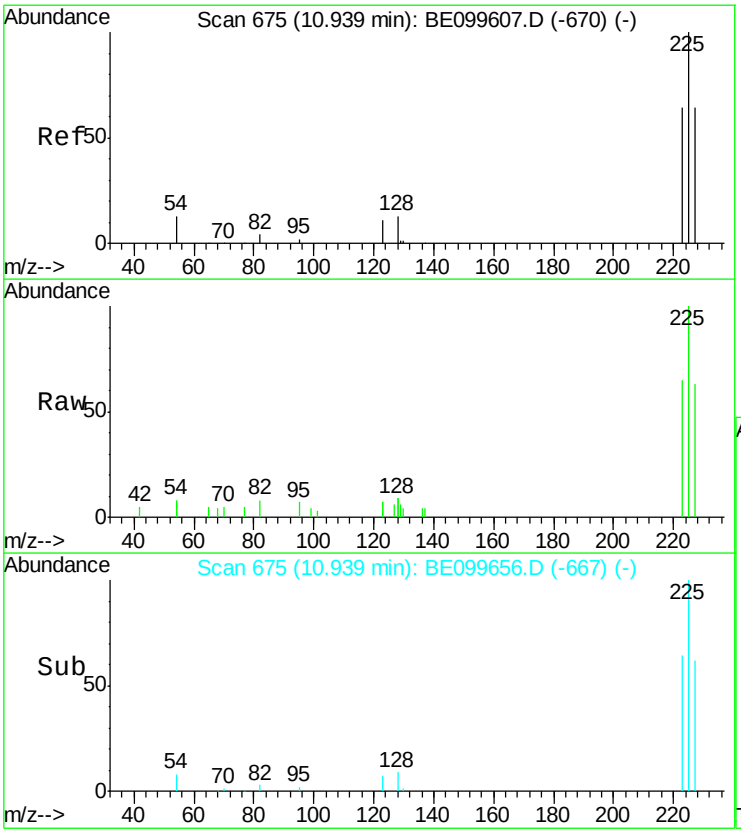
#9
Naphthalene
Concen: 0.362 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 33509

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	4.0
127	3.4	3.0	4.6

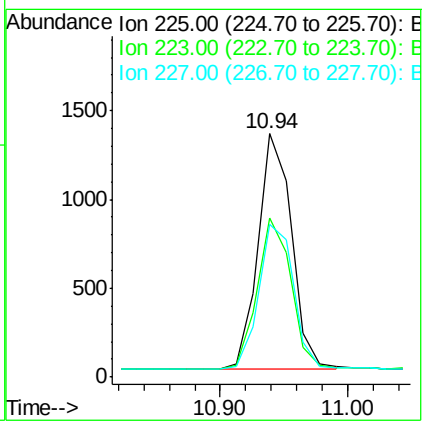


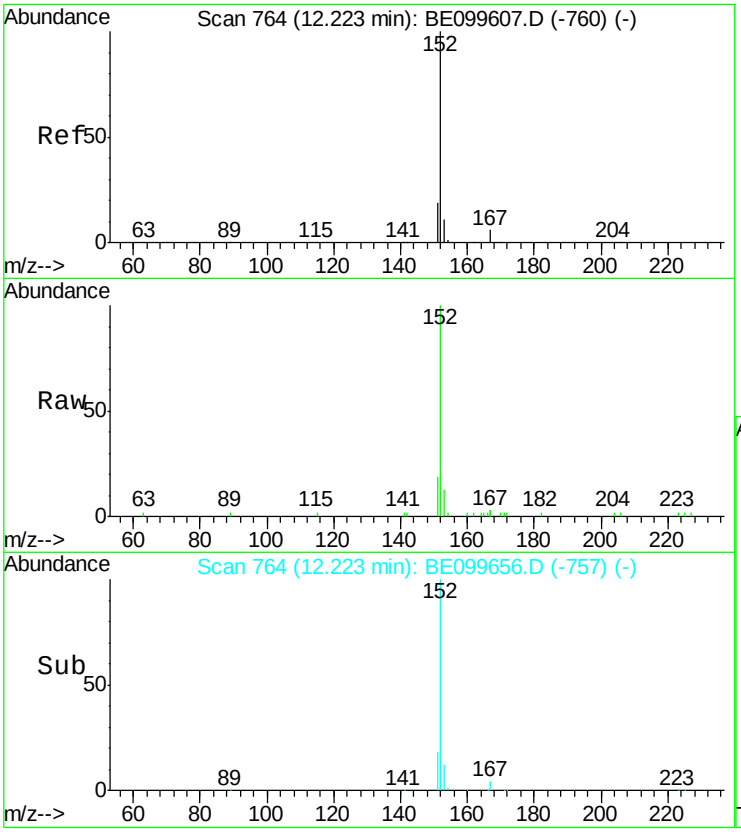


#10
Hexachlorobutadiene
Concen: 0.355 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:225 Resp: 2403

Ion	Ratio	Lower	Upper
225	100		
223	64.8	49.8	74.8
227	64.5	51.2	76.8



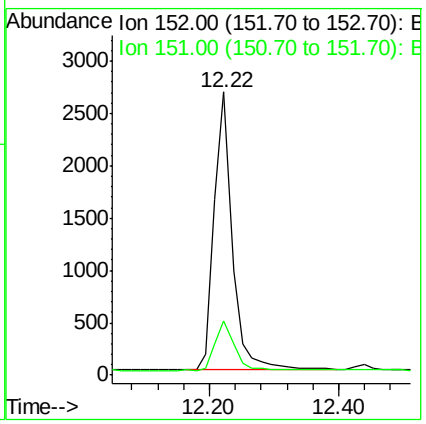


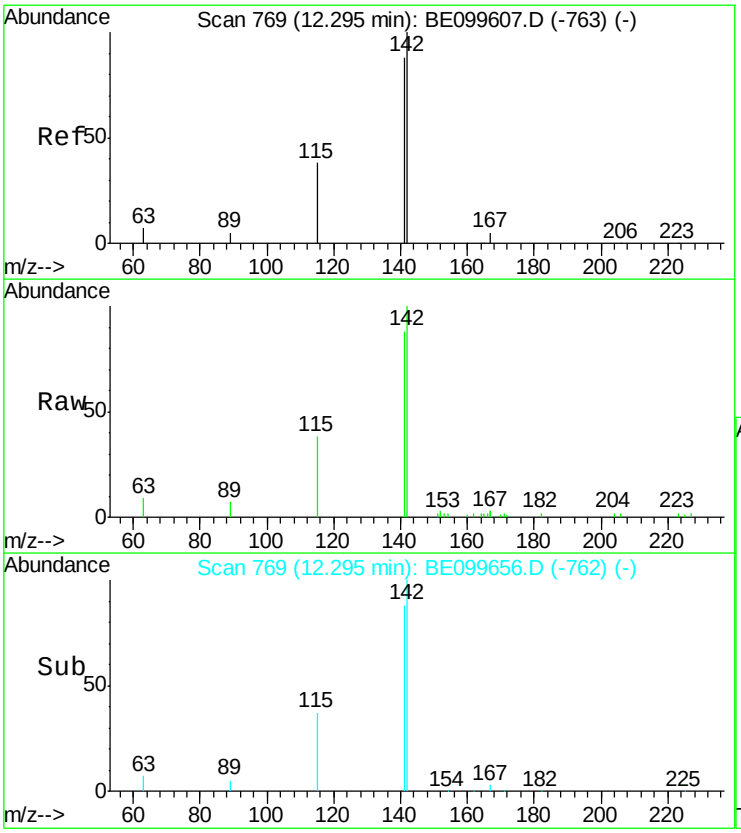
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5240

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.3	22.9

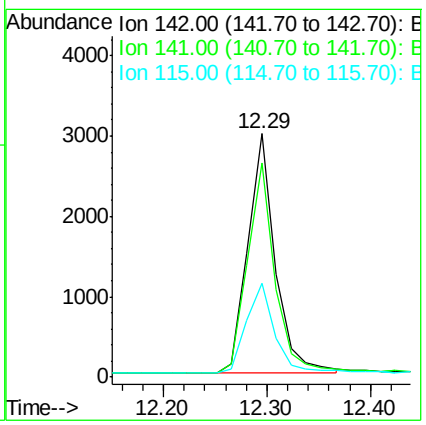


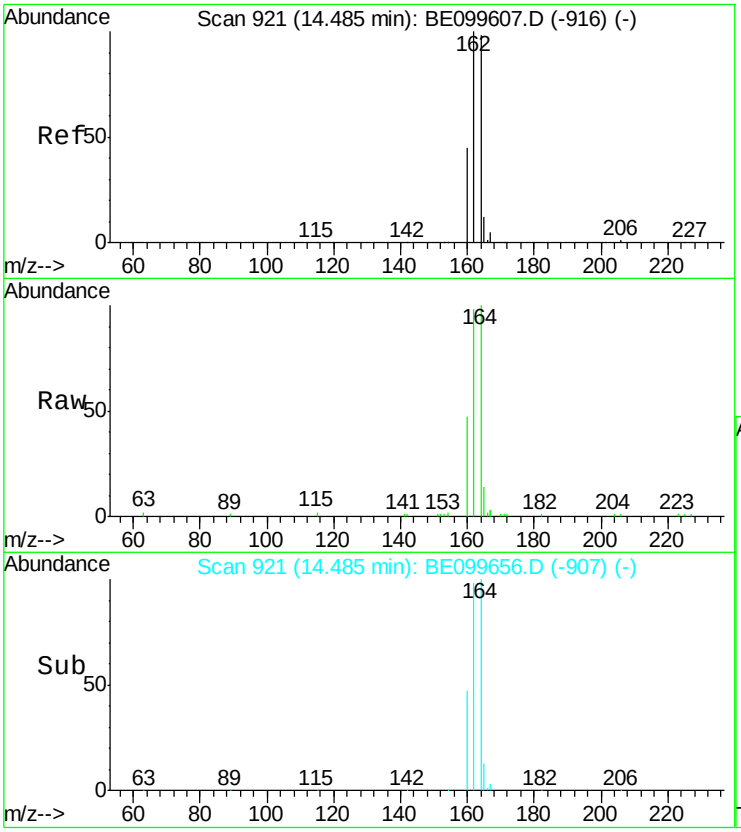


#12
2-Methylnaphthalene
Concen: 0.360 ng
RT: 12.29 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:142 Resp: 5496

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	38.5	32.2	48.4



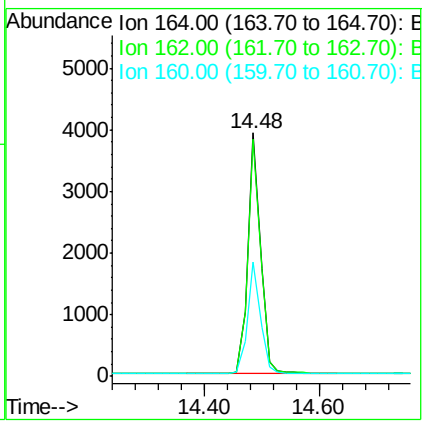


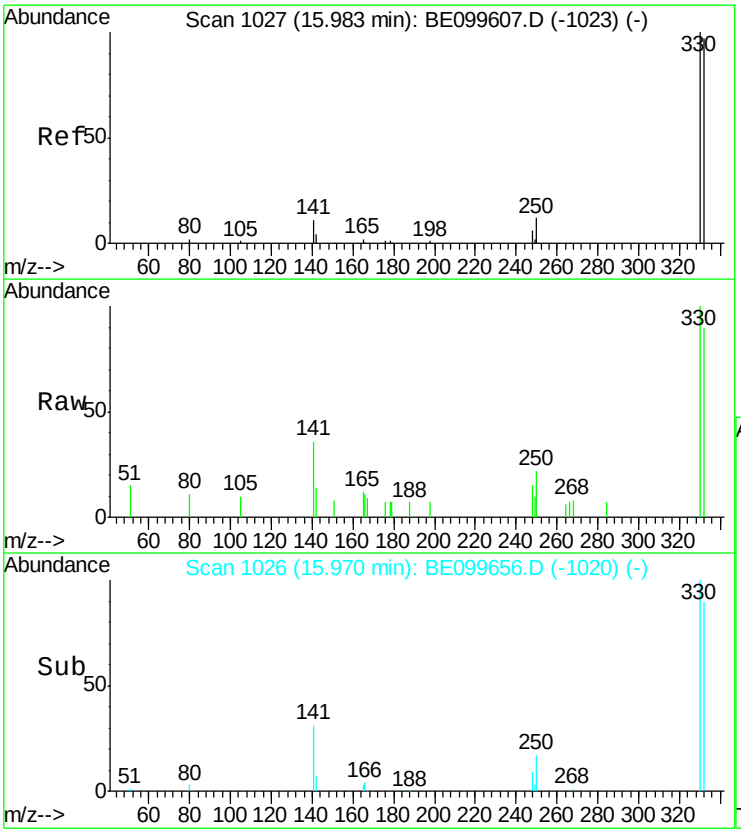
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 6029

Ion	Ratio	Lower	Upper
164	100		
162	97.7	81.4	122.0
160	47.2	37.4	56.2

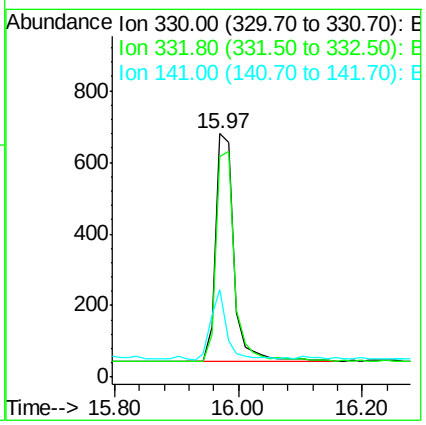


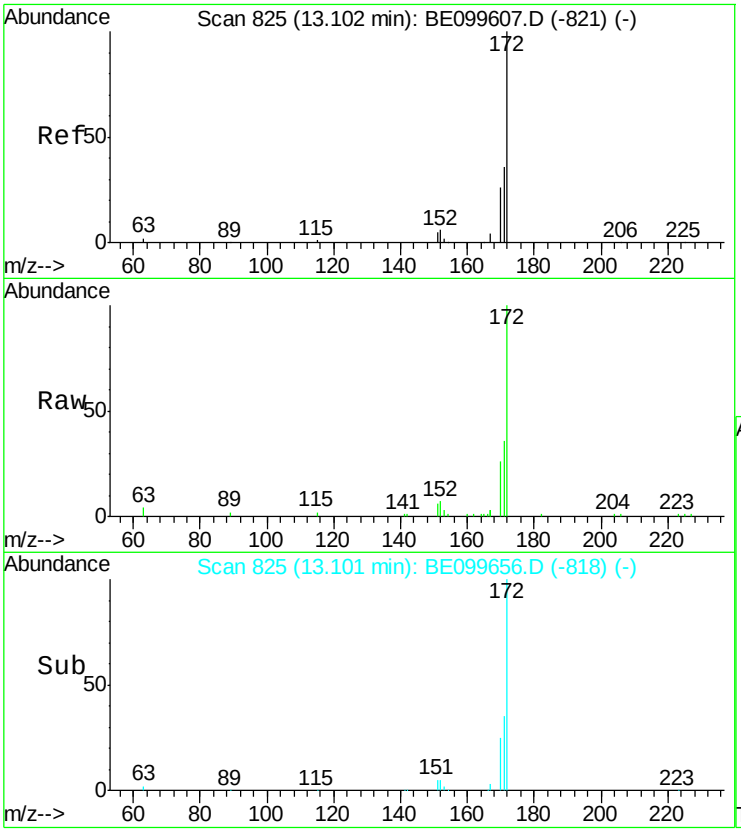


#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:330 Resp: 1289

Ion	Ratio	Lower	Upper
330	100		
332	96.2	73.8	110.8
141	27.4	21.0	31.6



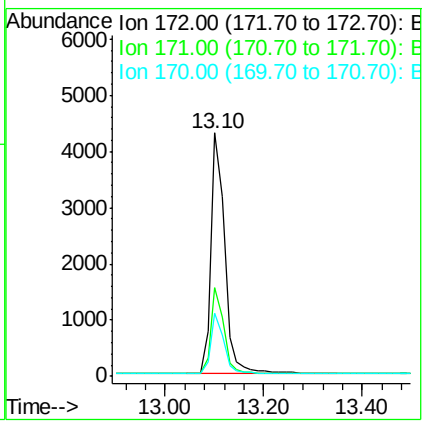


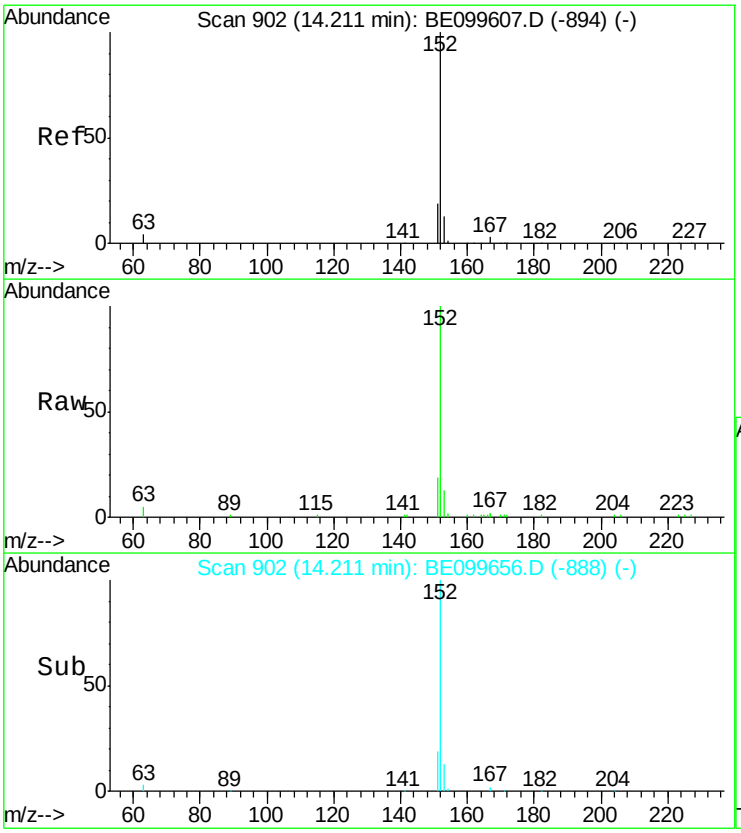
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 8259

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	25.9	21.5	32.3

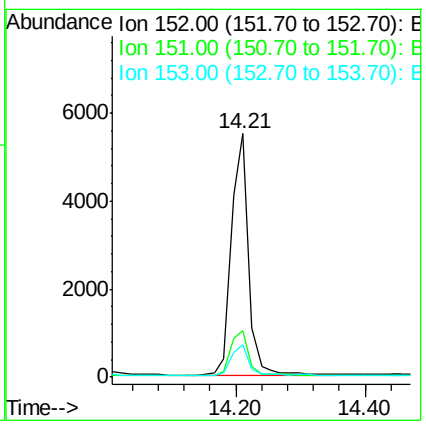


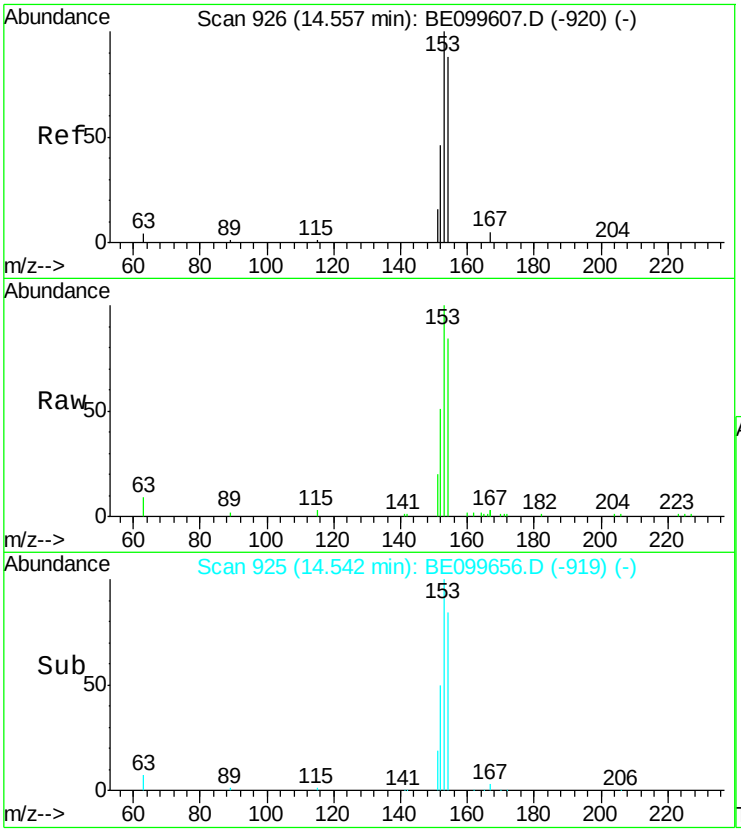


#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:152 Resp: 10007

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	12.7	10.4	15.6



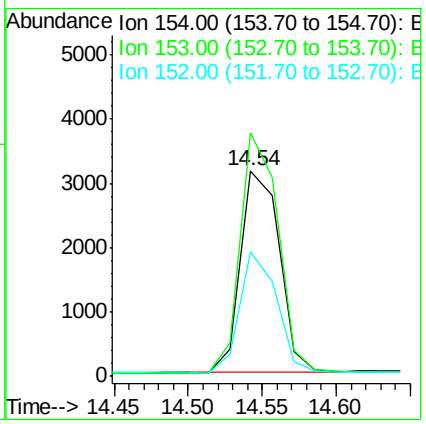


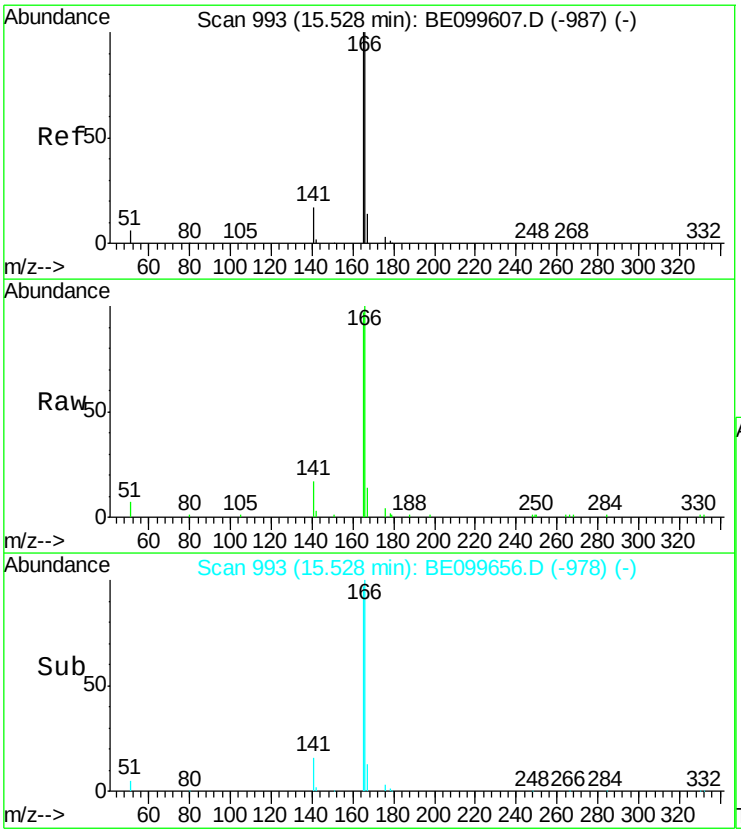
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5755

Ion	Ratio	Lower	Upper
154	100		
153	115.8	94.1	141.1
152	56.9	46.5	69.7

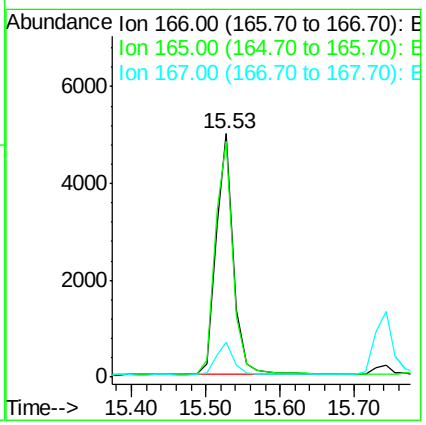


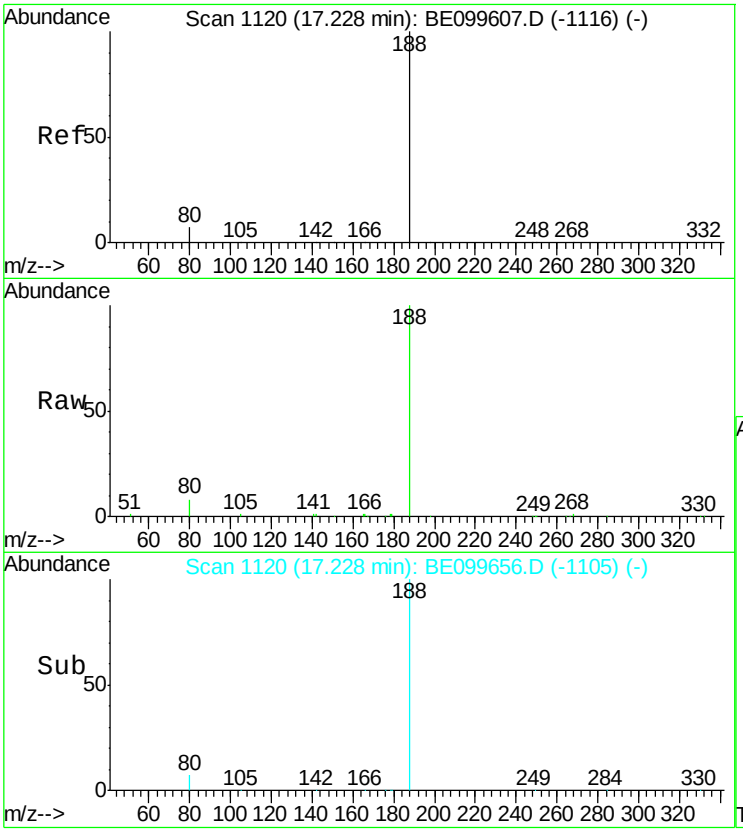


#18
Fluorene
Concen: 0.356 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:166 Resp: 8202

Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	13.7	11.2	16.8



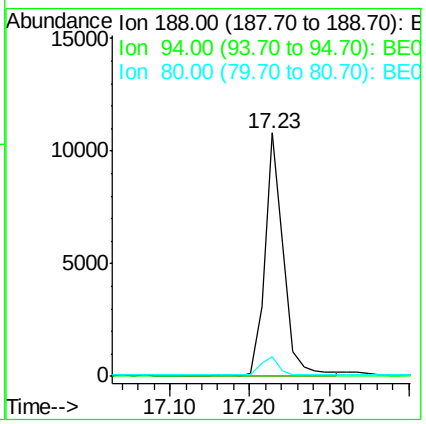


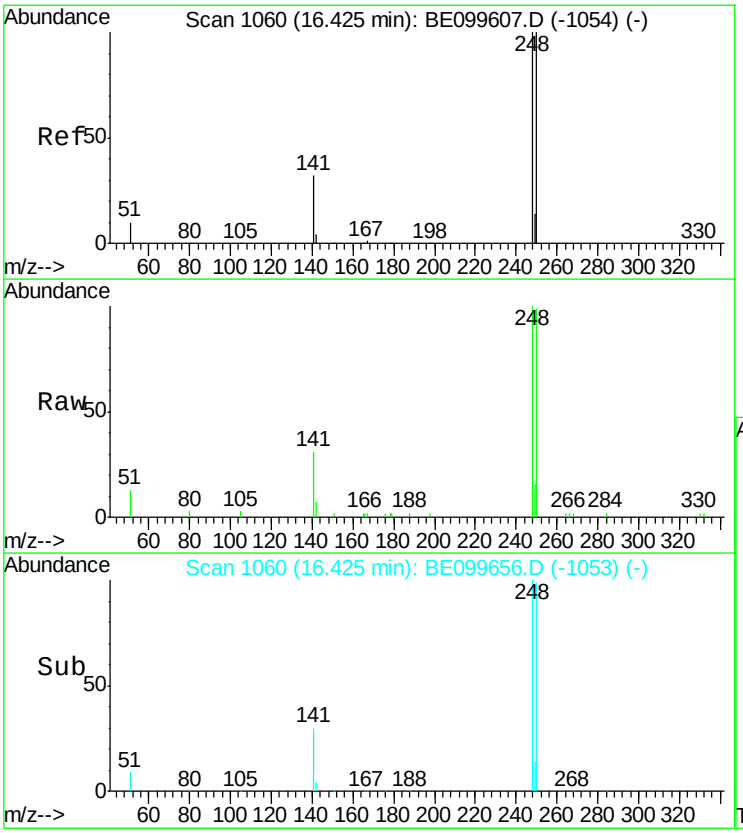
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 17403

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	6.4	9.6

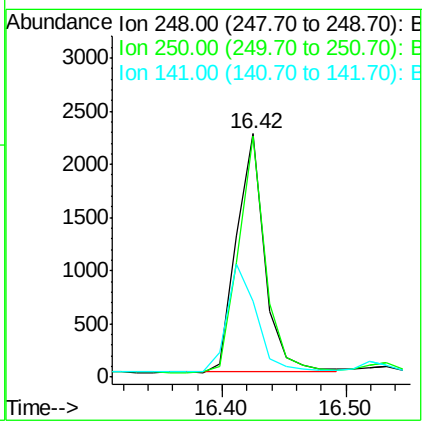


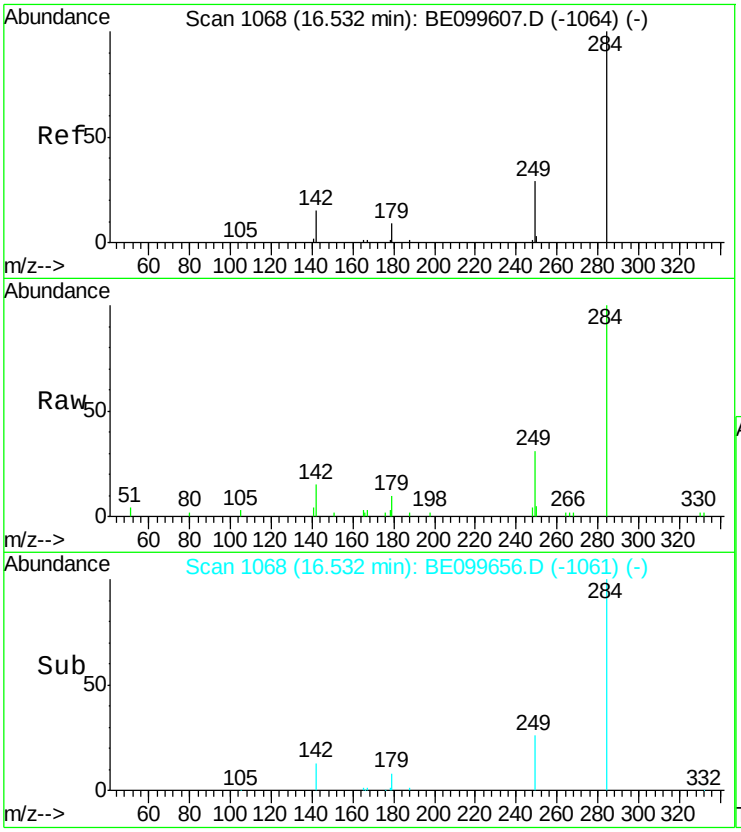


#20
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:248 Resp: 3563

Ion	Ratio	Lower	Upper
248	100		
250	99.0	80.4	120.6
141	31.3	27.8	41.8



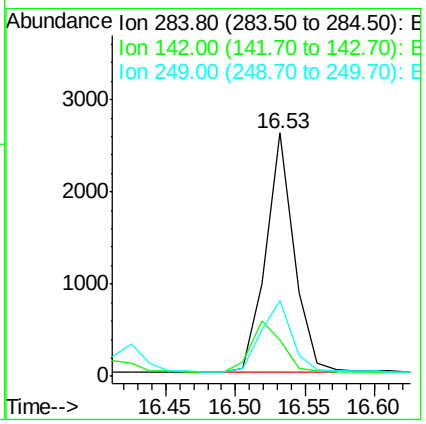


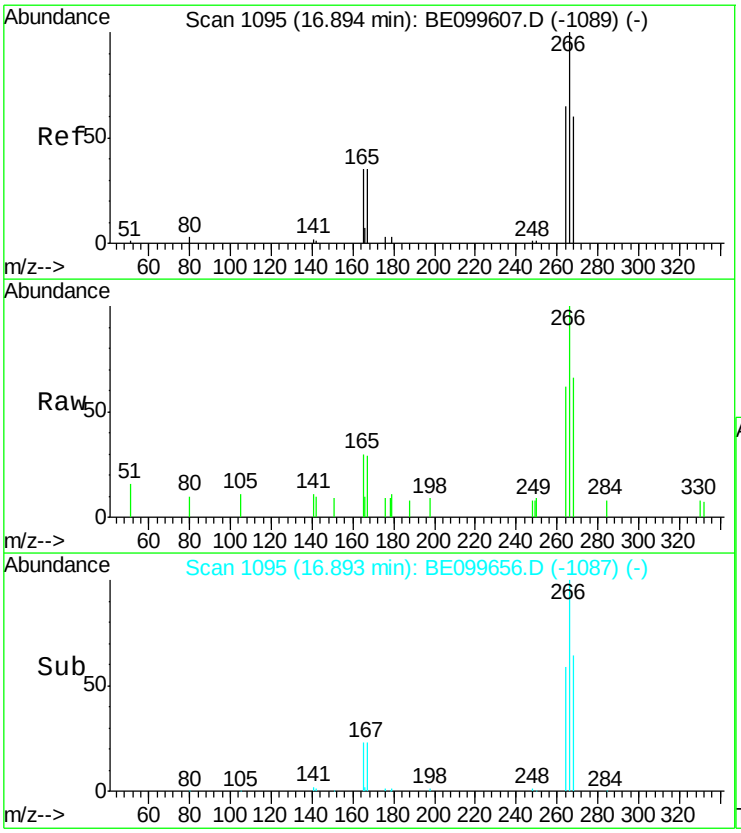
#21
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 3680

Ion	Ratio	Lower	Upper
284	100		
142	23.2	19.4	29.2
249	31.8	24.6	37.0

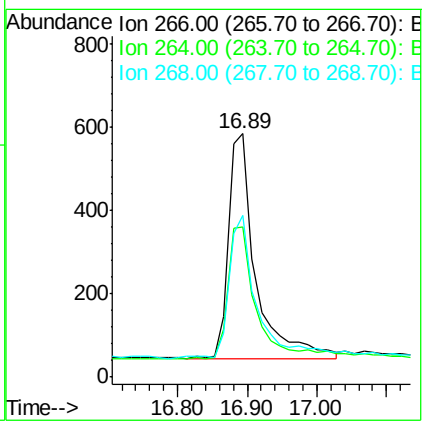


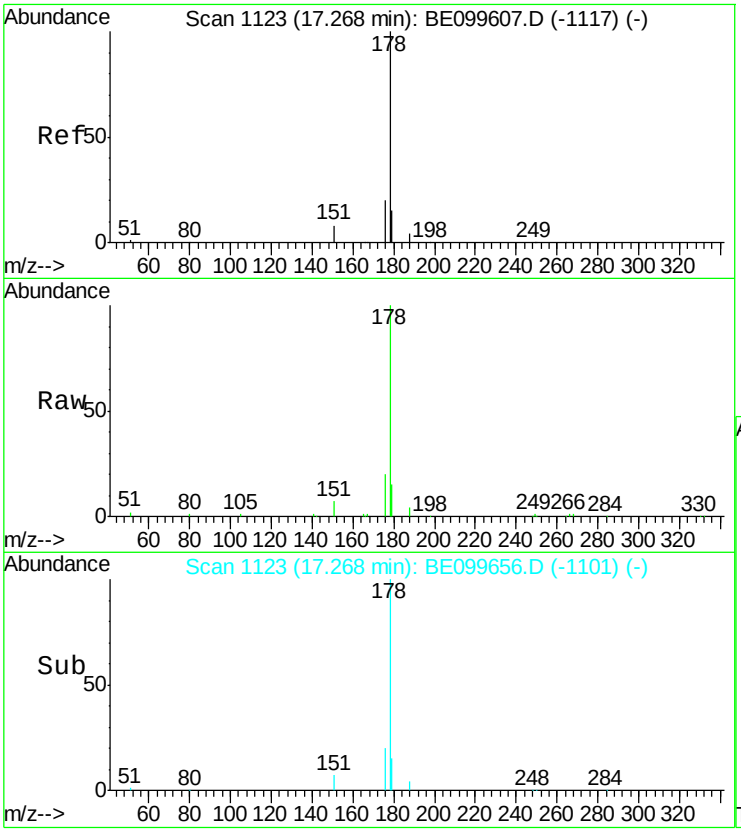


#22
Pentachlorophenol
Concen: 0.529 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:266 Resp: 1454

Ion	Ratio	Lower	Upper
266	100		
264	61.9	57.7	86.5
268	66.3	55.8	83.8



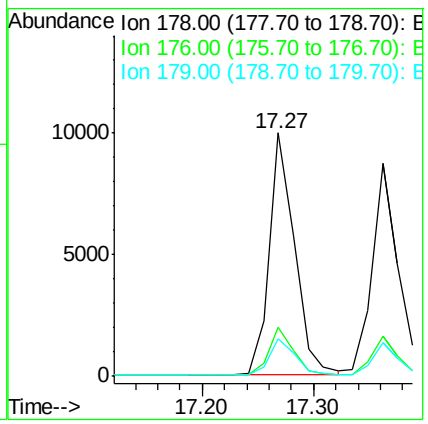


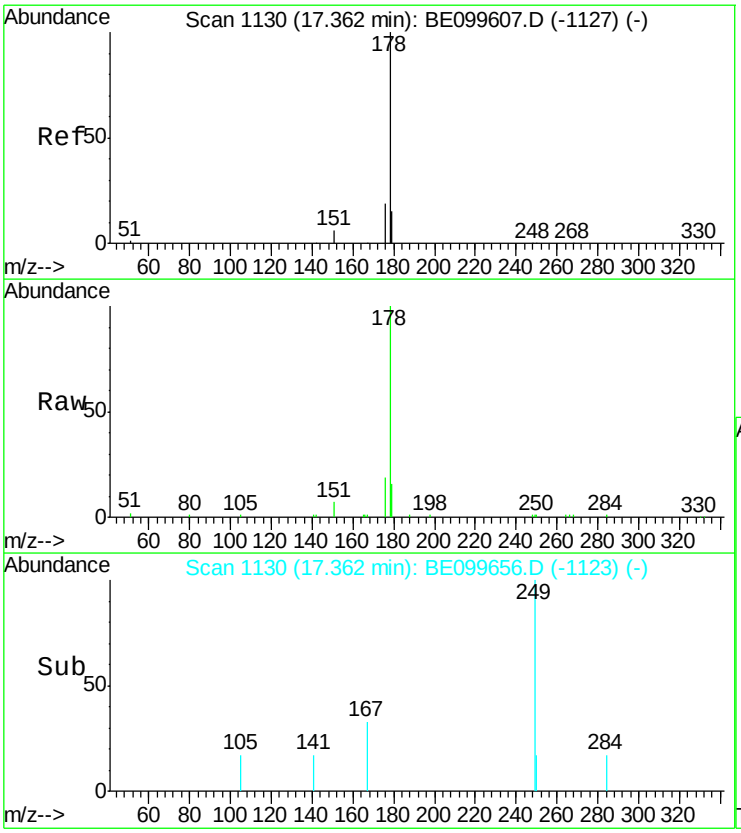
#23
Phenanthrene
Concen: 0.364 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 15718

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.1	12.2	18.2

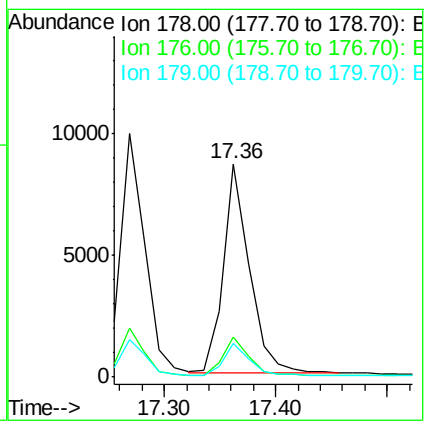


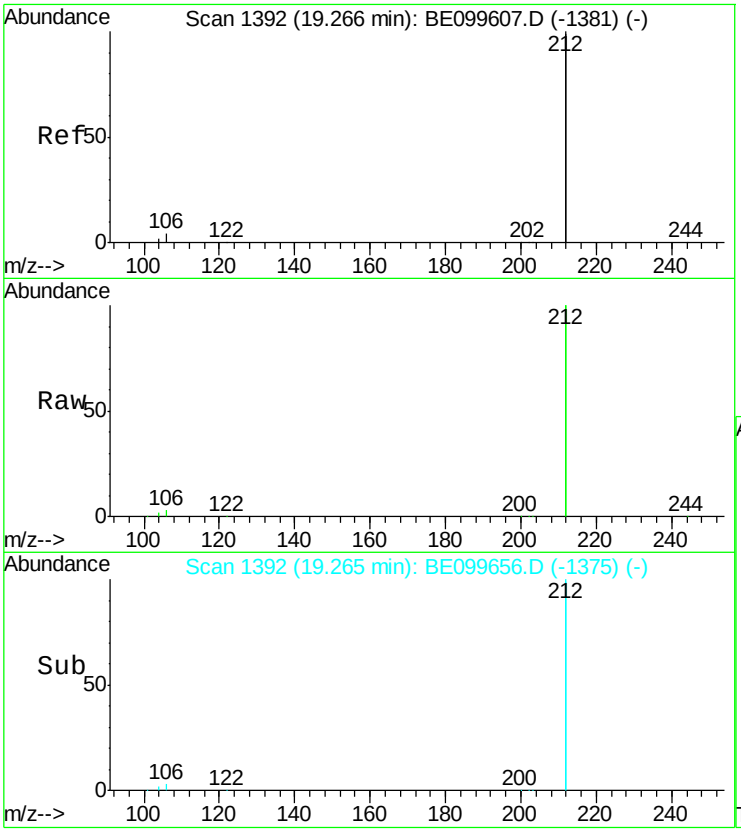


#24
Anthracene
Concen: 0.352 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:178 Resp: 14029

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.2	22.8
179	15.2	12.1	18.1



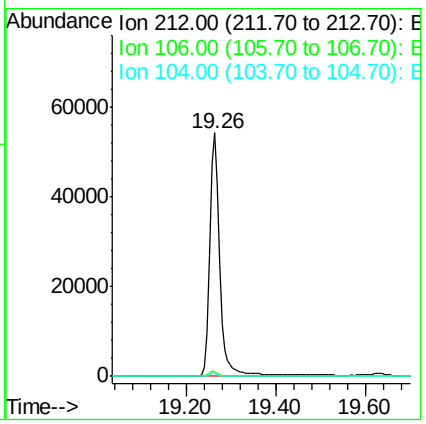


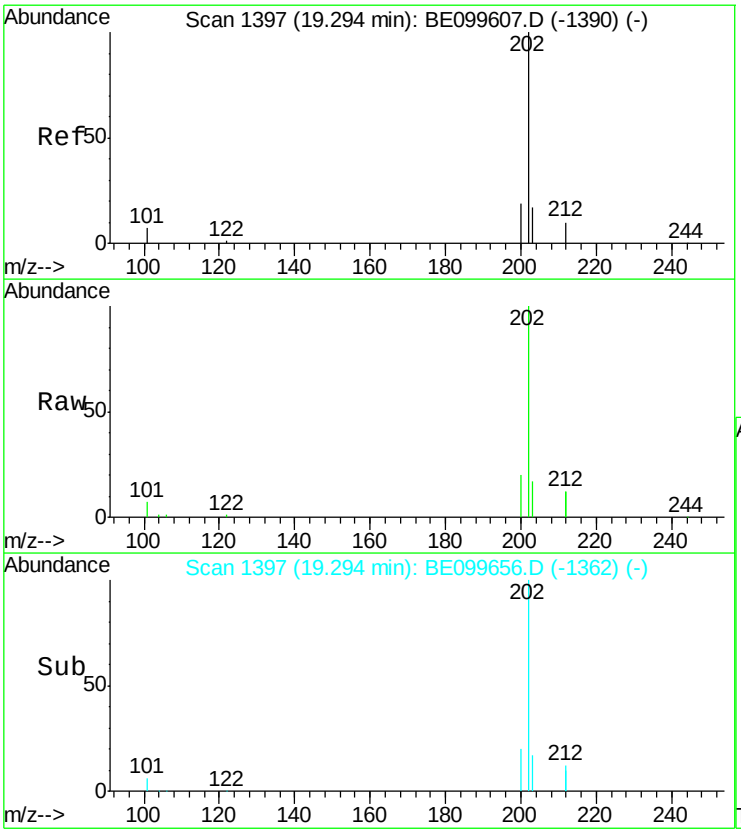
#25
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 83384

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.9	1.3

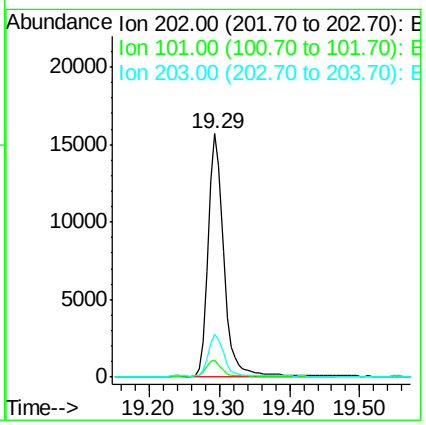


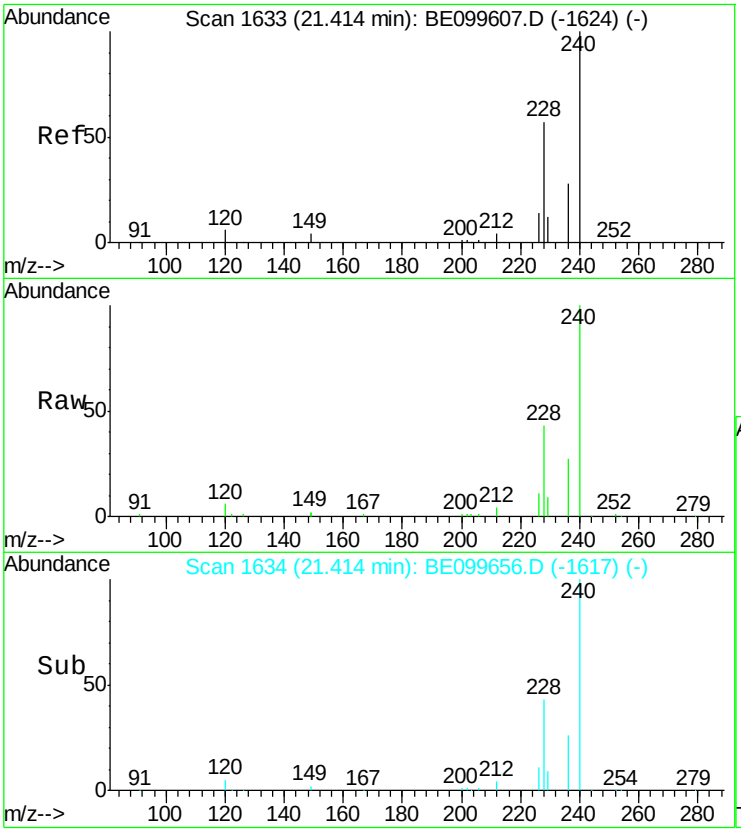


#26
Fluoranthene
Concen: 0.367 ng
RT: 19.29 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:202 Resp: 23987

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.0	7.6
203	17.2	13.7	20.5



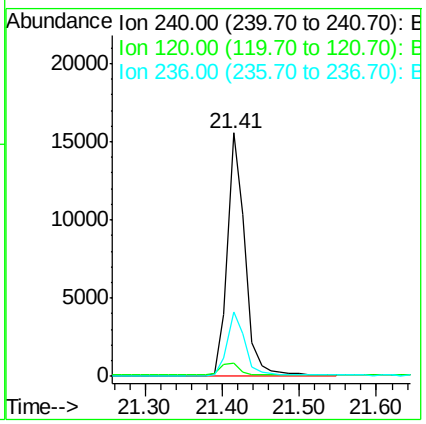


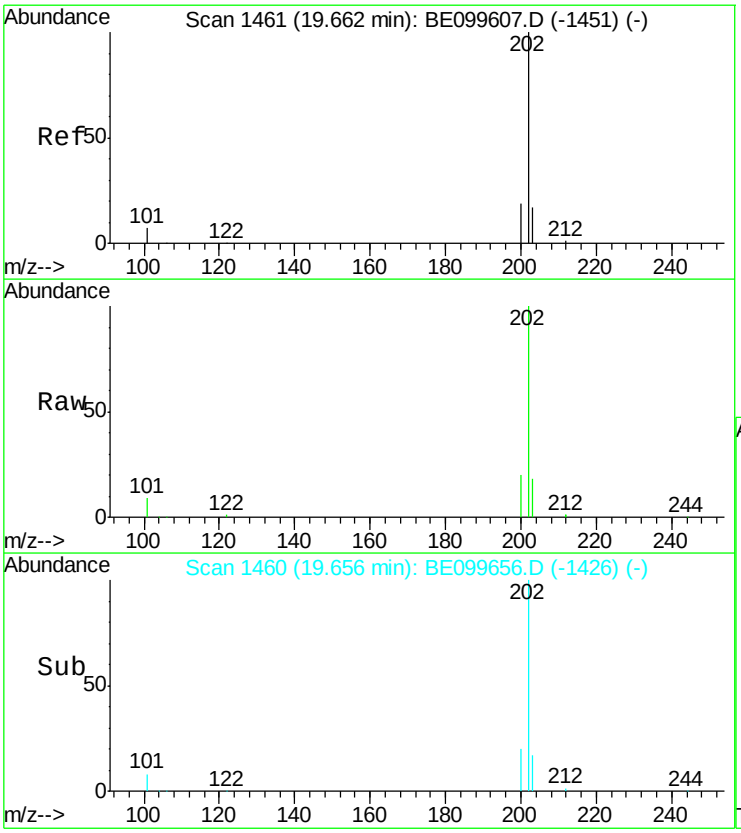
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 24466

Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.7	8.5#
236	26.7	22.8	34.2

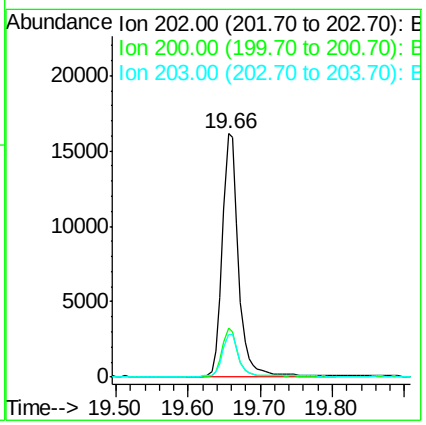


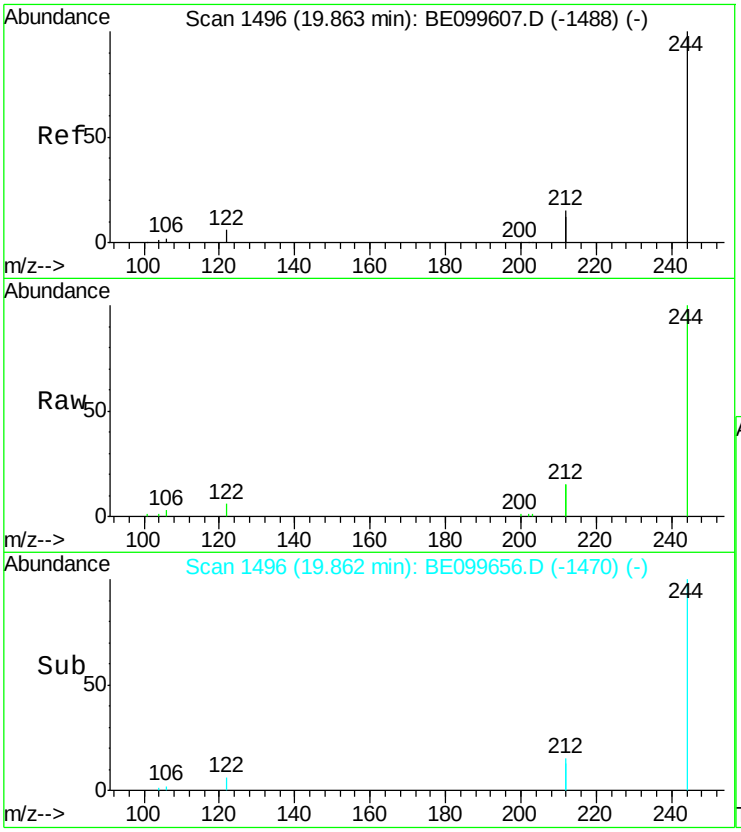


#28
Pyrene
Concen: 0.399 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:202 Resp: 24873

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.8	23.6
203	17.5	14.1	21.1



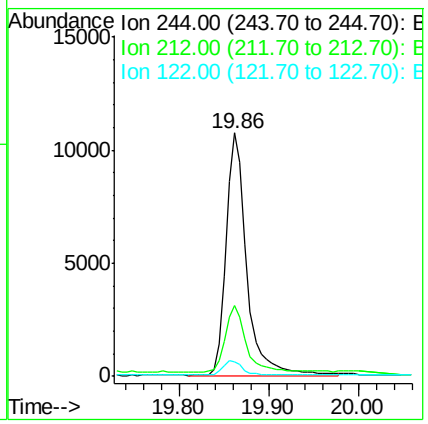


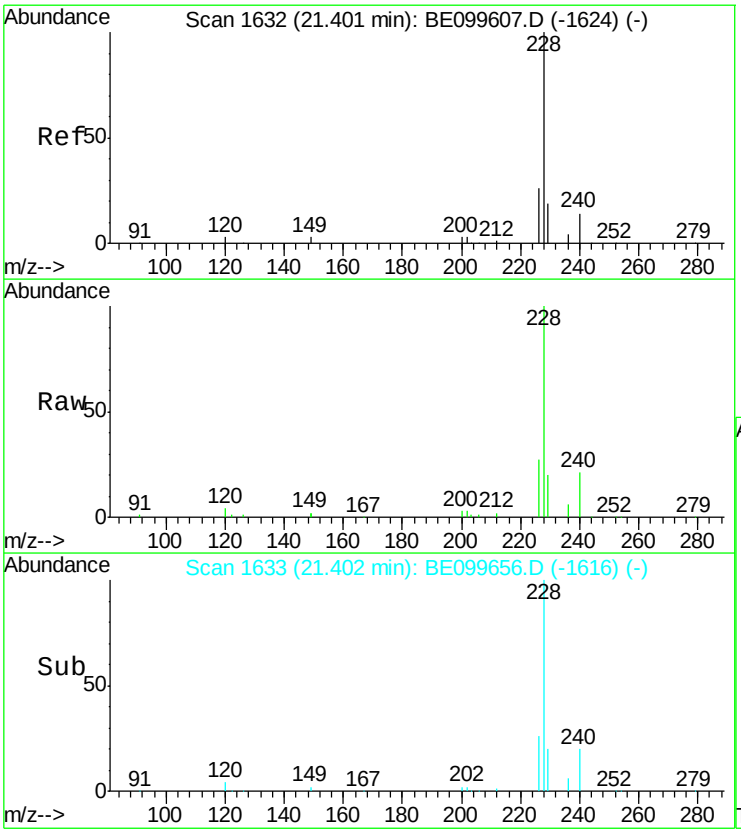
#29
Terphenyl-d14
Concen: 0.385 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 16963

Ion	Ratio	Lower	Upper
244	100		
212	29.0	23.8	35.6
122	6.2	5.0	7.6

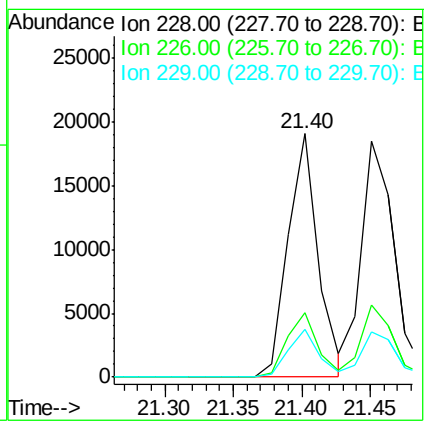


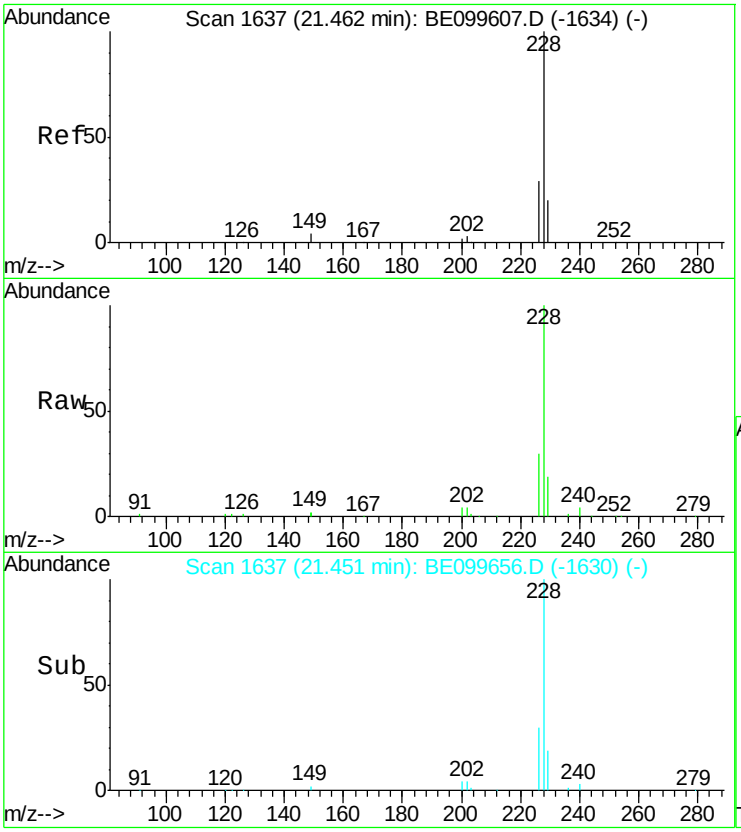


#30
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:228 Resp: 28714

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.9	15.8	23.8



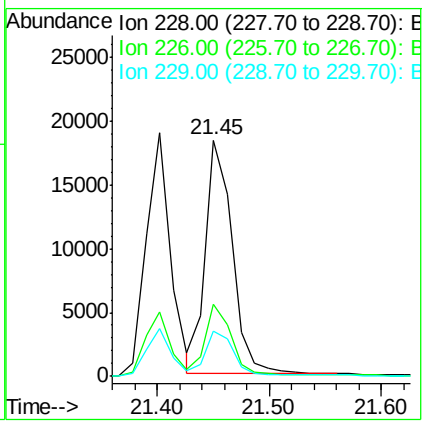


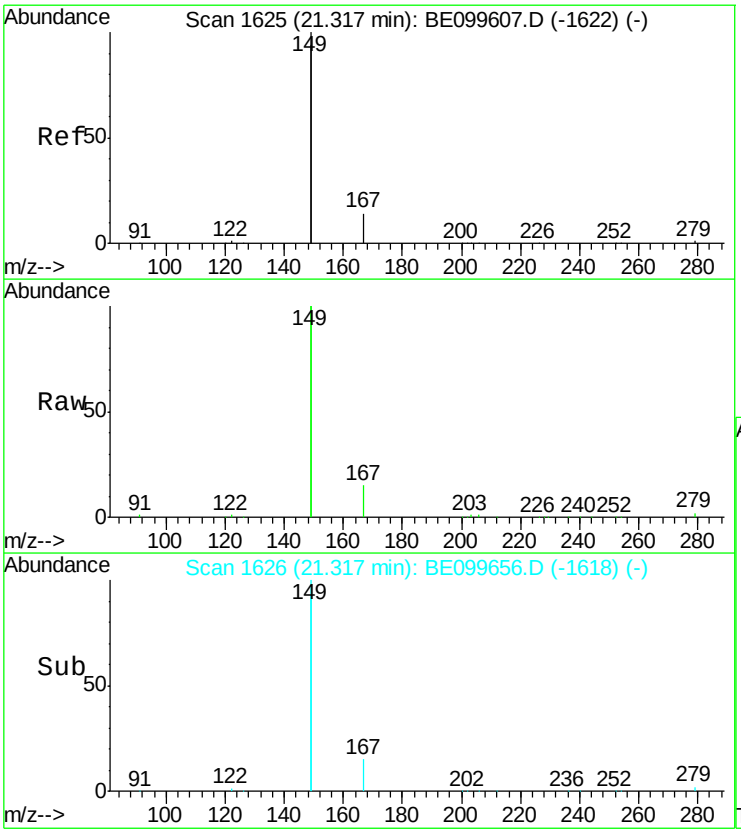
#31
Chrysene
Concen: 0.401 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 30513

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.0	34.4
229	19.1	16.4	24.6

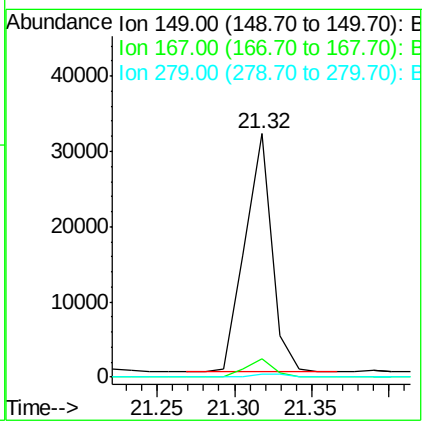


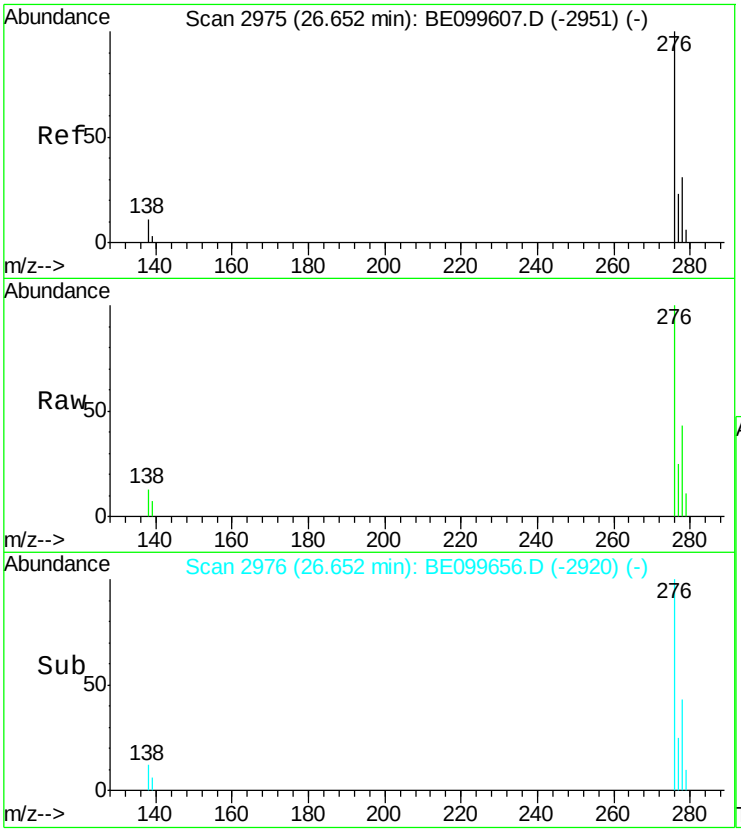


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.337 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:149 Resp: 38425

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.0	9.0
279	1.4	1.1	1.7



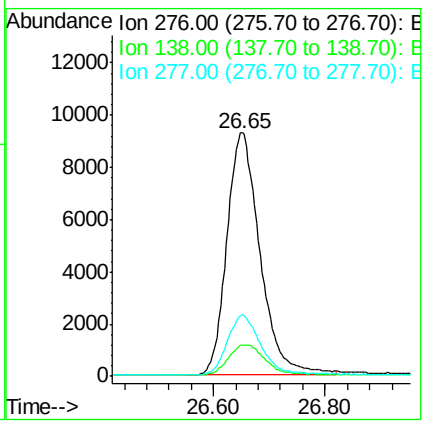


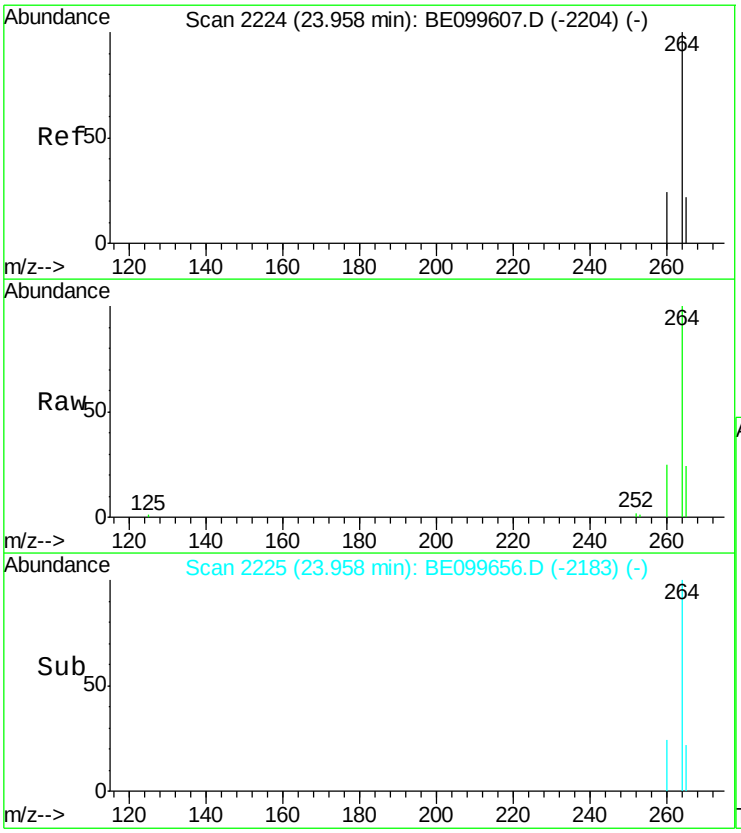
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.65 min Scan# 2976
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 38391

Ion	Ratio	Lower	Upper
276	100		
138	13.3	10.0	15.0
277	24.3	19.1	28.7

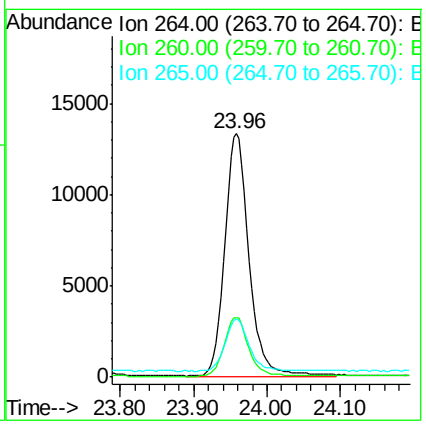


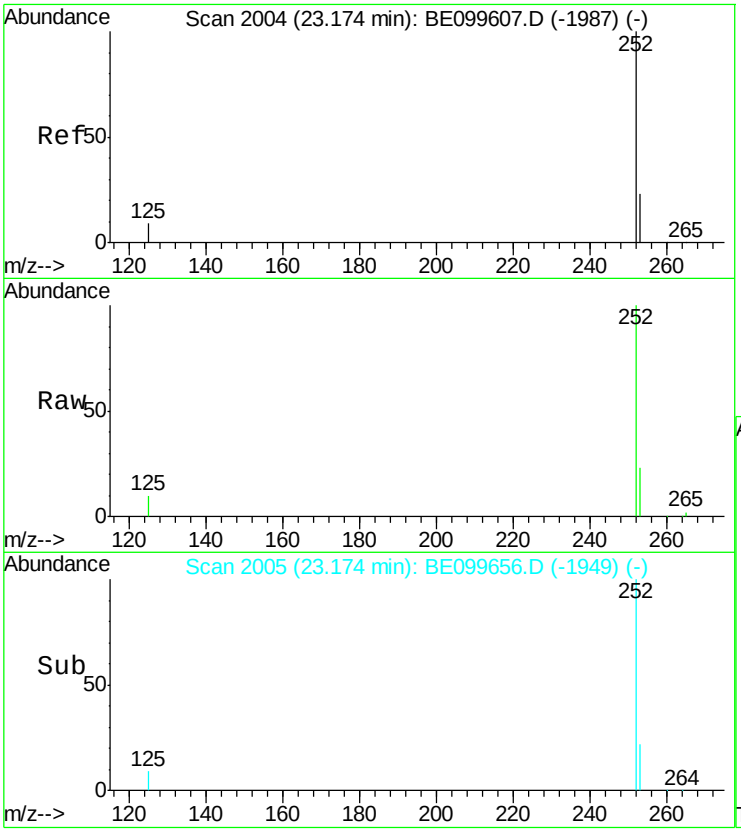


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:264 Resp: 30794

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	24.1	21.2	31.8



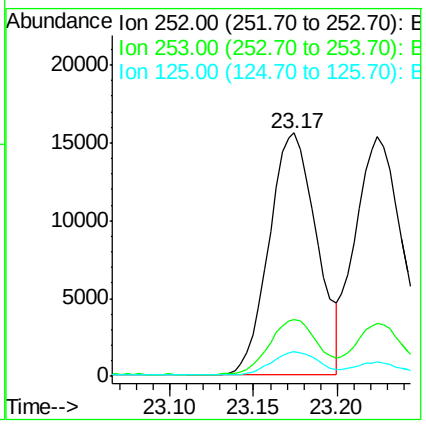


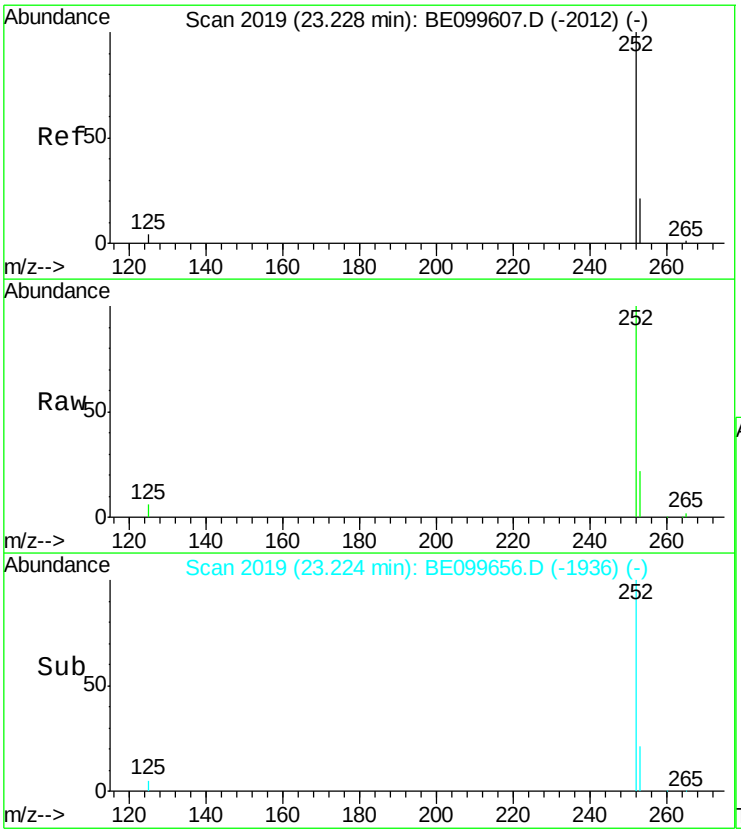
#35
Benzo(b)fluoranthene
Concen: 0.360 ng
RT: 23.17 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 30979

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.1	28.7
125	10.0	7.8	11.8

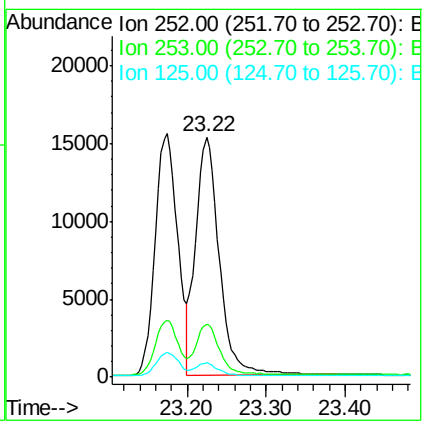


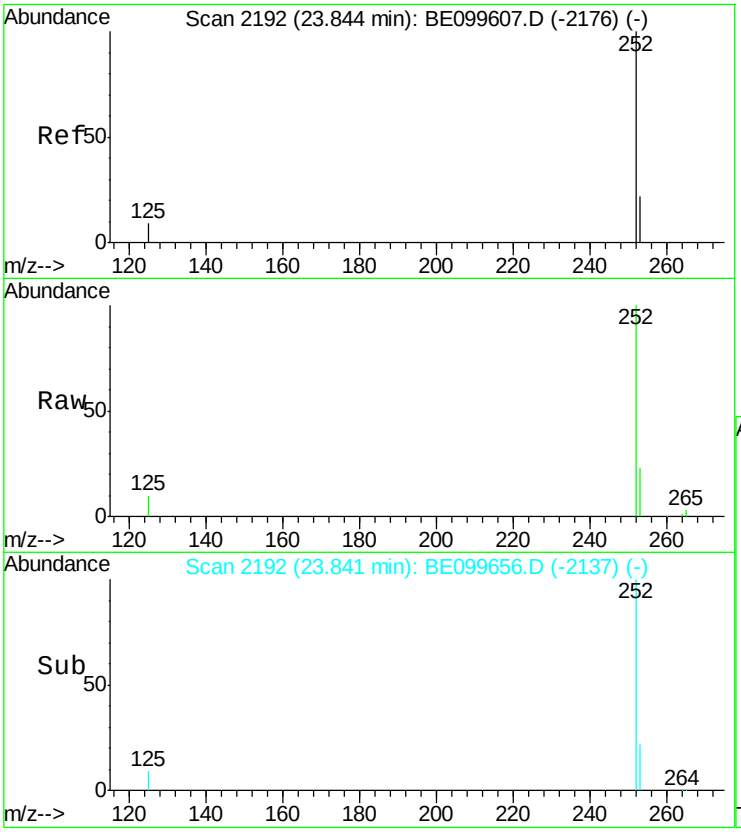


#36
Benzo(k)fluoranthene
Concen: 0.374 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:252 Resp: 31780

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	28.0
125	5.9	5.2	7.8



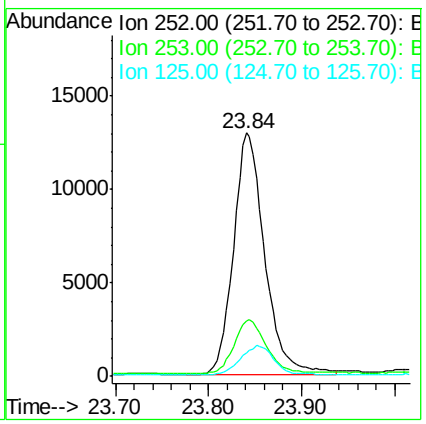


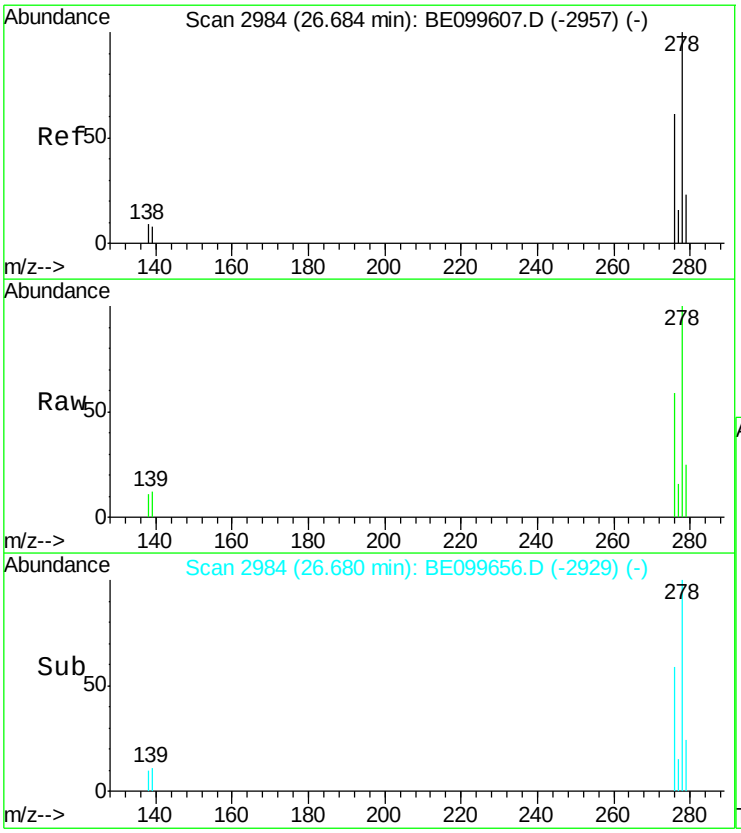
#37
Benzo(a)pyrene
Concen: 0.360 ng
RT: 23.84 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 30042

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.6
125	9.6	8.8	13.2

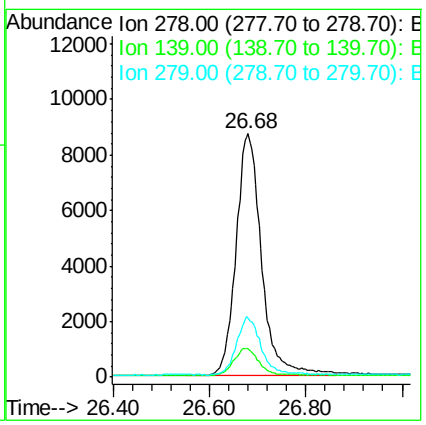


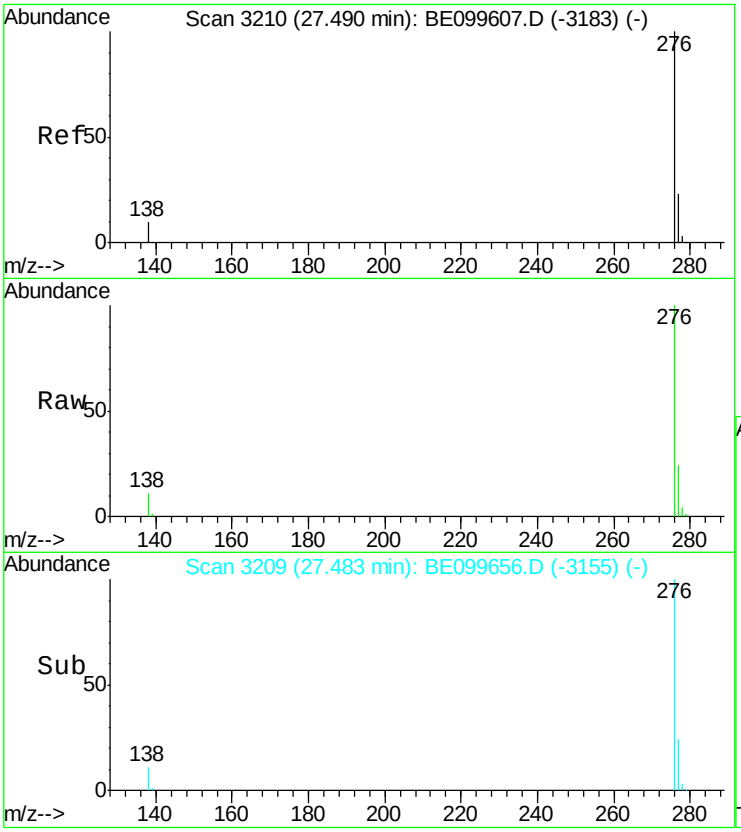


#38
Dibenzo(a,h)anthracene
Concen: 0.368 ng
RT: 26.68 min Scan# 2984
Delta R.T. -0.00 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Tgt Ion:278 Resp: 31837

Ion	Ratio	Lower	Upper
278	100		
139	11.8	7.9	11.9
279	24.6	19.5	29.3





#39
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 27.48 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE099656.D
Acq: 17 May 2019 17:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 31513

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.3	28.9
138	11.3	9.1	13.7