Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
Data File : BE099478.D
Acq On : 2 May 2019 00:22
Operator : JU/SJ
Sample : K2533-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-072-B156-042219

Quant Time: May 02 07:43:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	59	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	30	0.40	ng	0.00
13) Acenaphthene-d10	14.44	164	31	0.40	ng	-0.02
19) Phenanthrene-d10	17.19	188	61	0.40	ng	0.00
27) Chrysene-d12	21.37	240	95	0.40	ng	0.00
34) Perylene-d12	23.87	264	15	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	15	0.09	ng	0.00
5) Phenol-d6	6.98	99	16	0.07	ng	0.00
8) Nitrobenzene-d5	8.96	82	25	0.89	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	17	0.31	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	10	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	33	0.28	ng	-0.02
25) Fluoranthene-d10	19.22	212	174	0.21	ng	0.00
29) Terphenyl-d14	19.82	244	50	0.29	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	22	0.271	ng	# 1
3) n-Nitrosodimethylamine	3.65	42	25	0.511	ng	# 5
6) bis(2-Chloroethyl)ether	7.24	93	43	0.230	ng	# 10
9) Naphthalene	10.65	128	145	0.444	ng	# 43
10) Hexachlorobutadiene	10.91	225	6	0.264	ng	# 18
12) 2-Methylnaphthalene	12.27	142	17	0.299	ng	# 52
16) Acenaphthylene	14.14	152	50	0.330	ng	# 73
17) Acenaphthene	14.44	154	21	0.242	ng	# 3
18) Fluorene	15.49	166	13	0.102	ng	# 35
20) 4-Bromophenyl-phenylether	16.39	248	8	0.225	ng	# 63
22) Pentachlorophenol	16.84	266	24	1.394	ng	# 51
23) Phenanthrene	17.23	178	91	0.578	ng	# 45
24) Anthracene	17.32	178	18	0.120	ng	# 1
26) Fluoranthene	19.25	202	105	0.445	ng	# 78
28) Pyrene	19.61	202	87	0.351	ng	# 54
30) Benzo(a)anthracene	21.34	228	75	0.248	ng	# 1
31) Chrysene	21.39	228	33	0.111	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.26	149	949	2.151	ng	# 91
33) Indeno(1,2,3-cd)pyrene	26.52	276	21	0.060	ng	# 2
35) Benzo(b)fluoranthene	23.09	252	38	0.879	ng	# 1
36) Benzo(k)fluoranthene	23.13	252	15	0.360	ng	# 1
37) Benzo(a)pyrene	23.74	252	51	1.247	ng	# 1
38) Dibenzo(a,h)anthracene	26.52	278	17	0.406	ng	# 1
39) Benzo(g,h,i)perylene	27.32	276	24	0.573	ng	# 1

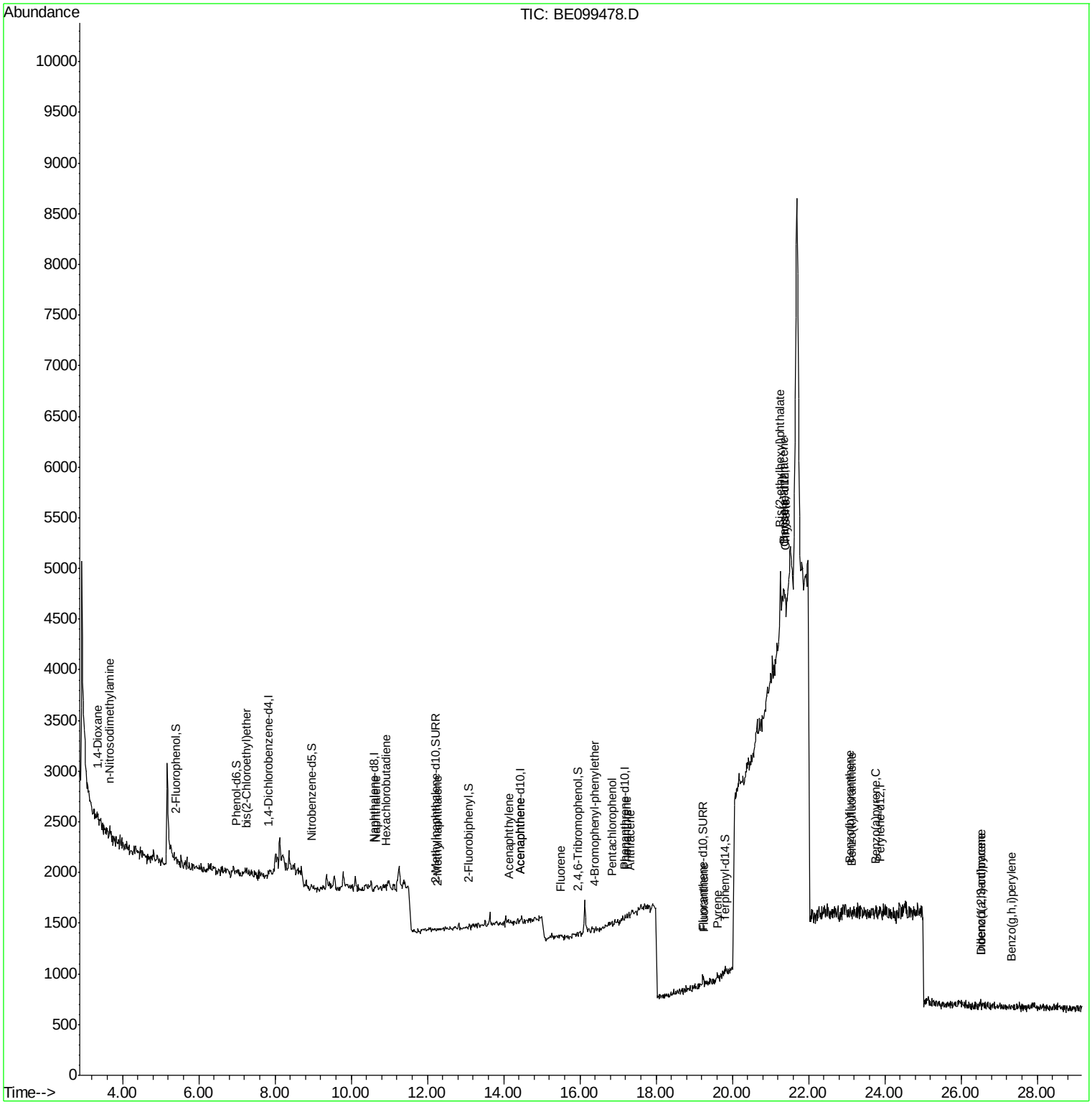
(#) = qualifier out of range (m) = manual integration (+) = signals summed

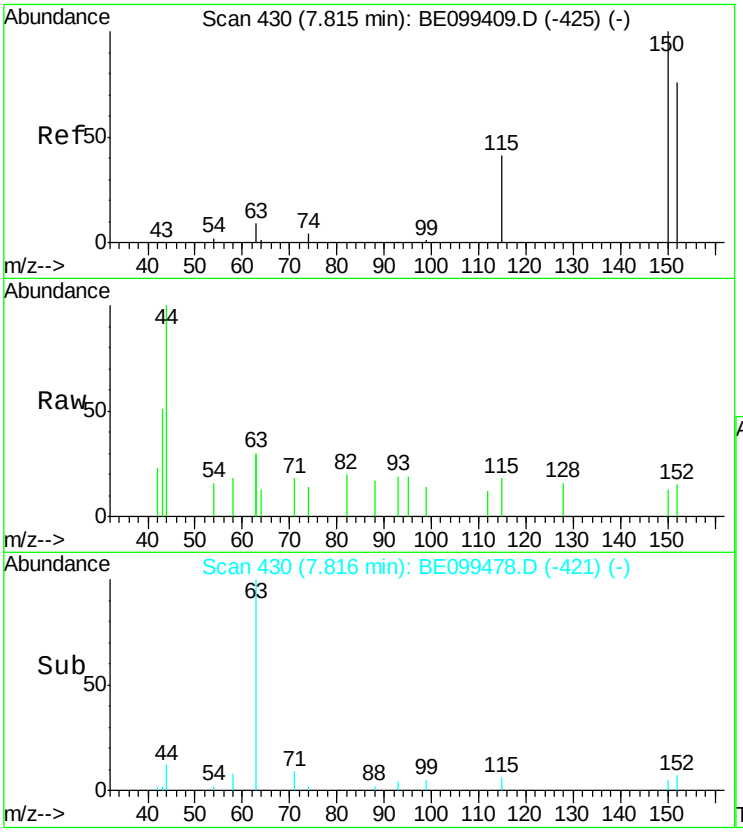
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
Data File : BE099478.D
Acq On : 2 May 2019 00:22
Operator : JU/SJ
Sample : K2533-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Quant Time: May 02 07:43:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration



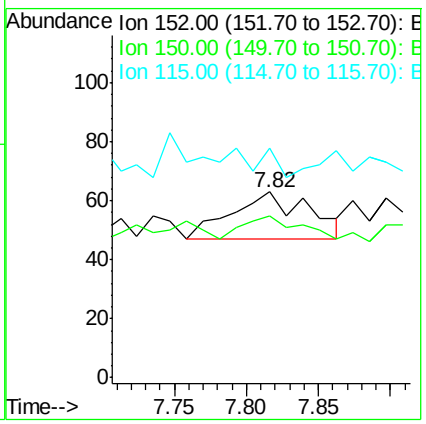


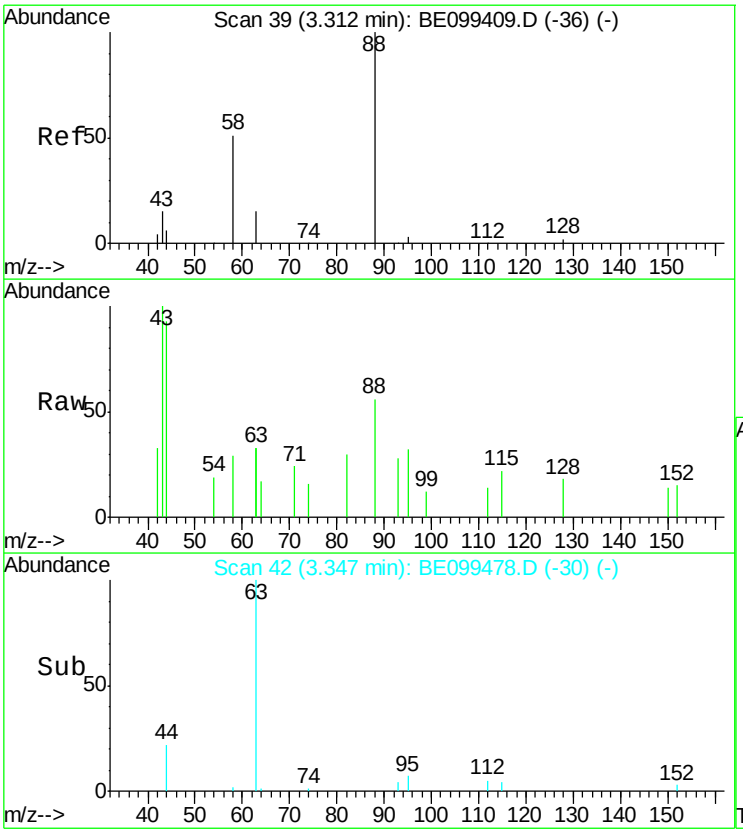
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:152 Resp: 59

Ion	Ratio	Lower	Upper
152	100		
150	87.3	104.8	157.2#
115	123.8	46.6	69.8#

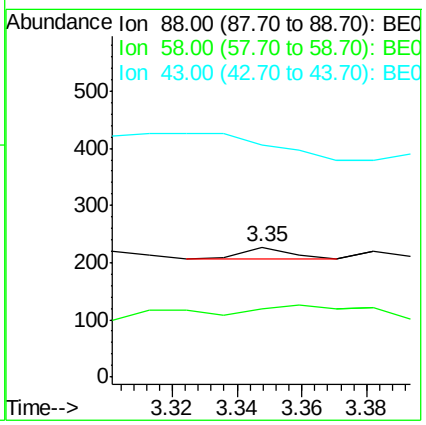


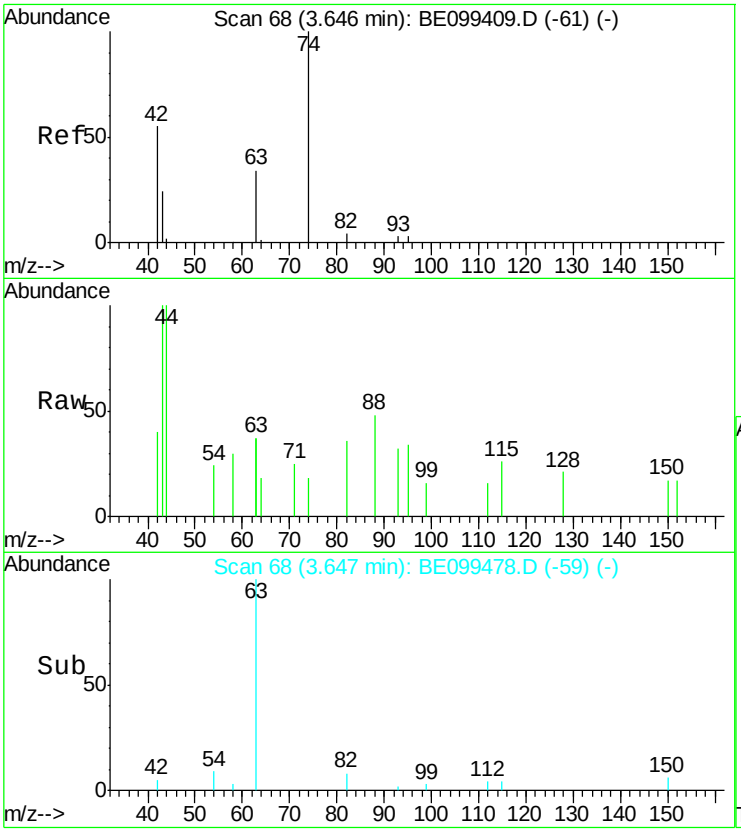


#2
1,4-Dioxane
Concen: 0.271 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.04 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion: 88 Resp: 22

Ion	Ratio	Lower	Upper
88	100		
58	331.8	51.0	76.6#
43	0.0	20.6	30.8#



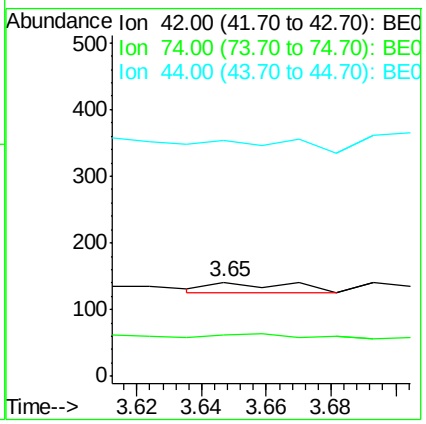


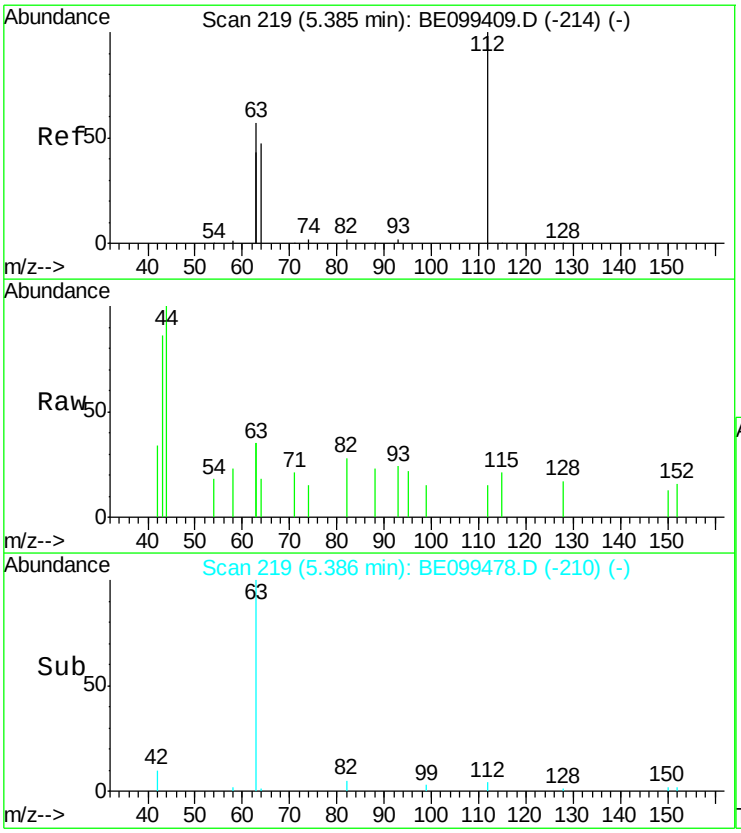
#3
n-Nitrosodimethylamine
Concen: 0.511 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion: 42 Resp: 25

Ion	Ratio	Lower	Upper
42	100		
74	44.0	141.6	212.4#
44	0.0	0.0	0.0

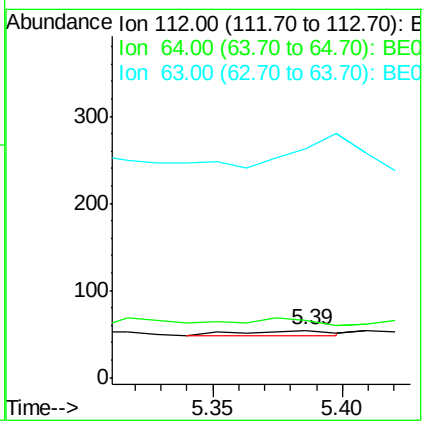


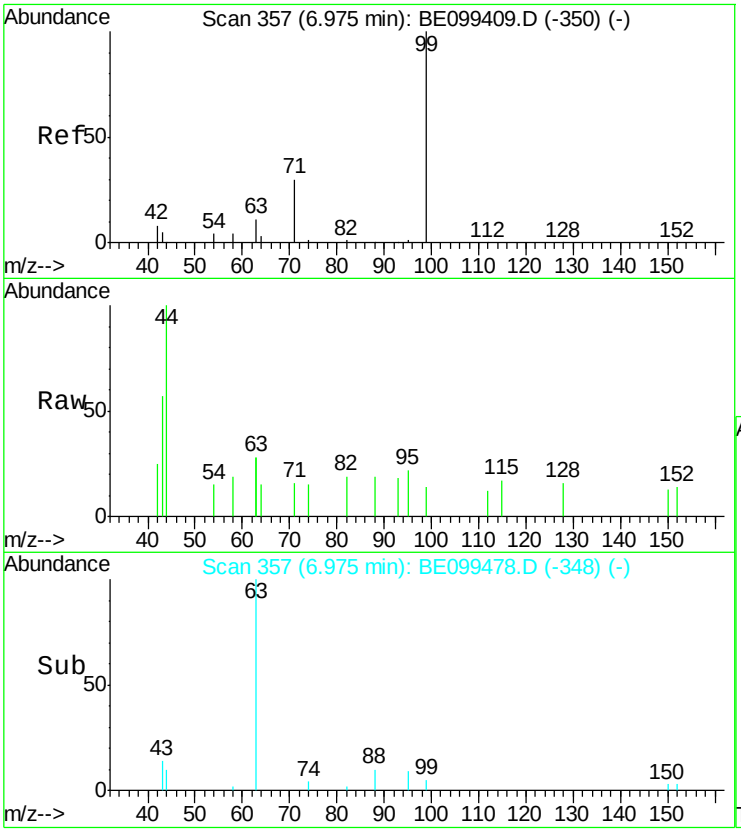


#4
2-Fluorophenol
Concen: 0.092 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:112 Resp: 15

Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.4	71.0#
63	460.0	104.3	156.5#



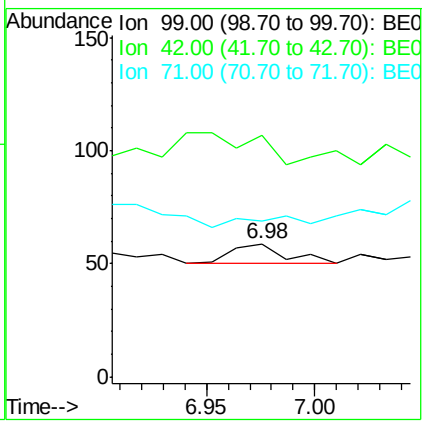


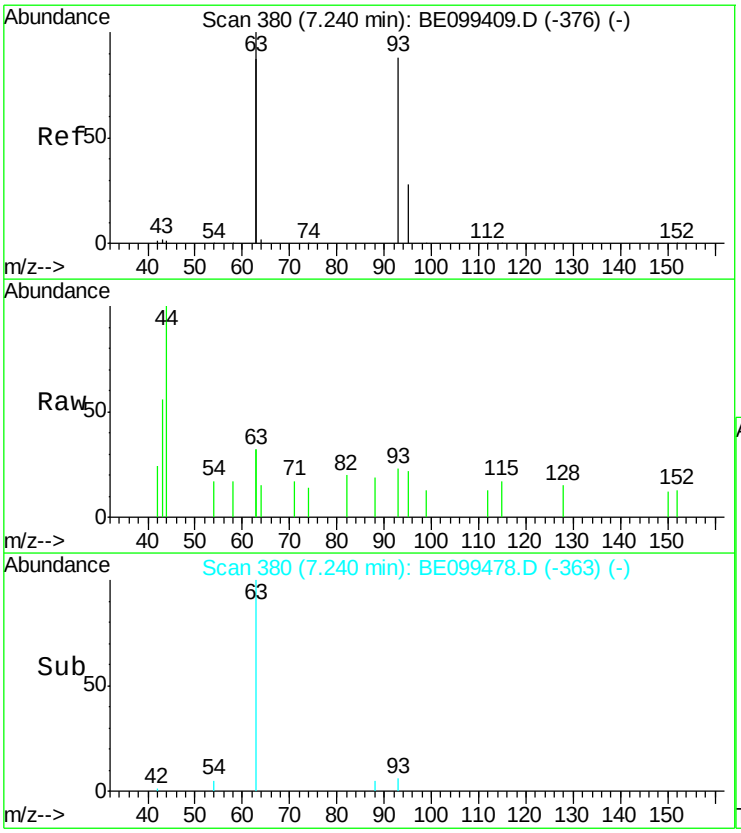
#5
Phenol-d6
Concen: 0.074 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion: 99 Resp: 16

Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.9	22.3#
71	0.0	33.0	49.6#

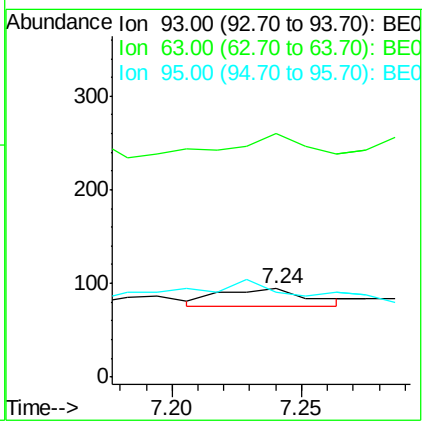


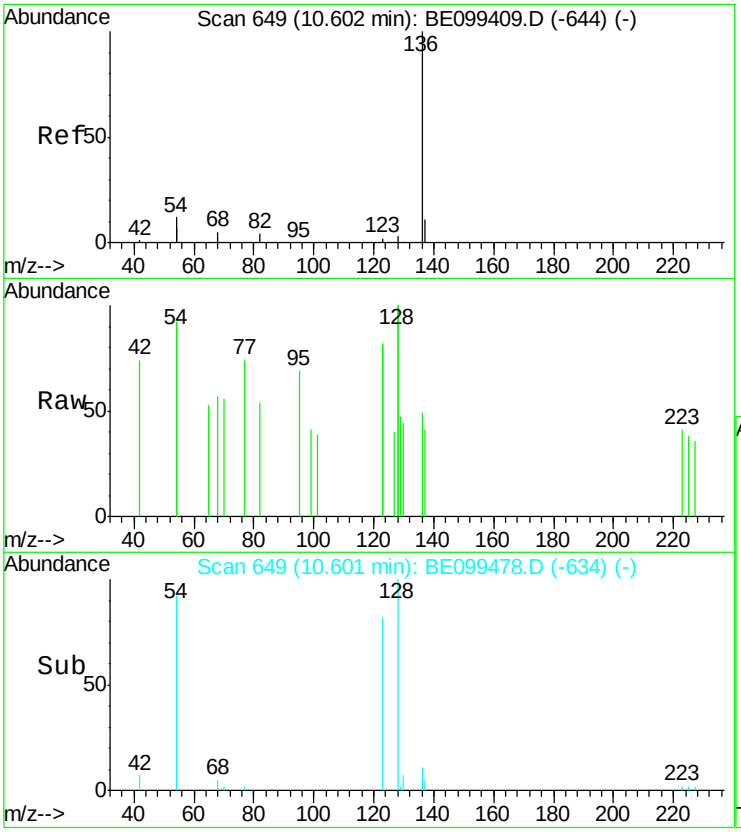


#6
bis(2-Chloroethyl)ether
Concen: 0.230 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion: 93 Resp: 43

Ion	Ratio	Lower	Upper
93	100		
63	144.2	215.6	323.4#
95	183.7	26.2	39.2#



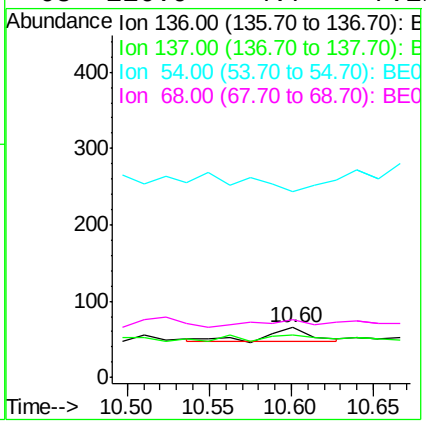


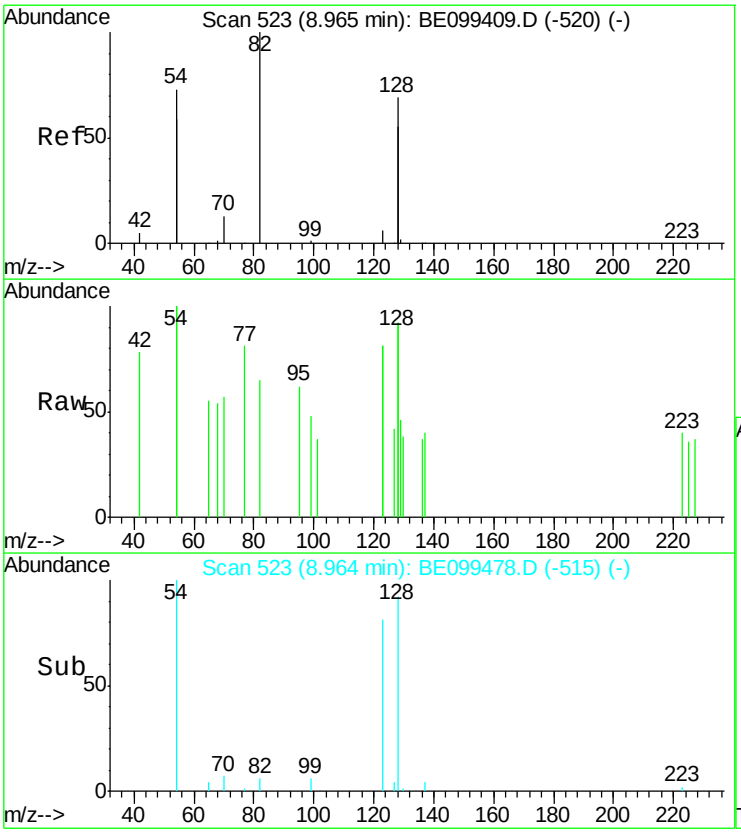
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:136 Resp: 30

Ion	Ratio	Lower	Upper
136	100		
137	84.6	9.8	14.8#
54	375.4	18.5	27.7#
68	116.9	4.7	7.1#

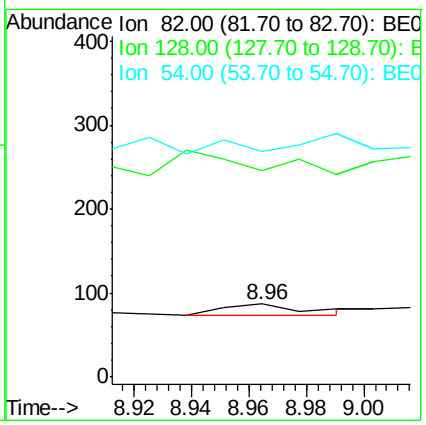


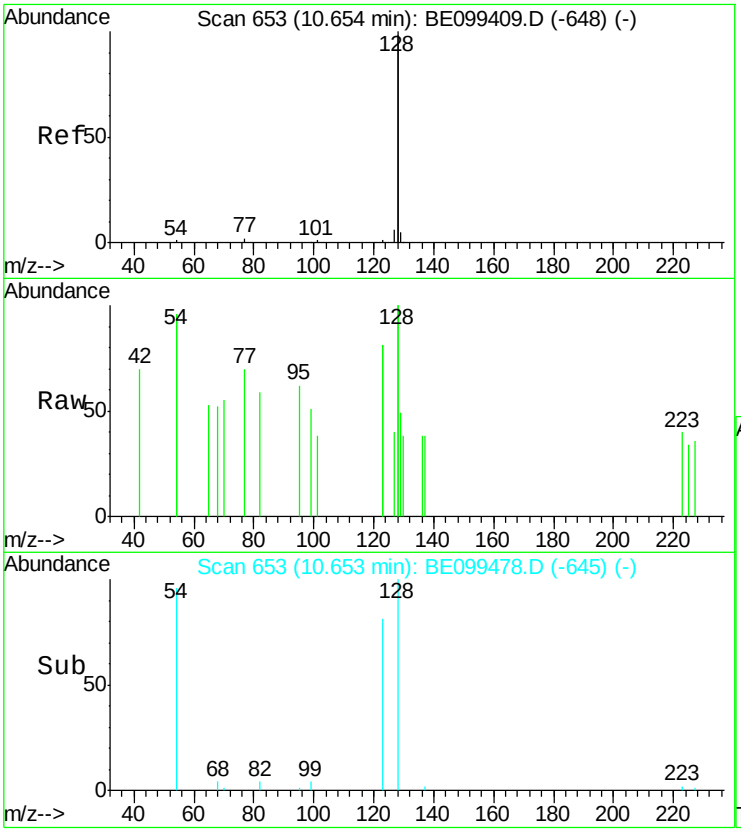


#8
Nitrobenzene-d5
Concen: 0.889 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion: 82 Resp: 25

Ion	Ratio	Lower	Upper
82	100		
128	282.8	107.0	160.4#
54	308.0	113.1	169.7#



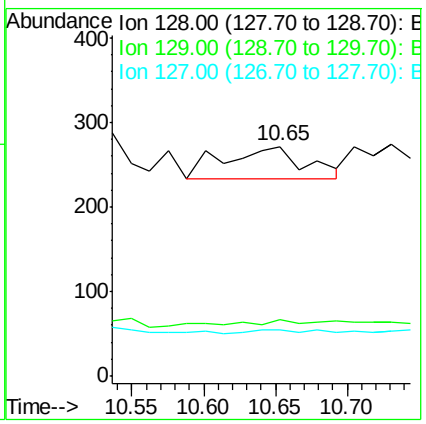


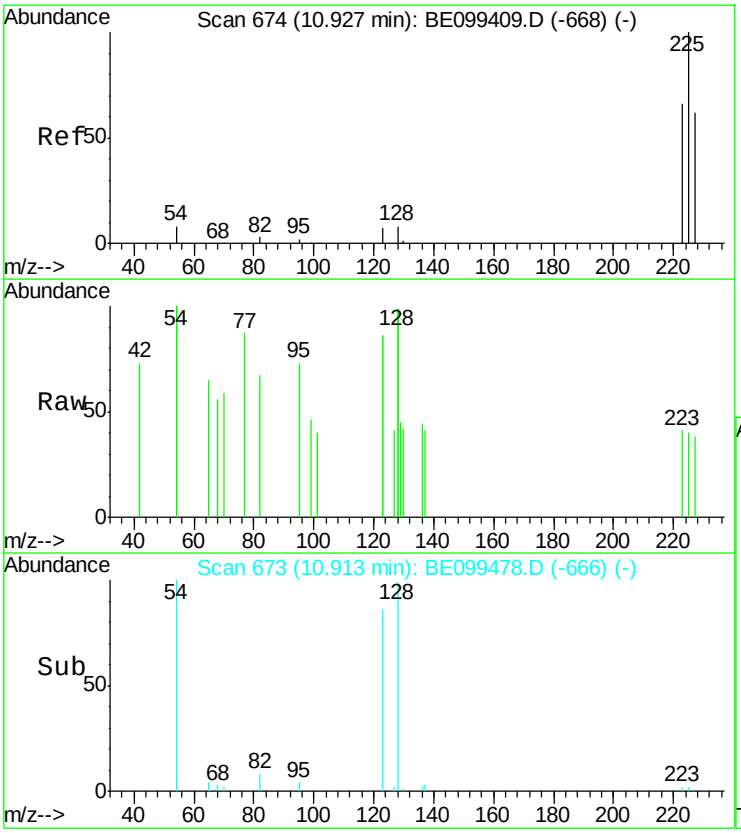
#9
Naphthalene
Concen: 0.444 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:128 Resp: 145

Ion	Ratio	Lower	Upper
128	100		
129	24.6	2.4	3.6#
127	20.2	2.8	4.2#

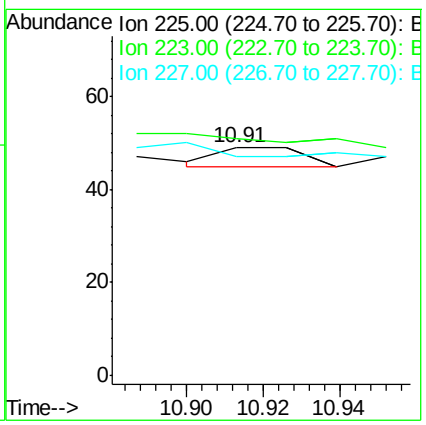


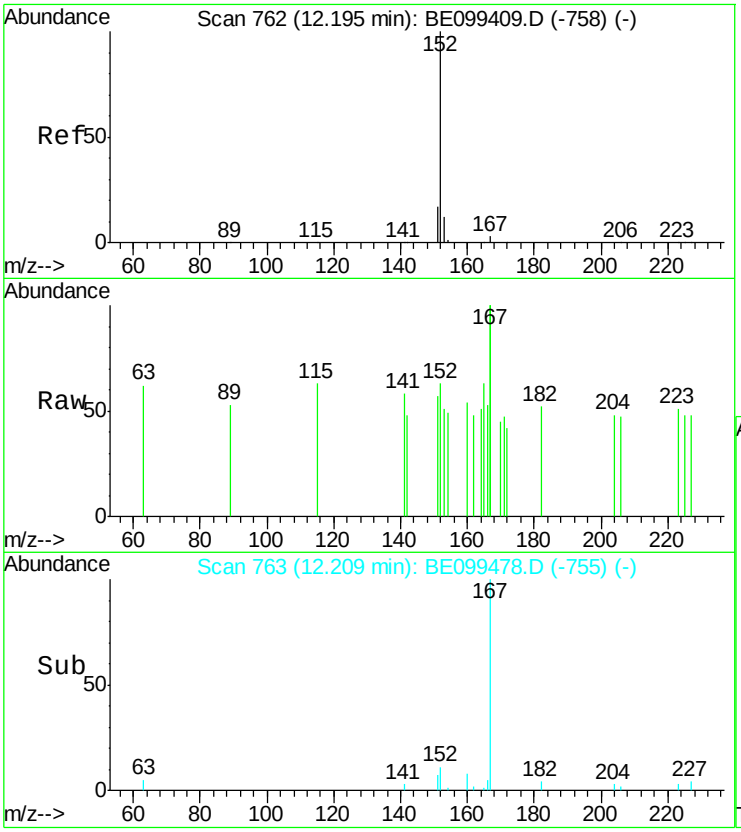


#10
Hexachlorobutadiene
Concen: 0.264 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:225 Resp: 6

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.6#
227	0.0	50.9	76.3#



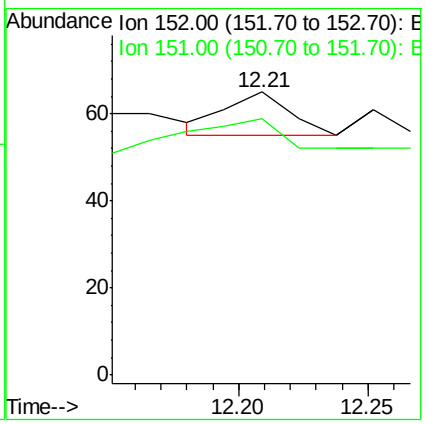


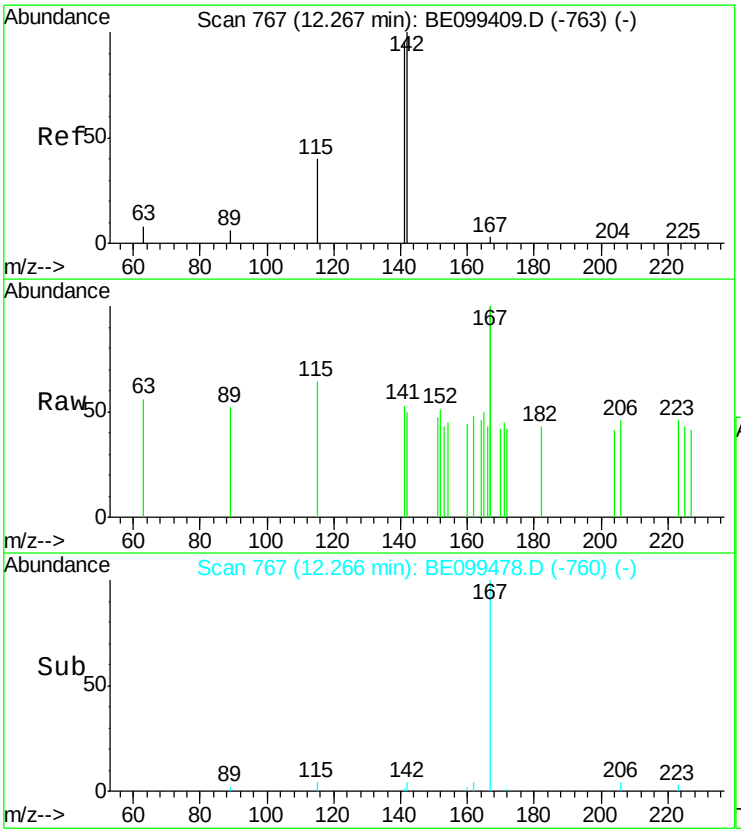
#11
2-Methylnaphthalene-d10
Concen: 0.315 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:152 Resp: 17

Ion	Ratio	Lower	Upper
152	100		
151	176.5	15.5	23.3#

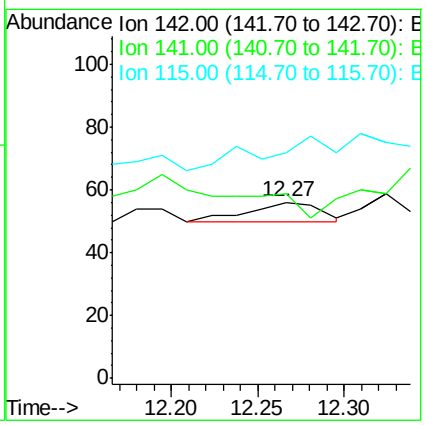


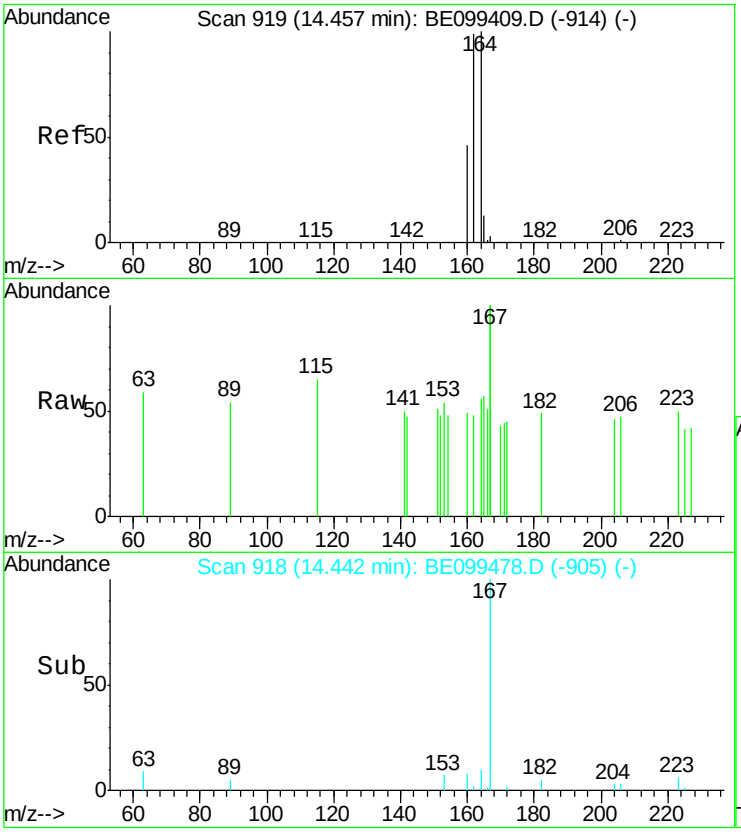


#12
2-Methylnaphthalene
Concen: 0.299 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:142 Resp: 17

Ion	Ratio	Lower	Upper
142	100		
141	105.4	77.0	115.4
115	128.6	33.4	50.0#



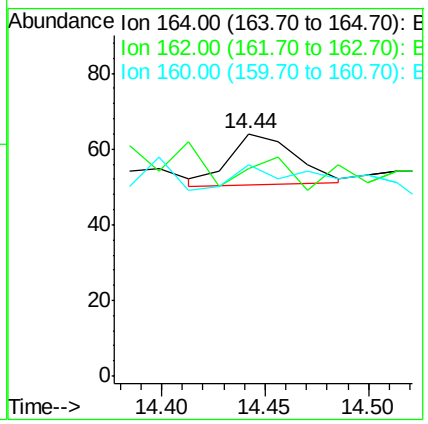


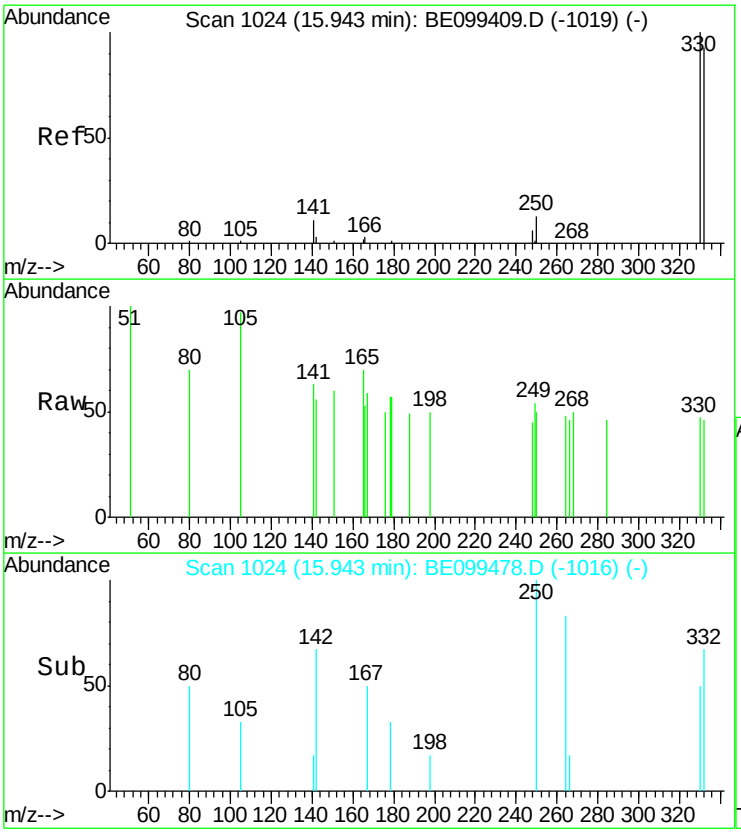
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.02 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:164 Resp: 31

Ion	Ratio	Lower	Upper
164	100		
162	85.9	79.0	118.4
160	87.5	37.0	55.4#

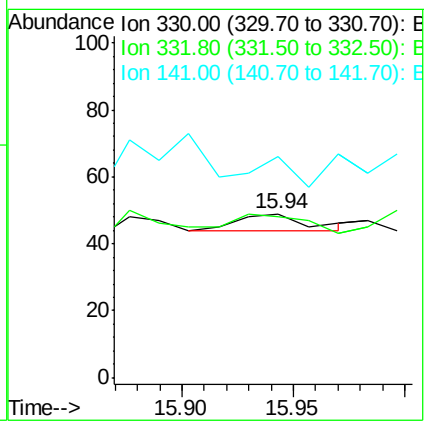


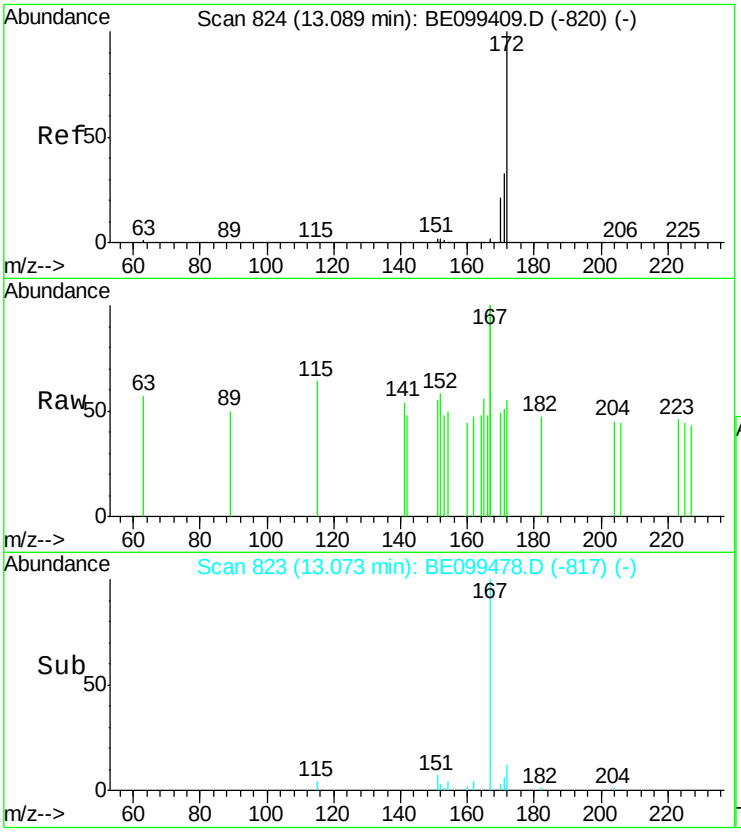


#14
2,4,6-Tribromophenol
Concen: 0.512 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:330 Resp: 10

Ion	Ratio	Lower	Upper
330	100		
332	120.0	71.5	107.3#
141	70.0	24.0	36.0#



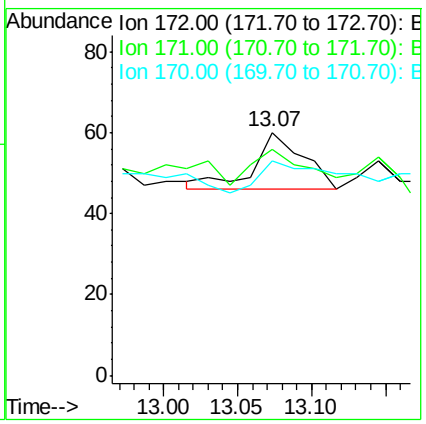


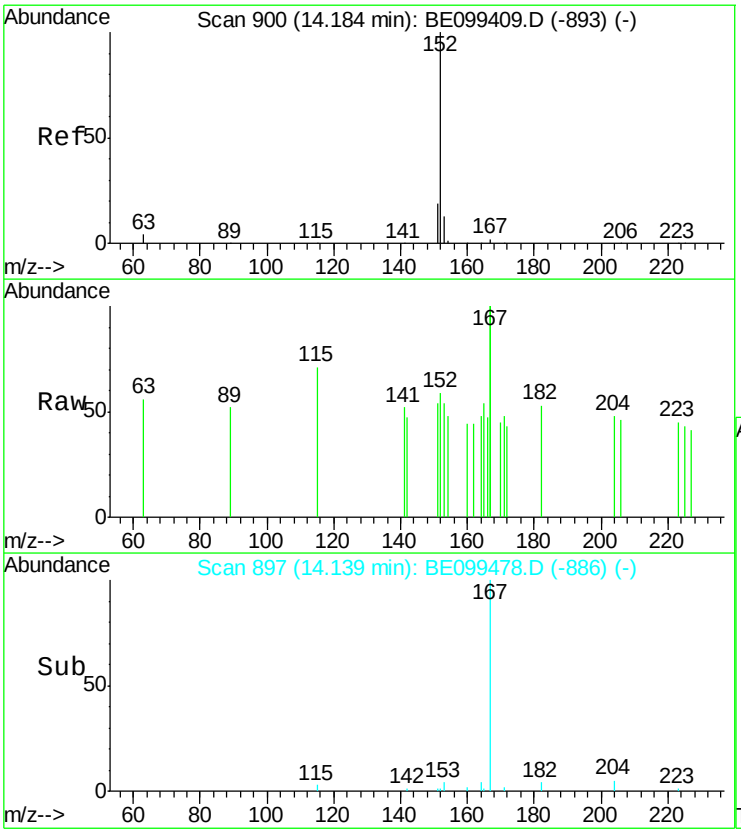
#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:172 Resp: 33

Ion	Ratio	Lower	Upper
172	100		
171	93.3	26.6	39.8#
170	88.3	17.0	25.6#

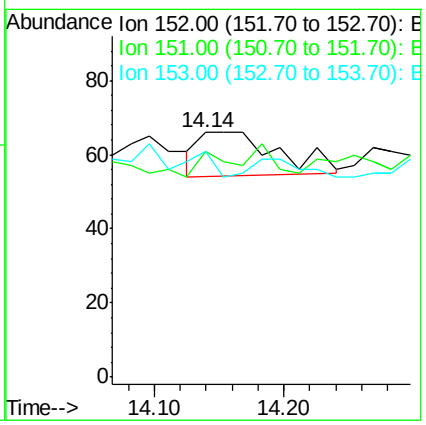


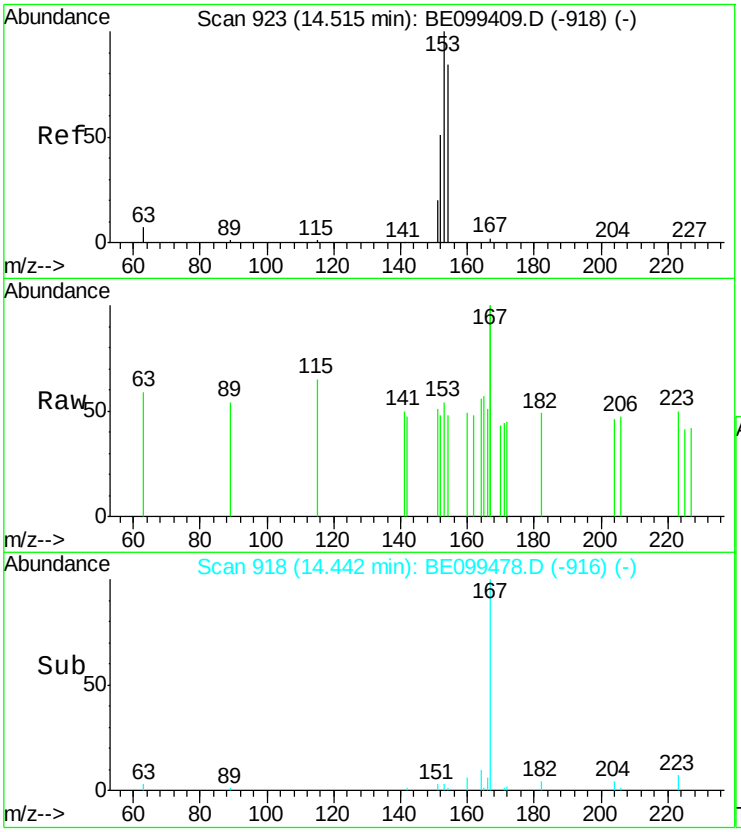


#16
Acenaphthylene
Concen: 0.330 ng
RT: 14.14 min Scan# 897
Delta R.T. -0.04 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:152 Resp: 50

Ion	Ratio	Lower	Upper
152	100		
151	30.0	15.4	23.2#
153	0.0	9.8	14.6#



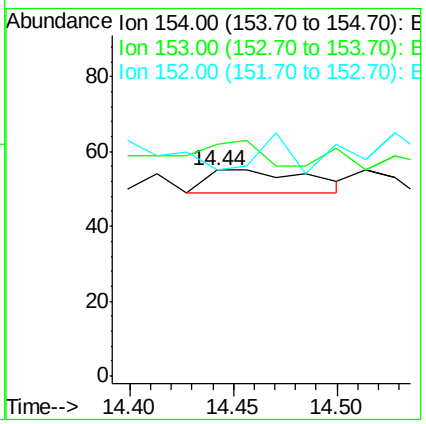


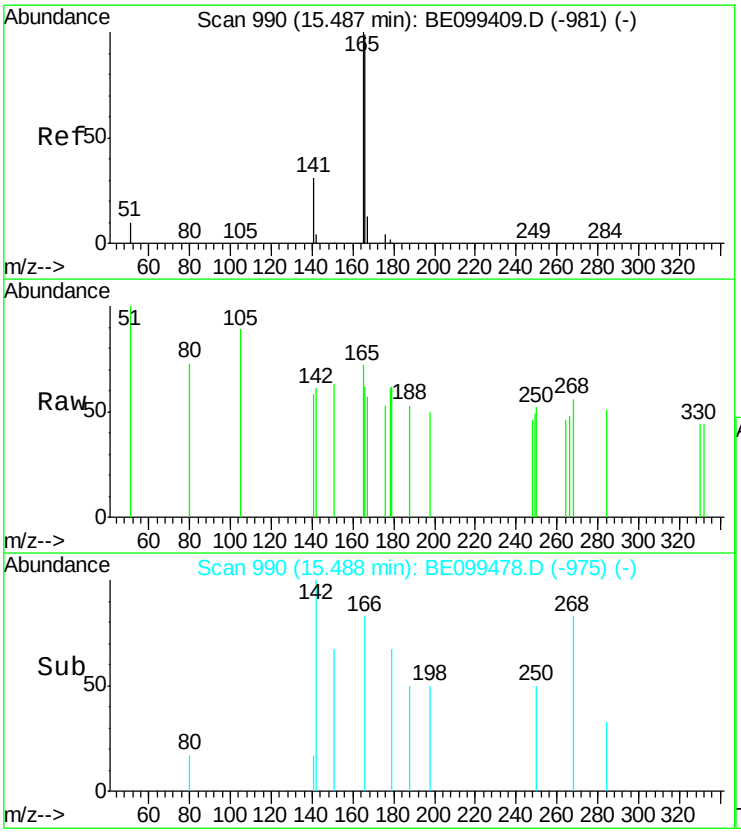
#17
Acenaphthene
Concen: 0.242 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.07 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:154 Resp: 21

Ion	Ratio	Lower	Upper
154	100		
153	0.0	92.6	138.8#
152	0.0	45.8	68.8#

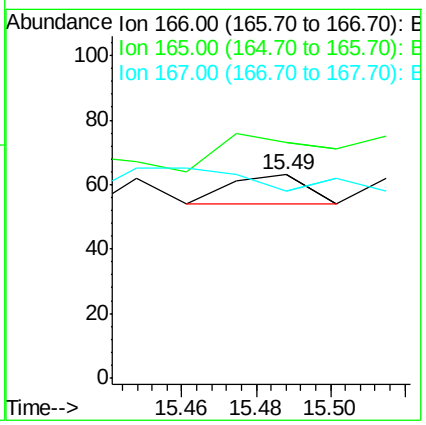


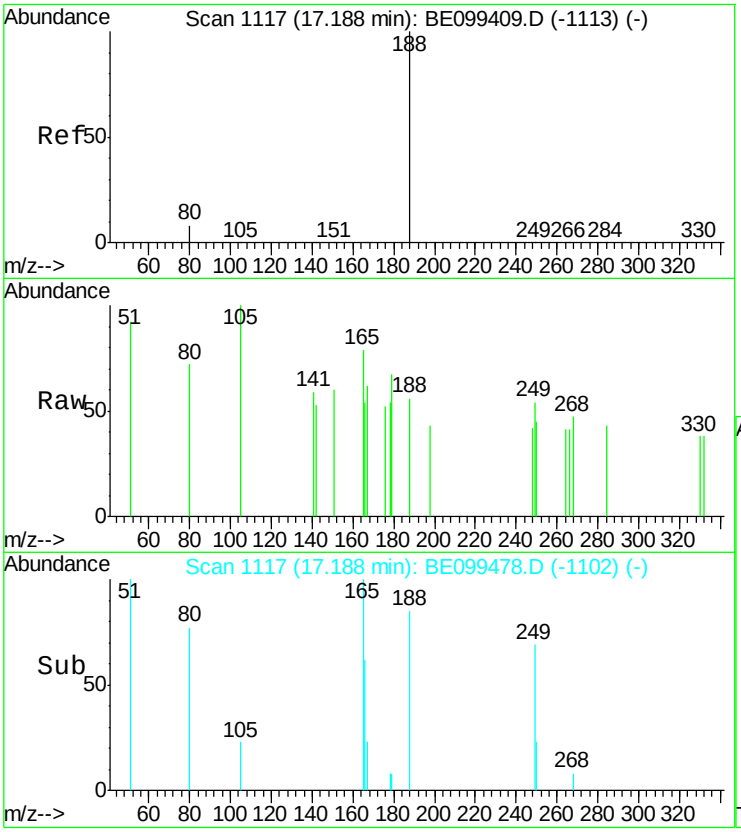


#18
Fluorene
Concen: 0.102 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:166 Resp: 13

Ion	Ratio	Lower	Upper
166	100		
165	169.2	80.3	120.5#
167	0.0	10.7	16.1#



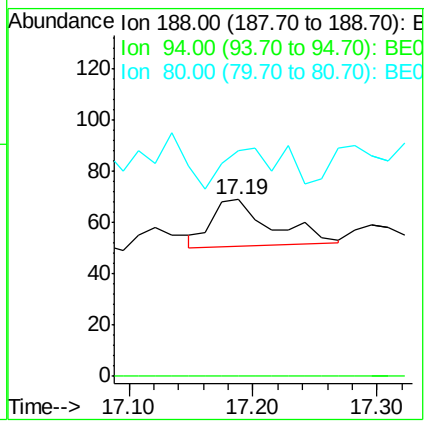


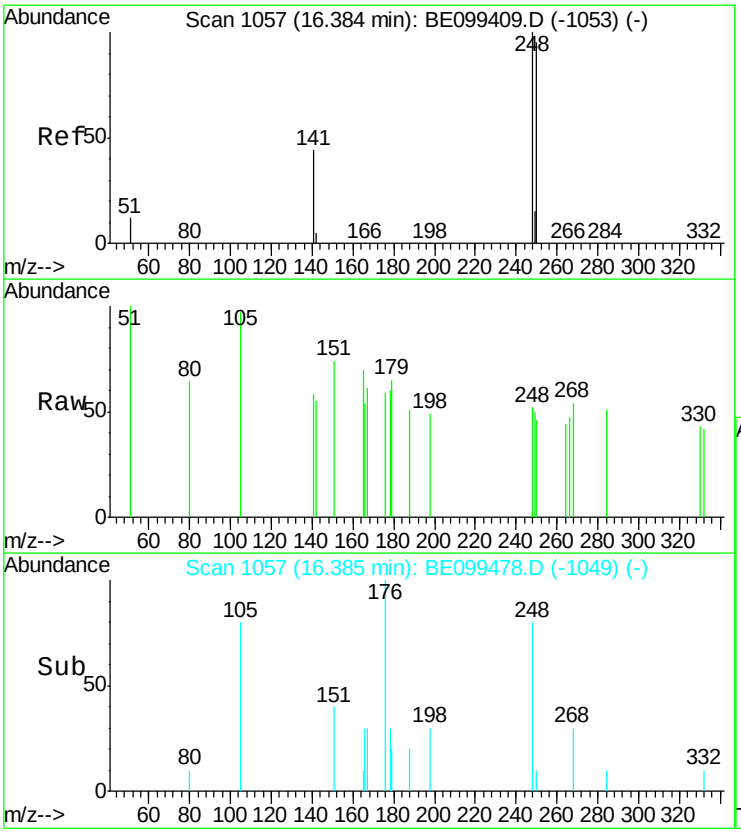
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:188 Resp: 61

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	127.5	6.7	10.1#

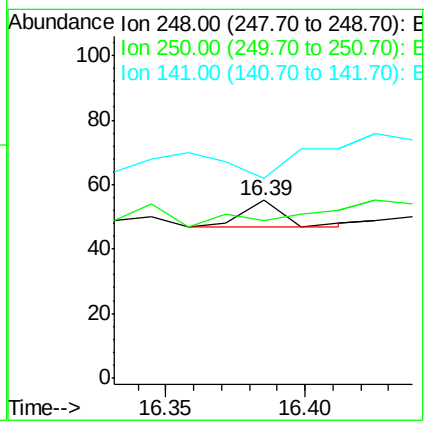


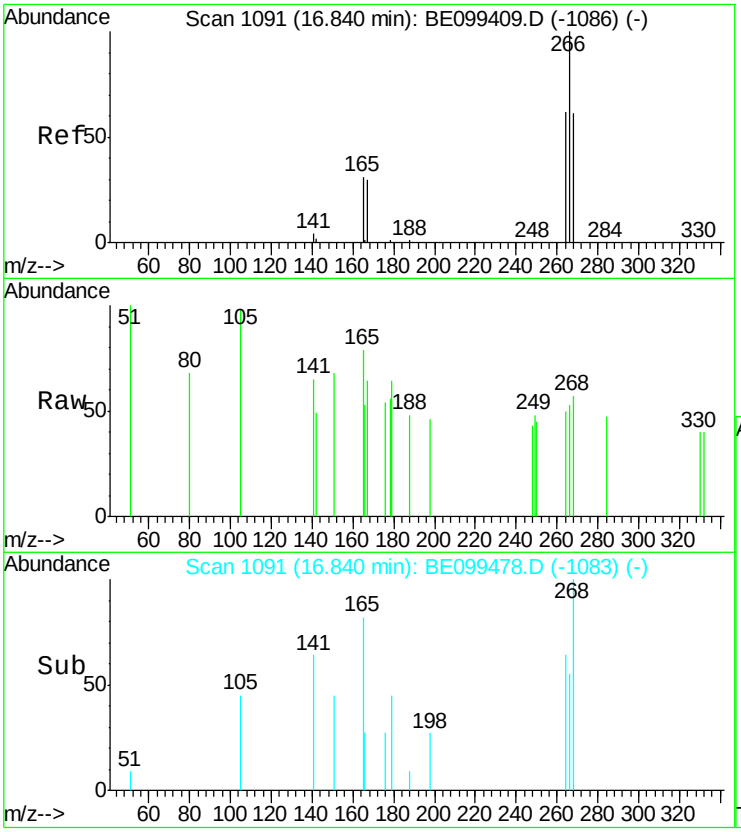


#20
4-Bromophenyl-phenylether
Concen: 0.225 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:248 Resp: 8

Ion	Ratio	Lower	Upper
248	100		
250	89.1	75.8	113.8
141	112.7	35.7	53.5#



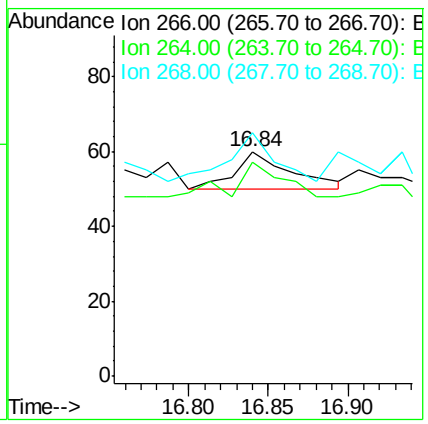


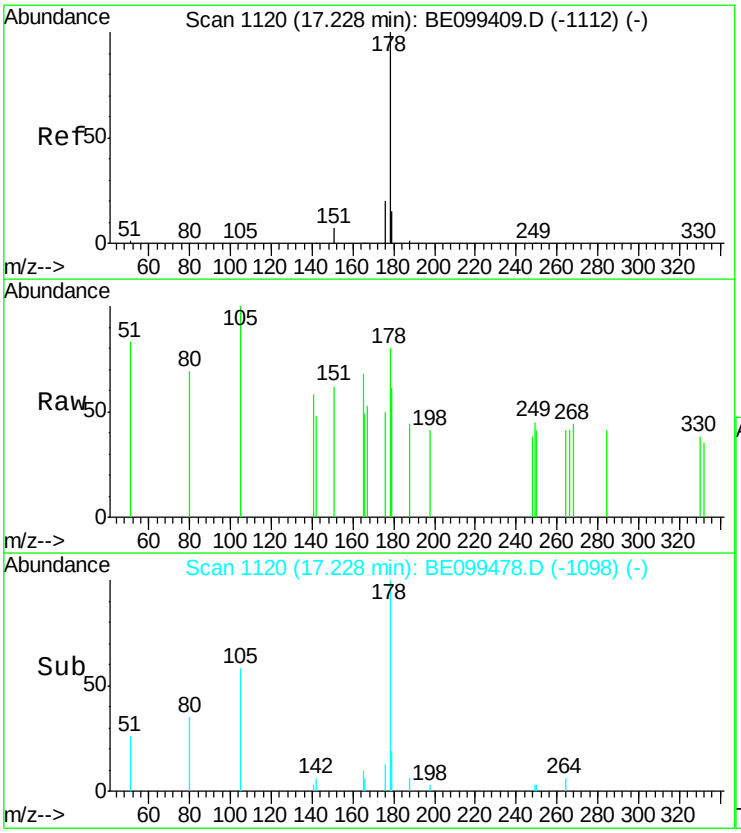
#22
Pentachlorophenol
Concen: 1.394 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:266 Resp: 24

Ion	Ratio	Lower	Upper
266	100		
264	95.0	50.8	76.2#
268	108.3	50.5	75.7#

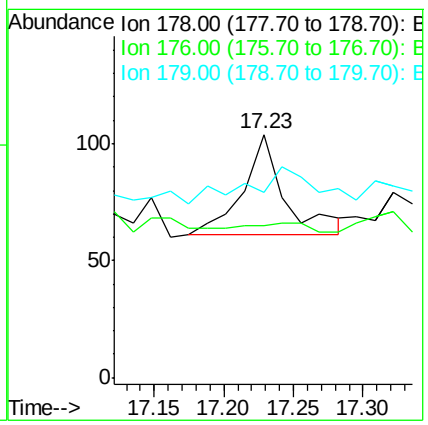


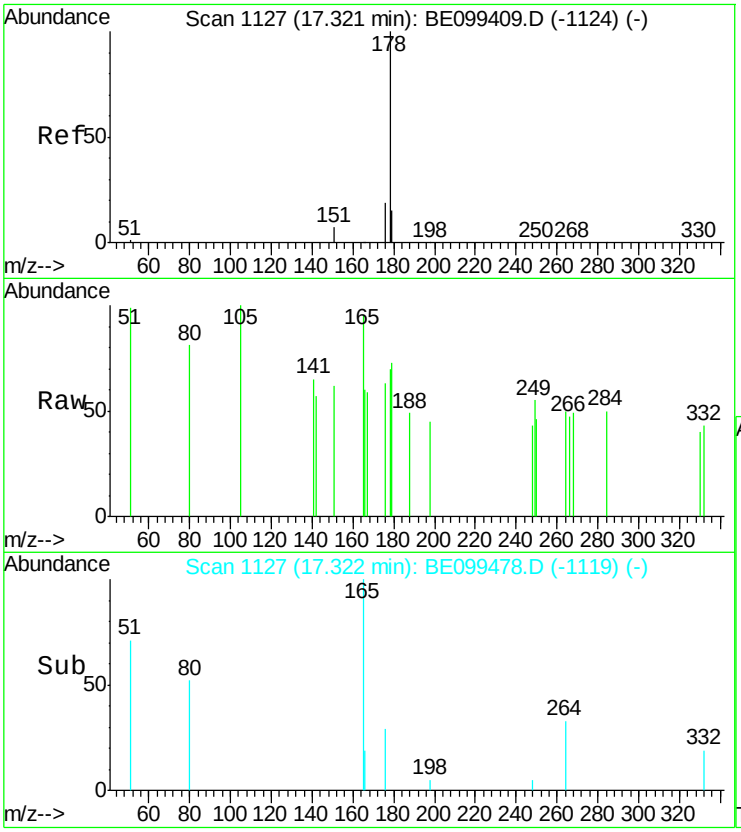


#23
Phenanthrene
Concen: 0.578 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:178 Resp: 91

Ion	Ratio	Lower	Upper
178	100		
176	25.3	15.6	23.4#
179	60.4	12.0	18.0#



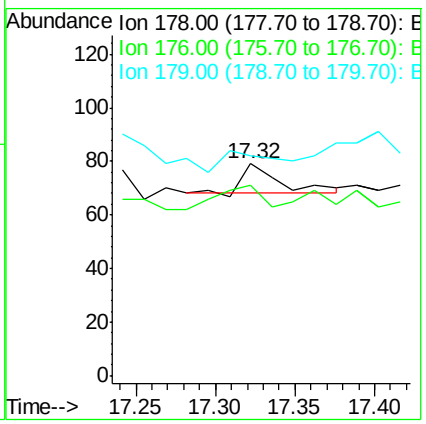


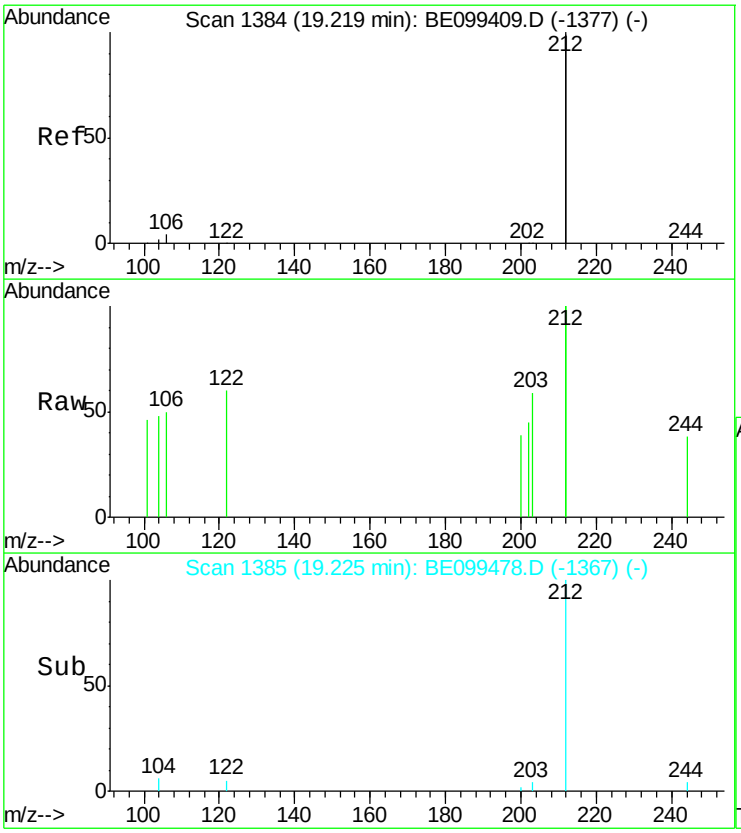
#24
Anthracene
Concen: 0.120 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:178 Resp: 18

Ion	Ratio	Lower	Upper
178	100		
176	105.6	14.9	22.3#
179	100.0	11.9	17.9#

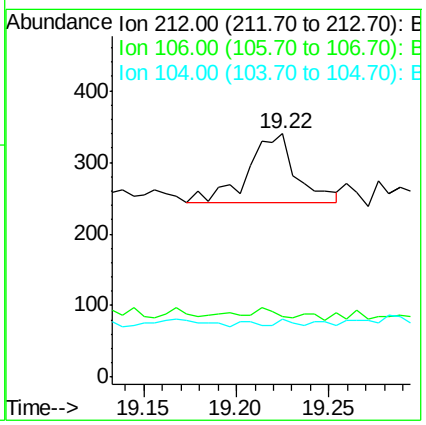


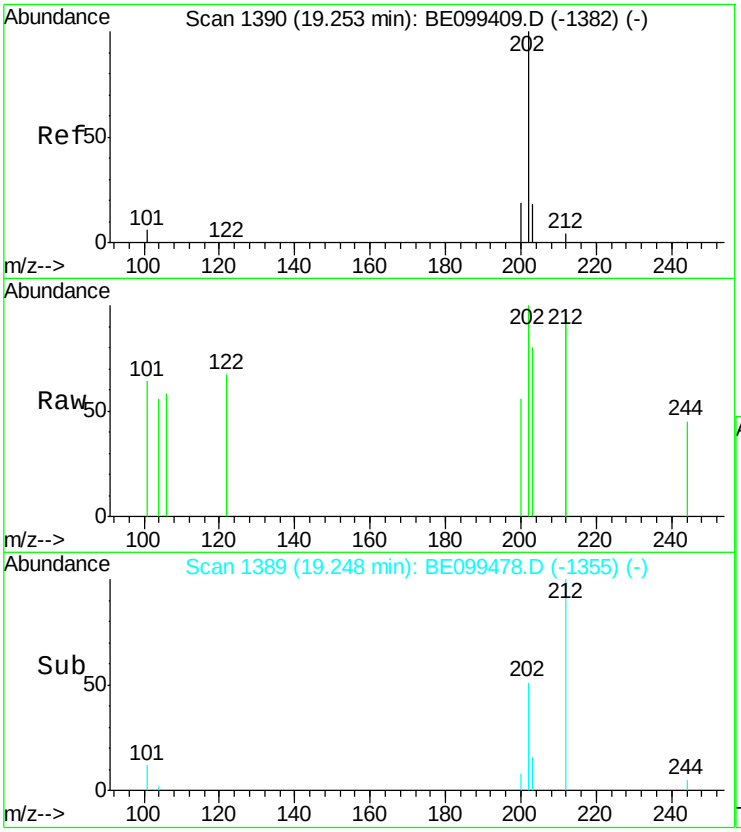


#25
Fluoranthene-d10
Concen: 0.212 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:212 Resp: 174

Ion	Ratio	Lower	Upper
212	100		
106	0.0	1.5	2.3#
104	2.9	0.9	1.3#



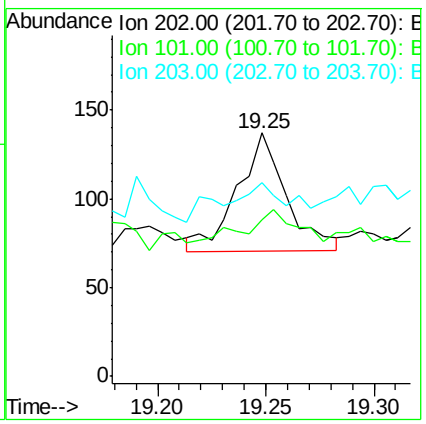


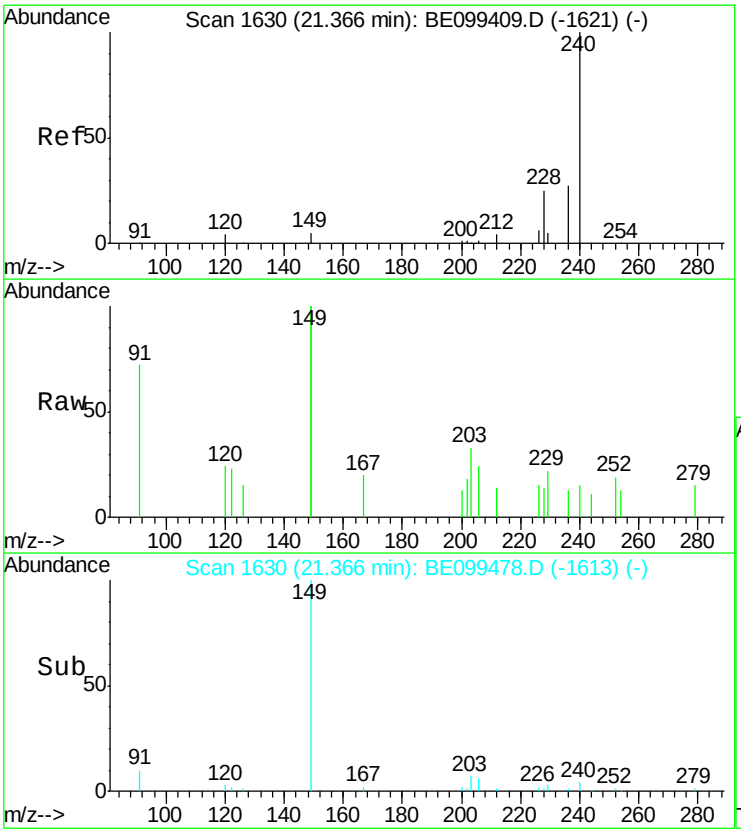
#26
Fluoranthene
Concen: 0.445 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:202 Resp: 105

Ion	Ratio	Lower	Upper
202	100		
101	28.6	5.4	8.0#
203	20.0	13.9	20.9

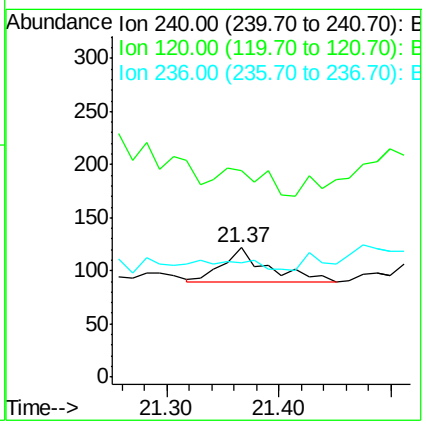


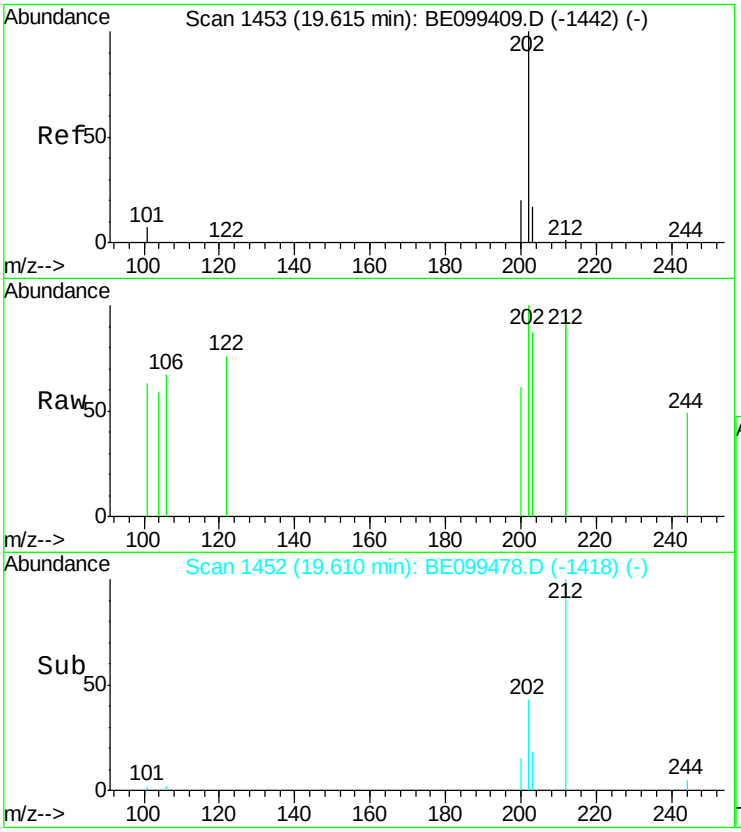


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:240 Resp: 95

Ion	Ratio	Lower	Upper
240	100		
120	159.0	4.0	6.0#
236	87.7	22.0	33.0#



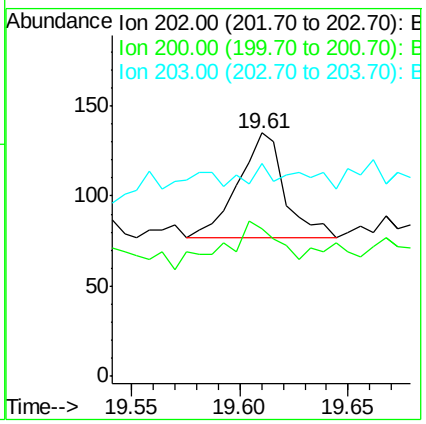


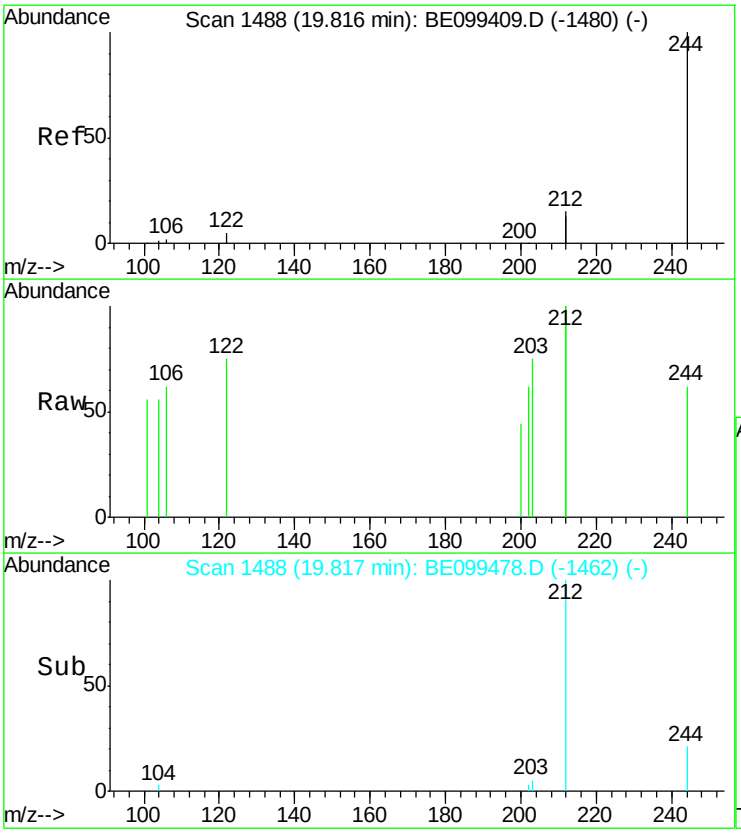
#28
Pyrene
Concen: 0.351 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:202 Resp: 87

Ion	Ratio	Lower	Upper
202	100		
200	55.2	15.7	23.5#
203	12.6	13.9	20.9#

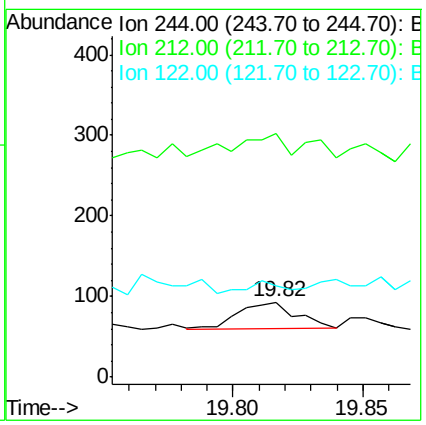


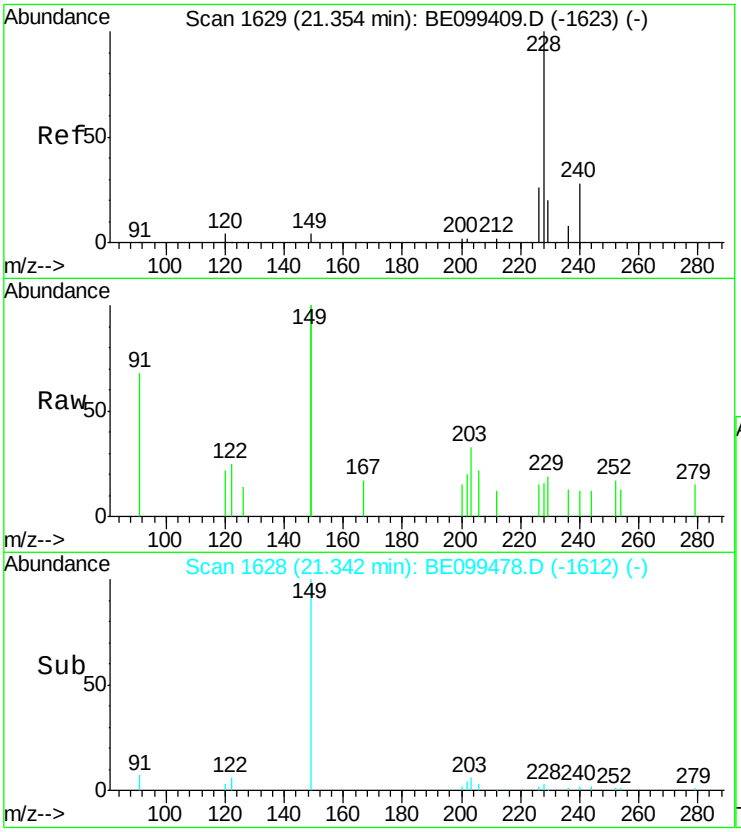


#29
Terphenyl-d14
Concen: 0.287 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:244 Resp: 50

Ion	Ratio	Lower	Upper
244	100		
212	324.7	23.2	34.8#
122	122.6	4.2	6.4#



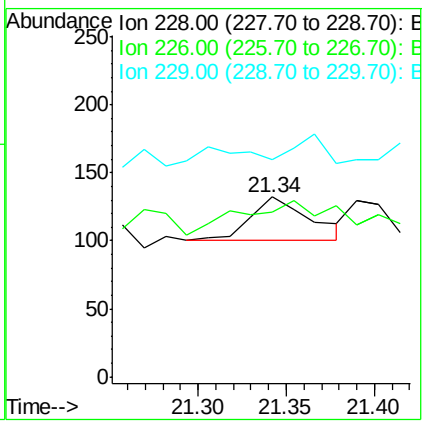


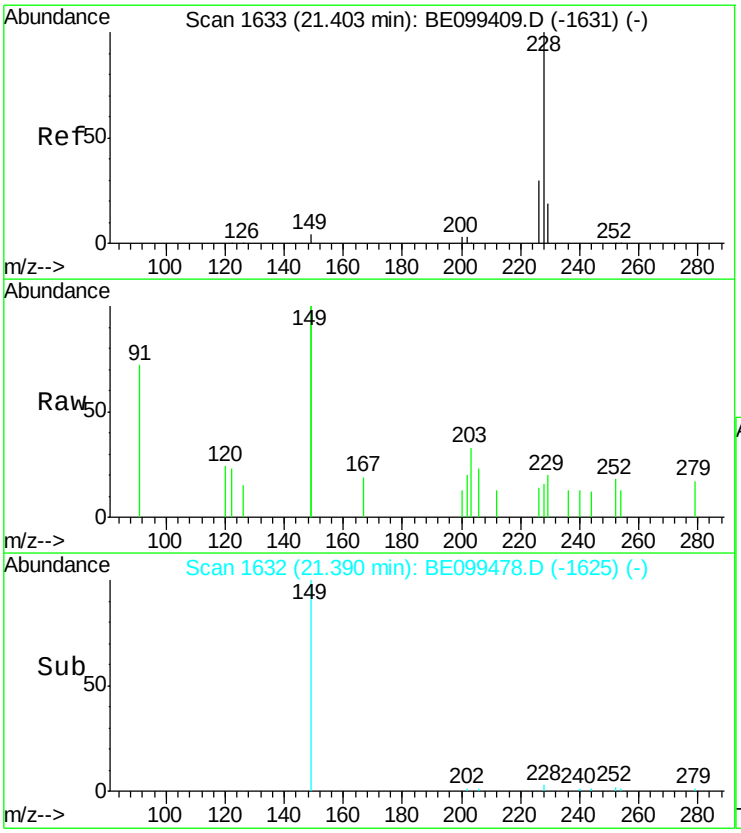
#30
Benzo(a)anthracene
Concen: 0.248 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:228 Resp: 75

Ion	Ratio	Lower	Upper
228	100		
226	91.7	21.0	31.6#
229	121.2	16.6	25.0#

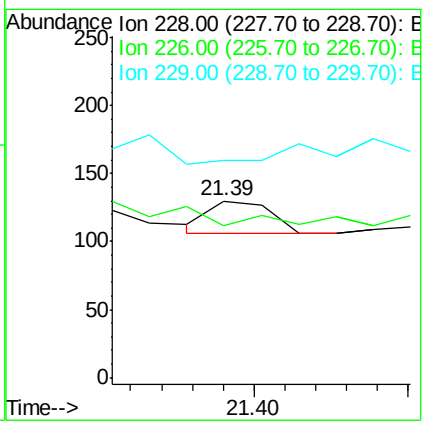


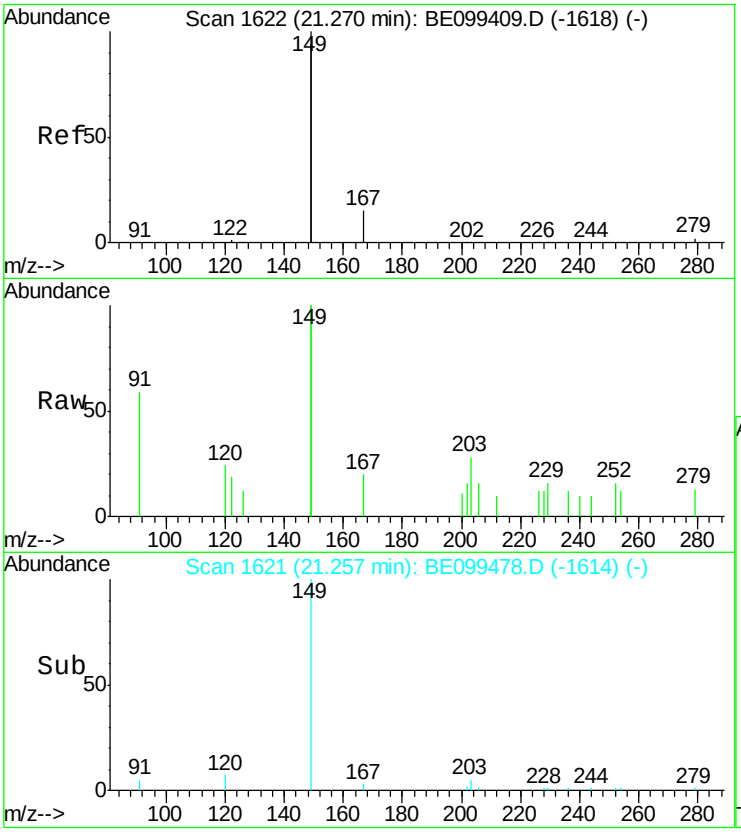


#31
Chrysene
Concen: 0.111 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:228 Resp: 33

Ion	Ratio	Lower	Upper
228	100		
226	86.2	24.0	36.0#
229	123.1	15.8	23.8#



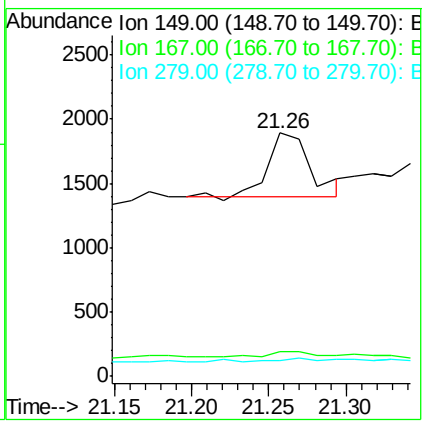


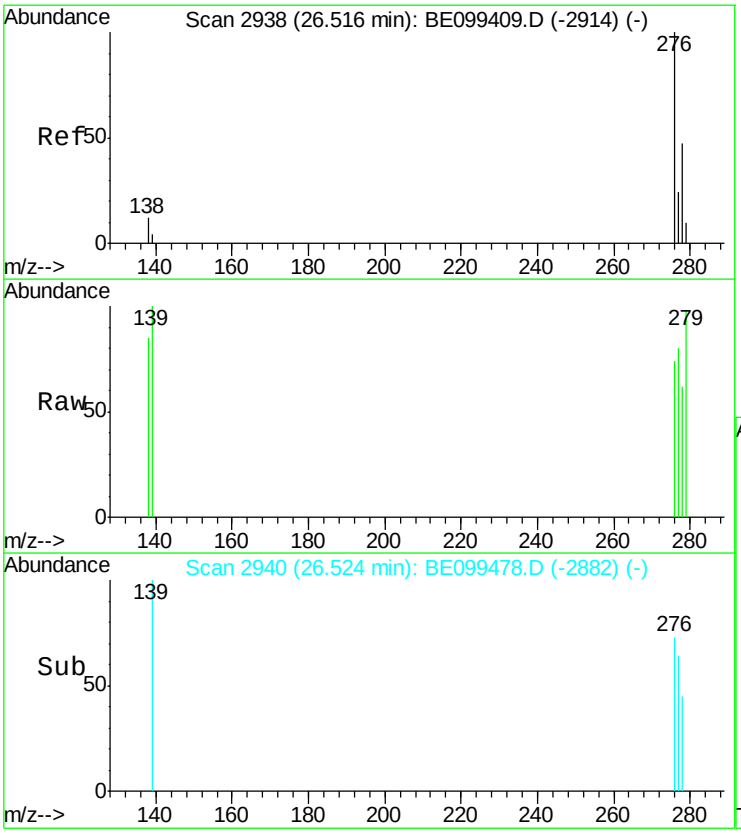
#32
Bis(2-ethylhexyl)phthalate
Concen: 2.151 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:149 Resp: 949

Ion	Ratio	Lower	Upper
149	100		
167	10.2	5.8	8.6#
279	5.2	1.0	1.6#

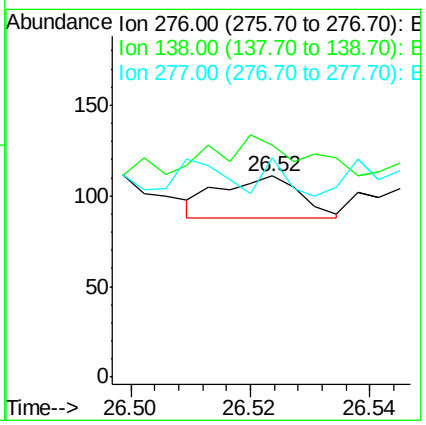


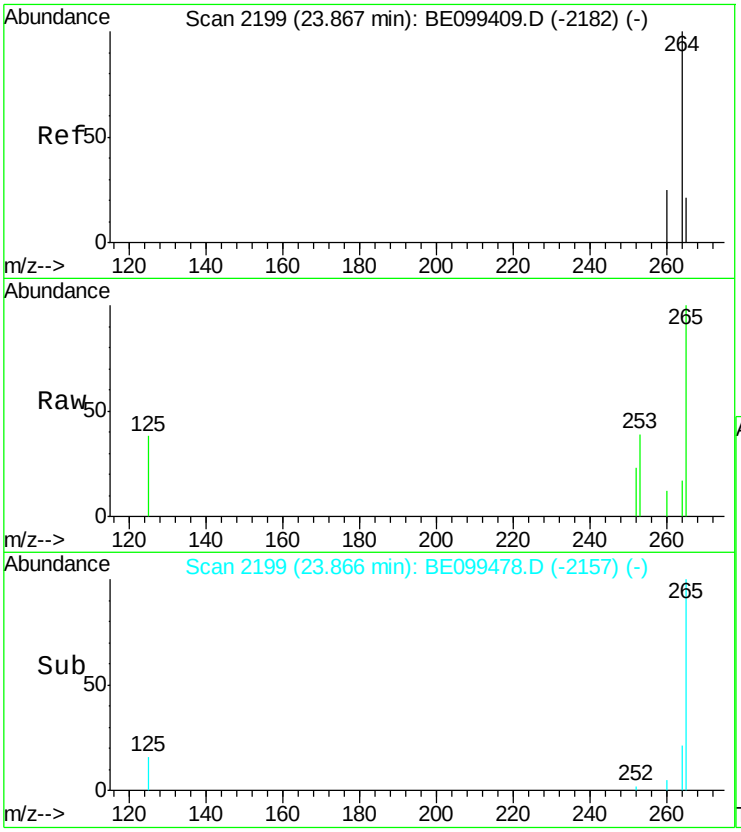


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng
RT: 26.52 min Scan# 2940
Delta R.T. 0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:276 Resp: 21

Ion	Ratio	Lower	Upper
276	100		
138	123.8	10.2	15.2#
277	23.8	19.2	28.8



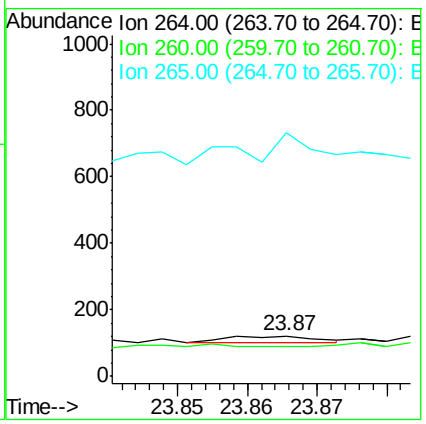


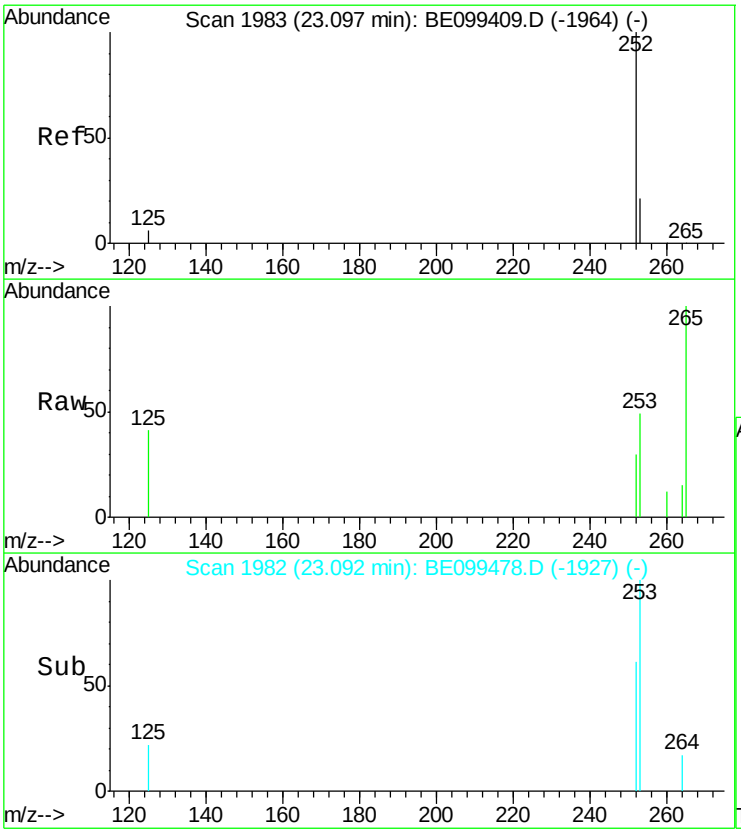
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:264 Resp: 15

Ion	Ratio	Lower	Upper
264	100		
260	74.6	20.2	30.2#
265	600.0	21.3	31.9#

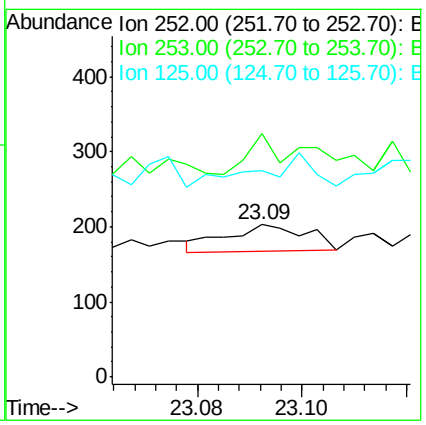


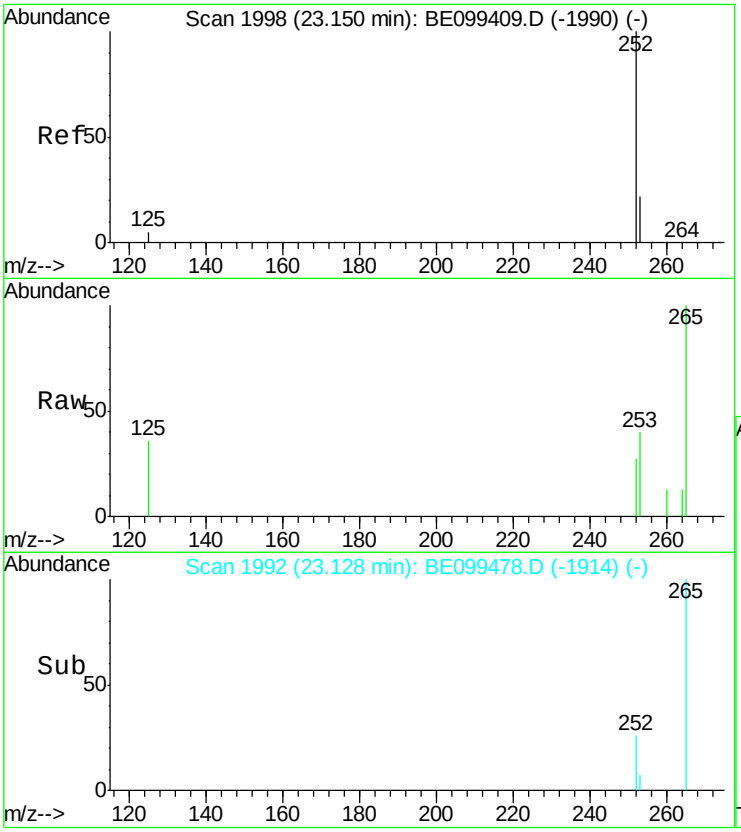


#35
Benzo(b)fluoranthene
Concen: 0.879 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:252 Resp: 38

Ion	Ratio	Lower	Upper
252	100		
253	159.6	18.1	27.1#
125	135.5	5.6	8.4#



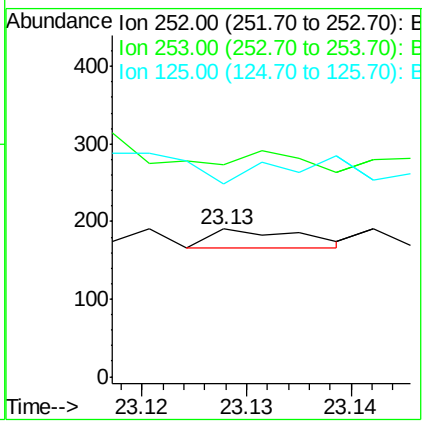


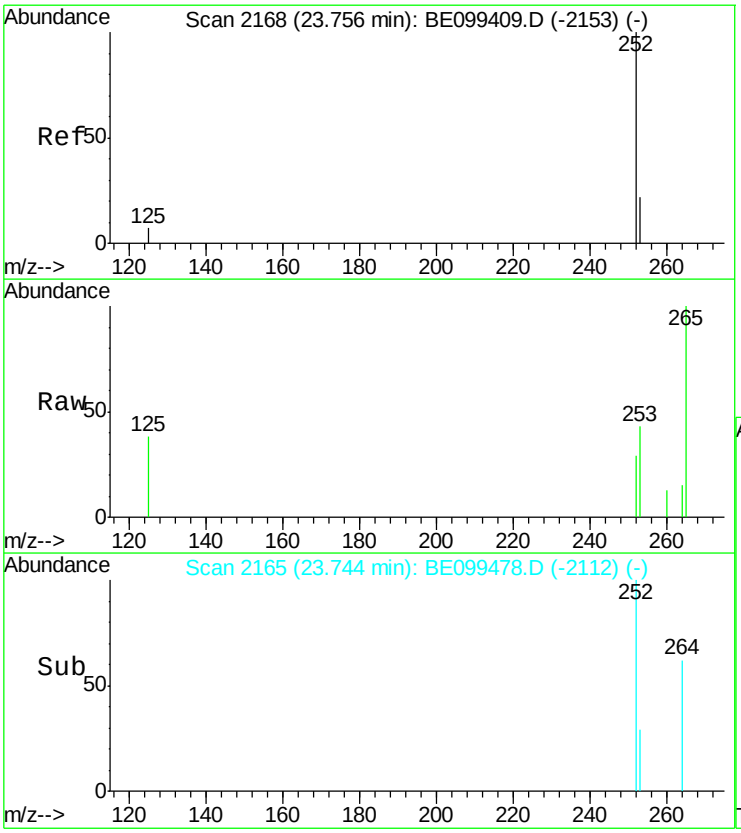
#36
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 23.13 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:252 Resp: 15

Ion	Ratio	Lower	Upper
252	100		
253	143.7	18.4	27.6#
125	130.5	5.0	7.4#

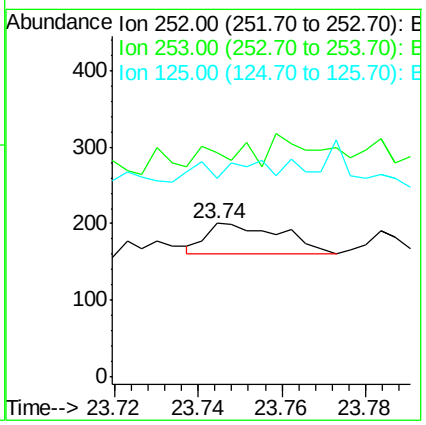


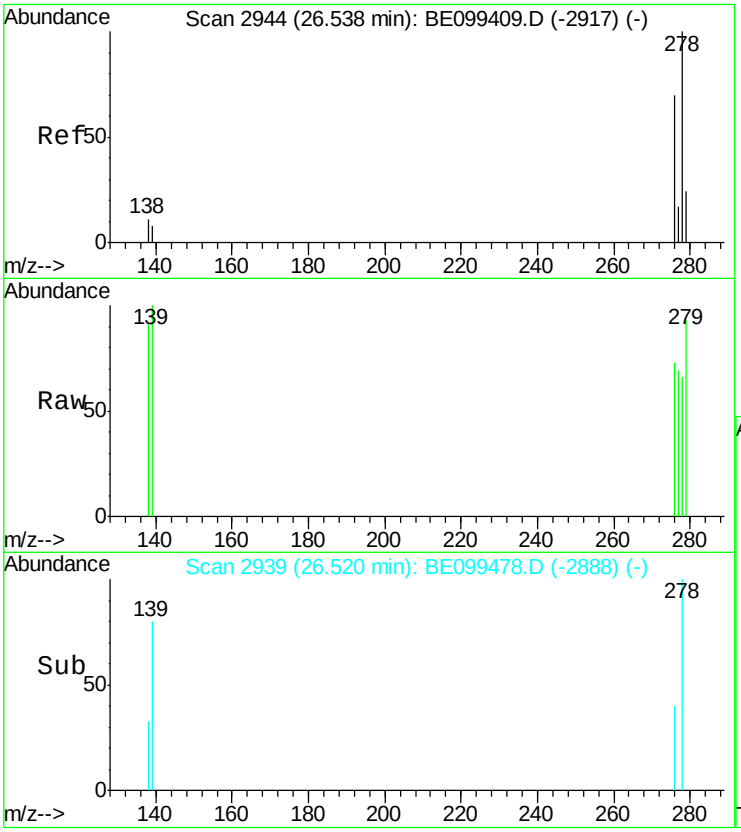


#37
Benzo(a)pyrene
Concen: 1.247 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:252 Resp: 51

Ion	Ratio	Lower	Upper
252	100		
253	146.5	18.9	28.3#
125	129.5	6.7	10.1#



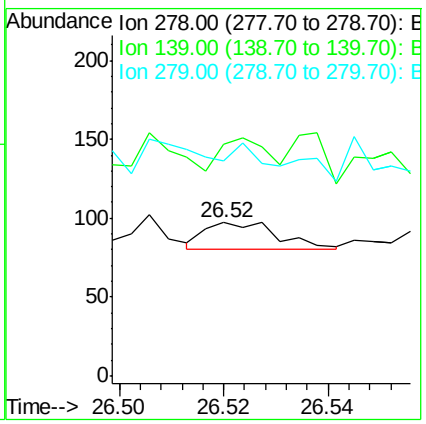


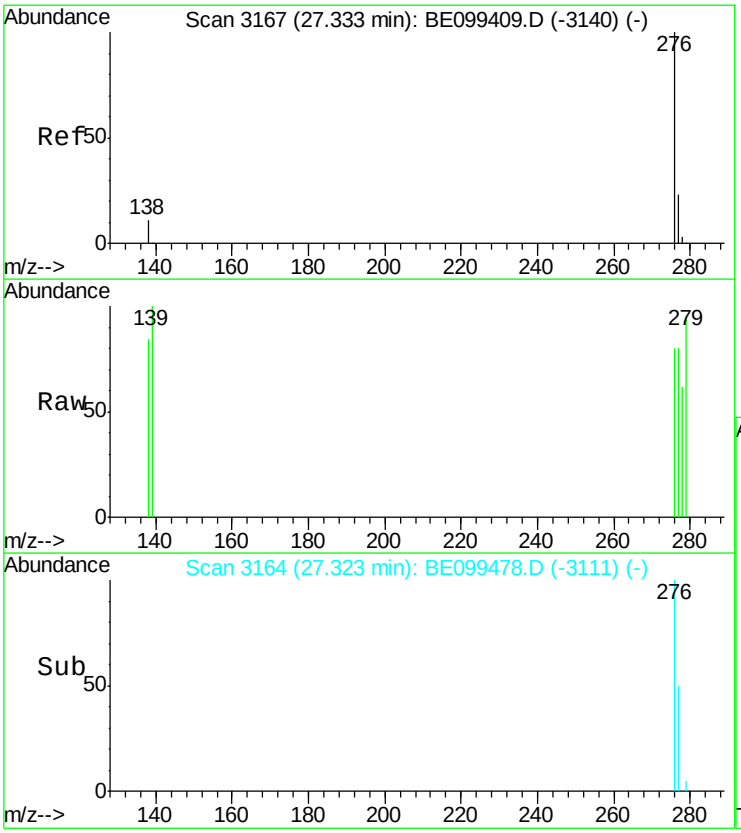
#38
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.02 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion:278 Resp: 17

Ion	Ratio	Lower	Upper
278	100		
139	151.5	7.7	11.5#
279	140.2	20.2	30.2#





#39
Benzo(g,h,i)perylene
Concen: 0.573 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE099478.D
Acq: 2 May 2019 00:22

Tgt Ion:276 Resp: 24

Ion	Ratio	Lower	Upper
276	100		
277	100.9	19.5	29.3#
138	105.5	9.6	14.4#