Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
Data File : BE099566.D
Acq On : 7 May 2019 15:27
Operator : JU/SJ
Sample : PB119482BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB119482BS

Quant Time: May 07 16:03:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 14:10:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2028	0.40	ng		0.02
7) Naphthalene-d8	10.64	136	7031	0.40	ng		0.01
13) Acenaphthene-d10	14.50	164	4729	0.40	ng		0.00
19) Phenanthrene-d10	17.25	188	13644	0.40	ng		0.01
27) Chrysene-d12	21.43	240	19088	0.40	ng		0.00
34) Perylene-d12	23.99	264	22576	0.40	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	2119	0.38	ng		0.00
5) Phenol-d6	7.00	99	2884	0.39	ng		0.02
8) Nitrobenzene-d5	9.00	82	2438	0.36	ng		0.03
11) 2-Methylnaphthalene-d10	12.24	152	5847	0.48	ng		0.01
14) 2,4,6-Tribromophenol	16.00	330	1032	0.33	ng		0.01
15) 2-Fluorobiphenyl	13.13	172	6532	0.36	ng		0.01
25) Fluoranthene-d10	19.28	212	68888	0.37	ng		0.00
29) Terphenyl-d14	19.87	244	14969	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	765	0.267	ng	#	27
3) n-Nitrosodimethylamine	3.64	42	695	0.367	ng	#	95
6) bis(2-Chloroethyl)ether	7.25	93	2139	0.347	ng		97
9) Naphthalene	10.69	128	26817	0.360	ng		100
10) Hexachlorobutadiene	10.96	225	1852	0.342	ng		97
12) 2-Methylnaphthalene	12.31	142	4537	0.359	ng		94
16) Acenaphthylene	14.23	152	7756	0.340	ng		99
17) Acenaphthene	14.57	154	4429	0.347	ng		97
18) Fluorene	15.54	166	6408	0.352	ng		99
20) 4-Bromophenyl-phenylether	16.44	248	2690	0.347	ng	#	82
21) Hexachlorobenzene	16.55	284	2689	0.349	ng		98
22) Pentachlorophenol	16.91	266	2018	0.636	ng		94
23) Phenanthrene	17.30	178	12062	0.359	ng		99
24) Anthracene	17.38	178	11386	0.352	ng		99
26) Fluoranthene	19.31	202	18738	0.362	ng		99
28) Pyrene	19.67	202	19564	0.383	ng		99
30) Benzo(a)anthracene	21.42	228	23369	0.395	ng		99
31) Chrysene	21.46	228	23219	0.398	ng		99
32) Bis(2-ethylhexyl)phthalate	21.33	149	36232	0.387	ng		99
33) Indeno(1,2,3-cd)pyrene	26.69	276	28169	0.406	ng		99
35) Benzo(b)fluoranthene	23.20	252	22667	0.364	ng		99
36) Benzo(k)fluoranthene	23.25	252	24406	0.398	ng		99
37) Benzo(a)pyrene	23.87	252	22968	0.382	ng		98
38) Dibenzo(a,h)anthracene	26.72	278	23185	0.373	ng		98
39) Benzo(g,h,i)perylene	27.53	276	23745	0.382	ng		100

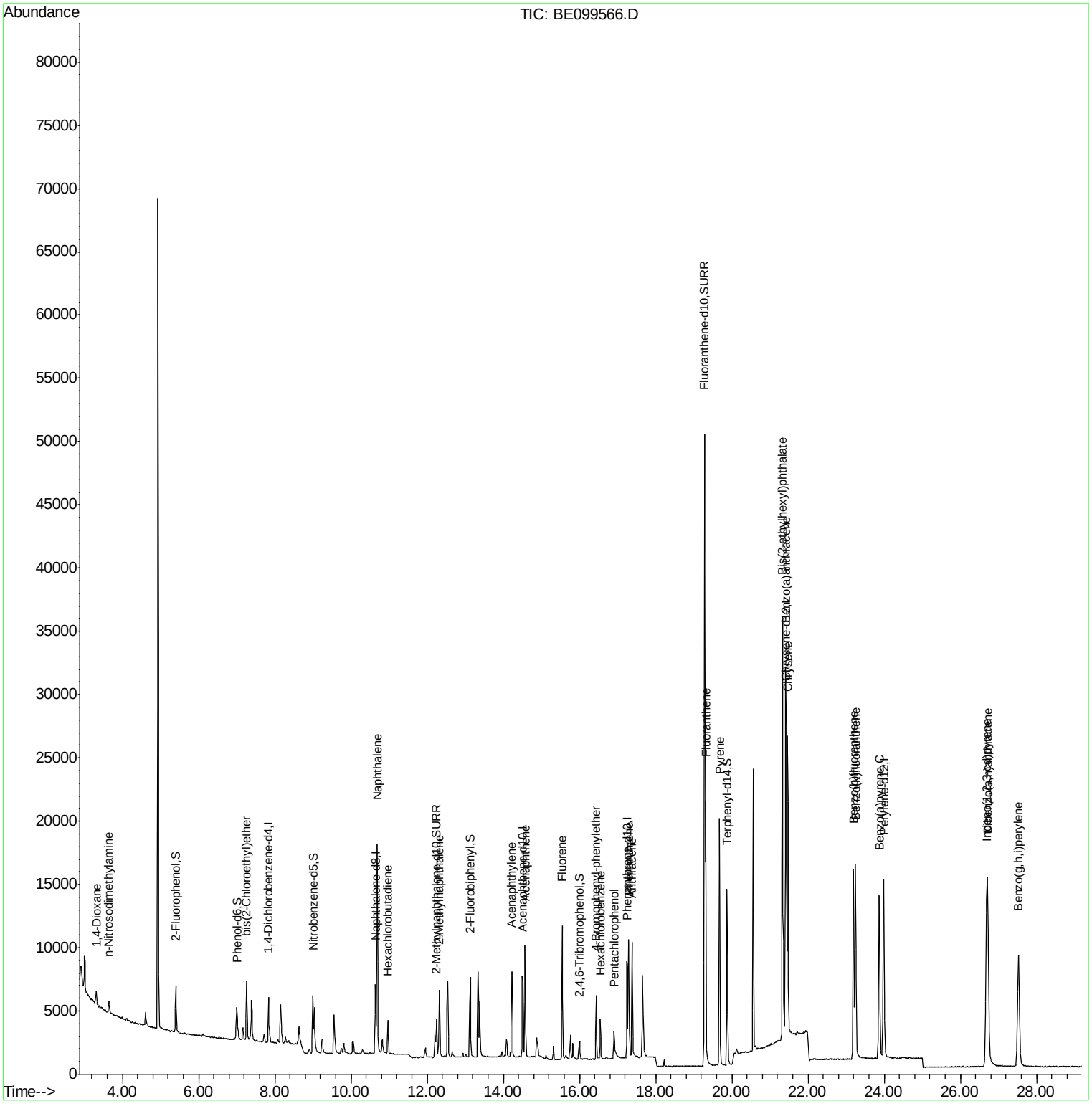
(#) = qualifier out of range (m) = manual integration (+) = signals summed

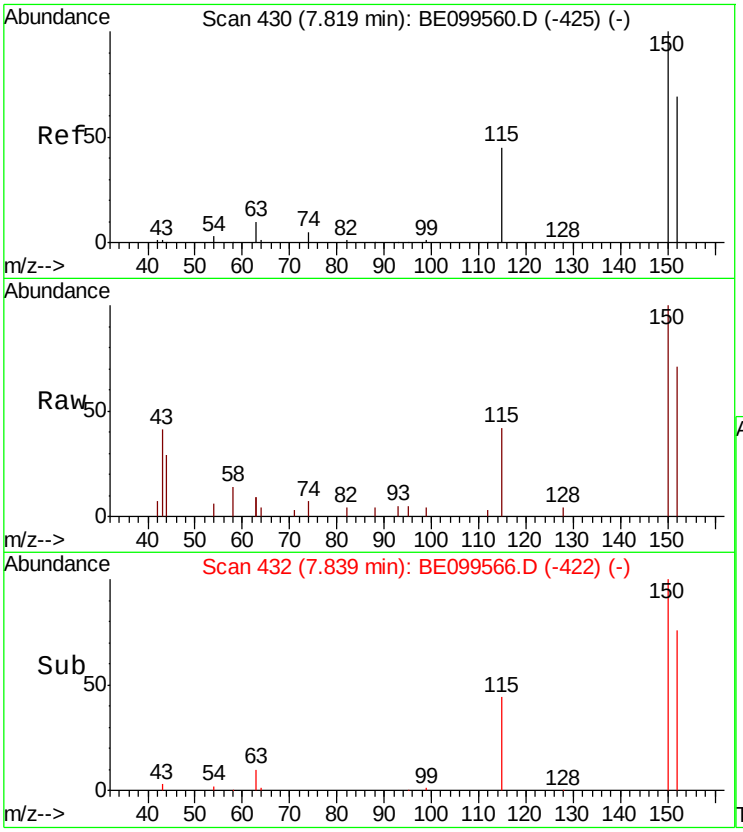
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
Data File : BE099566.D
Acq On : 7 May 2019 15:27
Operator : JU/SJ
Sample : PB119482BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Quant Time: May 07 16:03:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 14:10:11 2019
Response via : Initial Calibration



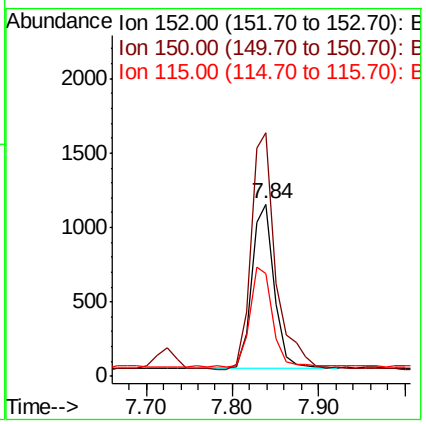


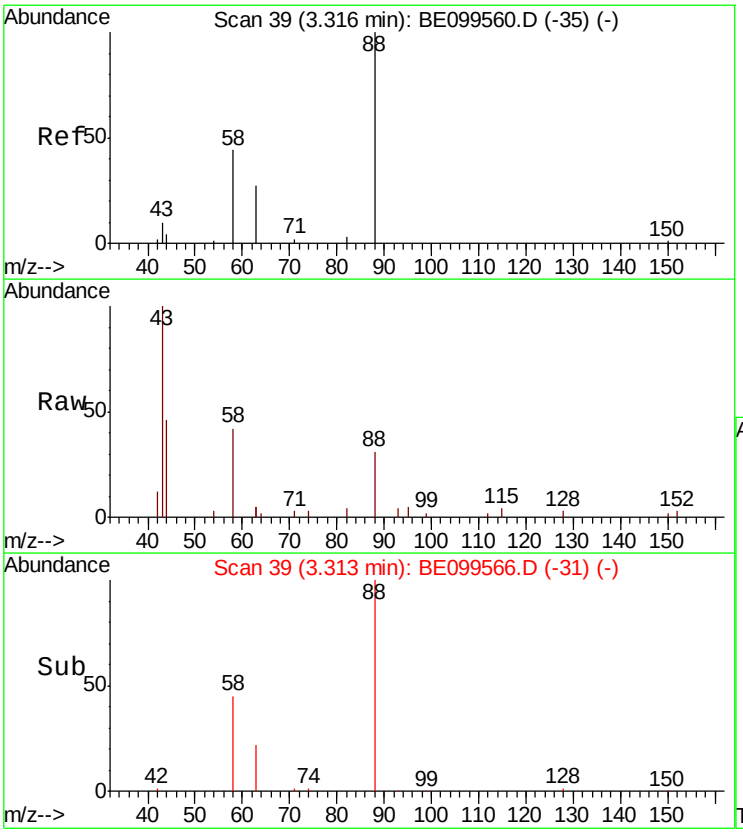
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.02 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:152 Resp: 2028

Ion	Ratio	Lower	Upper
152	100		
150	141.3	113.8	170.6
115	59.9	54.2	81.2

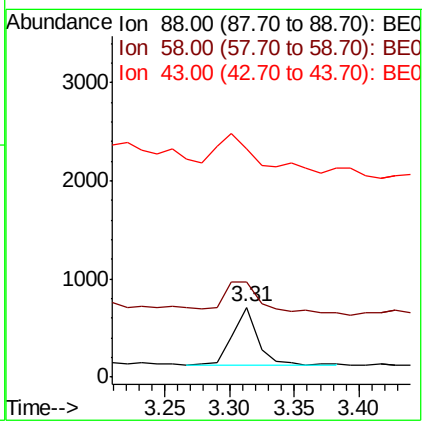


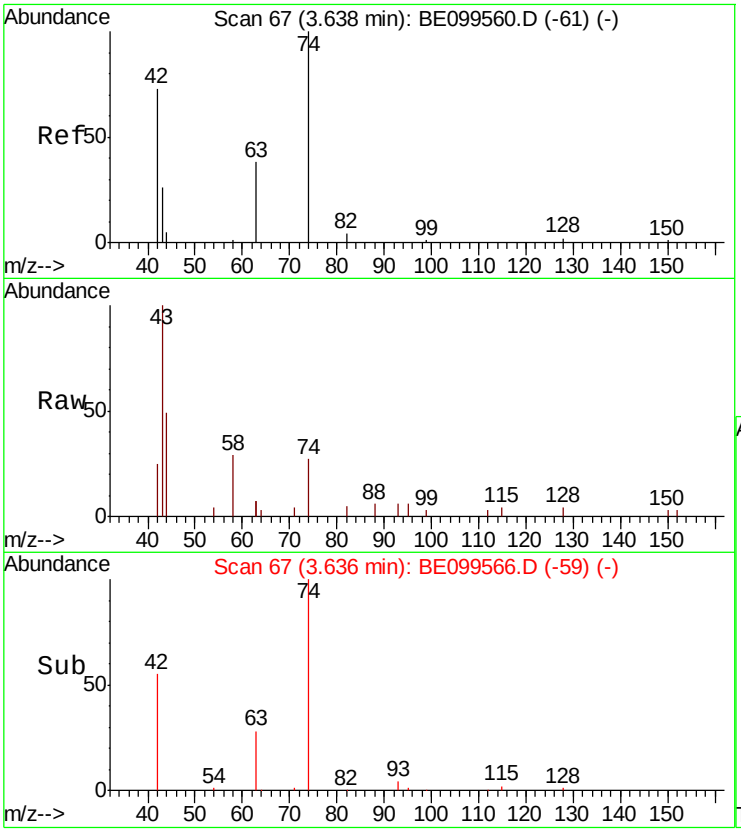


#2
1,4-Dioxane
Concen: 0.267 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion: 88 Resp: 765

Ion	Ratio	Lower	Upper
88	100		
58	80.7	46.6	69.8#
43	111.9	20.3	30.5#



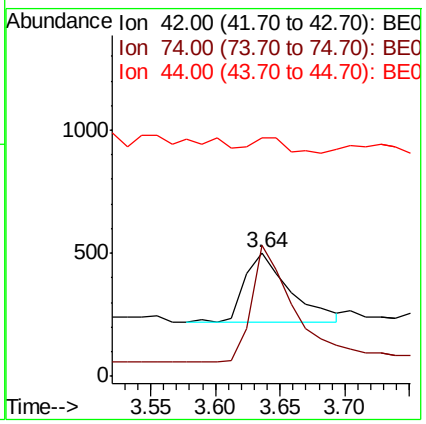


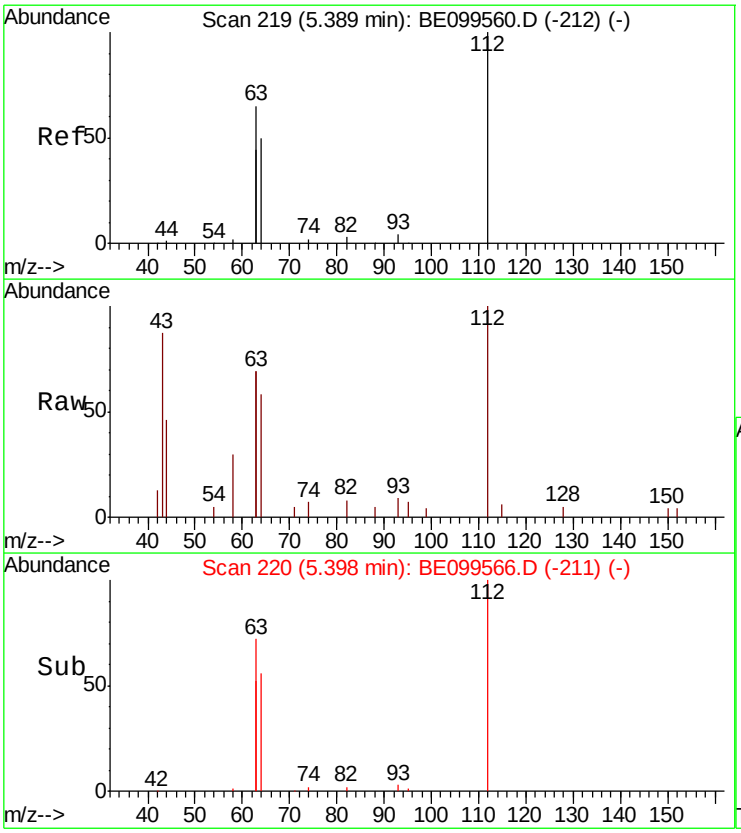
#3
n-Nitrosodimethylamine
Concen: 0.367 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion: 42 Resp: 695

Ion	Ratio	Lower	Upper
42	100		
74	158.6	121.3	181.9
44	14.8	0.0	0.0#

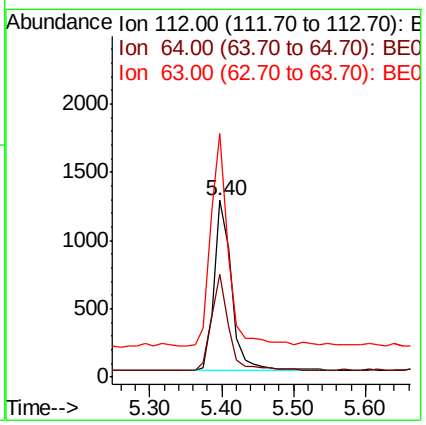


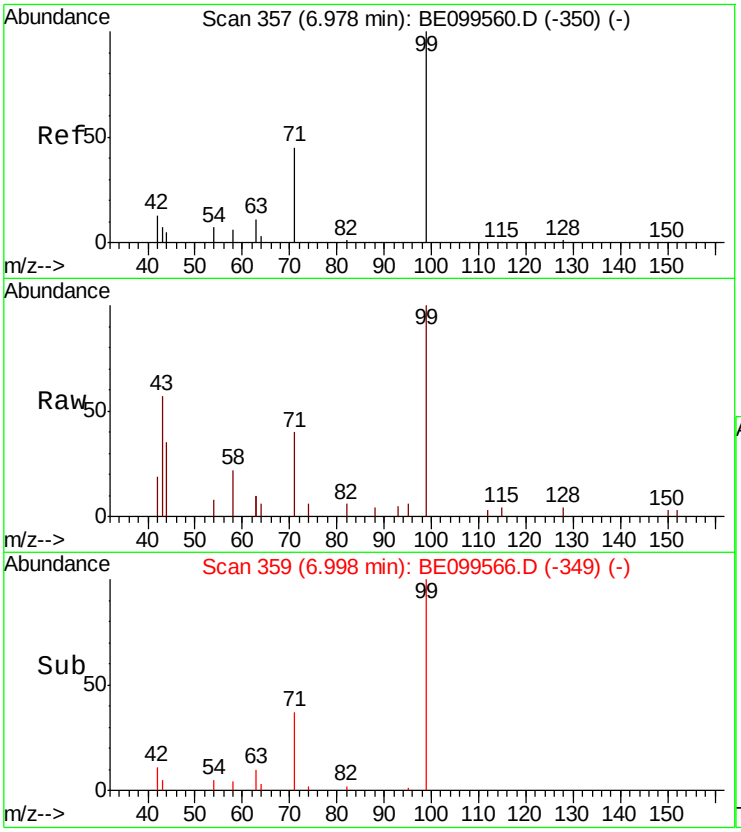


#4
2-Fluorophenol
Concen: 0.377 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:112 Resp: 2119

Ion	Ratio	Lower	Upper
112	100		
64	55.7	46.3	69.5
63	122.7	99.6	149.4



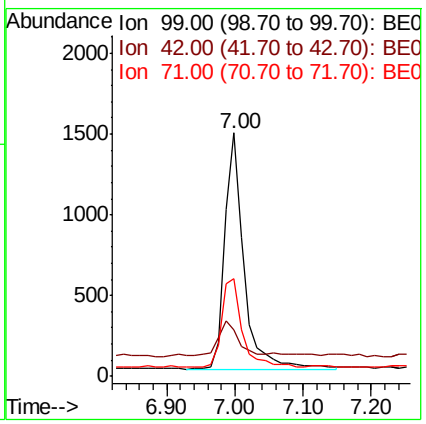


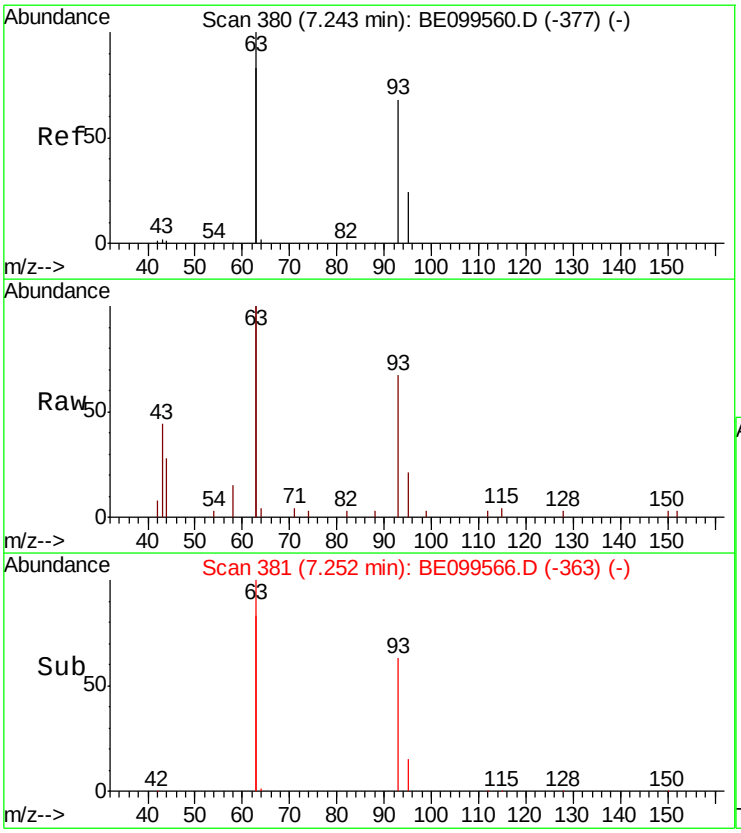
#5
Phenol-d6
Concen: 0.390 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.02 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion: 99 Resp: 2884

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.4	20.0
71	39.3	34.2	51.2

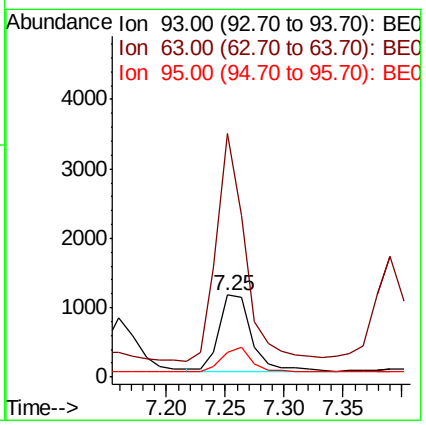


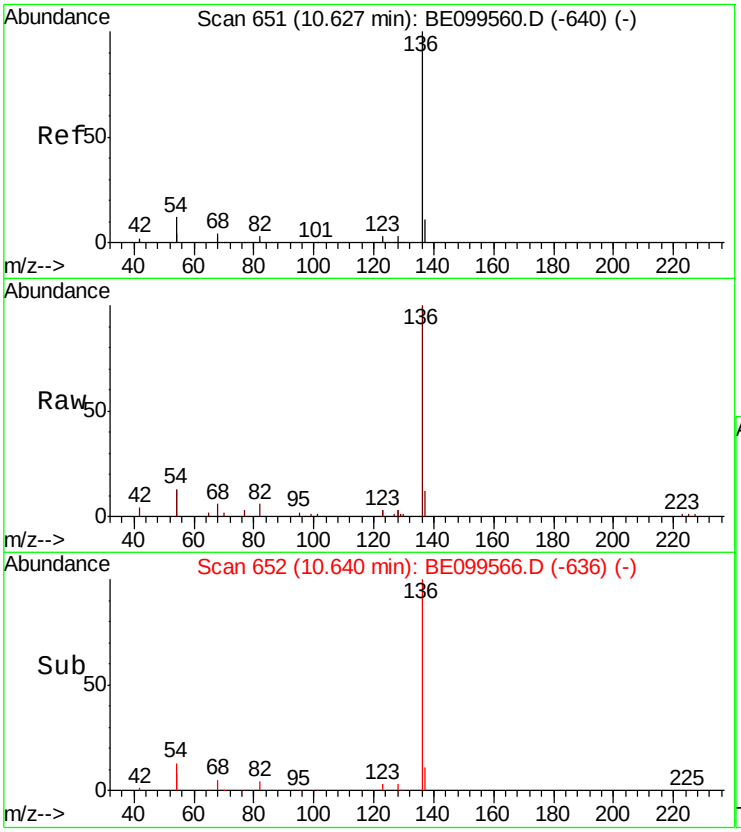


#6
bis(2-Chloroethyl)ether
Concen: 0.347 ng
RT: 7.25 min Scan# 381
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion: 93 Resp: 2139

Ion	Ratio	Lower	Upper
93	100		
63	255.8	209.0	313.4
95	30.0	26.9	40.3



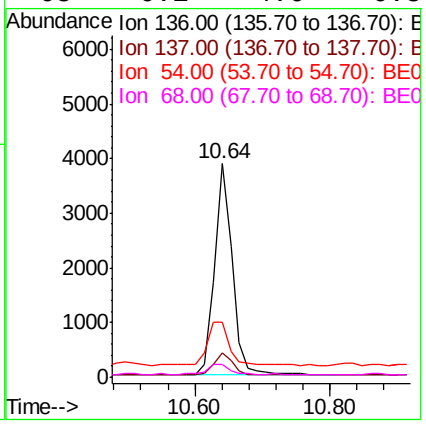


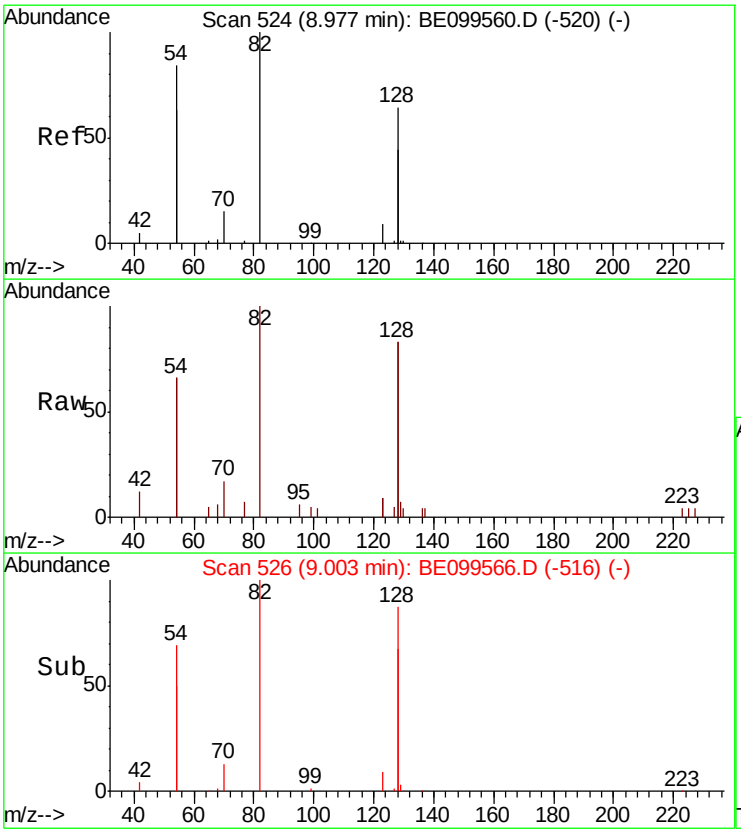
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:136 Resp: 7031

Ion	Ratio	Lower	Upper
136	100		
137	11.6	10.0	15.0
54	26.0	18.6	28.0
68	6.1	4.6	6.8

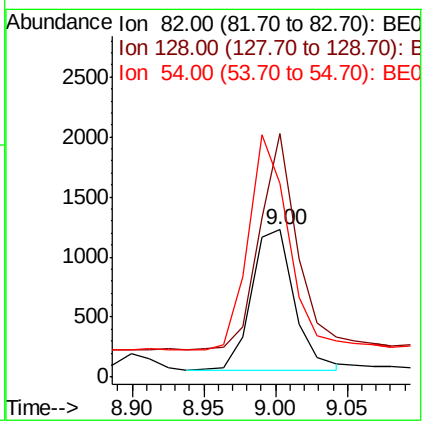


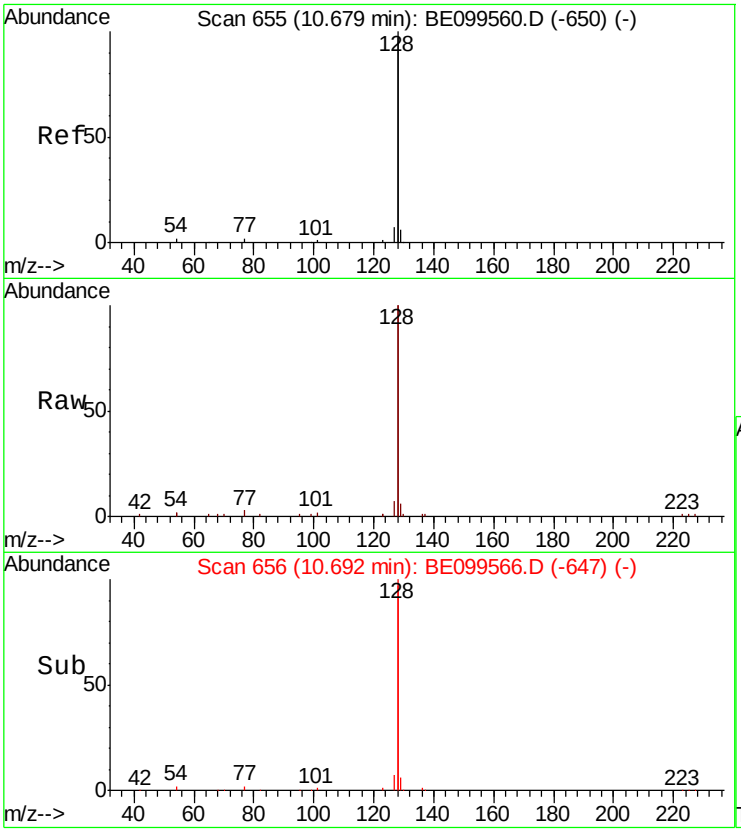


#8
Nitrobenzene-d5
Concen: 0.360 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.03 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion: 82 Resp: 2438

Ion	Ratio	Lower	Upper
82	100		
128	165.3	97.6	146.4#
54	131.4	127.4	191.2



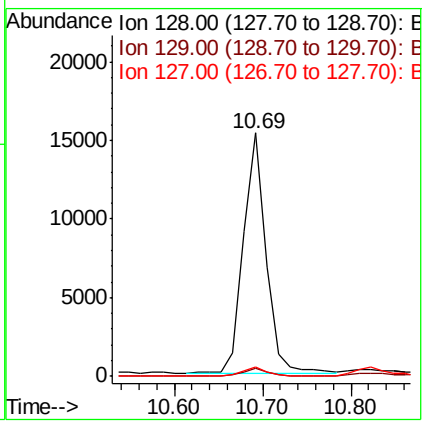


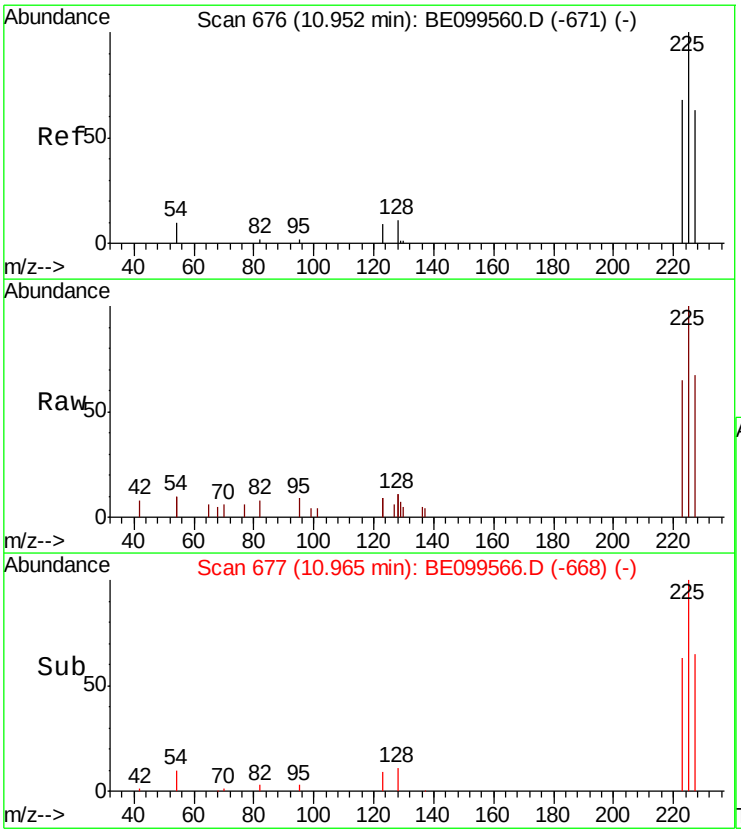
#9
Naphthalene
Concen: 0.360 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:128 Resp: 26817

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.6	3.0	4.4

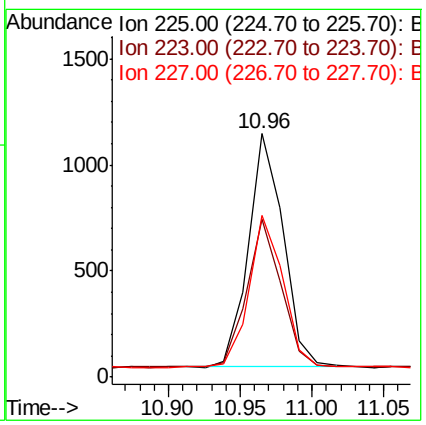


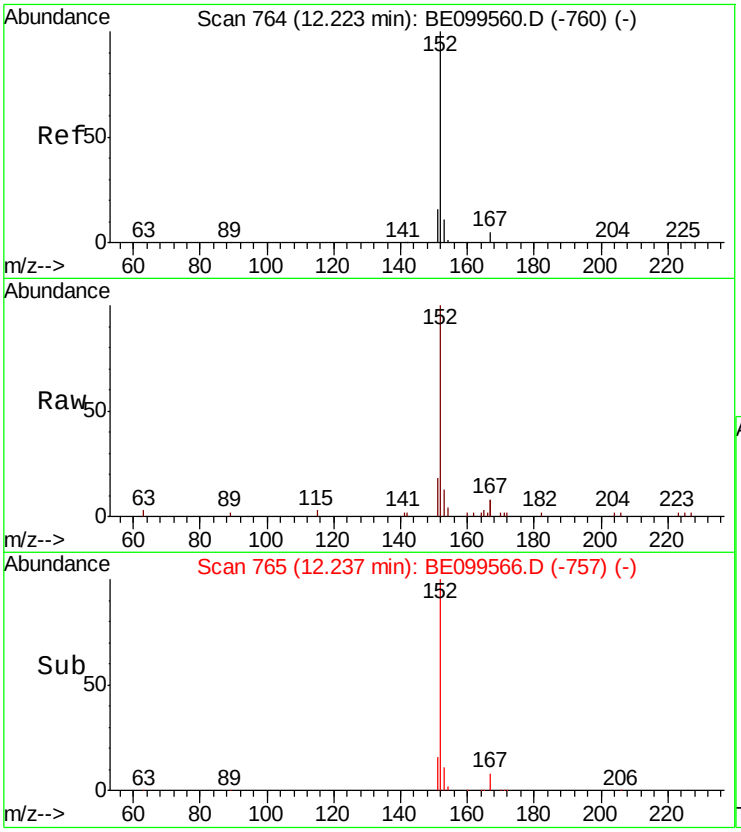


#10
Hexachlorobutadiene
Concen: 0.342 ng
RT: 10.96 min Scan# 677
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:225 Resp: 1852

Ion	Ratio	Lower	Upper
225	100		
223	62.3	53.0	79.6
227	64.0	51.4	77.0



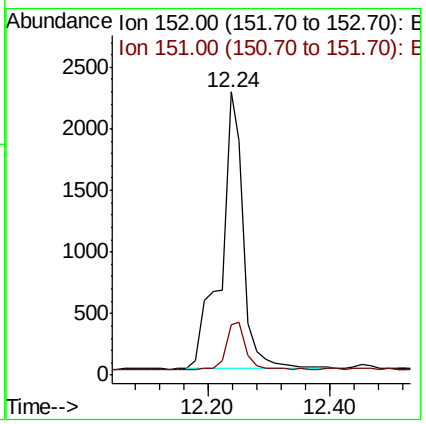


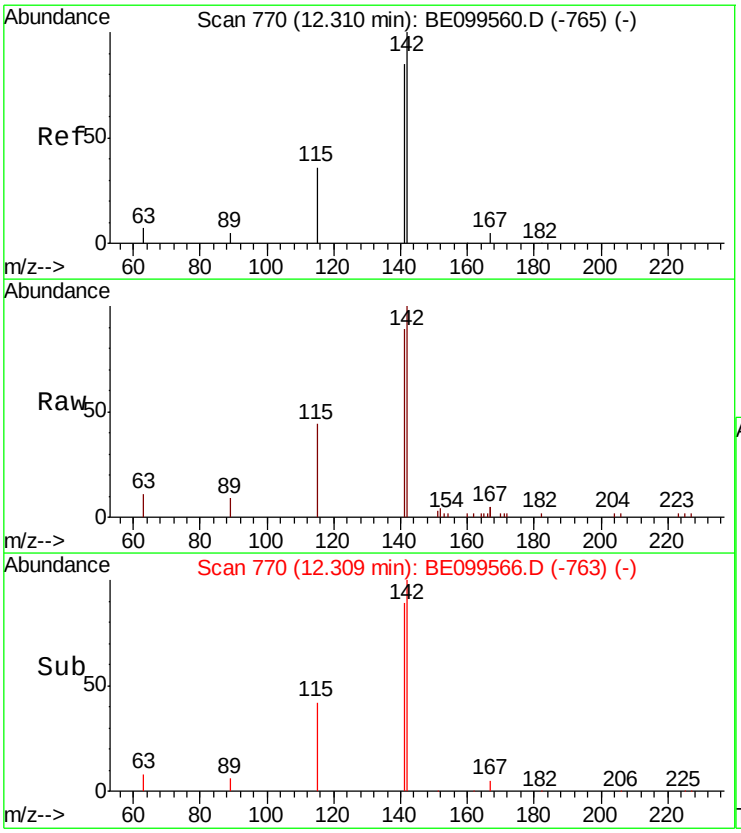
#11
2-Methylnaphthalene-d10
Concen: 0.477 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:152 Resp: 5847

Ion	Ratio	Lower	Upper
152	100		
151	14.8	15.8	23.8#

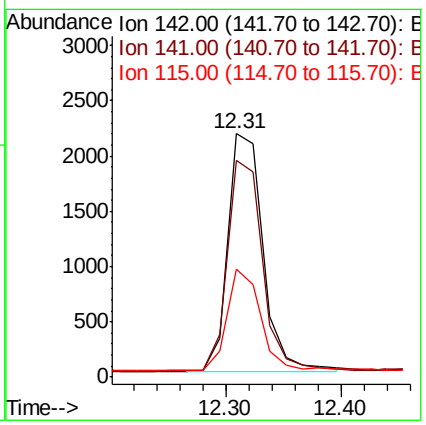


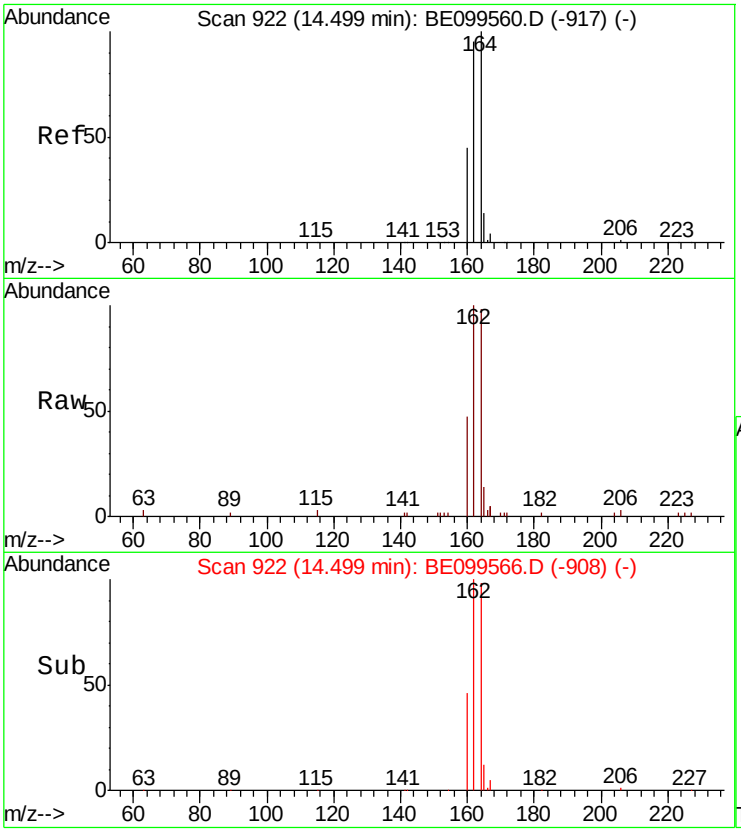


#12
2-Methylnaphthalene
Concen: 0.359 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:142 Resp: 4537

Ion	Ratio	Lower	Upper
142	100		
141	89.2	68.1	102.1
115	44.1	30.8	46.2



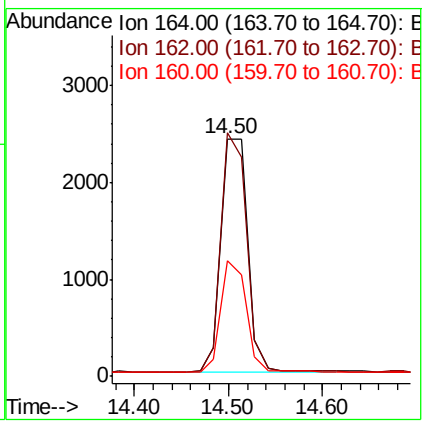


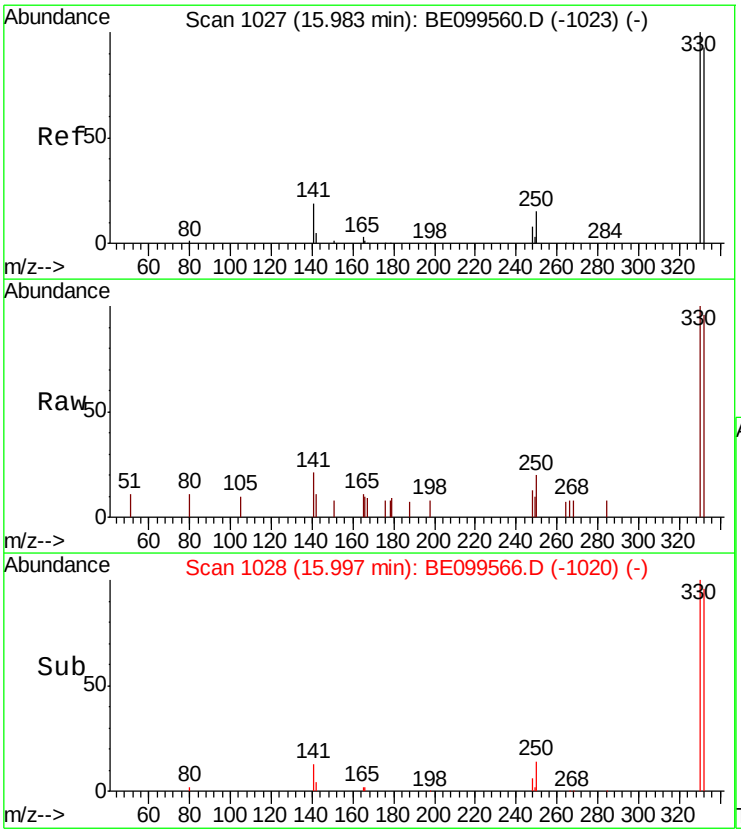
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:164 Resp: 4729

Ion	Ratio	Lower	Upper
164	100		
162	102.4	76.4	114.6
160	48.5	36.6	55.0

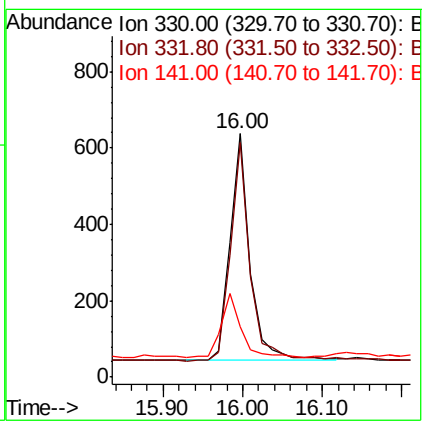


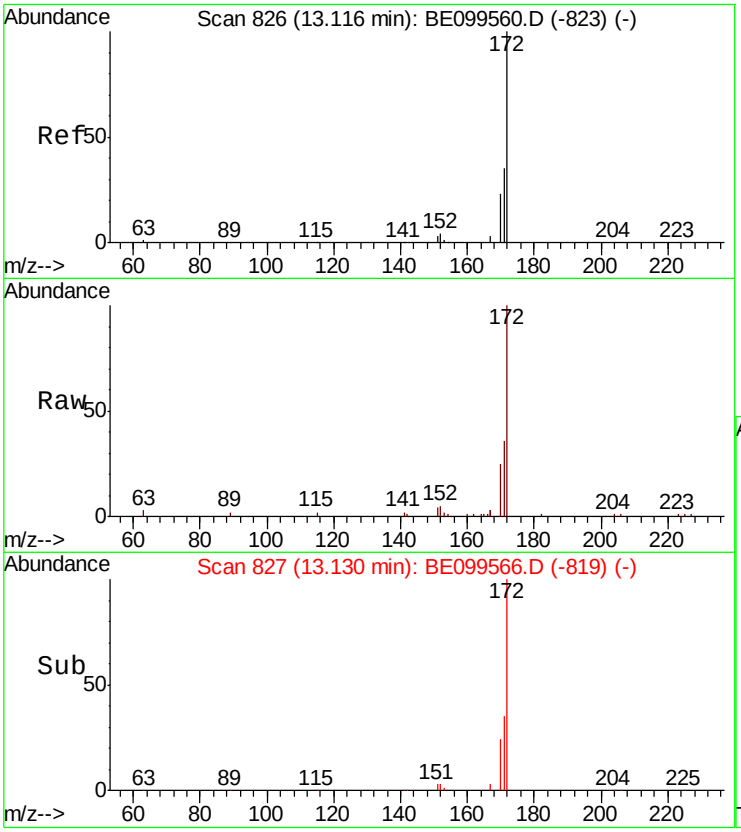


#14
2,4,6-Tribromophenol
Concen: 0.328 ng
RT: 16.00 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:330 Resp: 1032

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.7	116.5
141	28.0	26.1	39.1



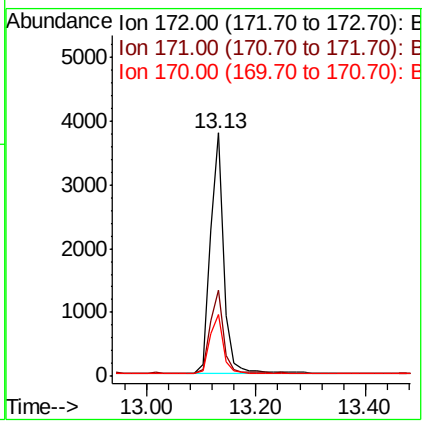


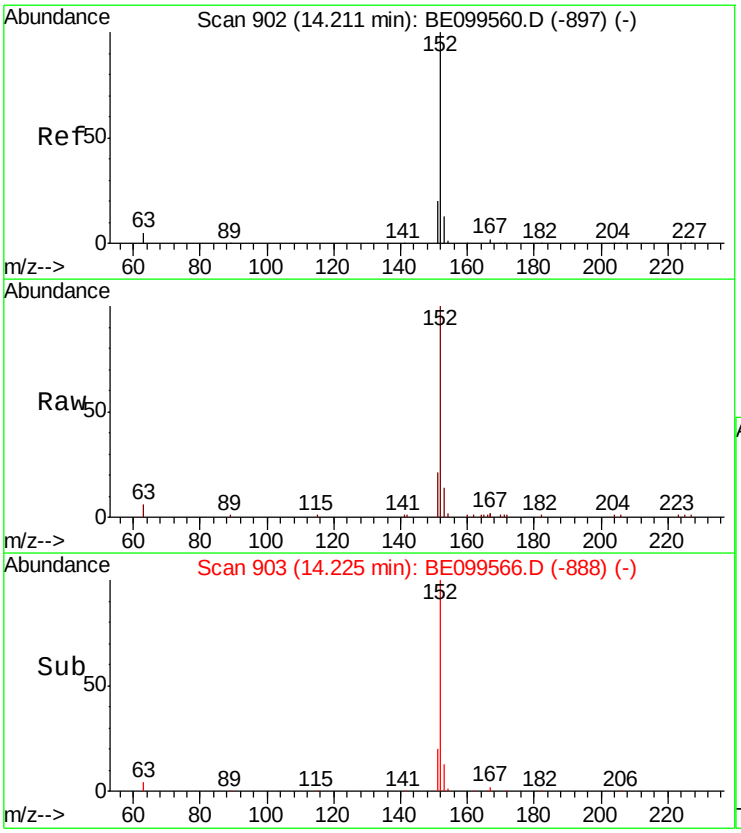
#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:172 Resp: 6532

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	25.2	18.8	28.2

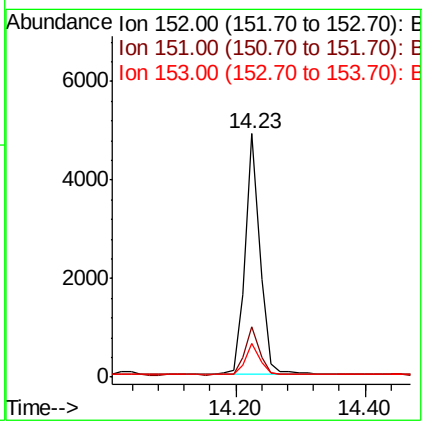


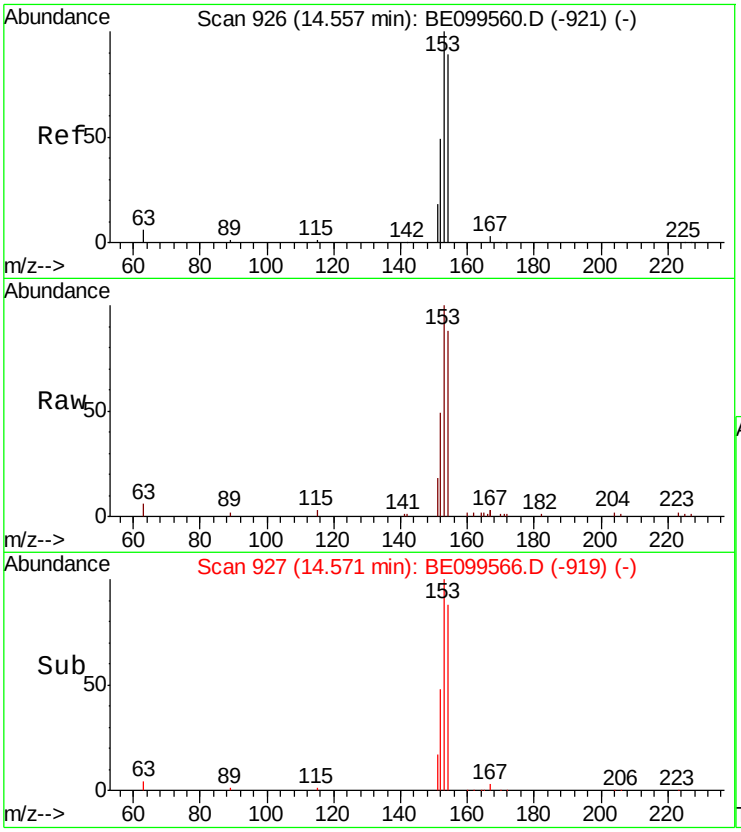


#16
Acenaphthylene
Concen: 0.340 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:152 Resp: 7756

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	12.6	10.5	15.7



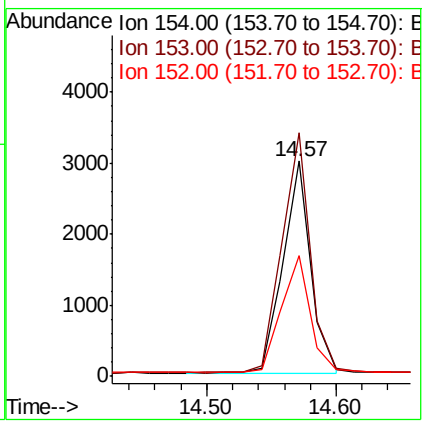


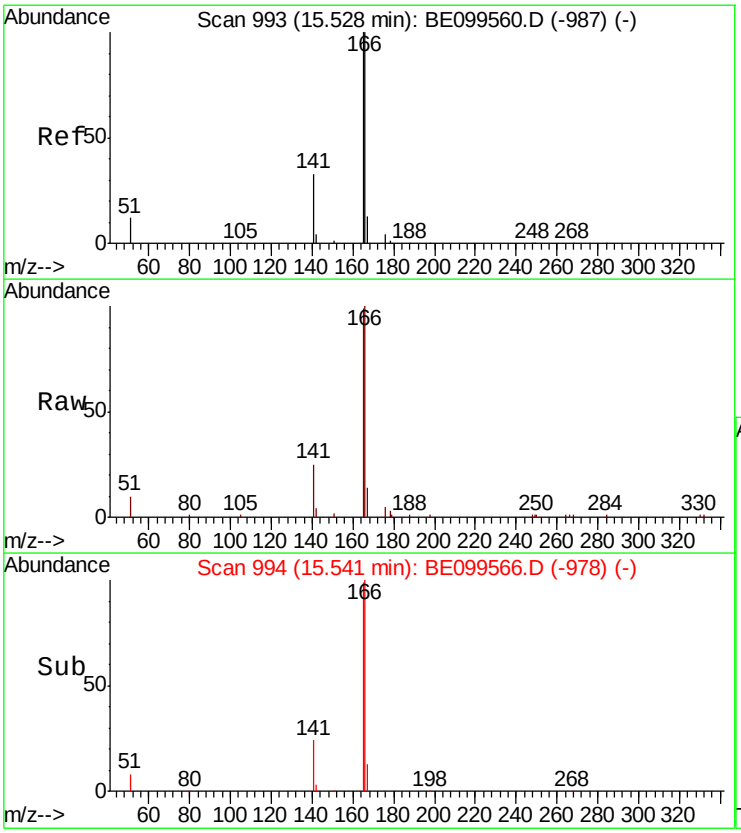
#17
Acenaphthene
Concen: 0.347 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:154 Resp: 4429

Ion	Ratio	Lower	Upper
154	100		
153	115.7	89.7	134.5
152	56.6	43.9	65.9

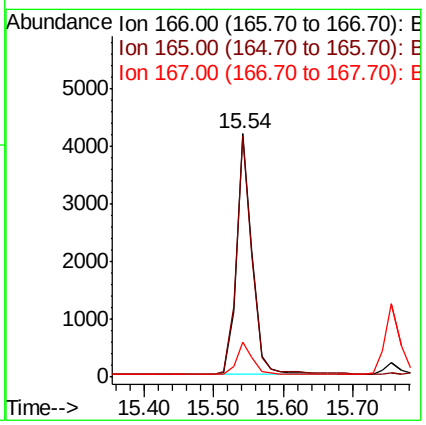


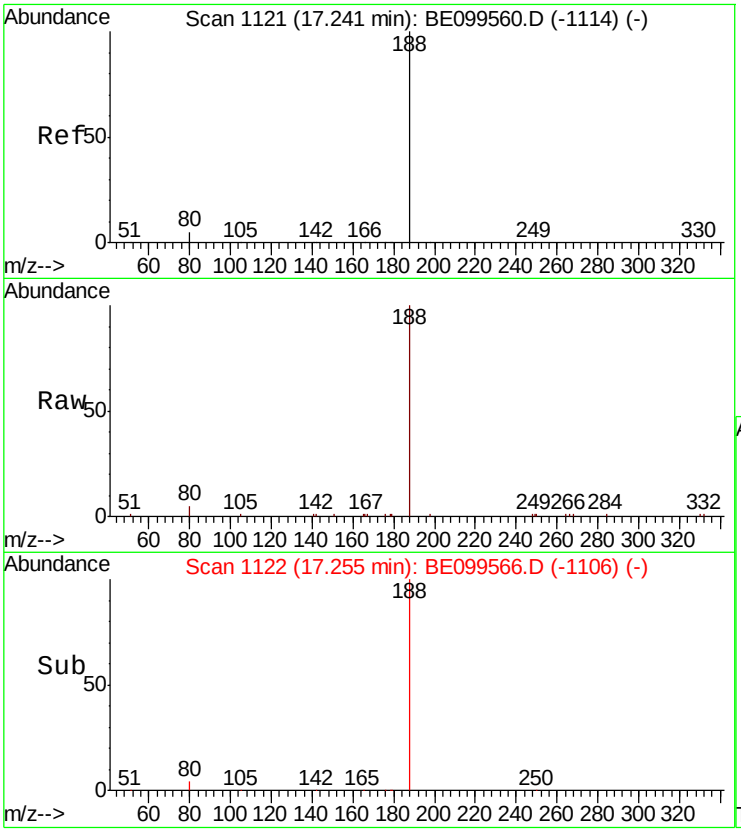


#18
Fluorene
Concen: 0.352 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:166 Resp: 6408

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.0	118.6
167	13.2	11.5	17.3



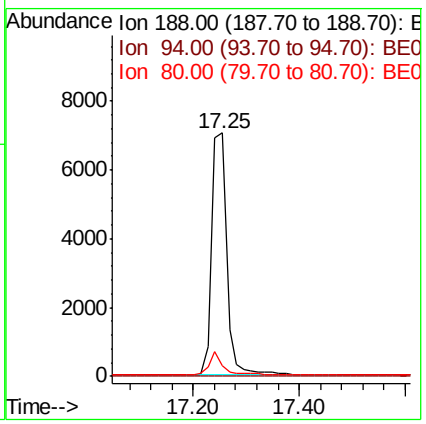


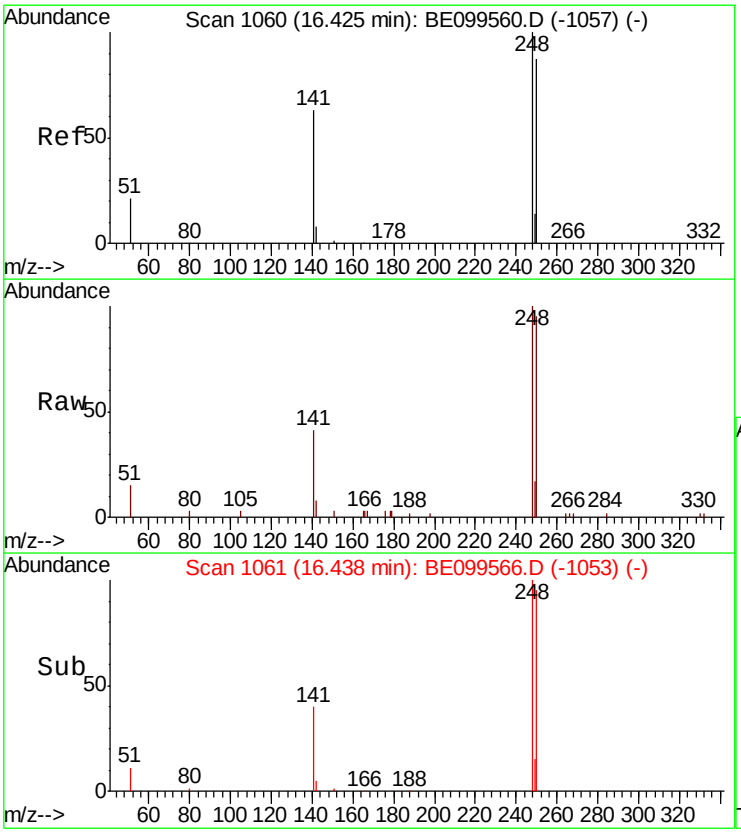
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:188 Resp: 13644

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.6	4.6	7.0#

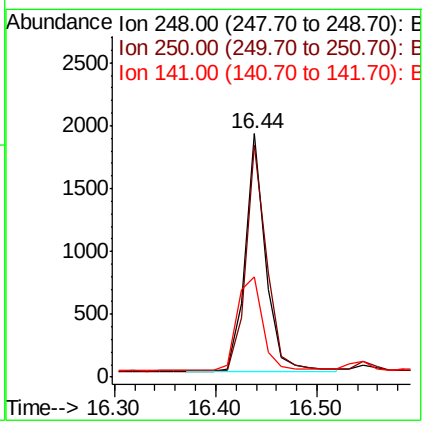


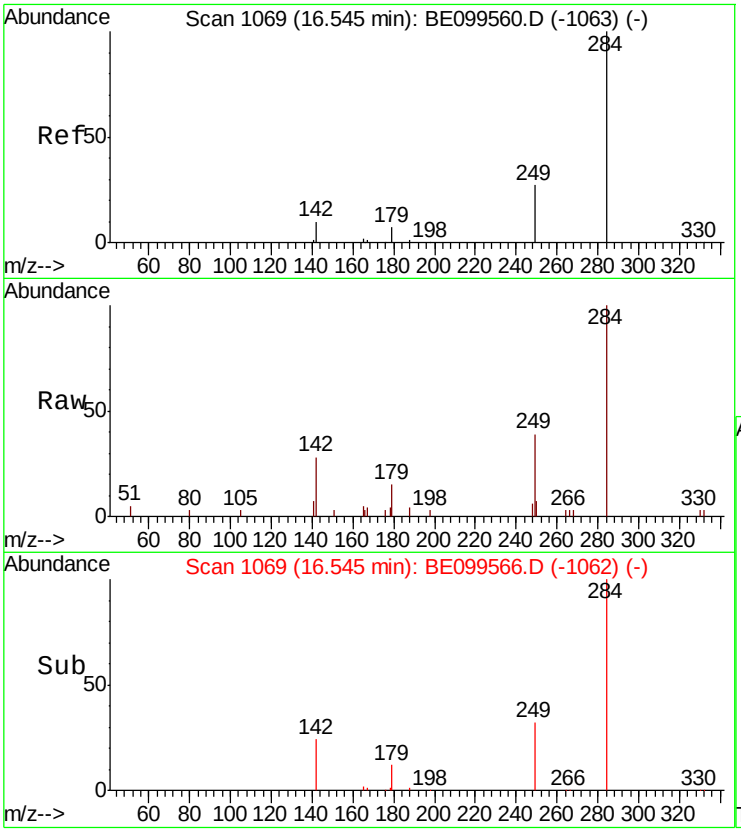


#20
4-Bromophenyl-phenylether
Concen: 0.347 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:248 Resp: 2690

Ion	Ratio	Lower	Upper
248	100		
250	95.3	70.0	105.0
141	41.3	51.8	77.8#



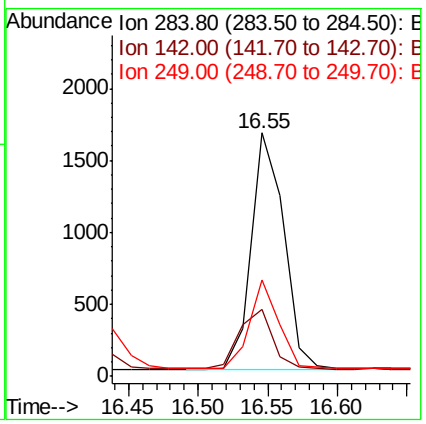


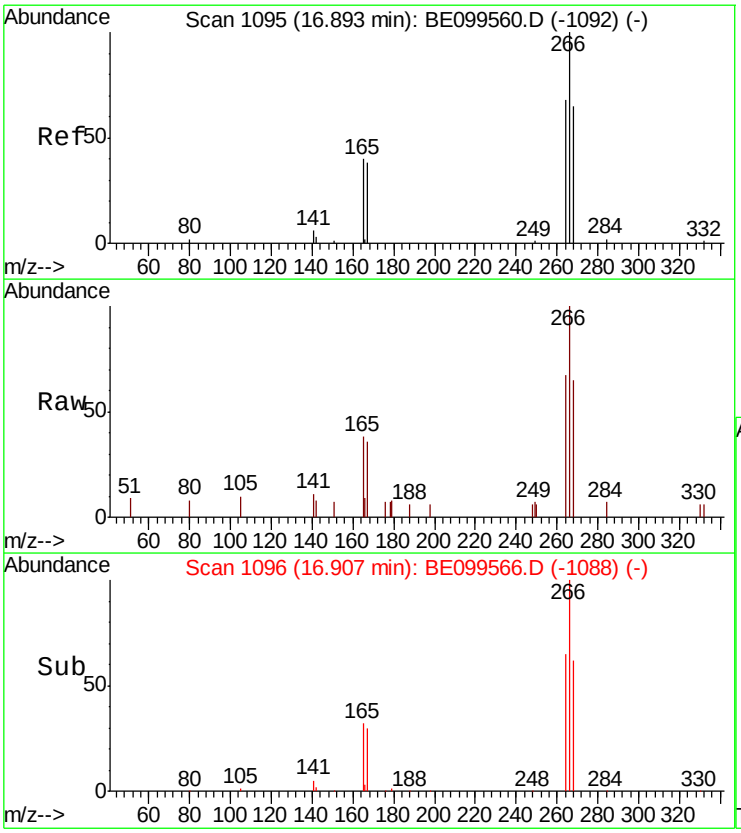
#21
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:284 Resp: 2689

Ion	Ratio	Lower	Upper
284	100		
142	26.0	19.5	29.3
249	33.0	26.2	39.2

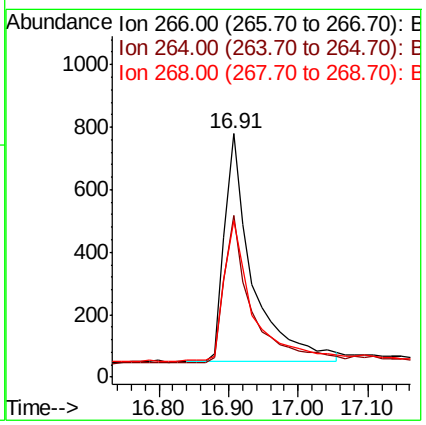


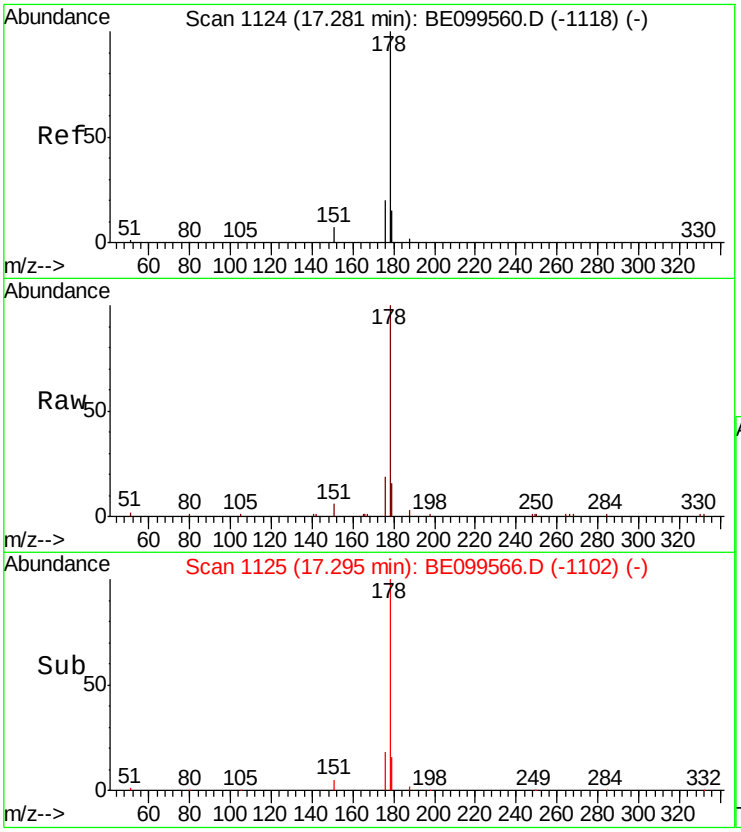


#22
Pentachlorophenol
Concen: 0.636 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:266 Resp: 2018

Ion	Ratio	Lower	Upper
266	100		
264	66.6	56.6	84.8
268	64.6	55.8	83.8



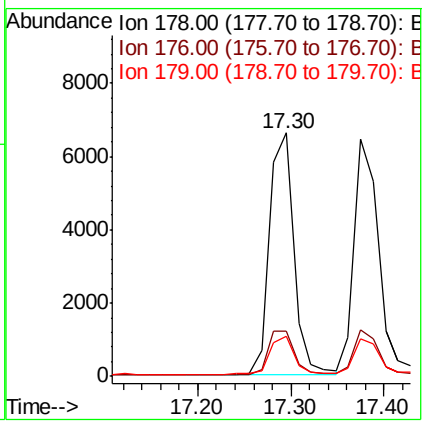


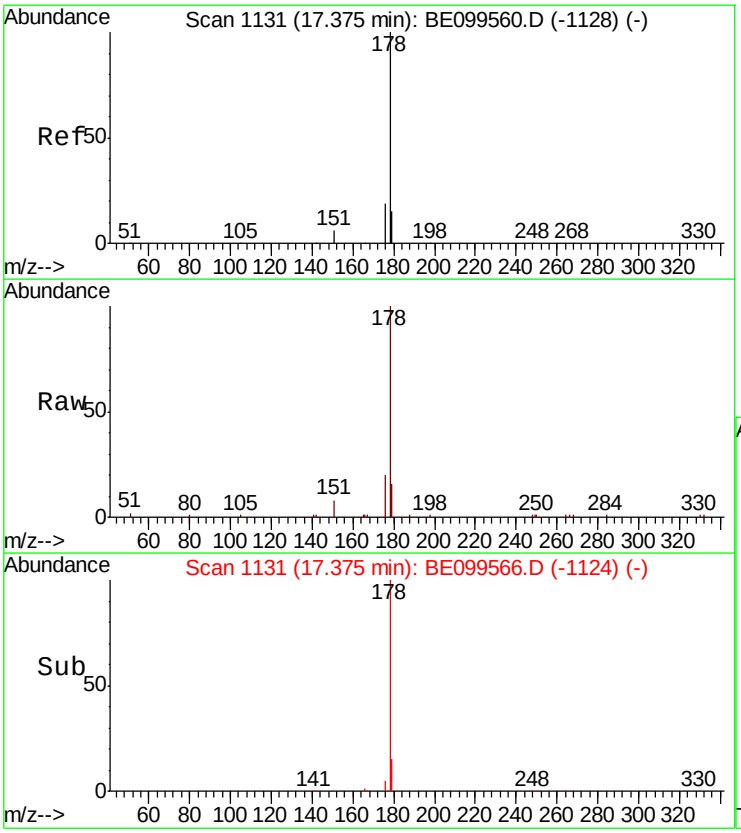
#23
Phenanthrene
Concen: 0.359 ng
RT: 17.30 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:178 Resp: 12062

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.8	12.5	18.7

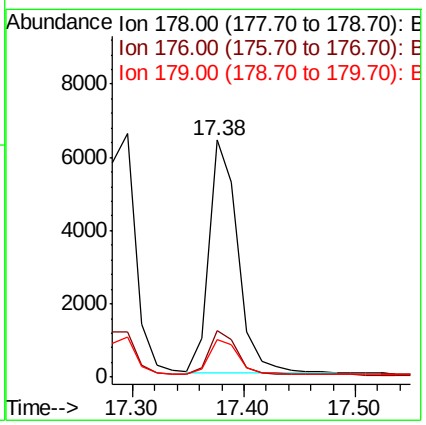


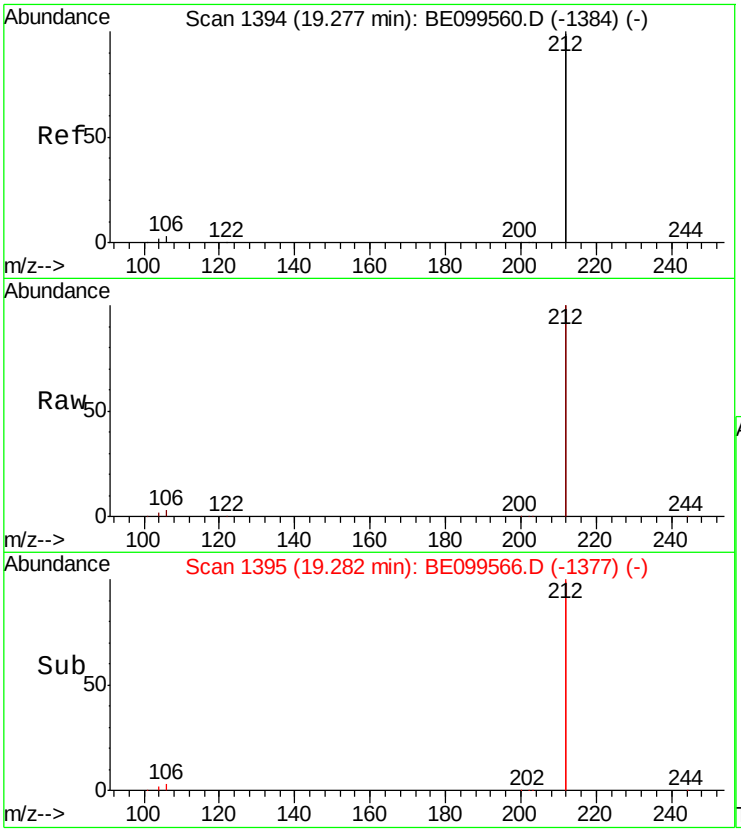


#24
Anthracene
Concen: 0.352 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:178 Resp: 11386

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.2	18.4



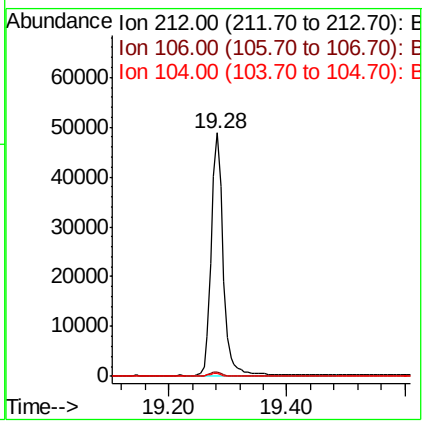


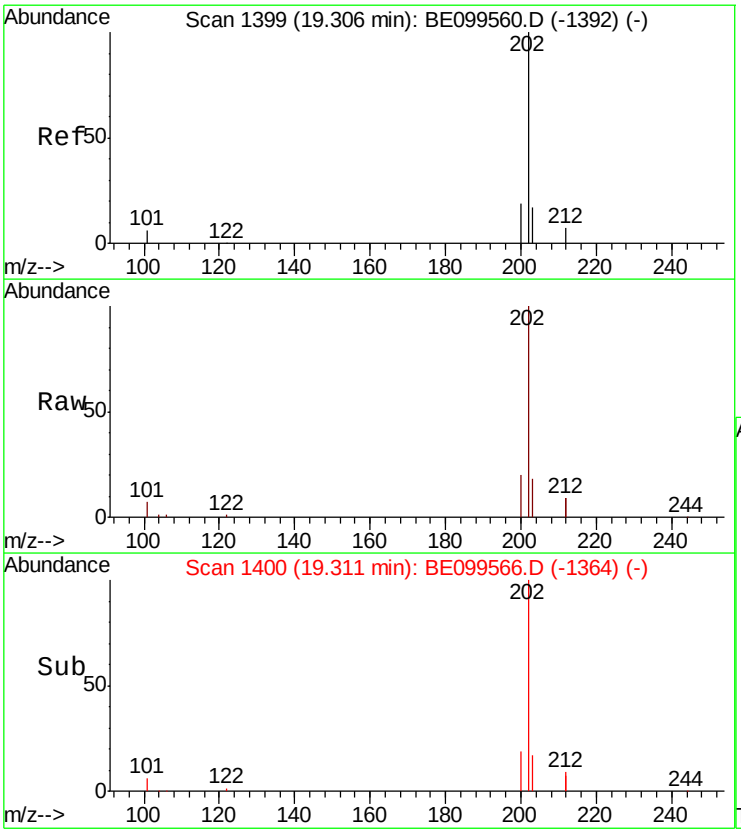
#25
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:212 Resp: 68888

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.0
104	1.0	0.8	1.2

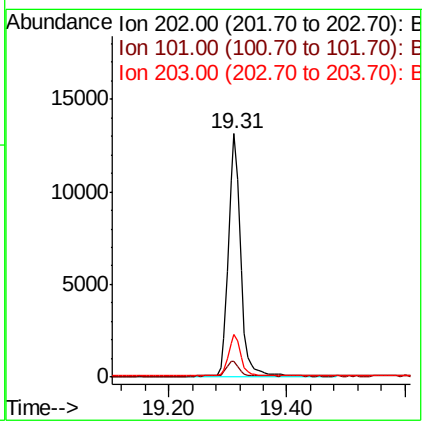


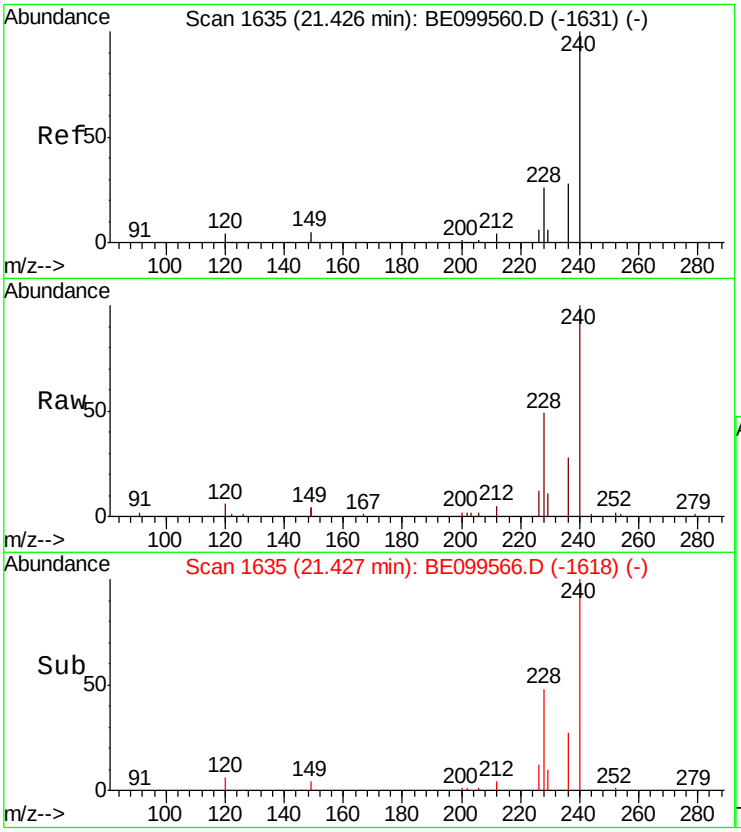


#26
Fluoranthene
Concen: 0.362 ng
RT: 19.31 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:202 Resp: 18738

Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.3	7.9
203	17.1	13.4	20.2



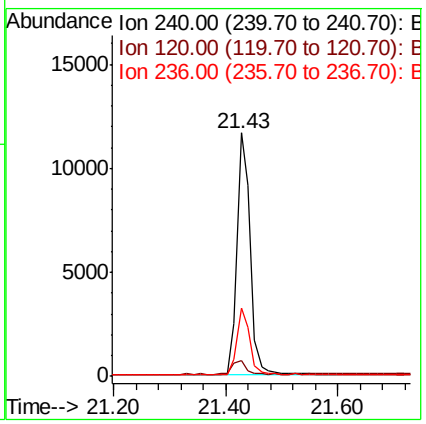


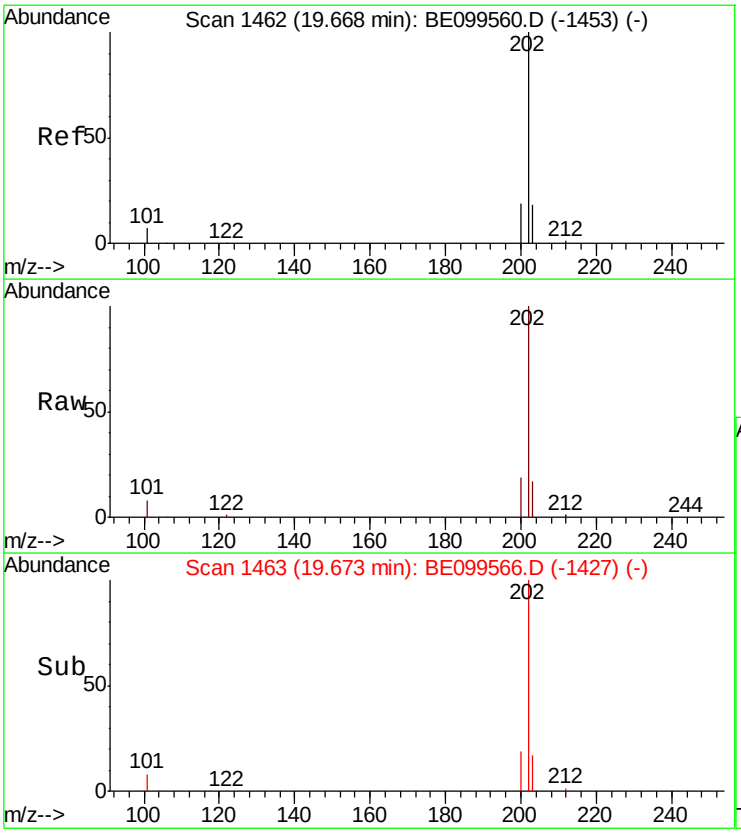
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:240 Resp: 19088

Ion	Ratio	Lower	Upper
240	100		
120	6.5	3.8	5.6#
236	28.0	22.5	33.7

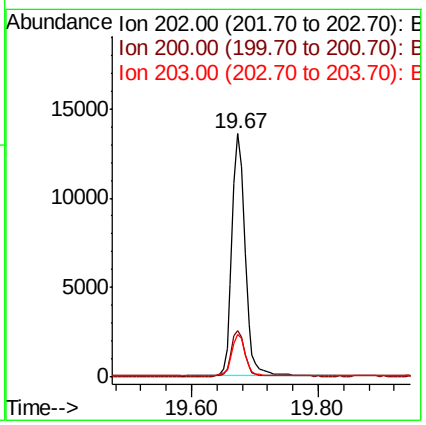


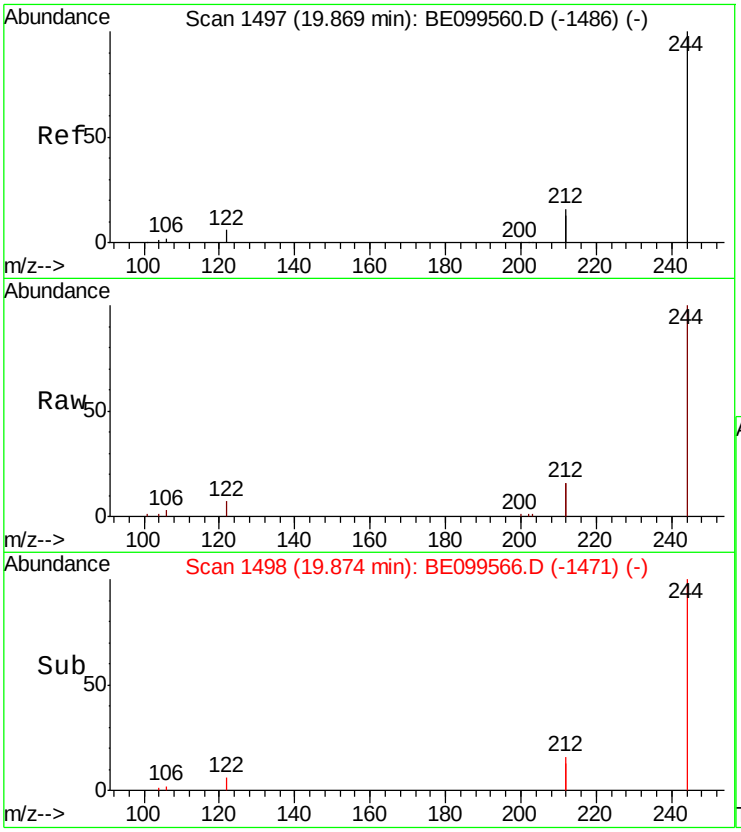


#28
Pyrene
Concen: 0.383 ng
RT: 19.67 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:202 Resp: 19564

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.8	23.6
203	17.9	14.1	21.1



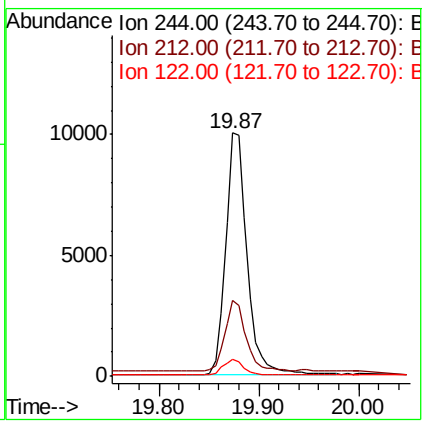


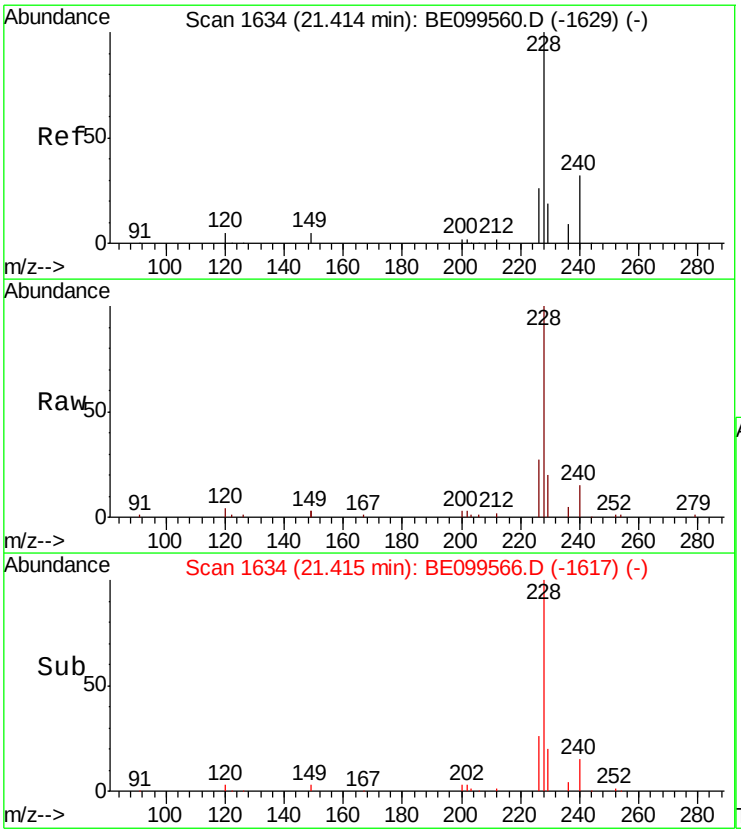
#29
Terphenyl-d14
Concen: 0.423 ng
RT: 19.87 min Scan# 1498
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:244 Resp: 14969

Ion	Ratio	Lower	Upper
244	100		
212	31.2	24.6	37.0
122	6.8	5.0	7.6

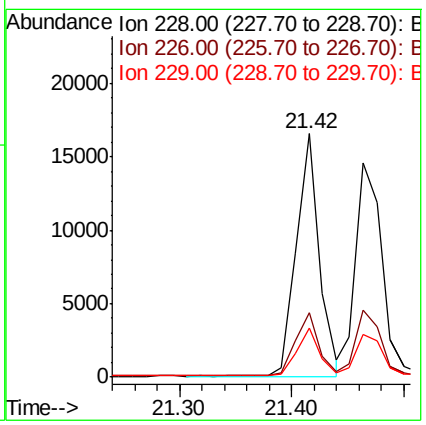


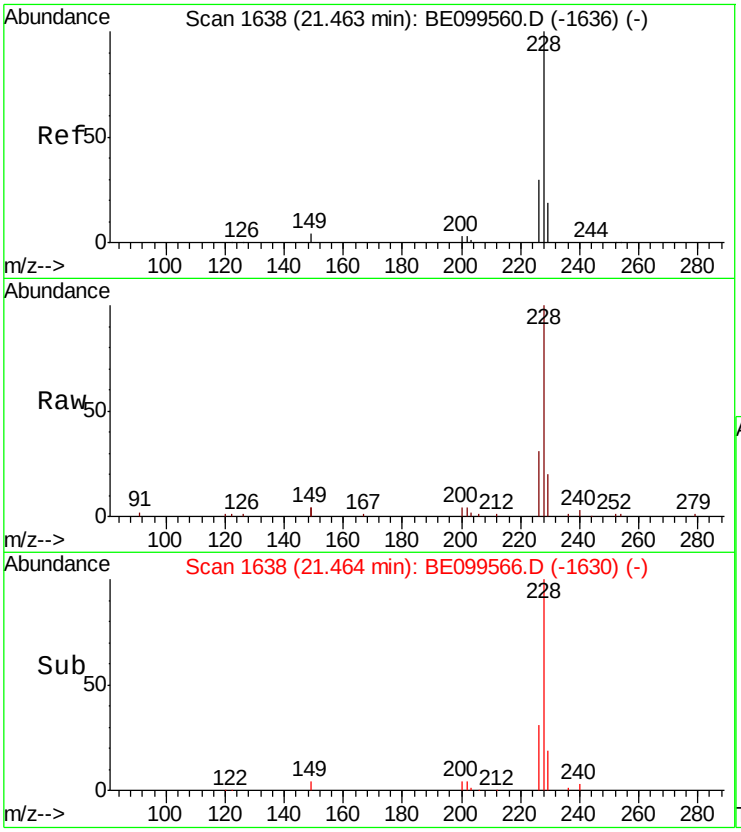


#30
Benzo(a)anthracene
Concen: 0.395 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:228 Resp: 23369

Ion	Ratio	Lower	Upper
228	100		
226	26.7	20.9	31.3
229	20.2	16.1	24.1



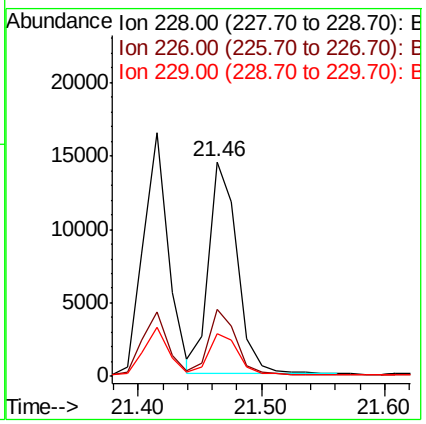


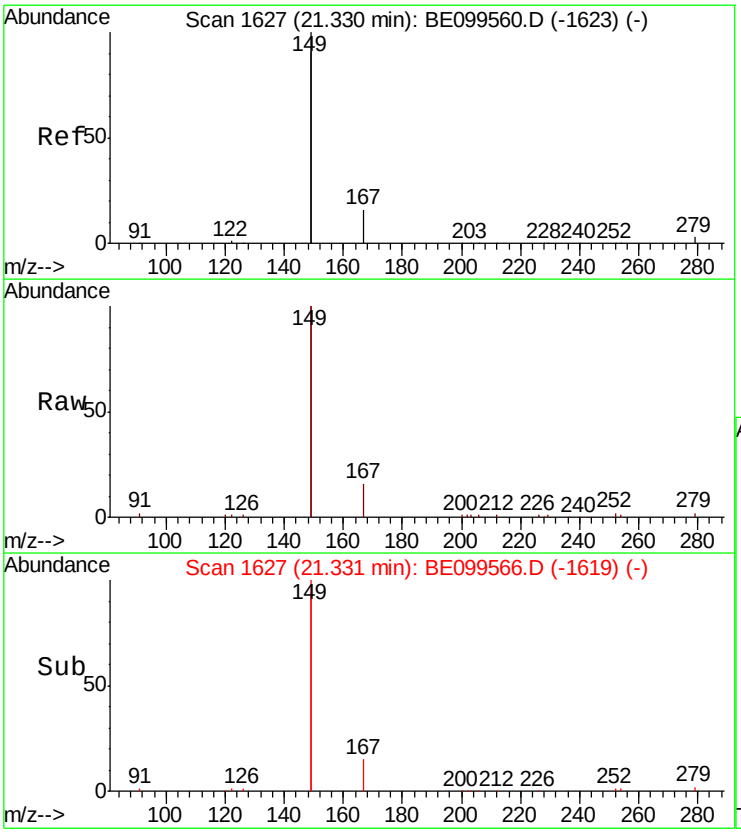
#31
Chrysene
Concen: 0.398 ng
RT: 21.46 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:228 Resp: 23219

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.4
229	19.6	15.8	23.6

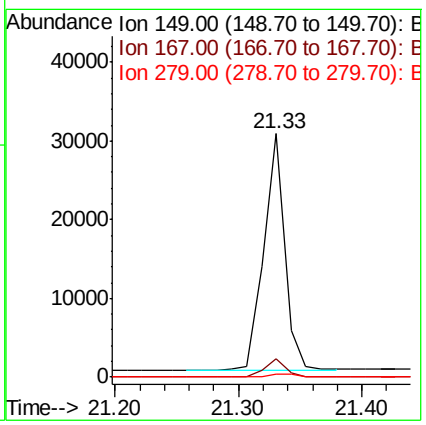


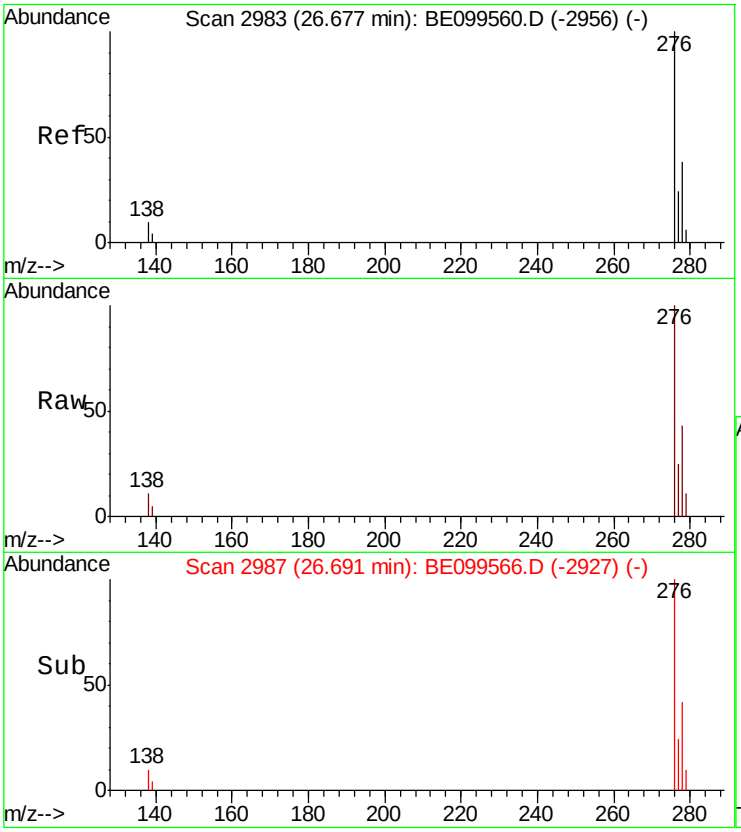


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.387 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:149 Resp: 36232

Ion	Ratio	Lower	Upper
149	100		
167	7.2	6.1	9.1
279	1.4	1.3	1.9



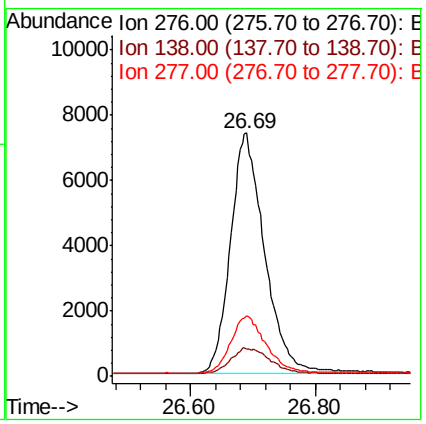


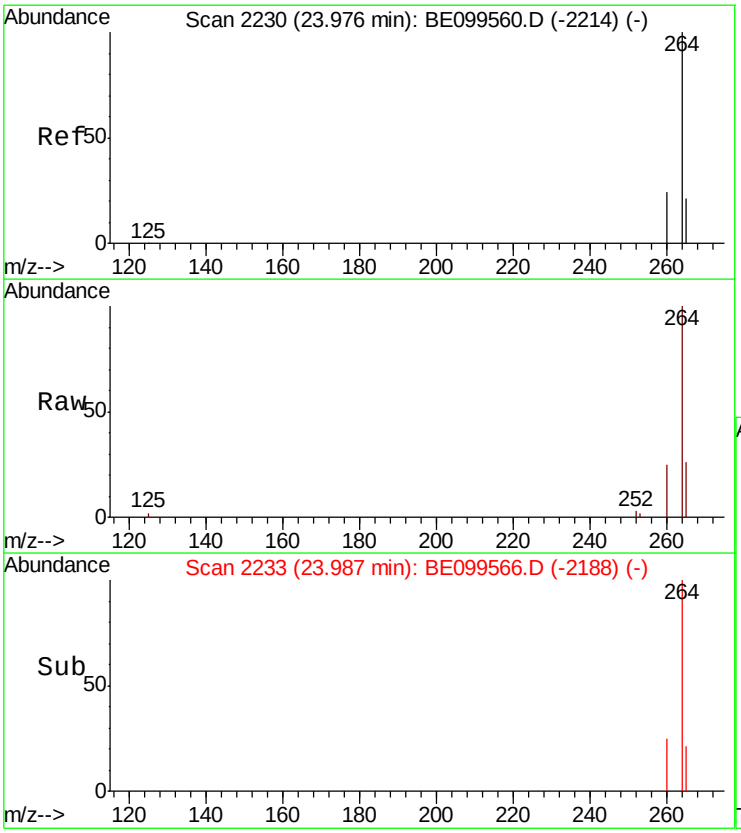
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.406 ng
RT: 26.69 min Scan# 2987
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:276 Resp: 28169

Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.5	14.3
277	24.1	19.7	29.5

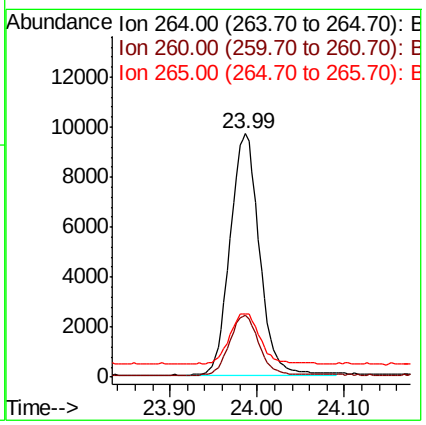


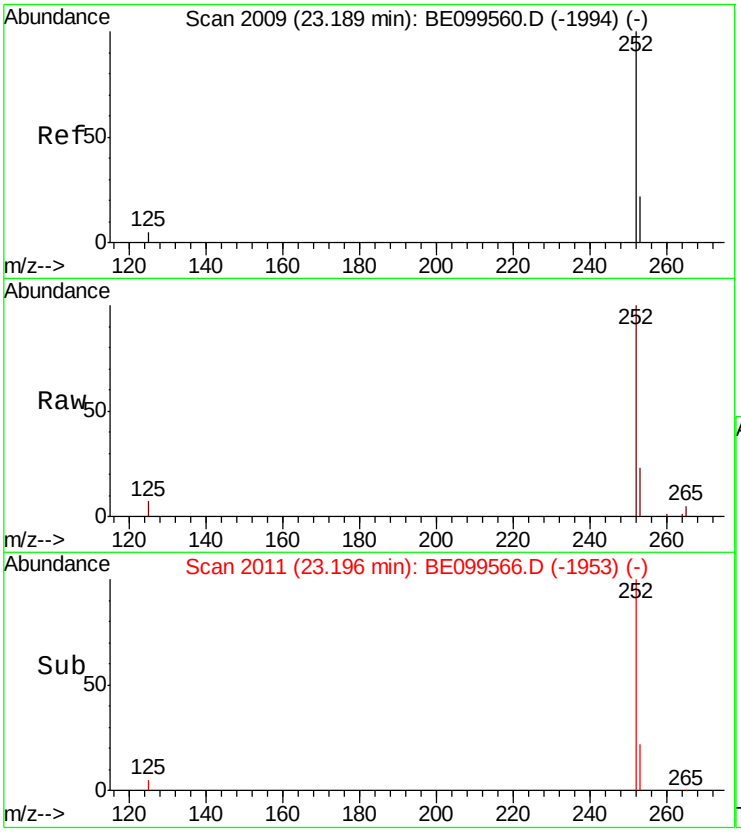


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:264 Resp: 22576

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.9	29.9
265	26.0	22.2	33.2



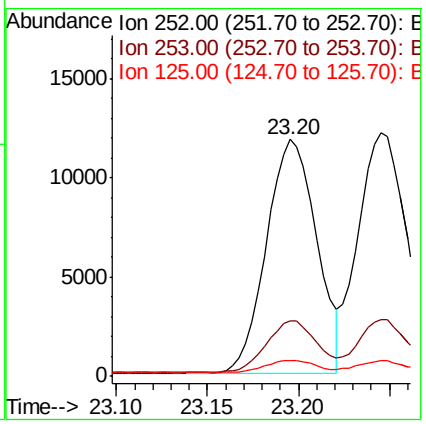


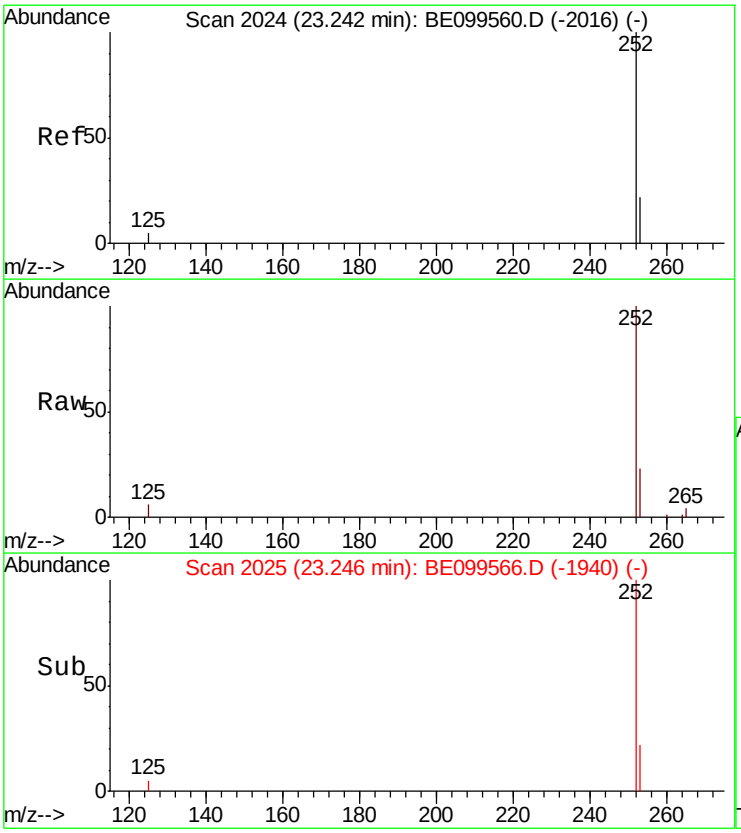
#35
Benzo(b)fluoranthene
Concen: 0.364 ng
RT: 23.20 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:252 Resp: 22667

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.4
125	6.9	5.8	8.6

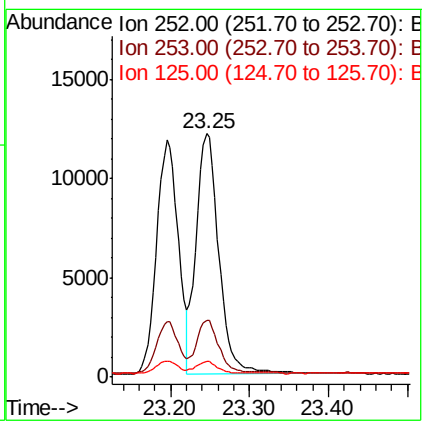


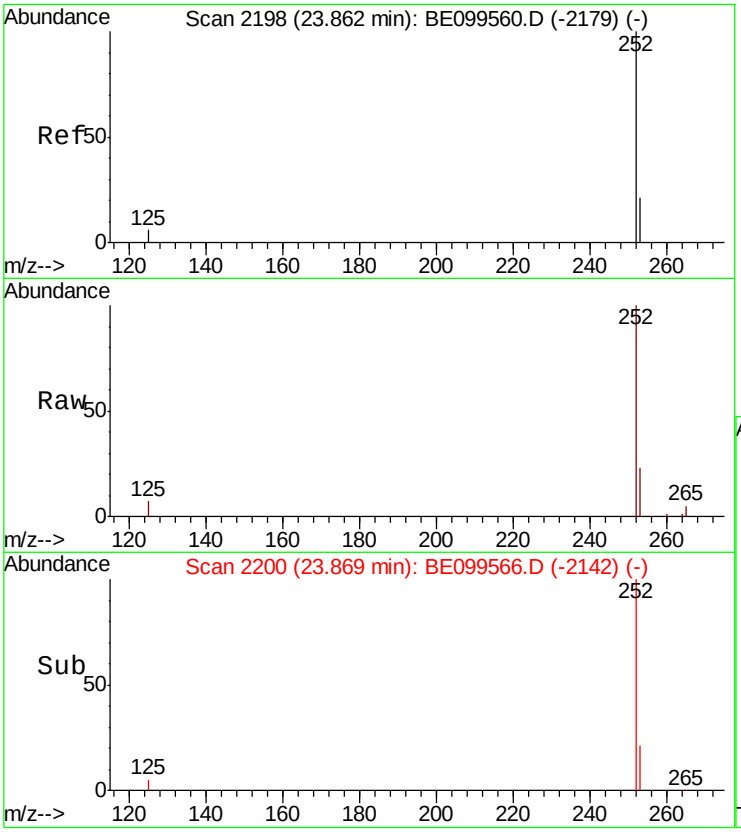


#36
Benzo(k)fluoranthene
Concen: 0.398 ng
RT: 23.25 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:252 Resp: 24406

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.1	28.7
125	6.3	5.8	8.6



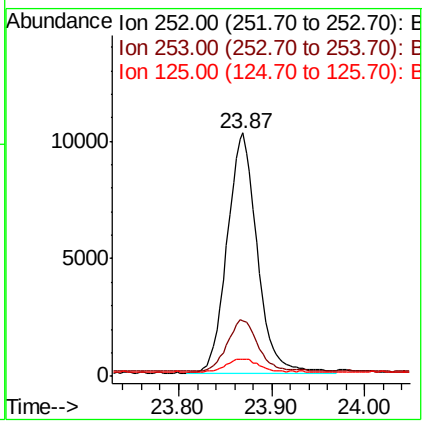


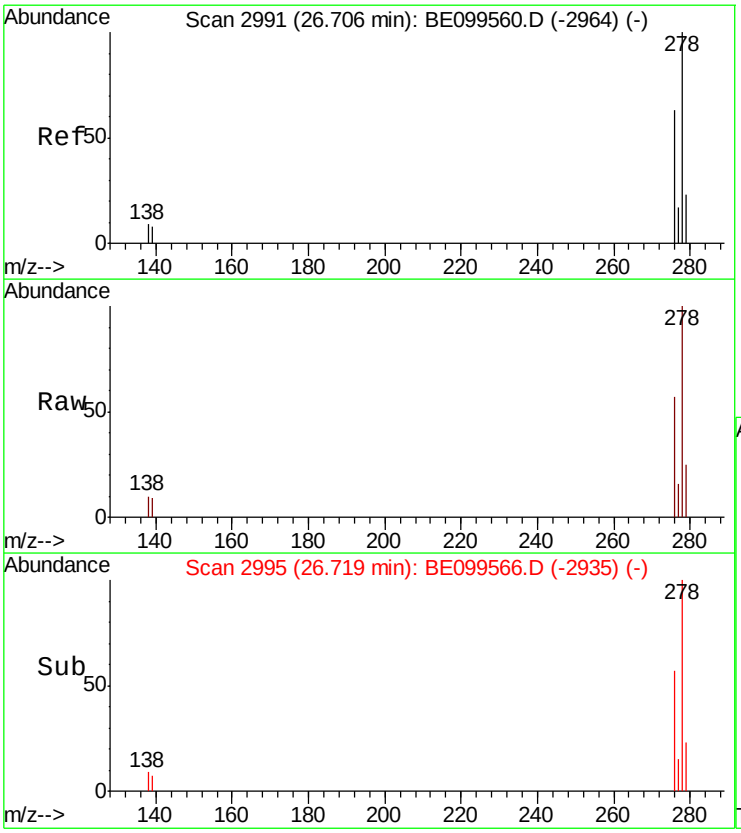
#37
Benzo(a)pyrene
Concen: 0.382 ng
RT: 23.87 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:252 Resp: 22968

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.9	28.3
125	7.1	6.6	9.8

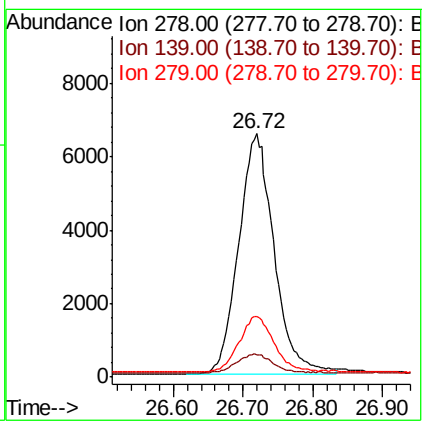


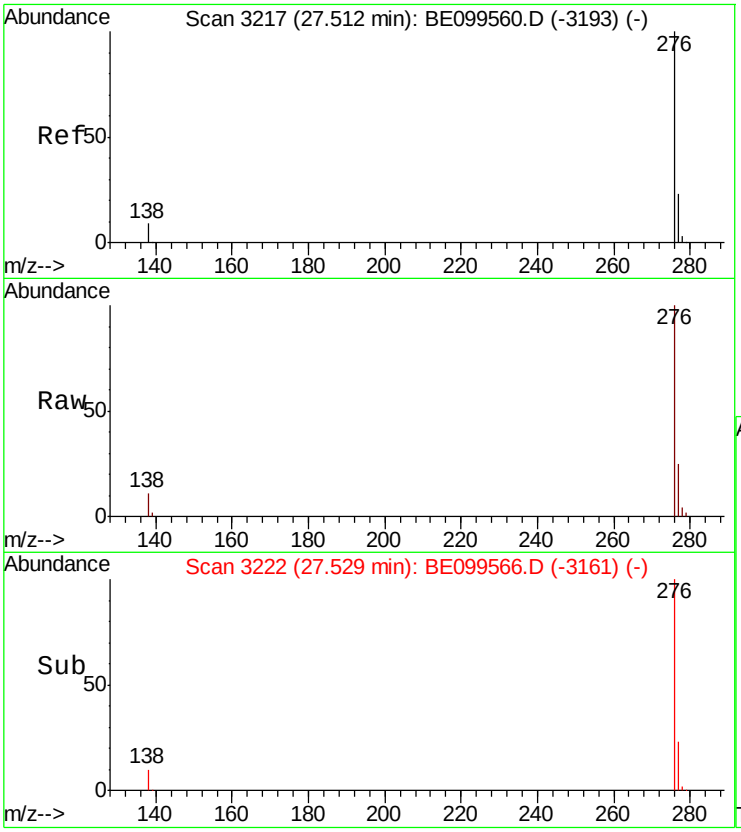


#38
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 26.72 min Scan# 2995
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:278 Resp: 23185

Ion	Ratio	Lower	Upper
278	100		
139	9.0	7.7	11.5
279	24.9	21.0	31.4





#39
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 27.53 min Scan# 3222
Delta R.T. 0.02 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tgt Ion:276 Resp: 23745

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	11.1	8.6	12.8