Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
Data File : BE099493.D
Acq On : 2 May 2019 15:06
Operator : JU/SJ
Sample : K2589-15MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-001-B186-042419MS

Quant Time: May 03 02:09:34 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	7.80	152	2003	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	6668	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	4782	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	14792	0.40	ng		0.00
27) Chrysene-d12	21.37	240	23141	0.40	ng		0.00
34) Perylene-d12	23.87	264	27579	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	1488	0.27	ng		0.00
5) Phenol-d6	6.96	99	2067	0.28	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1713	0.27	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	3551	0.30	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1063	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	4334	0.24	ng		-0.01
25) Fluoranthene-d10	19.22	212	52681	0.26	ng		0.00
29) Terphenyl-d14	19.82	244	11322	0.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	580	0.210	ng	#	32
3) n-Nitrosodimethylamine	3.62	42	433	0.261	ng	#	85
6) bis(2-Chloroethyl)ether	7.23	93	1581	0.249	ng		95
9) Naphthalene	10.65	128	19693	0.271	ng		99
10) Hexachlorobutadiene	10.93	225	1322	0.262	ng		98
12) 2-Methylnaphthalene	12.27	142	3355	0.266	ng		97
16) Acenaphthylene	14.18	152	6262	0.268	ng		97
17) Acenaphthene	14.51	154	3341	0.250	ng		100
18) Fluorene	15.49	166	5357	0.272	ng		98
20) 4-Bromophenyl-phenylether	16.39	248	2155	0.250	ng		93
21) Hexachlorobenzene	16.49	284	2042	0.249	ng		98
22) Pentachlorophenol	16.84	266	2154	0.652	ng		96
23) Phenanthrene	17.23	178	12360	0.324	ng		99
24) Anthracene	17.32	178	10518	0.289	ng		100
26) Fluoranthene	19.25	202	19095	0.334	ng		100
28) Pyrene	19.62	202	20372	0.338	ng		99
30) Benzo(a)anthracene	21.34	228	23762	0.322	ng		96
31) Chrysene	21.40	228	23398	0.324	ng		99
32) Bis(2-ethylhexyl)phthalate	21.27	149	45997	0.371	ng		99
33) Indeno(1,2,3-cd)pyrene	26.52	276	27332	0.321	ng		99
35) Benzo(b)fluoranthene	23.15	252	23326	0.293	ng		99
36) Benzo(k)fluoranthene	23.15	252	23326	0.304	ng	#	99
37) Benzo(a)pyrene	23.76	252	22699	0.302	ng	#	96
38) Dibenzo(a,h)anthracene	26.54	278	22663	0.295	ng		98
39) Benzo(g,h,i)perylene	27.34	276	23528	0.305	ng		98

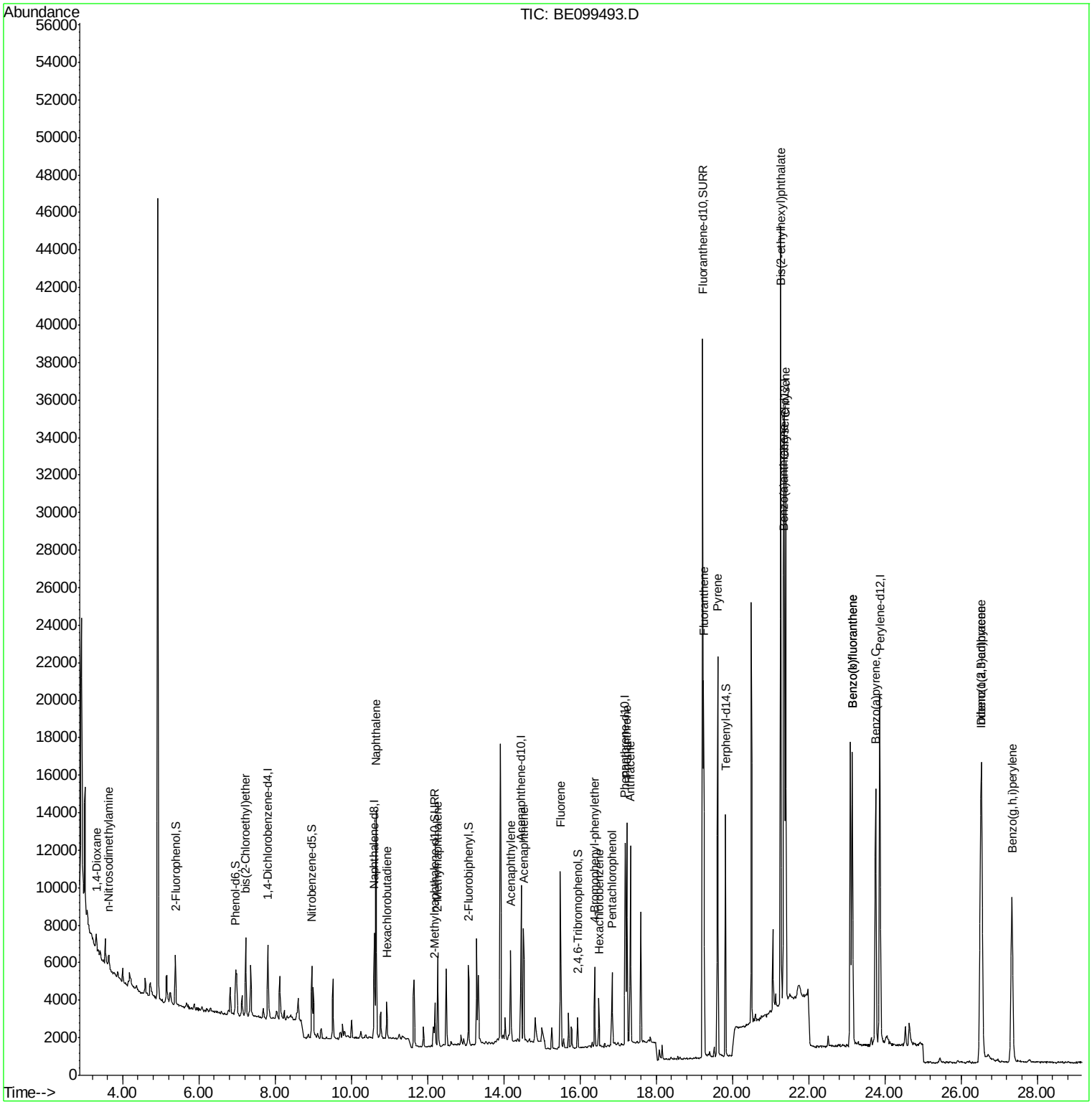
(#) = qualifier out of range (m) = manual integration (+) = signals summed

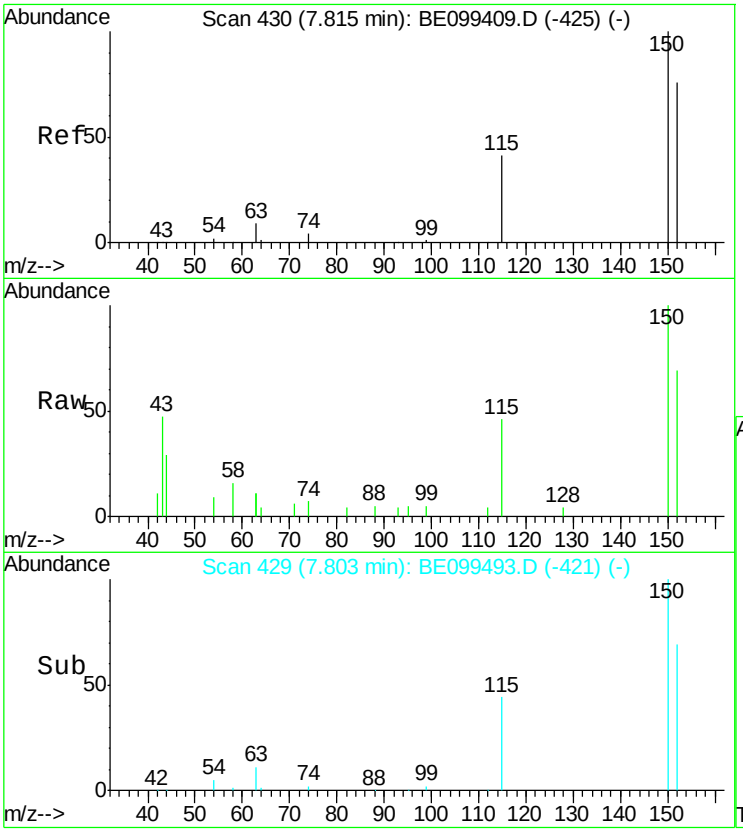
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
Data File : BE099493.D
Acq On : 2 May 2019 15:06
Operator : JU/SJ
Sample : K2589-15MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Quant Time: May 03 02:09:34 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



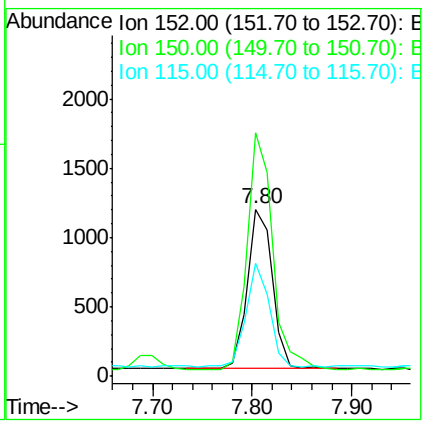


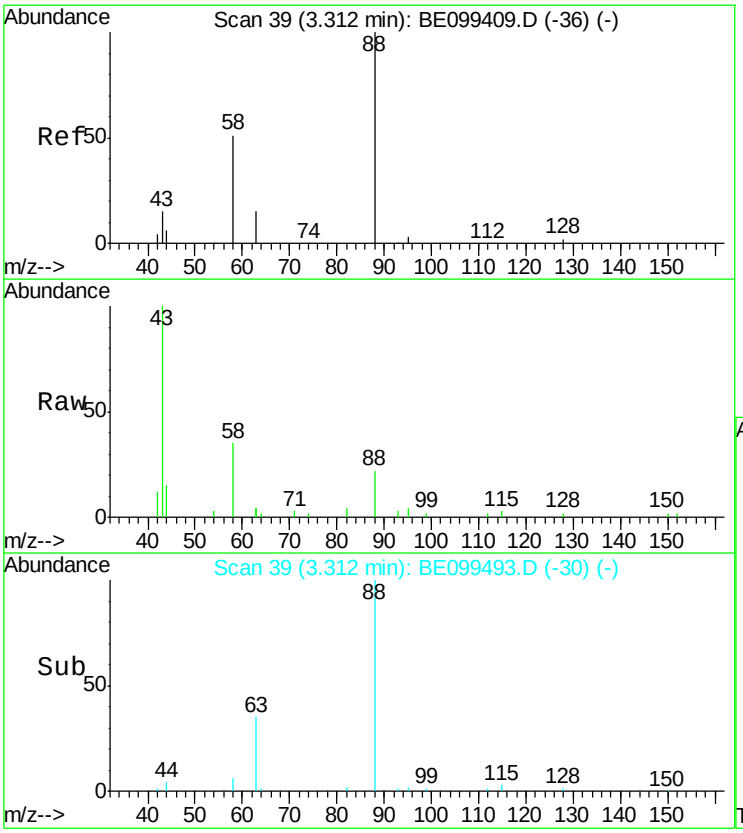
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:152 Resp: 2003

Ion	Ratio	Lower	Upper
152	100		
150	145.7	104.8	157.2
115	67.7	46.6	69.8

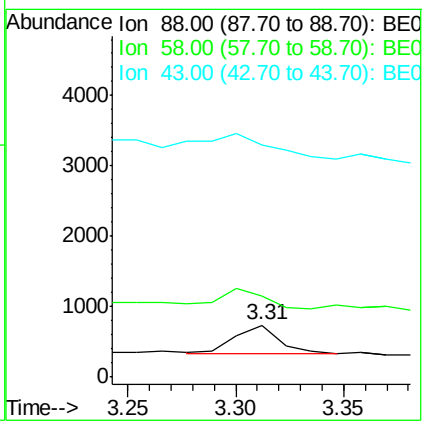


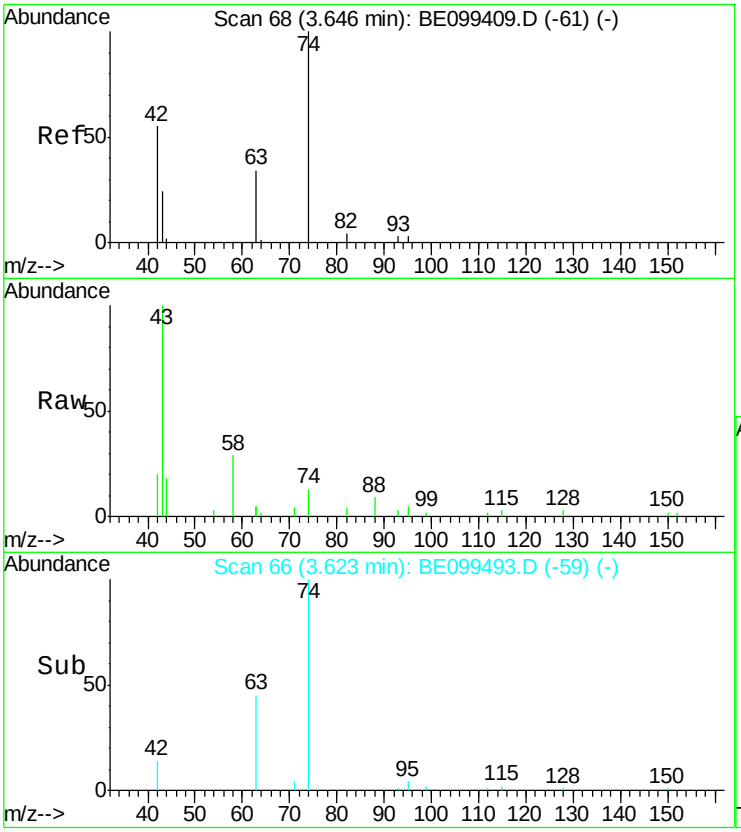


#2
1,4-Dioxane
Concen: 0.210 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion: 88 Resp: 580

Ion	Ratio	Lower	Upper
88	100		
58	66.7	51.0	76.6
43	141.0	20.6	30.8#

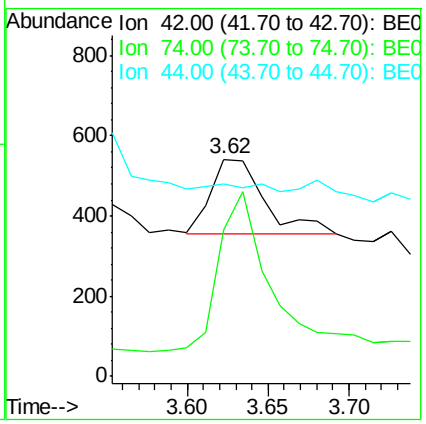




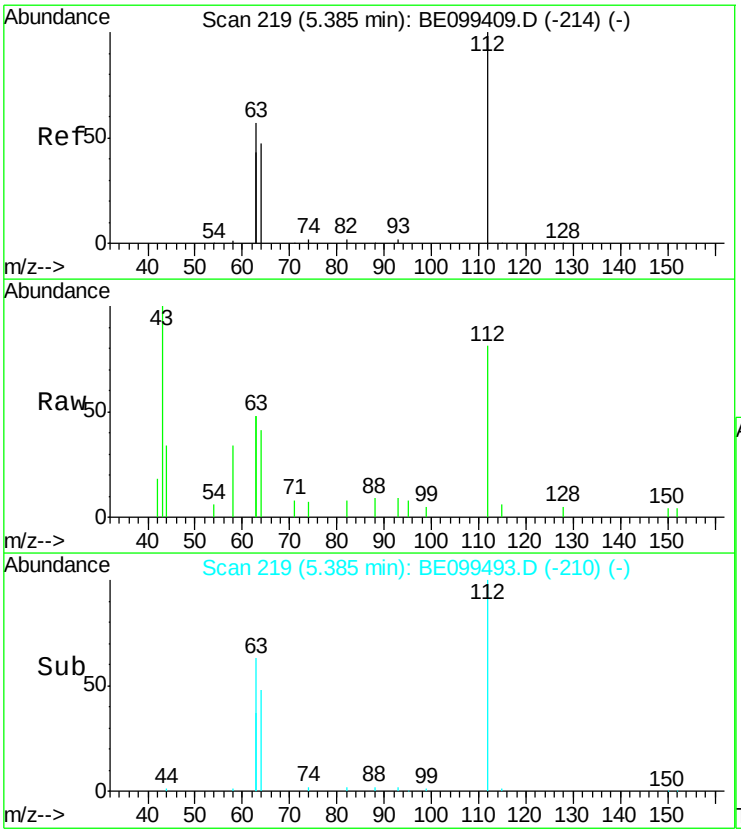
#3
n-Nitrosodimethylamine
Concen: 0.261 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion: 42 Resp: 433

Ion	Ratio	Lower	Upper
42	100		
74	198.6	141.6	212.4
44	0.0	0.0	0.0



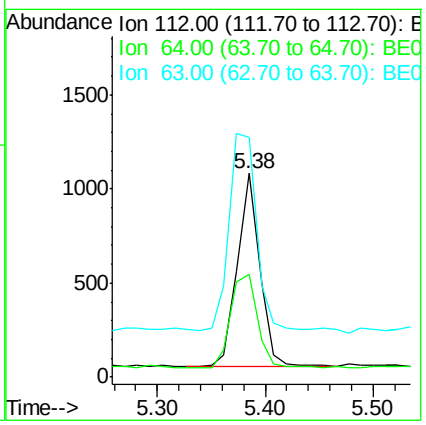
Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

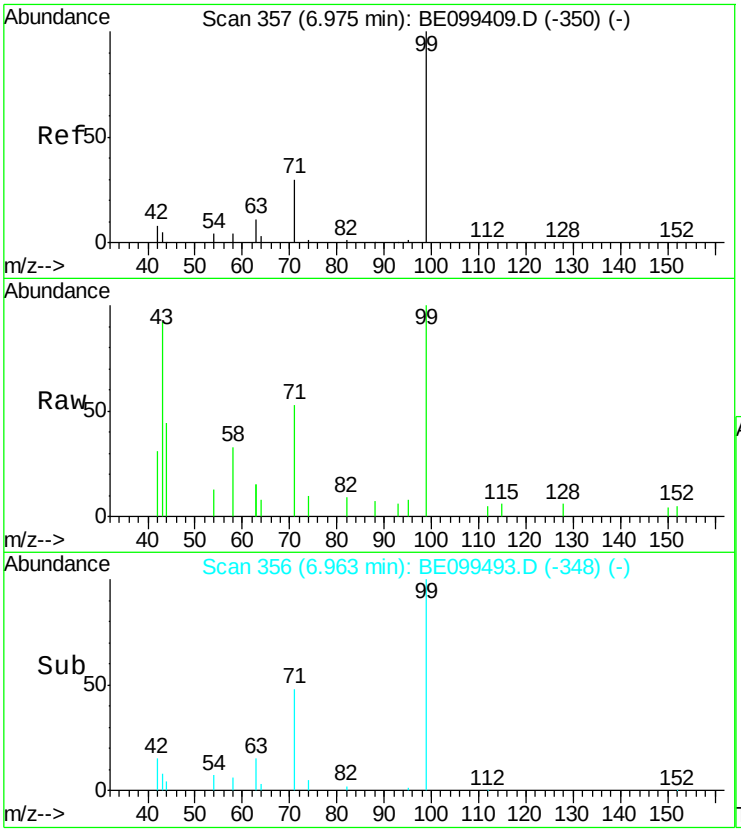


#4
2-Fluorophenol
Concen: 0.269 ng
RT: 5.38 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:112 Resp: 1488

Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.4	71.0
63	122.4	104.3	156.5



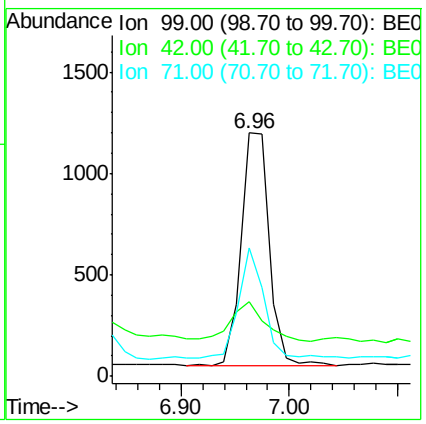


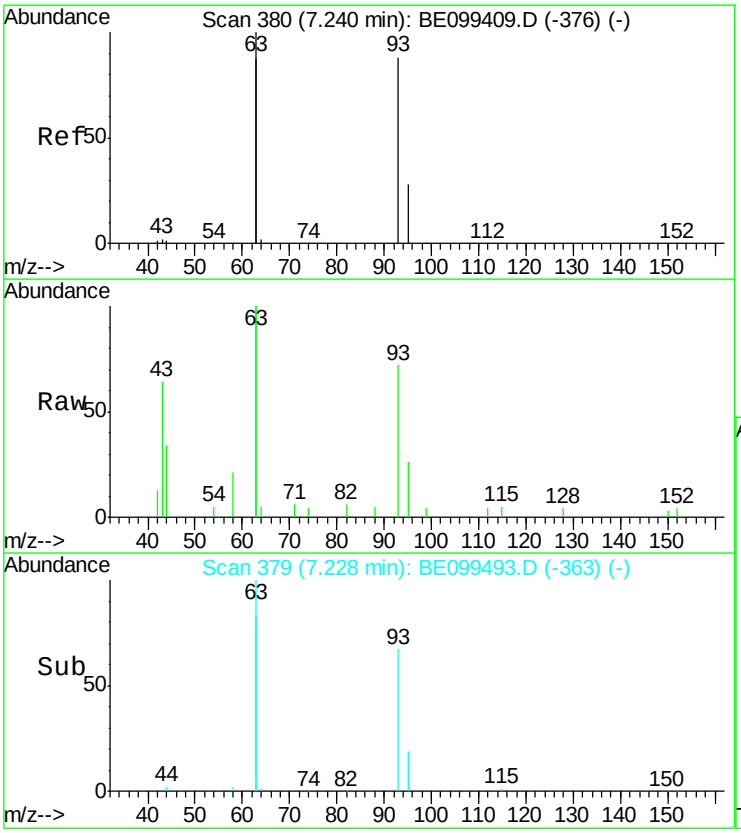
#5
Phenol-d6
Concen: 0.281 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion: 99 Resp: 2067

Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.9	22.3
71	40.7	33.0	49.6

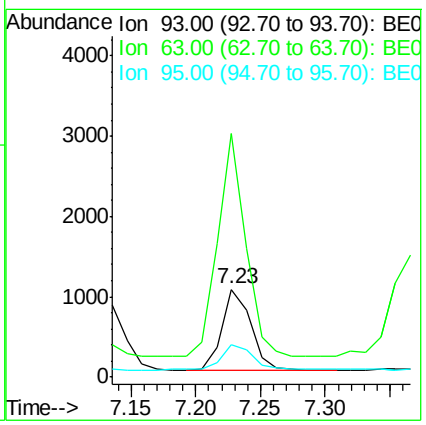


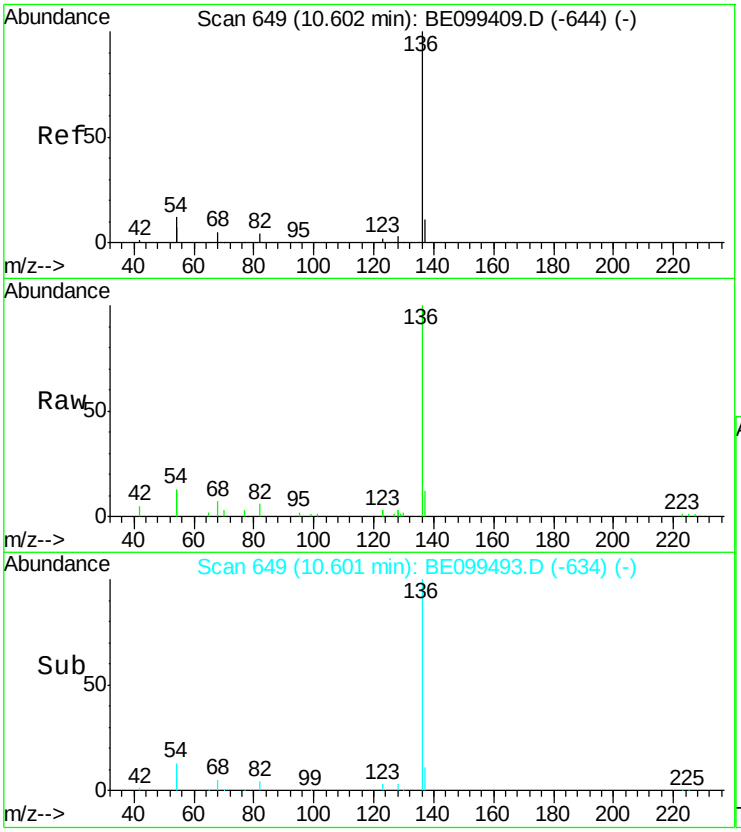


#6
bis(2-Chloroethyl)ether
Concen: 0.249 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion: 93 Resp: 1581

Ion	Ratio	Lower	Upper
93	100		
63	261.4	215.6	323.4
95	36.1	26.2	39.2



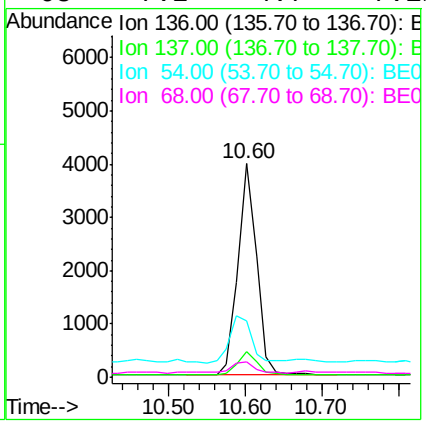


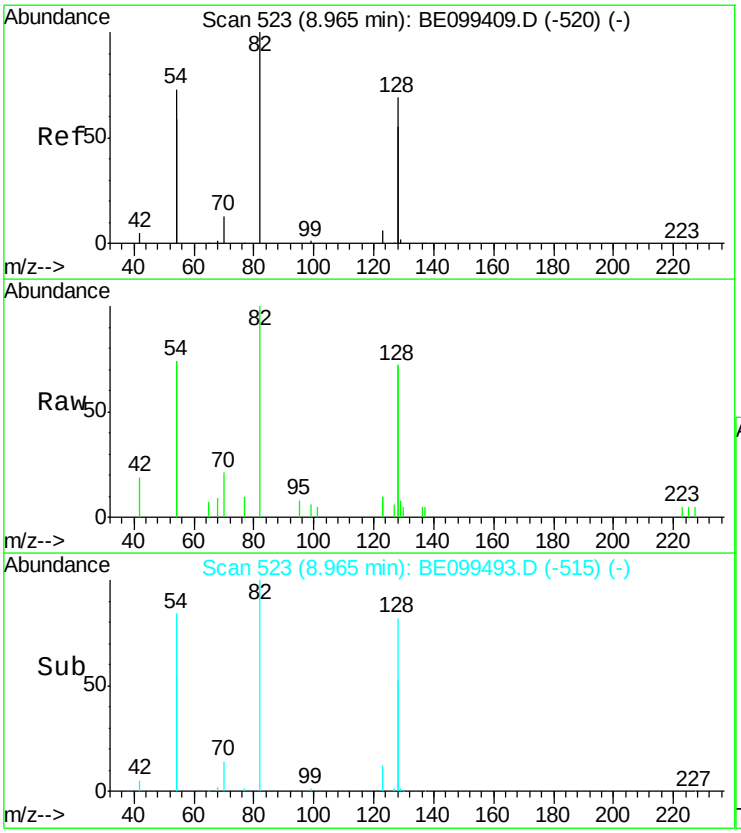
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:136 Resp: 6668

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	26.1	18.5	27.7
68	7.2	4.7	7.1#

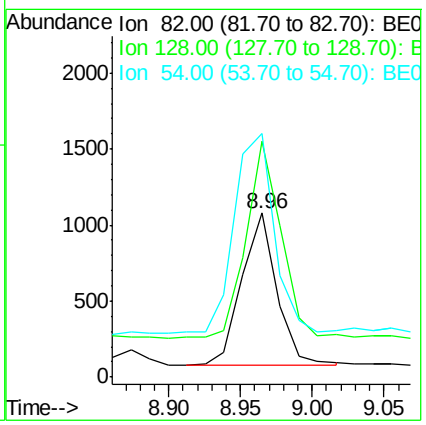


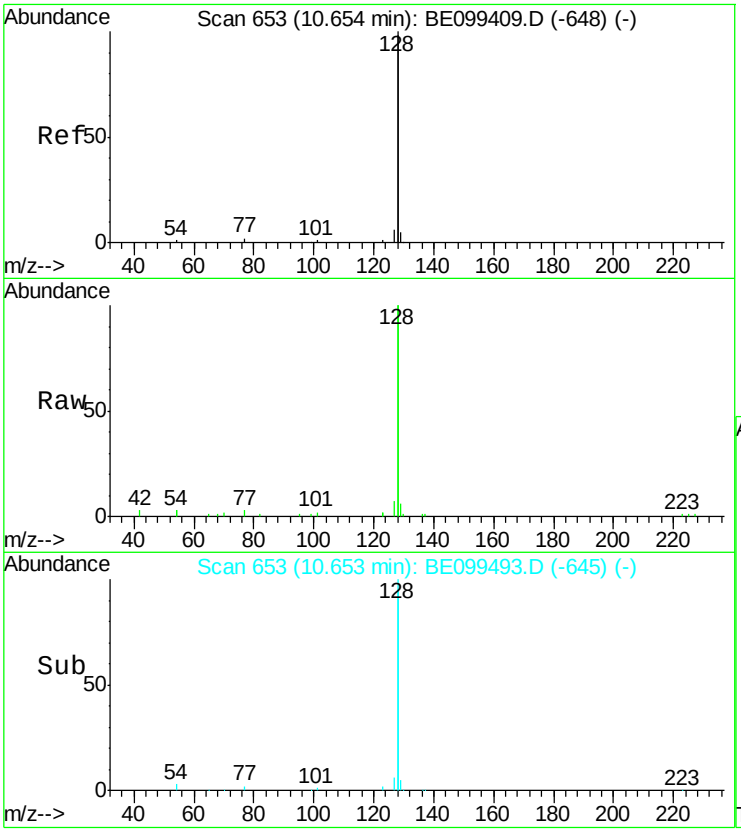


#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion: 82 Resp: 1713

Ion	Ratio	Lower	Upper
82	100		
128	144.2	107.0	160.4
54	148.6	113.1	169.7



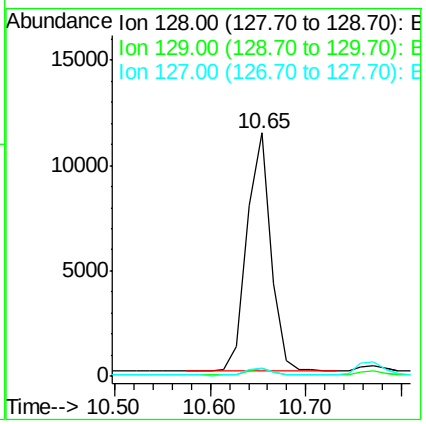


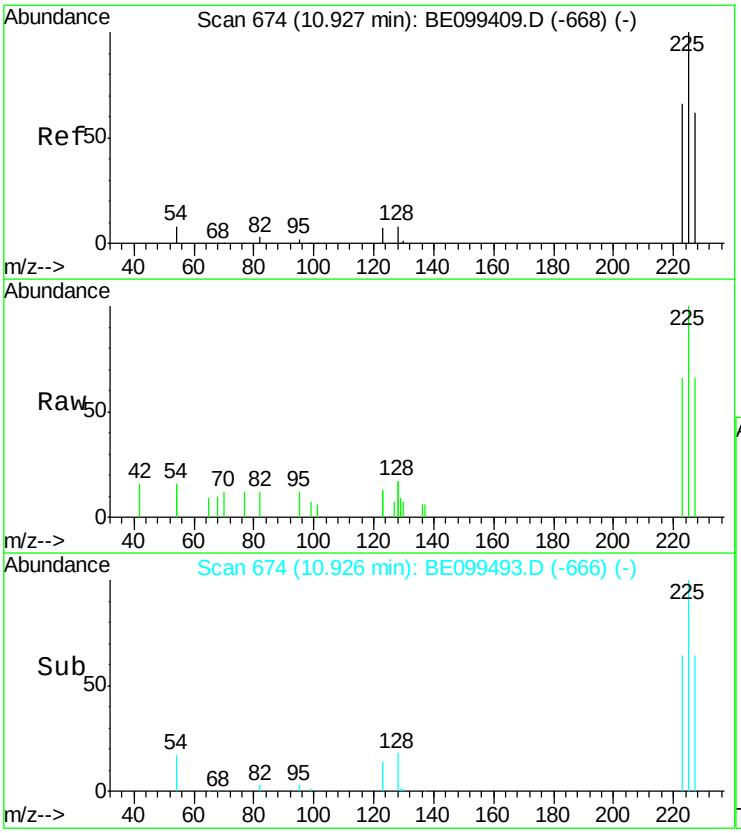
#9
Naphthalene
Concen: 0.271 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:128 Resp: 19693

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.4	3.6
127	3.3	2.8	4.2

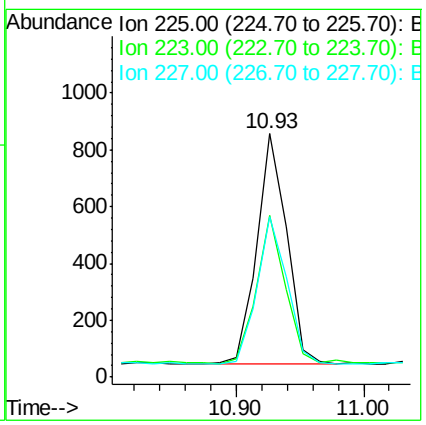


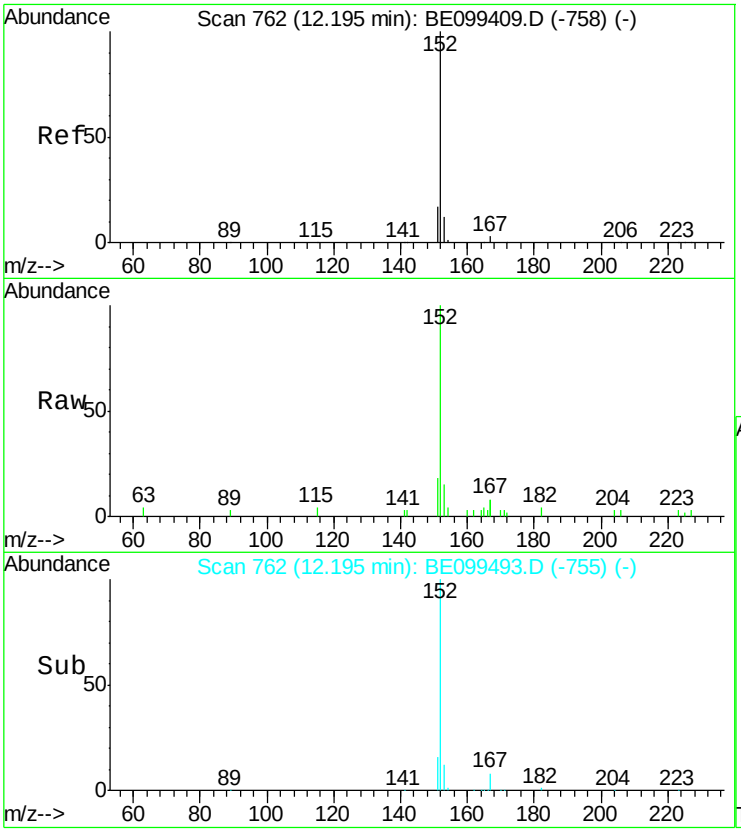


#10
Hexachlorobutadiene
Concen: 0.262 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:225 Resp: 1322

Ion	Ratio	Lower	Upper
225	100		
223	61.0	51.0	76.6
227	63.6	50.9	76.3



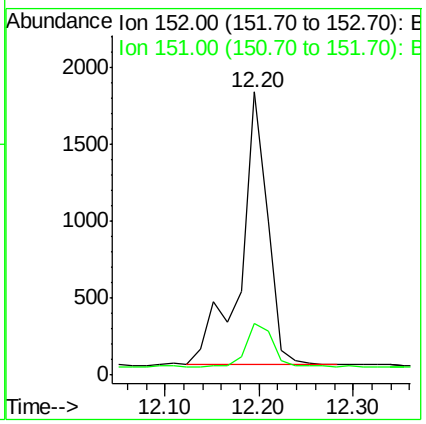


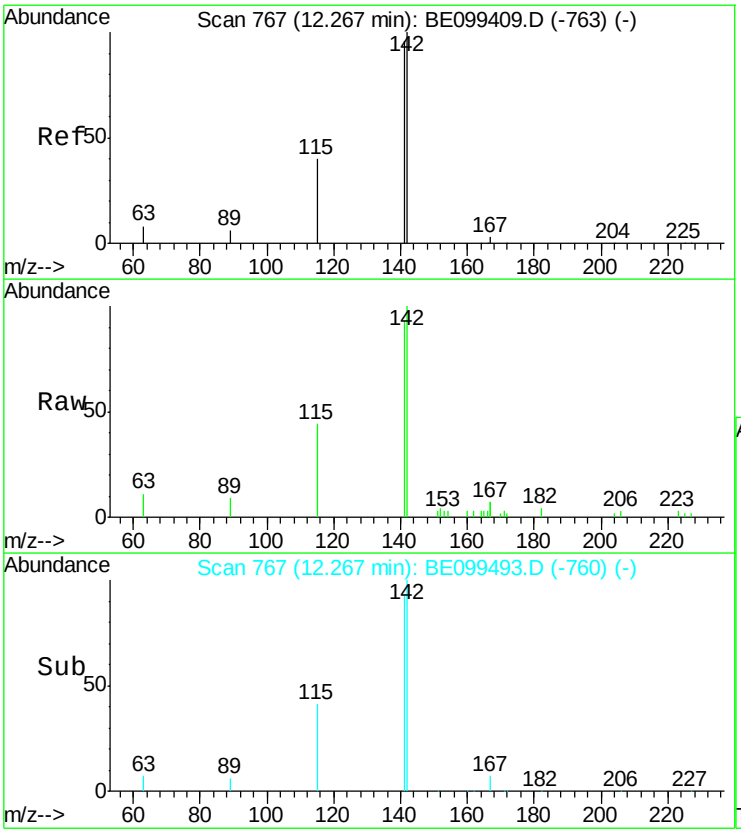
#11
2-Methylnaphthalene-d10
Concen: 0.296 ng
RT: 12.20 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:152 Resp: 3551

Ion	Ratio	Lower	Upper
152	100		
151	15.5	15.5	23.3#

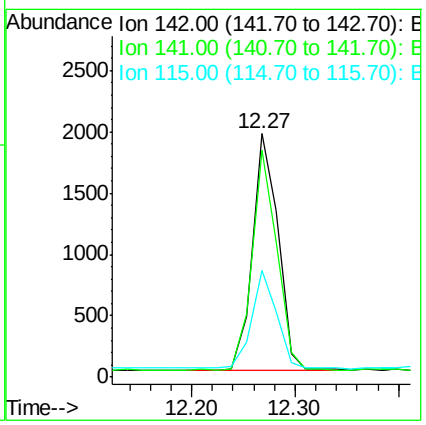


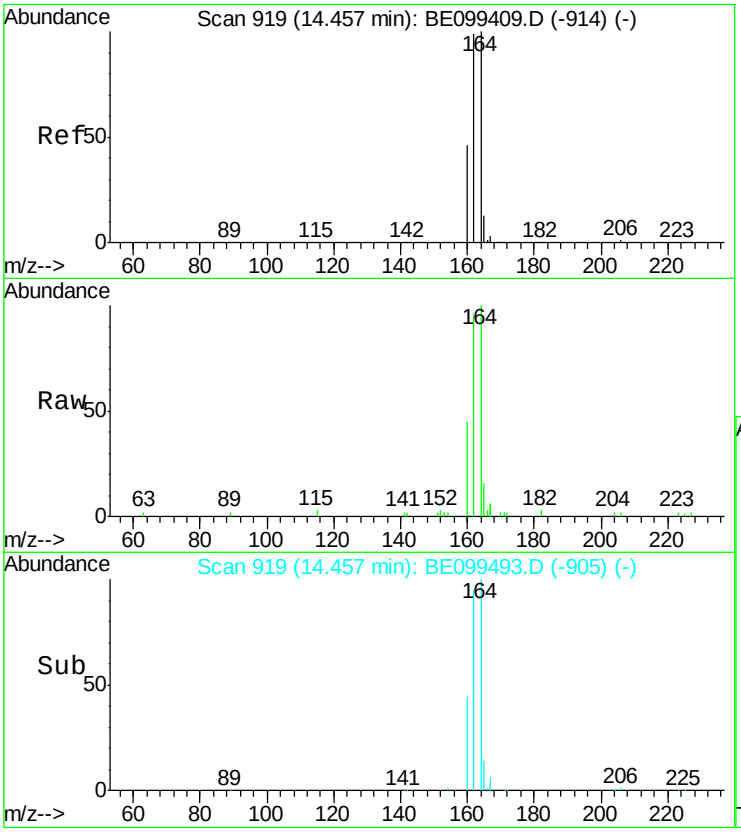


#12
2-Methylnaphthalene
Concen: 0.266 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:142 Resp: 3355

Ion	Ratio	Lower	Upper
142	100		
141	93.0	77.0	115.4
115	44.0	33.4	50.0



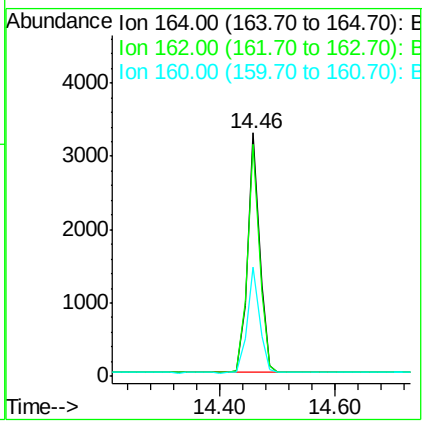


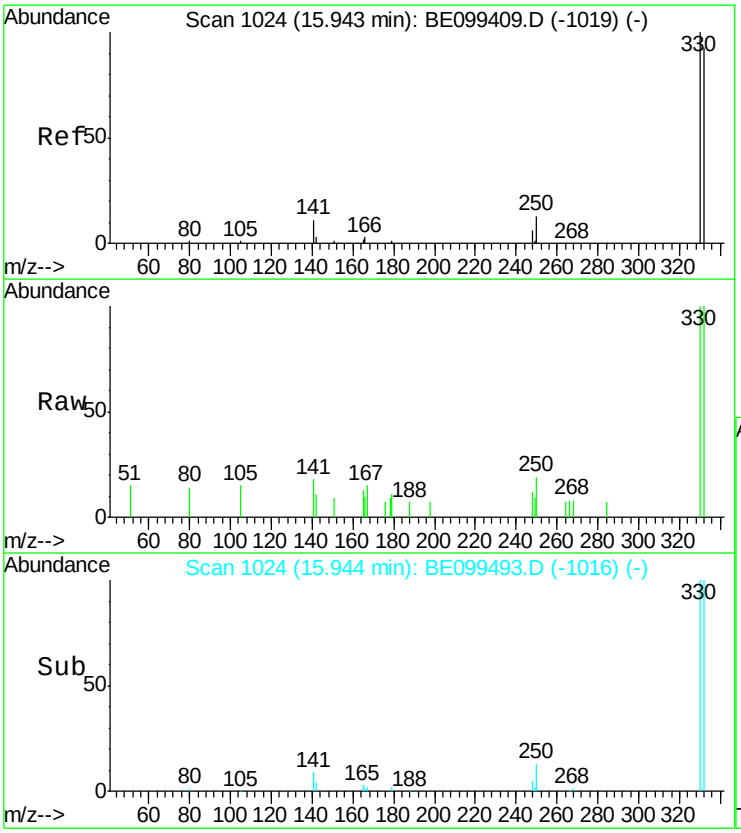
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:164 Resp: 4782

Ion	Ratio	Lower	Upper
164	100		
162	95.2	79.0	118.4
160	44.7	37.0	55.4

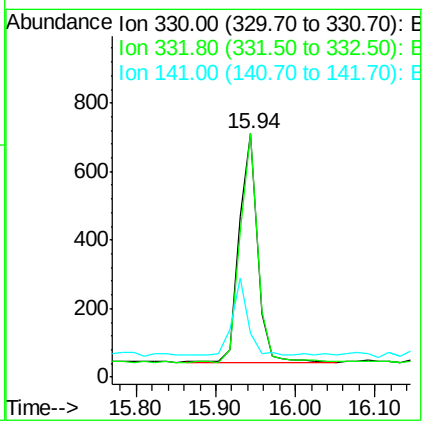


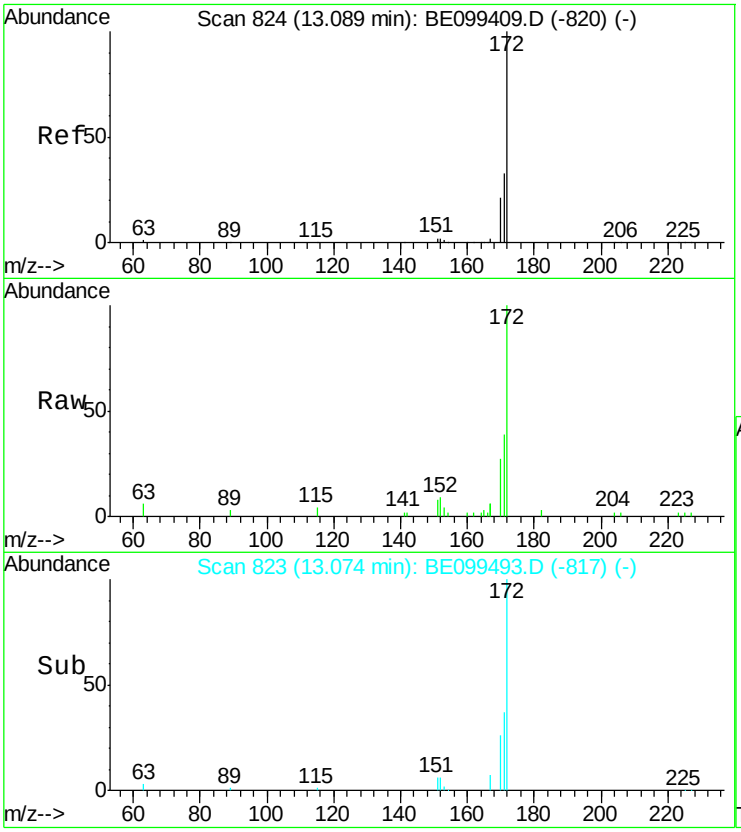


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:330 Resp: 1063

Ion	Ratio	Lower	Upper
330	100		
332	96.5	71.5	107.3
141	29.0	24.0	36.0



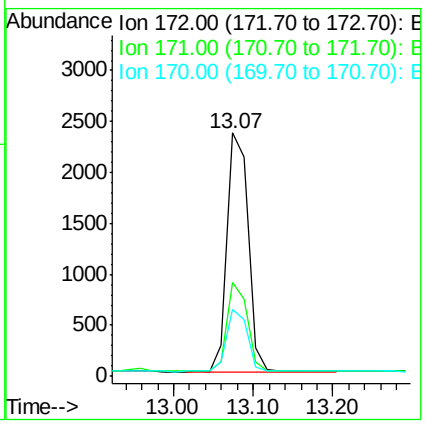


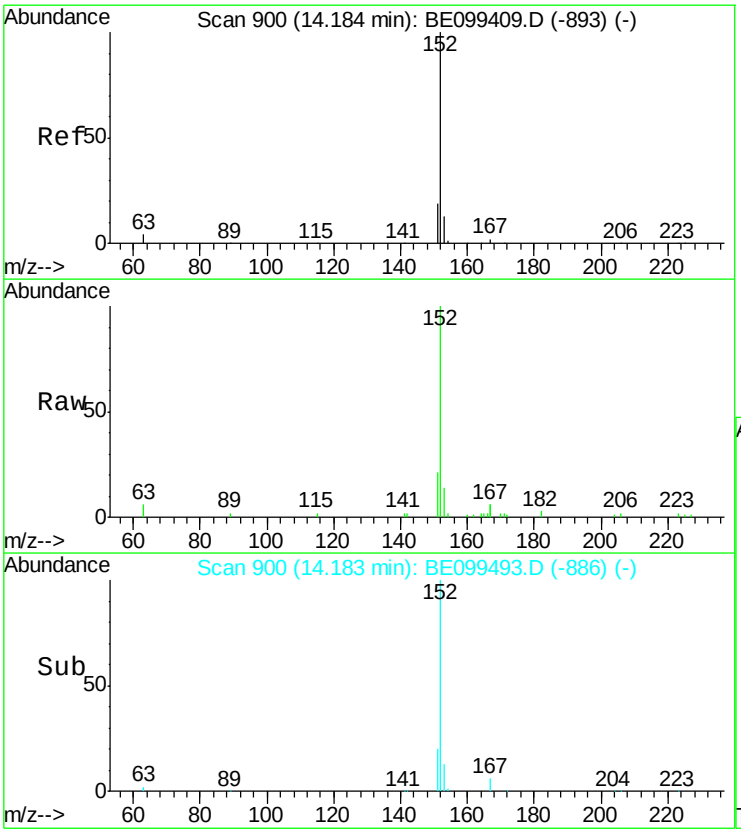
#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:172 Resp: 4334

Ion	Ratio	Lower	Upper
172	100		
171	38.7	26.6	39.8
170	27.2	17.0	25.6#

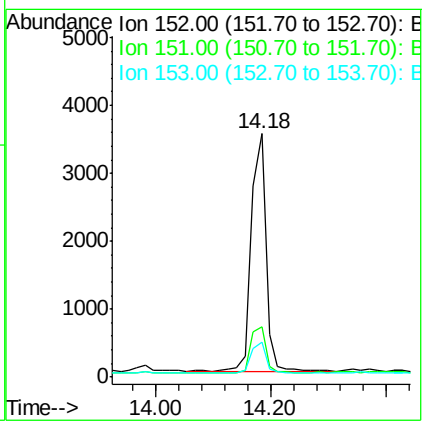


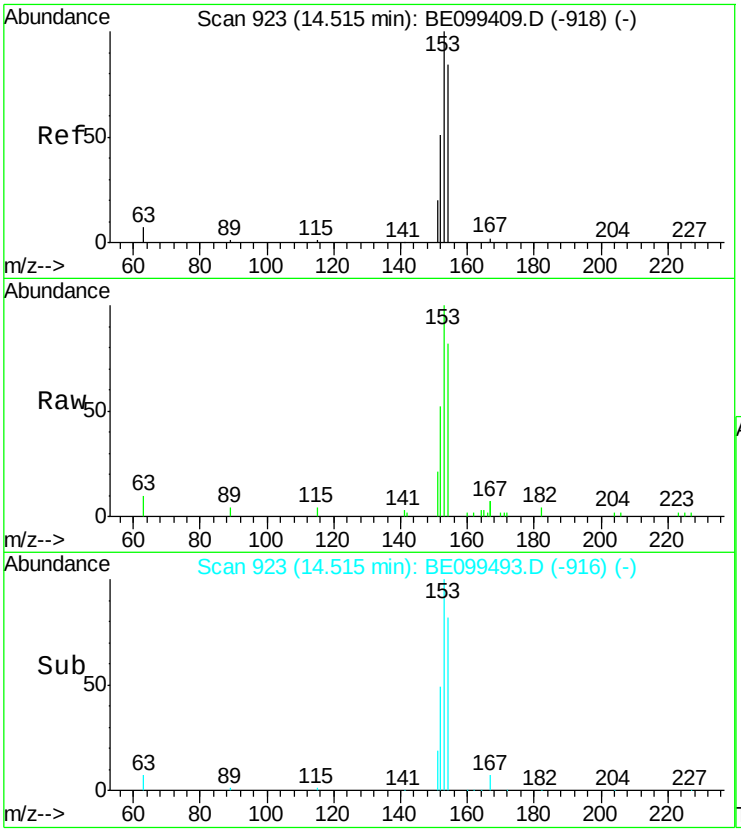


#16
Acenaphthylene
Concen: 0.268 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:152 Resp: 6262

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.4	23.2
153	13.2	9.8	14.6



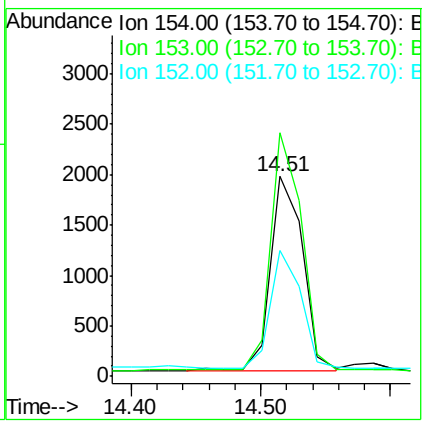


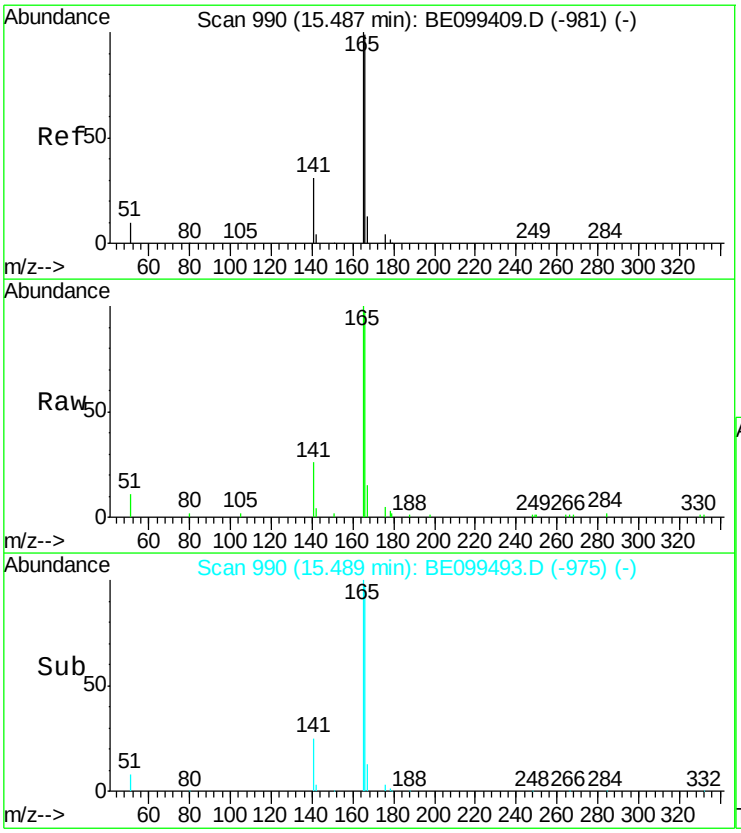
#17
Acenaphthene
Concen: 0.250 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:154 Resp: 3341

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.6	138.8
152	57.8	45.8	68.8

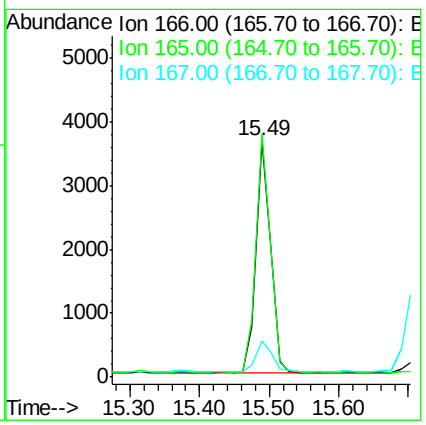


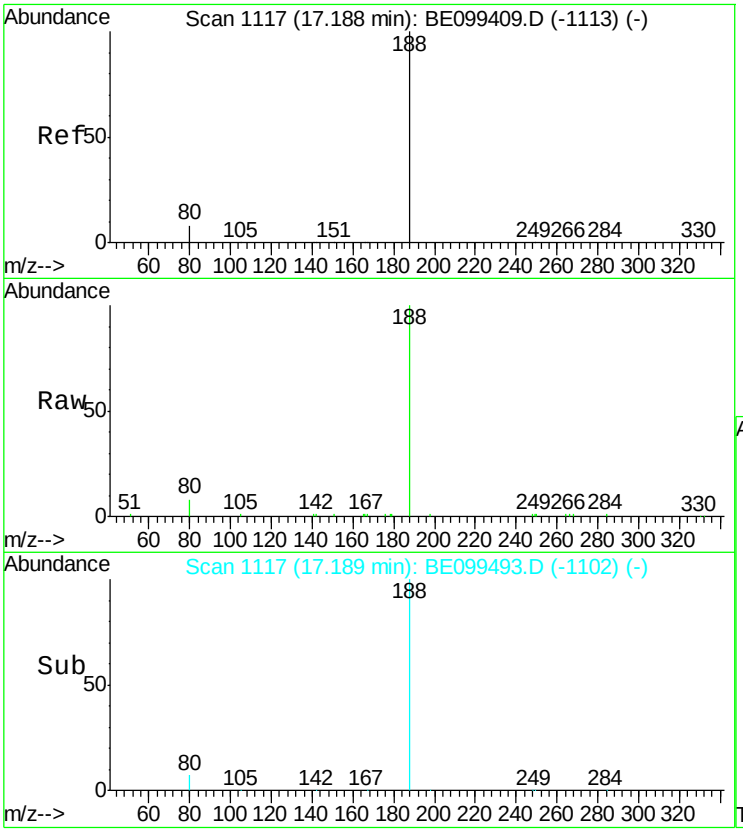


#18
Fluorene
Concen: 0.272 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:166 Resp: 5357

Ion	Ratio	Lower	Upper
166	100		
165	102.2	80.3	120.5
167	14.2	10.7	16.1



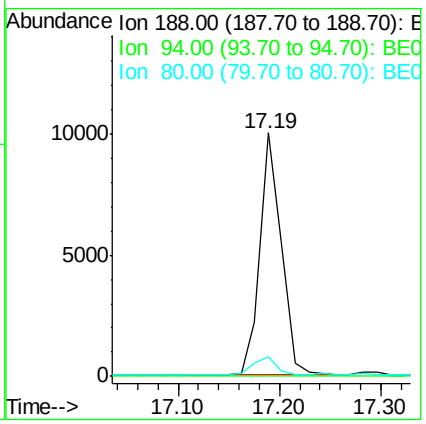


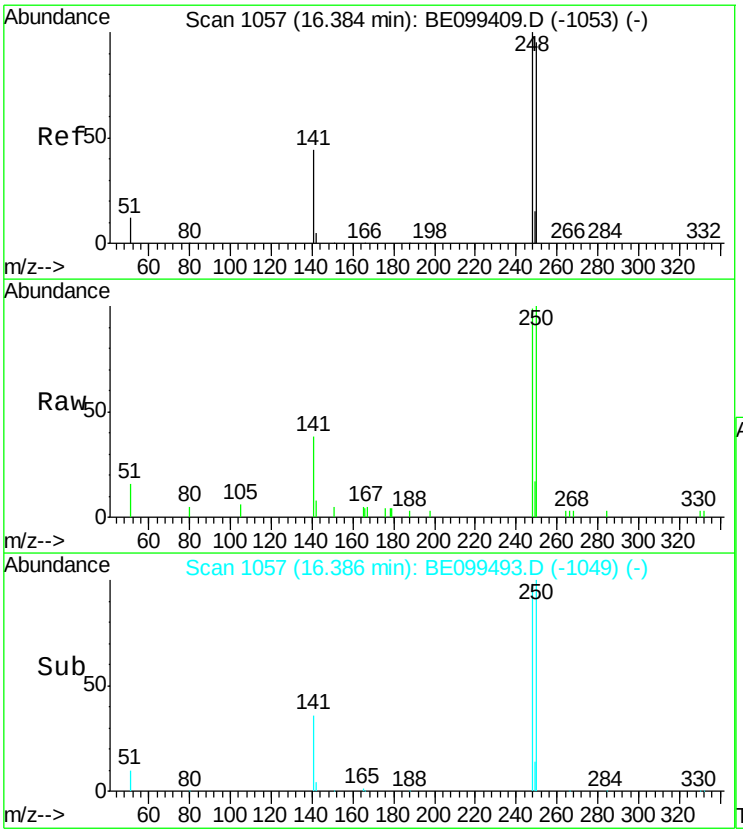
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:188 Resp: 14792

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	6.7	10.1

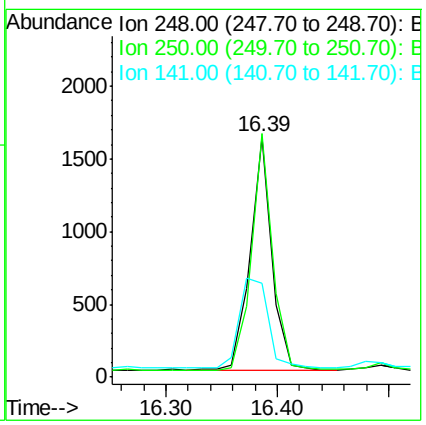


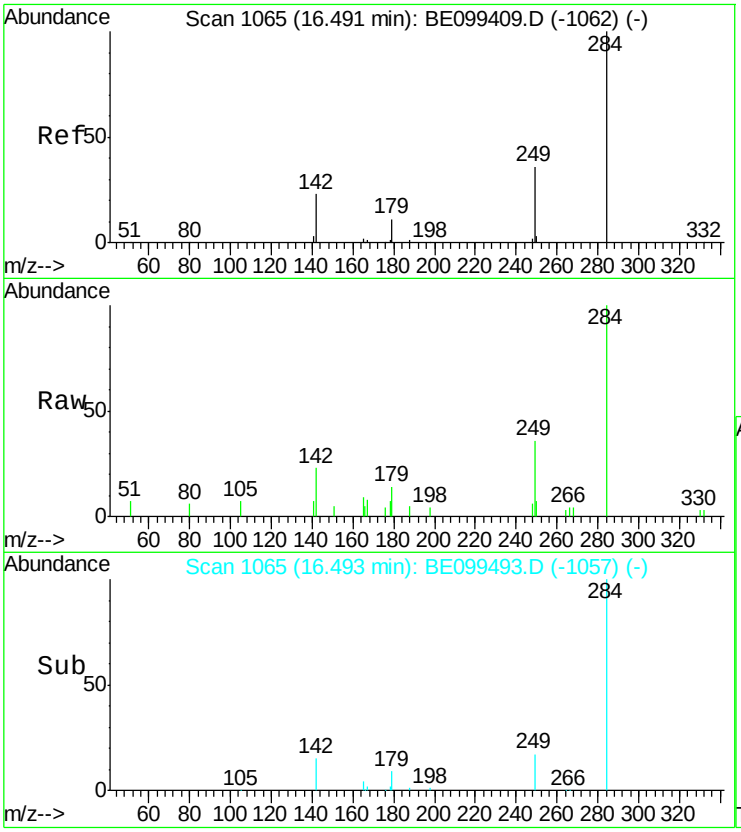


#20
4-Bromophenyl-phenylether
Concen: 0.250 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:248 Resp: 2155

Ion	Ratio	Lower	Upper
248	100		
250	101.5	75.8	113.8
141	39.0	35.7	53.5



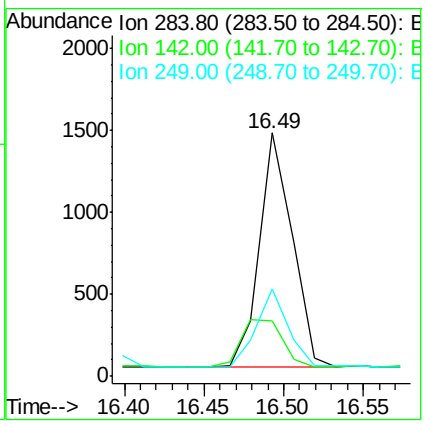


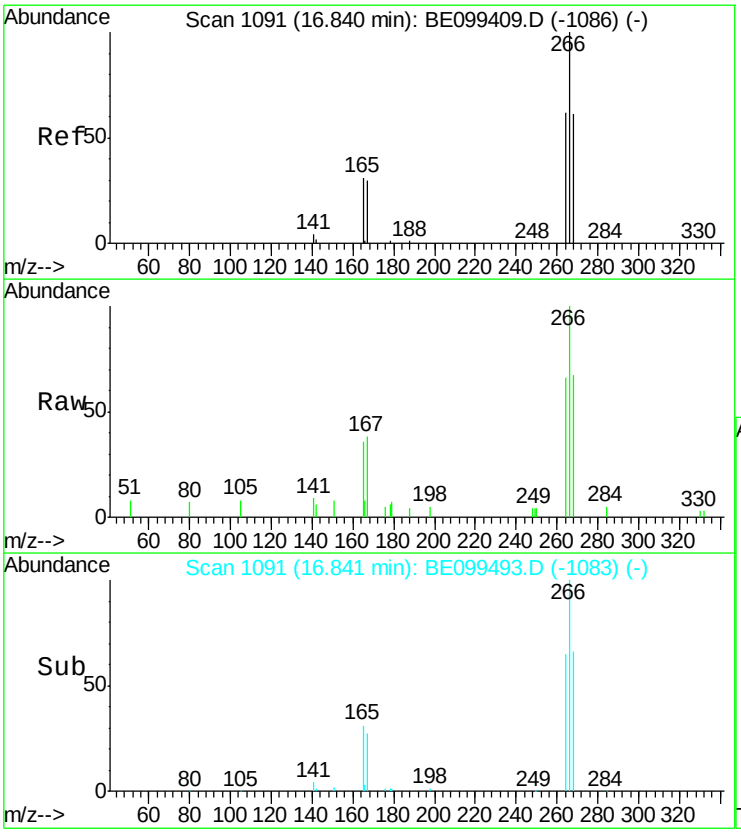
#21
Hexachlorobenzene
Concen: 0.249 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:284 Resp: 2042

Ion	Ratio	Lower	Upper
284	100		
142	25.3	21.0	31.6
249	32.1	26.7	40.1

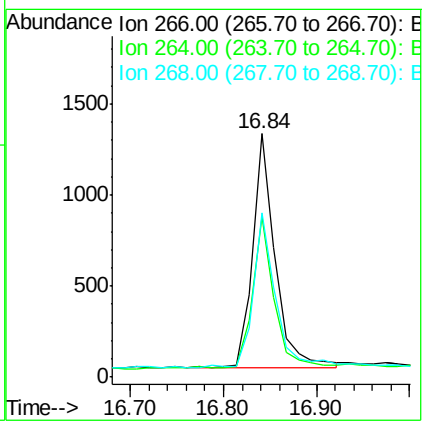


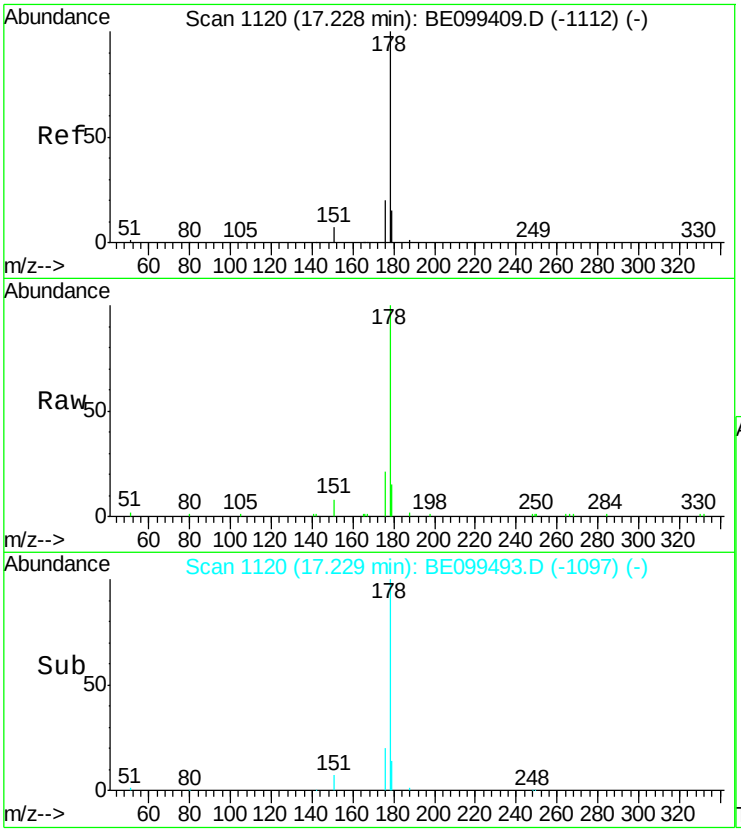


#22
Pentachlorophenol
Concen: 0.652 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:266 Resp: 2154

Ion	Ratio	Lower	Upper
266	100		
264	65.9	50.8	76.2
268	67.4	50.5	75.7



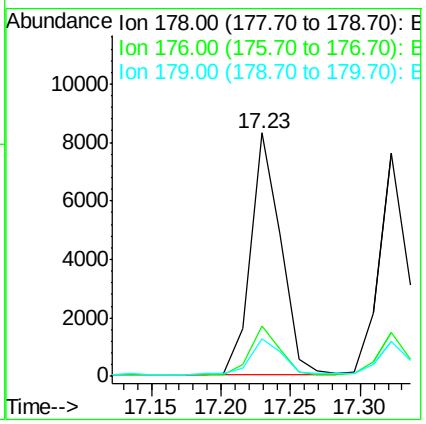


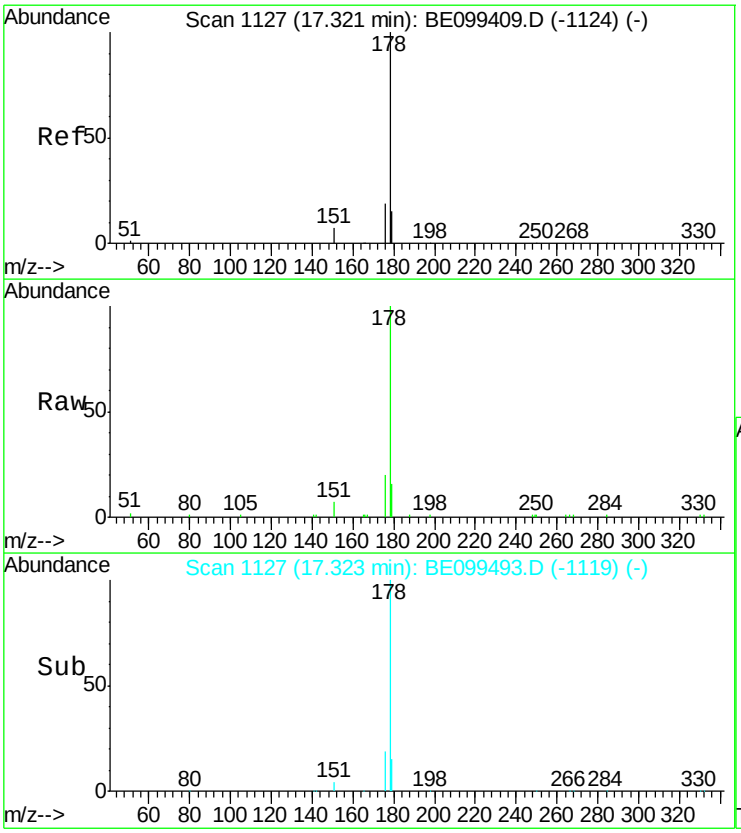
#23
Phenanthrene
Concen: 0.324 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:178 Resp: 12360

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.3	12.0	18.0

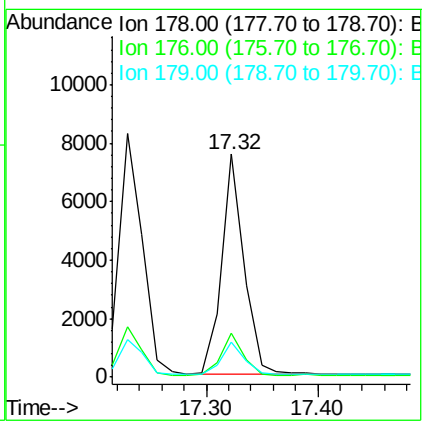


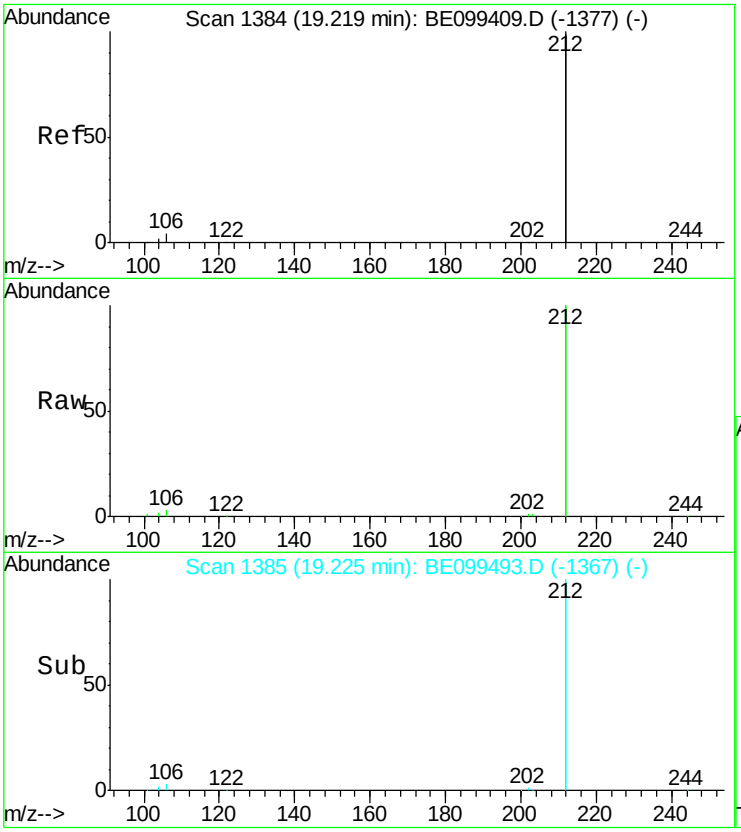


#24
Anthracene
Concen: 0.289 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:178 Resp: 10518

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.1	11.9	17.9



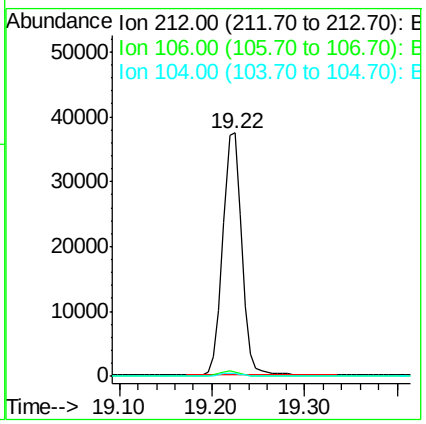


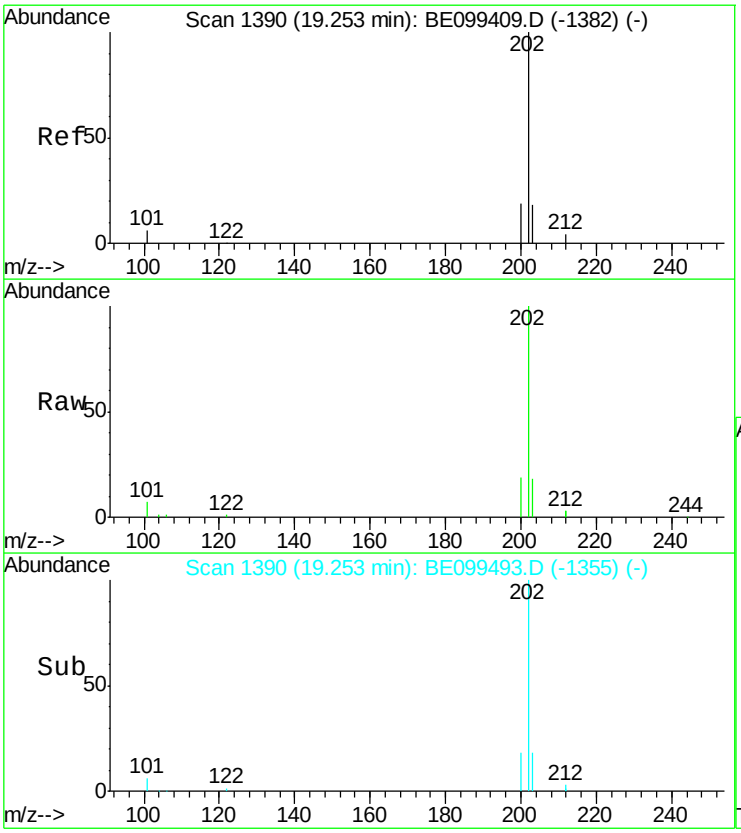
#25
Fluoranthene-d10
Concen: 0.264 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:212 Resp: 52681

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.2	0.9	1.3

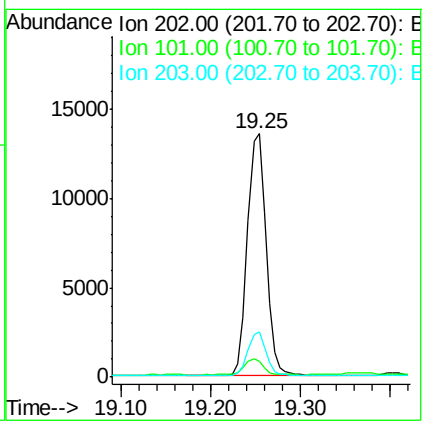


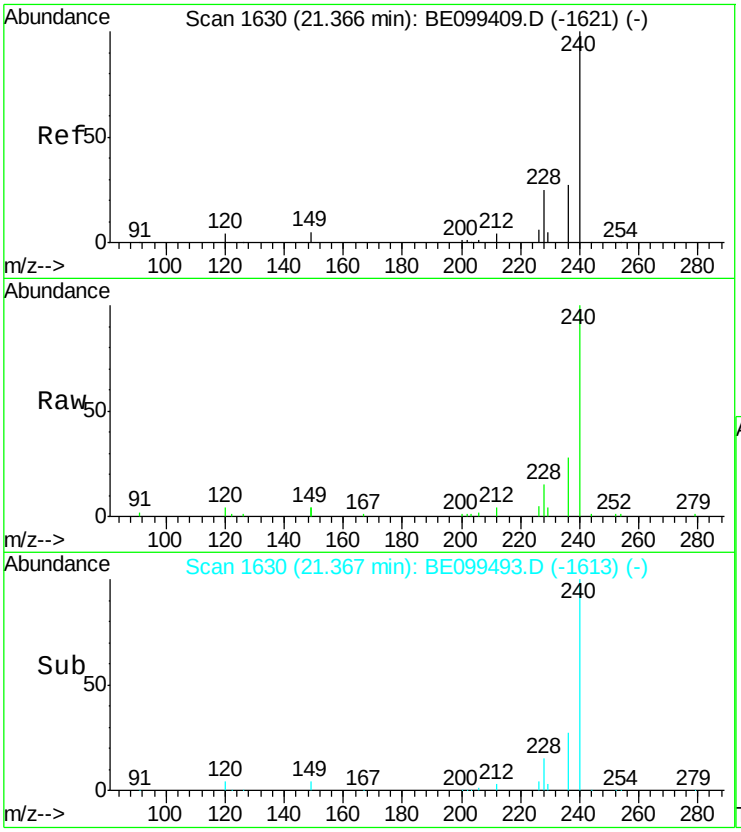


#26
Fluoranthene
Concen: 0.334 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:202 Resp: 19095

Ion	Ratio	Lower	Upper
202	100		
101	7.0	5.4	8.0
203	17.5	13.9	20.9



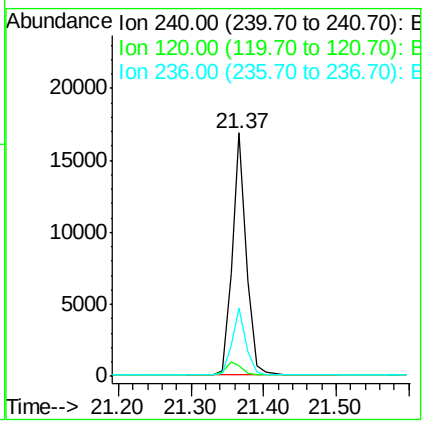


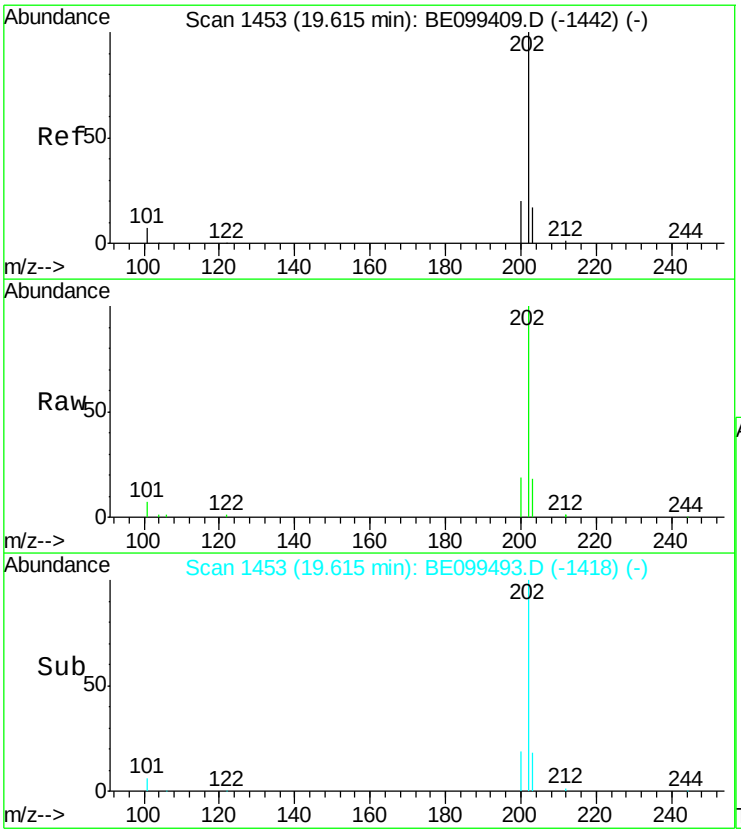
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:240 Resp: 23141

Ion	Ratio	Lower	Upper
240	100		
120	4.3	4.0	6.0
236	27.8	22.0	33.0

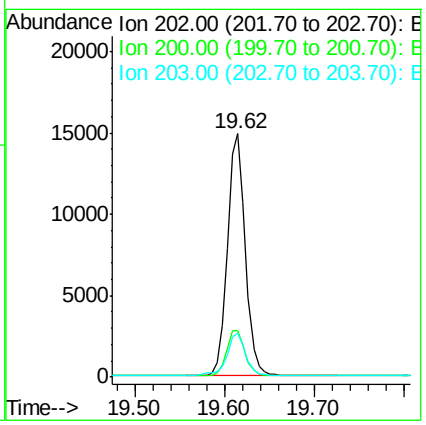


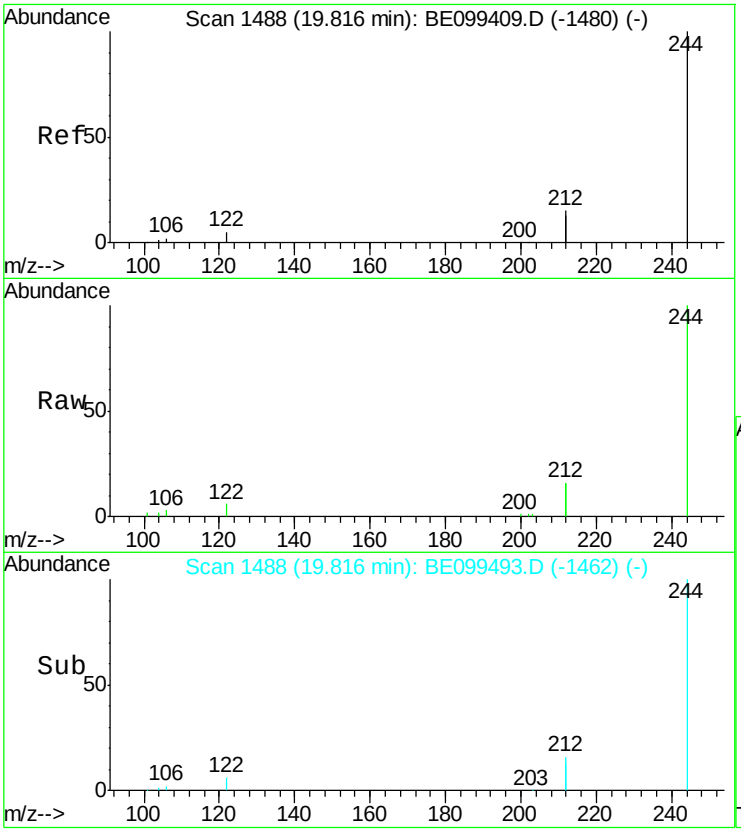


#28
Pyrene
Concen: 0.338 ng
RT: 19.62 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:202 Resp: 20372

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	18.2	13.9	20.9



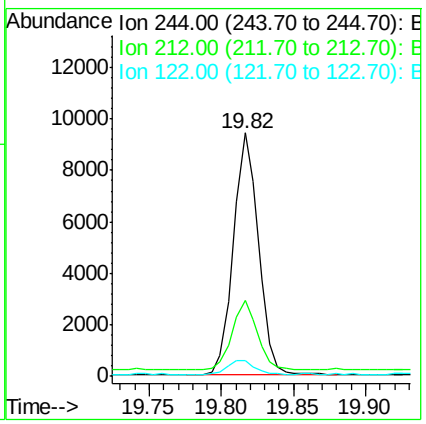


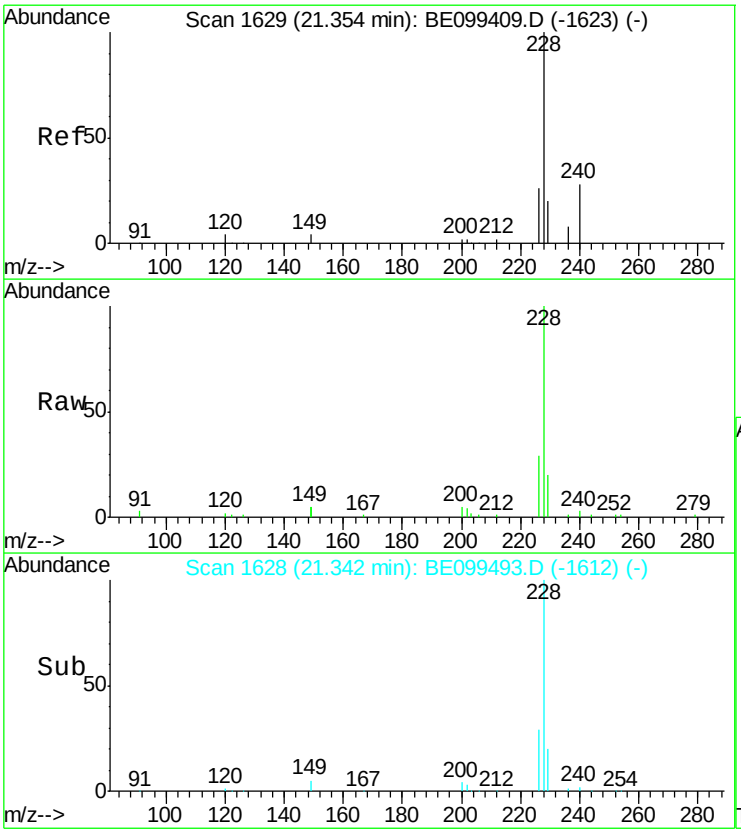
#29
Terphenyl-d14
Concen: 0.267 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:244 Resp: 11322

Ion	Ratio	Lower	Upper
244	100		
212	31.2	23.2	34.8
122	6.4	4.2	6.4#

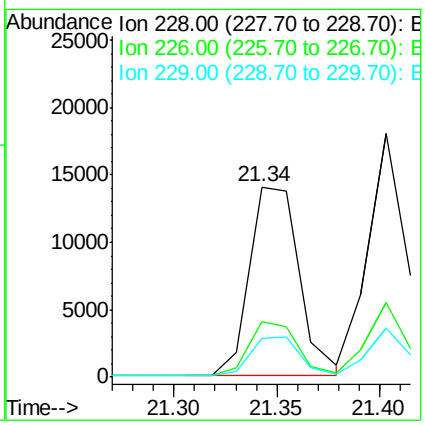


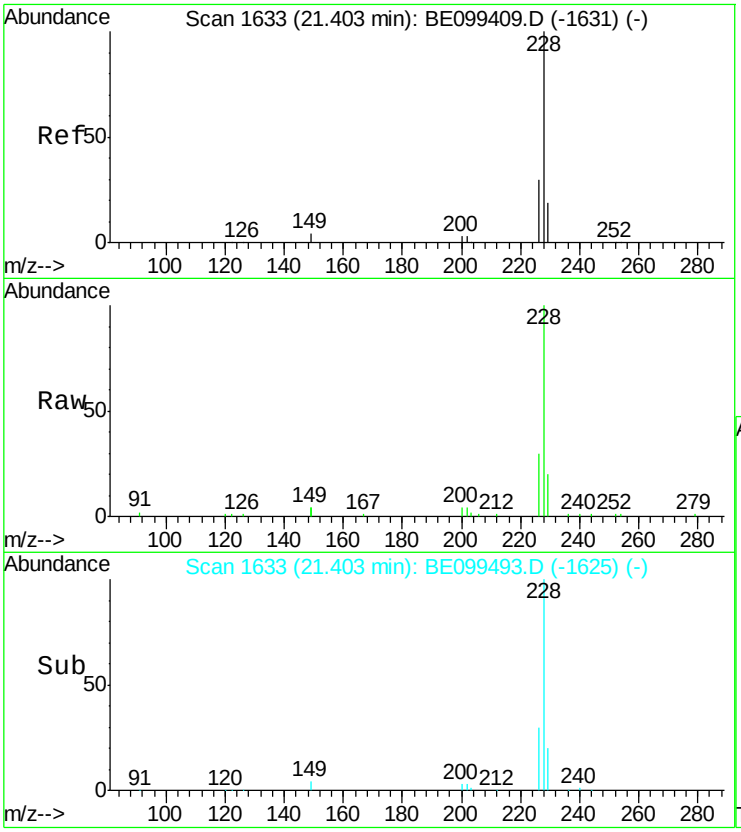


#30
Benzo(a)anthracene
Concen: 0.322 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:228 Resp: 23762

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.0	31.6
229	20.4	16.6	25.0



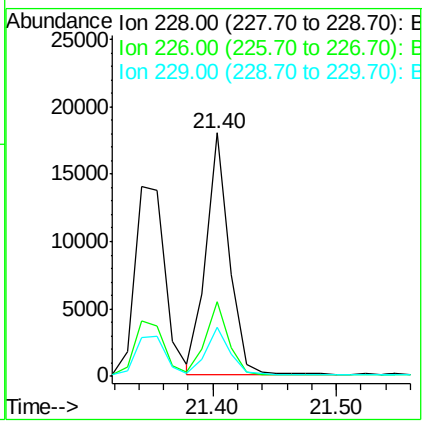


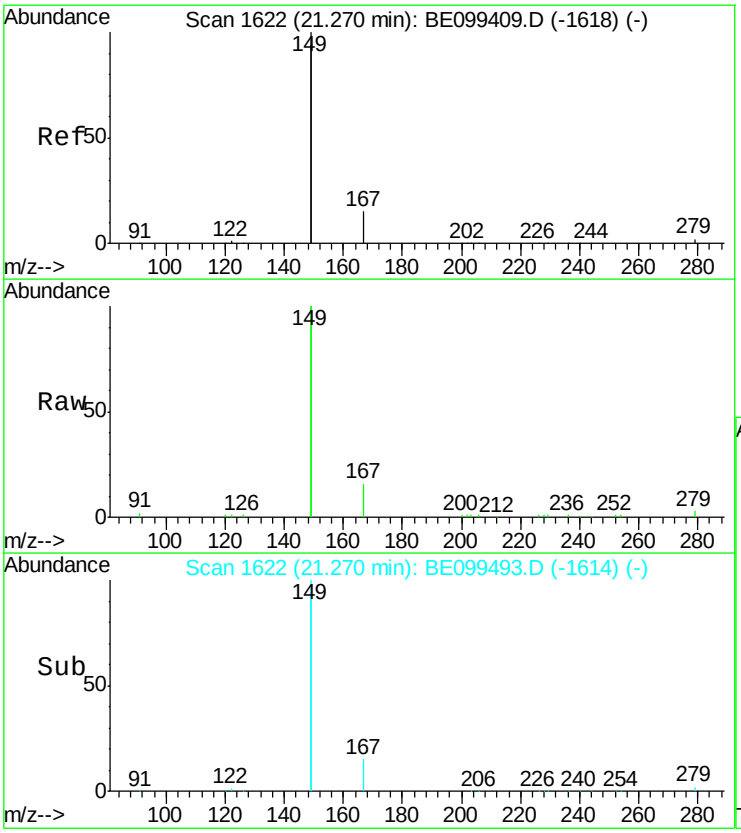
#31
Chrysene
Concen: 0.324 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:228 Resp: 23398

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.3	15.8	23.8

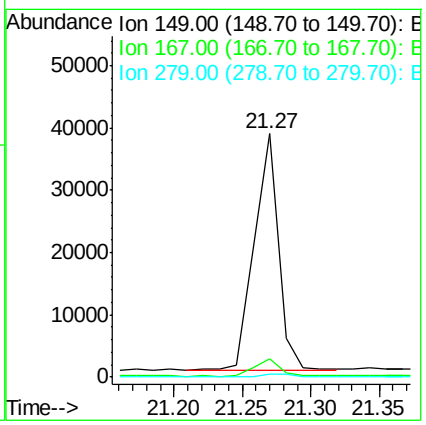


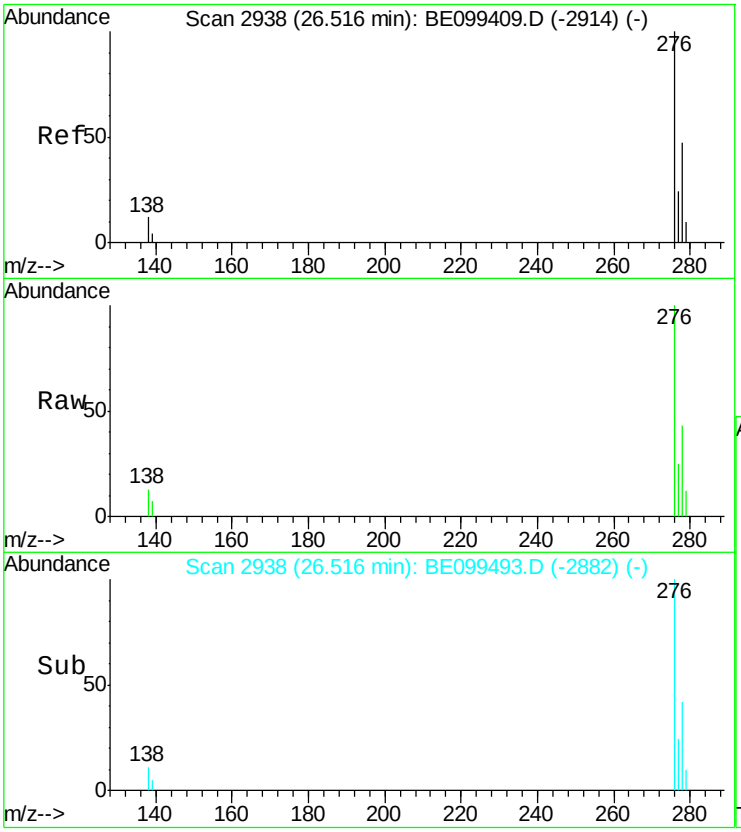


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:149 Resp: 45997

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.6
279	1.5	1.0	1.6



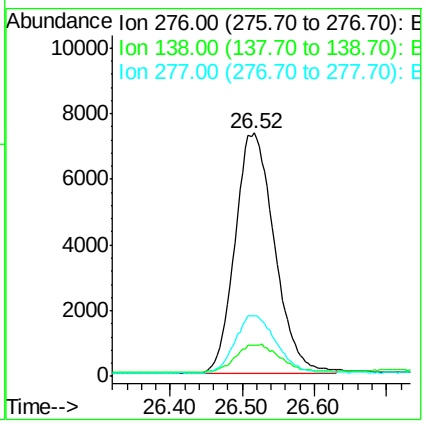


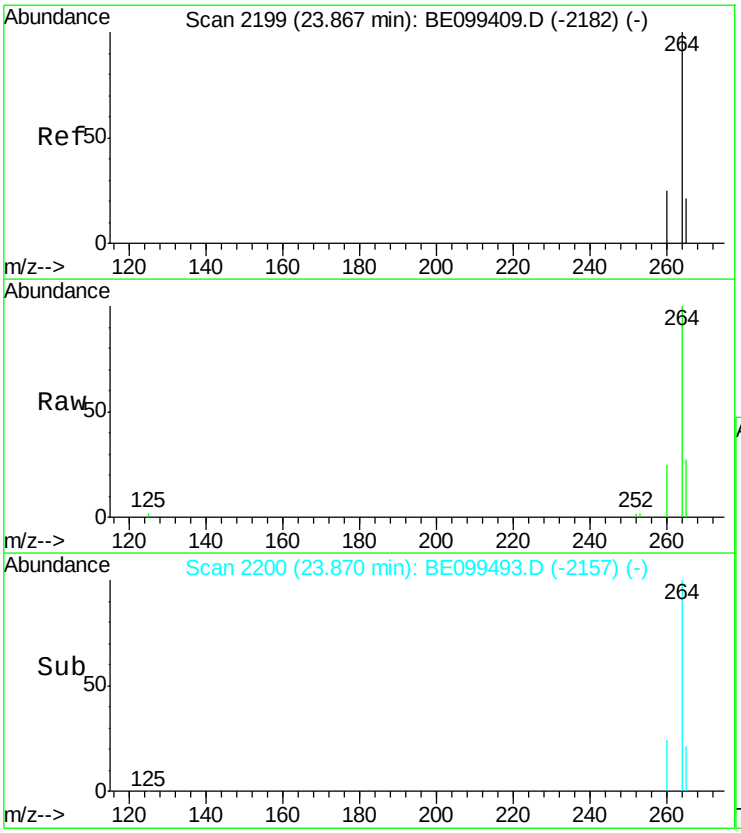
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.321 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:276 Resp: 27332

Ion	Ratio	Lower	Upper
276	100		
138	12.4	10.2	15.2
277	24.8	19.2	28.8

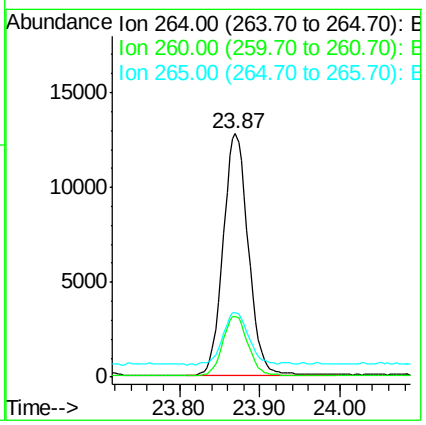


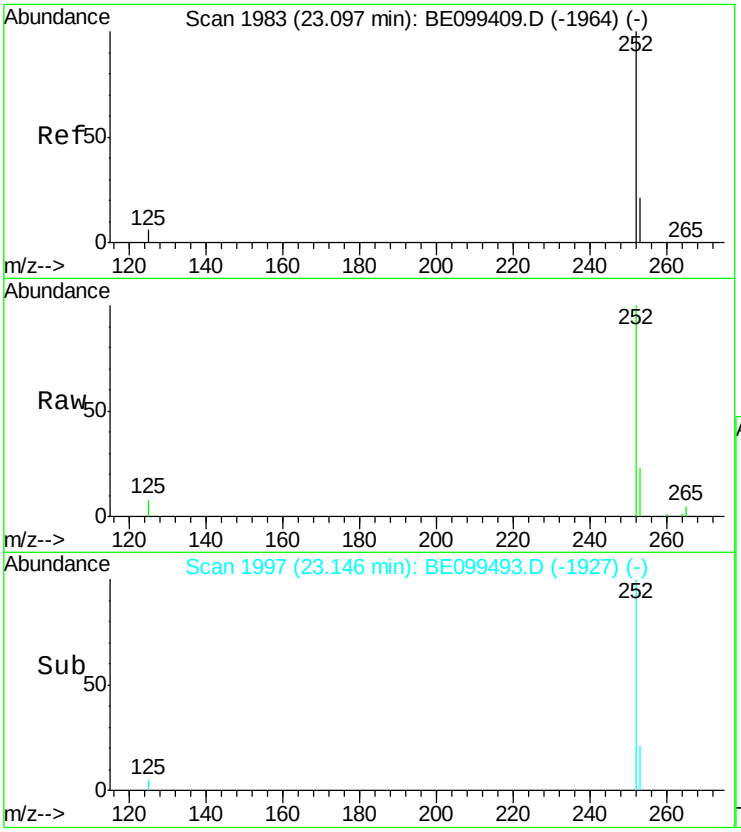


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:264 Resp: 27579

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	26.5	21.3	31.9



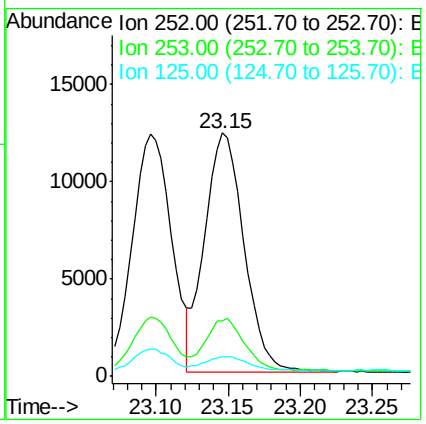


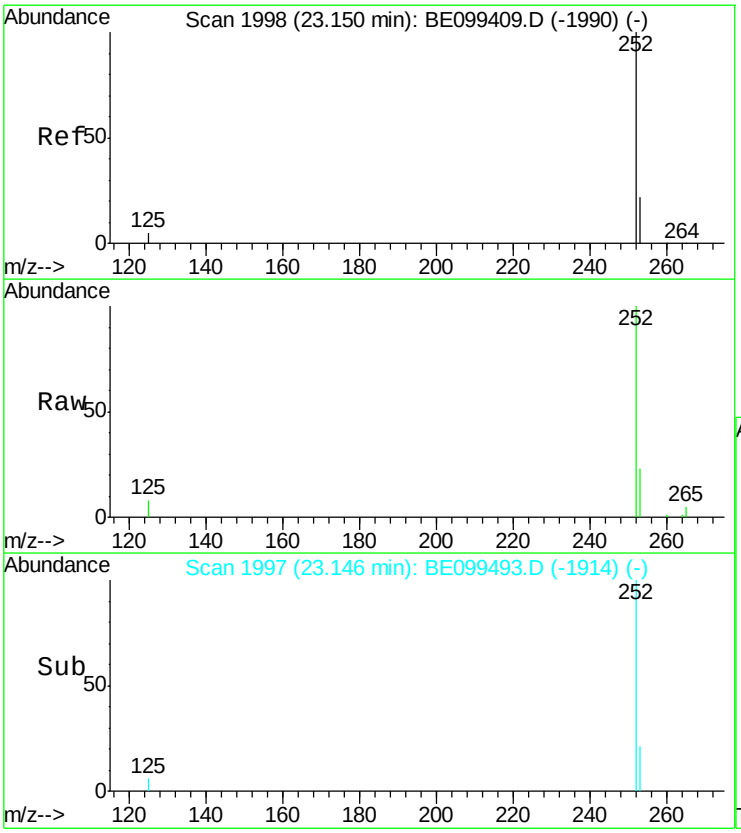
#35
Benzo(b)fluoranthene
Concen: 0.293 ng
RT: 23.15 min Scan# 1997
Delta R.T. 0.05 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:252 Resp: 23326

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	8.0	5.6	8.4

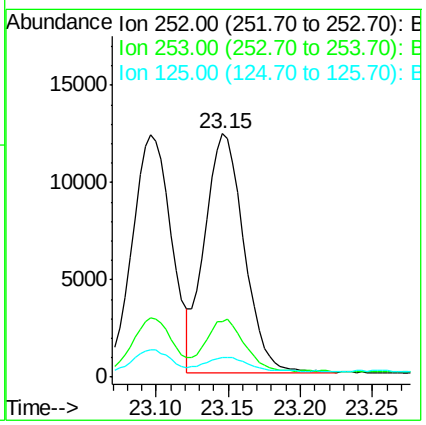


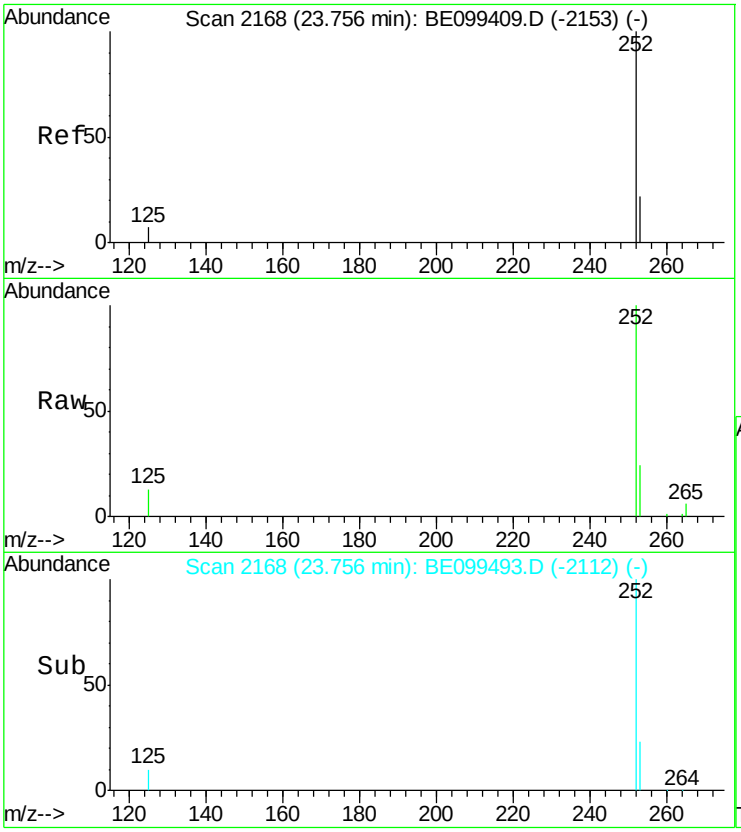


#36
Benzo(k)fluoranthene
Concen: 0.304 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:252 Resp: 23326

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	8.0	5.0	7.4#



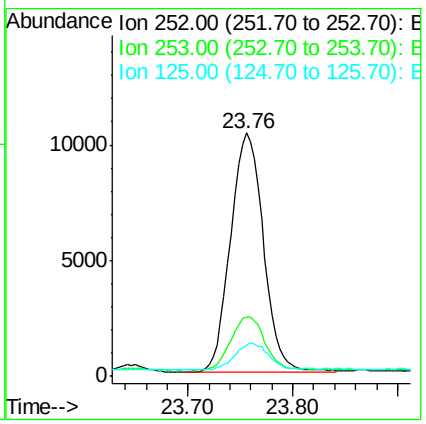


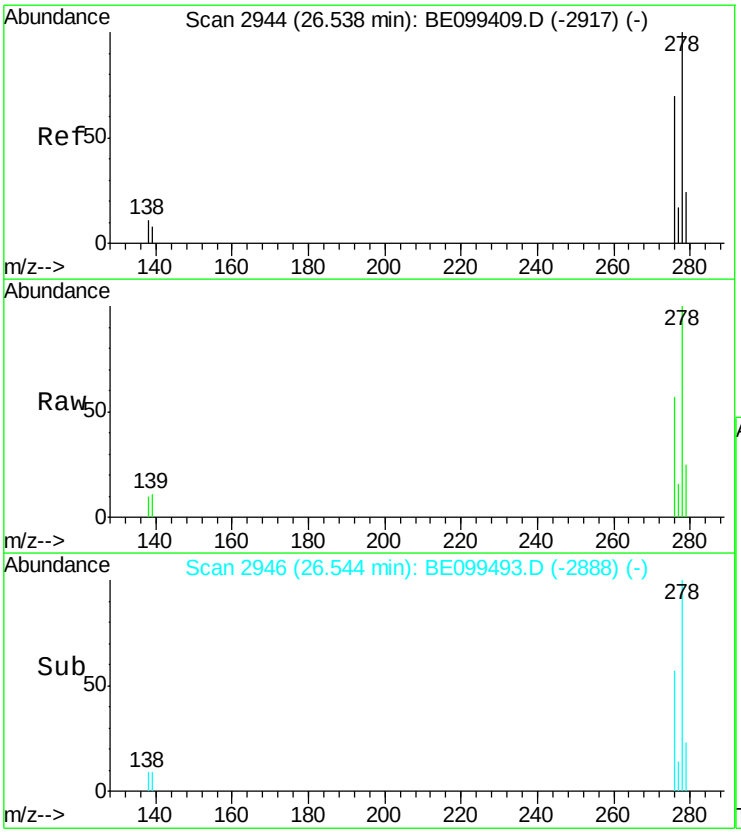
#37
Benzo(a)pyrene
Concen: 0.302 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:252 Resp: 22699

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.9	28.3
125	12.7	6.7	10.1#

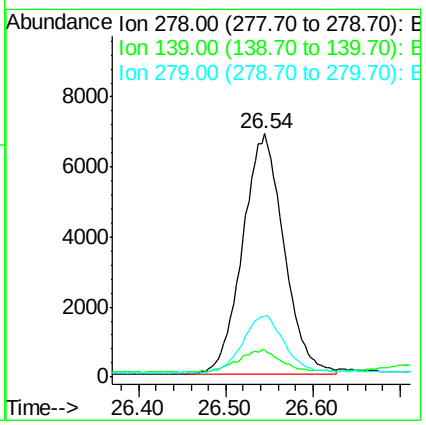


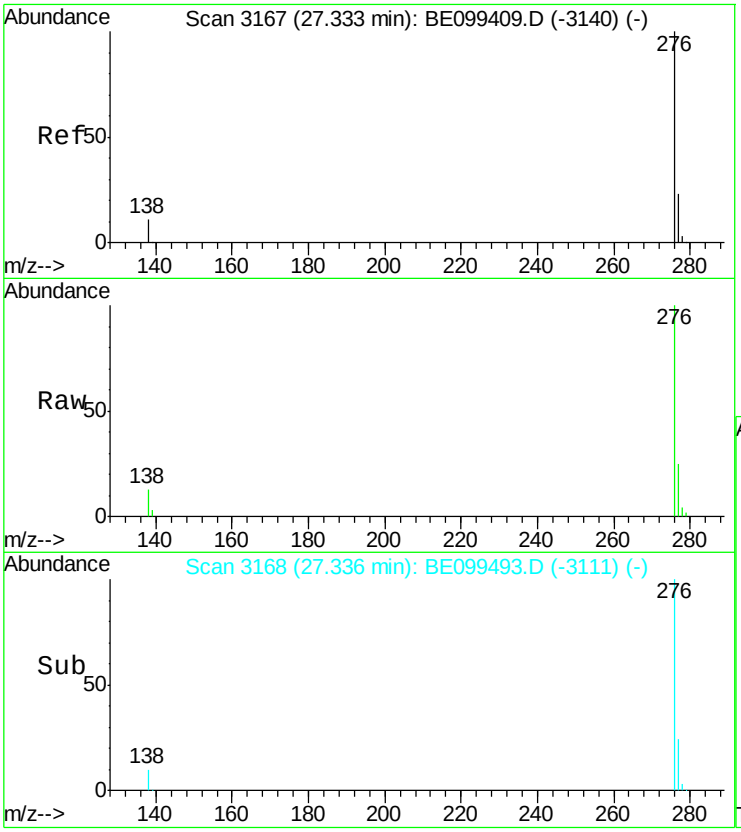


#38
Dibenzo(a,h)anthracene
Concen: 0.295 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:278 Resp: 22663

Ion	Ratio	Lower	Upper
278	100		
139	11.0	7.7	11.5
279	24.8	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.305 ng
RT: 27.34 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

Tgt Ion:276 Resp: 23528

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.5	29.3
138	12.5	9.6	14.4