Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
Data File : BE099431.D
Acq On : 30 Apr 2019 18:00
Operator : JU/SJ
Sample : K2587-16MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-004-B162-042319MS

Quant Time: Apr 30 23:58:59 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	2621	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	9104	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	5959	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	16999	0.40	ng		0.00
27) Chrysene-d12	21.36	240	25125	0.40	ng		0.00
34) Perylene-d12	23.86	264	33626	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2169	0.30	ng		0.00
5) Phenol-d6	6.96	99	2978	0.31	ng		-0.01
8) Nitrobenzene-d5	8.96	82	2444	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	5718	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.93	330	1057	0.28	ng		-0.01
15) 2-Fluorobiphenyl	13.07	172	6044	0.27	ng		-0.02
25) Fluoranthene-d10	19.21	212	55943	0.24	ng		0.00
29) Terphenyl-d14	19.81	244	11170	0.24	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	799	0.222	ng	#	31
3) n-Nitrosodimethylamine	3.64	42	568	0.261	ng	#	1
6) bis(2-Chloroethyl)ether	7.23	93	2313	0.278	ng		97
9) Naphthalene	10.65	128	29359	0.296	ng		100
10) Hexachlorobutadiene	10.93	225	1782	0.258	ng		98
12) 2-Methylnaphthalene	12.27	142	4791	0.278	ng		95
16) Acenaphthylene	14.17	152	8469	0.290	ng		99
17) Acenaphthene	14.51	154	4926	0.296	ng		99
18) Fluorene	15.49	166	7214	0.294	ng		98
20) 4-Bromophenyl-phenylether	16.39	248	2753	0.278	ng	#	87
21) Hexachlorobenzene	16.49	284	2636	0.279	ng		97
22) Pentachlorophenol	16.84	266	1511	0.482	ng		97
23) Phenanthrene	17.23	178	20907	0.477	ng		99
24) Anthracene	17.32	178	13564	0.324	ng		99
26) Fluoranthene	19.25	202	31711	0.483	ng		99
28) Pyrene	19.61	202	30736	0.469	ng		97
30) Benzo(a)anthracene	21.34	228	33081	0.413	ng		98
31) Chrysene	21.40	228	32823	0.419	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	37122	0.257	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	37208	0.402	ng		100
35) Benzo(b)fluoranthene	23.09	252	35586	0.367	ng		97
36) Benzo(k)fluoranthene	23.14	252	32155	0.344	ng		99
37) Benzo(a)pyrene	23.75	252	34131	0.372	ng		99
38) Dibenzo(a,h)anthracene	26.52	278	28227	0.301	ng		99
39) Benzo(g,h,i)perylene	27.32	276	32268	0.343	ng		98

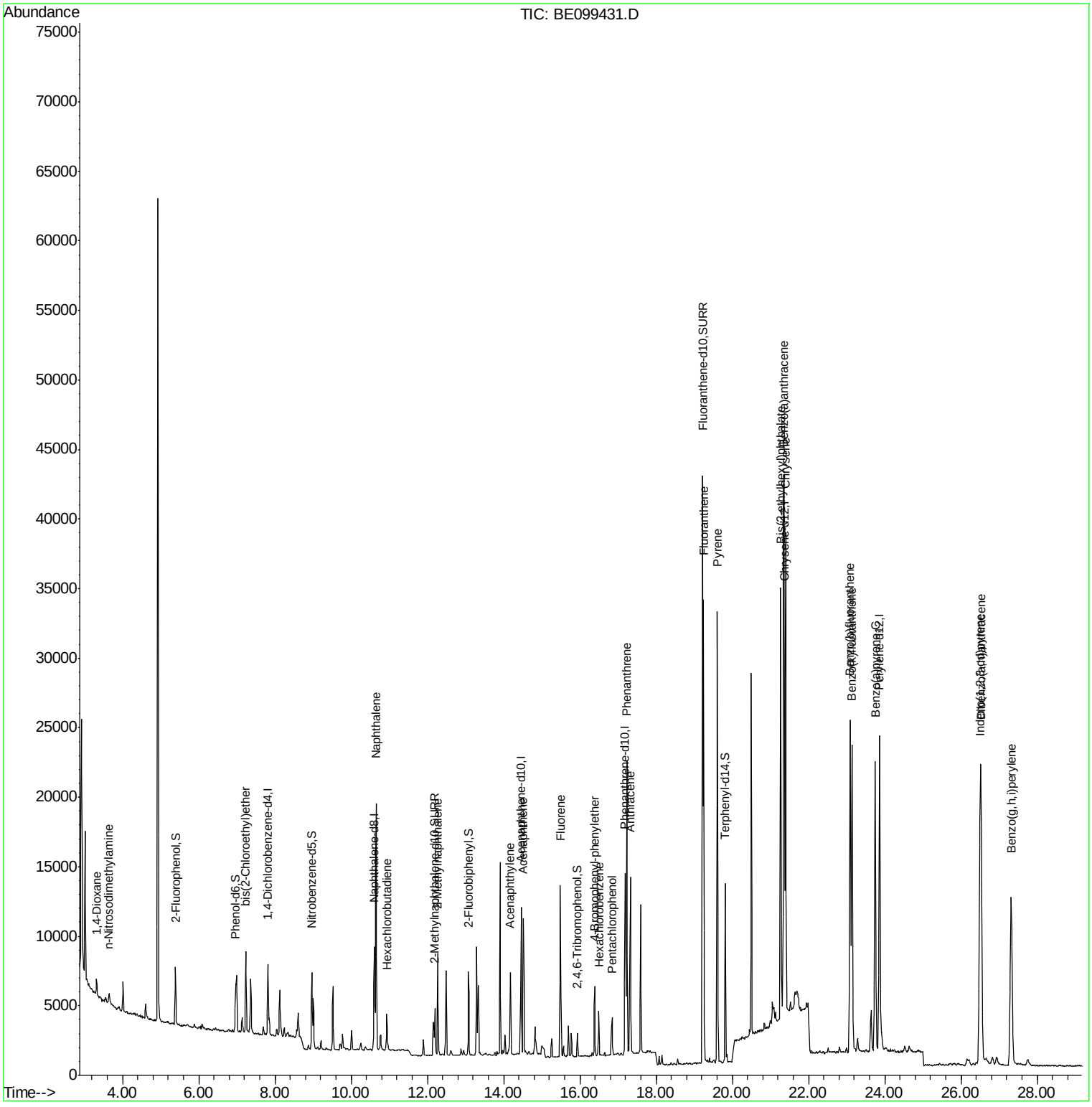
(#) = qualifier out of range (m) = manual integration (+) = signals summed

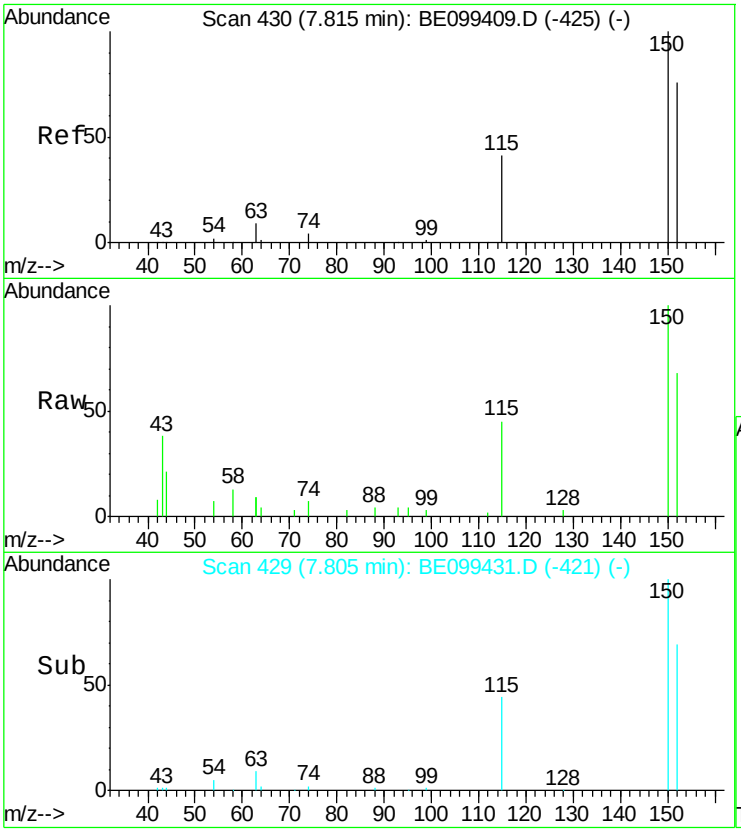
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
Data File : BE099431.D
Acq On : 30 Apr 2019 18:00
Operator : JU/SJ
Sample : K2587-16MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Quant Time: Apr 30 23:58:59 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



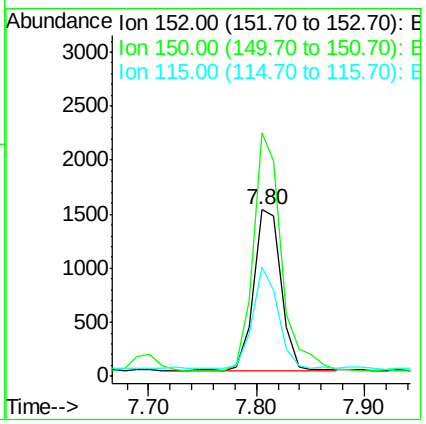


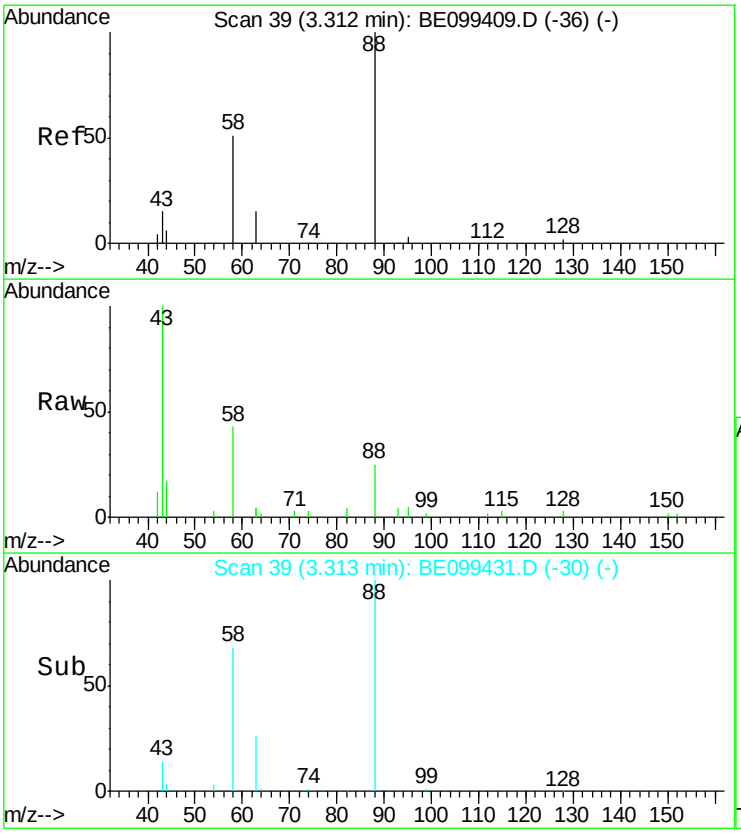
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:152 Resp: 2621

Ion	Ratio	Lower	Upper
152	100		
150	146.0	104.8	157.2
115	65.5	46.6	69.8

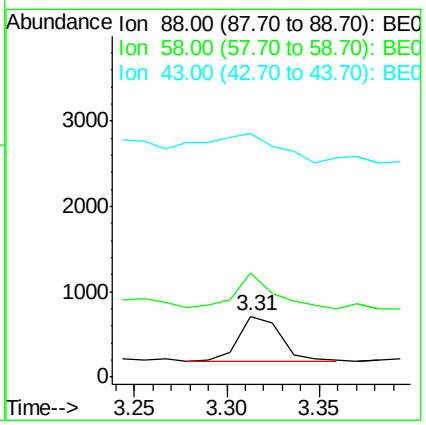


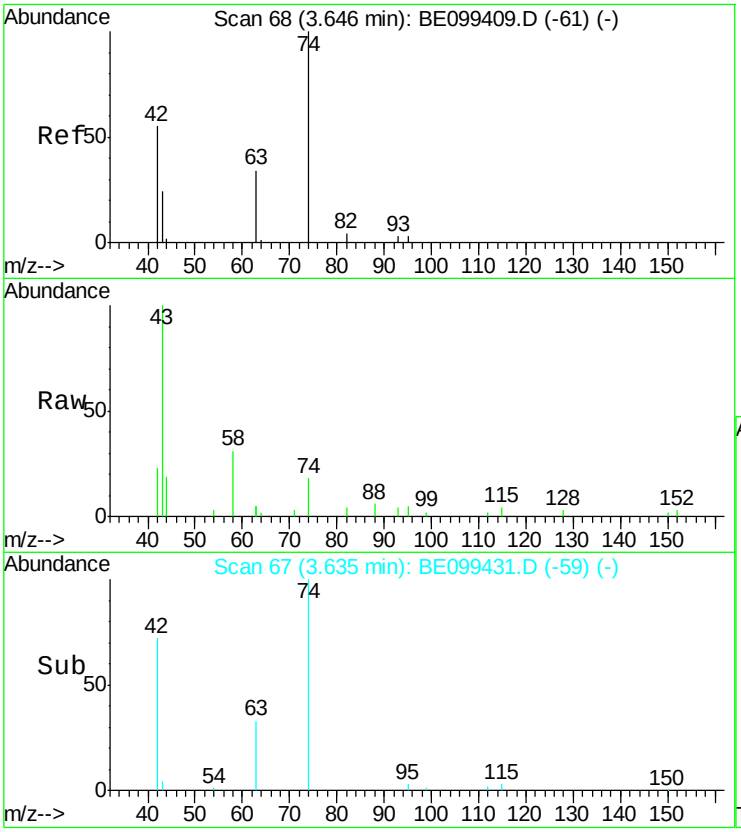


#2
1,4-Dioxane
Concen: 0.222 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion: 88 Resp: 799

Ion	Ratio	Lower	Upper
88	100		
58	77.1	51.0	76.6#
43	126.3	20.6	30.8#



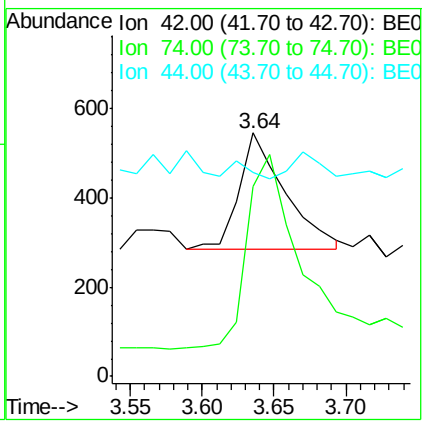


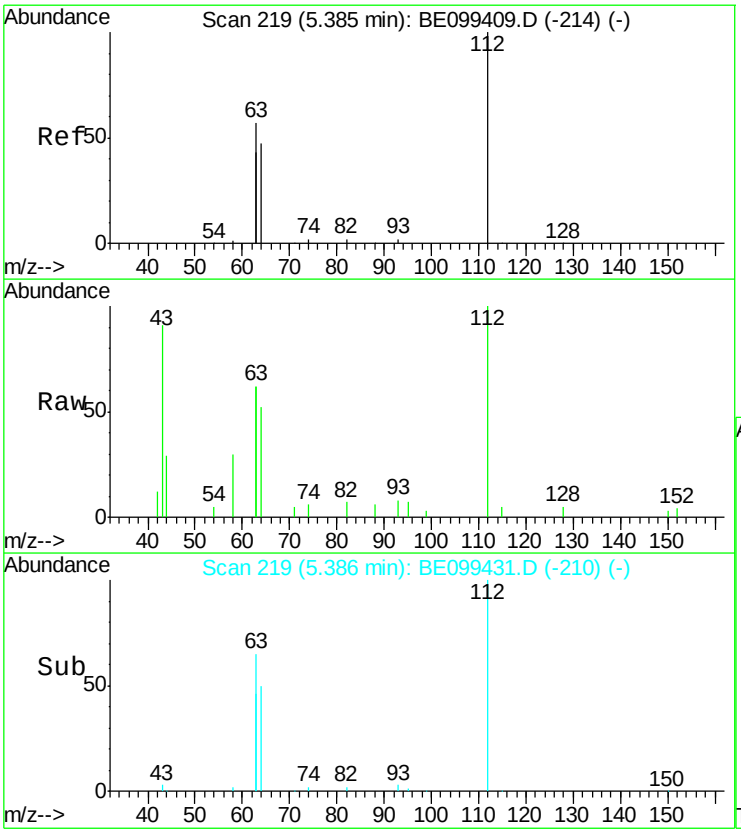
#3
n-Nitrosodimethylamine
Concen: 0.261 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion: 42 Resp: 568

Ion	Ratio	Lower	Upper
42	100		
74	0.0	141.6	212.4#
44	6.2	0.0	0.0#

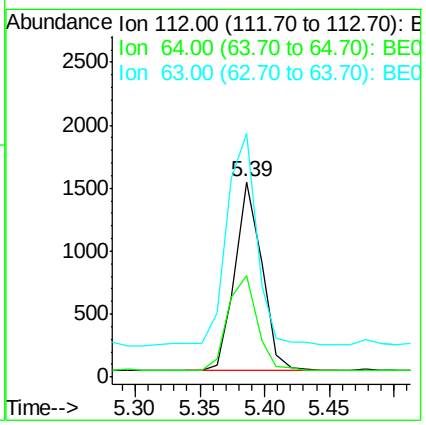


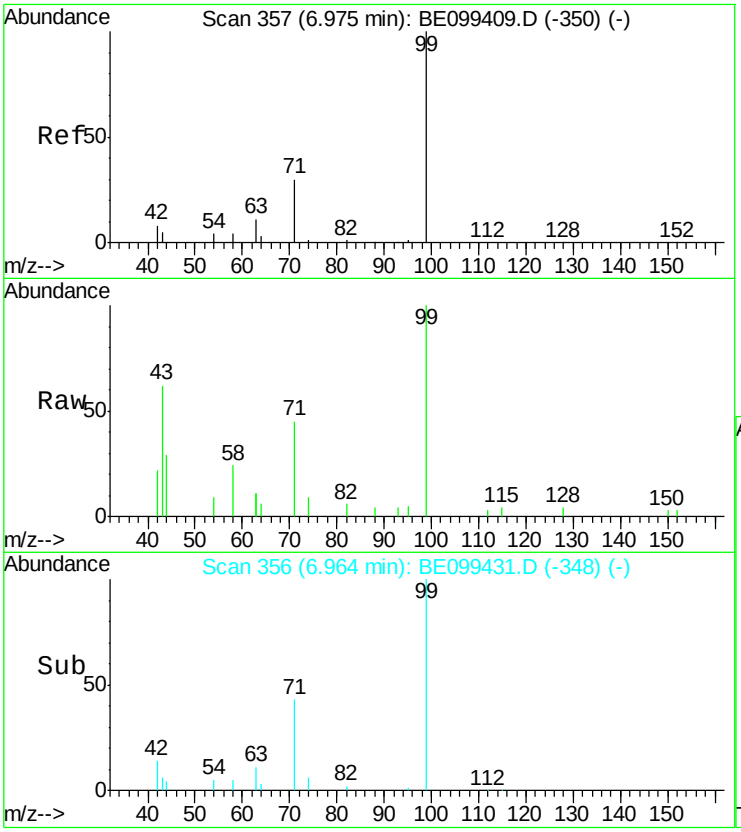


#4
2-Fluorophenol
Concen: 0.299 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:112 Resp: 2169

Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.4	71.0
63	126.8	104.3	156.5



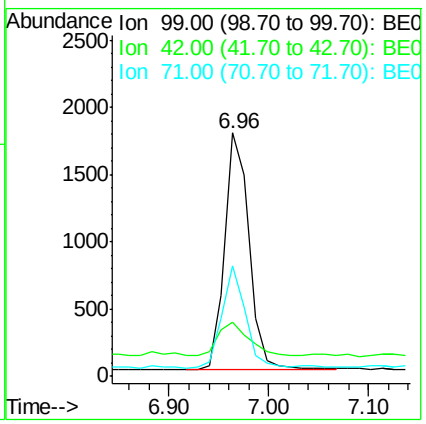


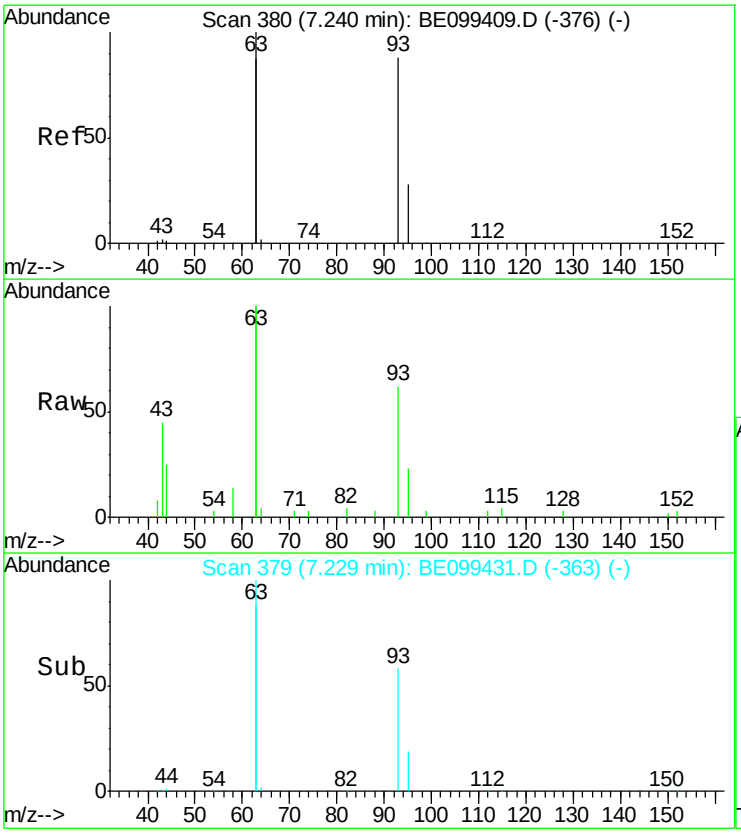
#5
Phenol-d6
Concen: 0.309 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion: 99 Resp: 2978

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.9	22.3
71	41.4	33.0	49.6

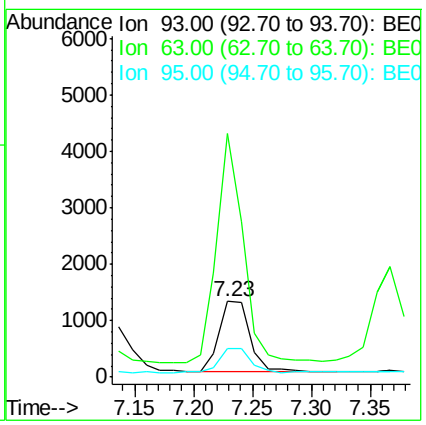


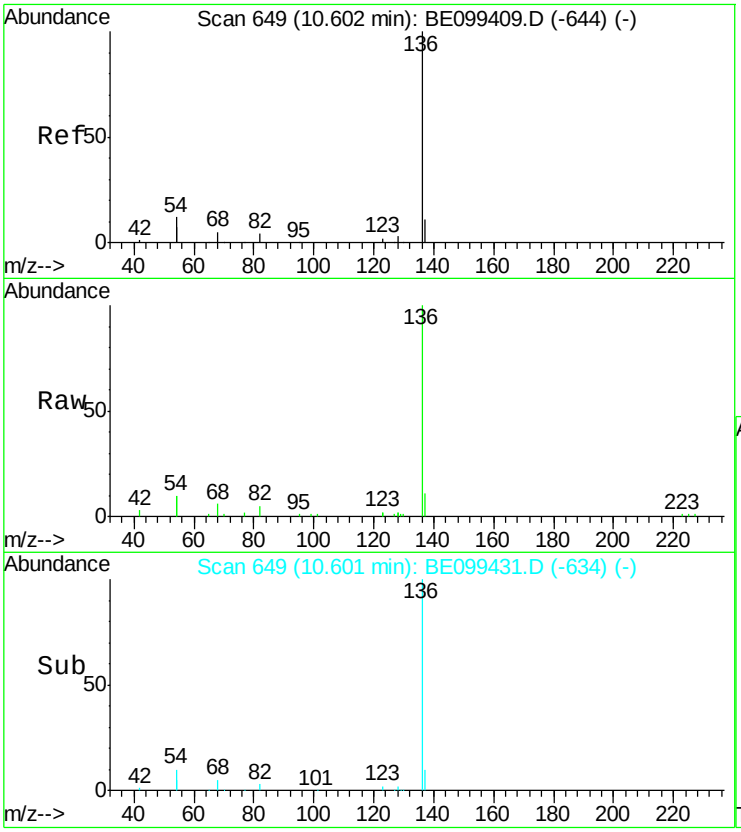


#6
bis(2-Chloroethyl)ether
Concen: 0.278 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion: 93 Resp: 2313

Ion	Ratio	Lower	Upper
93	100		
63	274.9	215.6	323.4
95	33.8	26.2	39.2



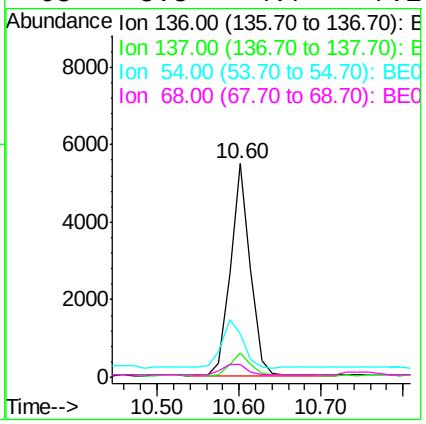


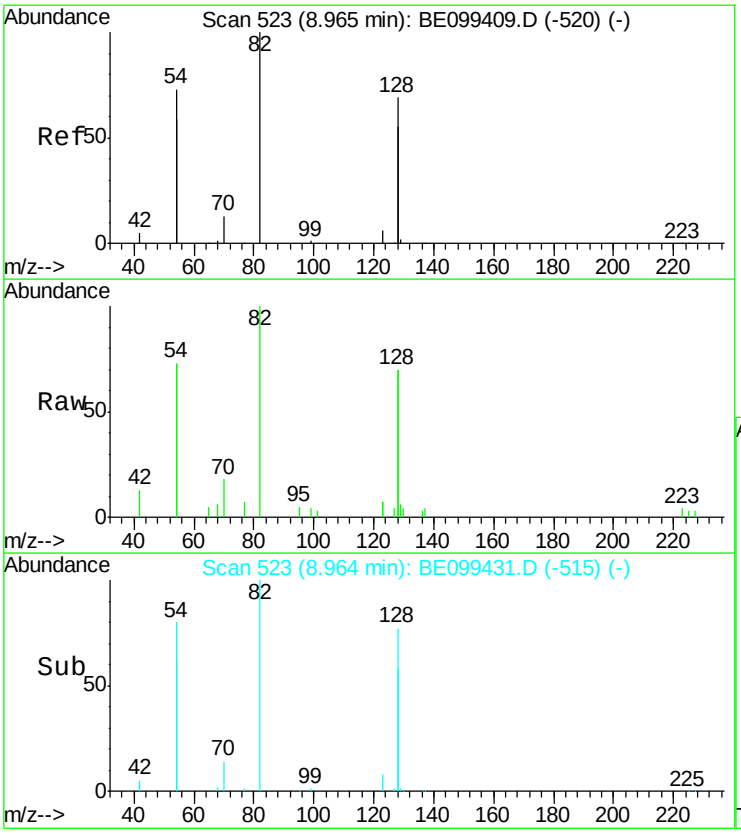
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:136 Resp: 9104

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.8
54	20.1	18.5	27.7
68	5.8	4.7	7.1

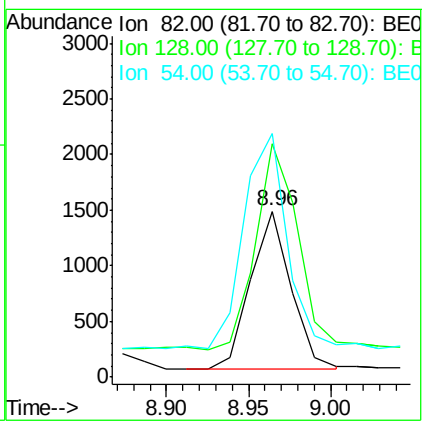


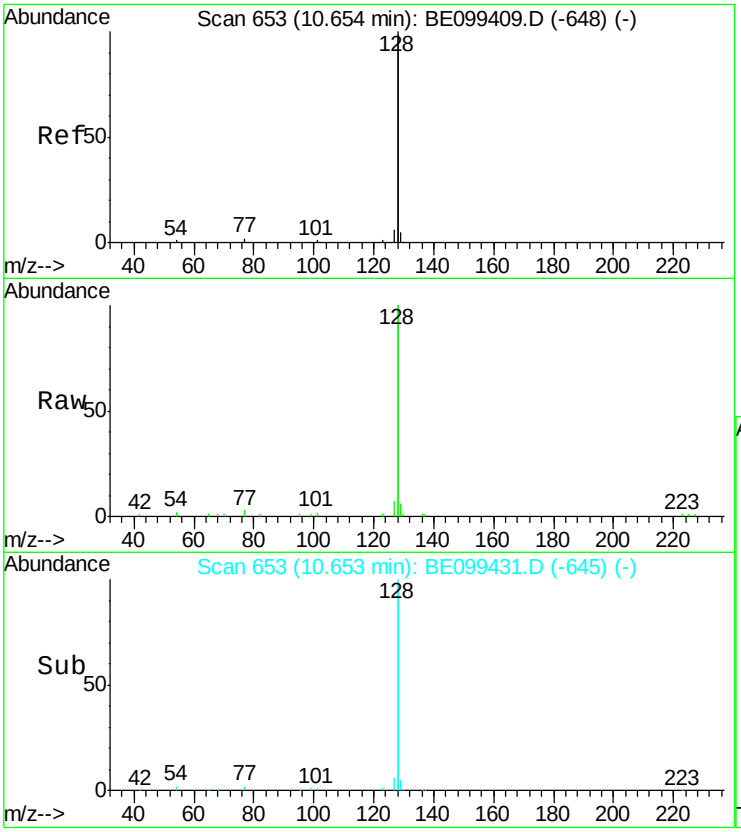


#8
Nitrobenzene-d5
Concen: 0.286 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion: 82 Resp: 2444

Ion	Ratio	Lower	Upper
82	100		
128	140.4	107.0	160.4
54	146.7	113.1	169.7



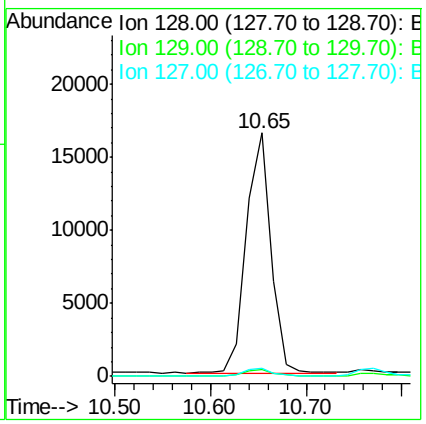


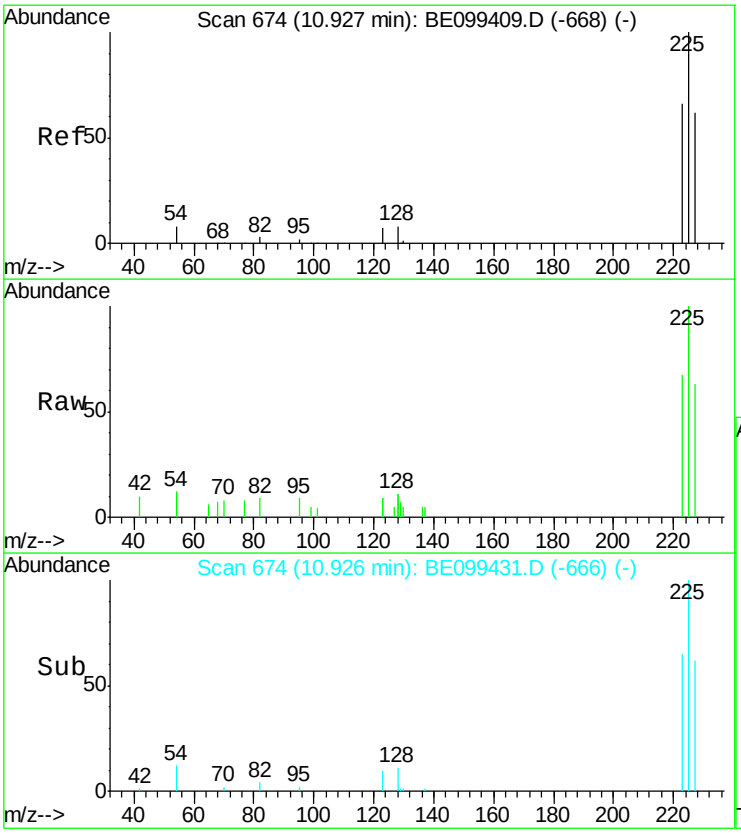
#9
Naphthalene
Concen: 0.296 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:128 Resp: 29359

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.4	3.6
127	3.5	2.8	4.2

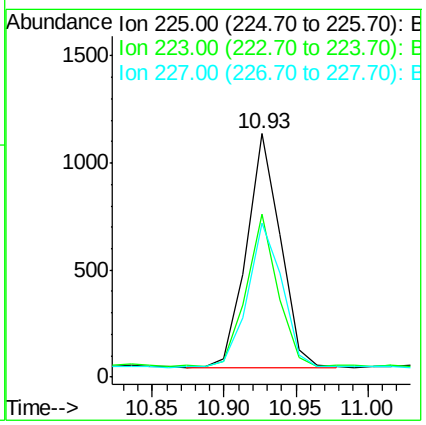


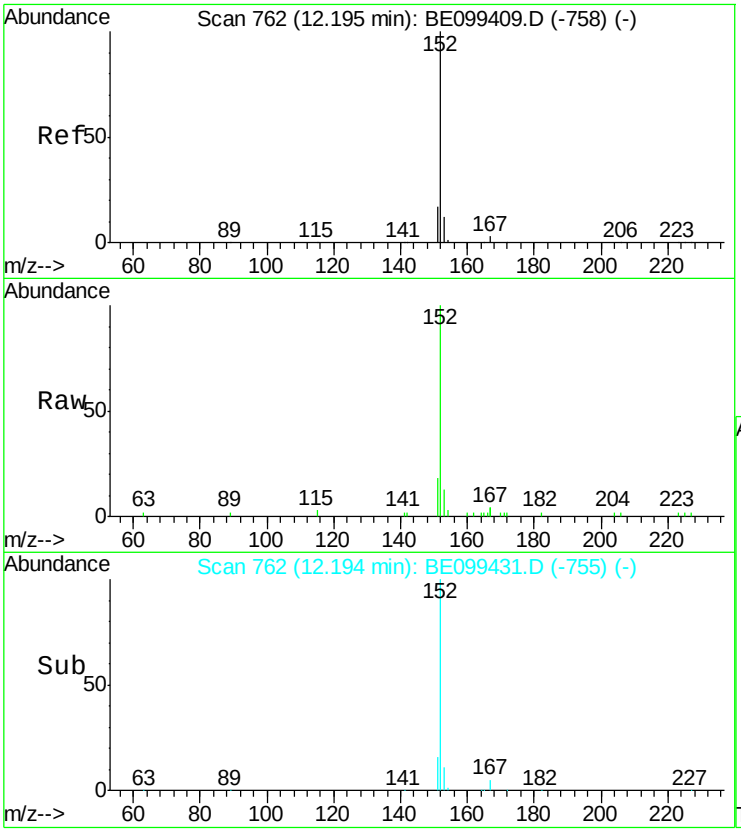


#10
Hexachlorobutadiene
Concen: 0.258 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:225 Resp: 1782

Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.0	76.6
227	63.0	50.9	76.3



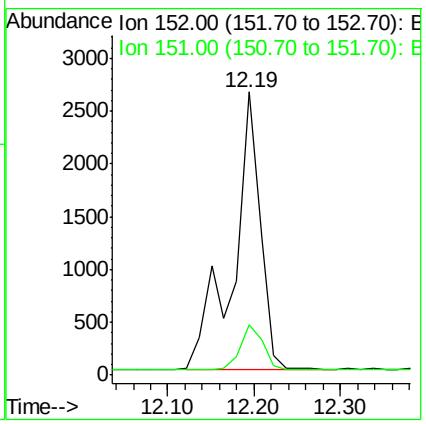


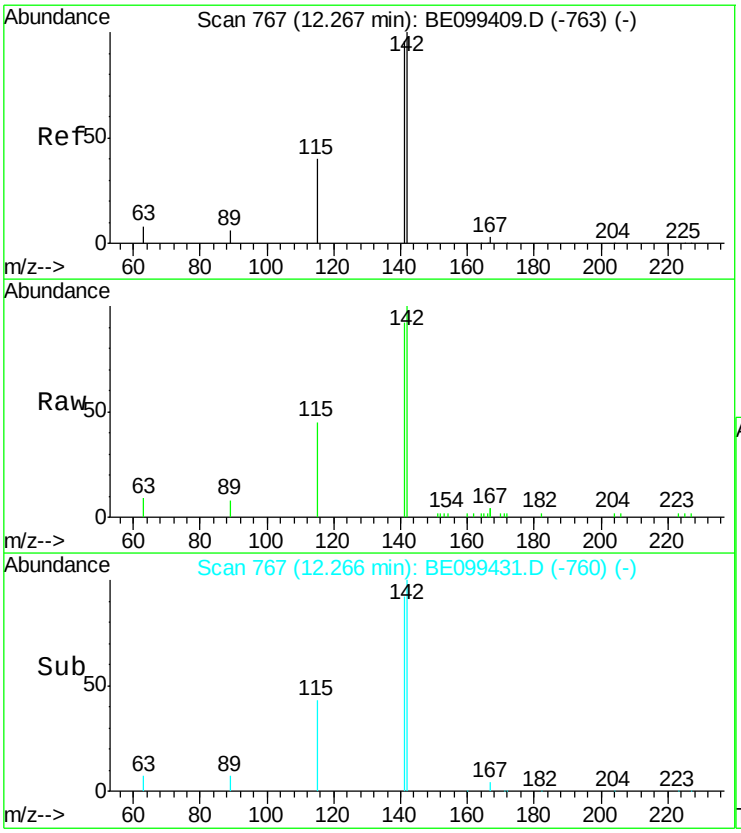
#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:152 Resp: 5718

Ion	Ratio	Lower	Upper
152	100		
151	13.8	15.5	23.3#

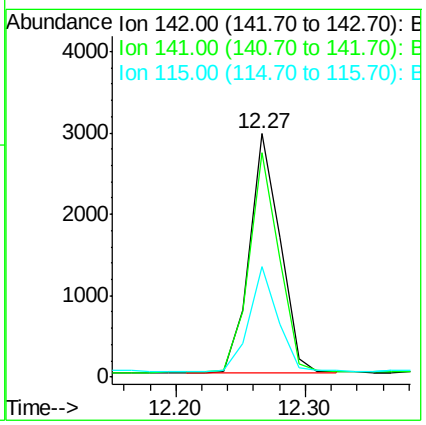


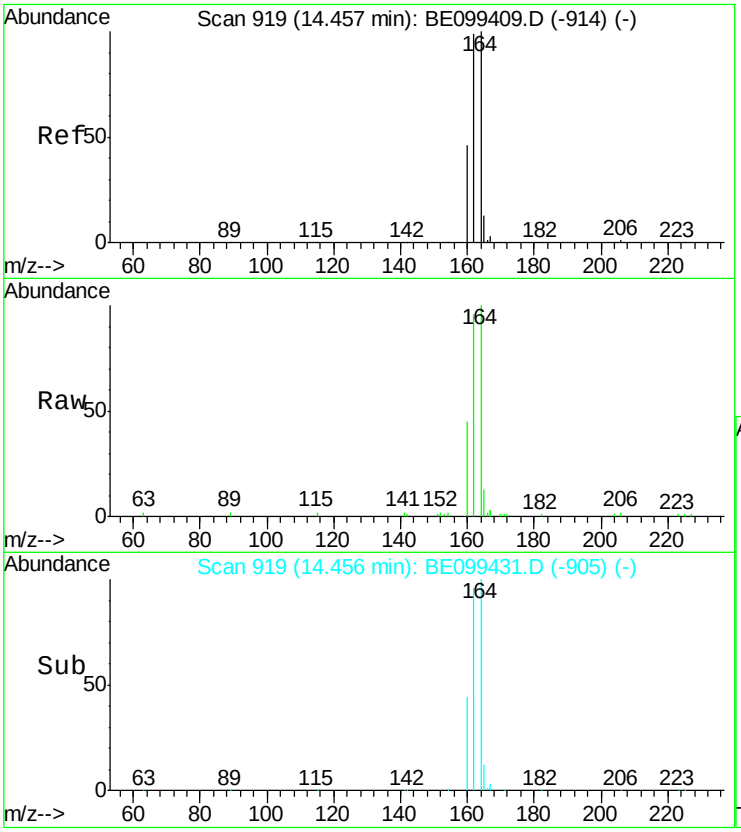


#12
2-Methylnaphthalene
Concen: 0.278 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:142 Resp: 4791

Ion	Ratio	Lower	Upper
142	100		
141	92.0	77.0	115.4
115	45.3	33.4	50.0



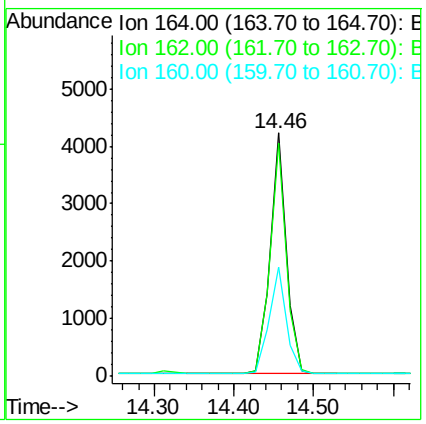


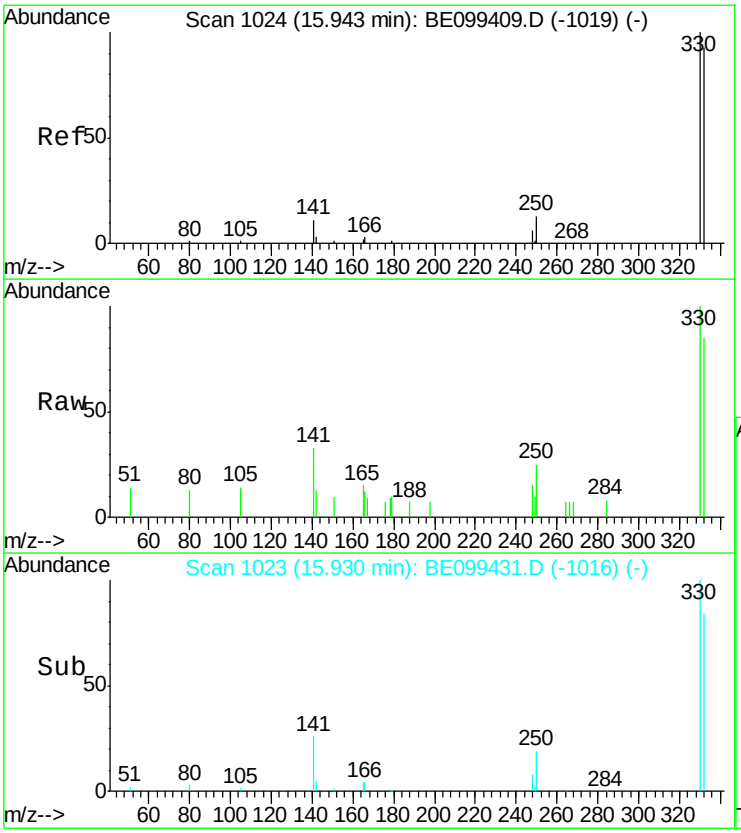
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:164 Resp: 5959

Ion	Ratio	Lower	Upper
164	100		
162	95.7	79.0	118.4
160	44.7	37.0	55.4

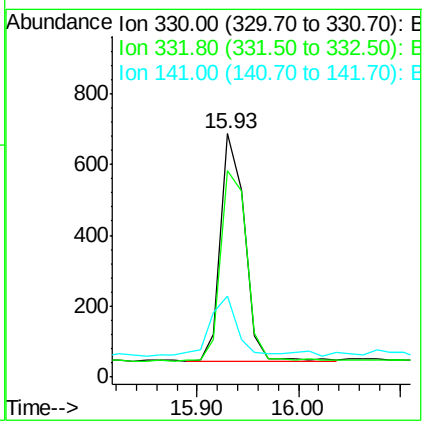


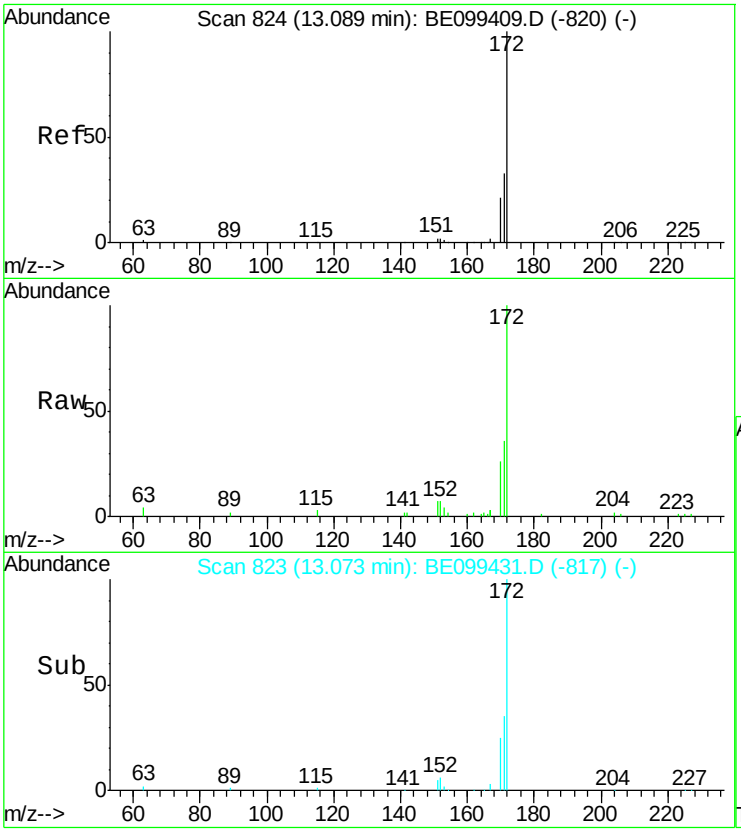


#14
2,4,6-Tribromophenol
Concen: 0.282 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:330 Resp: 1057

Ion	Ratio	Lower	Upper
330	100		
332	89.1	71.5	107.3
141	28.2	24.0	36.0



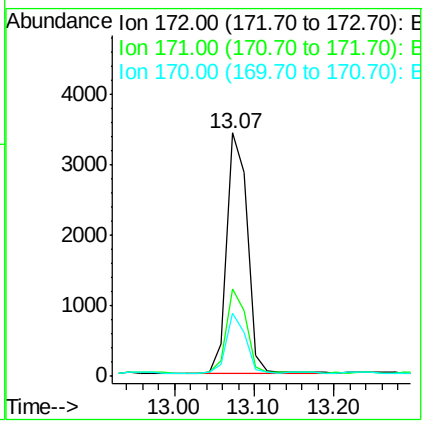


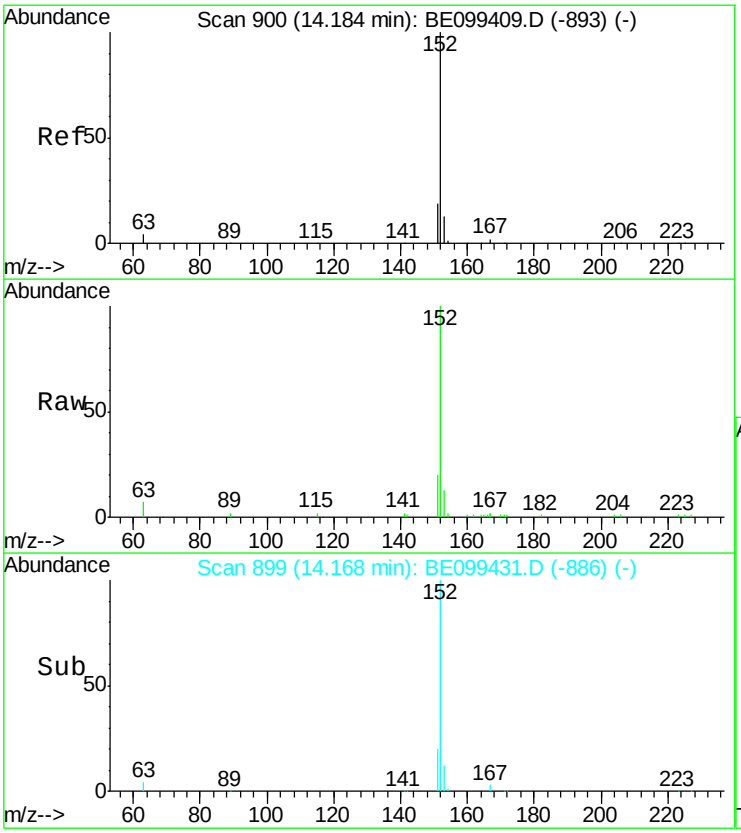
#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:172 Resp: 6044

Ion	Ratio	Lower	Upper
172	100		
171	35.9	26.6	39.8
170	25.7	17.0	25.6#

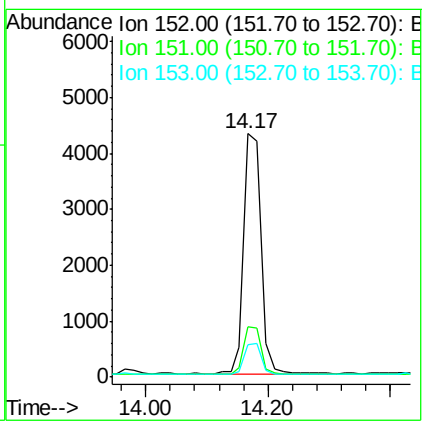


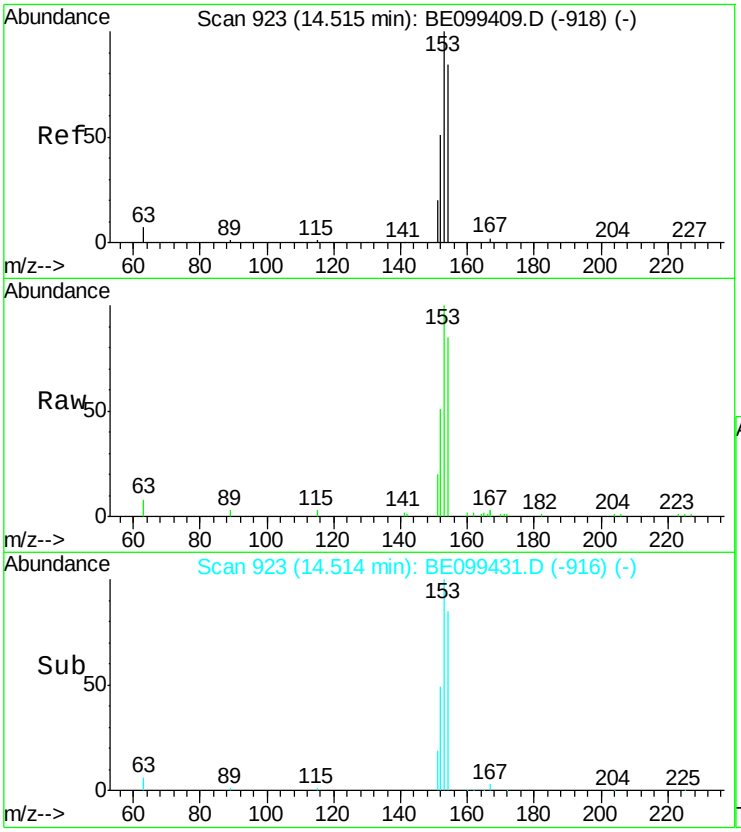


#16
Acenaphthylene
Concen: 0.290 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:152 Resp: 8469

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	12.8	9.8	14.6



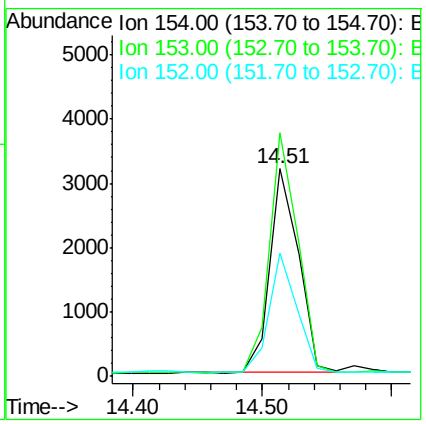


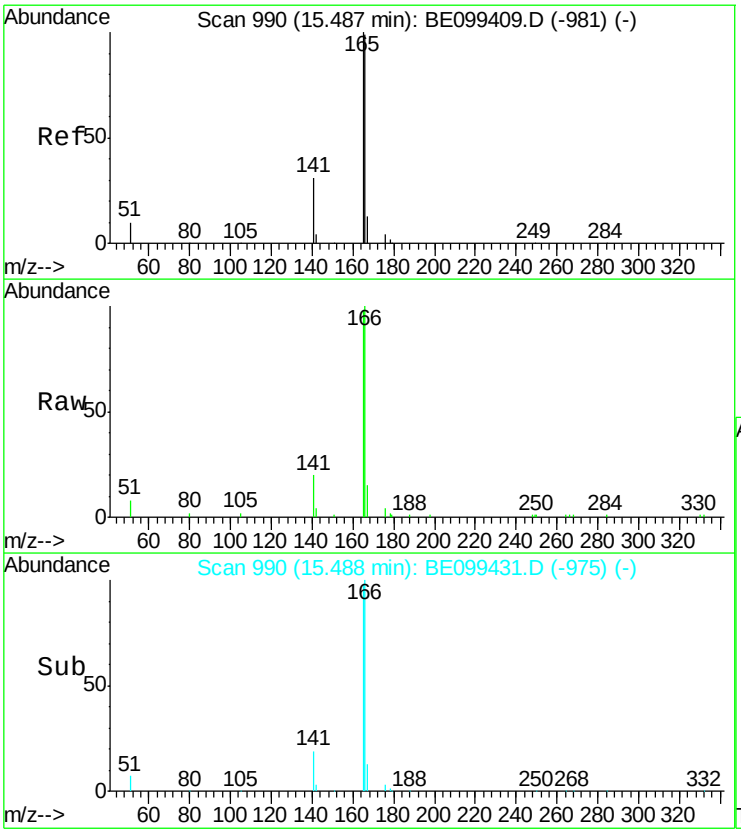
#17
Acenaphthene
Concen: 0.296 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:154 Resp: 4926

Ion	Ratio	Lower	Upper
154	100		
153	116.0	92.6	138.8
152	56.4	45.8	68.8

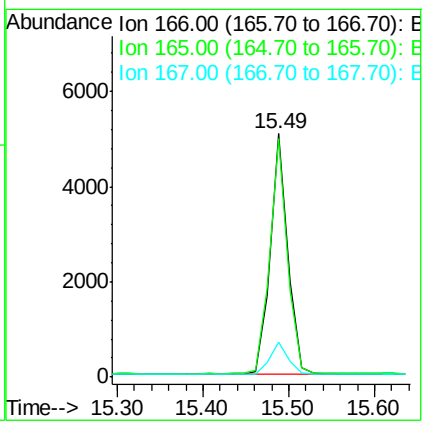


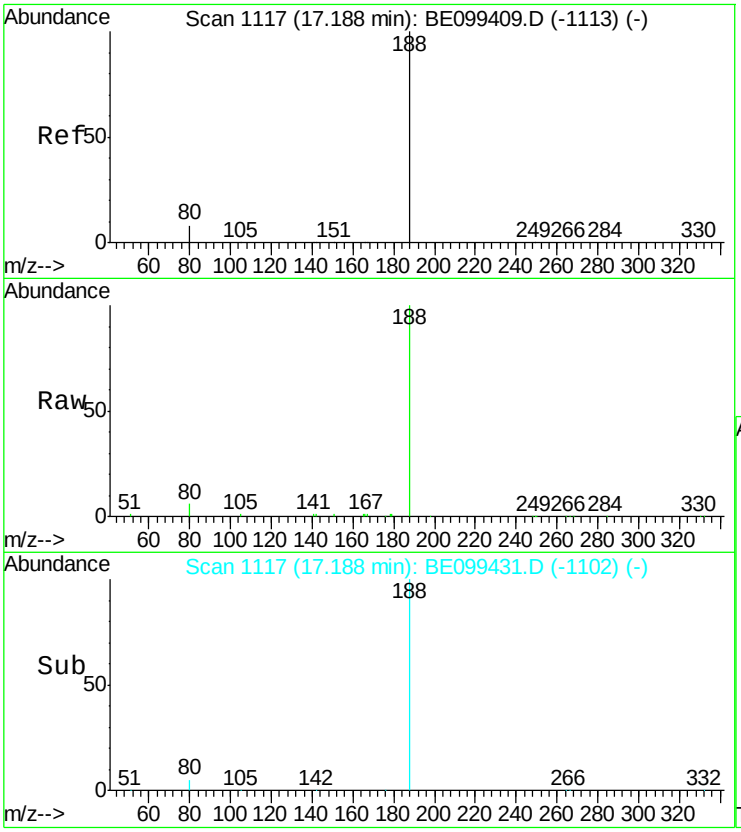


#18
Fluorene
Concen: 0.294 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:166 Resp: 7214

Ion	Ratio	Lower	Upper
166	100		
165	98.0	80.3	120.5
167	14.1	10.7	16.1



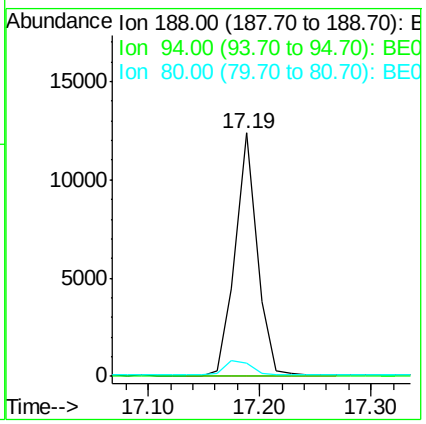


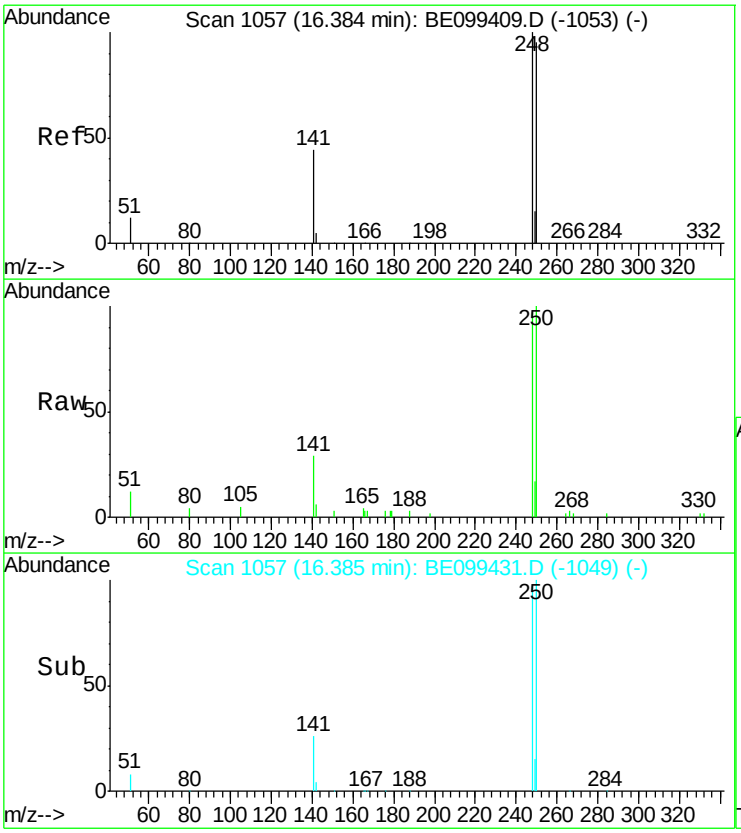
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:188 Resp: 16999

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	6.7	10.1#

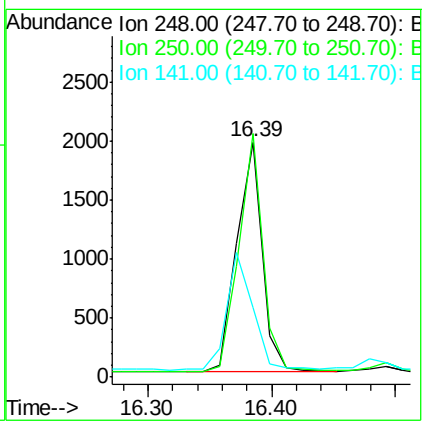


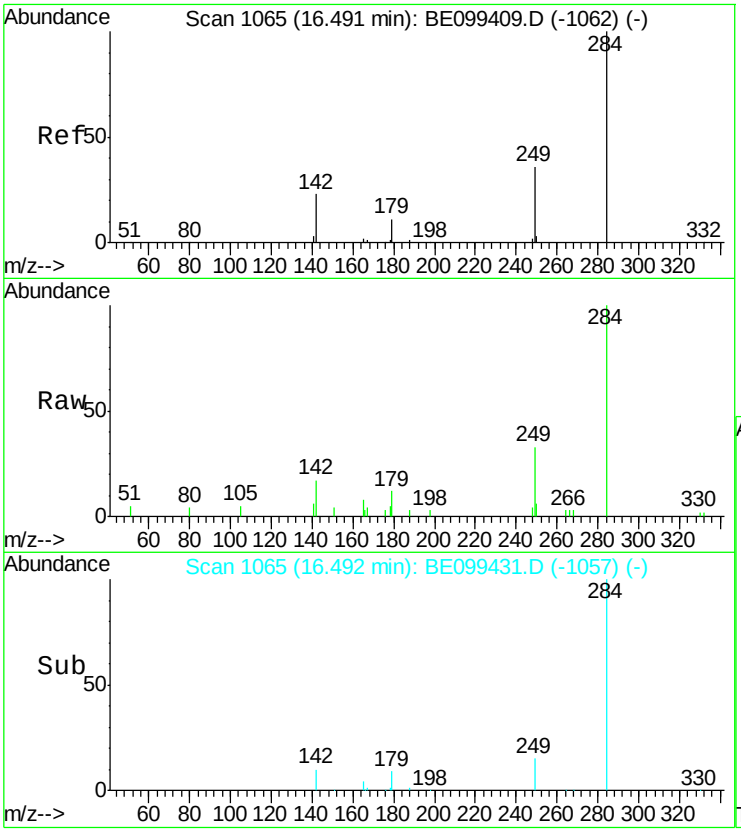


#20
4-Bromophenyl-phenylether
Concen: 0.278 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:248 Resp: 2753

Ion	Ratio	Lower	Upper
248	100		
250	103.5	75.8	113.8
141	29.7	35.7	53.5#



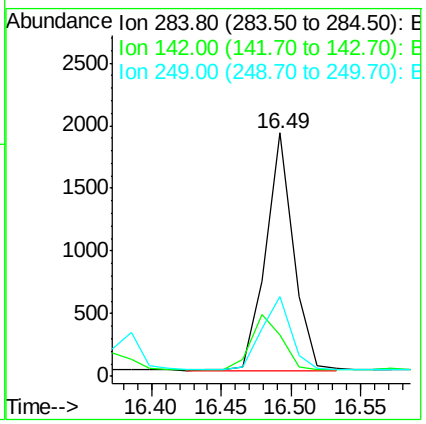


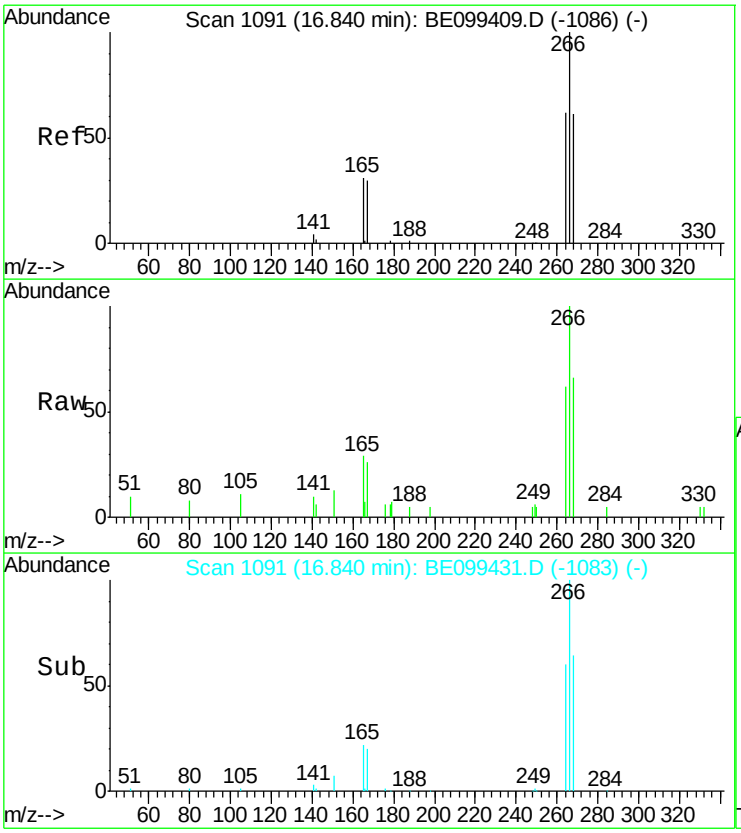
#21
Hexachlorobenzene
Concen: 0.279 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:284 Resp: 2636

Ion	Ratio	Lower	Upper
284	100		
142	25.0	21.0	31.6
249	31.9	26.7	40.1

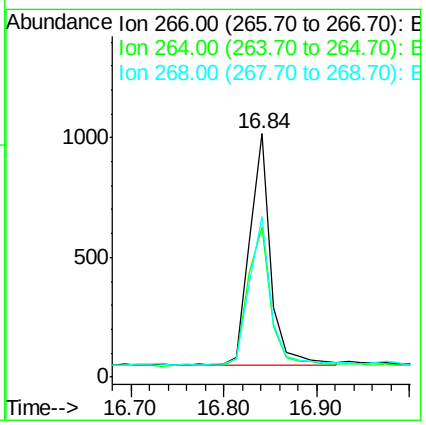


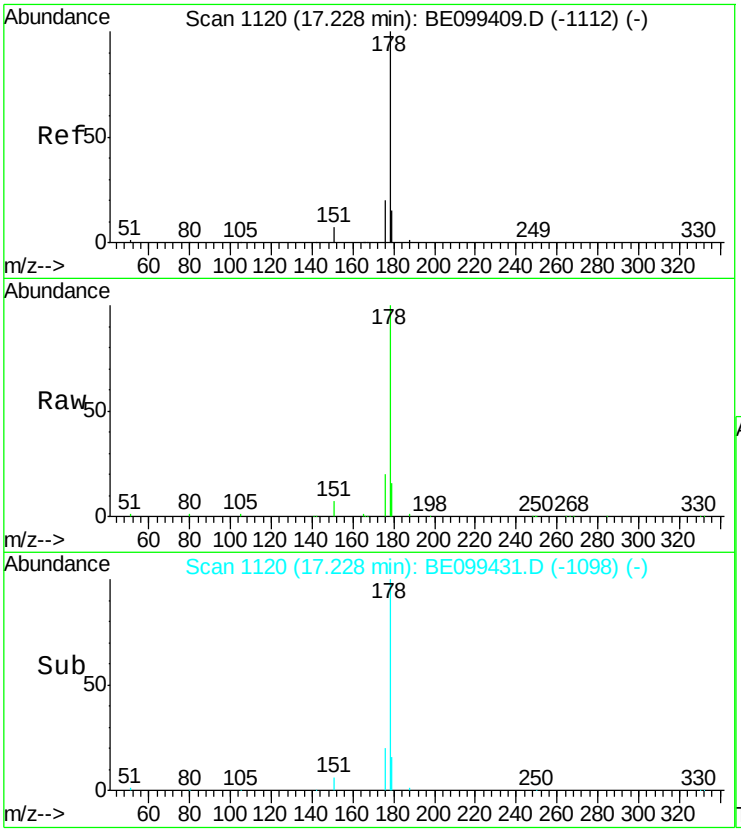


#22
Pentachlorophenol
Concen: 0.482 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:266 Resp: 1511

Ion	Ratio	Lower	Upper
266	100		
264	61.8	50.8	76.2
268	66.0	50.5	75.7



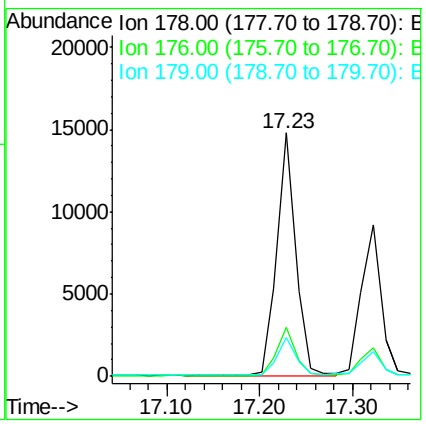


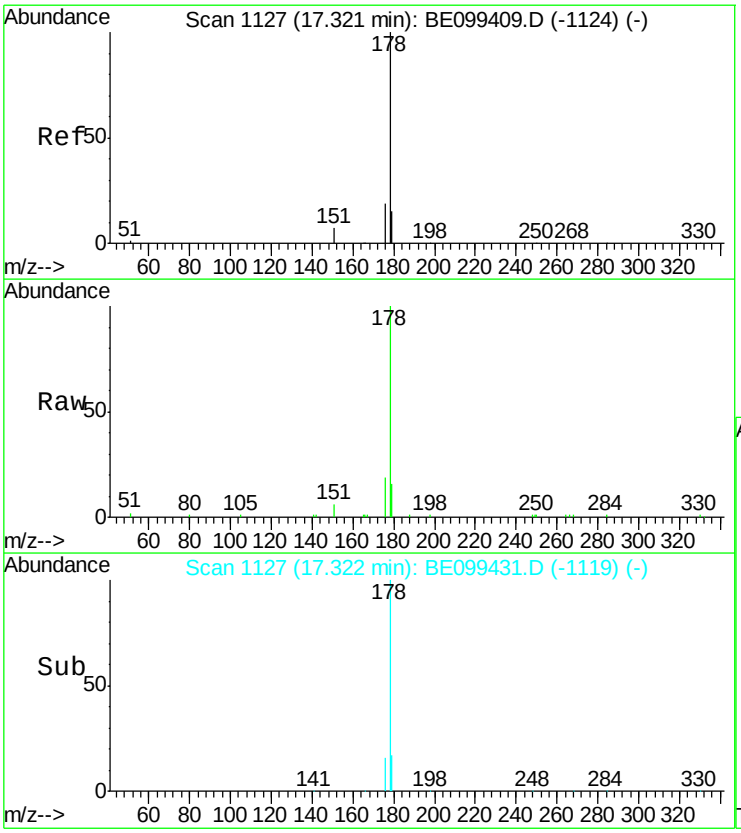
#23
Phenanthrene
Concen: 0.477 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:178 Resp: 20907

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.6	12.0	18.0

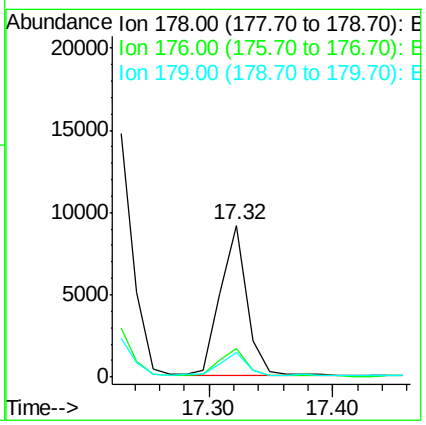


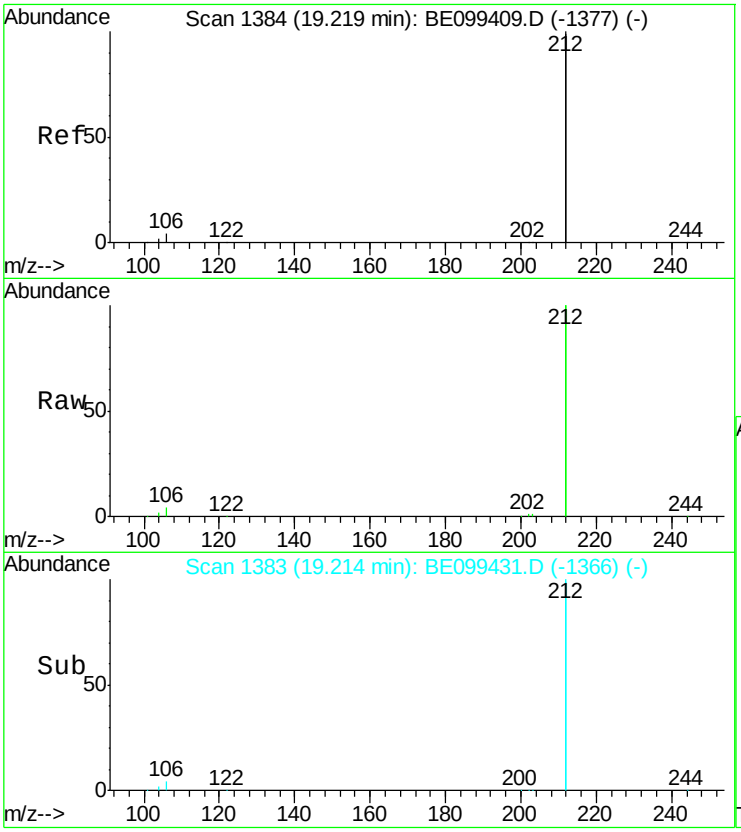


#24
Anthracene
Concen: 0.324 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:178 Resp: 13564

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.4	11.9	17.9



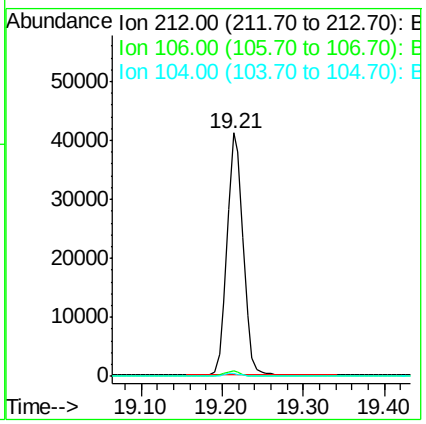


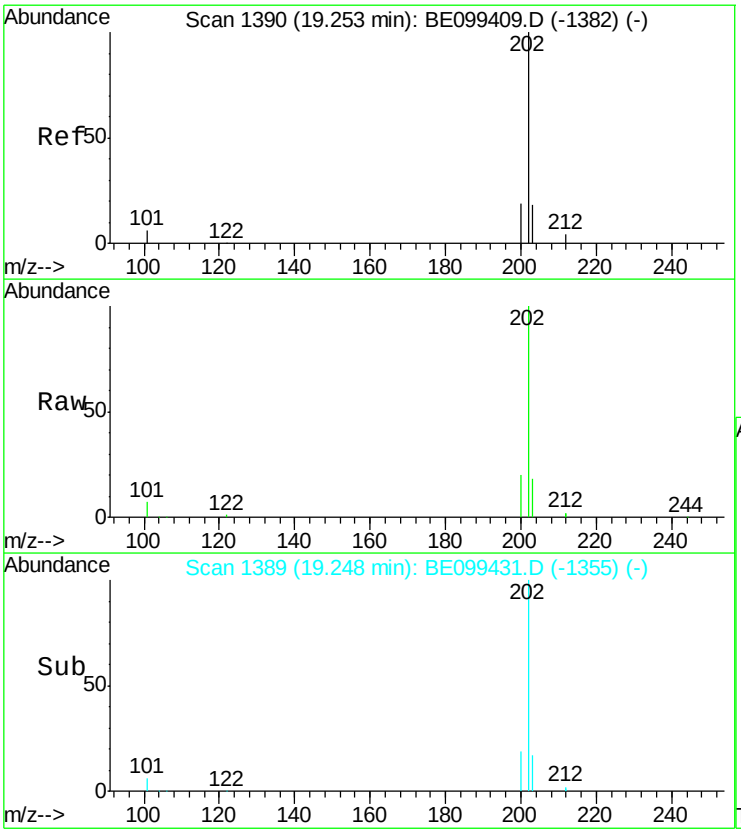
#25
Fluoranthene-d10
Concen: 0.244 ng
RT: 19.21 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:212 Resp: 55943

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3

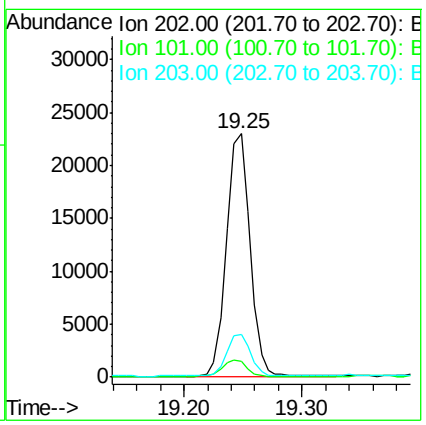


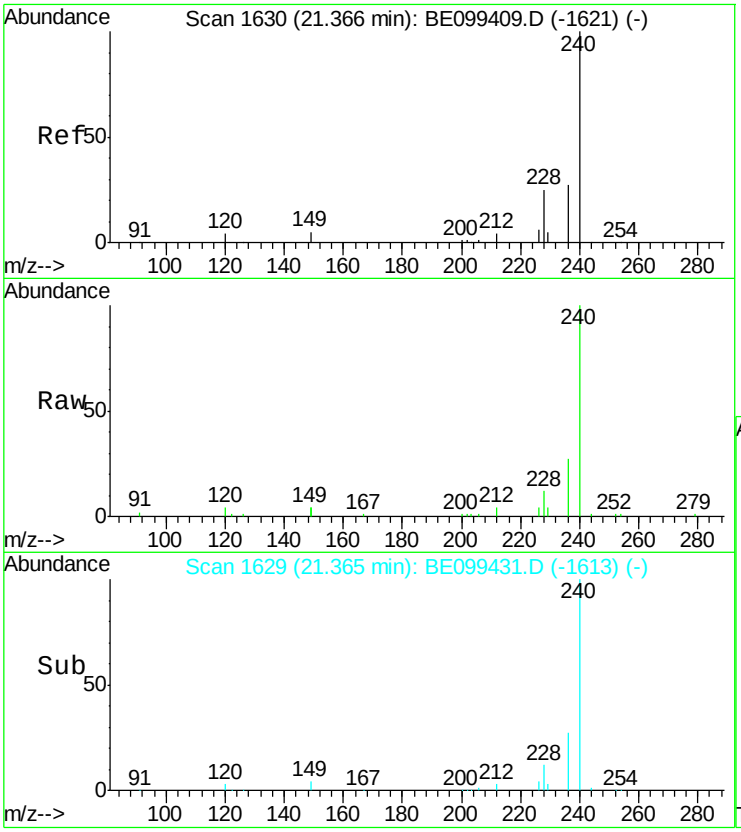


#26
Fluoranthene
Concen: 0.483 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:202 Resp: 31711

Ion	Ratio	Lower	Upper
202	100		
101	7.0	5.4	8.0
203	17.1	13.9	20.9



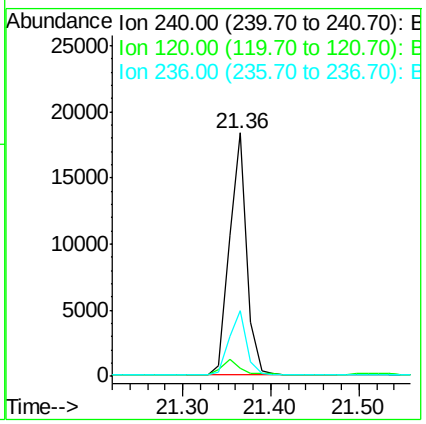


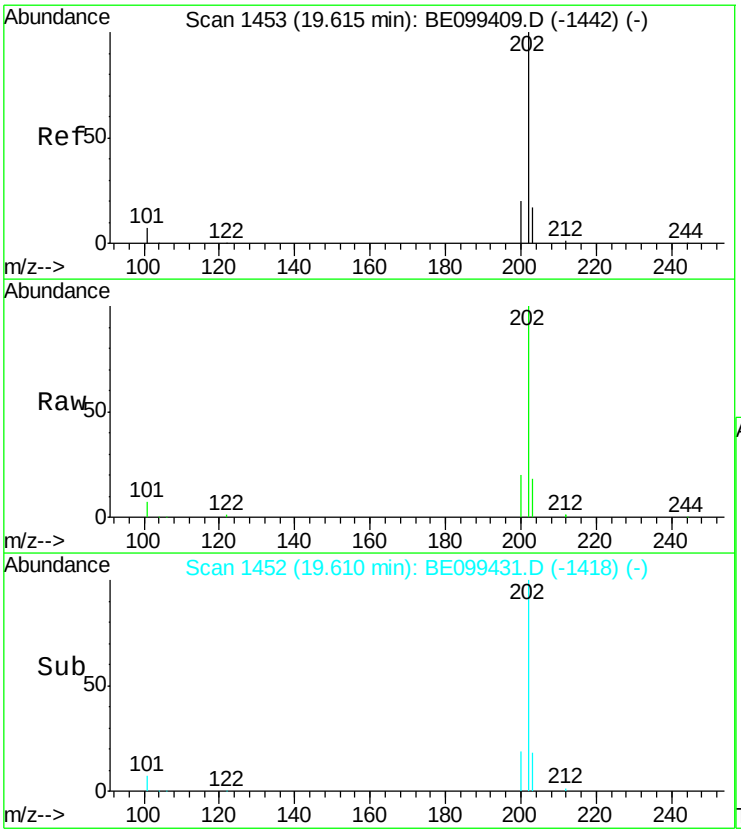
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:240 Resp: 25125

Ion	Ratio	Lower	Upper
240	100		
120	3.5	4.0	6.0#
236	27.2	22.0	33.0

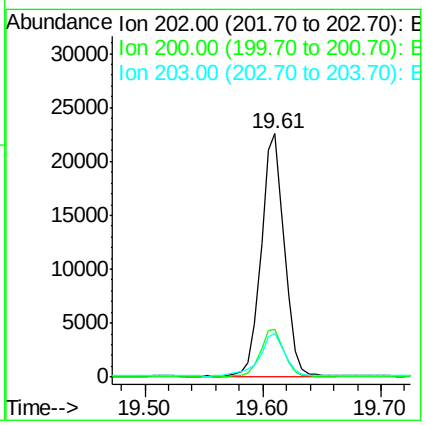


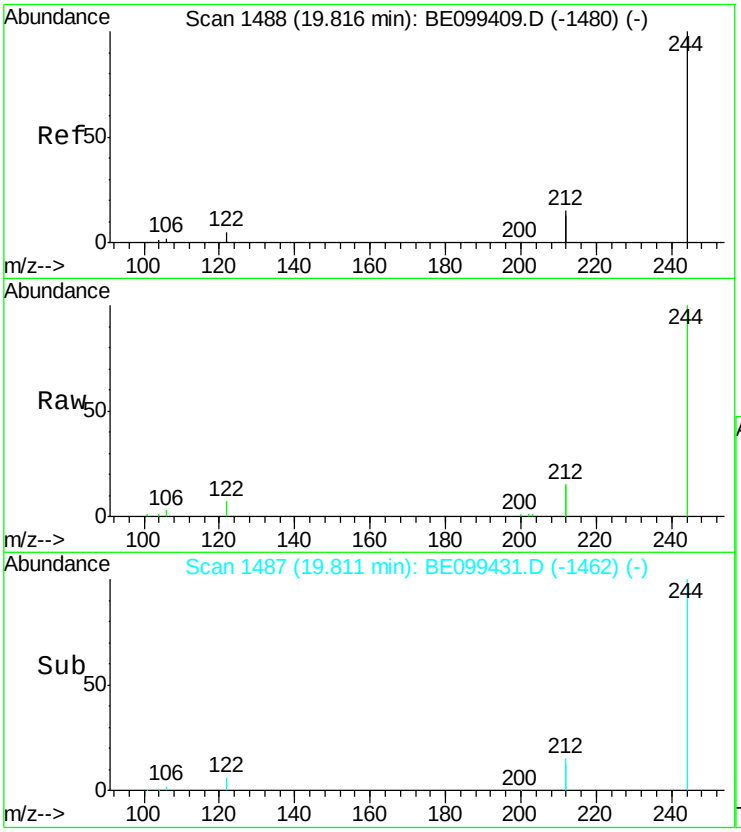


#28
Pyrene
Concen: 0.469 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:202 Resp: 30736

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	19.5	13.9	20.9



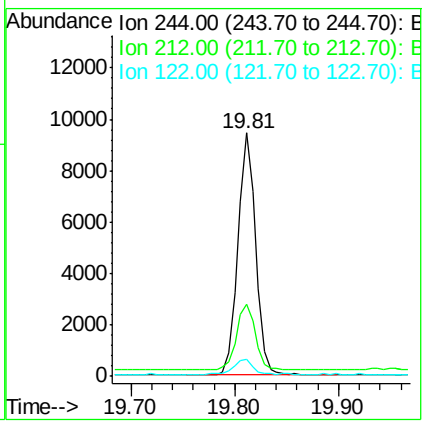


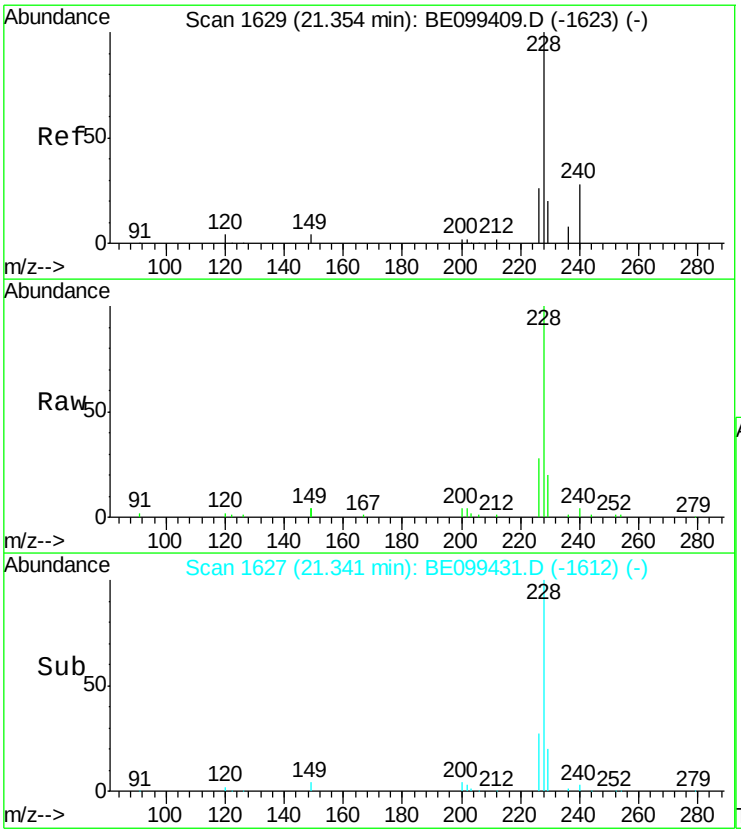
#29
Terphenyl-d14
Concen: 0.243 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:244 Resp: 11170

Ion	Ratio	Lower	Upper
244	100		
212	29.8	23.2	34.8
122	7.3	4.2	6.4#

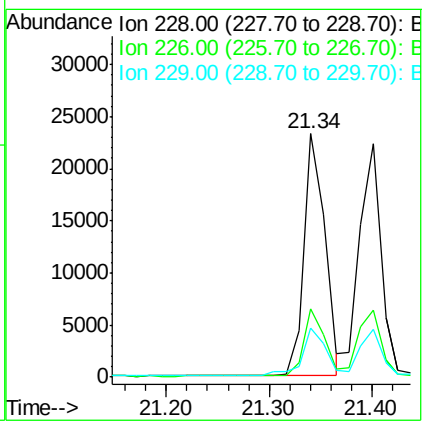


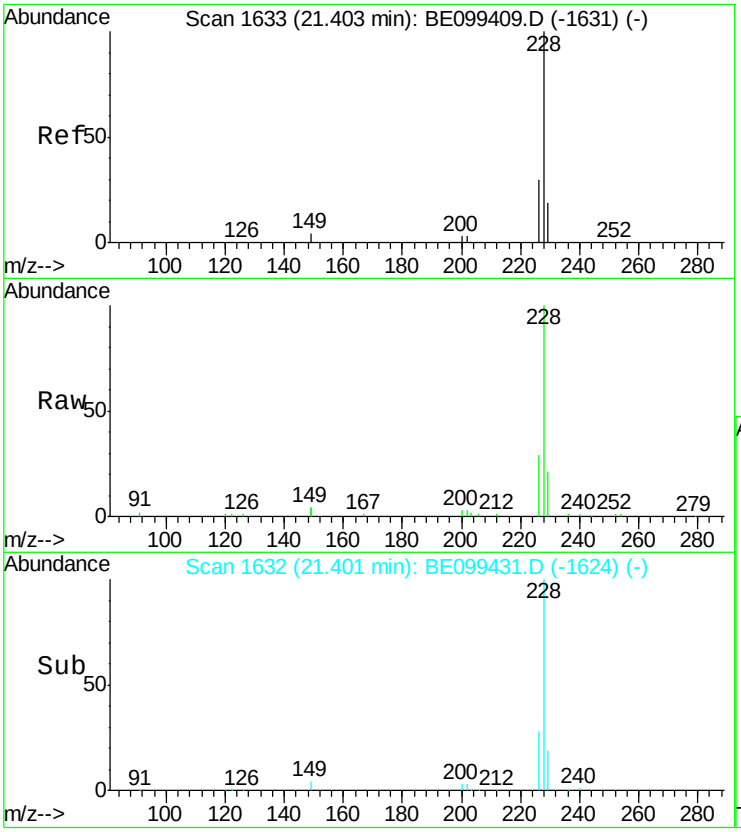


#30
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:228 Resp: 33081

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.0	31.6
229	20.1	16.6	25.0



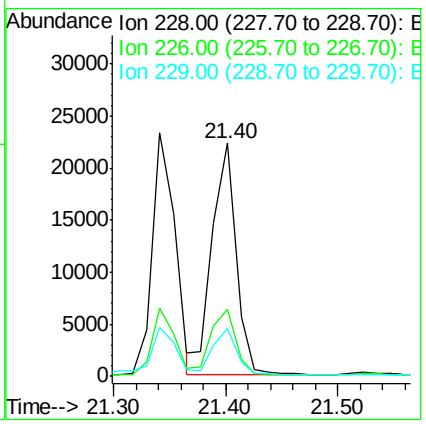


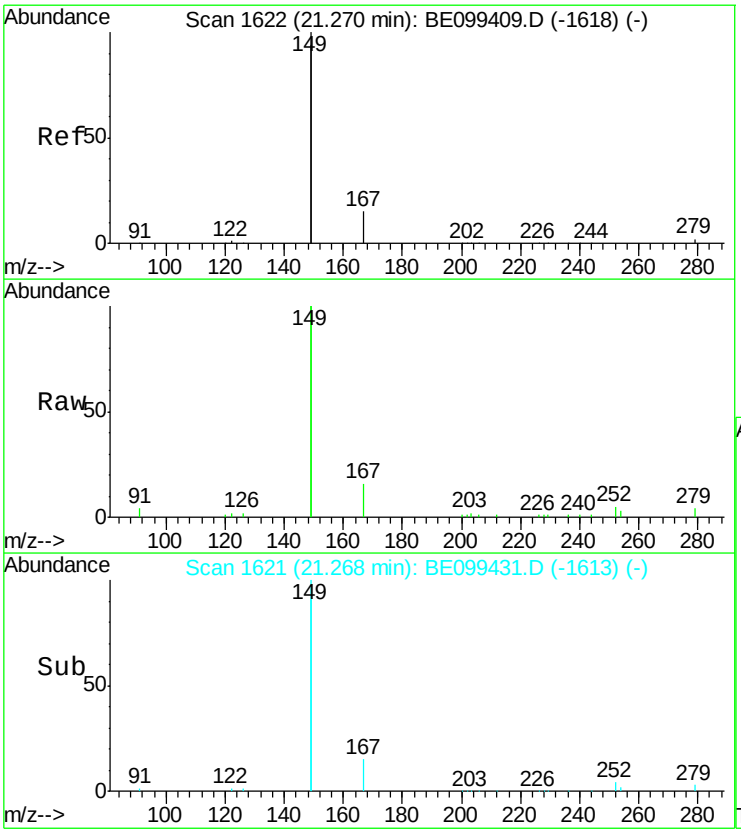
#31
Chrysene
Concen: 0.419 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:228 Resp: 32823

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.0	36.0
229	20.6	15.8	23.8

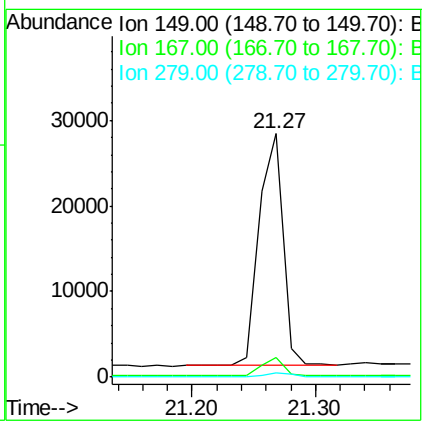


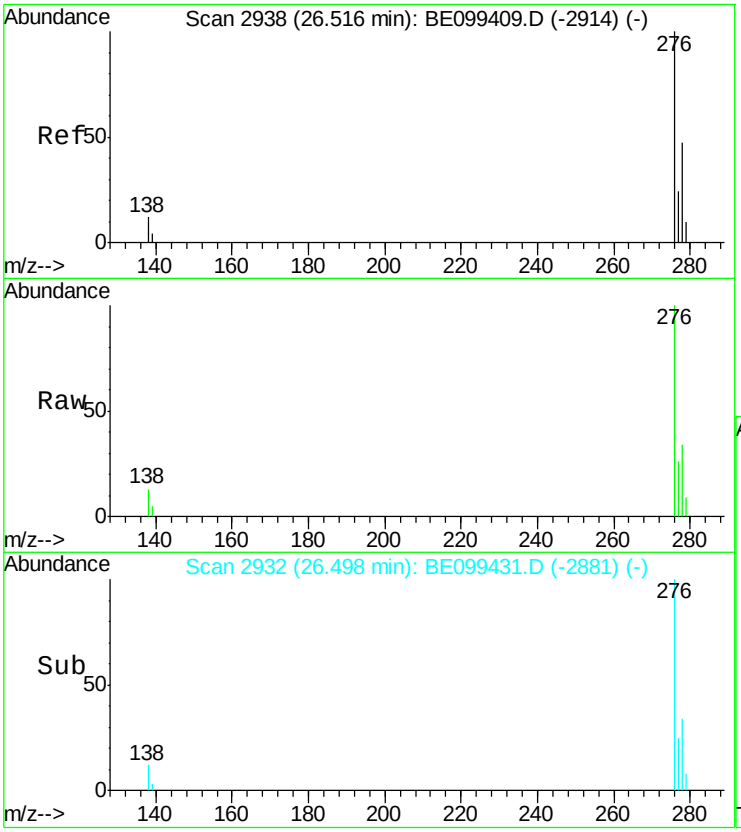


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.257 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:149 Resp: 37122

Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.8	8.6
279	1.6	1.0	1.6#



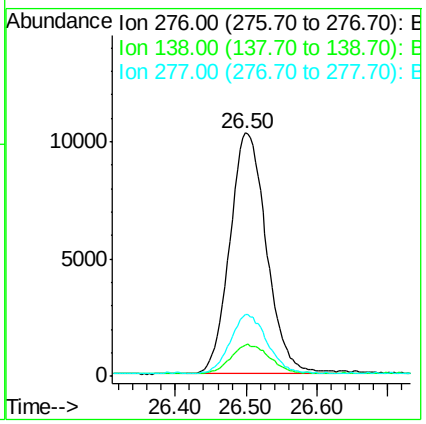


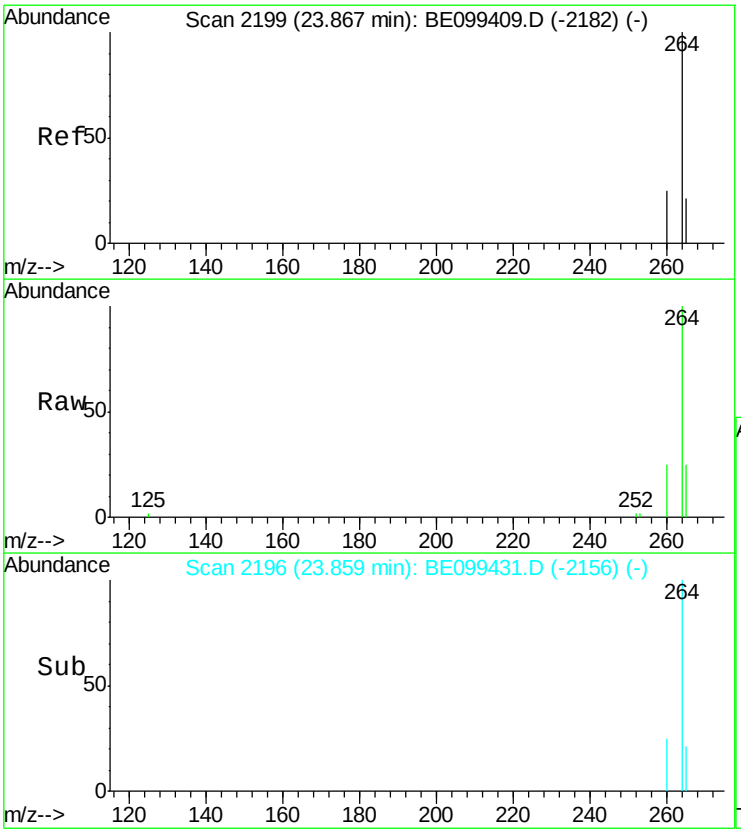
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 26.50 min Scan# 2932
Delta R.T. -0.02 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:276 Resp: 37208

Ion	Ratio	Lower	Upper
276	100		
138	12.7	10.2	15.2
277	24.3	19.2	28.8

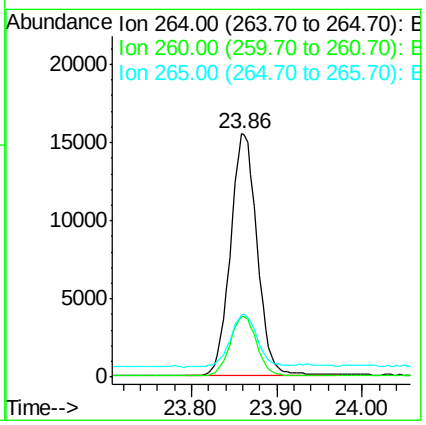


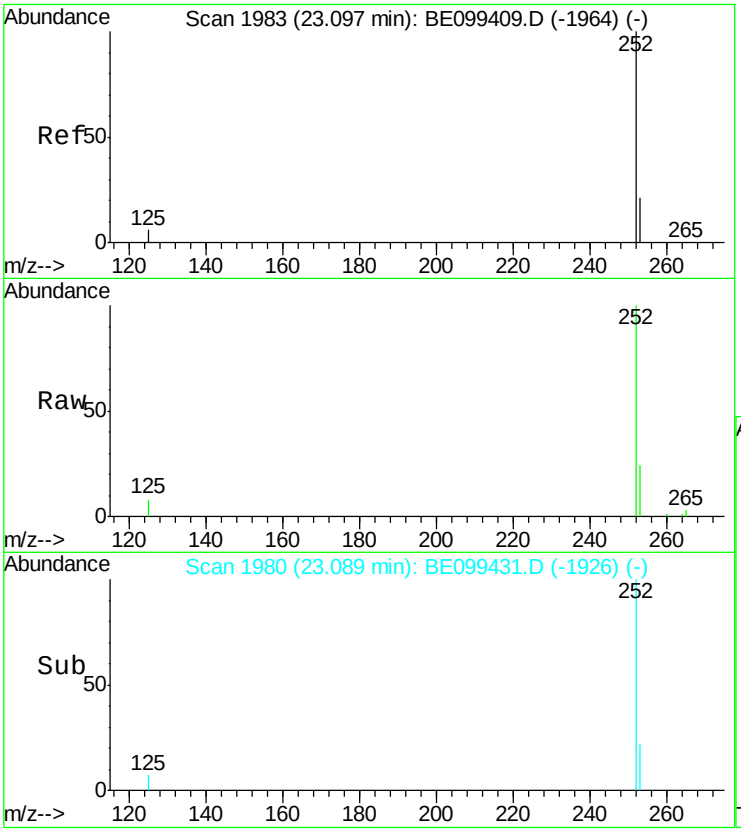


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:264 Resp: 33626

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	25.4	21.3	31.9



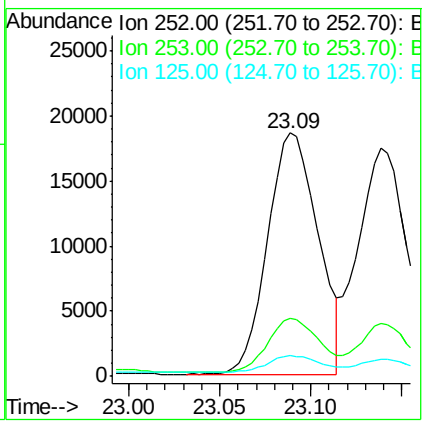


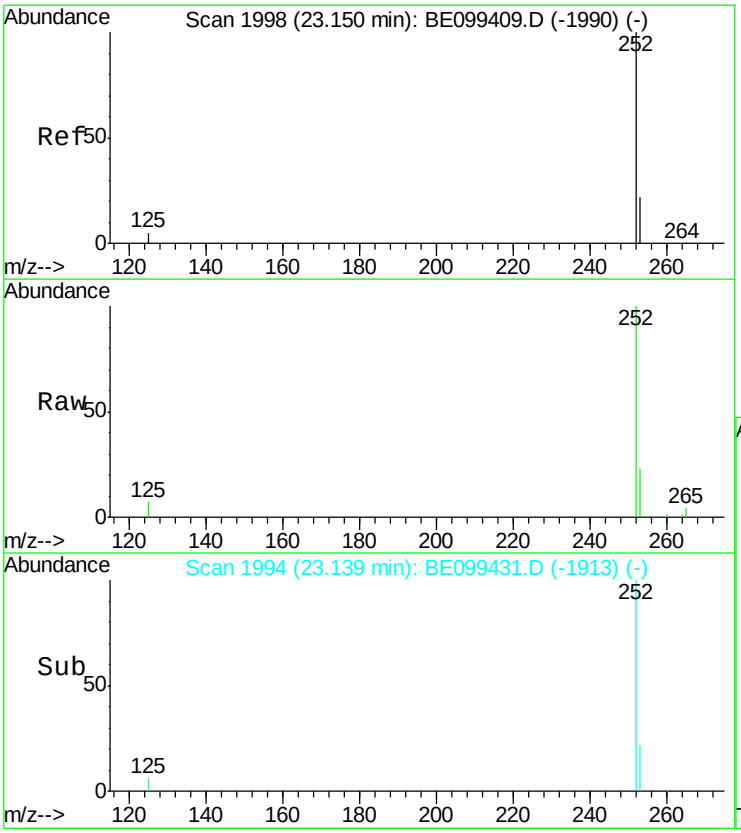
#35
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 23.09 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:252 Resp: 35586

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	8.4	5.6	8.4

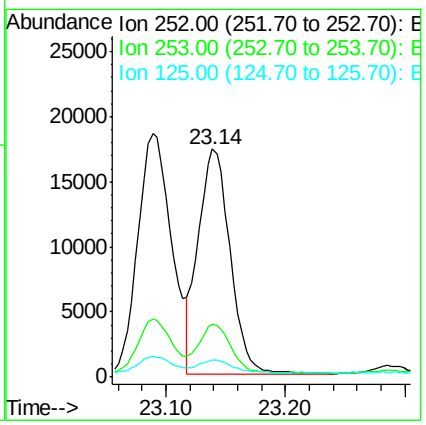


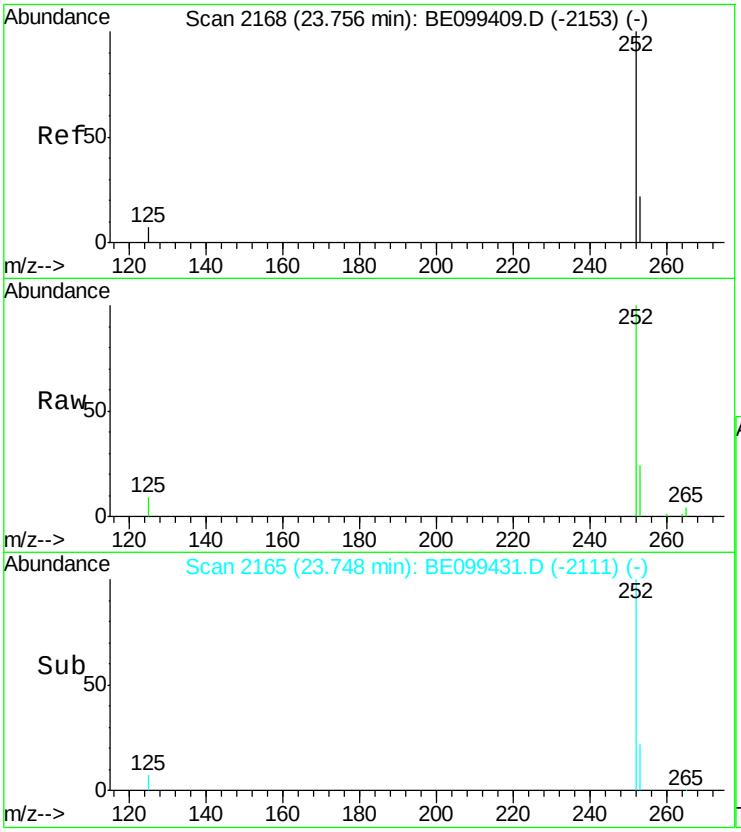


#36
Benzo(k)fluoranthene
Concen: 0.344 ng
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:252 Resp: 32155

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	7.3	5.0	7.4



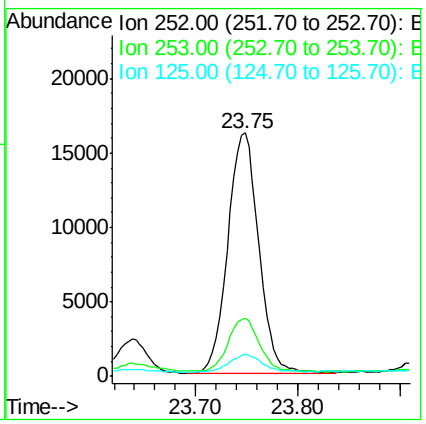


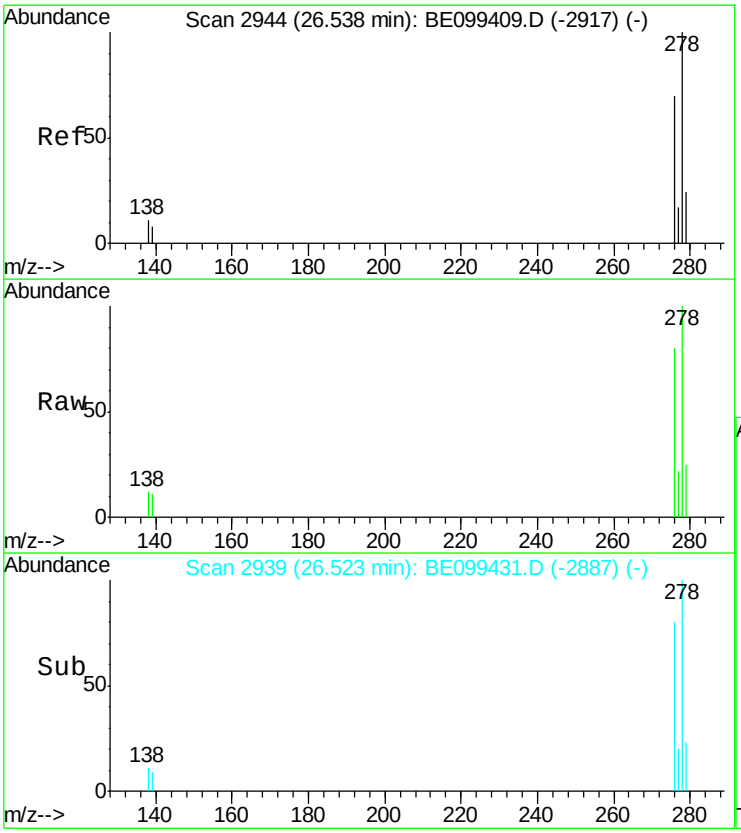
#37
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:252 Resp: 34131

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	9.1	6.7	10.1

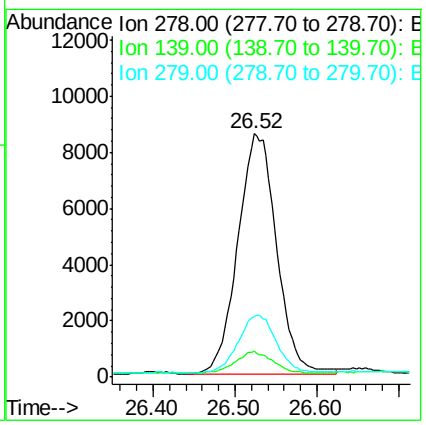


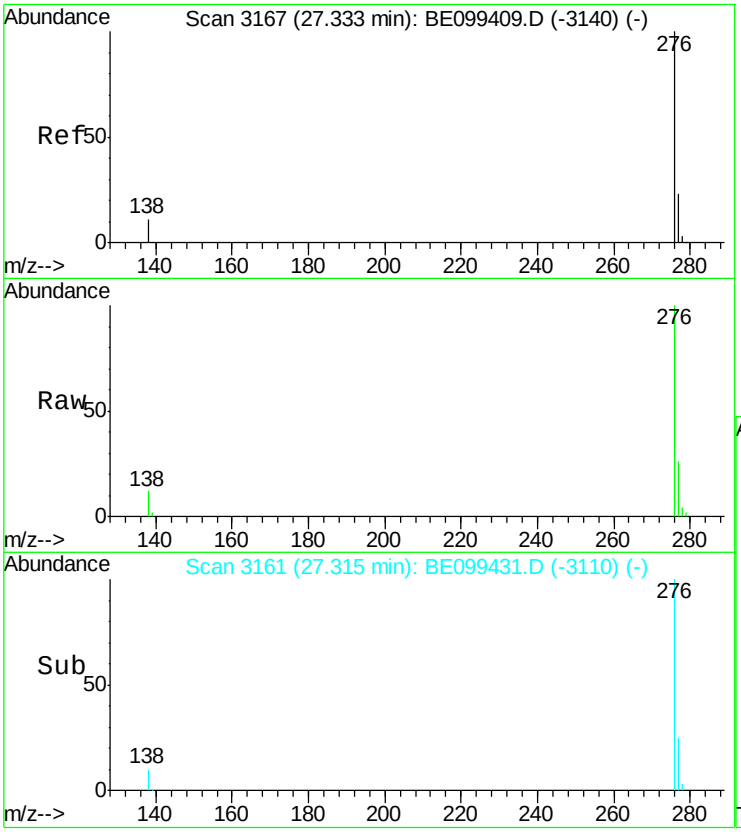


#38
Dibenzo(a,h)anthracene
Concen: 0.301 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:278 Resp: 28227

Ion	Ratio	Lower	Upper
278	100		
139	10.5	7.7	11.5
279	24.7	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.343 ng
RT: 27.32 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

Tgt Ion:276 Resp: 32268

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.5	29.3
138	11.7	9.6	14.4