Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099463.D
Acq On : 1 May 2019 14:43
Operator : JU/SJ
Sample : K2589-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 02 04:13:49 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	7.81	152	1763	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	6440	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	4947	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	16812	0.40	ng		0.00
27) Chrysene-d12	21.37	240	22357	0.40	ng		0.00
34) Perylene-d12	23.86	264	25995	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1298	0.27	ng		0.00
5) Phenol-d6	6.97	99	1780	0.27	ng		0.00
8) Nitrobenzene-d5	8.97	82	1488	0.25	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	3468	0.30	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	939	0.30	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	4229	0.22	ng		-0.01
25) Fluoranthene-d10	19.22	212	56128	0.25	ng		0.00
29) Terphenyl-d14	19.81	244	11783	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	466	0.192	ng	#	56
3) n-Nitrosodimethylamine	3.64	42	356	0.244	ng	#	86
6) bis(2-Chloroethyl)ether	7.23	93	1321	0.236	ng		94
9) Naphthalene	10.65	128	18916	0.270	ng		100
10) Hexachlorobutadiene	10.93	225	1217	0.249	ng		99
12) 2-Methylnaphthalene	12.27	142	3351	0.275	ng		93
16) Acenaphthylene	14.17	152	6390	0.264	ng		97
17) Acenaphthene	14.51	154	3711	0.268	ng		98
18) Fluorene	15.49	166	5984	0.293	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	2334	0.238	ng	#	92
21) Hexachlorobenzene	16.49	284	2443	0.262	ng		98
22) Pentachlorophenol	16.84	266	2181	0.604	ng		97
23) Phenanthrene	17.23	178	13973	0.322	ng		98
24) Anthracene	17.32	178	11719	0.283	ng		99
26) Fluoranthene	19.25	202	20379	0.314	ng		99
28) Pyrene	19.61	202	21360	0.367	ng		99
30) Benzo(a)anthracene	21.34	228	23350	0.328	ng		98
31) Chrysene	21.40	228	22865	0.328	ng		98
32) Bis(2-ethylhexyl)phthalate	21.26	149	42732	0.354	ng		100
33) Indeno(1,2,3-cd)pyrene	26.51	276	25285	0.307	ng		99
35) Benzo(b)fluoranthene	23.09	252	22039	0.294	ng	#	94
36) Benzo(k)fluoranthene	23.14	252	21392	0.296	ng	#	95
37) Benzo(a)pyrene	23.75	252	21048	0.297	ng	#	96
38) Dibenzo(a,h)anthracene	26.53	278	21027	0.290	ng		99
39) Benzo(g,h,i)perylene	27.32	276	21619	0.298	ng		99

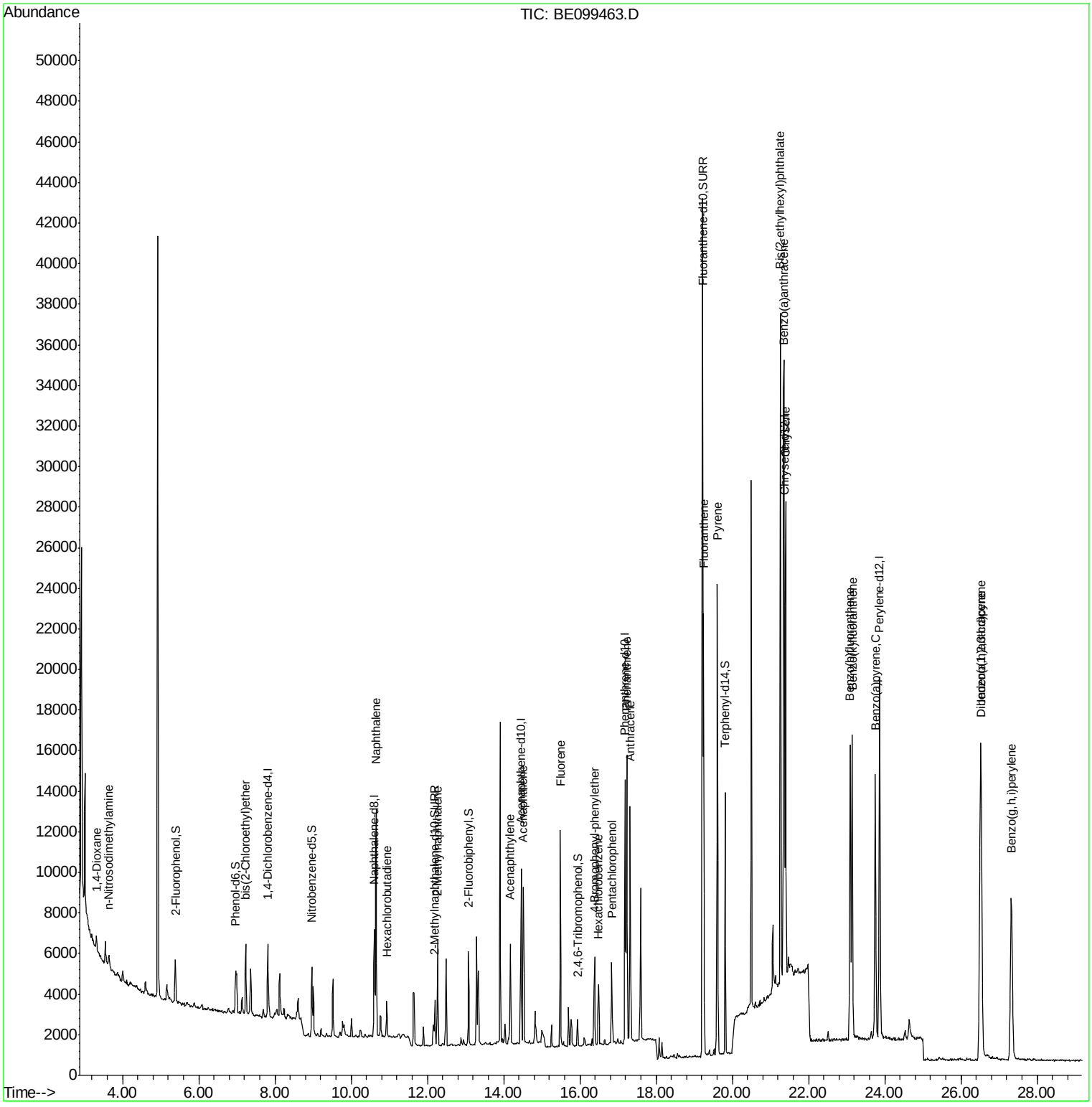
(#) = qualifier out of range (m) = manual integration (+) = signals summed

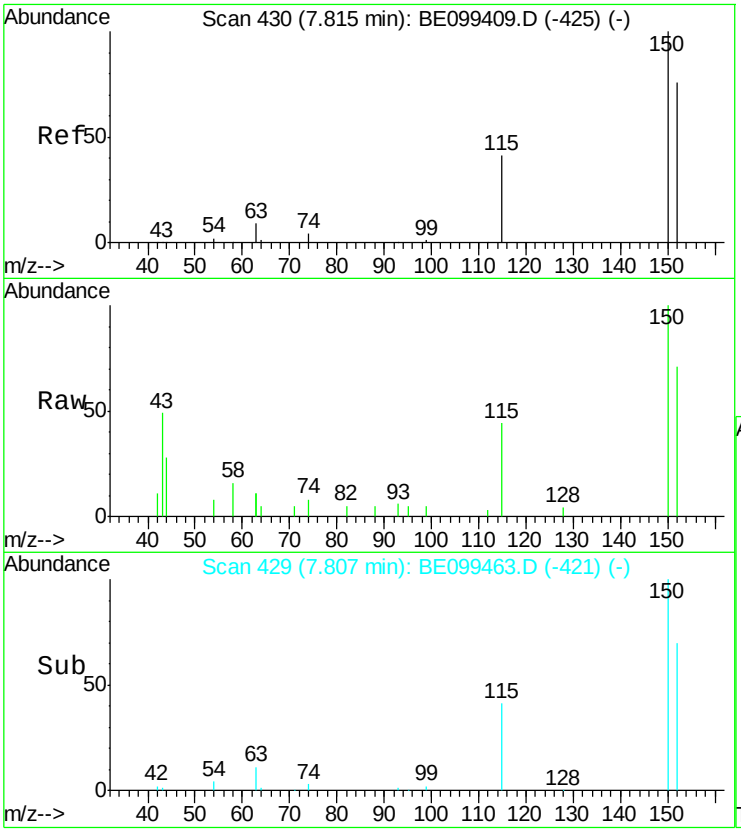
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099463.D
Acq On : 1 May 2019 14:43
Operator : JU/SJ
Sample : K2589-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 02 04:13:49 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



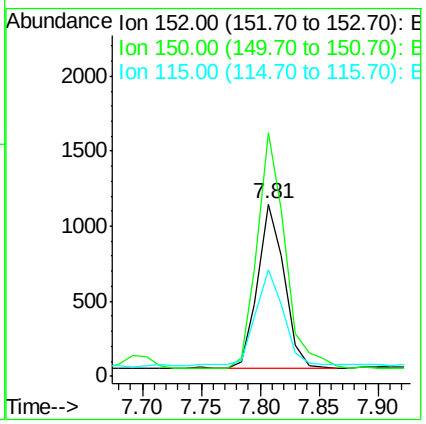


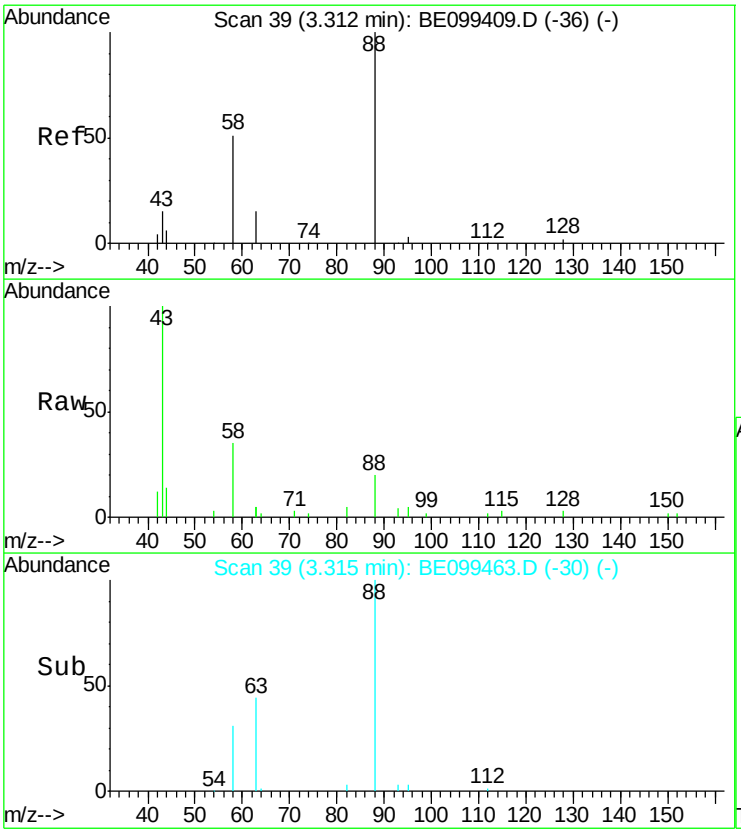
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:152 Resp: 1763

Ion	Ratio	Lower	Upper
152	100		
150	141.4	104.8	157.2
115	62.2	46.6	69.8

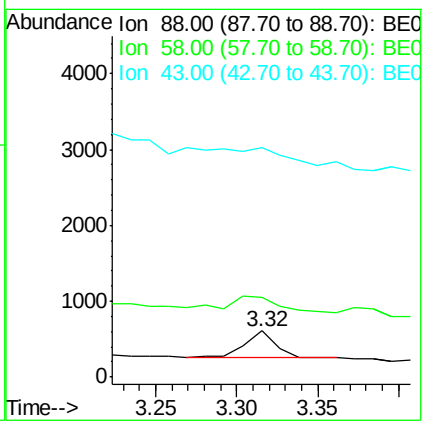


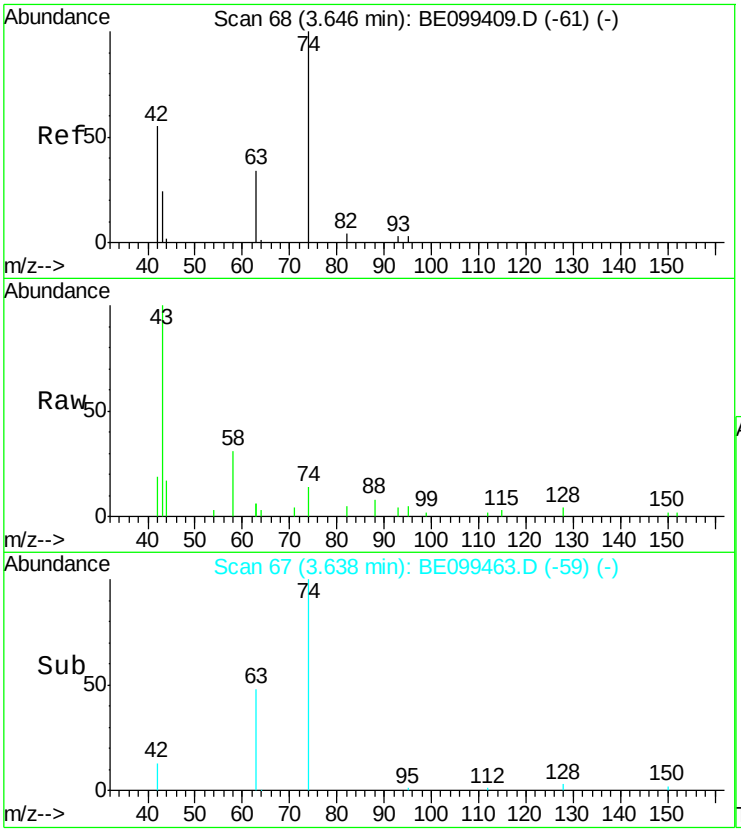


#2
1,4-Dioxane
Concen: 0.192 ng
RT: 3.32 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion: 88 Resp: 466

Ion	Ratio	Lower	Upper
88	100		
58	96.6	51.0	76.6#
43	0.0	20.6	30.8#



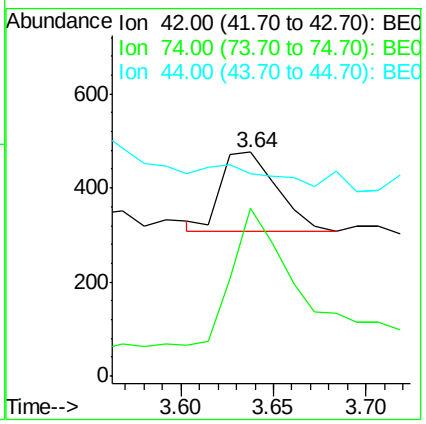


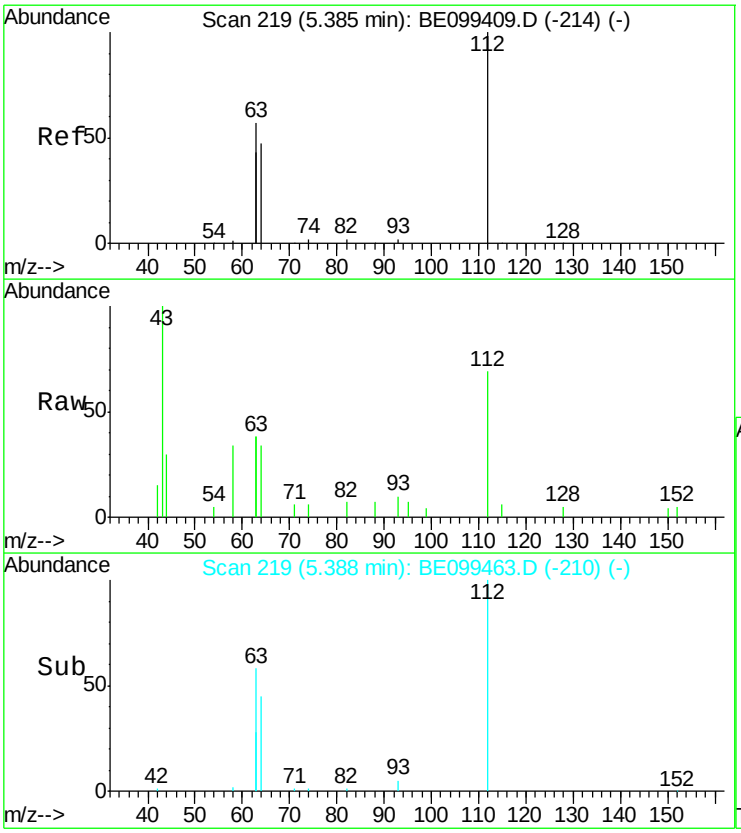
#3
n-Nitrosodimethylamine
Concen: 0.244 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion: 42 Resp: 356

Ion	Ratio	Lower	Upper
42	100		
74	196.9	141.6	212.4
44	0.0	0.0	0.0

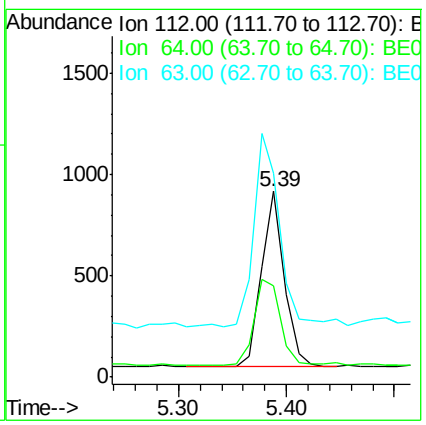


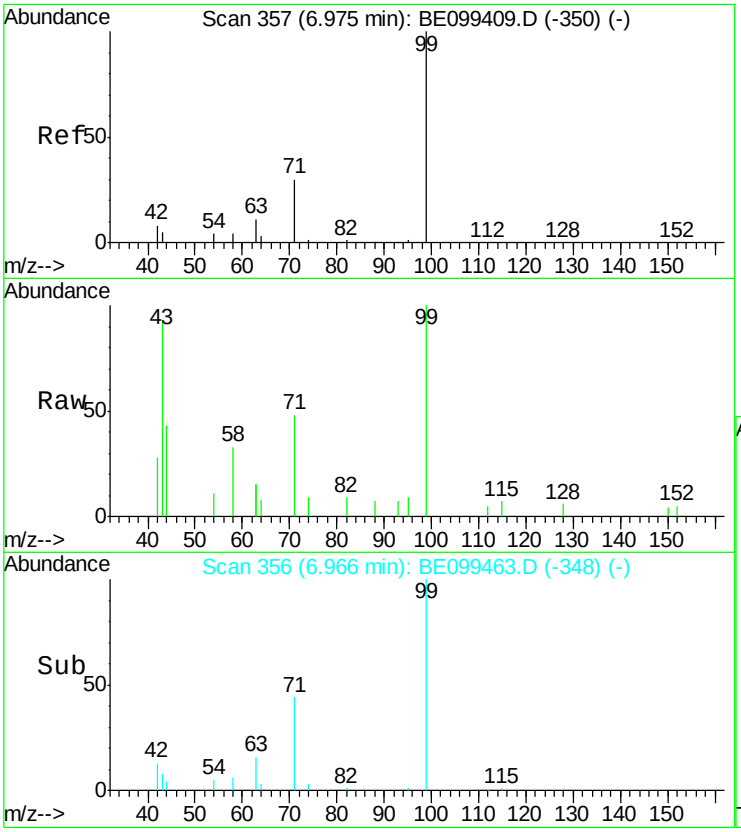


#4
2-Fluorophenol
Concen: 0.266 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:112 Resp: 1298

Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.4	71.0
63	120.5	104.3	156.5



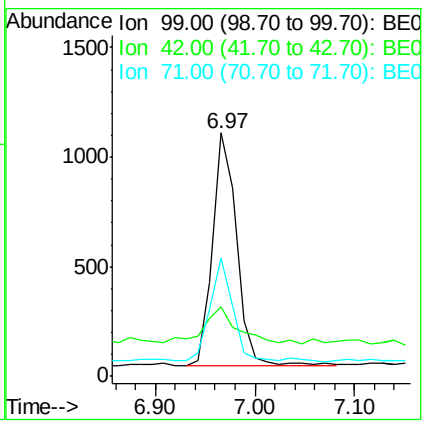


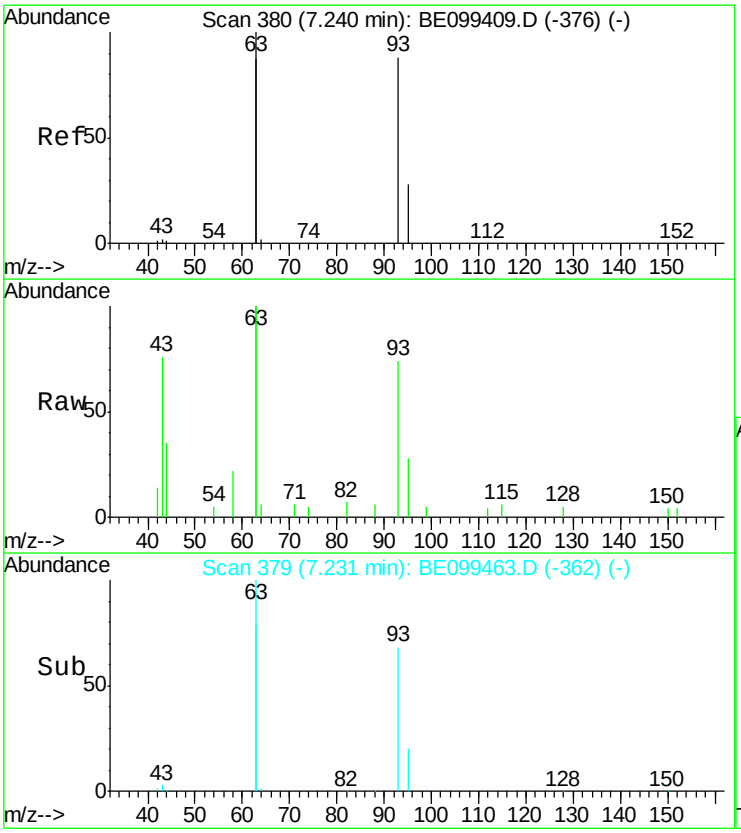
#5
Phenol-d6
Concen: 0.275 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion: 99 Resp: 1780

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.9	22.3
71	40.4	33.0	49.6

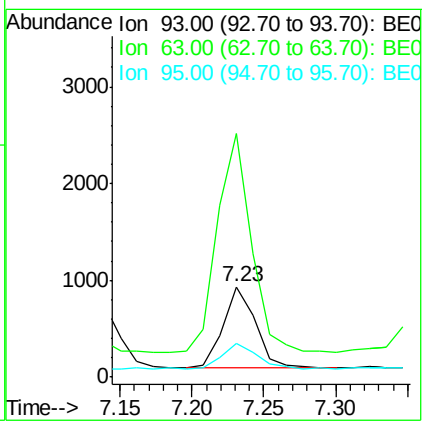


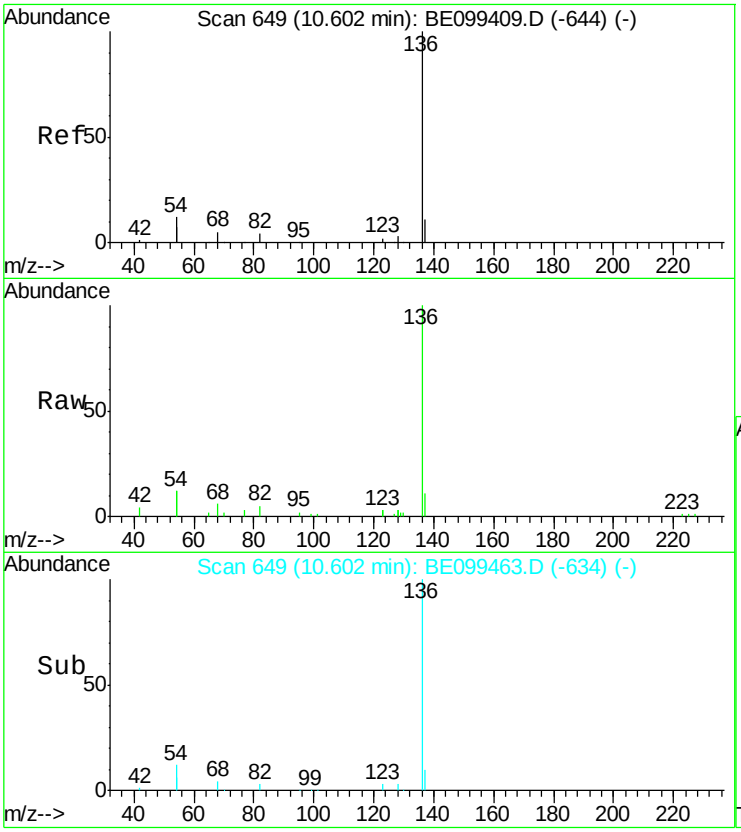


#6
bis(2-Chloroethyl)ether
Concen: 0.236 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion: 93 Resp: 1321

Ion	Ratio	Lower	Upper
93	100		
63	281.6	215.6	323.4
95	34.8	26.2	39.2



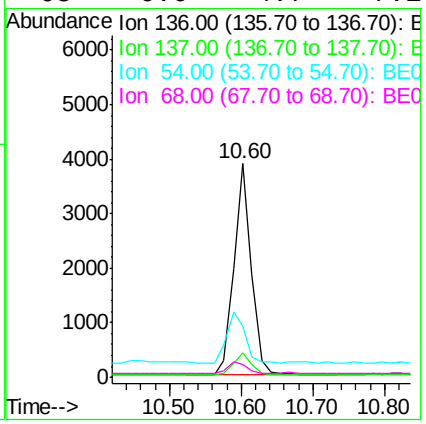


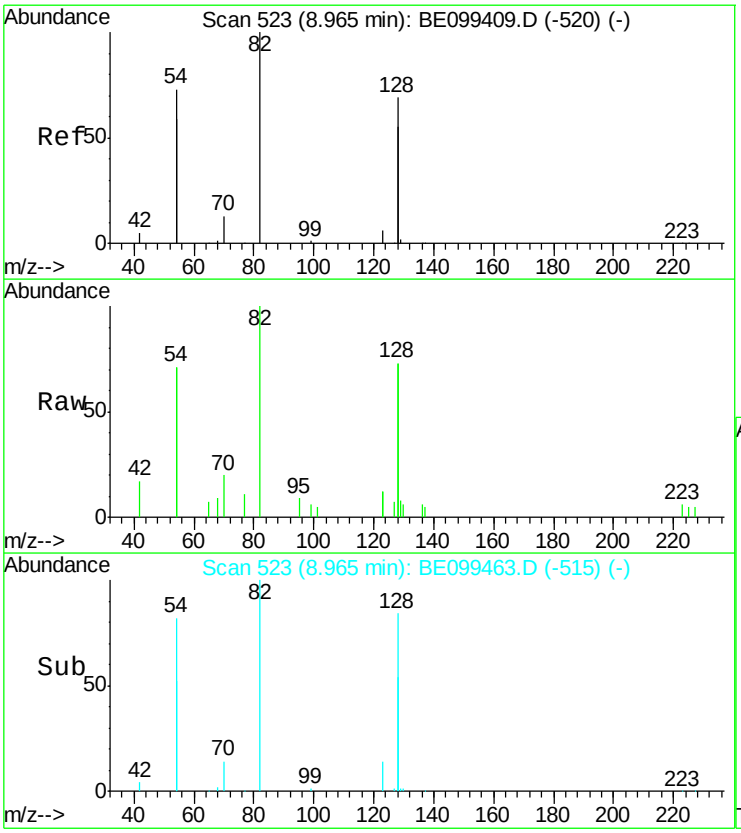
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:136 Resp: 6440

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.8
54	23.9	18.5	27.7
68	6.0	4.7	7.1

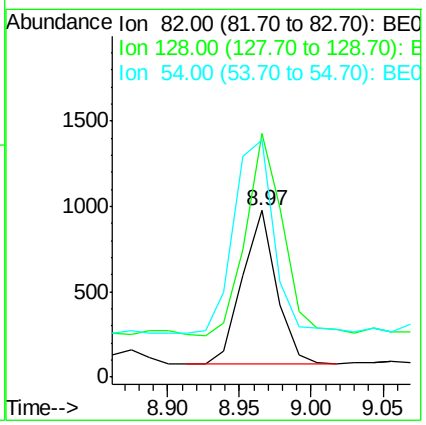


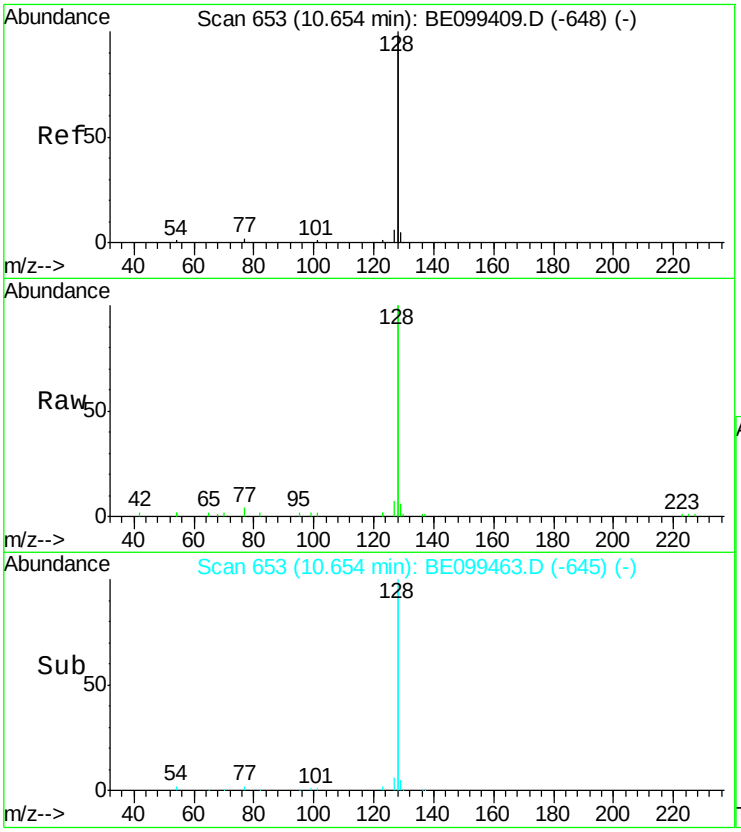


#8
Nitrobenzene-d5
Concen: 0.247 ng
RT: 8.97 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion: 82 Resp: 1488

Ion	Ratio	Lower	Upper
82	100		
128	146.4	107.0	160.4
54	142.7	113.1	169.7



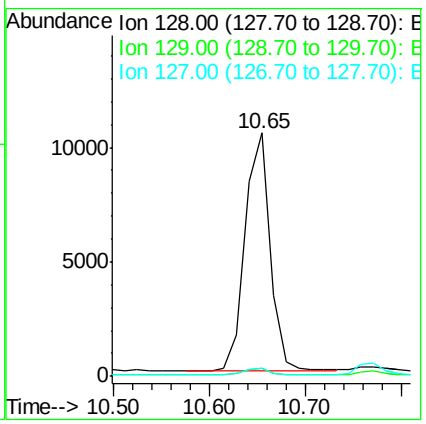


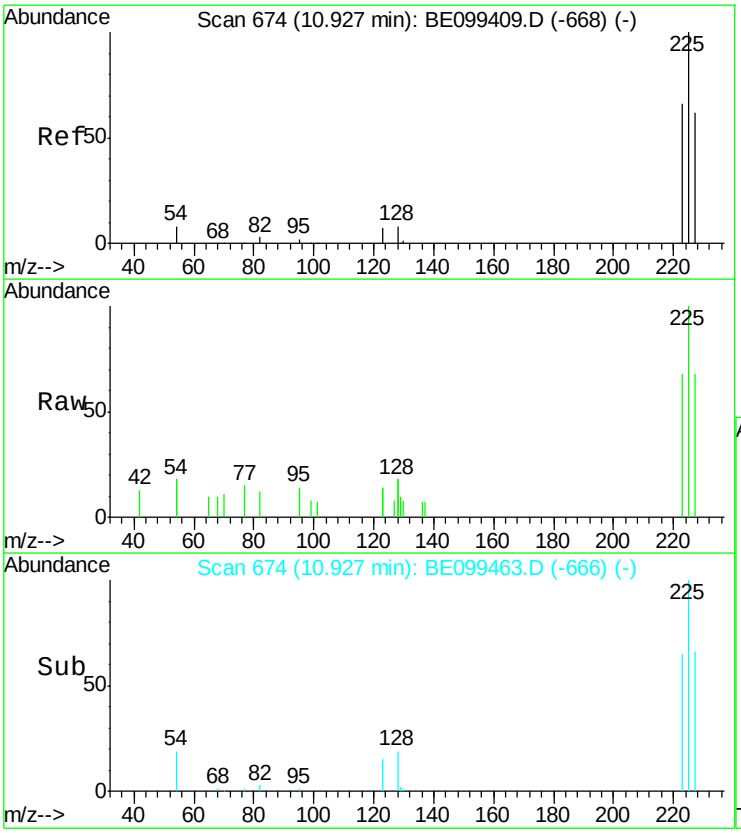
#9
Naphthalene
Concen: 0.270 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:128 Resp: 18916

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.4	3.6
127	3.4	2.8	4.2

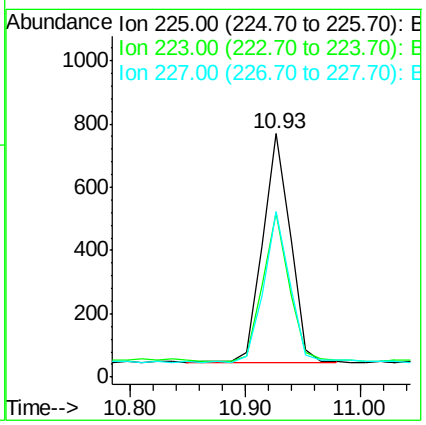


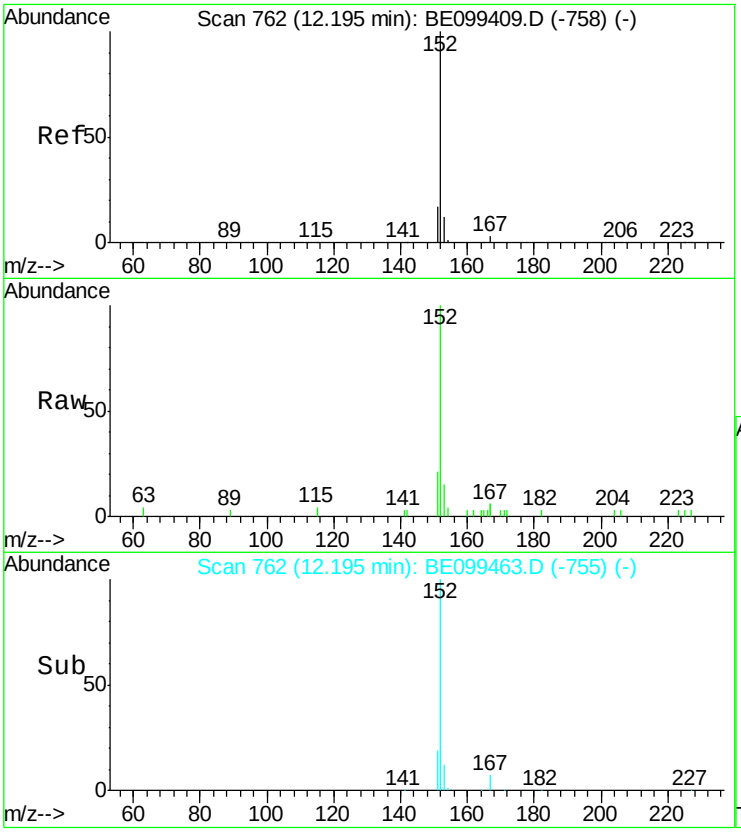


#10
Hexachlorobutadiene
Concen: 0.249 ng
RT: 10.93 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:225 Resp: 1217

Ion	Ratio	Lower	Upper
225	100		
223	61.7	51.0	76.6
227	63.4	50.9	76.3



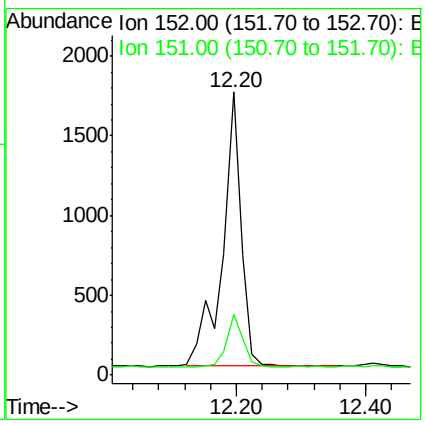


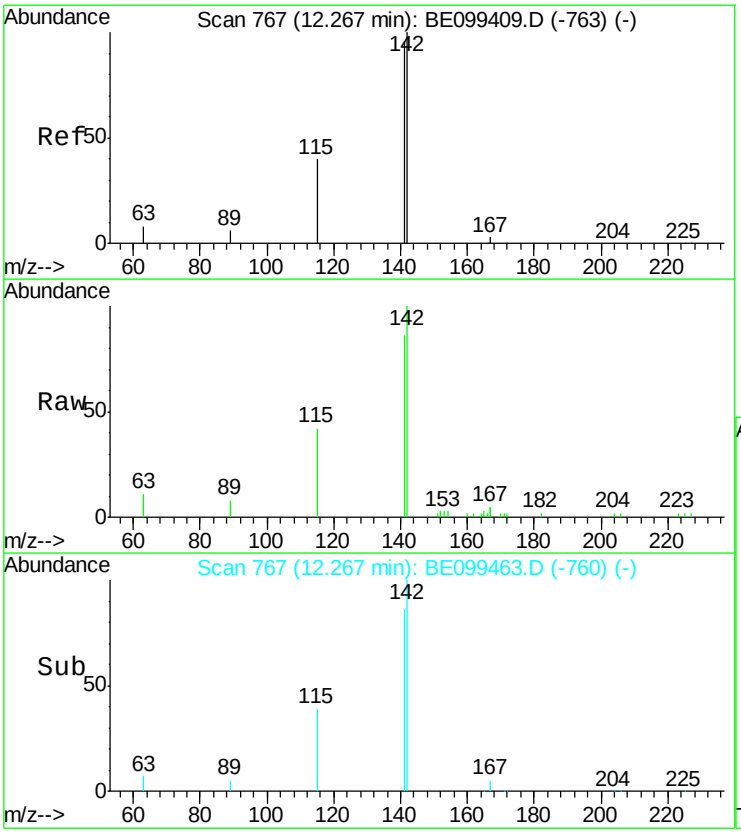
#11
2-Methylnaphthalene-d10
Concen: 0.299 ng
RT: 12.20 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:152 Resp: 3468

Ion	Ratio	Lower	Upper
152	100		
151	16.3	15.5	23.3

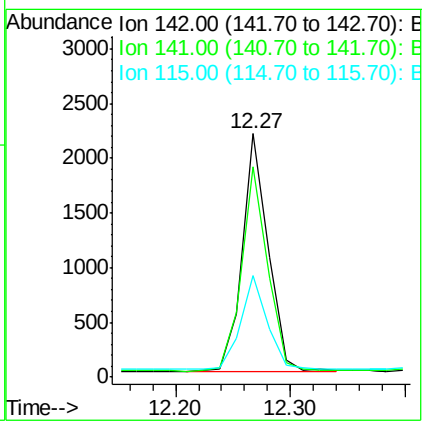


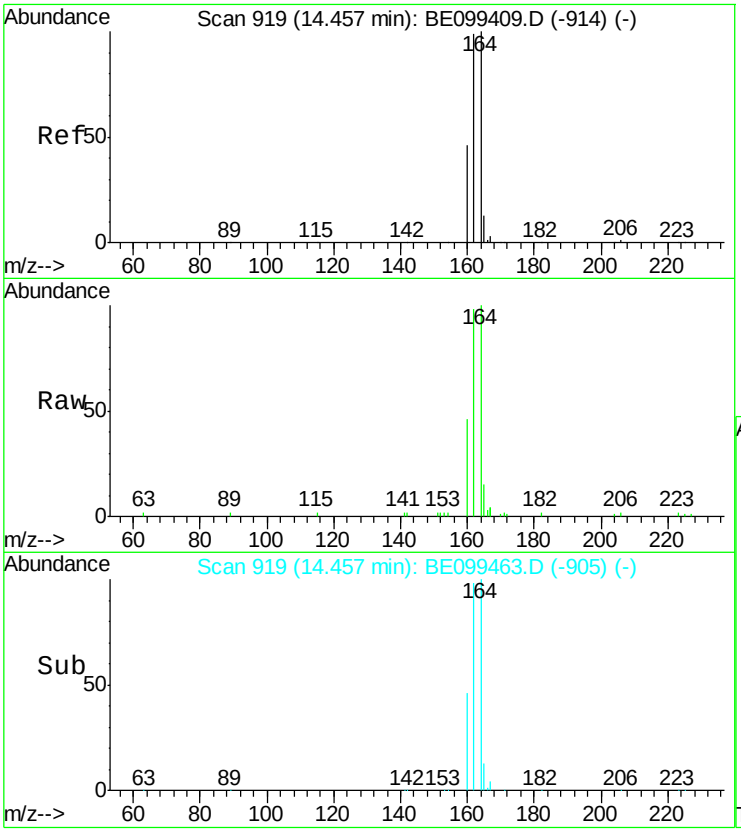


#12
2-Methylnaphthalene
Concen: 0.275 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:142 Resp: 3351

Ion	Ratio	Lower	Upper
142	100		
141	86.2	77.0	115.4
115	41.7	33.4	50.0



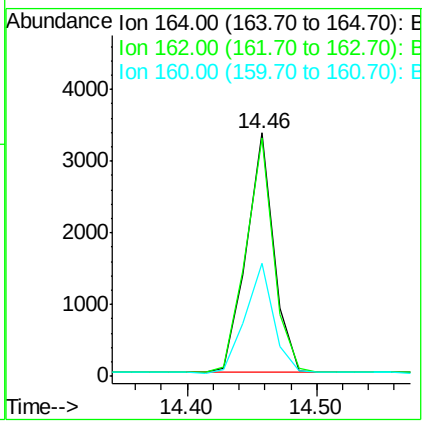


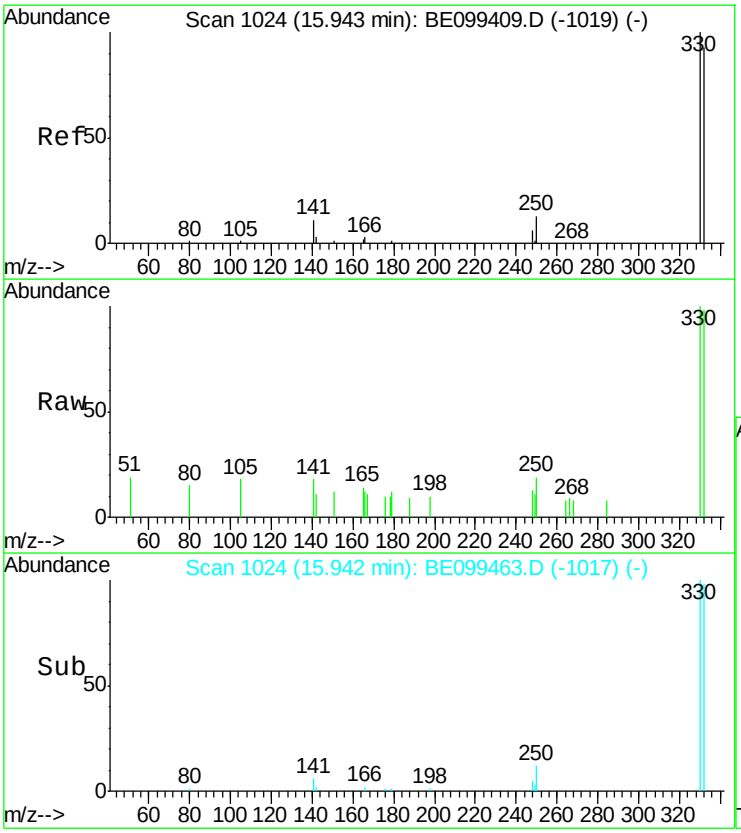
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:164 Resp: 4947

Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.0	118.4
160	46.4	37.0	55.4

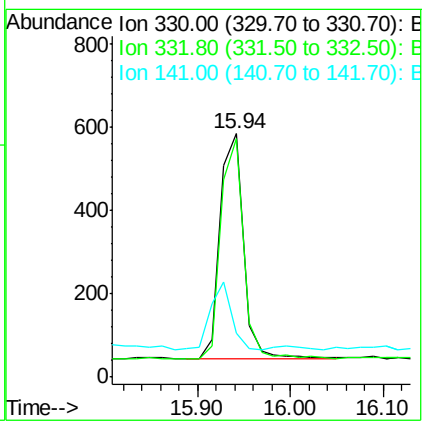


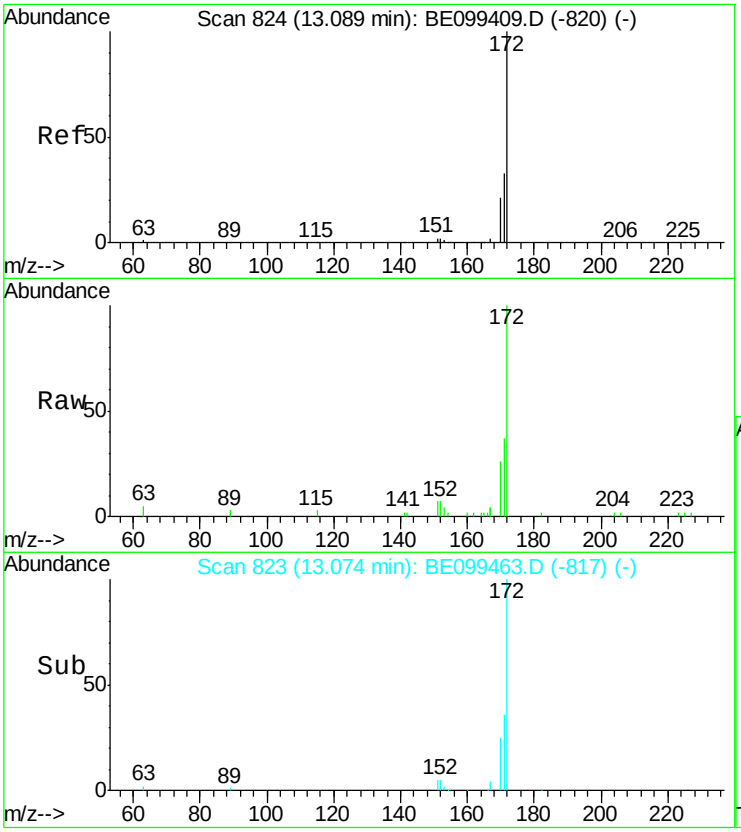


#14
2,4,6-Tribromophenol
Concen: 0.301 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:330 Resp: 939

Ion	Ratio	Lower	Upper
330	100		
332	94.4	71.5	107.3
141	28.0	24.0	36.0



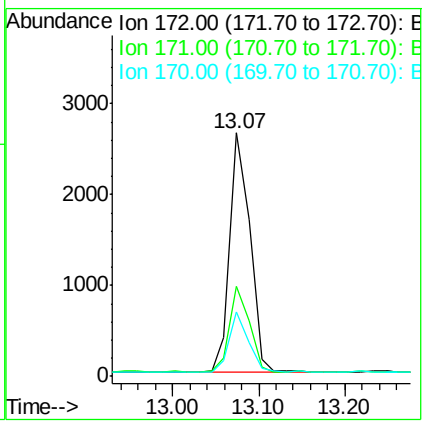


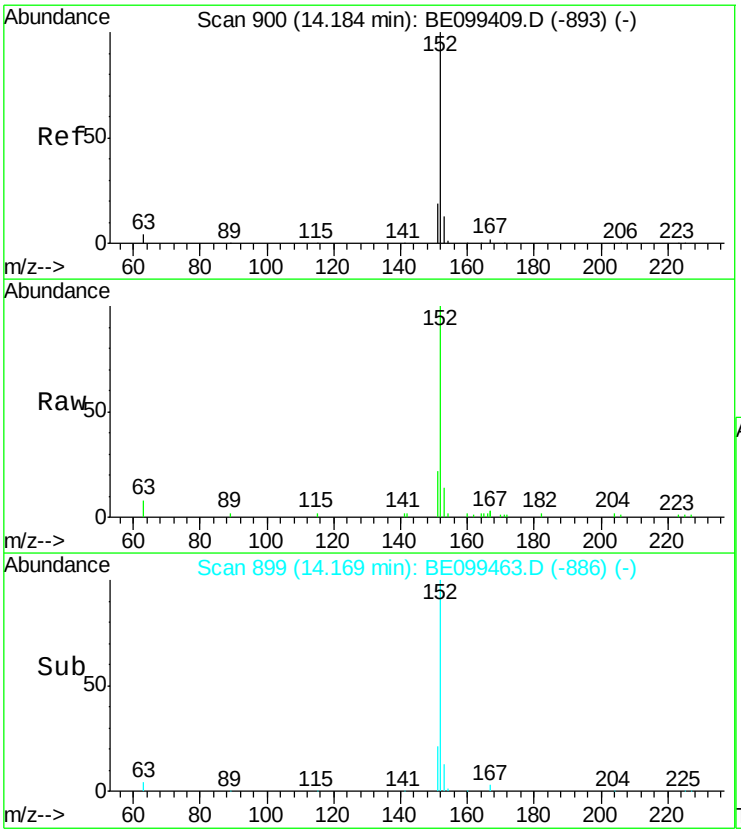
#15
2-Fluorobiphenyl
Concen: 0.224 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:172 Resp: 4229

Ion	Ratio	Lower	Upper
172	100		
171	36.8	26.6	39.8
170	26.4	17.0	25.6#

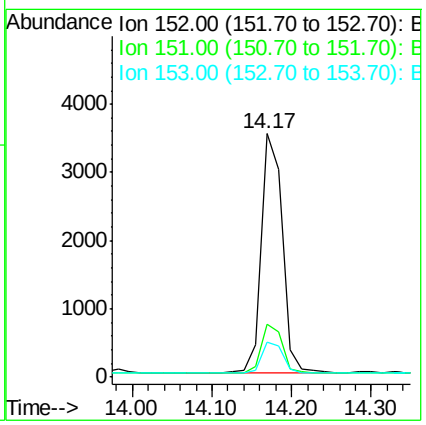


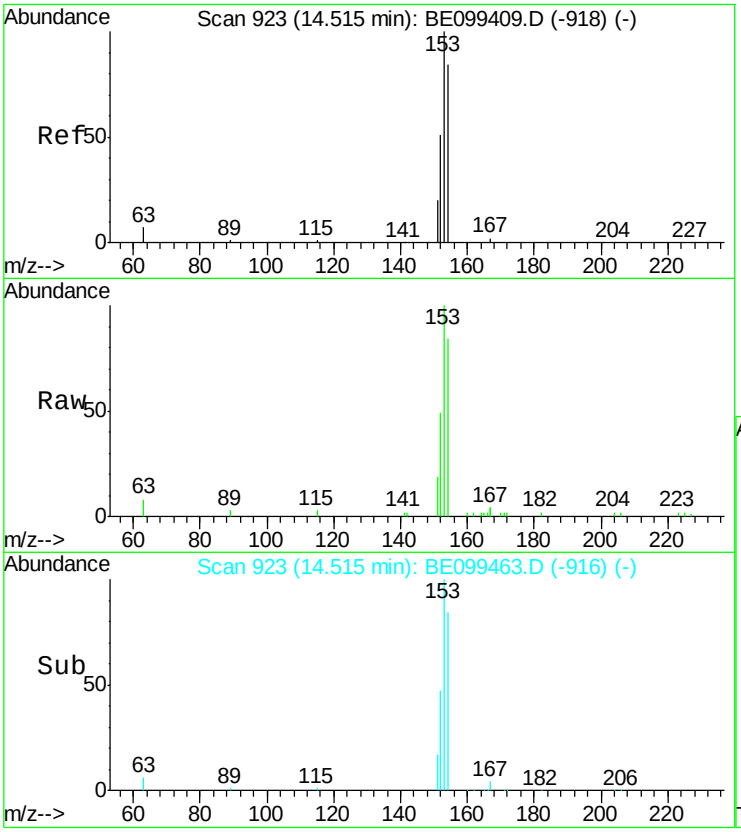


#16
Acenaphthylene
Concen: 0.264 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:152 Resp: 6390

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.4	23.2
153	13.7	9.8	14.6



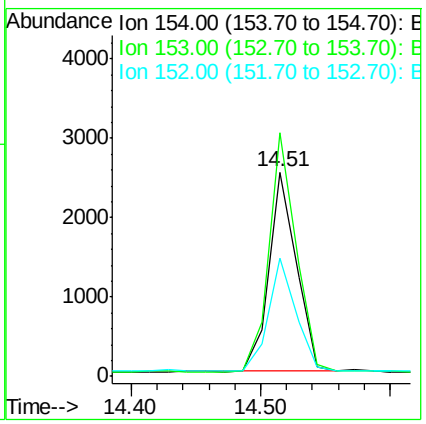


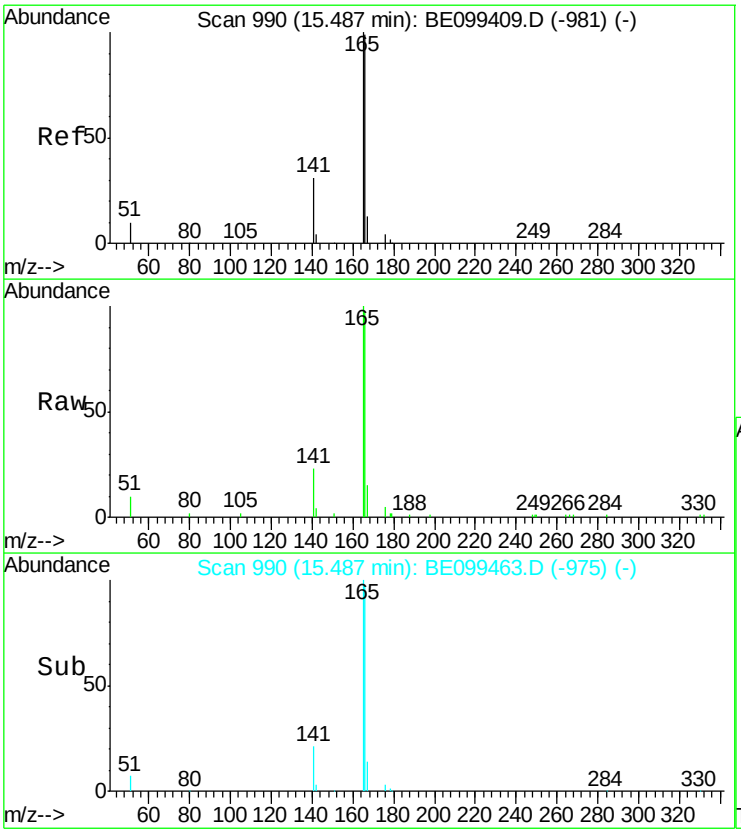
#17
Acenaphthene
Concen: 0.268 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:154 Resp: 3711

Ion	Ratio	Lower	Upper
154	100		
153	118.2	92.6	138.8
152	57.9	45.8	68.8

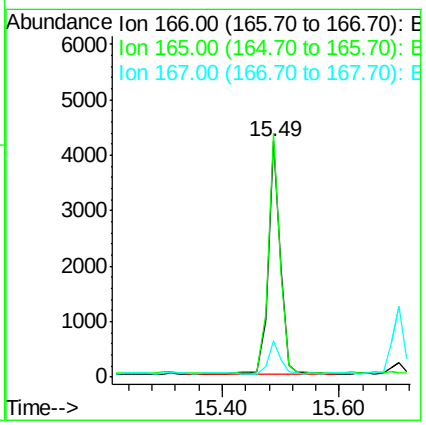


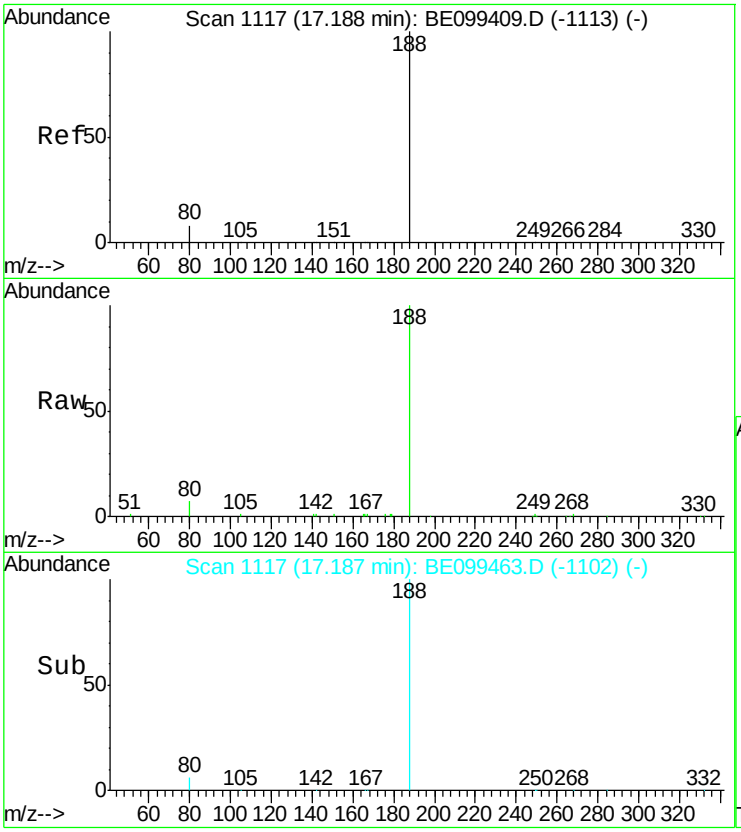


#18
Fluorene
Concen: 0.293 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:166 Resp: 5984

Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.3	120.5
167	13.8	10.7	16.1



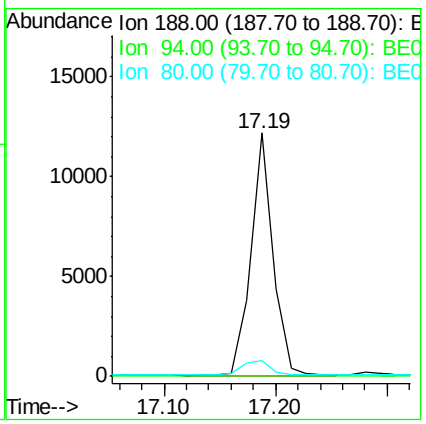


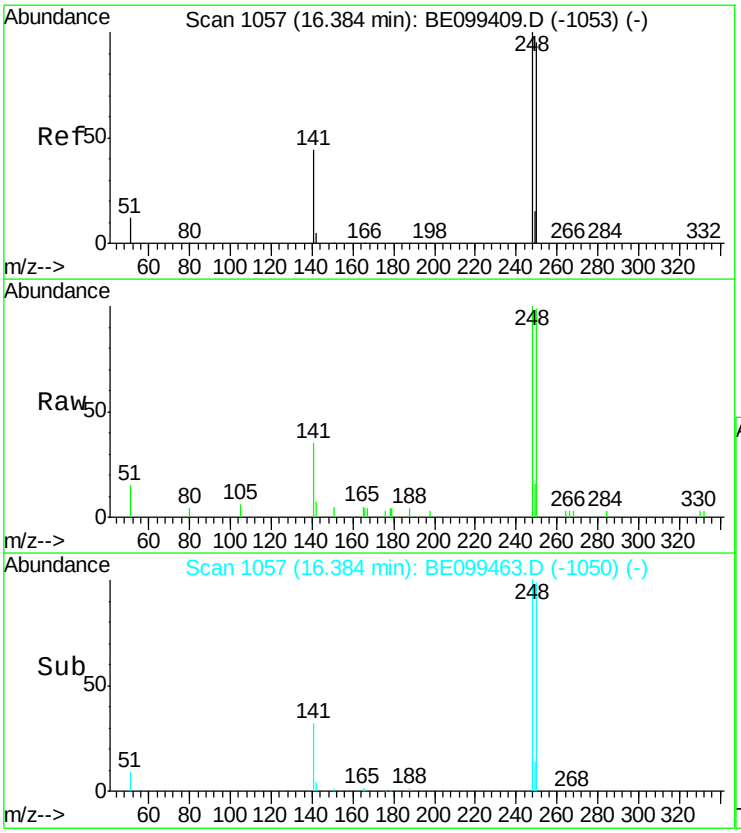
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:188 Resp: 16812

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	6.7	10.1#

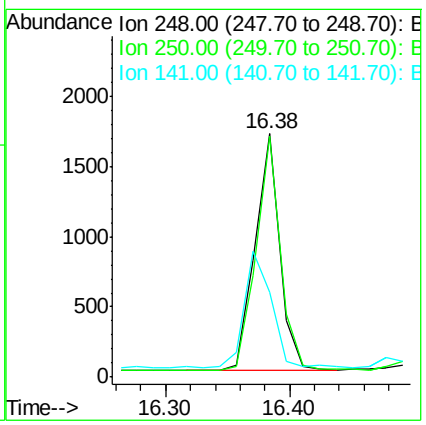


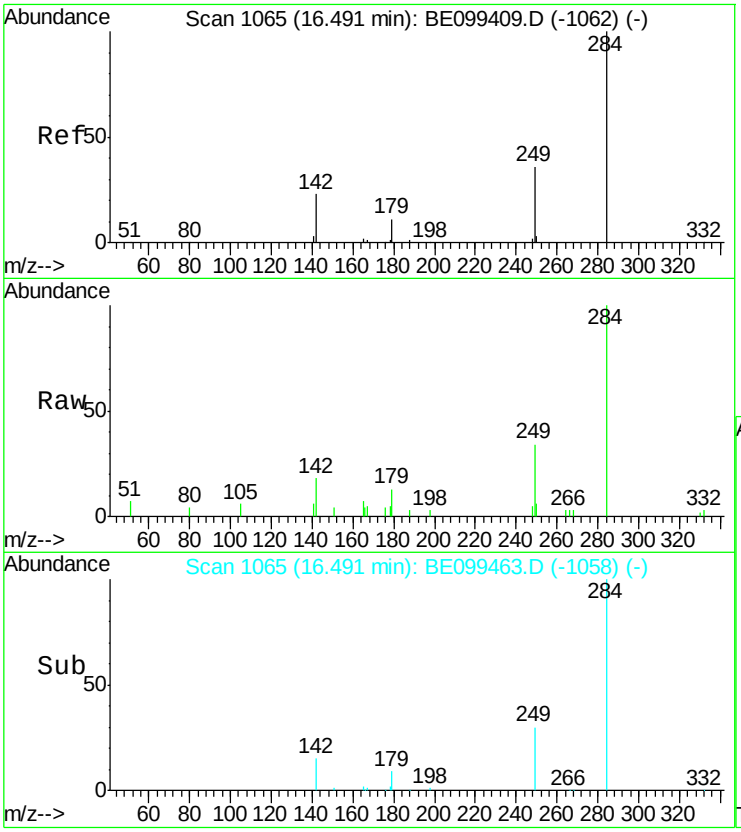


#20
4-Bromophenyl-phenylether
Concen: 0.238 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:248 Resp: 2334

Ion	Ratio	Lower	Upper
248	100		
250	98.8	75.8	113.8
141	34.7	35.7	53.5#



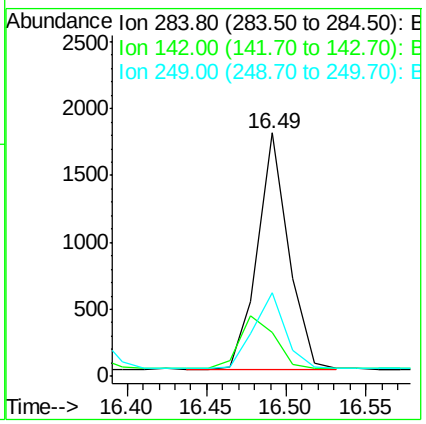


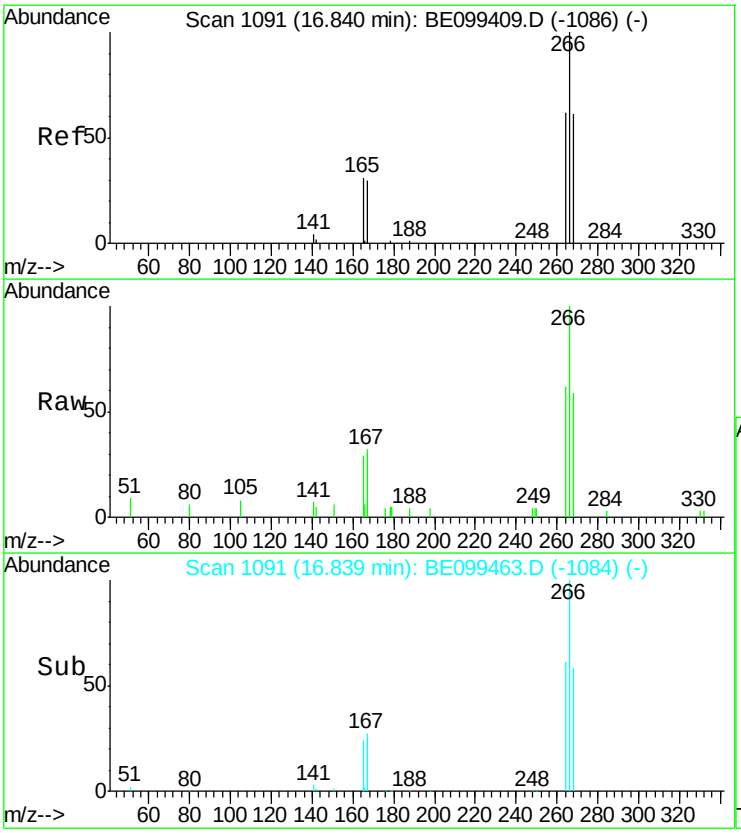
#21
Hexachlorobenzene
Concen: 0.262 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:284 Resp: 2443

Ion	Ratio	Lower	Upper
284	100		
142	24.6	21.0	31.6
249	32.5	26.7	40.1

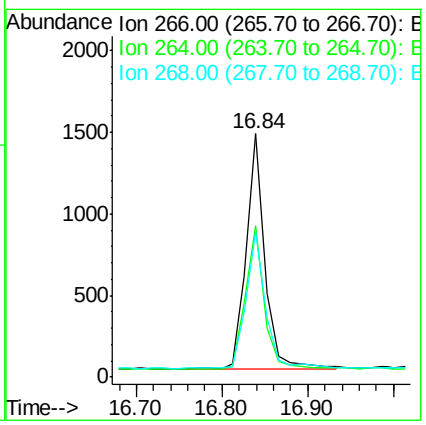


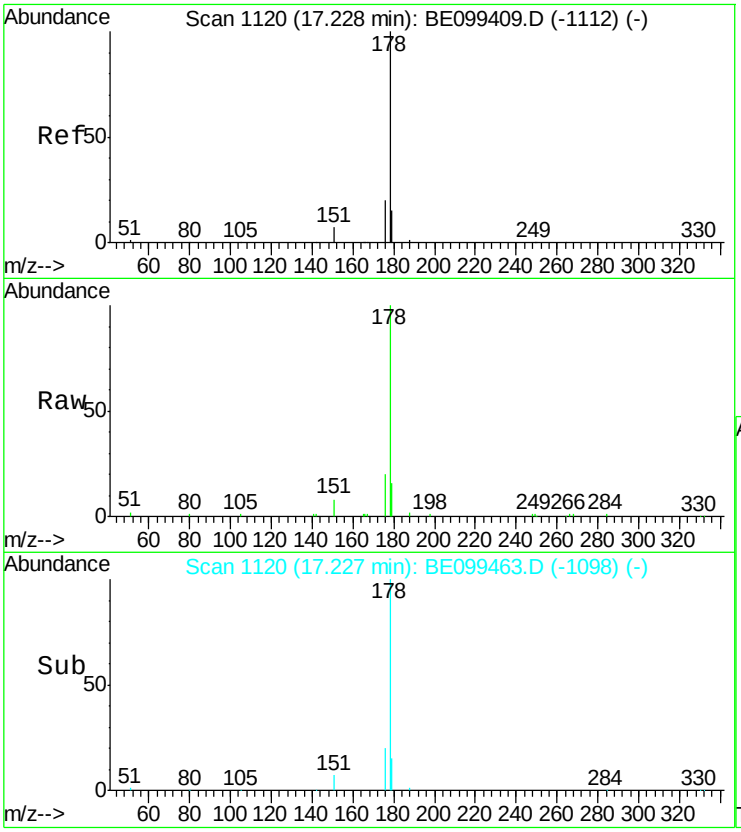


#22
Pentachlorophenol
Concen: 0.604 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:266 Resp: 2181

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.8	76.2
268	59.5	50.5	75.7



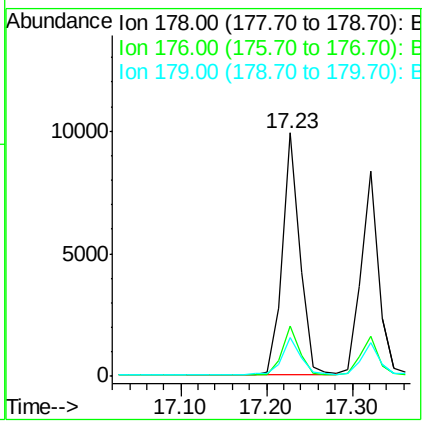


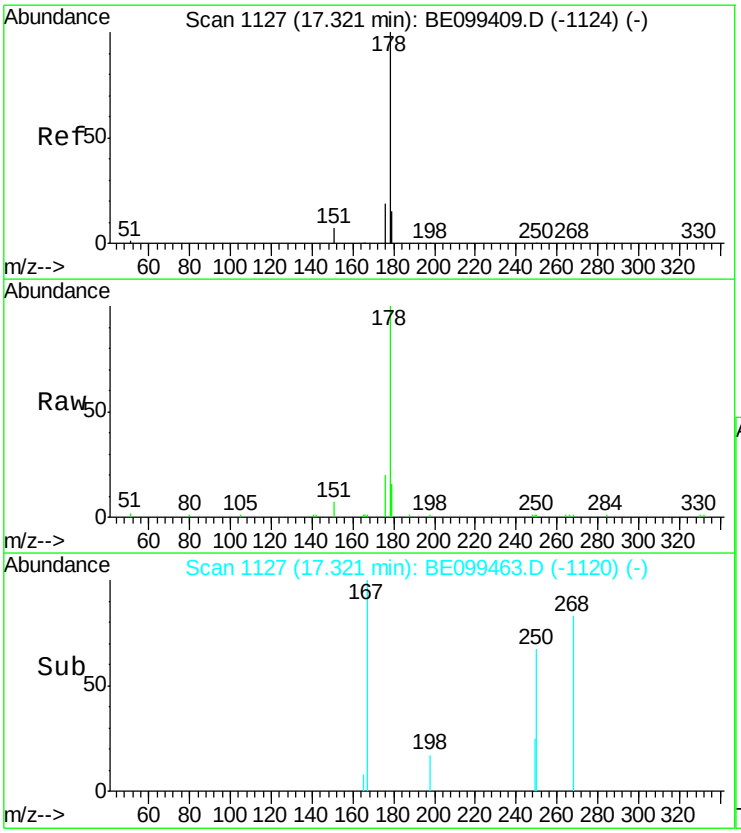
#23
Phenanthrene
Concen: 0.322 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:178 Resp: 13973

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.6	23.4
179	16.0	12.0	18.0

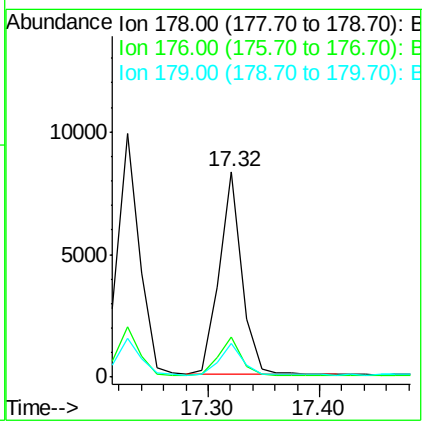


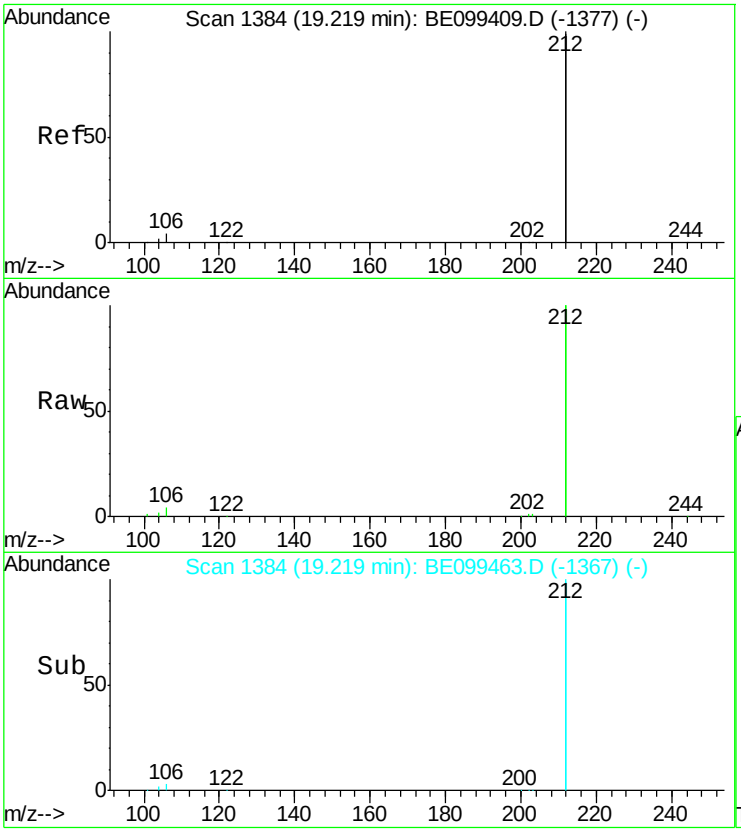


#24
Anthracene
Concen: 0.283 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:178 Resp: 11719

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.1	11.9	17.9



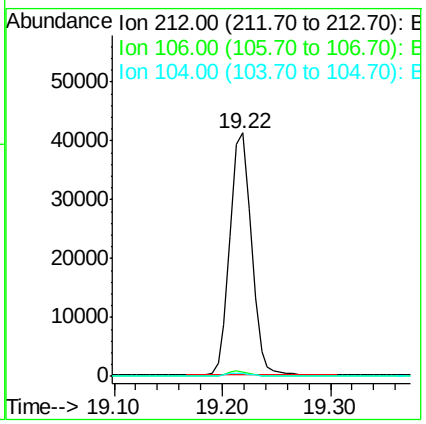


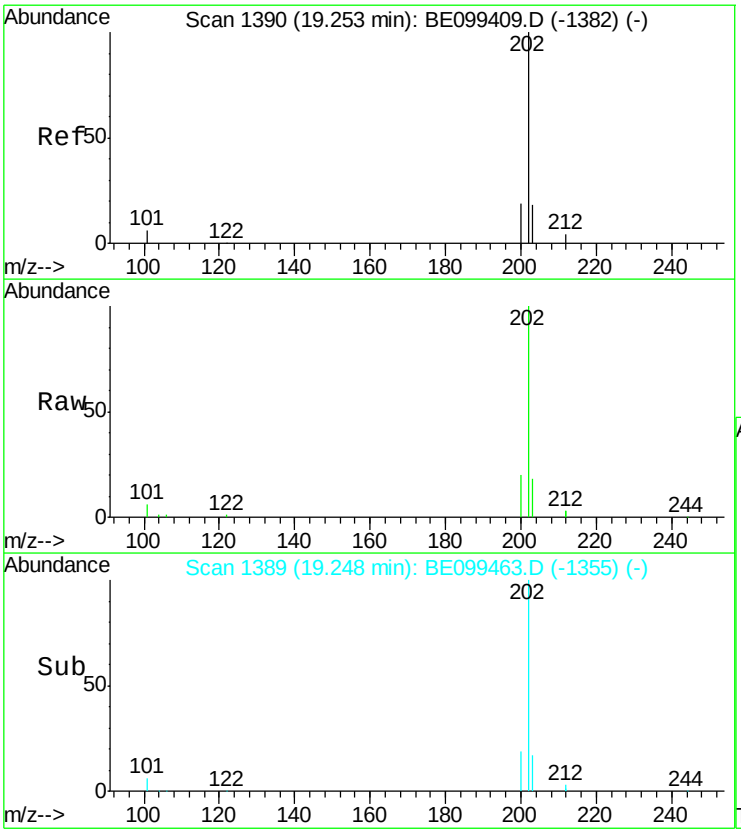
#25
Fluoranthene-d10
Concen: 0.248 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:212 Resp: 56128

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.2	0.9	1.3

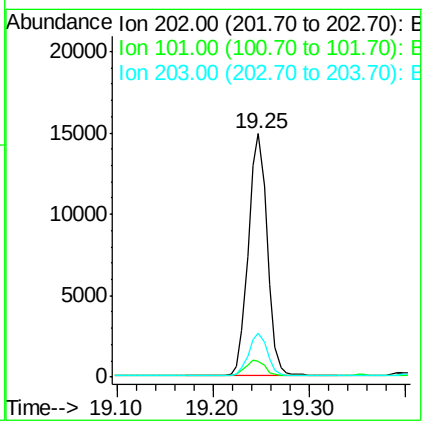


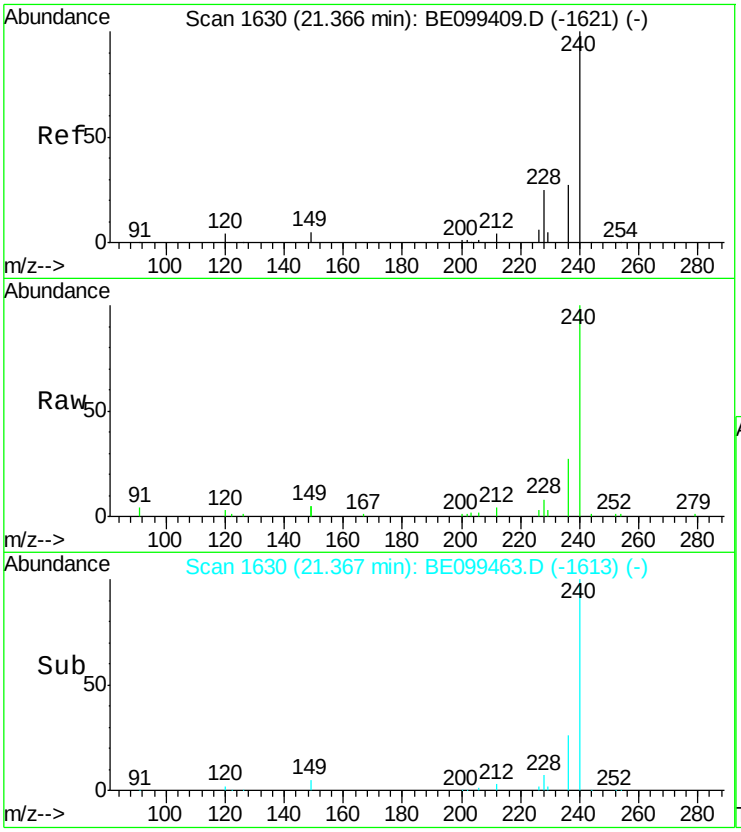


#26
Fluoranthene
Concen: 0.314 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:202 Resp: 20379

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.4	8.0
203	17.0	13.9	20.9



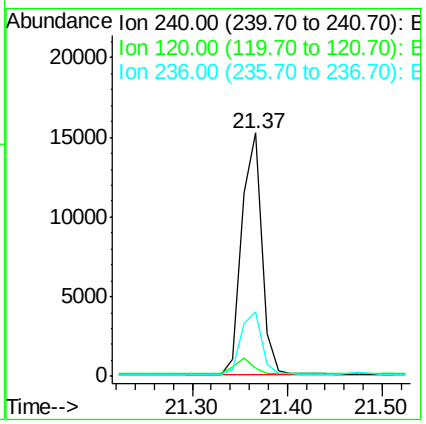


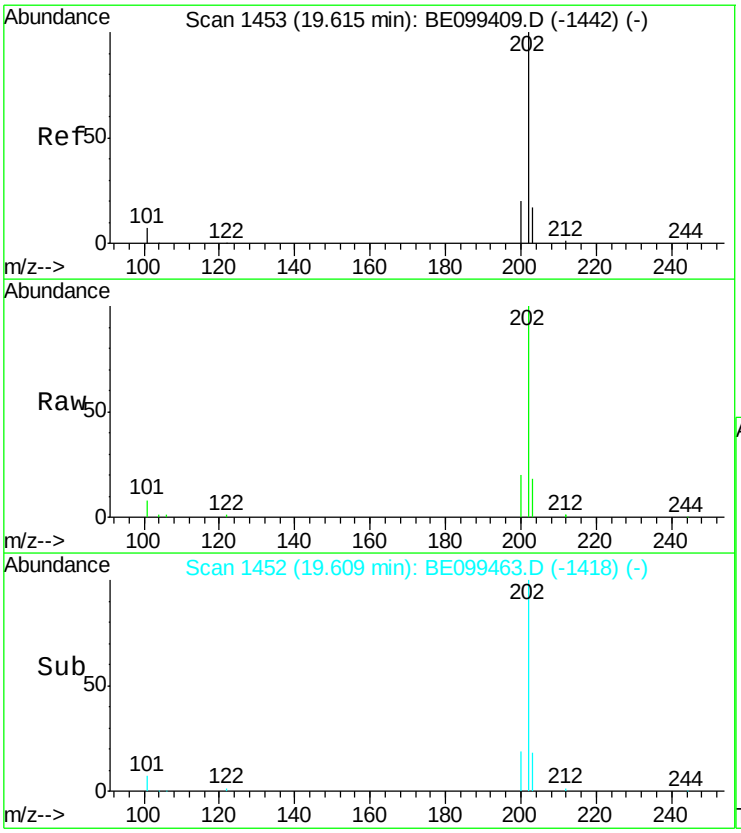
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:240 Resp: 22357

Ion	Ratio	Lower	Upper
240	100		
120	3.2	4.0	6.0#
236	26.6	22.0	33.0

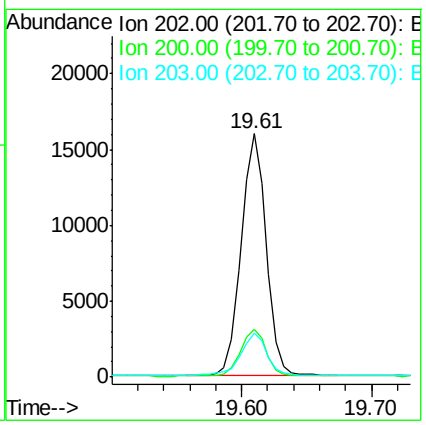


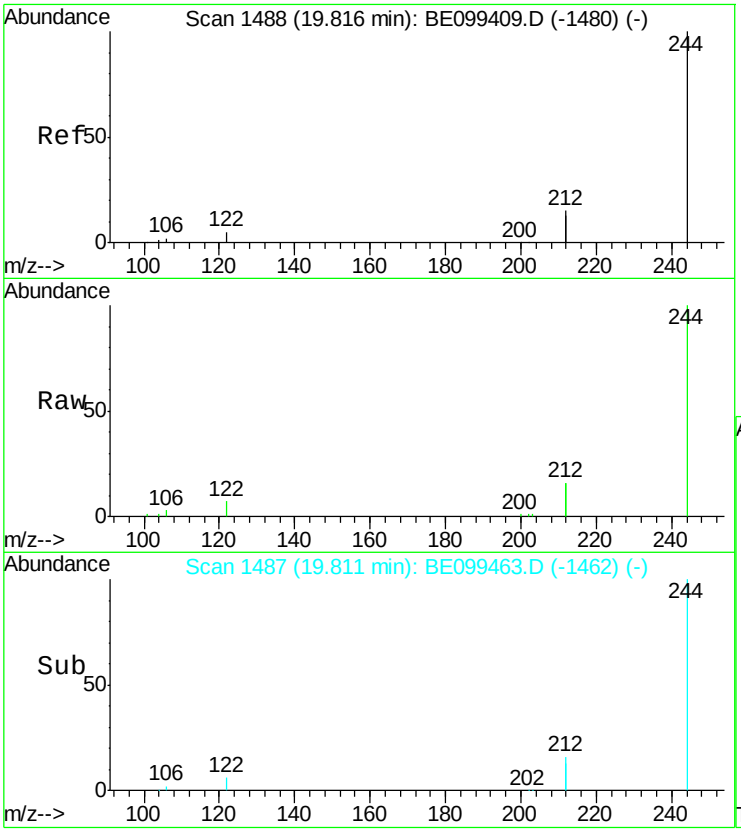


#28
Pyrene
Concen: 0.367 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:202 Resp: 21360

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	18.5	13.9	20.9



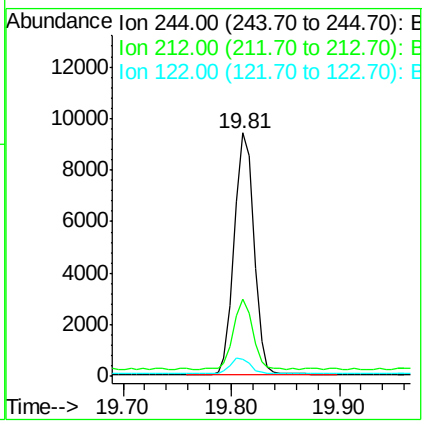


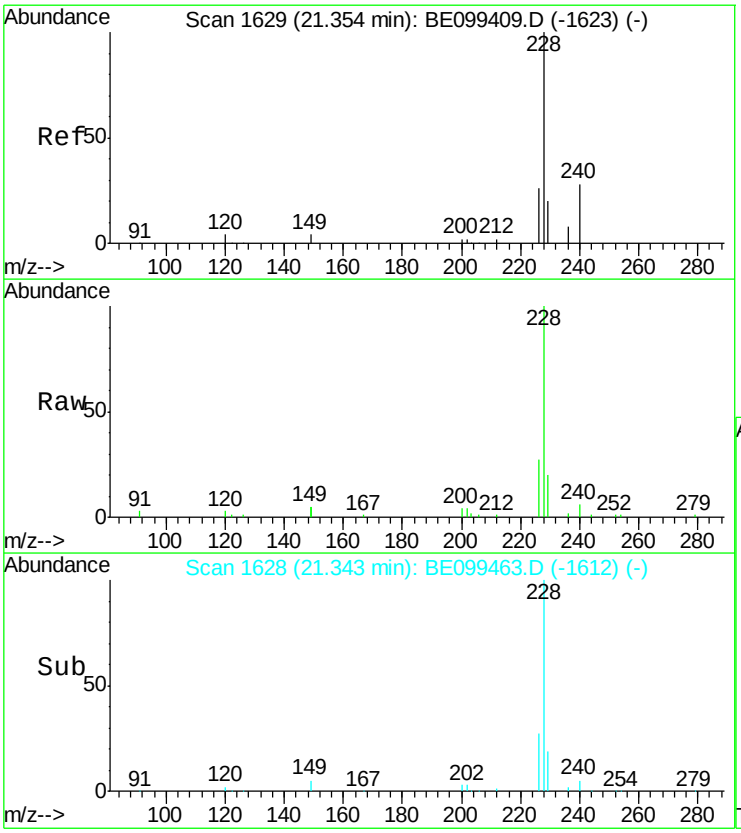
#29
Terphenyl-d14
Concen: 0.288 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:244 Resp: 11783

Ion	Ratio	Lower	Upper
244	100		
212	31.8	23.2	34.8
122	7.0	4.2	6.4#

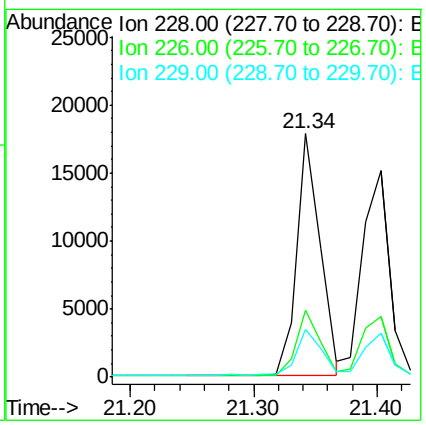


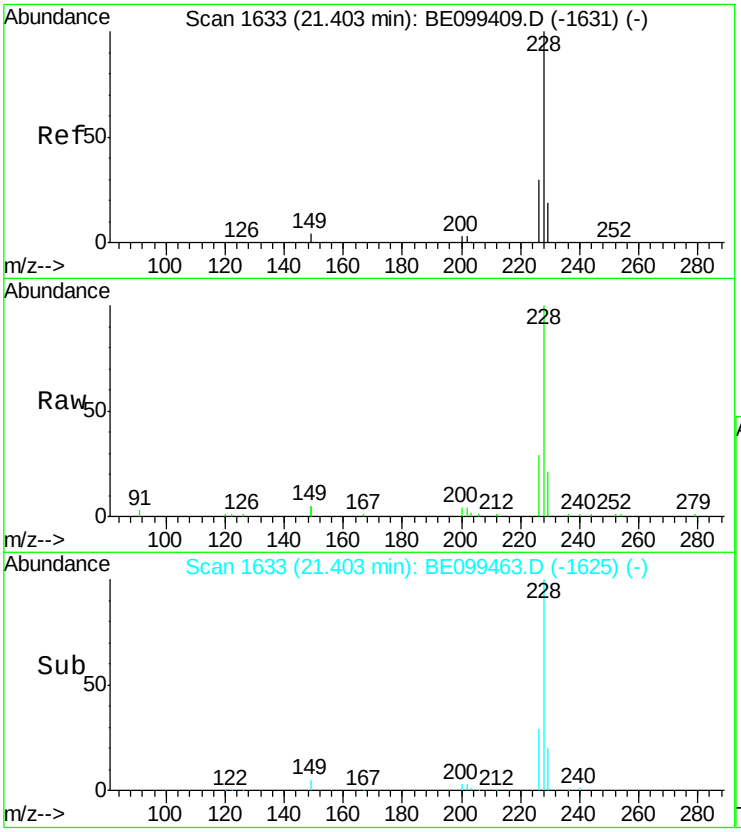


#30
Benzo(a)anthracene
Concen: 0.328 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:228 Resp: 23350

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.0	31.6
229	19.6	16.6	25.0



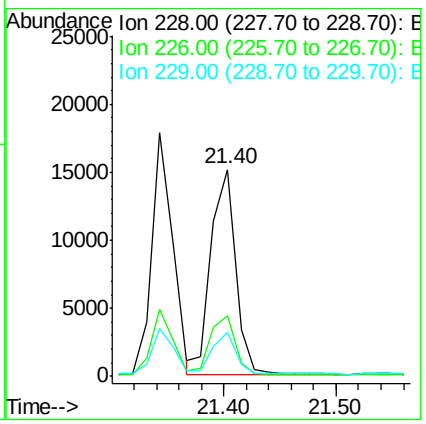


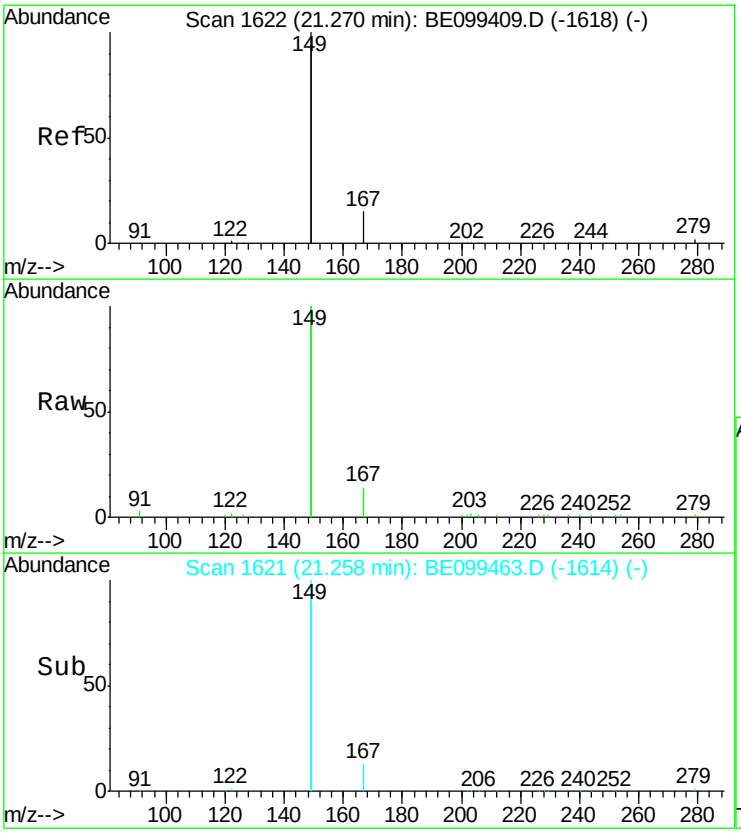
#31
Chrysene
Concen: 0.328 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:228 Resp: 22865

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	21.1	15.8	23.8

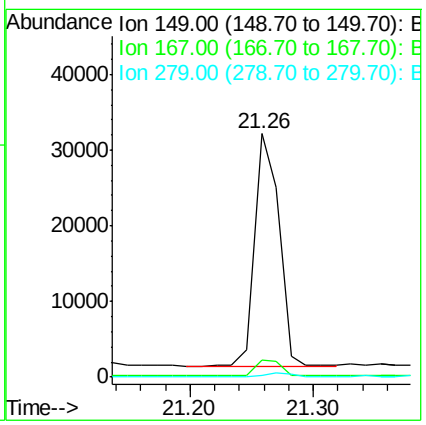


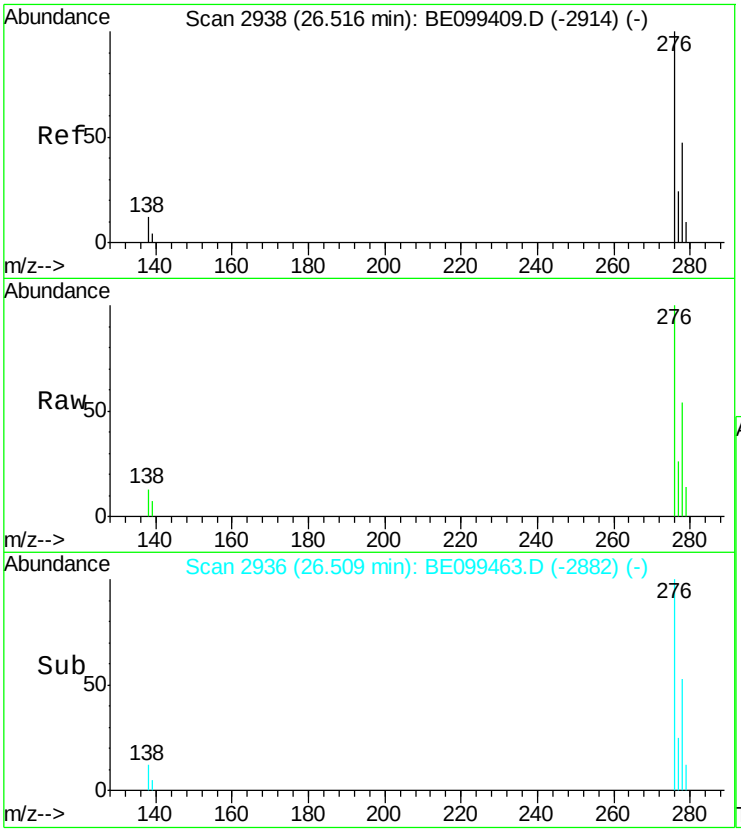


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.354 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:149 Resp: 42732

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.8	8.6
279	1.5	1.0	1.6



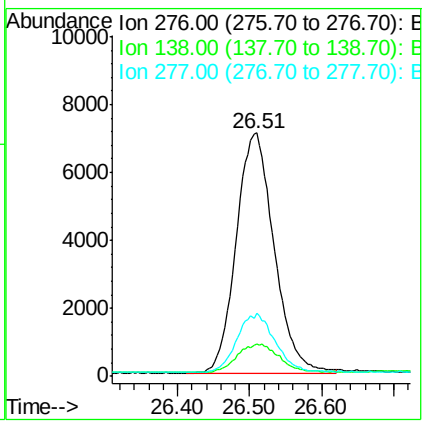


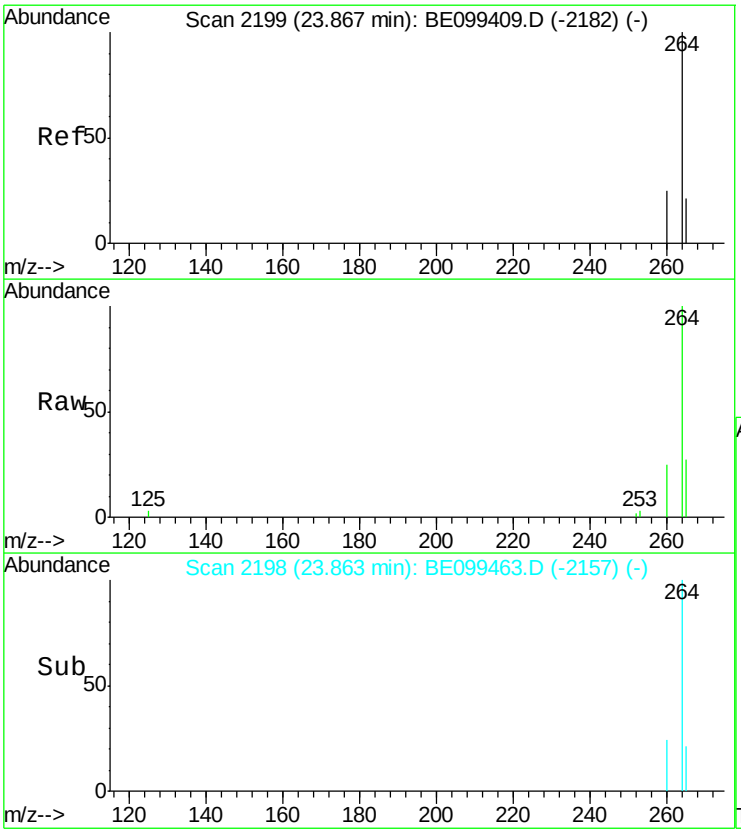
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.307 ng
RT: 26.51 min Scan# 2936
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:276 Resp: 25285

Ion	Ratio	Lower	Upper
276	100		
138	12.8	10.2	15.2
277	24.6	19.2	28.8

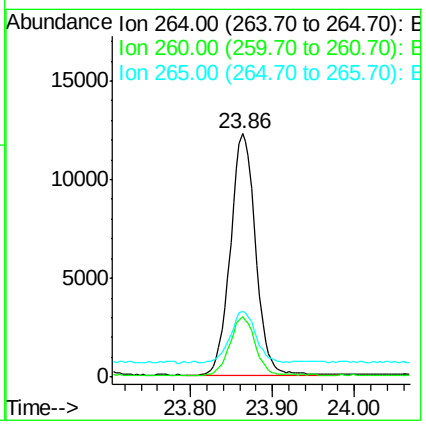


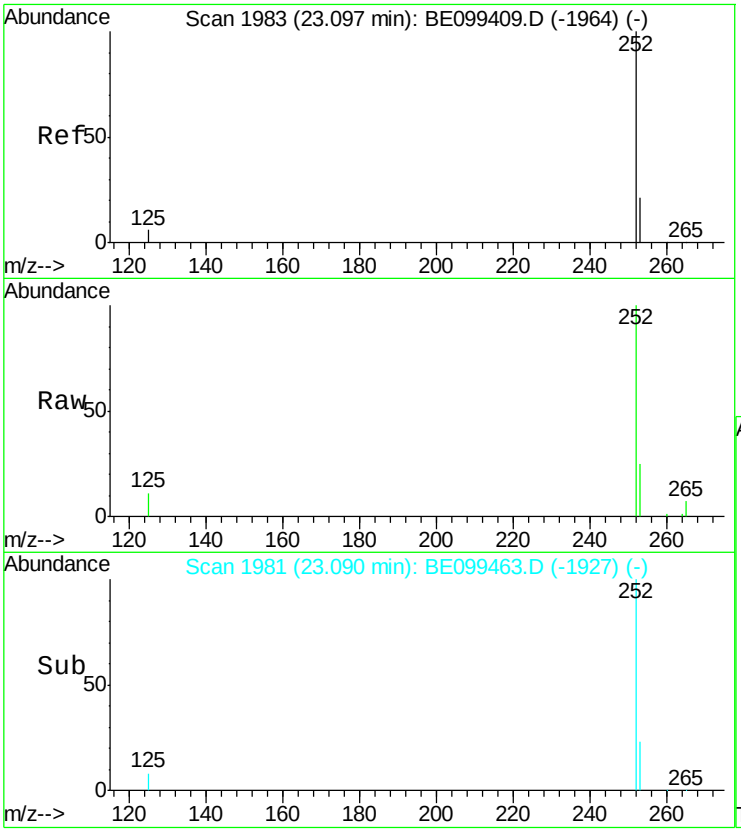


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:264 Resp: 25995

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	27.1	21.3	31.9



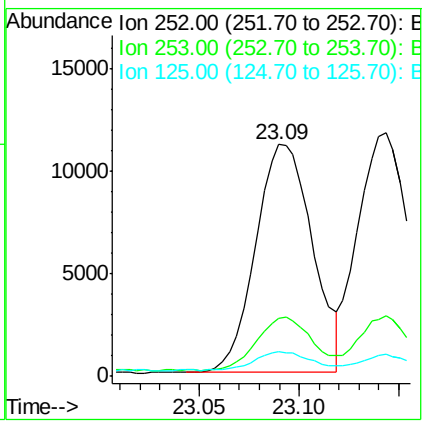


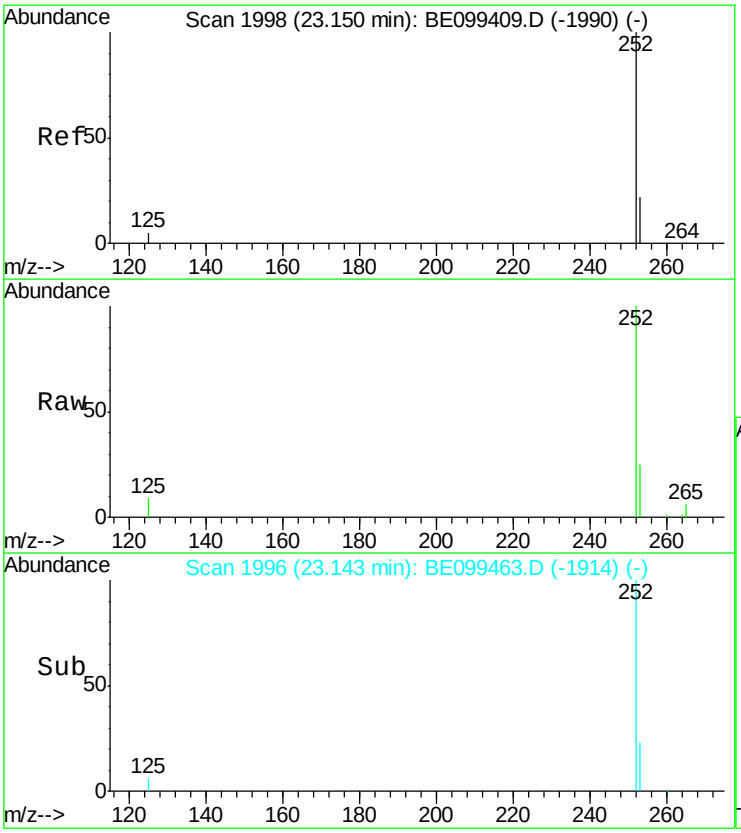
#35
Benzo(b)fluoranthene
Concen: 0.294 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:252 Resp: 22039

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	10.6	5.6	8.4#

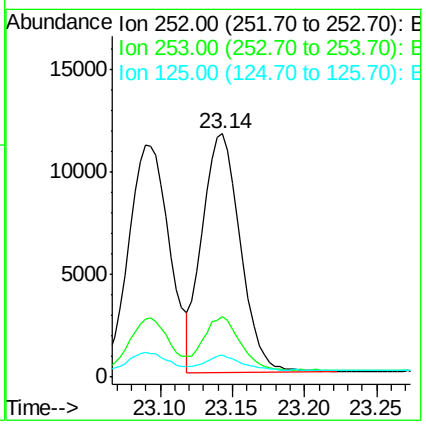


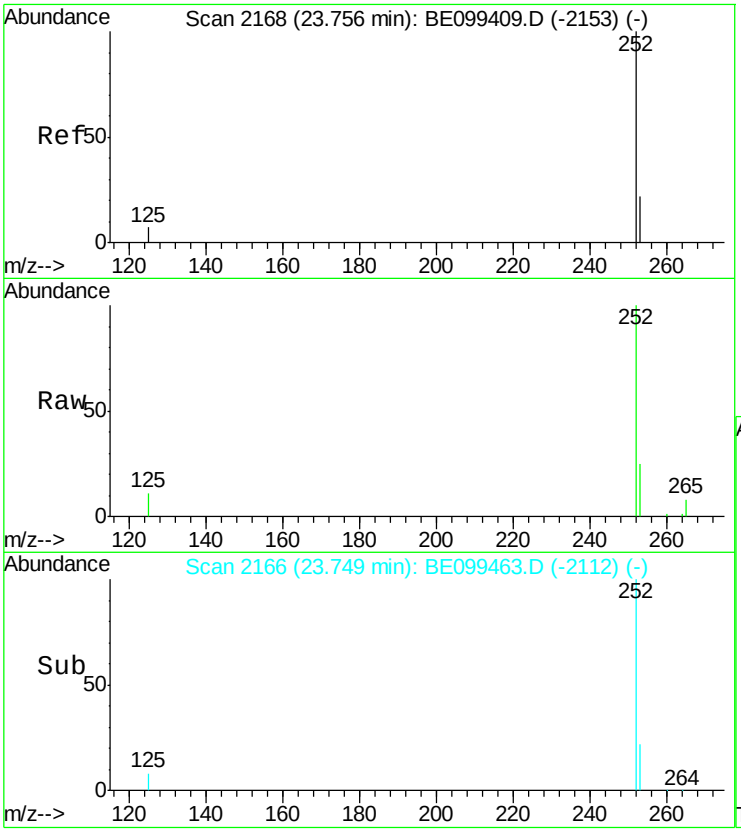


#36
Benzo(k)fluoranthene
Concen: 0.296 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:252 Resp: 21392

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.4	27.6
125	8.9	5.0	7.4#



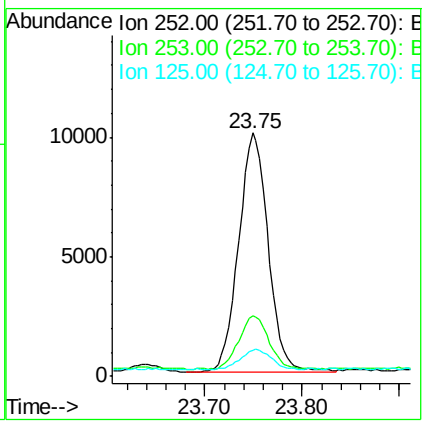


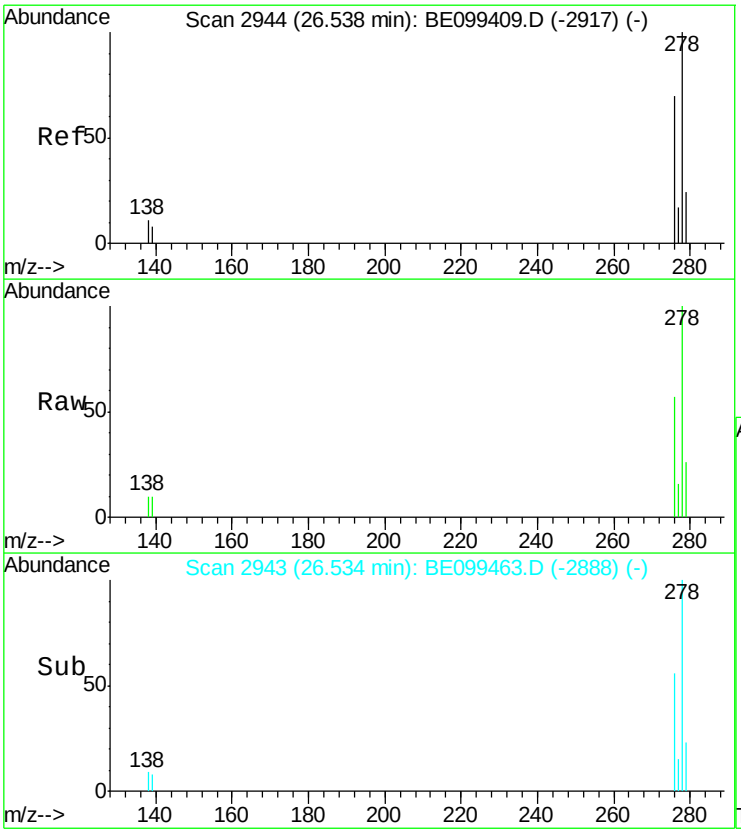
#37
Benzo(a)pyrene
Concen: 0.297 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:252 Resp: 21048

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.9	28.3
125	11.0	6.7	10.1#

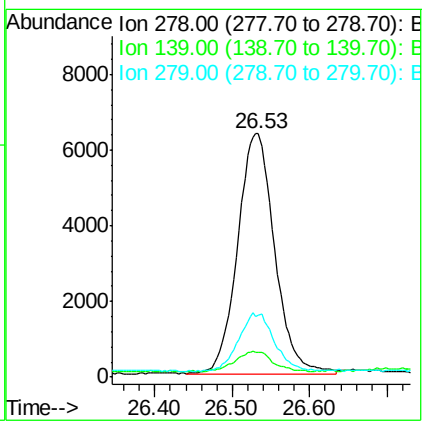


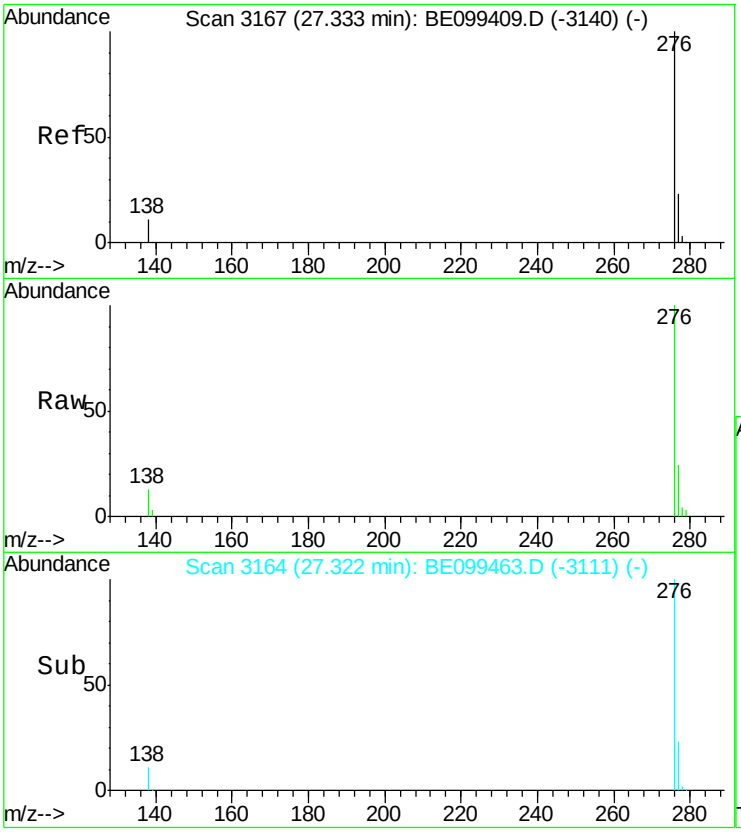


#38
Dibenzo(a,h)anthracene
Concen: 0.290 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

Tgt Ion:278 Resp: 21027

Ion	Ratio	Lower	Upper
278	100		
139	10.0	7.7	11.5
279	25.5	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.298 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE099463.D
Acq: 1 May 2019 14:43

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

Tgt Ion:276 Resp: 21619

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	13.4	9.6	14.4