Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099455.D
Acq On : 1 May 2019 9:41
Operator : JU/SJ
Sample : K2587-16MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 02 04:12:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2222	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	8018	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	5704	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	18480	0.40	ng		0.00
27) Chrysene-d12	21.37	240	26320	0.40	ng		0.00
34) Perylene-d12	23.86	264	30149	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1901	0.31	ng		0.00
5) Phenol-d6	6.97	99	2590	0.32	ng		0.00
8) Nitrobenzene-d5	8.97	82	2136	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	5038	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1124	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	5702	0.26	ng		-0.01
25) Fluoranthene-d10	19.22	212	65816	0.26	ng		0.00
29) Terphenyl-d14	19.81	244	13139	0.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	638	0.209	ng	#	55
3) n-Nitrosodimethylamine	3.63	42	531	0.288	ng	#	93
6) bis(2-Chloroethyl)ether	7.24	93	1843	0.261	ng		96
9) Naphthalene	10.65	128	25892	0.296	ng		99
10) Hexachlorobutadiene	10.93	225	1485	0.244	ng		99
12) 2-Methylnaphthalene	12.27	142	4480	0.295	ng		94
16) Acenaphthylene	14.17	152	8252	0.296	ng		98
17) Acenaphthene	14.52	154	4890	0.307	ng		99
18) Fluorene	15.49	166	7132	0.303	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	2733	0.254	ng		95
21) Hexachlorobenzene	16.49	284	2772	0.270	ng		99
22) Pentachlorophenol	16.84	266	1441	0.449	ng		99
23) Phenanthrene	17.23	178	22800	0.478	ng		99
24) Anthracene	17.32	178	14613	0.322	ng		99
26) Fluoranthene	19.25	202	37284	0.522	ng		100
28) Pyrene	19.61	202	36834	0.537	ng		99
30) Benzo(a)anthracene	21.34	228	35624	0.425	ng		98
31) Chrysene	21.40	228	34618	0.422	ng		98
32) Bis(2-ethylhexyl)phthalate	21.26	149	41458	0.279	ng		99
33) Indeno(1,2,3-cd)pyrene	26.50	276	32924	0.339	ng		99
35) Benzo(b)fluoranthene	23.14	252	29296	0.337	ng		98
36) Benzo(k)fluoranthene	23.14	252	29536	0.352	ng	#	98
37) Benzo(a)pyrene	23.75	252	31020	0.377	ng		99
38) Dibenzo(a,h)anthracene	26.53	278	24626	0.293	ng		99
39) Benzo(g,h,i)perylene	27.32	276	28070	0.333	ng		98

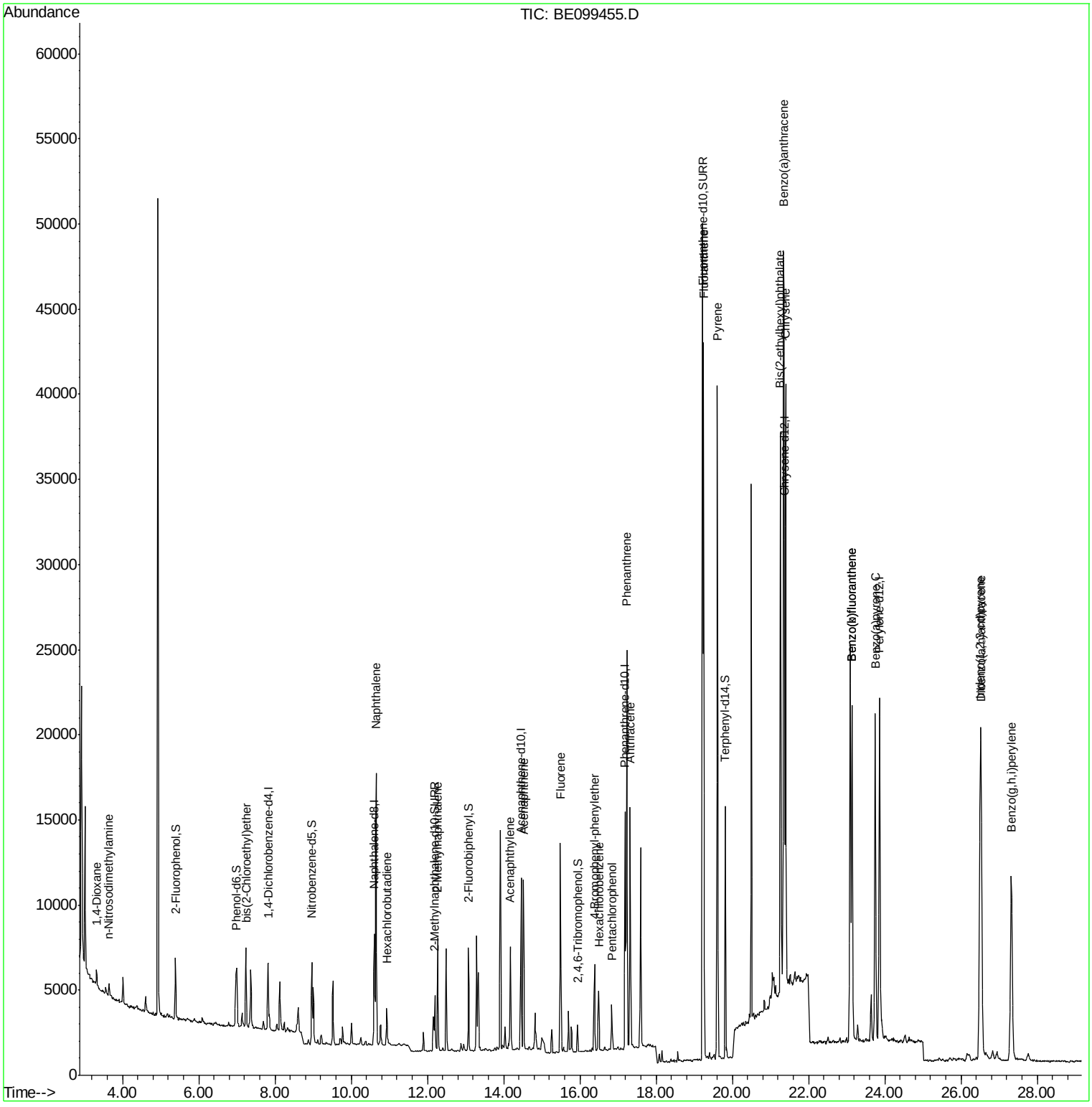
(#) = qualifier out of range (m) = manual integration (+) = signals summed

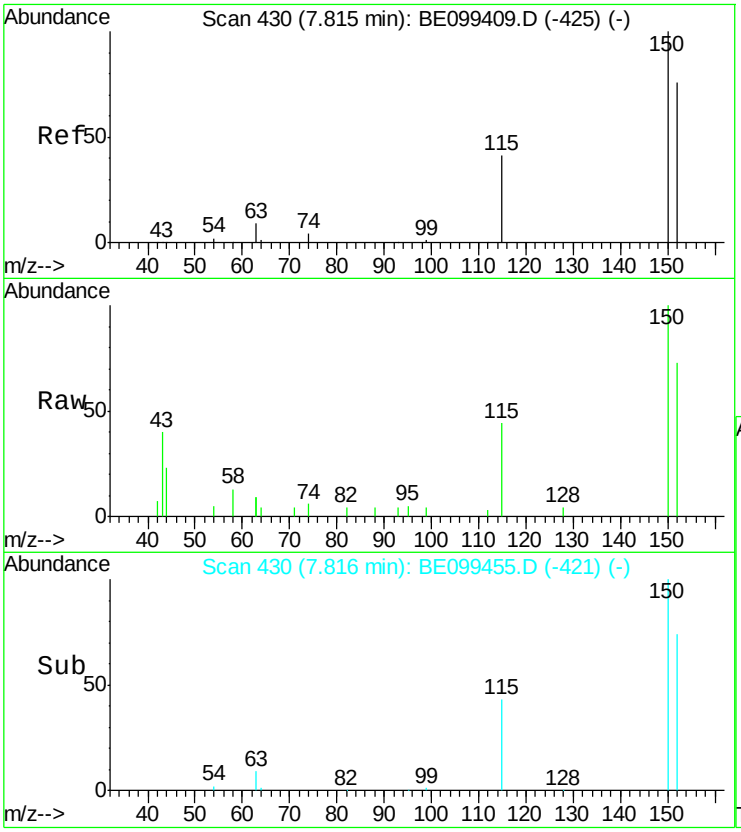
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099455.D
Acq On : 1 May 2019 9:41
Operator : JU/SJ
Sample : K2587-16MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 02 04:12:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration



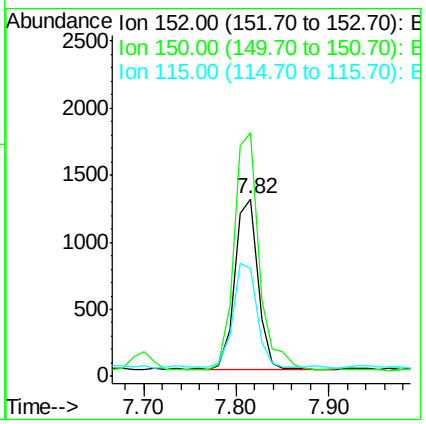


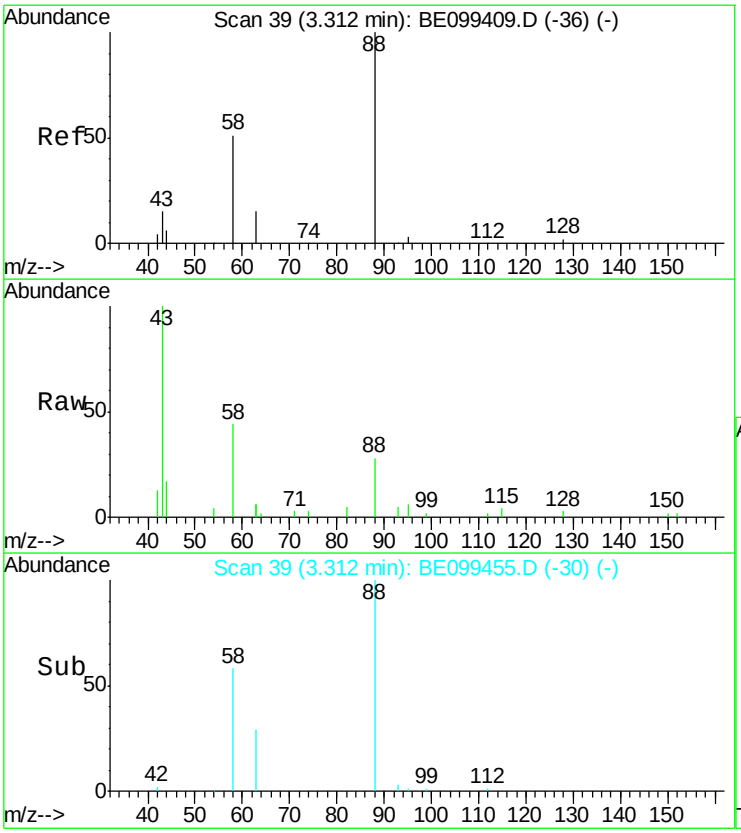
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:152 Resp: 2222

Ion	Ratio	Lower	Upper
152	100		
150	137.5	104.8	157.2
115	60.9	46.6	69.8

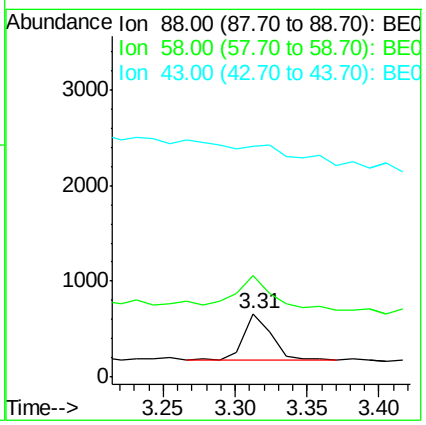


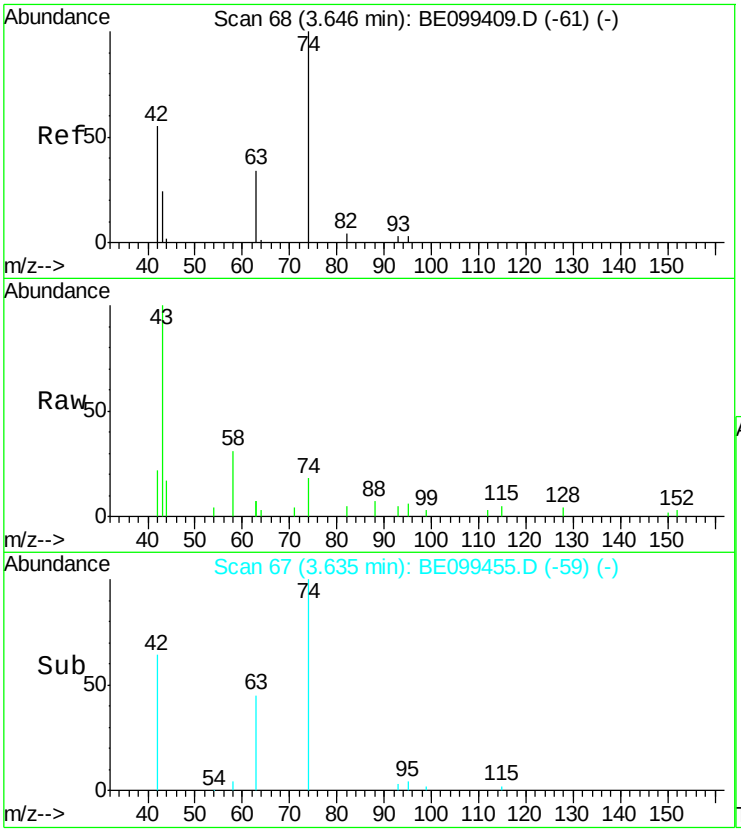


#2
1,4-Dioxane
Concen: 0.209 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion: 88 Resp: 638

Ion	Ratio	Lower	Upper
88	100		
58	97.2	51.0	76.6#
43	0.0	20.6	30.8#



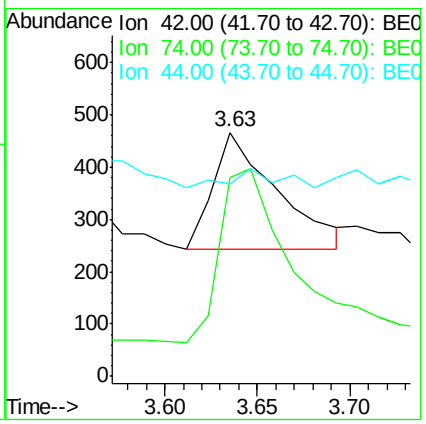


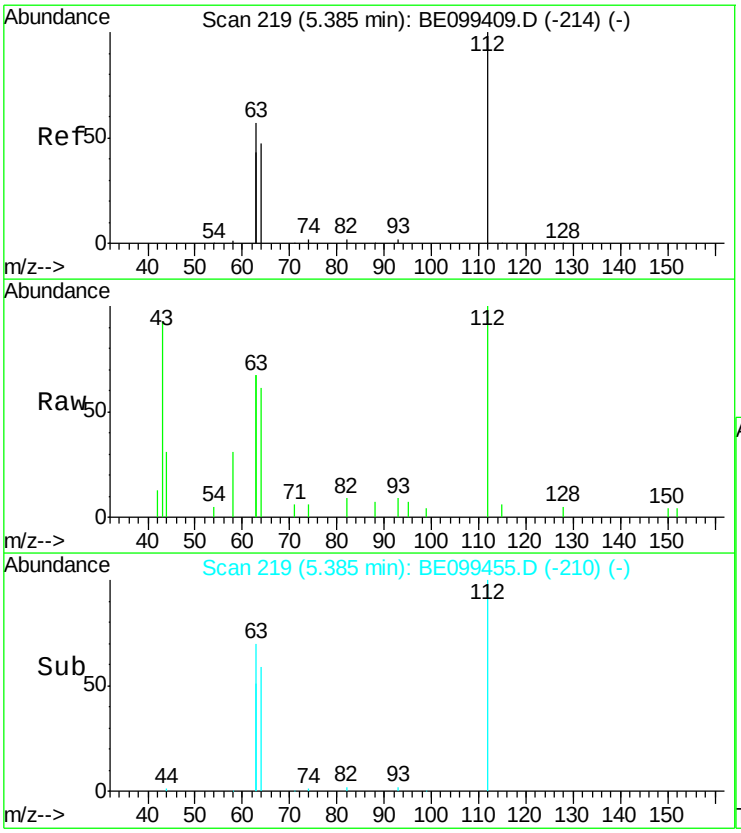
#3
n-Nitrosodimethylamine
Concen: 0.288 ng
RT: 3.63 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion: 42 Resp: 531

Ion	Ratio	Lower	Upper
42	100		
74	166.5	141.6	212.4
44	12.4	0.0	0.0#

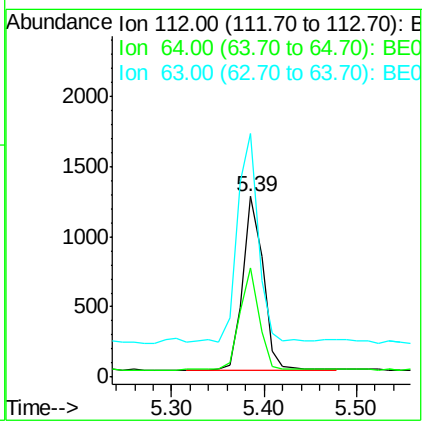


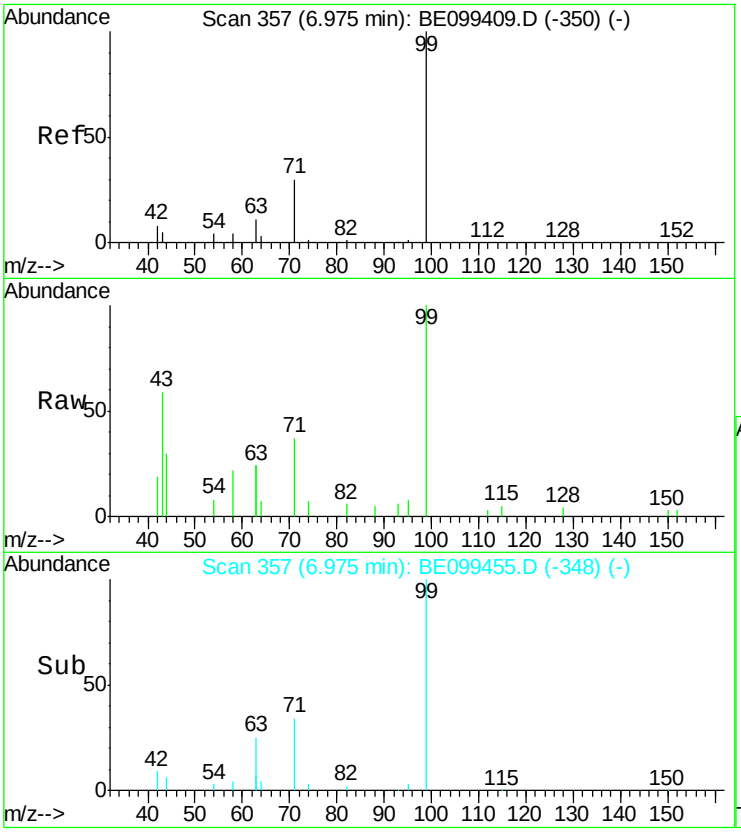


#4
2-Fluorophenol
Concen: 0.309 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:112 Resp: 1901

Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.4	71.0
63	120.4	104.3	156.5



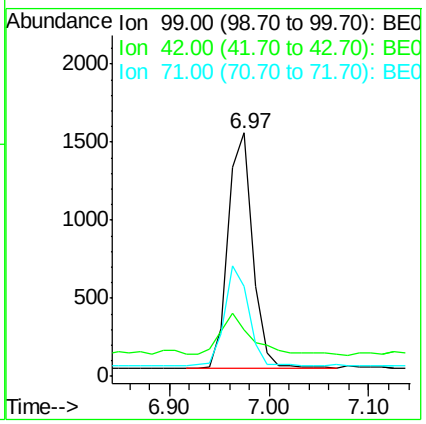


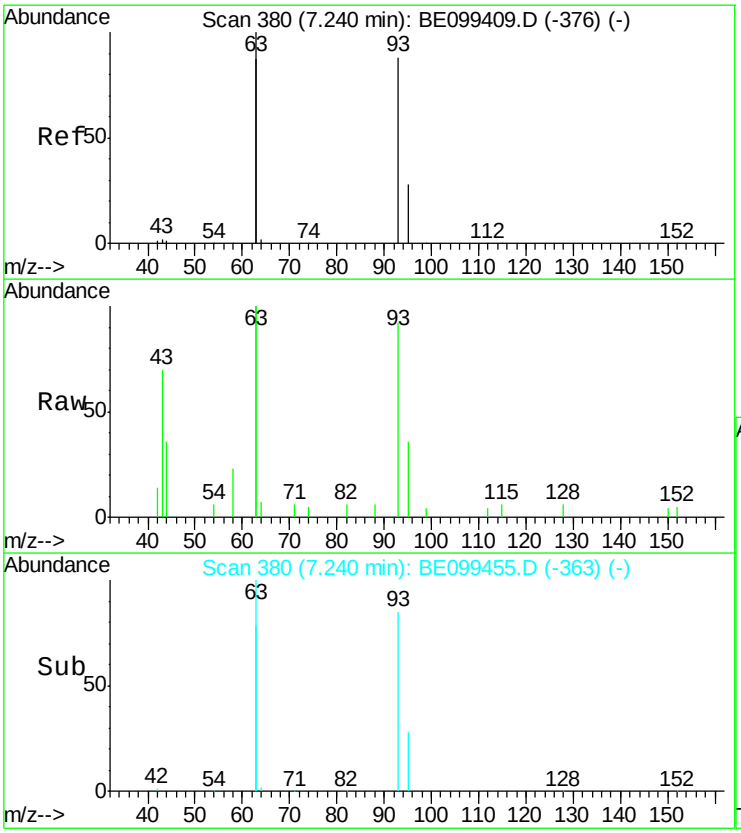
#5
Phenol-d6
Concen: 0.317 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion: 99 Resp: 2590

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.9	22.3
71	42.7	33.0	49.6

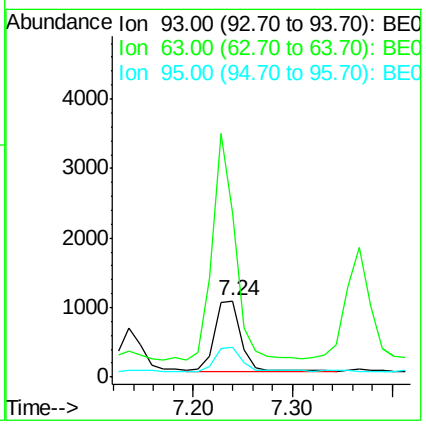


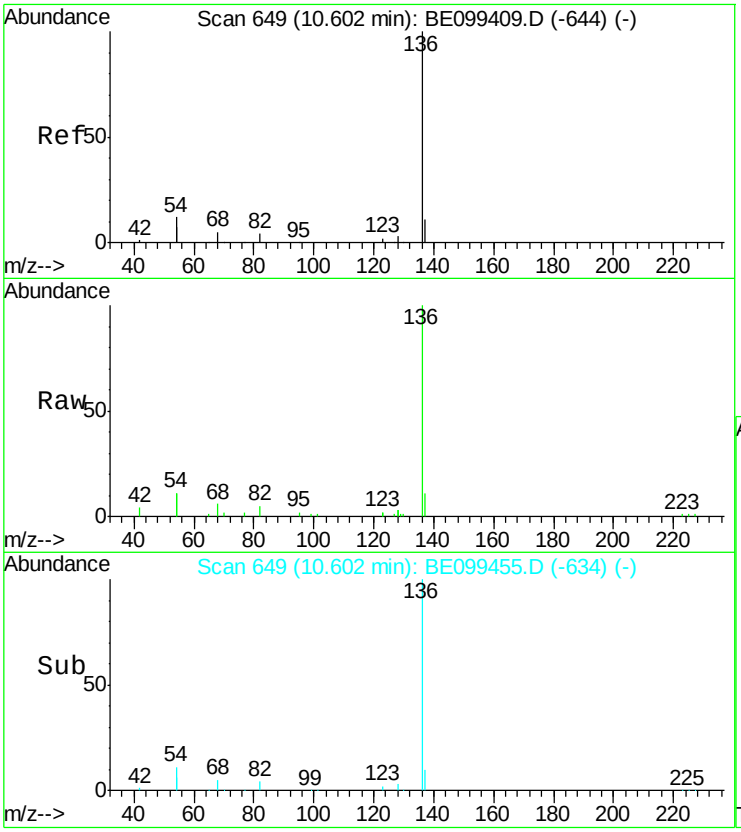


#6
bis(2-Chloroethyl)ether
Concen: 0.261 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion: 93 Resp: 1843

Ion	Ratio	Lower	Upper
93	100		
63	276.2	215.6	323.4
95	36.0	26.2	39.2



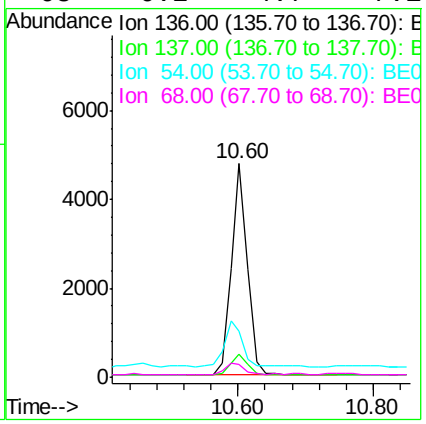


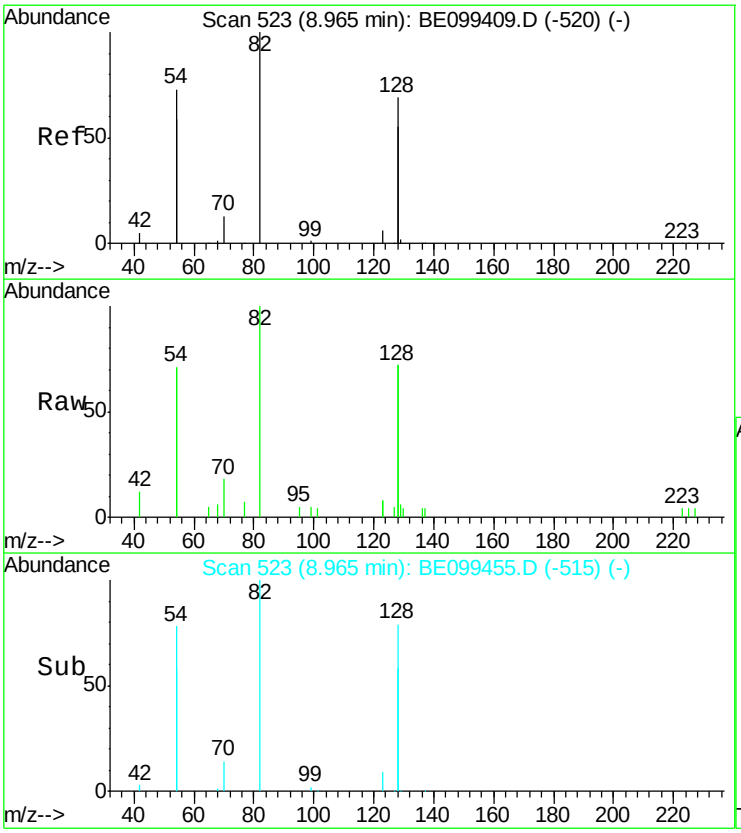
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:136 Resp: 8018

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	21.5	18.5	27.7
68	6.2	4.7	7.1

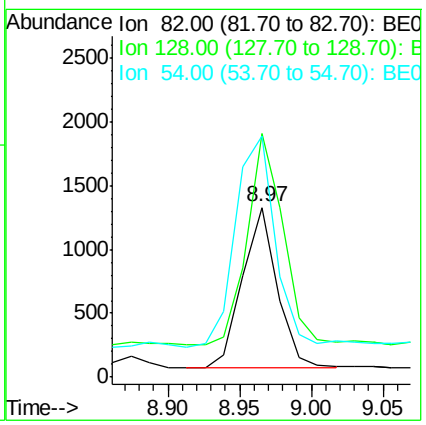


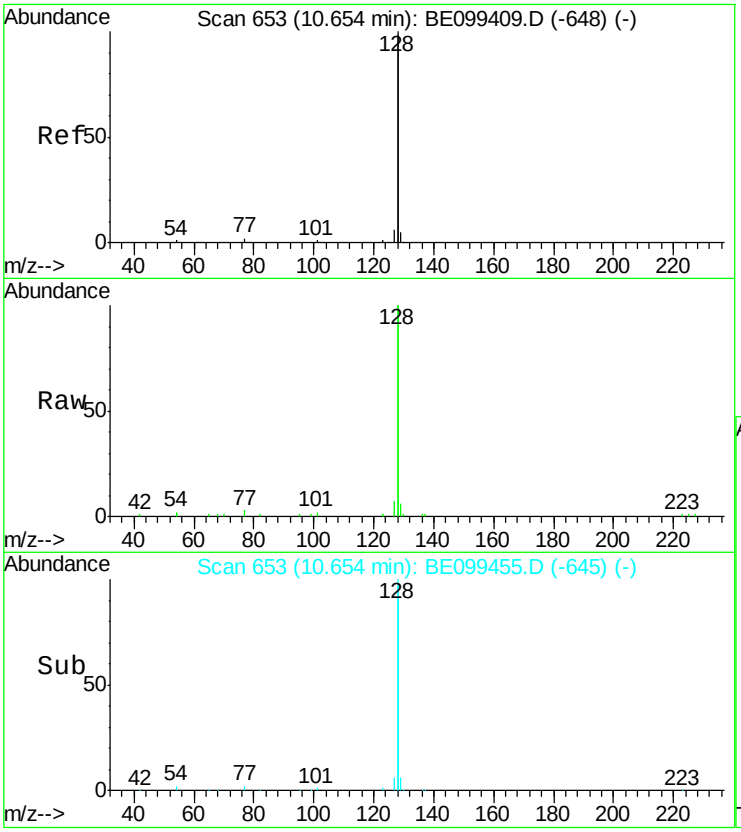


#8
Nitrobenzene-d5
Concen: 0.284 ng
RT: 8.97 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion: 82 Resp: 2136

Ion	Ratio	Lower	Upper
82	100		
128	143.7	107.0	160.4
54	142.5	113.1	169.7



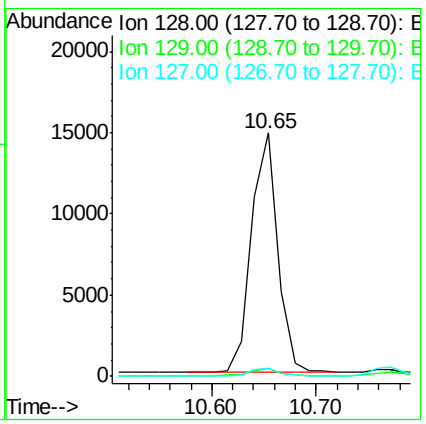


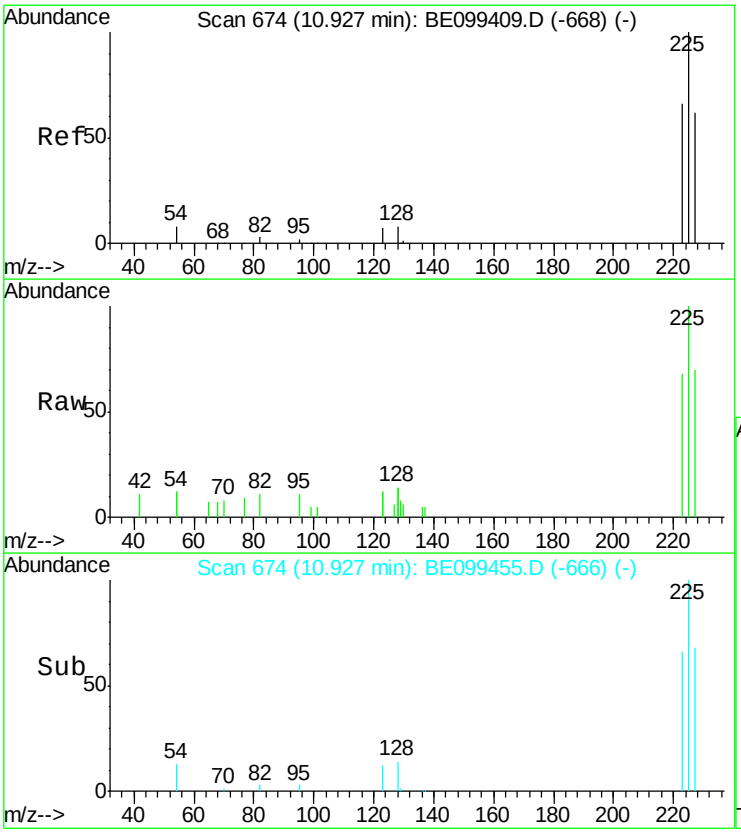
#9
Naphthalene
Concen: 0.296 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:128 Resp: 25892

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

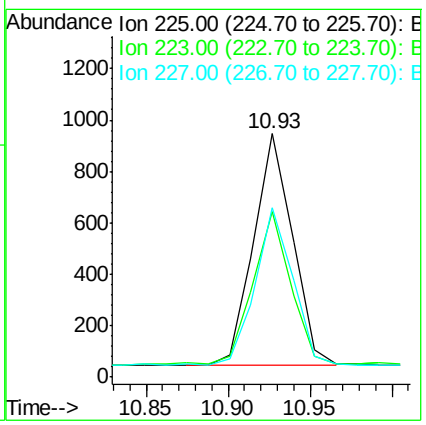


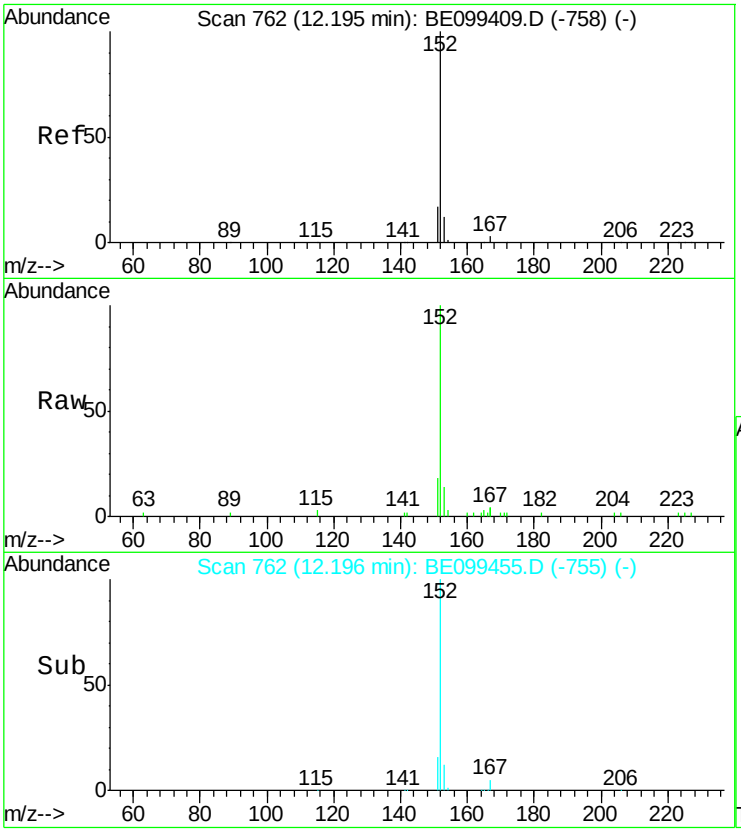


#10
Hexachlorobutadiene
Concen: 0.244 ng
RT: 10.93 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:225 Resp: 1485

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.0	76.6
227	64.6	50.9	76.3



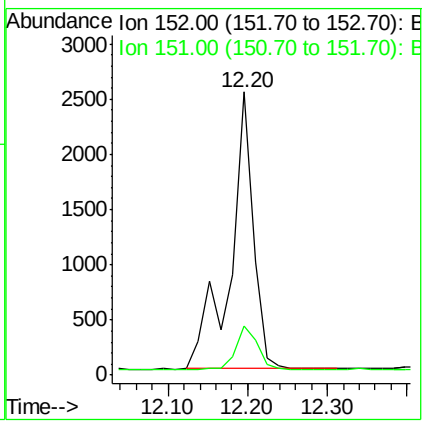


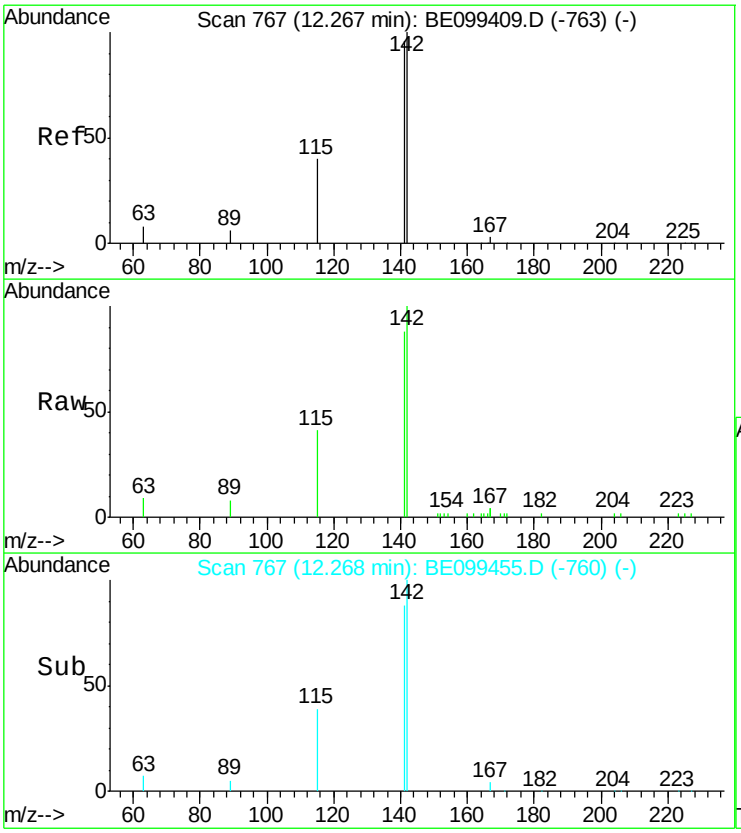
#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:152 Resp: 5038

Ion	Ratio	Lower	Upper
152	100		
151	15.2	15.5	23.3#

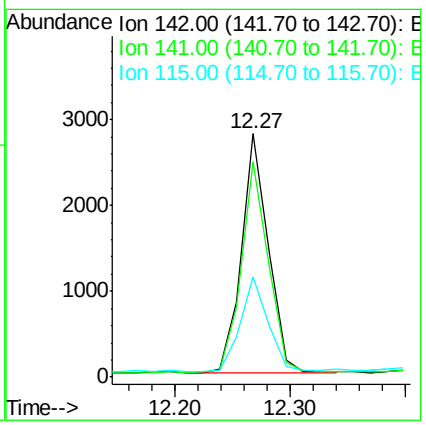


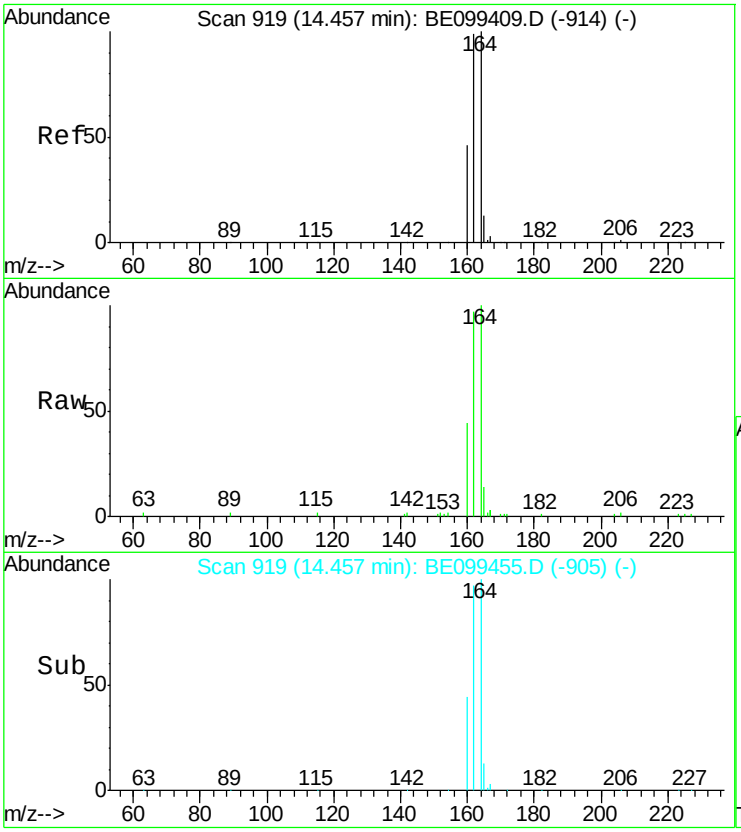


#12
2-Methylnaphthalene
Concen: 0.295 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:142 Resp: 4480

Ion	Ratio	Lower	Upper
142	100		
141	88.4	77.0	115.4
115	41.0	33.4	50.0



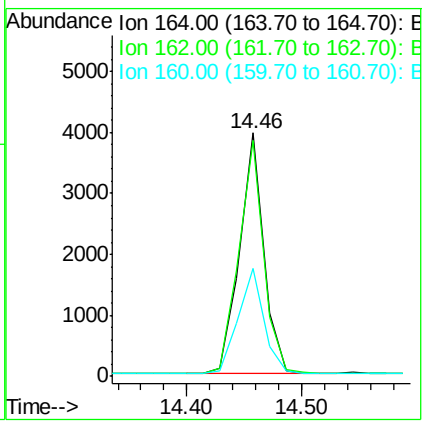


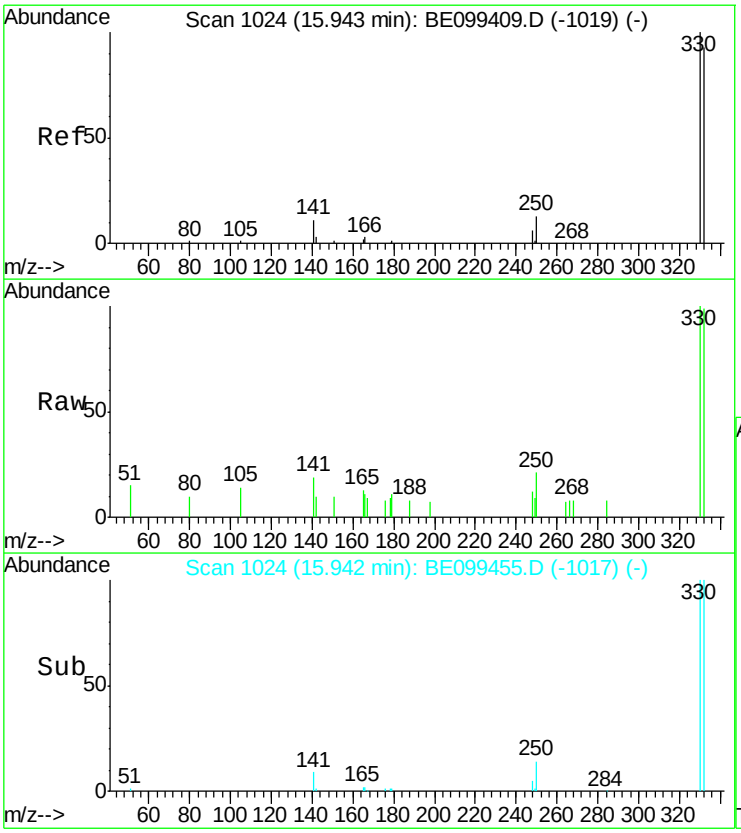
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:164 Resp: 5704

Ion	Ratio	Lower	Upper
164	100		
162	96.9	79.0	118.4
160	44.2	37.0	55.4

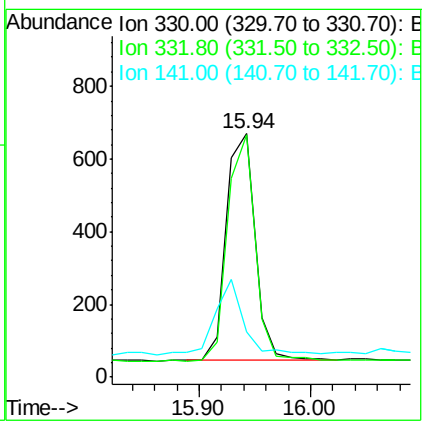


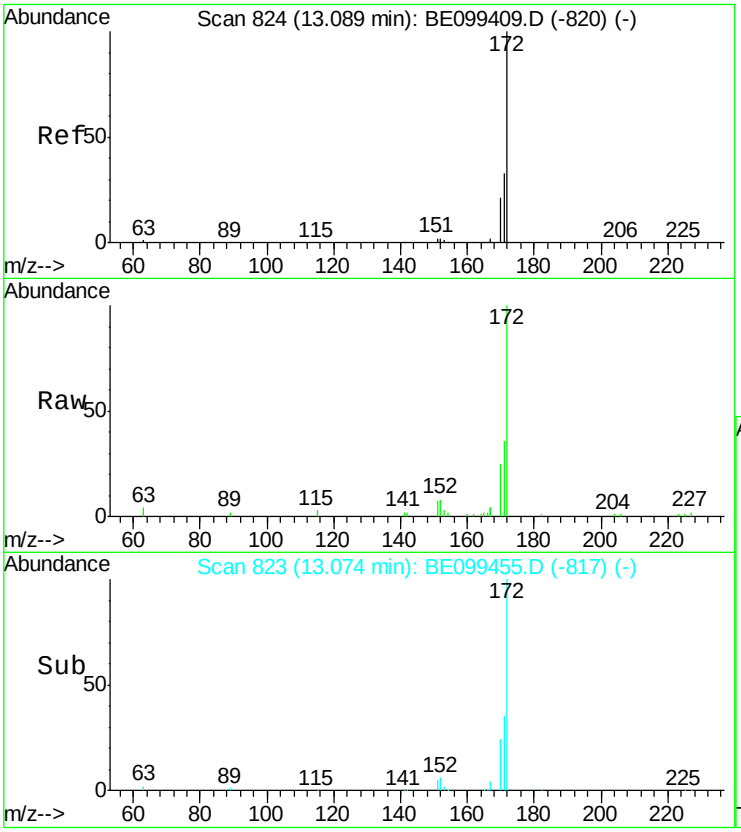


#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:330 Resp: 1124

Ion	Ratio	Lower	Upper
330	100		
332	94.8	71.5	107.3
141	31.1	24.0	36.0



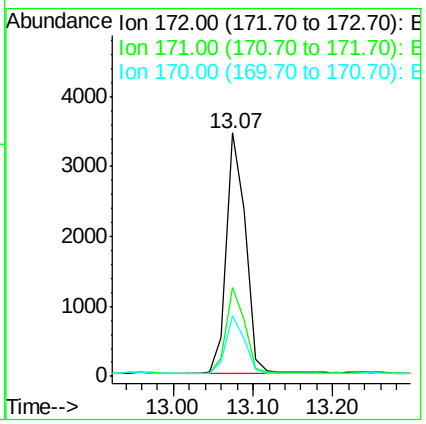


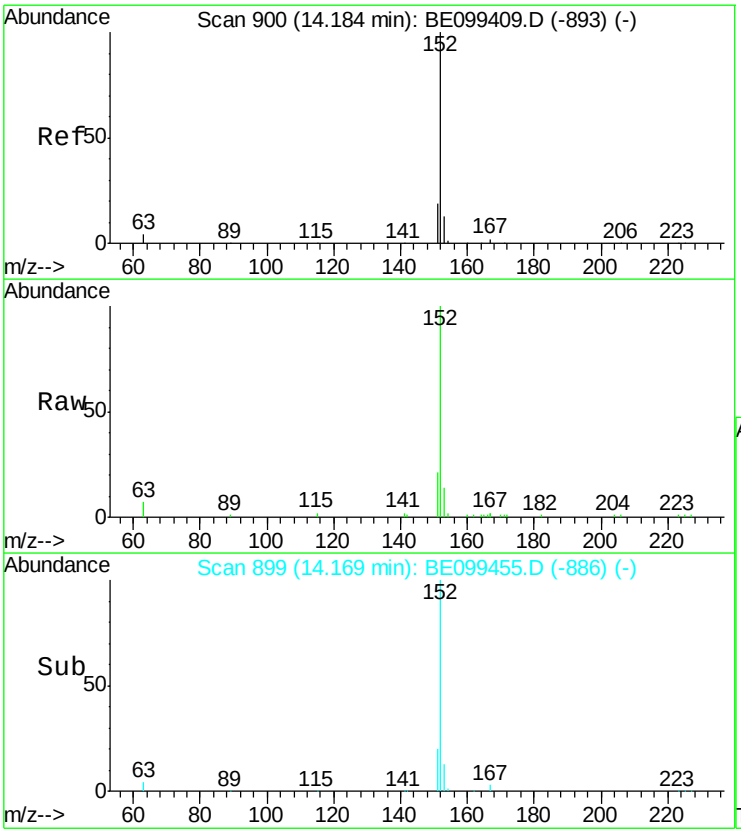
#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:172 Resp: 5702

Ion	Ratio	Lower	Upper
172	100		
171	36.2	26.6	39.8
170	25.1	17.0	25.6

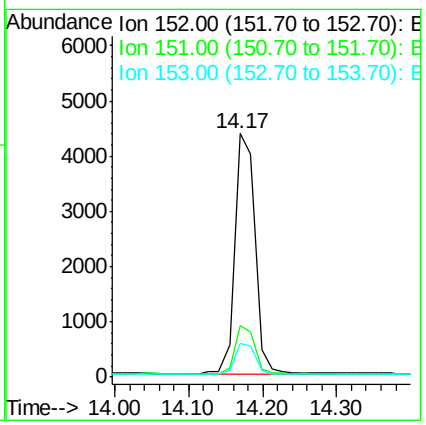


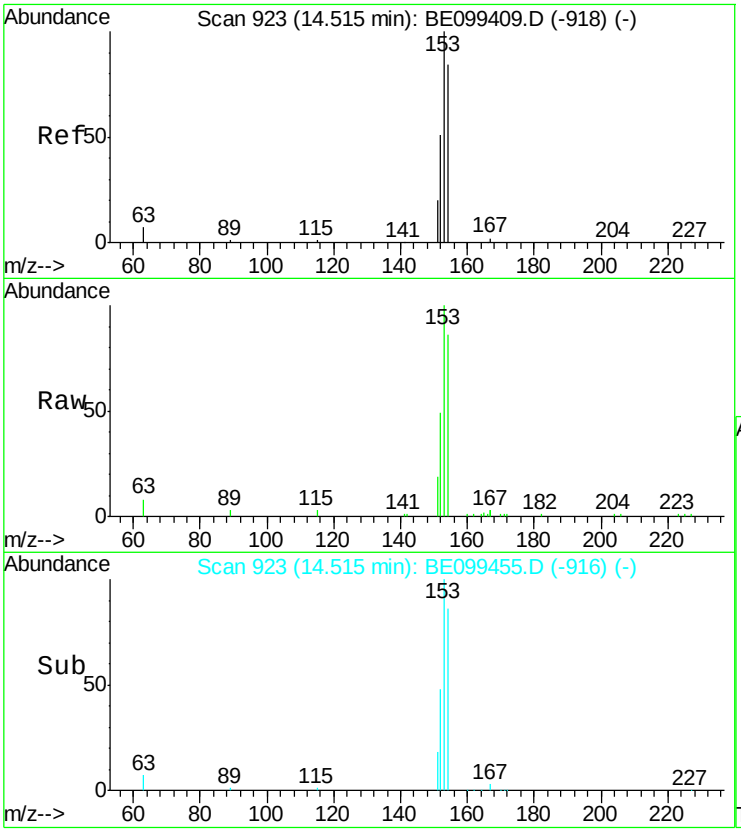


#16
Acenaphthylene
Concen: 0.296 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:152 Resp: 8252

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.2
153	12.9	9.8	14.6



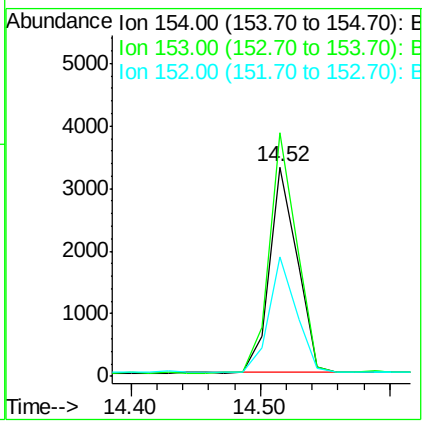


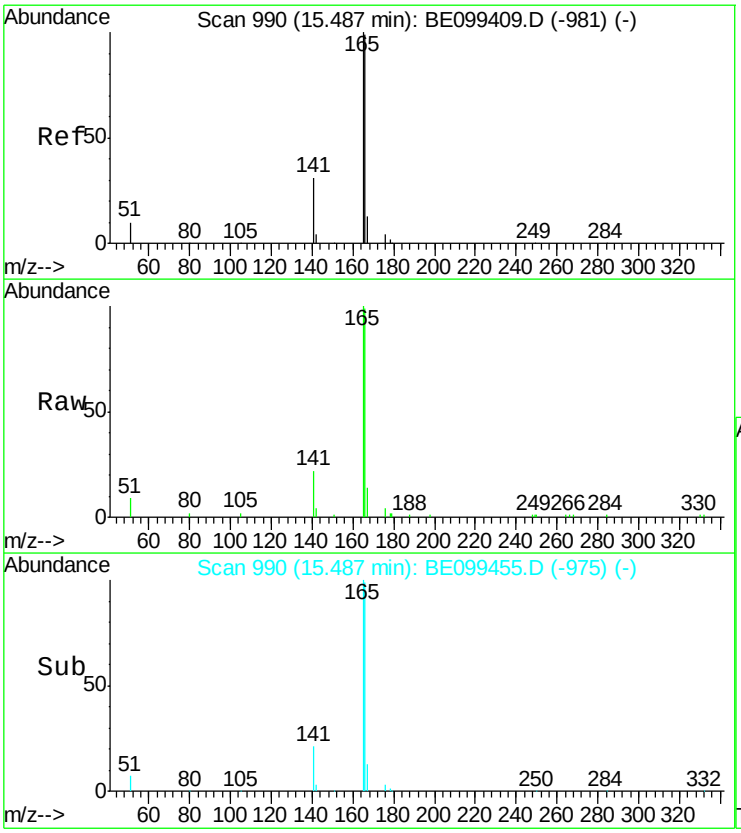
#17
Acenaphthene
Concen: 0.307 ng
RT: 14.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:154 Resp: 4890

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.6	138.8
152	56.4	45.8	68.8

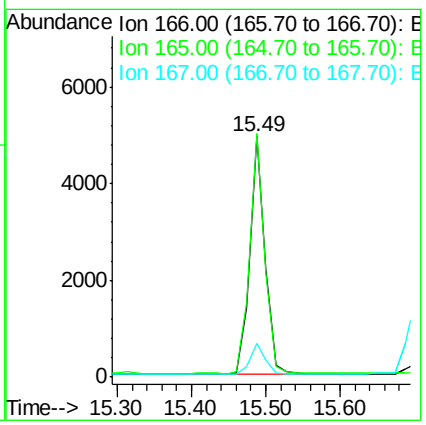


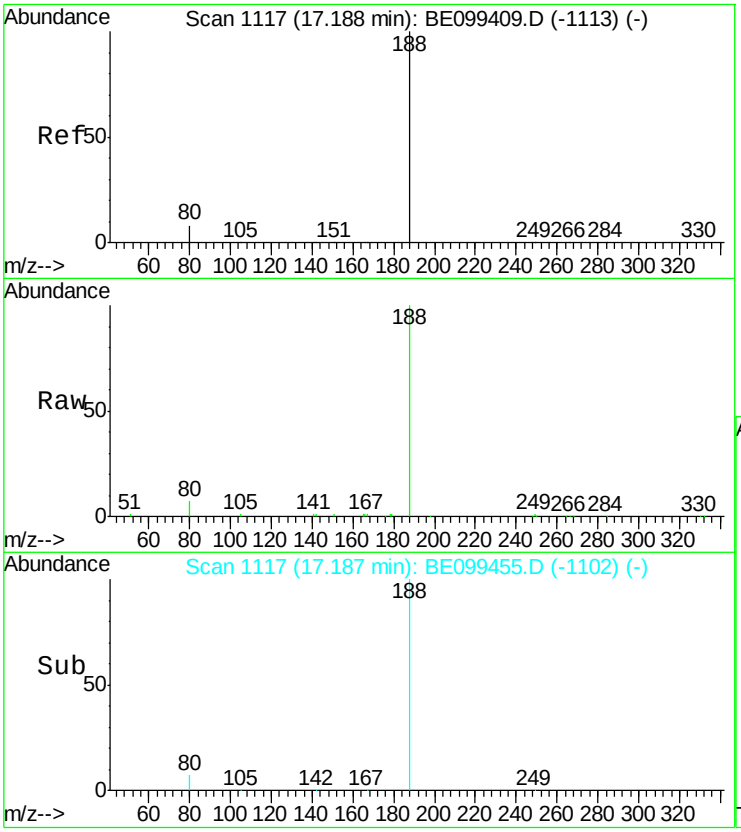


#18
Fluorene
Concen: 0.303 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:166 Resp: 7132

Ion	Ratio	Lower	Upper
166	100		
165	102.0	80.3	120.5
167	13.3	10.7	16.1



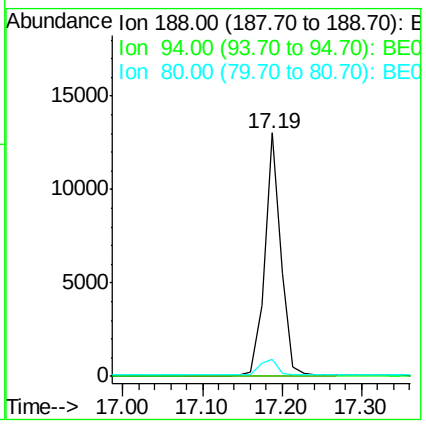


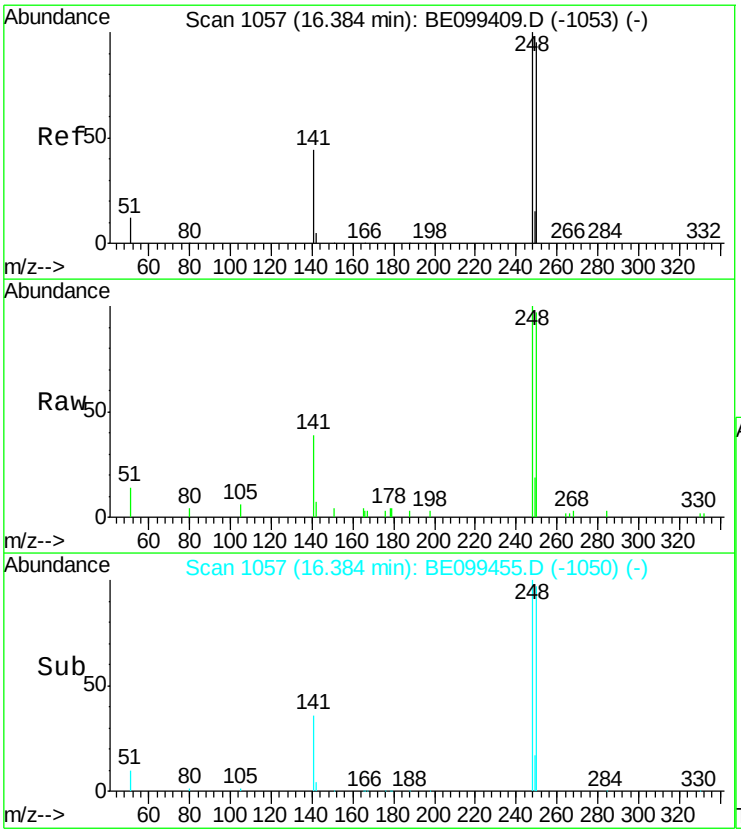
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:188 Resp: 18480

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	6.7	10.1

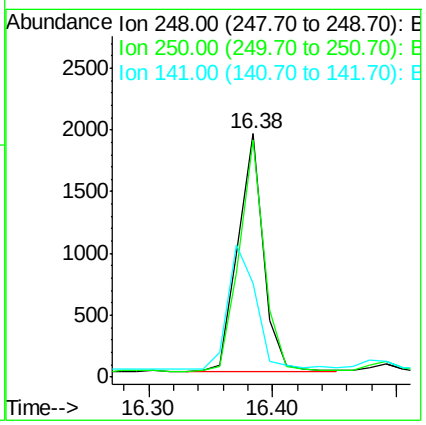


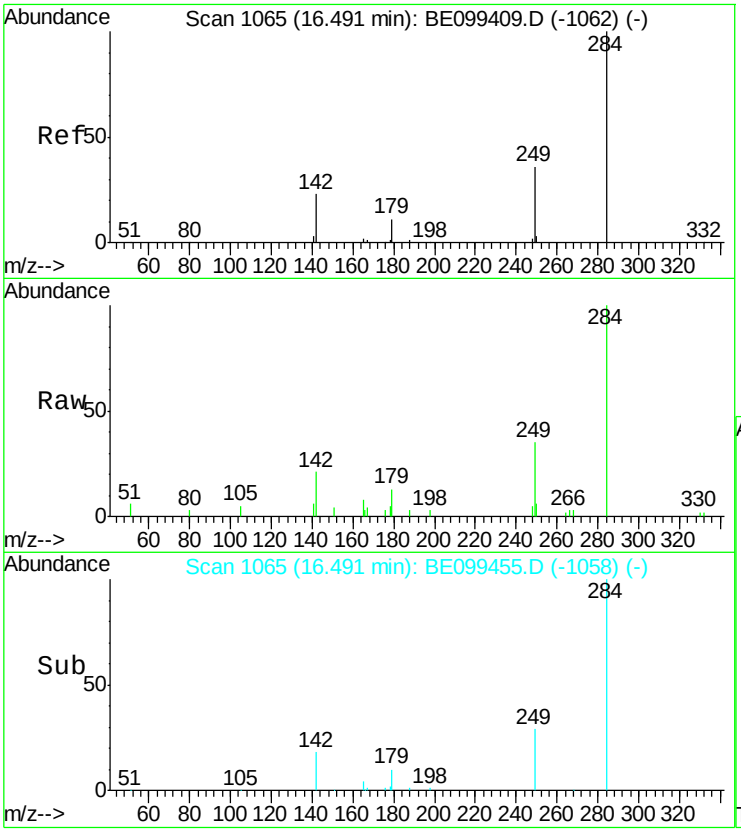


#20
4-Bromophenyl-phenylether
Concen: 0.254 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:248 Resp: 2733

Ion	Ratio	Lower	Upper
248	100		
250	97.4	75.8	113.8
141	38.7	35.7	53.5



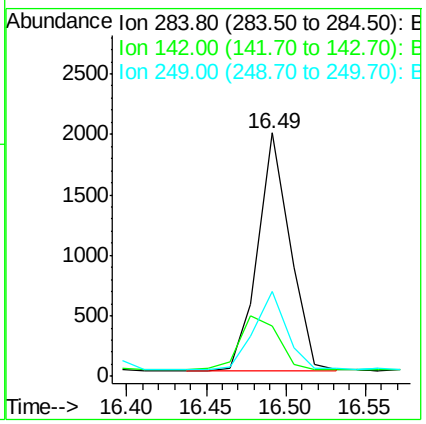


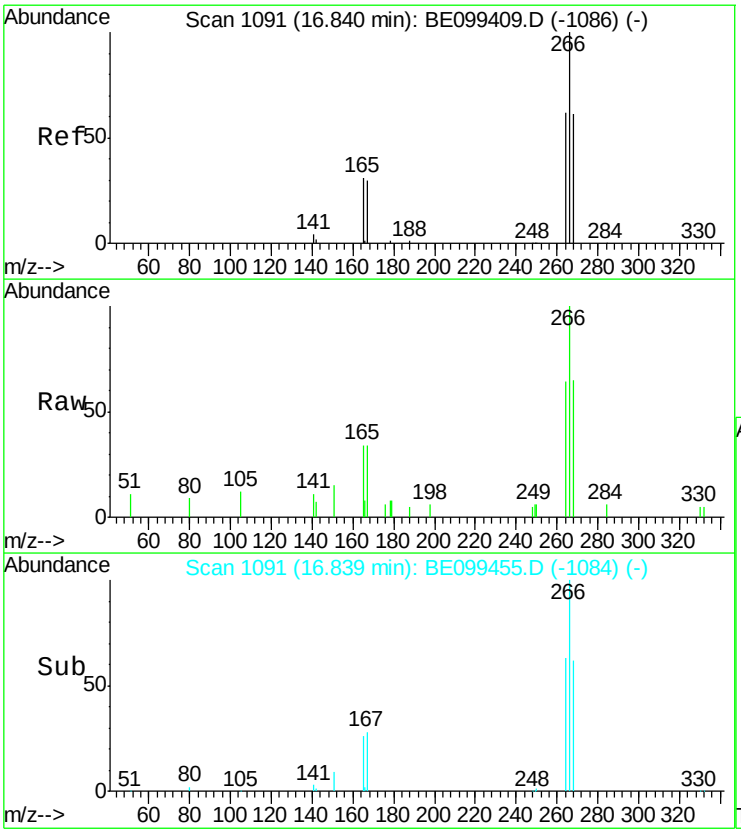
#21
Hexachlorobenzene
Concen: 0.270 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:284 Resp: 2772

Ion	Ratio	Lower	Upper
284	100		
142	27.1	21.0	31.6
249	33.7	26.7	40.1

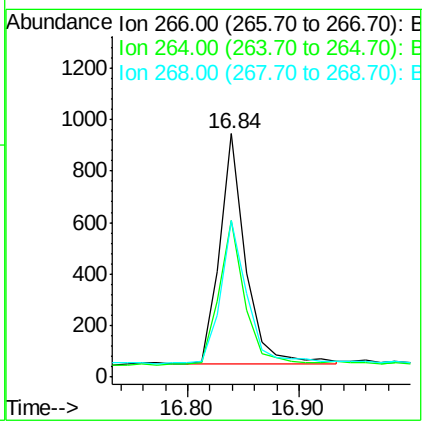


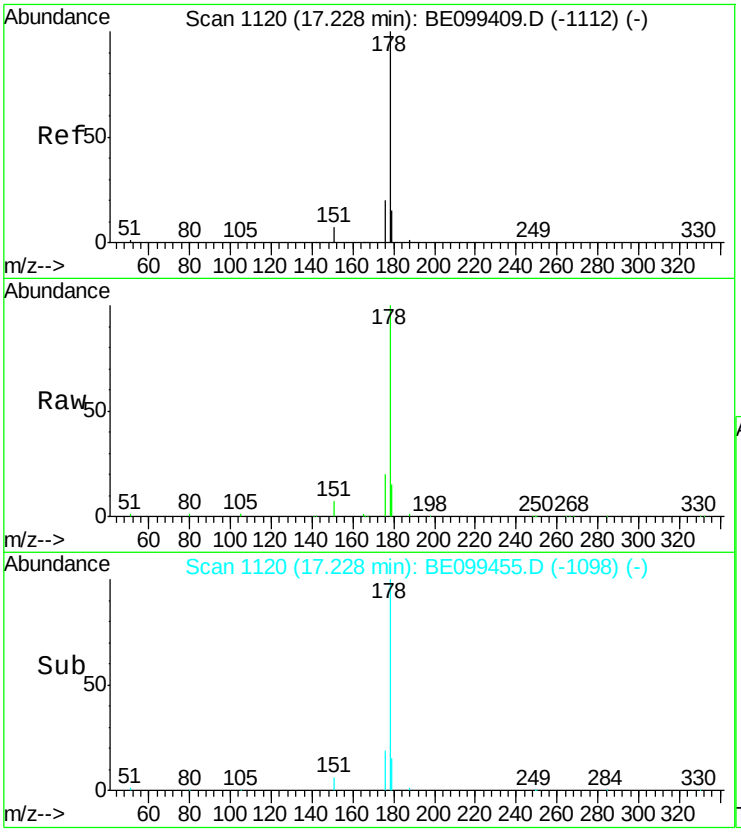


#22
Pentachlorophenol
Concen: 0.449 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:266 Resp: 1441

Ion	Ratio	Lower	Upper
266	100		
264	64.3	50.8	76.2
268	64.6	50.5	75.7



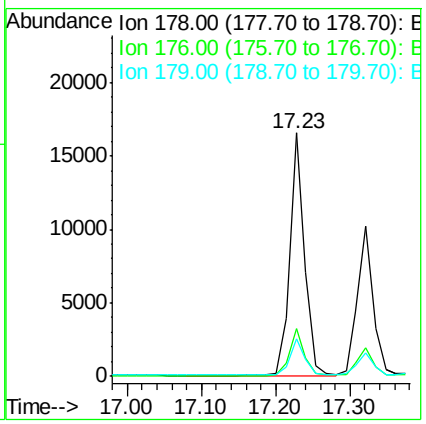


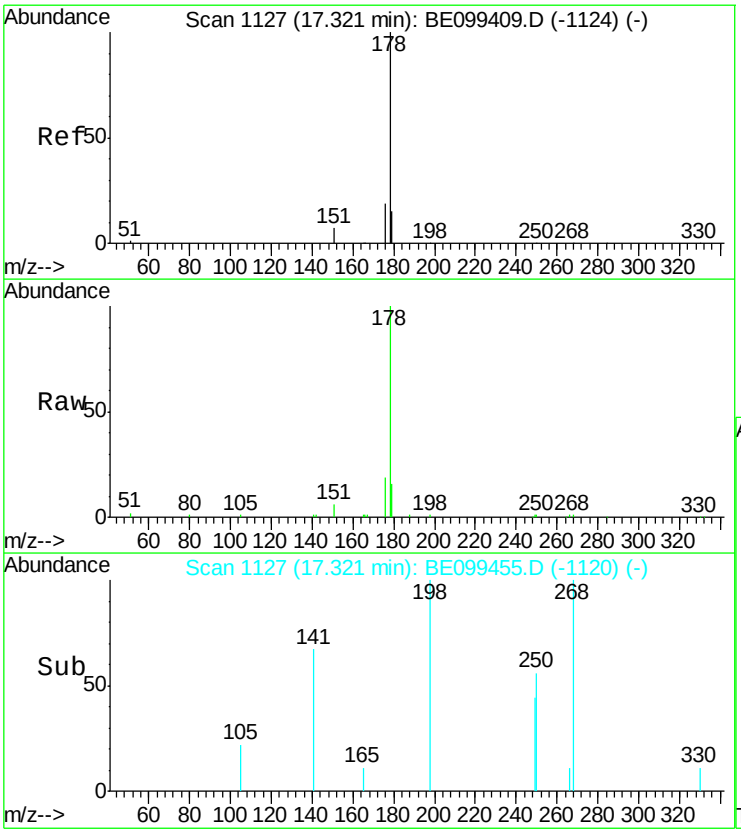
#23
Phenanthrene
Concen: 0.478 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:178 Resp: 22800

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.1	12.0	18.0

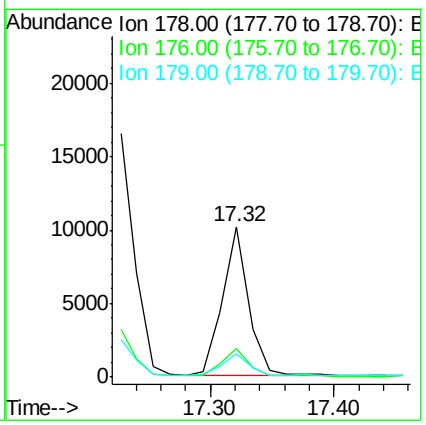


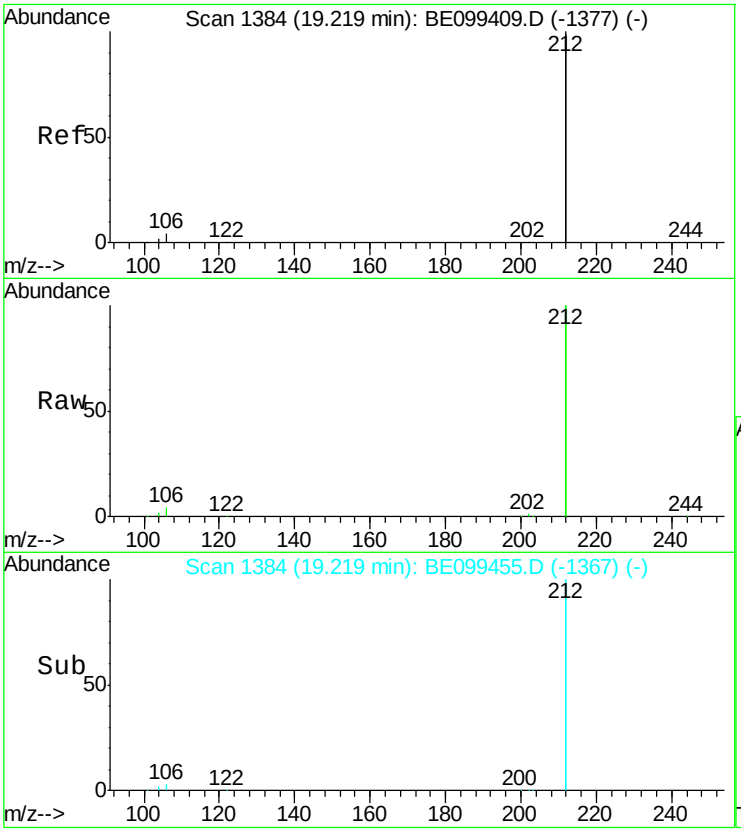


#24
Anthracene
Concen: 0.322 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:178 Resp: 14613

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.3	11.9	17.9



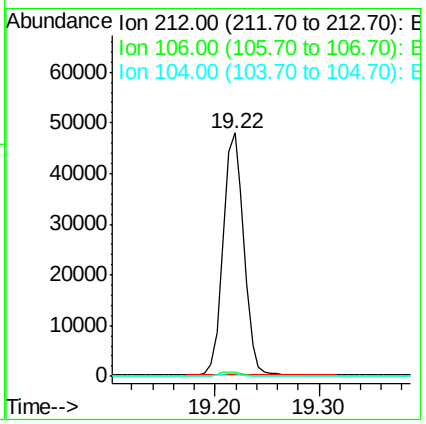


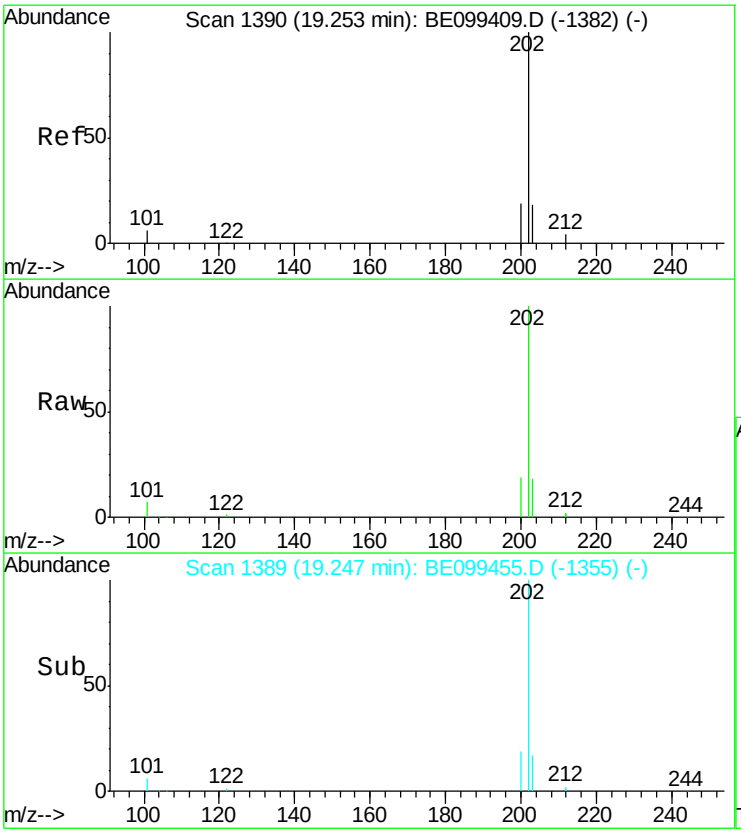
#25
Fluoranthene-d10
Concen: 0.264 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:212 Resp: 65816

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

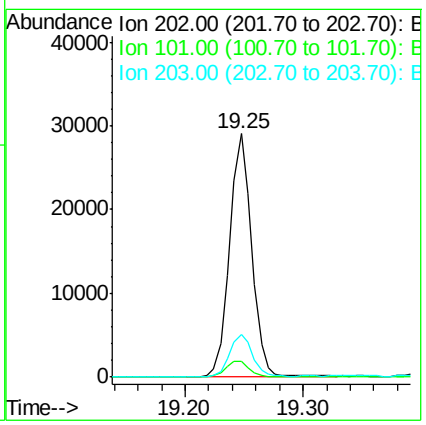


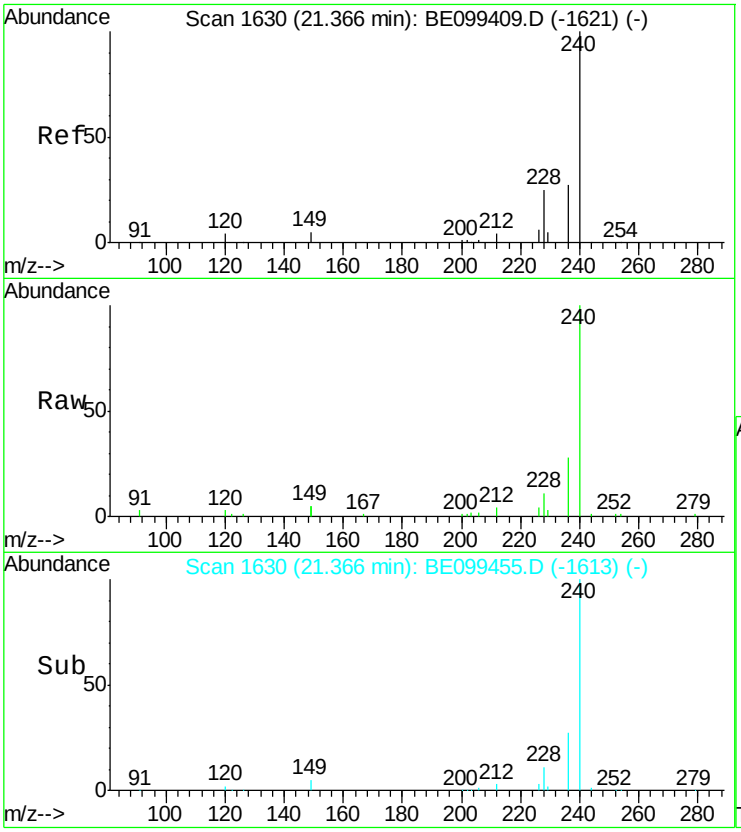


#26
Fluoranthene
Concen: 0.522 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:202 Resp: 37284

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.0
203	17.4	13.9	20.9



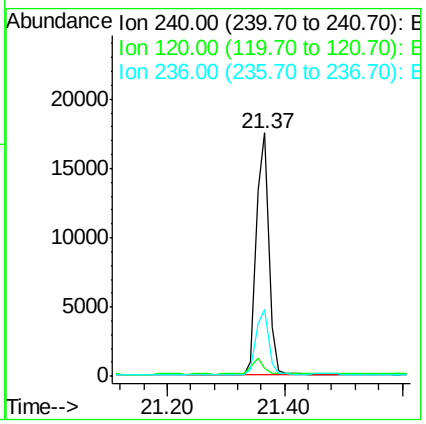


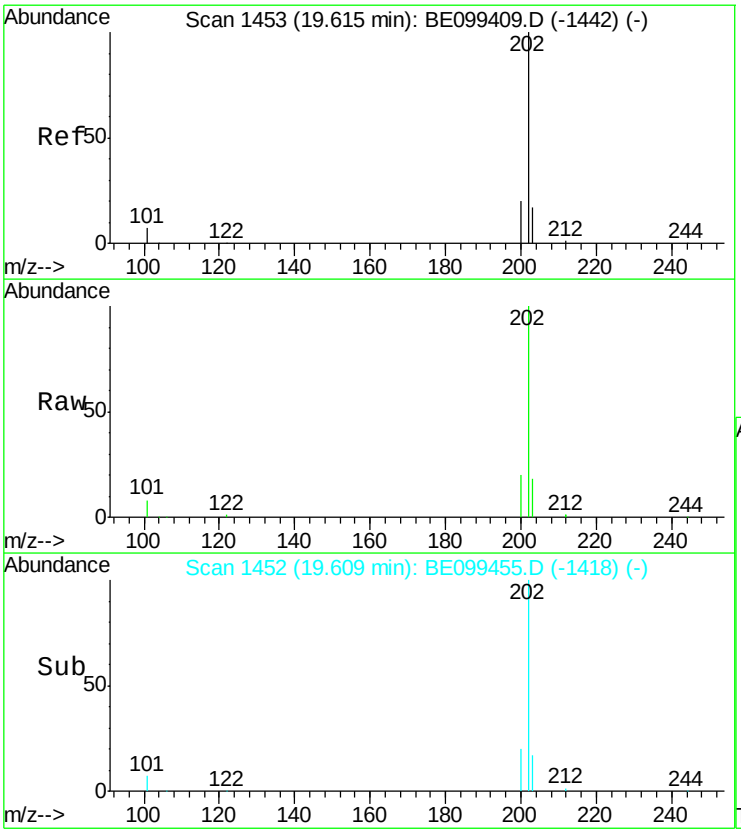
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:240 Resp: 26320

Ion	Ratio	Lower	Upper
240	100		
120	3.1	4.0	6.0#
236	27.6	22.0	33.0

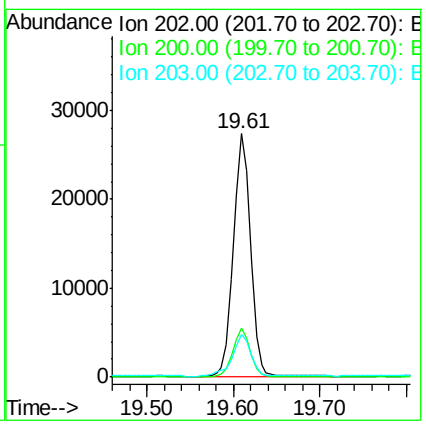


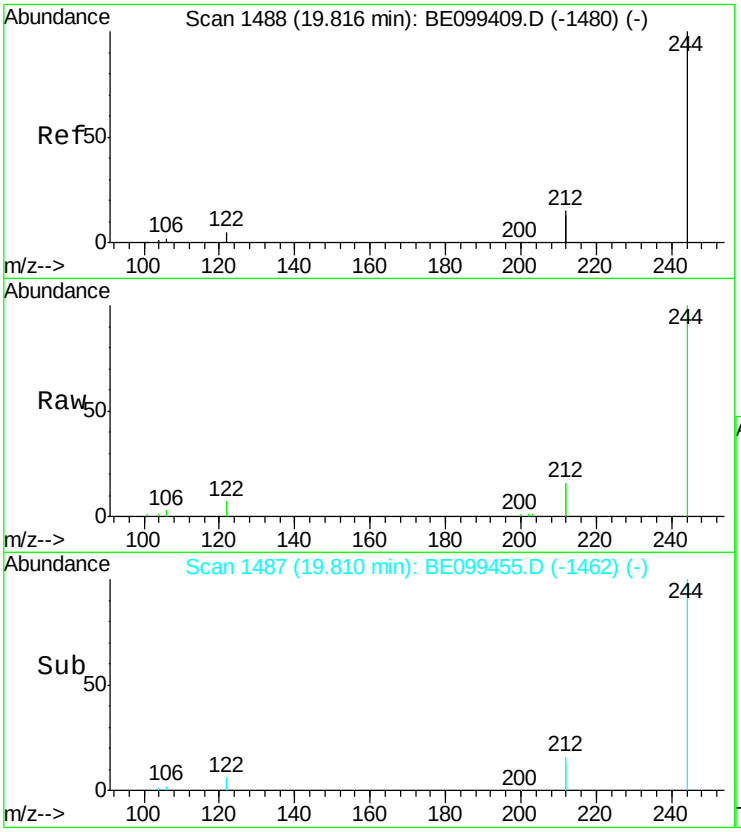


#28
Pyrene
Concen: 0.537 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:202 Resp: 36834

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	18.7	13.9	20.9



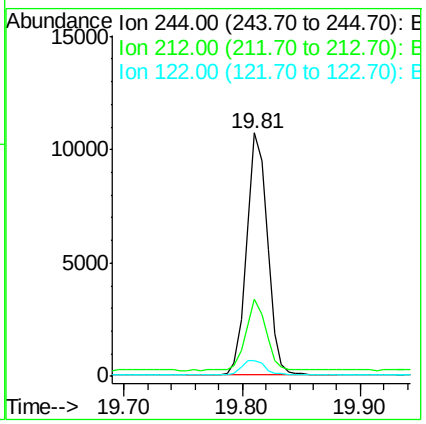


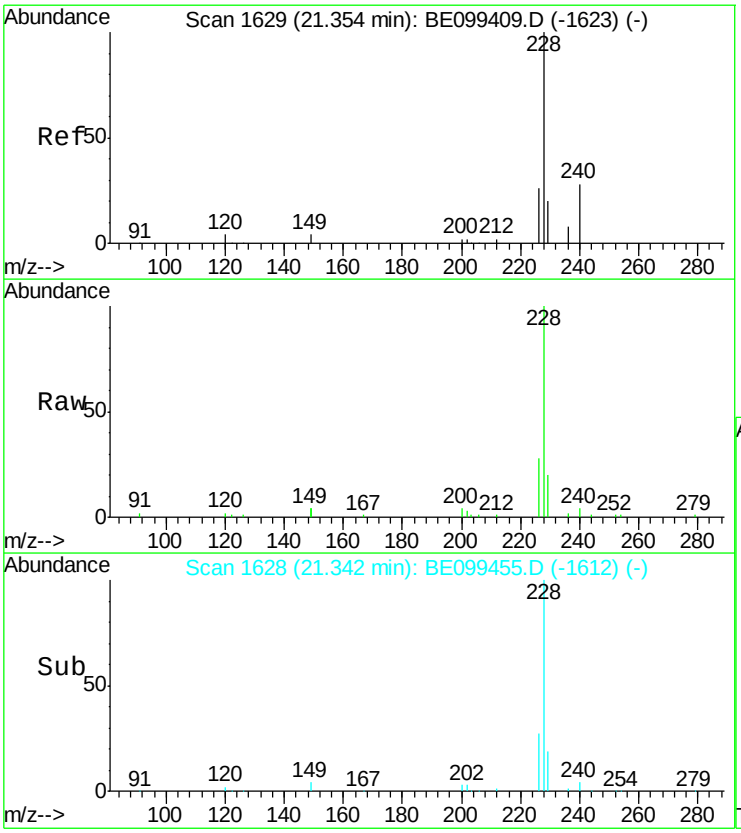
#29
Terphenyl-d14
Concen: 0.273 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:244 Resp: 13139

Ion	Ratio	Lower	Upper
244	100		
212	31.5	23.2	34.8
122	6.6	4.2	6.4#

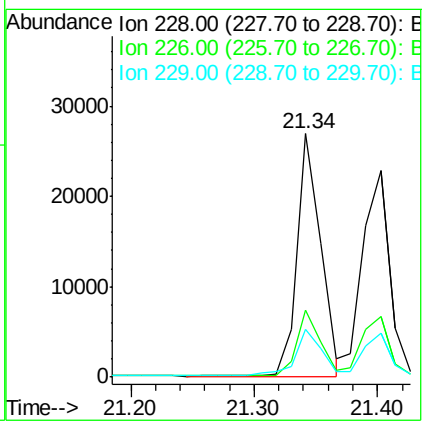


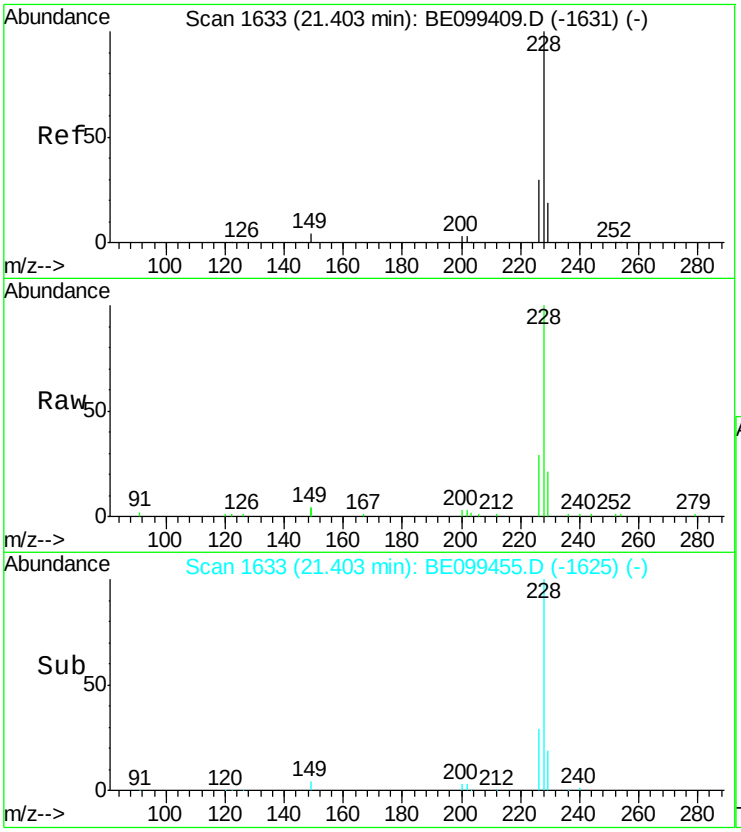


#30
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:228 Resp: 35624

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.0	31.6
229	19.8	16.6	25.0



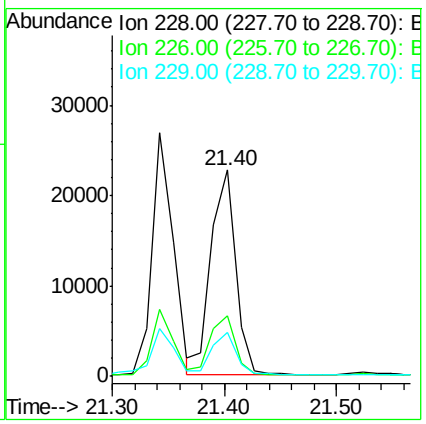


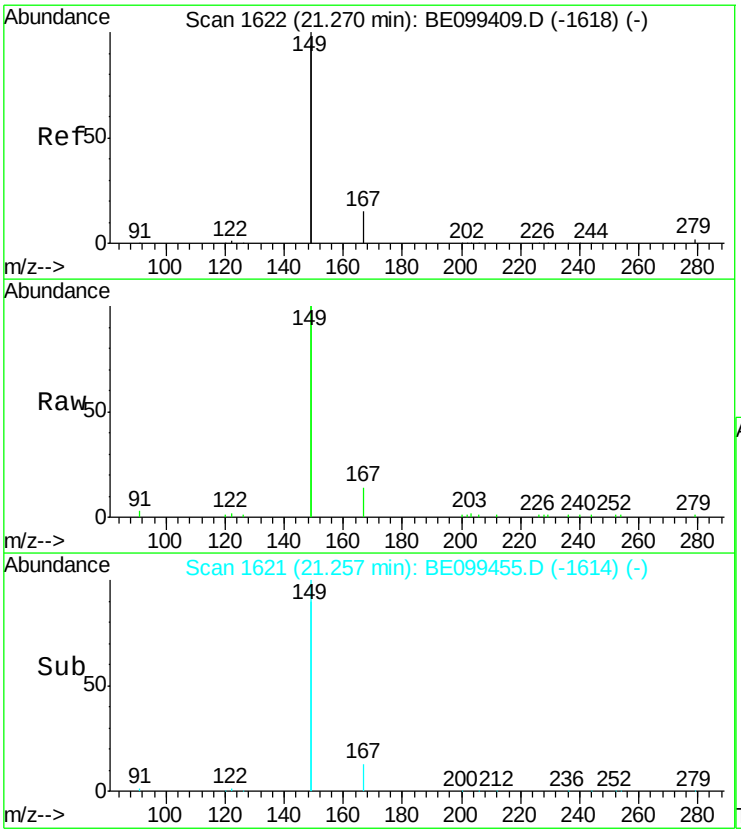
#31
Chrysene
Concen: 0.422 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:228 Resp: 34618

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	21.2	15.8	23.8

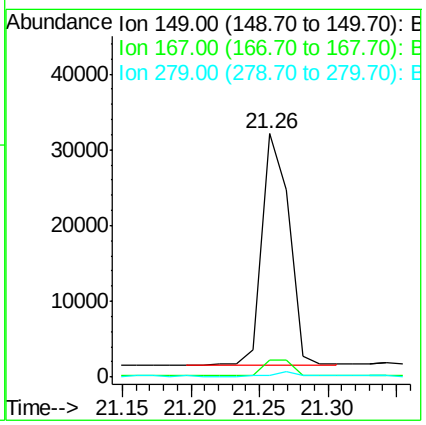


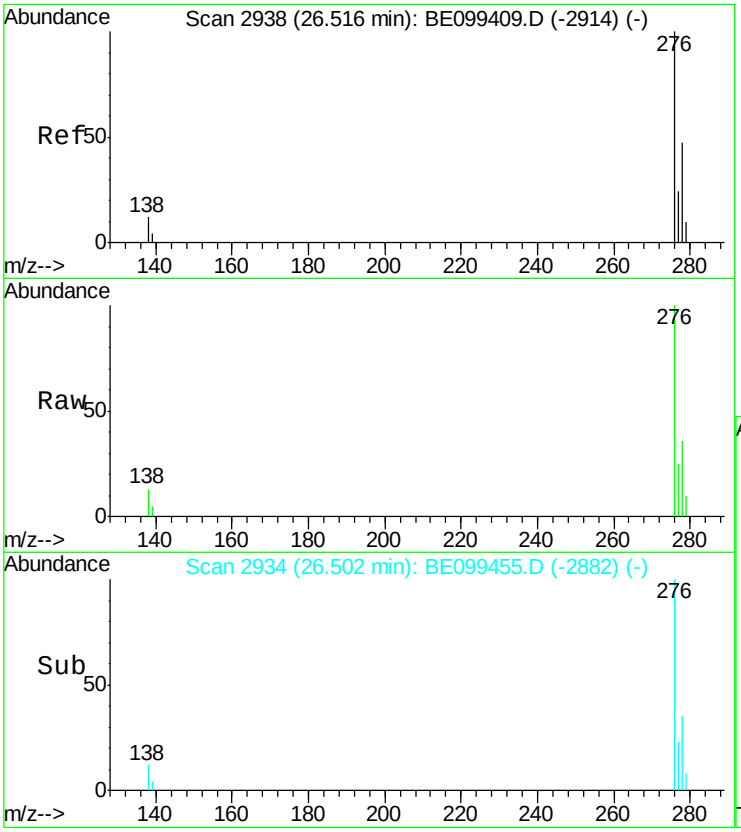


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.279 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:149 Resp: 41458

Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.8	8.6
279	1.5	1.0	1.6



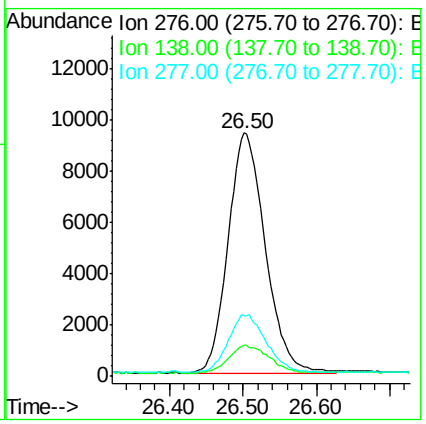


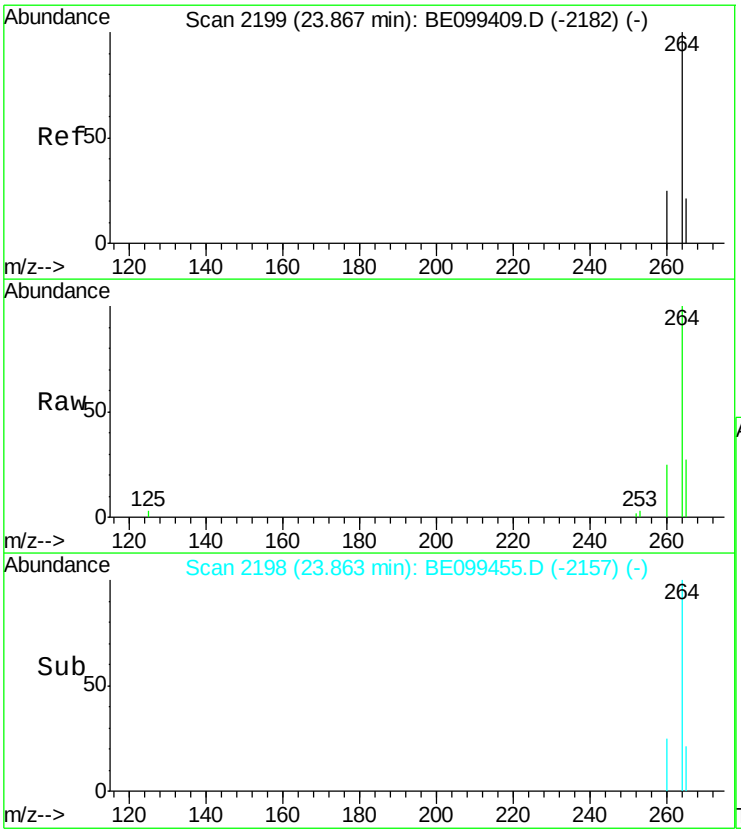
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.339 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:276 Resp: 32924

Ion	Ratio	Lower	Upper
276	100		
138	12.3	10.2	15.2
277	24.3	19.2	28.8

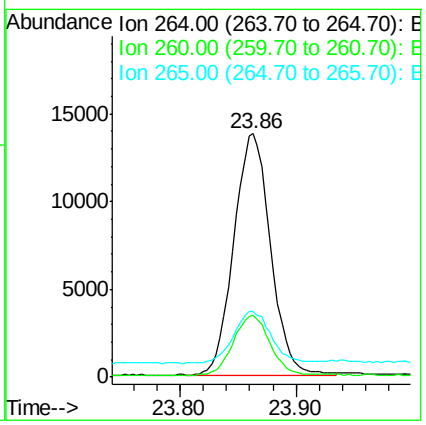


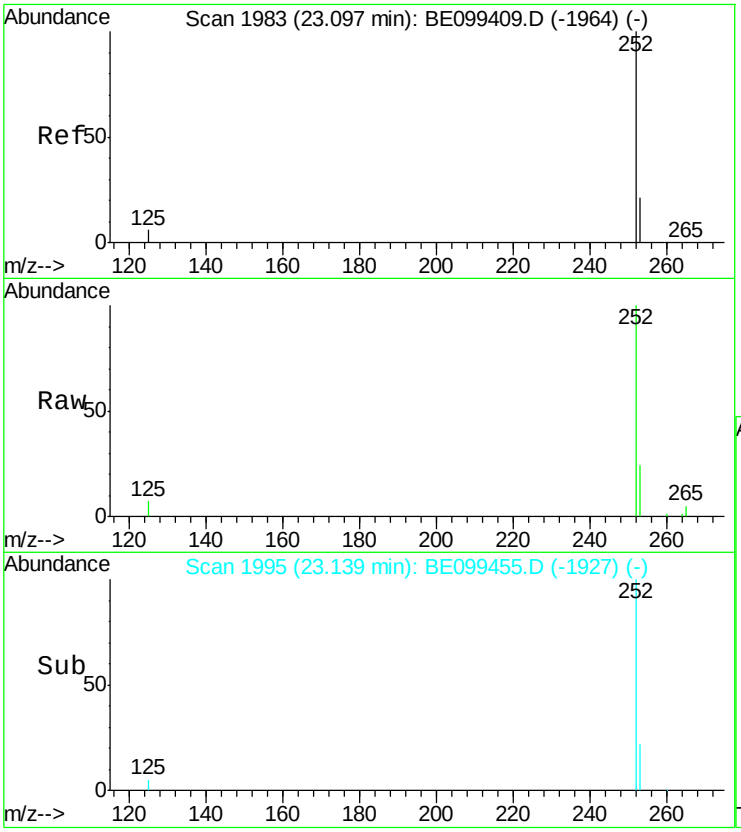


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:264 Resp: 30149

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.2
265	27.0	21.3	31.9



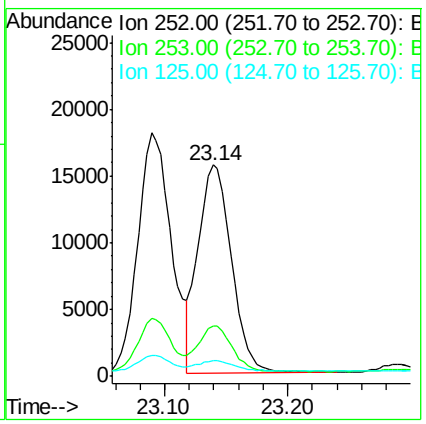


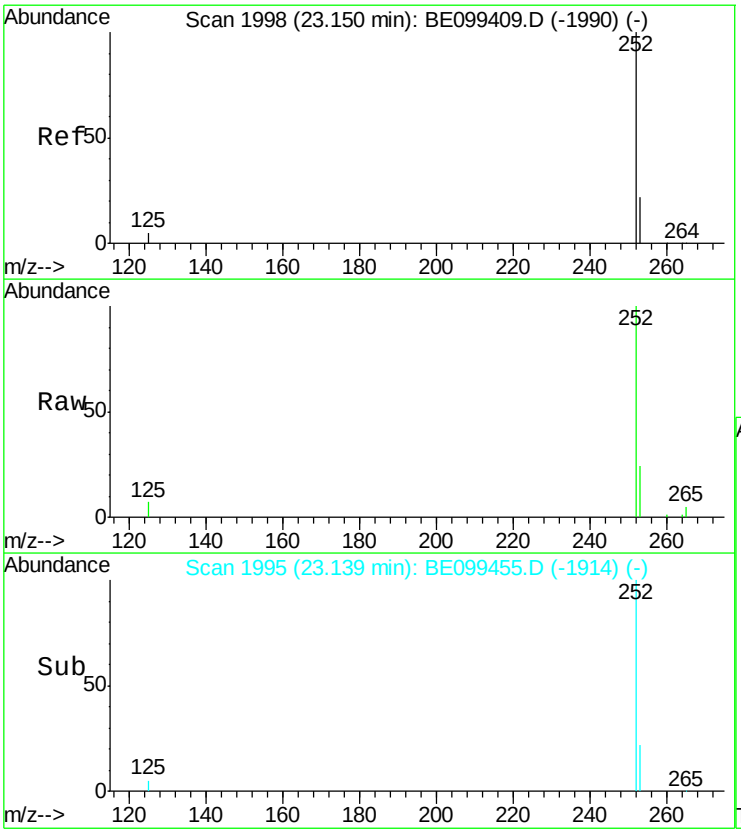
#35
Benzo(b)fluoranthene
Concen: 0.337 ng
RT: 23.14 min Scan# 1995
Delta R.T. 0.04 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:252 Resp: 29296

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	7.5	5.6	8.4

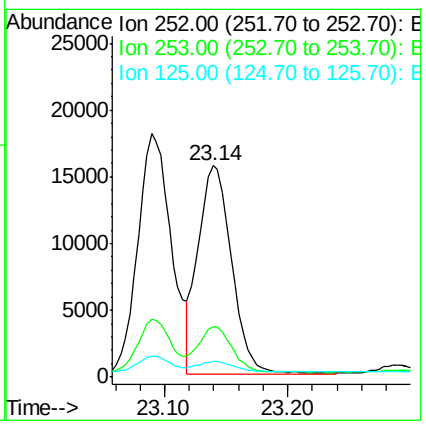


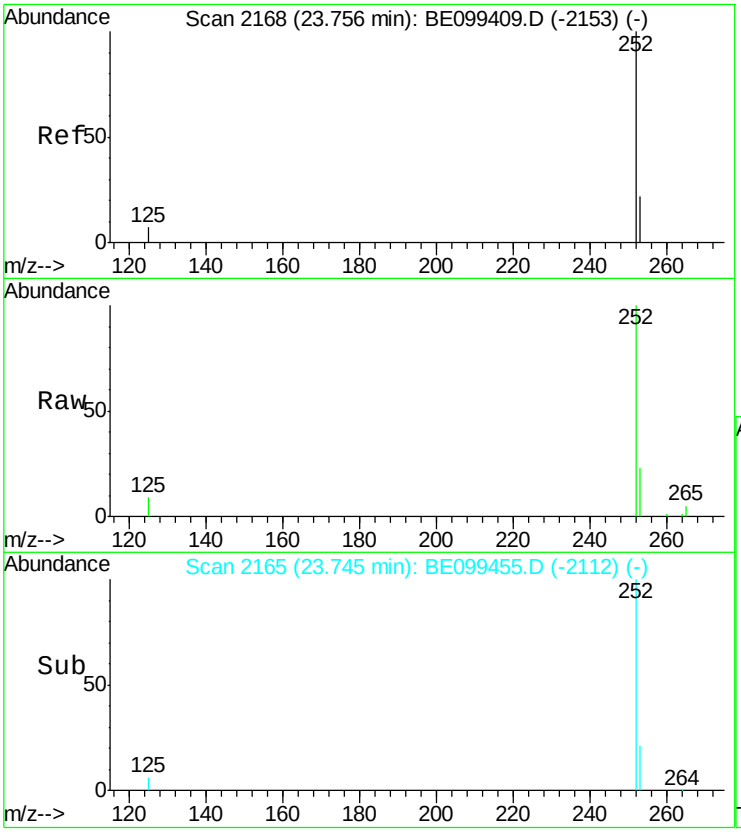


#36
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:252 Resp: 29536

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	7.5	5.0	7.4#



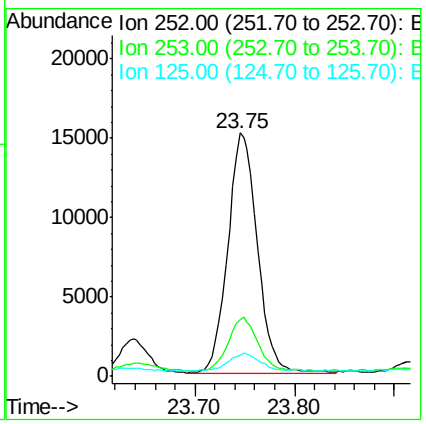


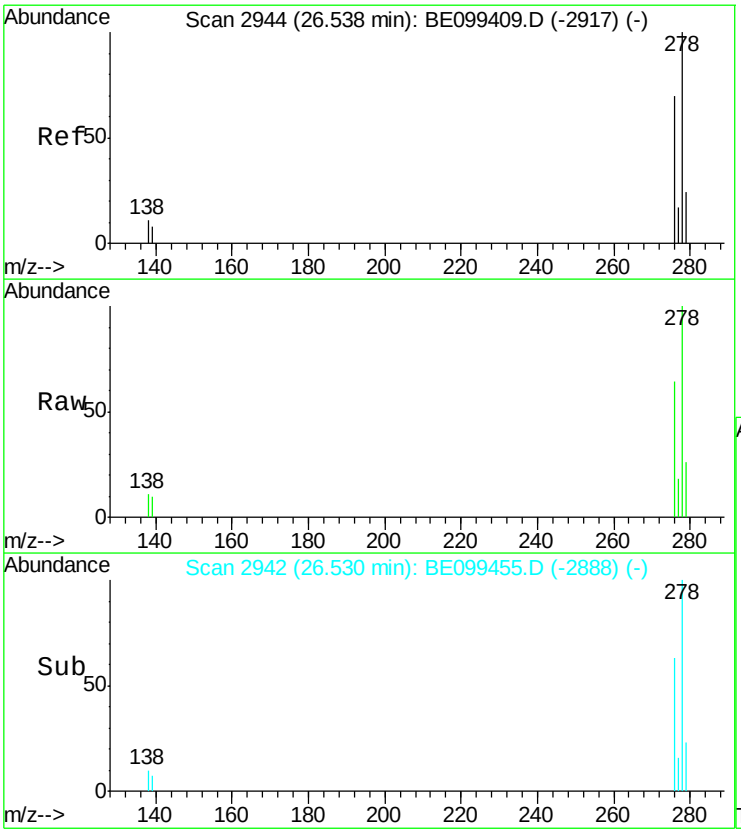
#37
Benzo(a)pyrene
Concen: 0.377 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:252 Resp: 31020

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	8.6	6.7	10.1

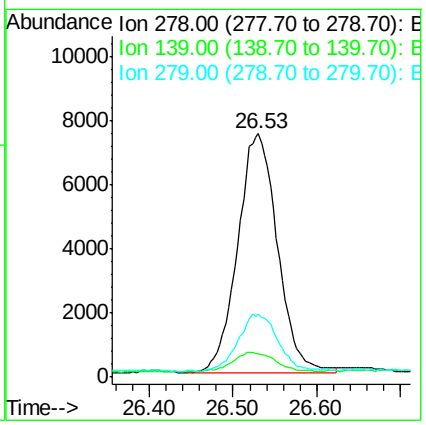


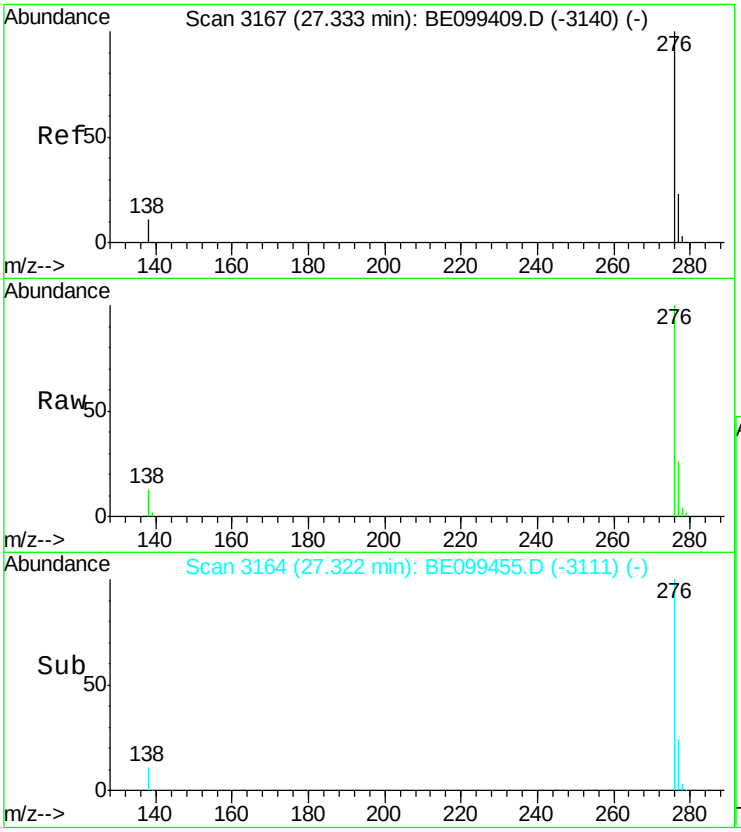


#38
Dibenzo(a,h)anthracene
Concen: 0.293 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

Tgt Ion:278 Resp: 24626

Ion	Ratio	Lower	Upper
278	100		
139	9.6	7.7	11.5
279	25.7	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.333 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE099455.D
Acq: 1 May 2019 9:41

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

Tgt Ion:276 Resp: 28070

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.5	29.3
138	12.6	9.6	14.4