Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
Data File : BE099494.D
Acq On : 2 May 2019 15:42
Operator : JU/SJ
Sample : K2589-15MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 03 02:09:44 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	2142	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	6814	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	4673	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	14721	0.40	ng		0.00
27) Chrysene-d12	21.37	240	23901	0.40	ng		0.00
34) Perylene-d12	23.87	264	27575	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1549	0.26	ng		0.00
5) Phenol-d6	6.97	99	2145	0.27	ng		0.00
8) Nitrobenzene-d5	8.97	82	1769	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	3612	0.29	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1035	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	4395	0.25	ng		-0.01
25) Fluoranthene-d10	19.22	212	52989	0.27	ng		0.00
29) Terphenyl-d14	19.82	244	11436	0.26	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	630	0.214	ng	#	59
3) n-Nitrosodimethylamine	3.63	42	538	0.303	ng	#	89
6) bis(2-Chloroethyl)ether	7.23	93	1613	0.237	ng		99
9) Naphthalene	10.65	128	20244	0.273	ng		100
10) Hexachlorobutadiene	10.93	225	1360	0.263	ng		96
12) 2-Methylnaphthalene	12.27	142	3404	0.264	ng		95
16) Acenaphthylene	14.18	152	6313	0.276	ng		97
17) Acenaphthene	14.51	154	3398	0.260	ng		98
18) Fluorene	15.49	166	5158	0.268	ng		99
20) 4-Bromophenyl-phenylether	16.39	248	2156	0.252	ng		95
21) Hexachlorobenzene	16.49	284	1947	0.238	ng		98
22) Pentachlorophenol	16.84	266	2177	0.659	ng		95
23) Phenanthrene	17.23	178	12222	0.322	ng		99
24) Anthracene	17.32	178	10201	0.282	ng		99
26) Fluoranthene	19.25	202	19100	0.336	ng		100
28) Pyrene	19.61	202	20591	0.331	ng		99
30) Benzo(a)anthracene	21.35	228	24085	0.316	ng		100
31) Chrysene	21.40	228	23641	0.317	ng		99
32) Bis(2-ethylhexyl)phthalate	21.27	149	46734	0.363	ng		99
33) Indeno(1,2,3-cd)pyrene	26.52	276	27363	0.311	ng	#	94
35) Benzo(b)fluoranthene	23.15	252	23701	0.298	ng		98
36) Benzo(k)fluoranthene	23.15	252	23701	0.309	ng	#	98
37) Benzo(a)pyrene	23.76	252	22801	0.303	ng	#	96
38) Dibenzo(a,h)anthracene	26.54	278	22601	0.294	ng		99
39) Benzo(g,h,i)perylene	27.34	276	23455	0.304	ng		99

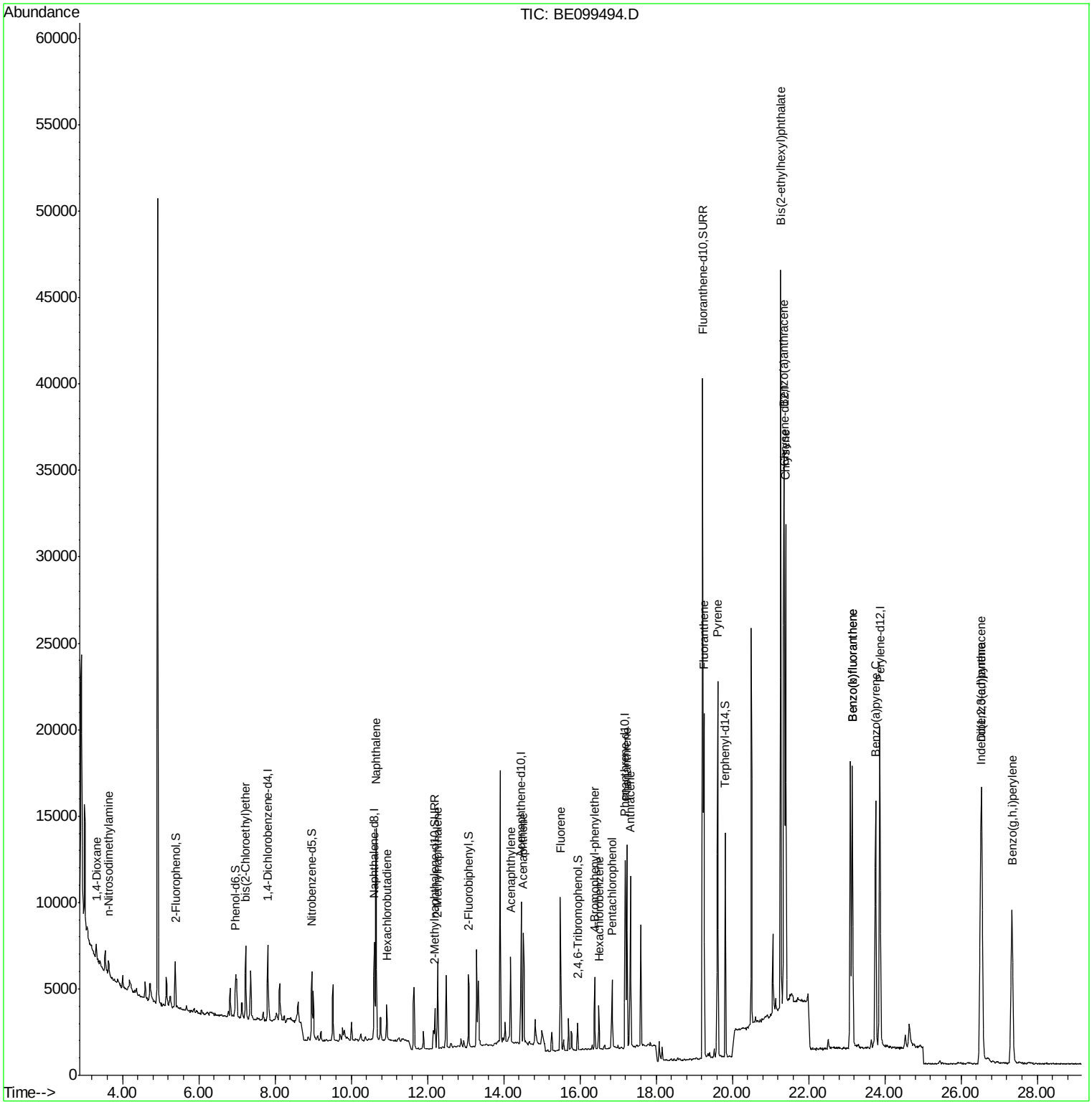
(#) = qualifier out of range (m) = manual integration (+) = signals summed

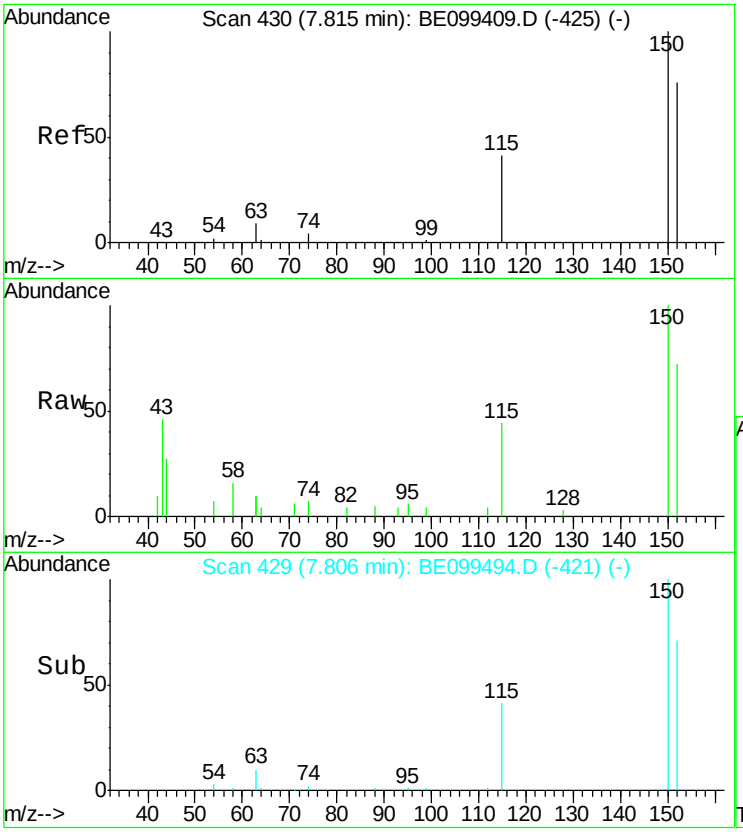
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
Data File : BE099494.D
Acq On : 2 May 2019 15:42
Operator : JU/SJ
Sample : K2589-15MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 03 02:09:44 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



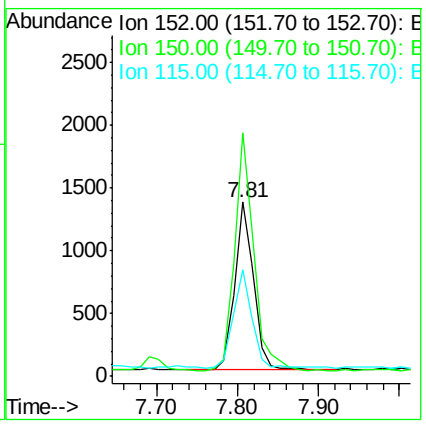


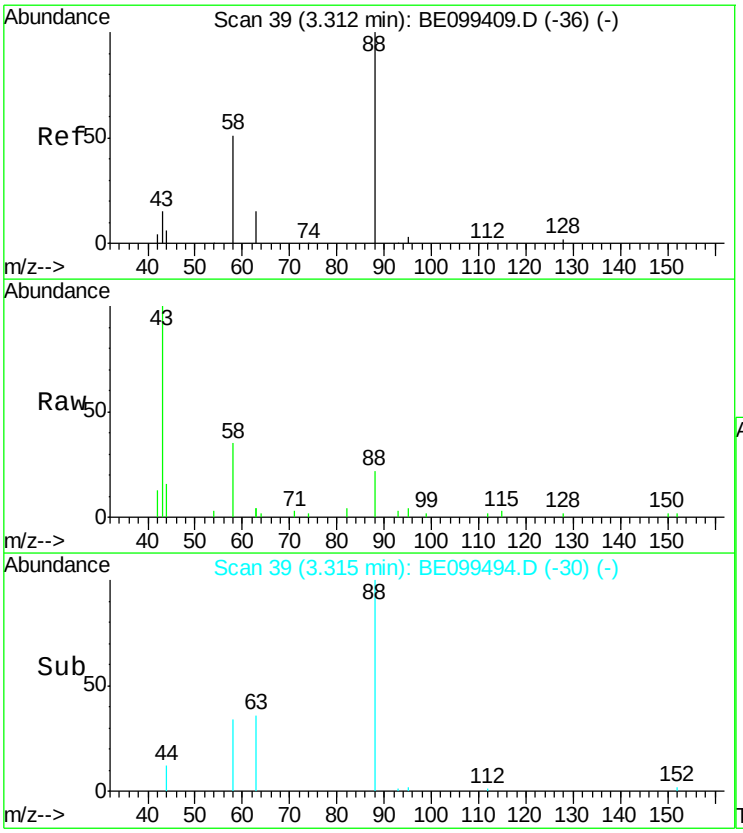
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:152 Resp: 2142

Ion	Ratio	Lower	Upper
152	100		
150	139.6	104.8	157.2
115	61.5	46.6	69.8

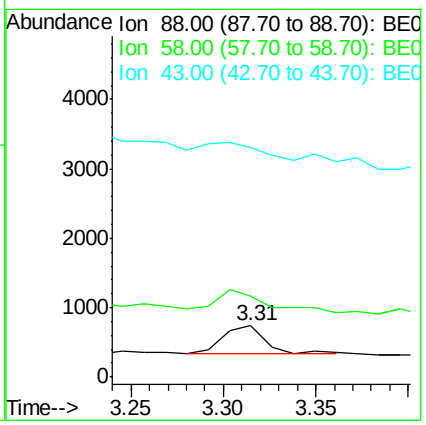


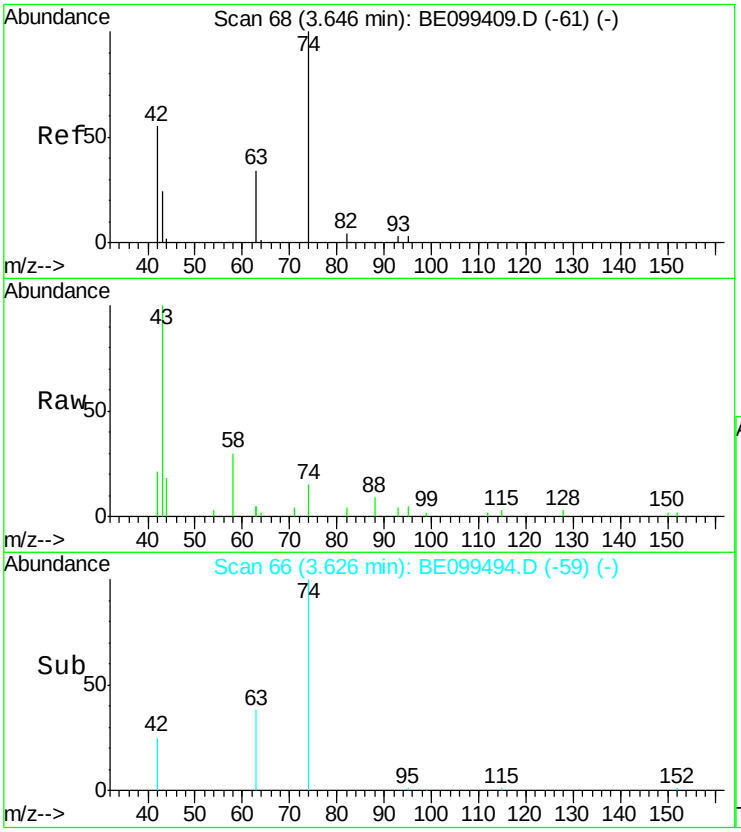


#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion: 88 Resp: 630

Ion	Ratio	Lower	Upper
88	100		
58	92.9	51.0	76.6#
43	0.0	20.6	30.8#



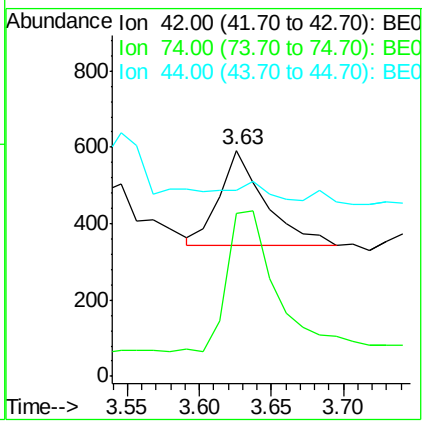


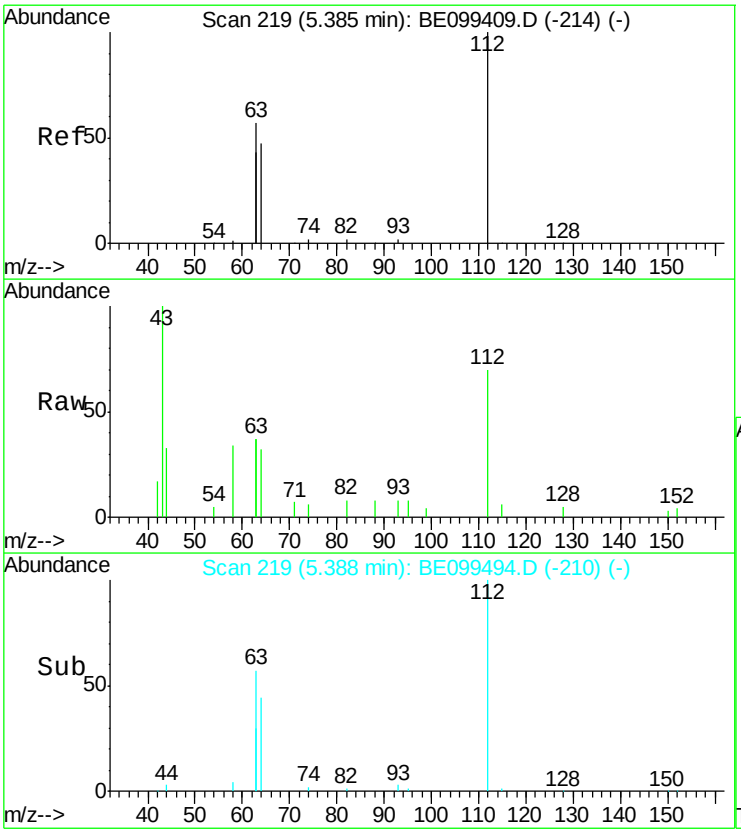
#3
n-Nitrosodimethylamine
Concen: 0.303 ng
RT: 3.63 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion: 42 Resp: 538

Ion	Ratio	Lower	Upper
42	100		
74	161.3	141.6	212.4
44	8.9	0.0	0.0#

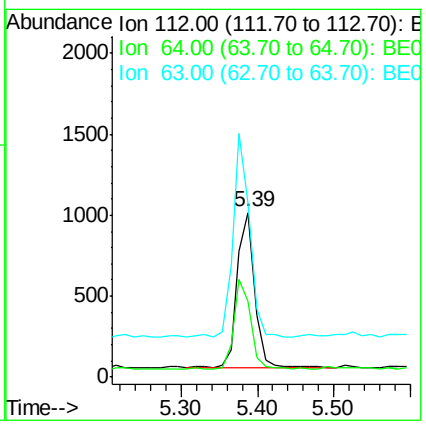


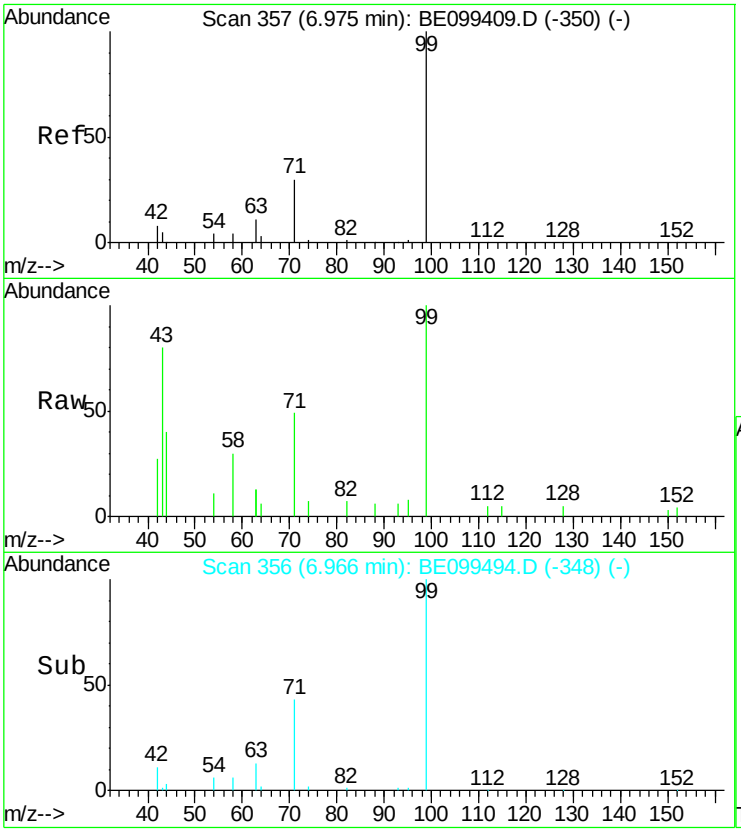


#4
2-Fluorophenol
Concen: 0.262 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:112 Resp: 1549

Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.4	71.0
63	126.5	104.3	156.5



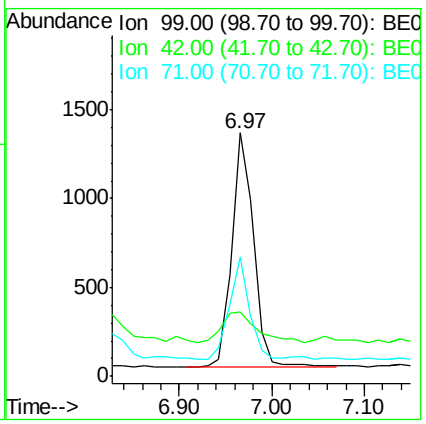


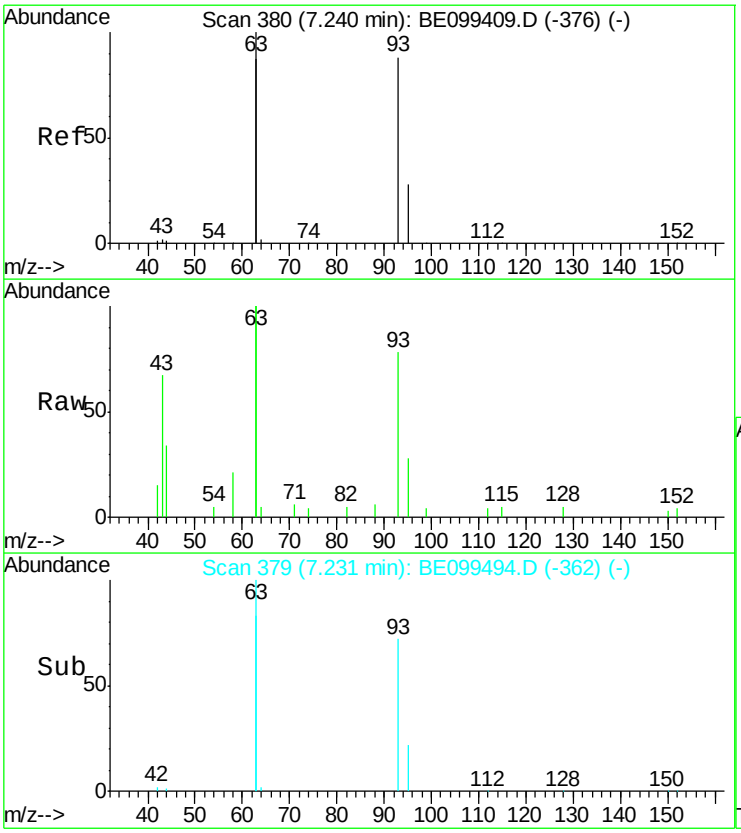
#5
Phenol-d6
Concen: 0.272 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion: 99 Resp: 2145

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.9	22.3
71	40.6	33.0	49.6

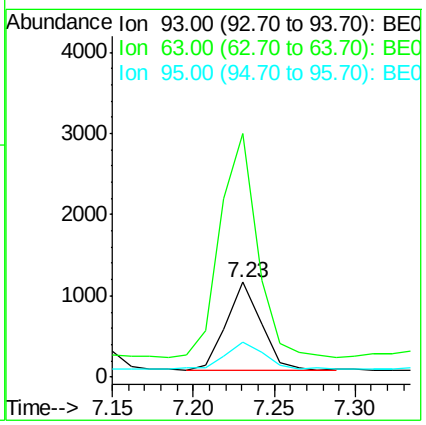


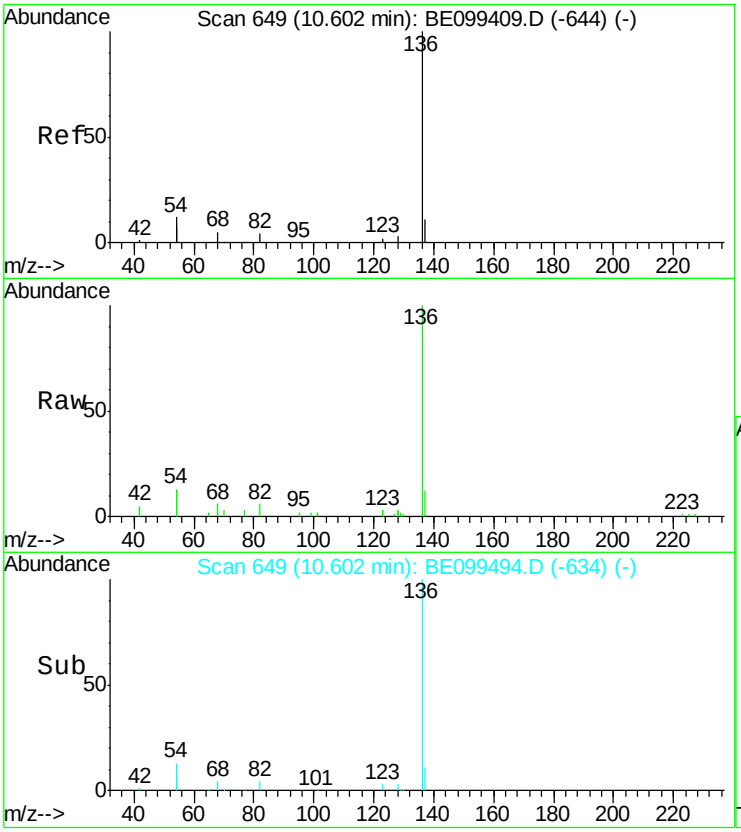


#6
bis(2-Chloroethyl)ether
Concen: 0.237 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion: 93 Resp: 1613

Ion	Ratio	Lower	Upper
93	100		
63	269.4	215.6	323.4
95	36.0	26.2	39.2



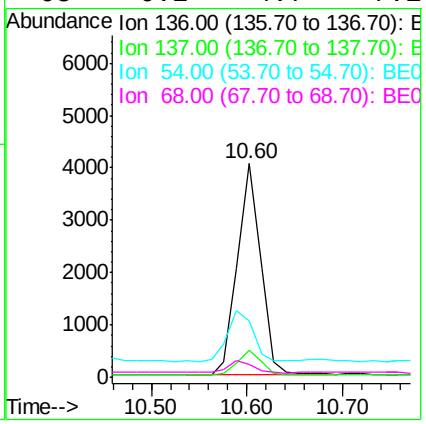


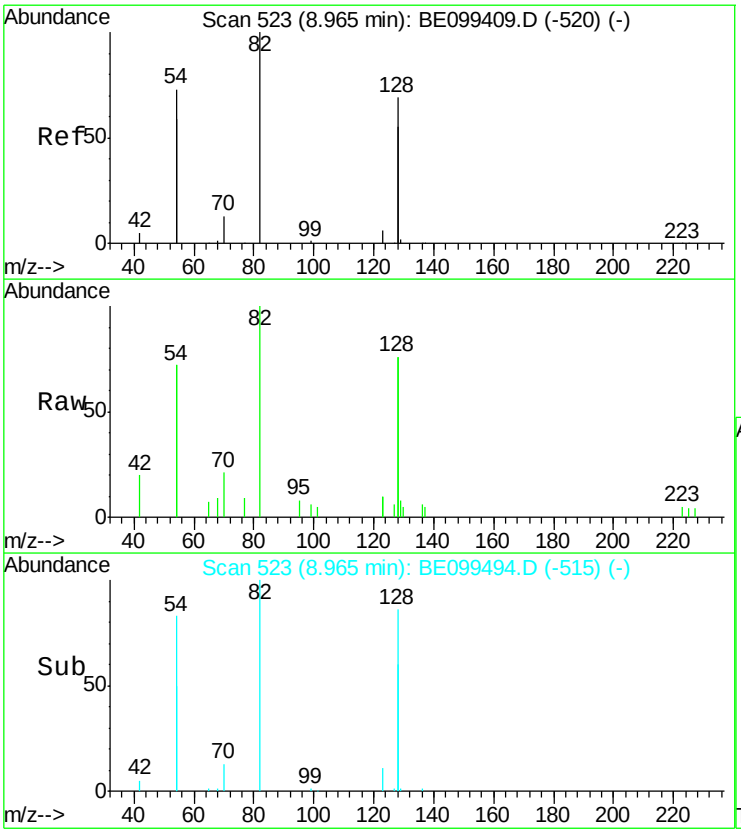
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:136 Resp: 6814

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	26.3	18.5	27.7
68	6.2	4.7	7.1

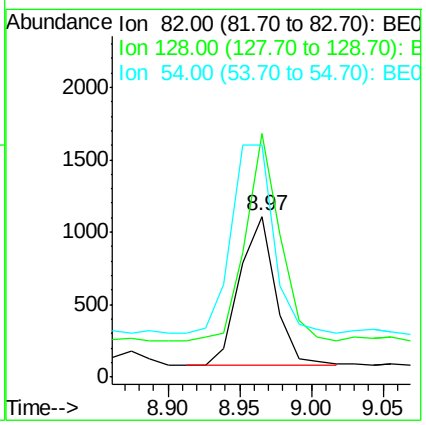


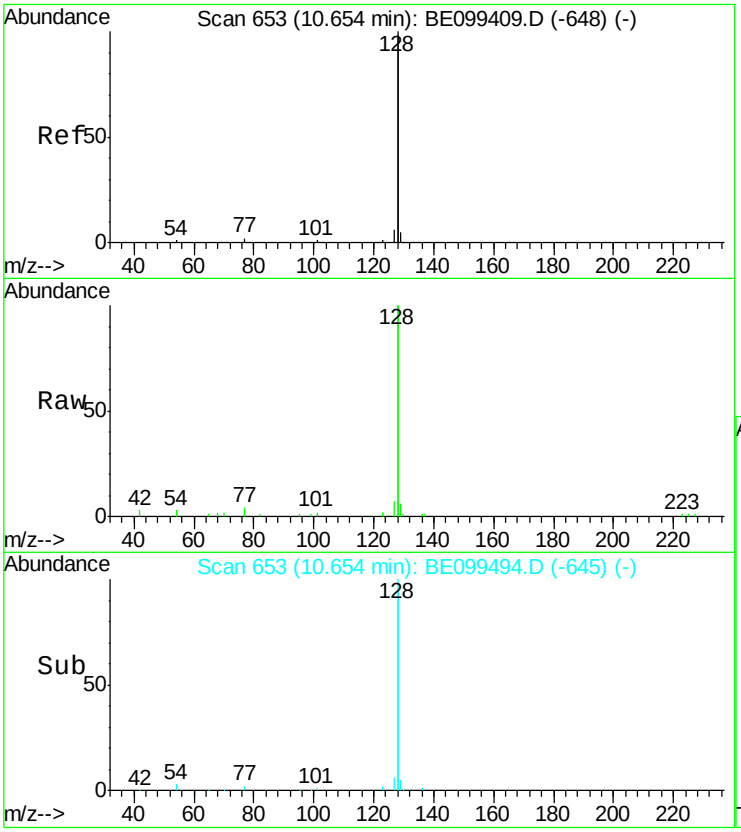


#8
Nitrobenzene-d5
Concen: 0.277 ng
RT: 8.97 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion: 82 Resp: 1769

Ion	Ratio	Lower	Upper
82	100		
128	151.5	107.0	160.4
54	144.8	113.1	169.7



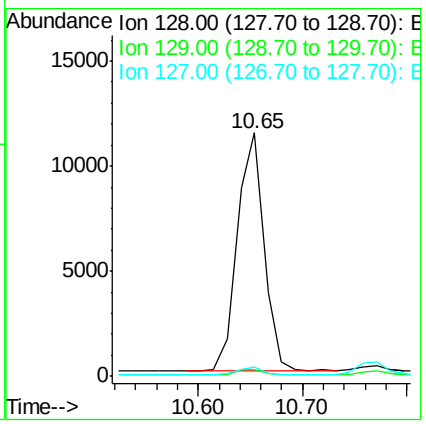


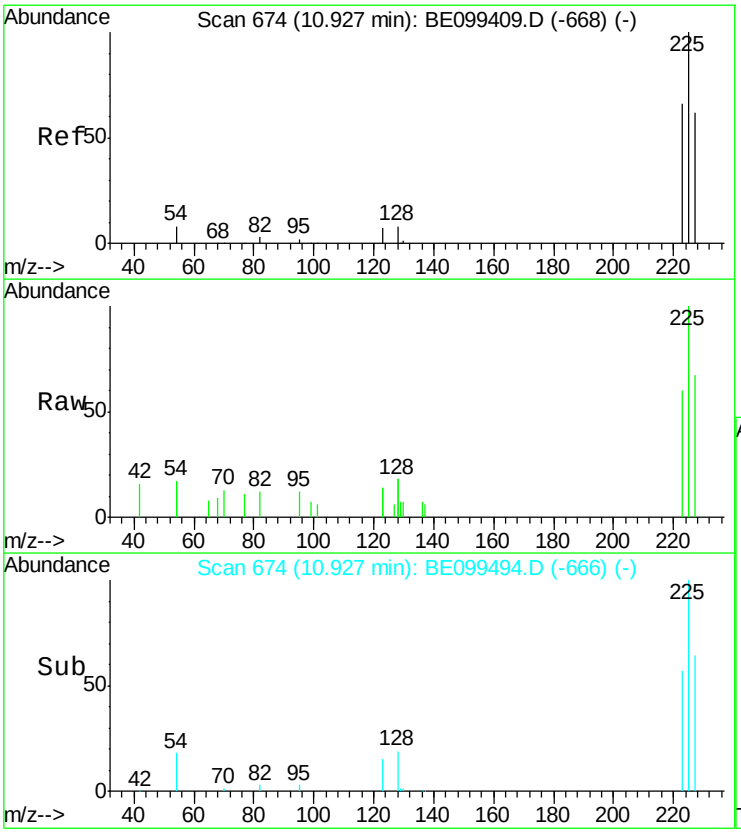
#9
Naphthalene
Concen: 0.273 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:128 Resp: 20244

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.6	2.8	4.2

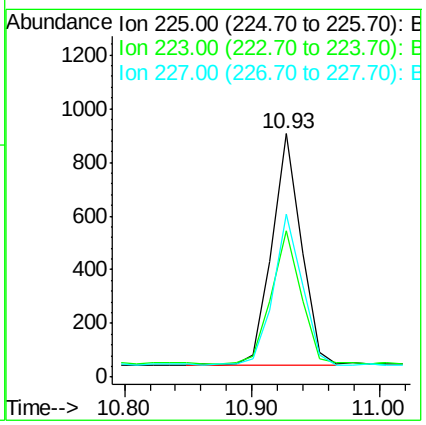


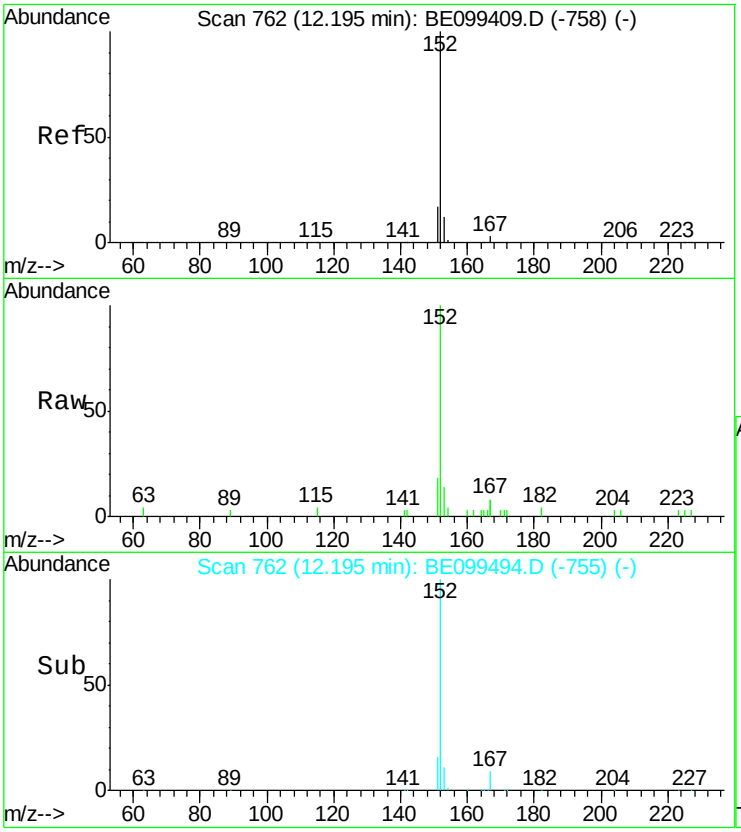


#10
Hexachlorobutadiene
Concen: 0.263 ng
RT: 10.93 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:225 Resp: 1360

Ion	Ratio	Lower	Upper
225	100		
223	58.2	51.0	76.6
227	64.3	50.9	76.3



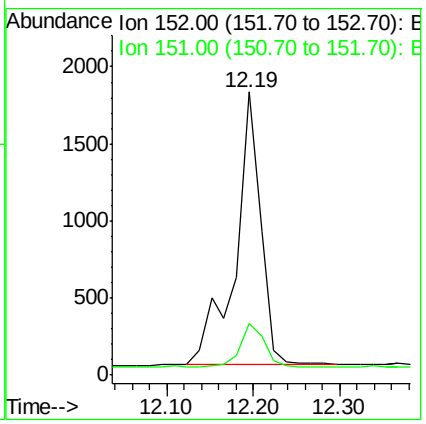


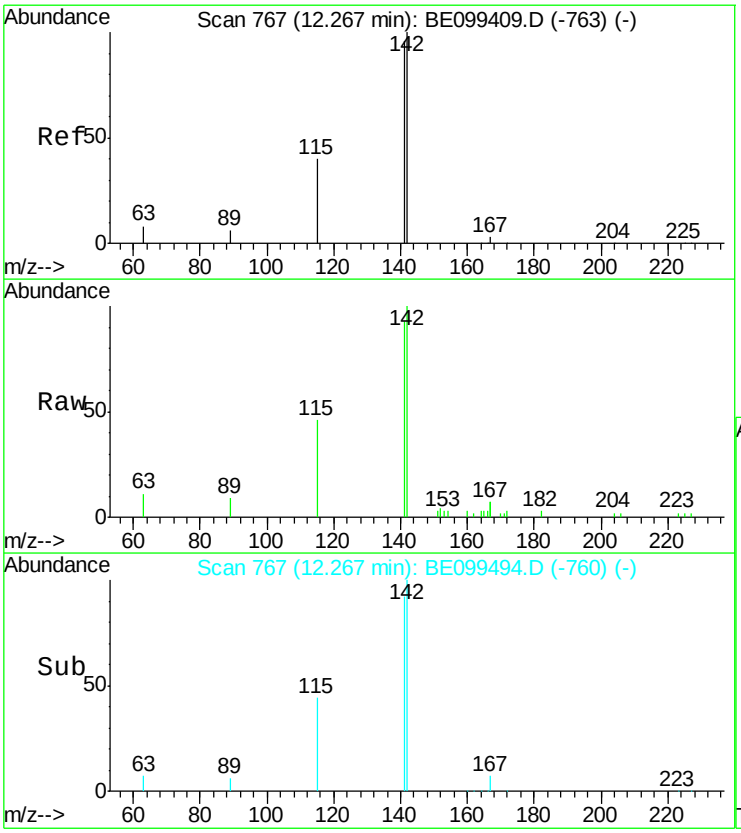
#11
2-Methylnaphthalene-d10
Concen: 0.294 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:152 Resp: 3612

Ion	Ratio	Lower	Upper
152	100		
151	15.3	15.5	23.3#

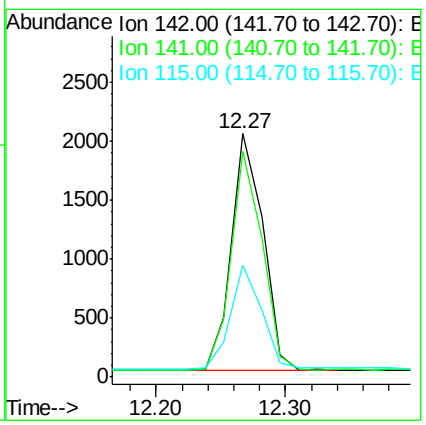


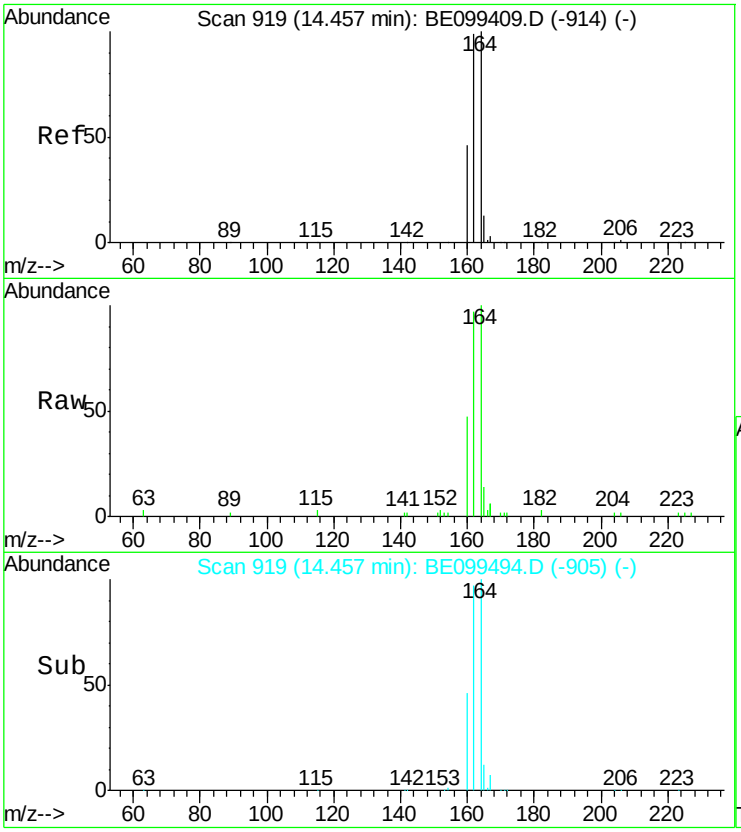


#12
2-Methylnaphthalene
Concen: 0.264 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:142 Resp: 3404

Ion	Ratio	Lower	Upper
142	100		
141	92.6	77.0	115.4
115	46.0	33.4	50.0



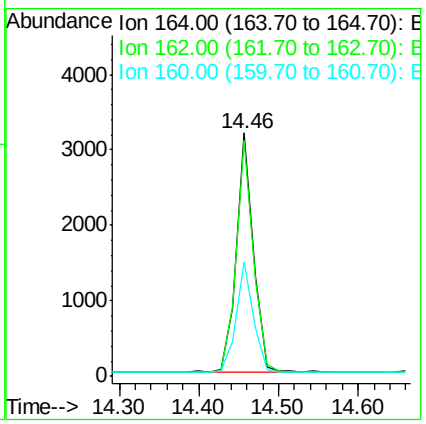


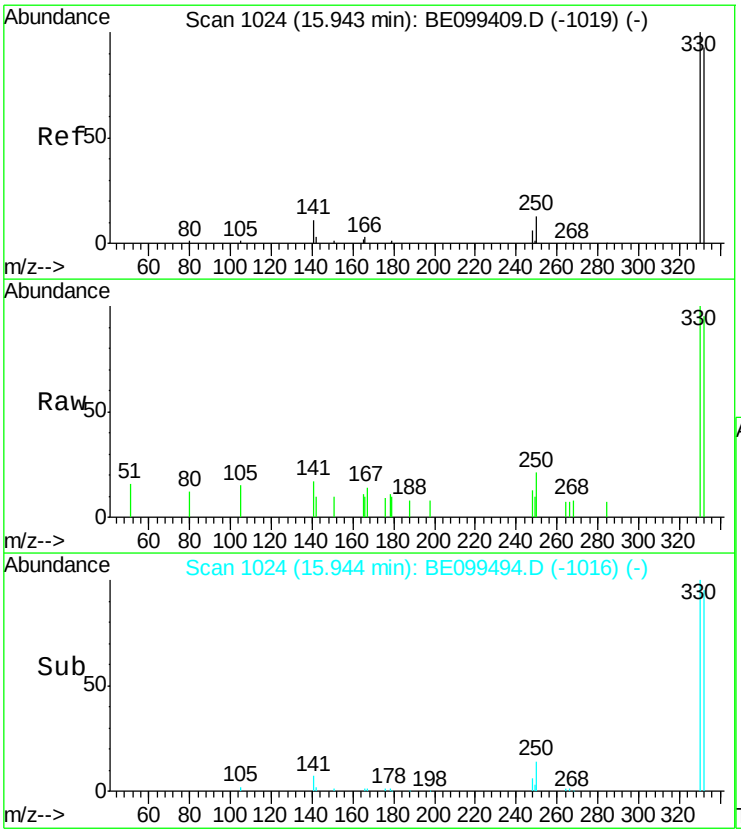
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:164 Resp: 4673

Ion	Ratio	Lower	Upper
164	100		
162	96.8	79.0	118.4
160	47.1	37.0	55.4

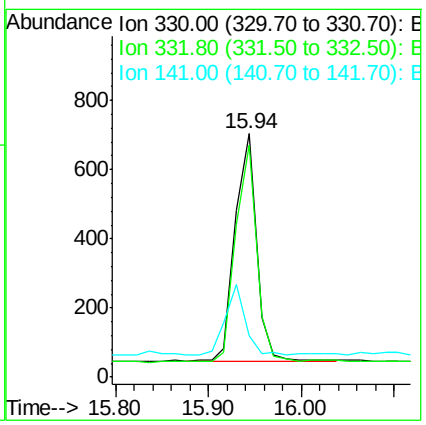


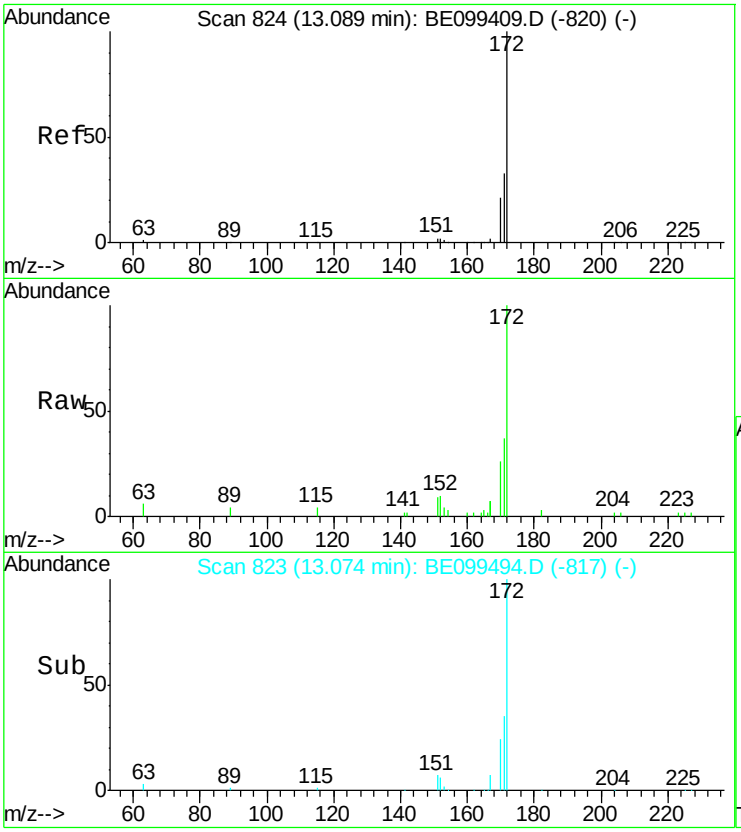


#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:330 Resp: 1035

Ion	Ratio	Lower	Upper
330	100		
332	94.6	71.5	107.3
141	30.7	24.0	36.0



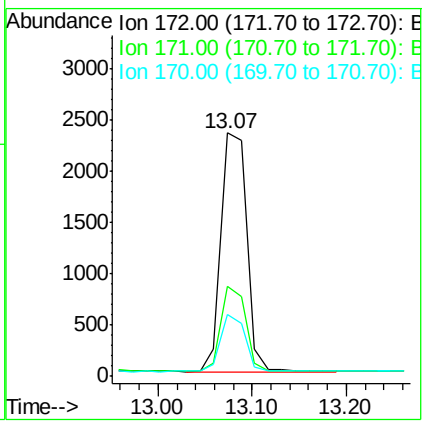


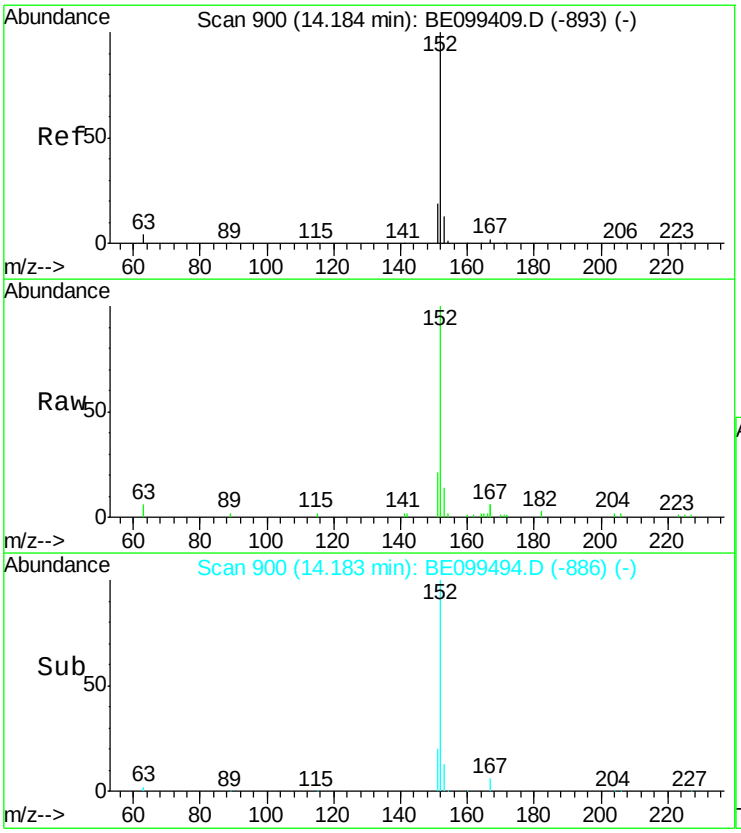
#15
2-Fluorobiphenyl
Concen: 0.247 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:172 Resp: 4395

Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.6	39.8
170	25.6	17.0	25.6#

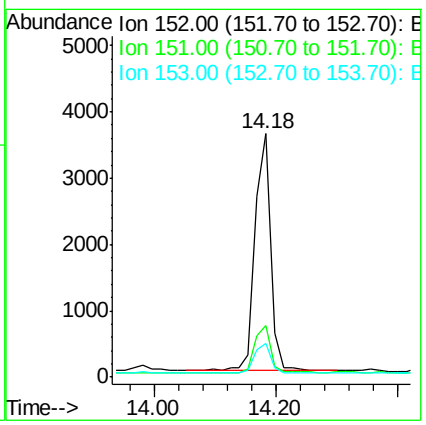


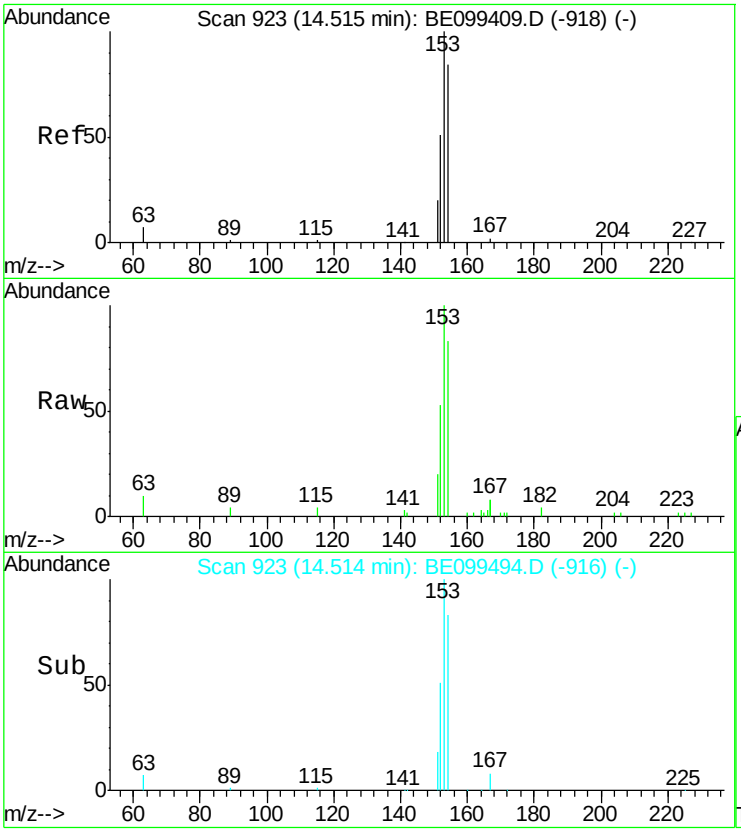


#16
Acenaphthylene
Concen: 0.276 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:152 Resp: 6313

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.4	23.2
153	13.2	9.8	14.6



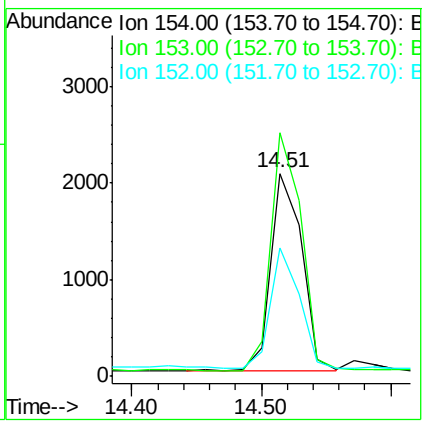


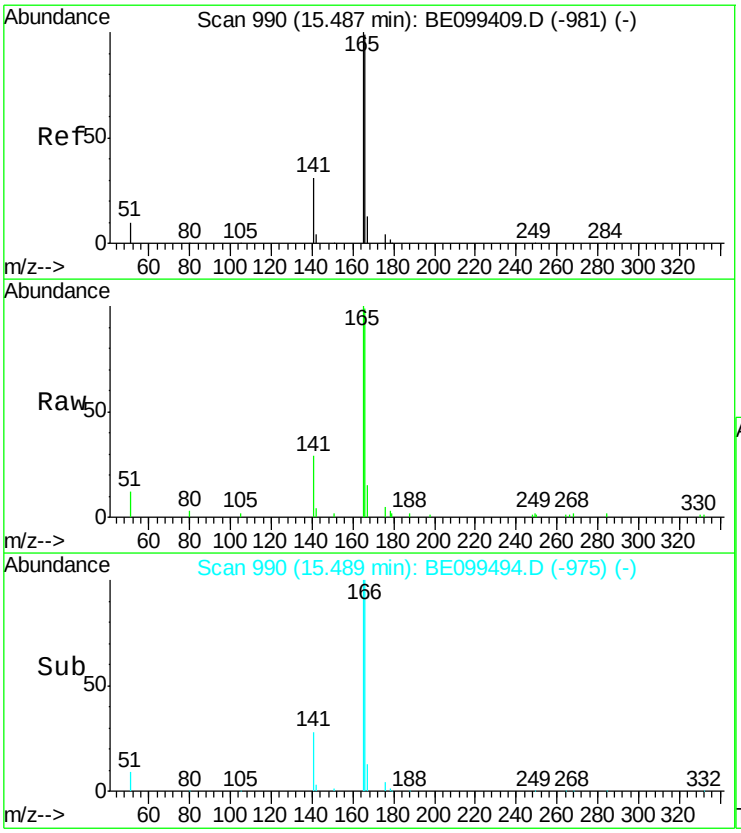
#17
Acenaphthene
Concen: 0.260 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:154 Resp: 3398

Ion	Ratio	Lower	Upper
154	100		
153	118.6	92.6	138.8
152	57.2	45.8	68.8

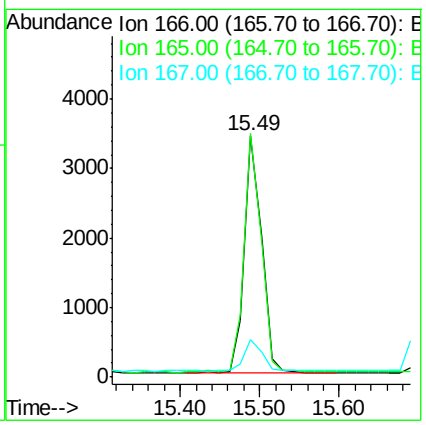


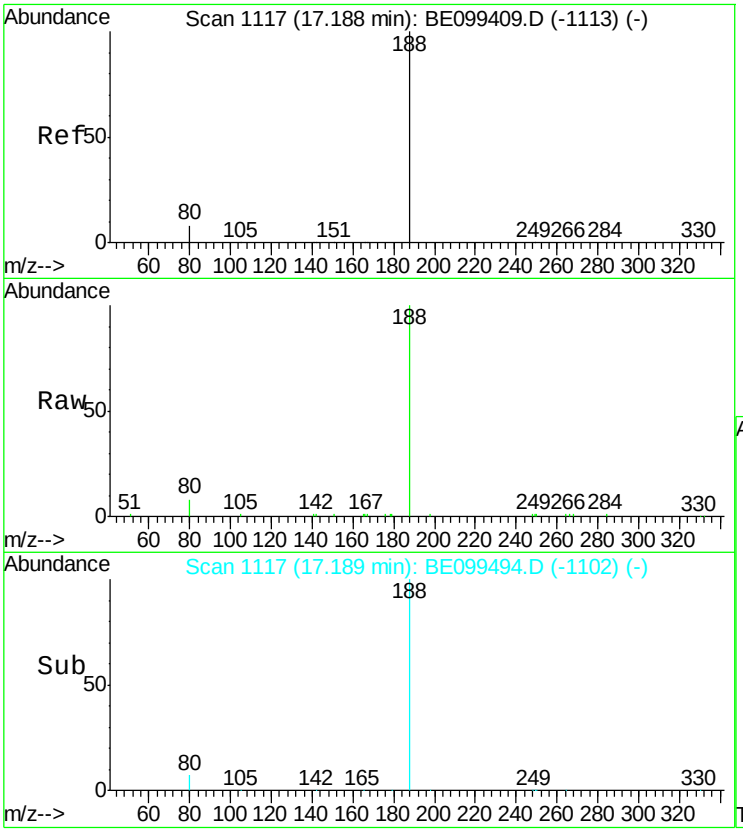


#18
Fluorene
Concen: 0.268 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:166 Resp: 5158

Ion	Ratio	Lower	Upper
166	100		
165	100.0	80.3	120.5
167	14.3	10.7	16.1



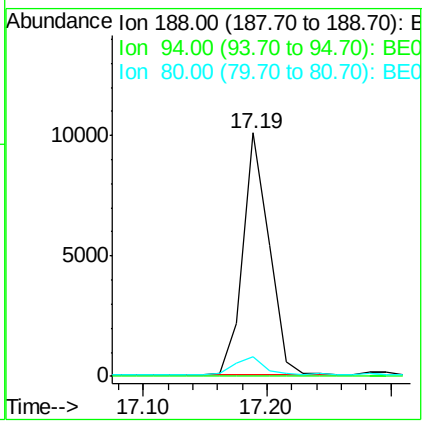


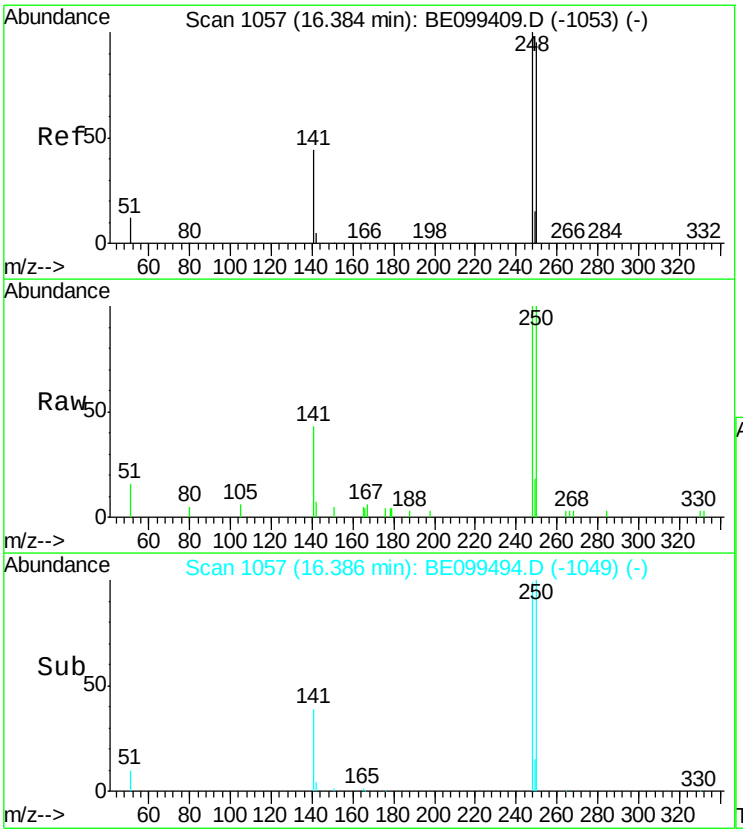
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:188 Resp: 14721

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	6.7	10.1

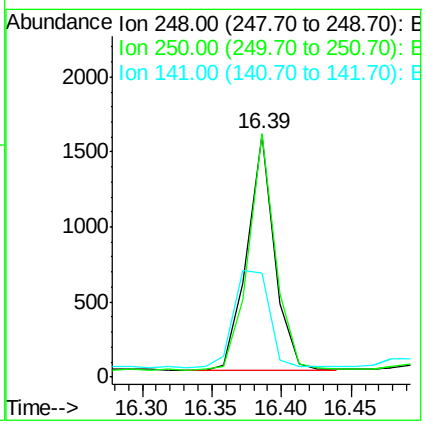


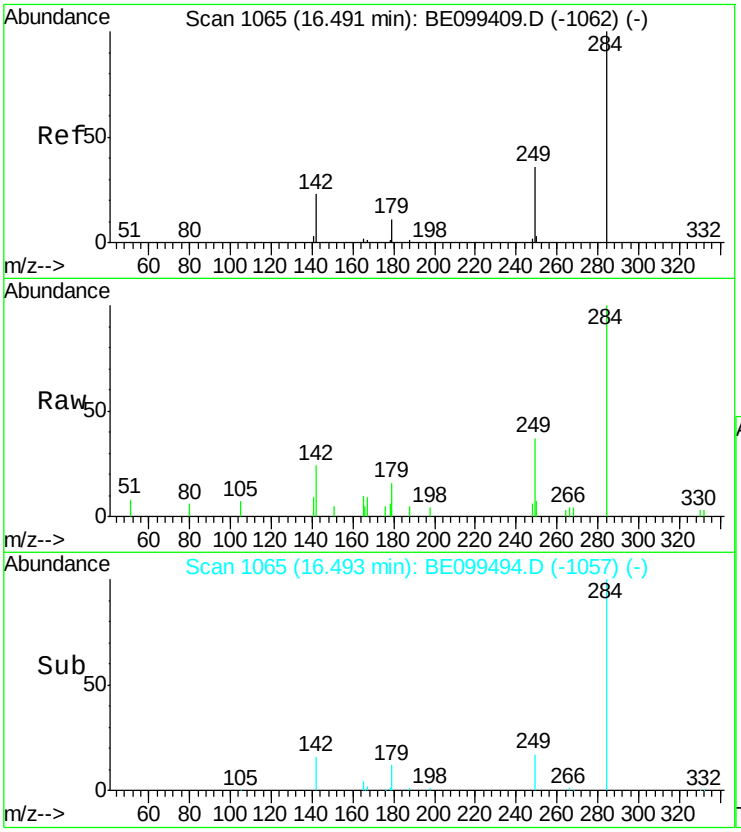


#20
4-Bromophenyl-phenylether
Concen: 0.252 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:248 Resp: 2156

Ion	Ratio	Lower	Upper
248	100		
250	100.3	75.8	113.8
141	42.7	35.7	53.5



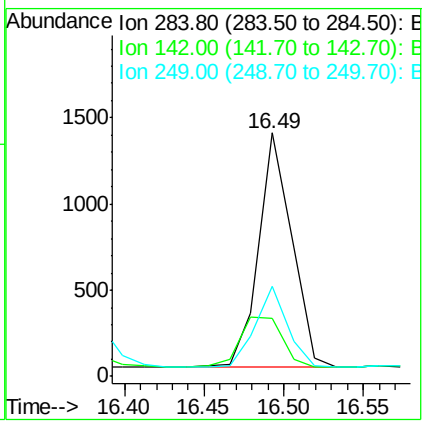


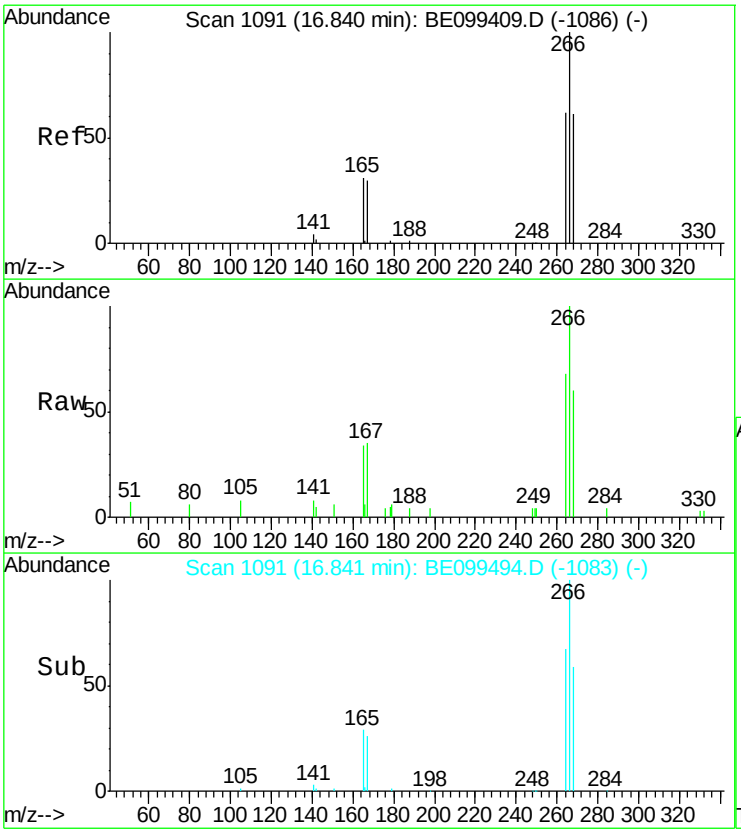
#21
Hexachlorobenzene
Concen: 0.238 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:284 Resp: 1947

Ion	Ratio	Lower	Upper
284	100		
142	27.3	21.0	31.6
249	34.5	26.7	40.1

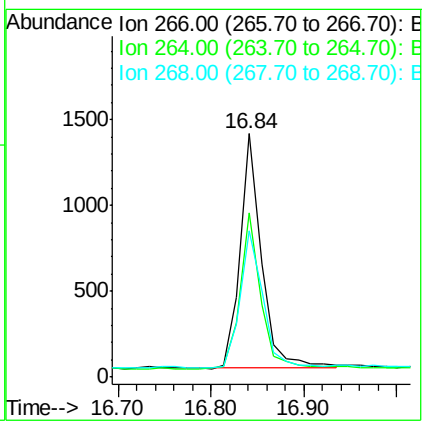


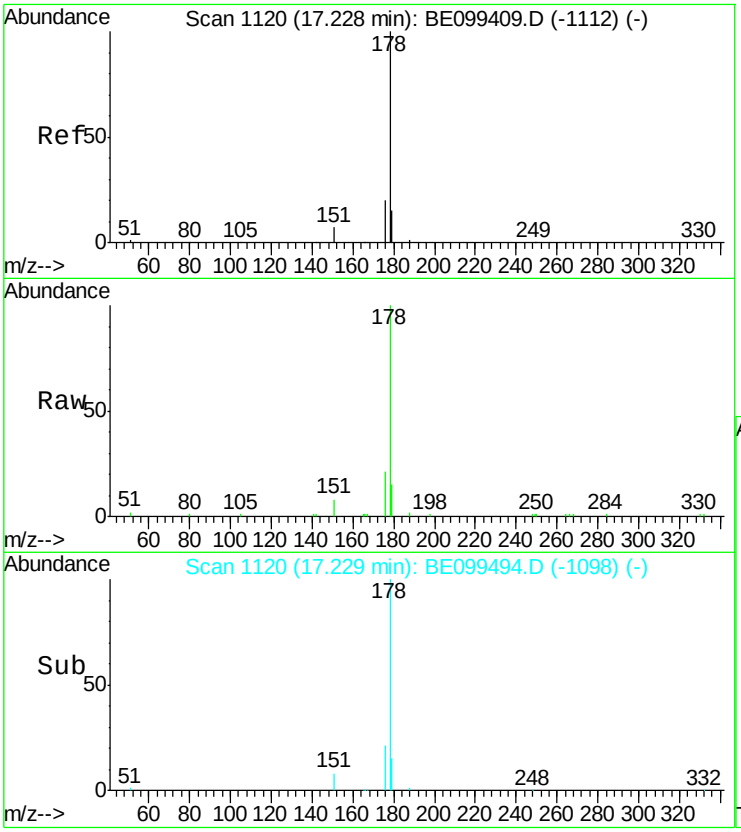


#22
Pentachlorophenol
Concen: 0.659 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:266 Resp: 2177

Ion	Ratio	Lower	Upper
266	100		
264	67.7	50.8	76.2
268	60.2	50.5	75.7



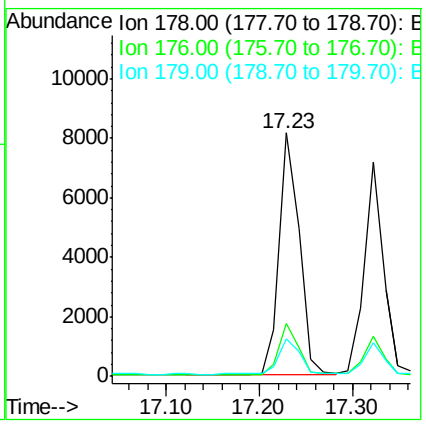


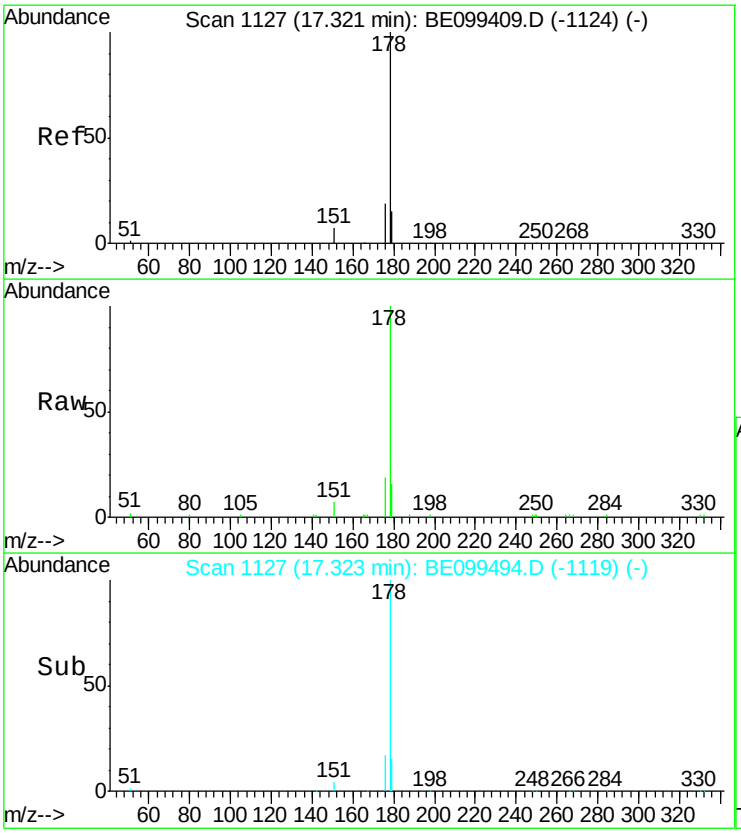
#23
Phenanthrene
Concen: 0.322 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:178 Resp: 12222

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.6	23.4
179	15.3	12.0	18.0

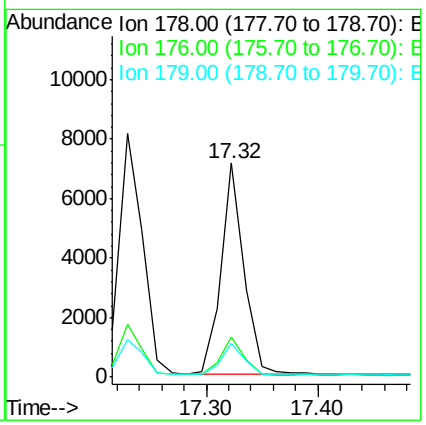


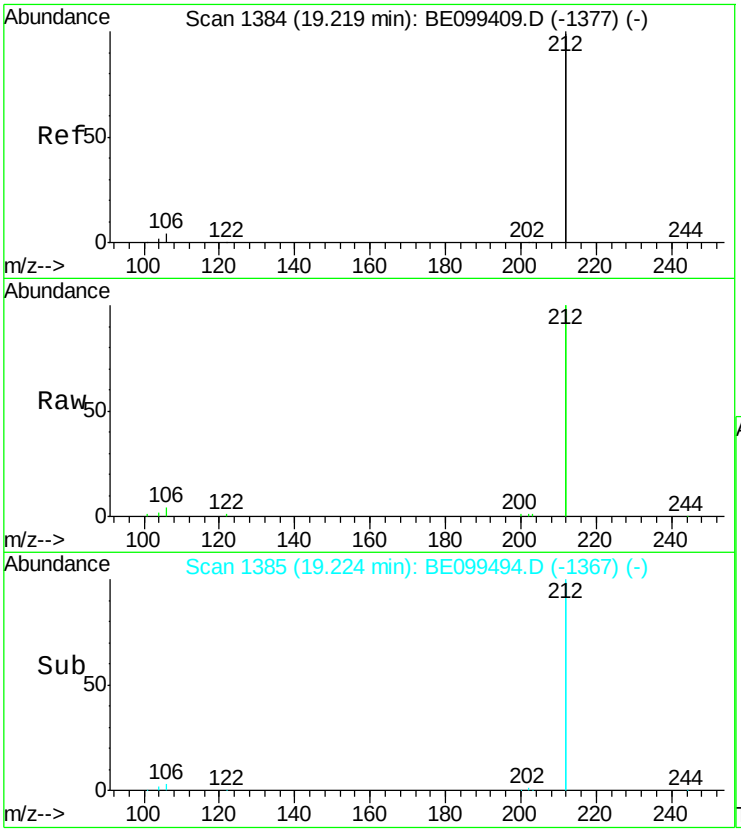


#24
Anthracene
Concen: 0.282 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:178 Resp: 10201

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	14.9	11.9	17.9



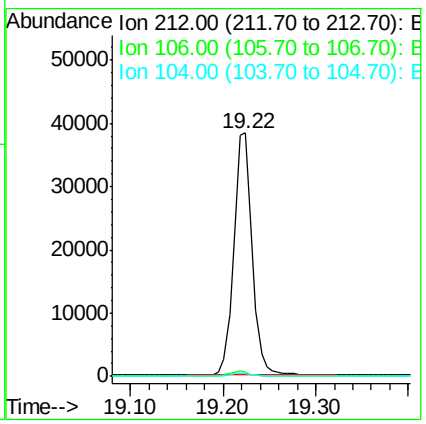


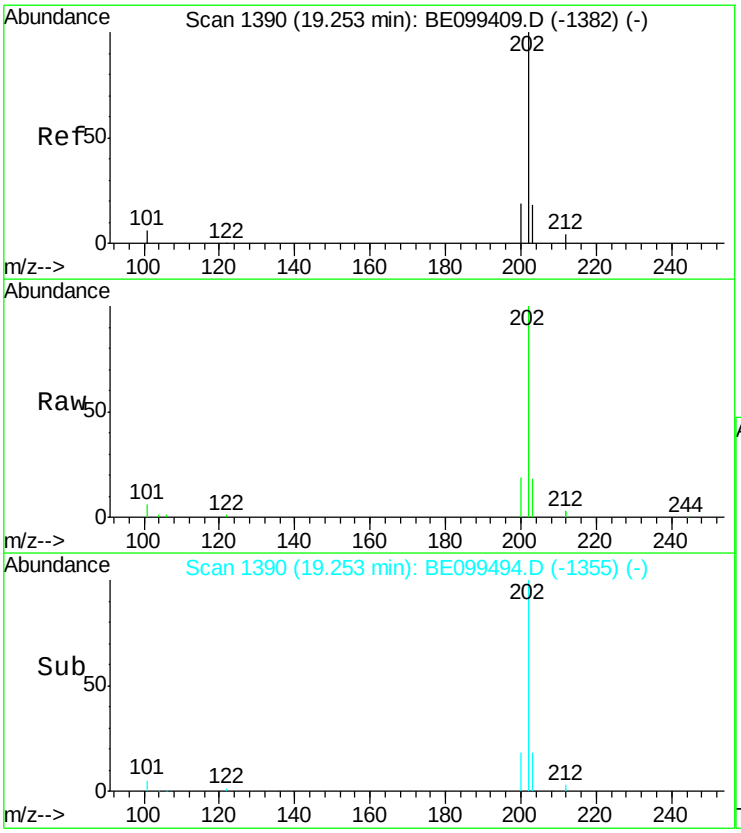
#25
Fluoranthene-d10
Concen: 0.267 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:212 Resp: 52989

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

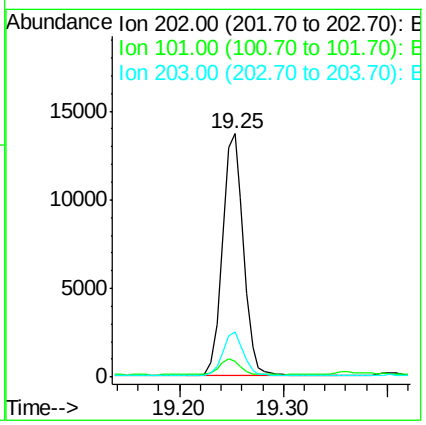


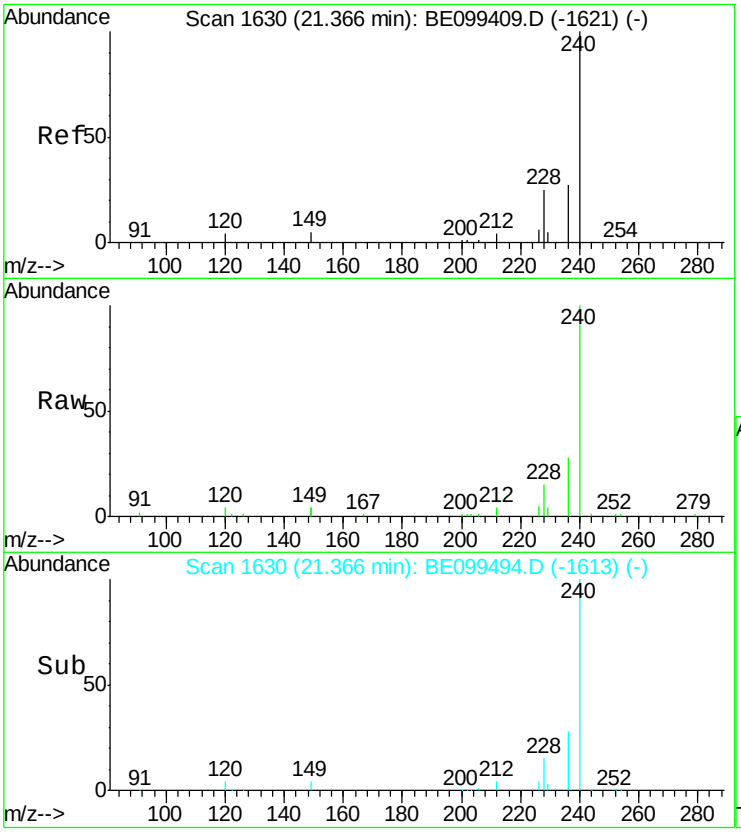


#26
Fluoranthene
Concen: 0.336 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:202 Resp: 19100

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.2	13.9	20.9



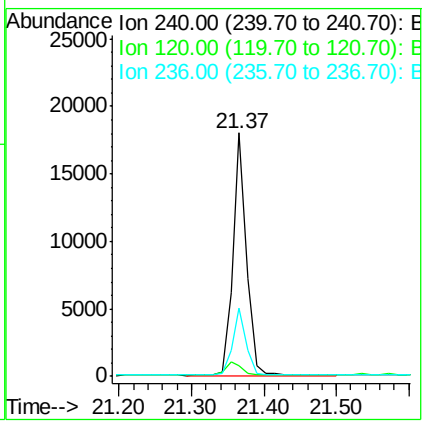


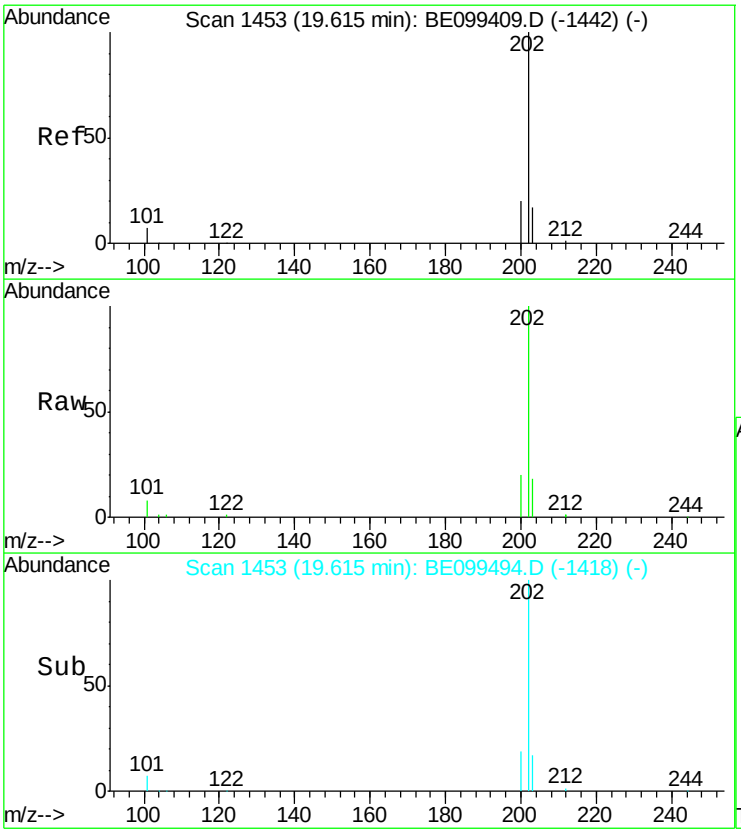
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:240 Resp: 23901

Ion	Ratio	Lower	Upper
240	100		
120	4.4	4.0	6.0
236	28.1	22.0	33.0

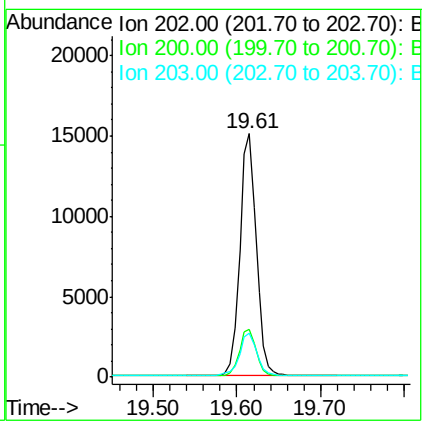


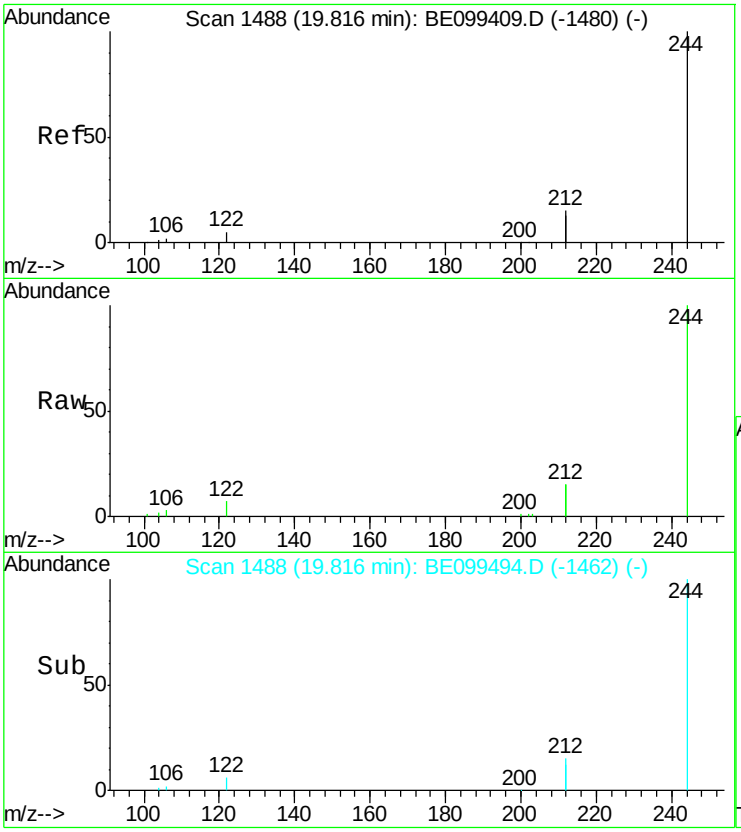


#28
Pyrene
Concen: 0.331 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:202 Resp: 20591

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	18.1	13.9	20.9



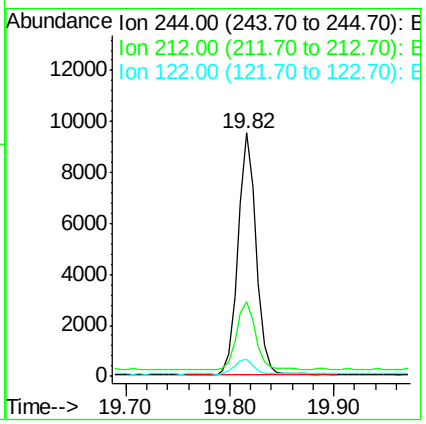


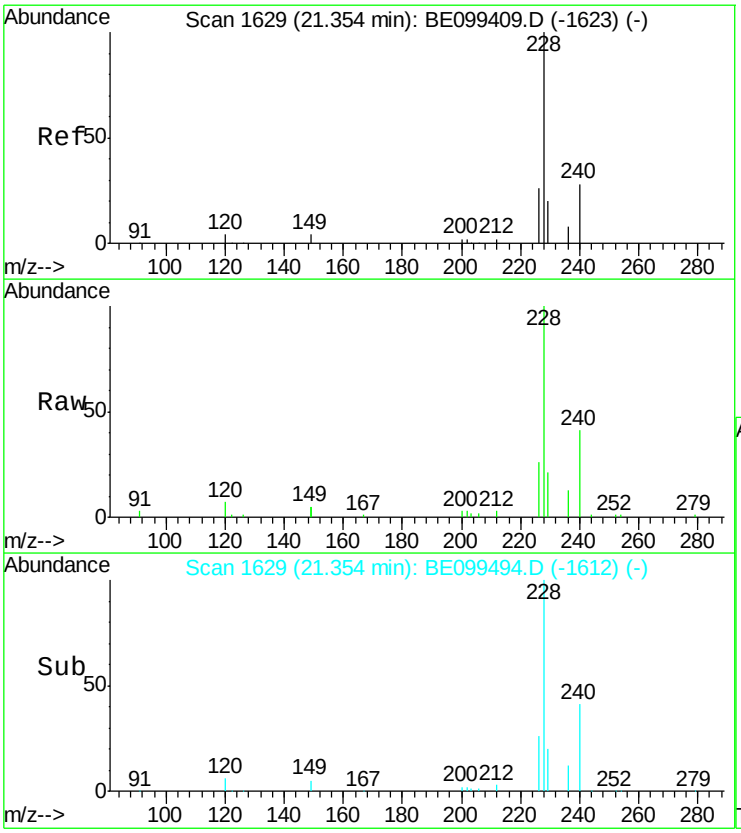
#29
Terphenyl-d14
Concen: 0.261 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:244 Resp: 11436

Ion	Ratio	Lower	Upper
244	100		
212	30.4	23.2	34.8
122	6.9	4.2	6.4#

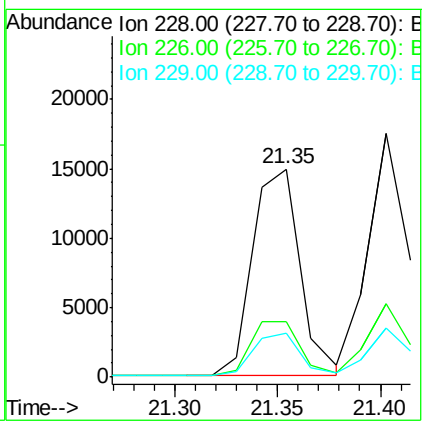


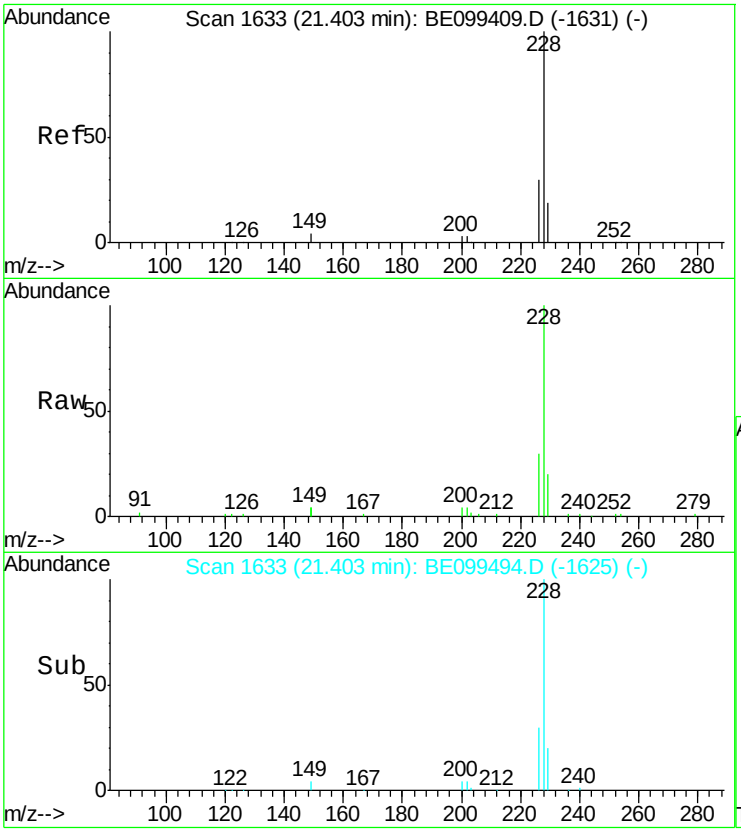


#30
Benzo(a)anthracene
Concen: 0.316 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:228 Resp: 24085

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.6
229	21.1	16.6	25.0



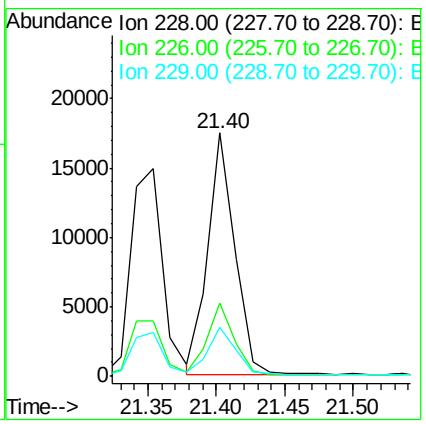


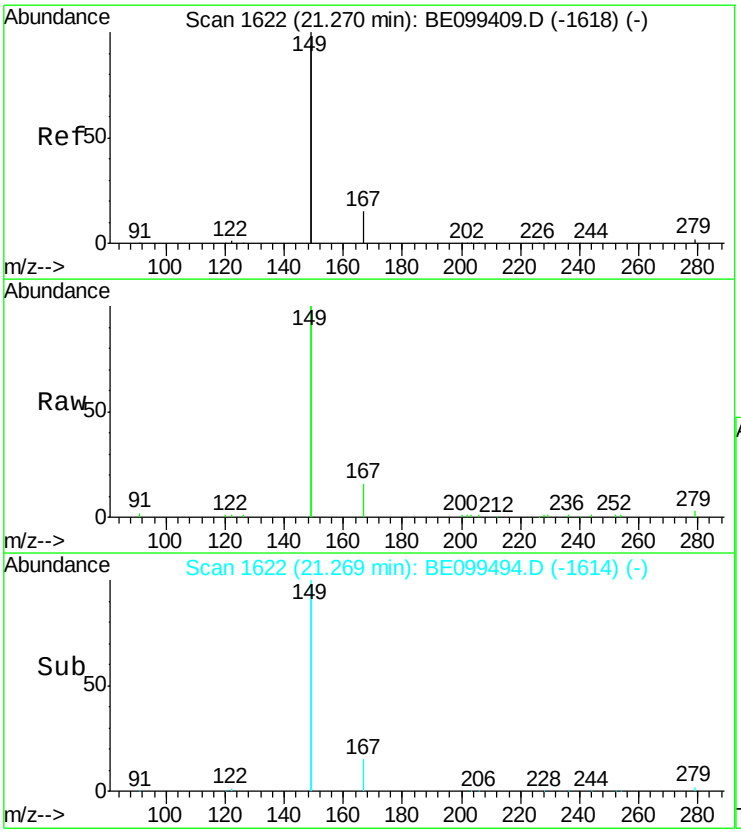
#31
Chrysene
Concen: 0.317 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:228 Resp: 23641

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	20.3	15.8	23.8

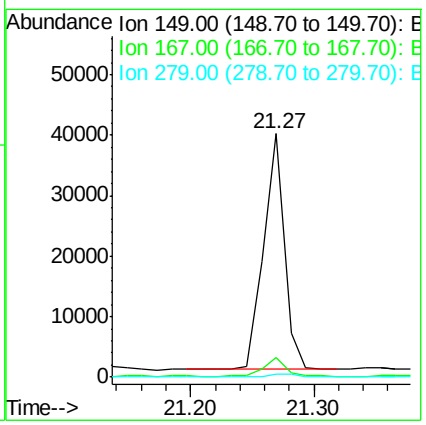


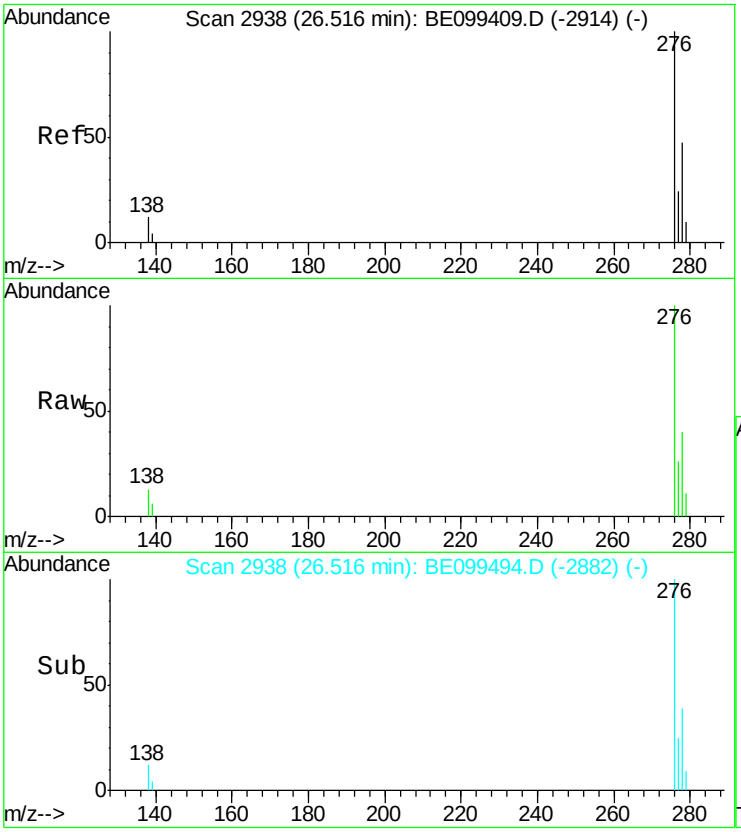


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.363 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:149 Resp: 46734

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



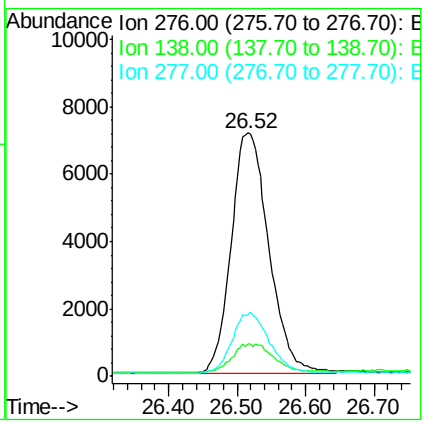


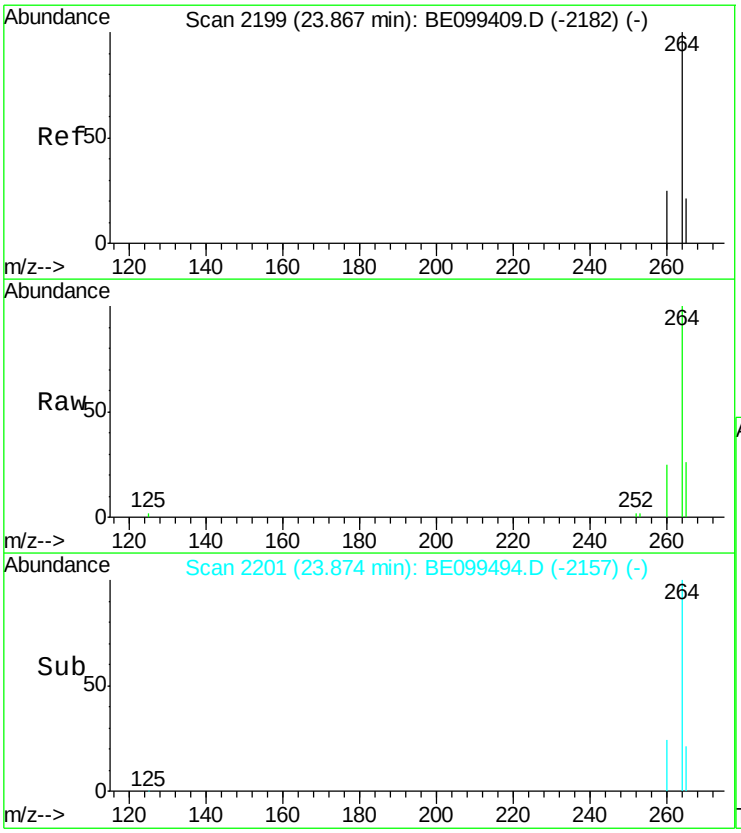
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.311 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:276 Resp: 27363

Ion	Ratio	Lower	Upper
276	100		
138	6.5	10.2	15.2#
277	24.7	19.2	28.8

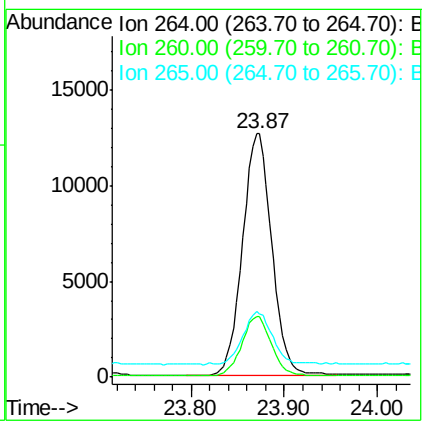


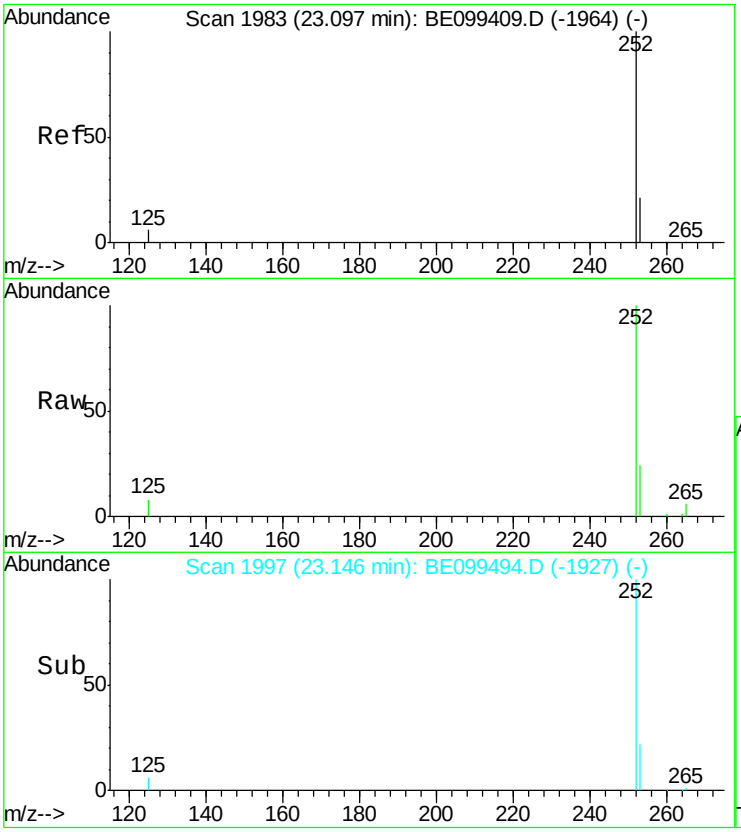


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:264 Resp: 27575

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.2	30.2
265	26.2	21.3	31.9



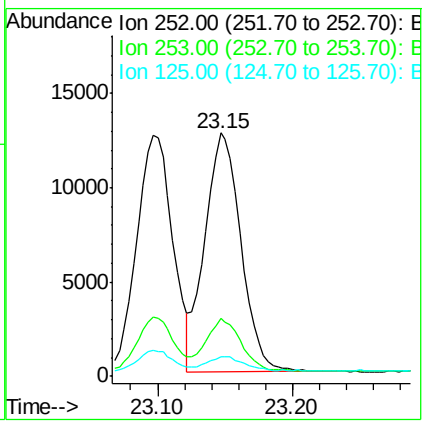


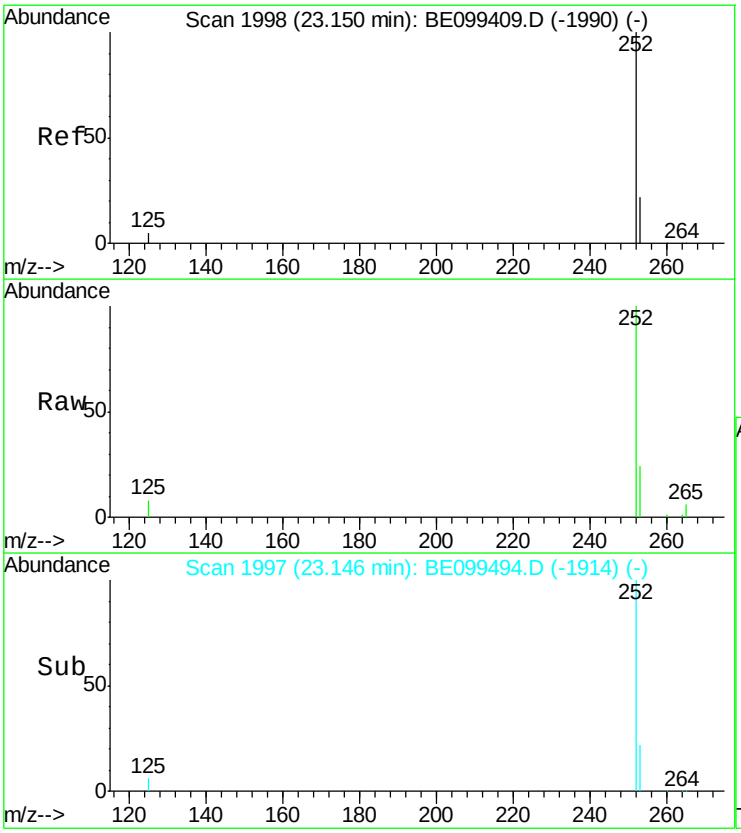
#35
Benzo(b)fluoranthene
Concen: 0.298 ng
RT: 23.15 min Scan# 1997
Delta R.T. 0.05 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:252 Resp: 23701

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	8.0	5.6	8.4

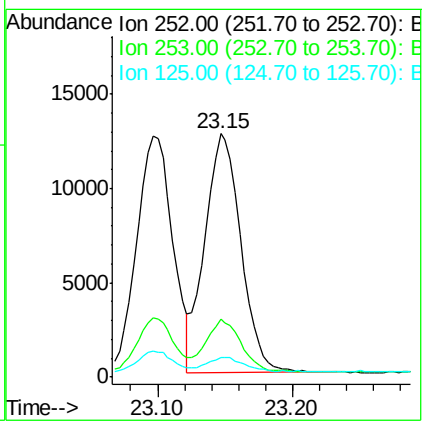


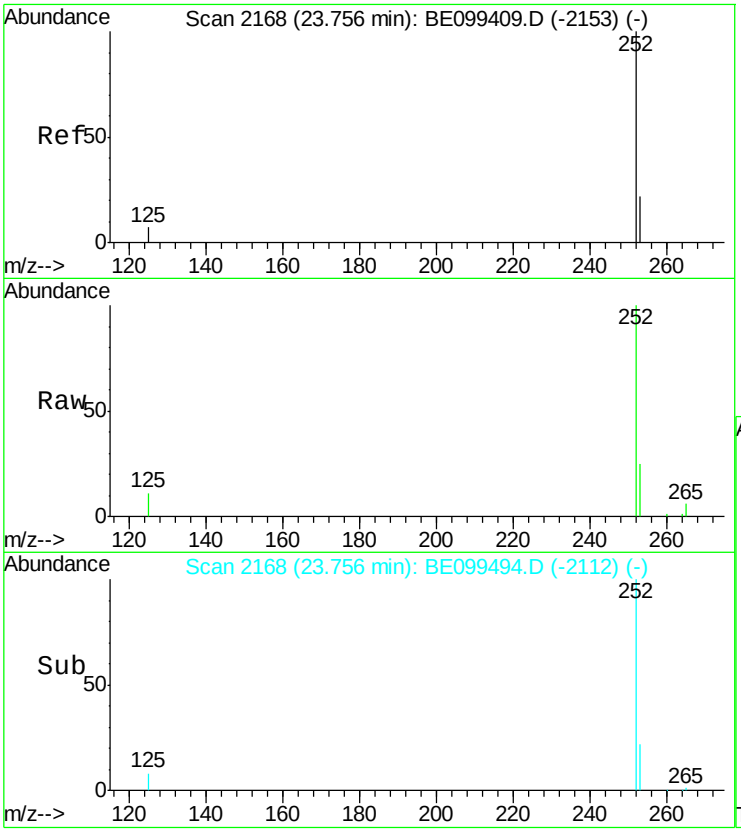


#36
Benzo(k)fluoranthene
Concen: 0.309 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:252 Resp: 23701

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	8.0	5.0	7.4#



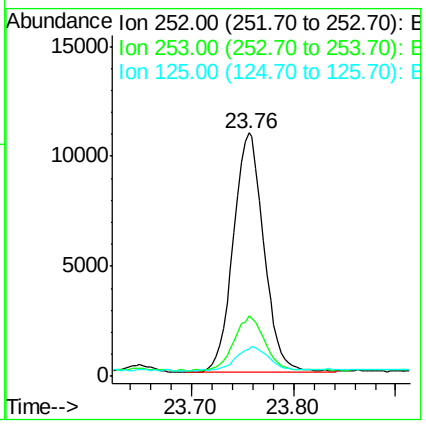


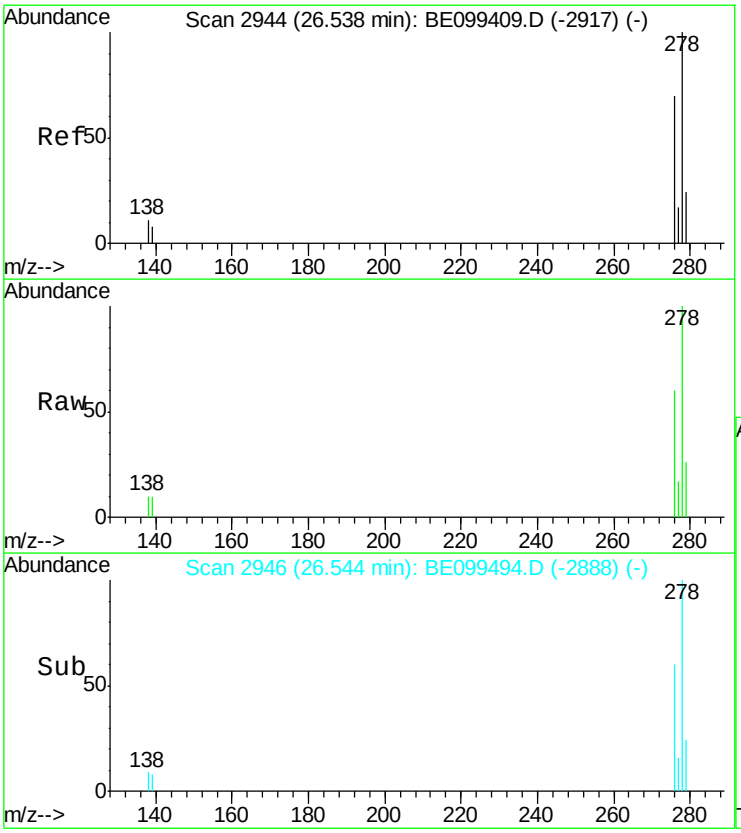
#37
Benzo(a)pyrene
Concen: 0.303 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:252 Resp: 22801

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	11.1	6.7	10.1#

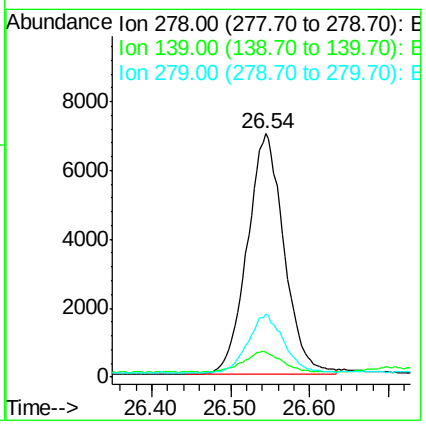


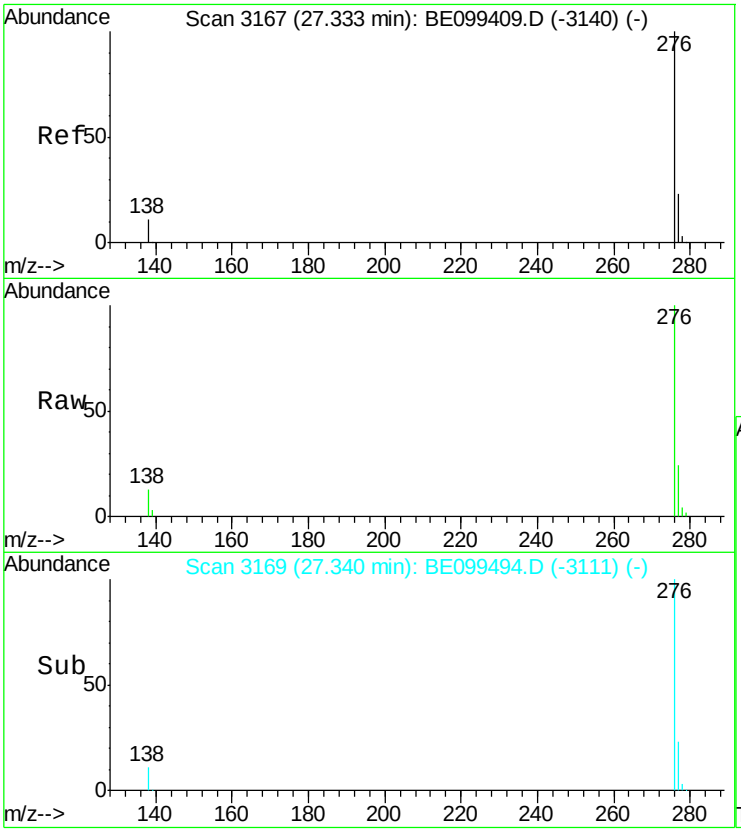


#38
Dibenzo(a,h)anthracene
Concen: 0.294 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

Tgt Ion:278 Resp: 22601

Ion	Ratio	Lower	Upper
278	100		
139	10.2	7.7	11.5
279	25.7	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.304 ng
RT: 27.34 min Scan# 3169
Delta R.T. 0.01 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

Tgt Ion:276 Resp: 23455

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.5	29.3
138	13.0	9.6	14.4