Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099476.D
Acq On : 1 May 2019 23:10
Operator : JU/SJ
Sample : K2588-10MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-001-B194-042519MSD

Quant Time: May 02 07:43:32 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	2159	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	8106	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	6318	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	20115	0.40	ng		0.00
27) Chrysene-d12	21.37	240	25679	0.40	ng		0.00
34) Perylene-d12	23.86	264	28984	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2602	0.44	ng		0.00
5) Phenol-d6	6.97	99	3781	0.48	ng		0.00
8) Nitrobenzene-d5	8.97	82	3110	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	6547	0.45	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1814	0.46	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	8747	0.36	ng		-0.01
25) Fluoranthene-d10	19.22	212	108245	0.40	ng		0.00
29) Terphenyl-d14	19.81	244	22361	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	724	0.244	ng	#	72
3) n-Nitrosodimethylamine	3.63	42	681	0.380	ng	#	86
6) bis(2-Chloroethyl)ether	7.23	93	2656	0.388	ng		97
9) Naphthalene	10.65	128	37018	0.419	ng		100
10) Hexachlorobutadiene	10.93	225	2339	0.381	ng		98
12) 2-Methylnaphthalene	12.27	142	6538	0.426	ng		96
16) Acenaphthylene	14.17	152	12740	0.412	ng		98
17) Acenaphthene	14.51	154	7326	0.415	ng		99
18) Fluorene	15.49	166	11654	0.447	ng		97
20) 4-Bromophenyl-phenylether	16.38	248	4768	0.407	ng	#	89
21) Hexachlorobenzene	16.49	284	4728	0.424	ng		98
22) Pentachlorophenol	16.84	266	5068	0.970	ng		98
23) Phenanthrene	17.23	178	26134	0.504	ng		99
24) Anthracene	17.32	178	23363	0.472	ng		100
26) Fluoranthene	19.25	202	41553	0.534	ng		99
28) Pyrene	19.61	202	43524	0.650	ng		99
30) Benzo(a)anthracene	21.34	228	44935	0.549	ng		97
31) Chrysene	21.40	228	44430	0.555	ng		99
32) Bis(2-ethylhexyl)phthalate	21.26	149	74842	0.577	ng		99
33) Indeno(1,2,3-cd)pyrene	26.51	276	48114	0.508	ng		99
35) Benzo(b)fluoranthene	23.09	252	43396	0.519	ng		99
36) Benzo(k)fluoranthene	23.14	252	41592	0.516	ng		99
37) Benzo(a)pyrene	23.75	252	41381	0.524	ng		99
38) Dibenzo(a,h)anthracene	26.53	278	38494	0.476	ng		98
39) Benzo(g,h,i)perylene	27.33	276	40712	0.503	ng		99

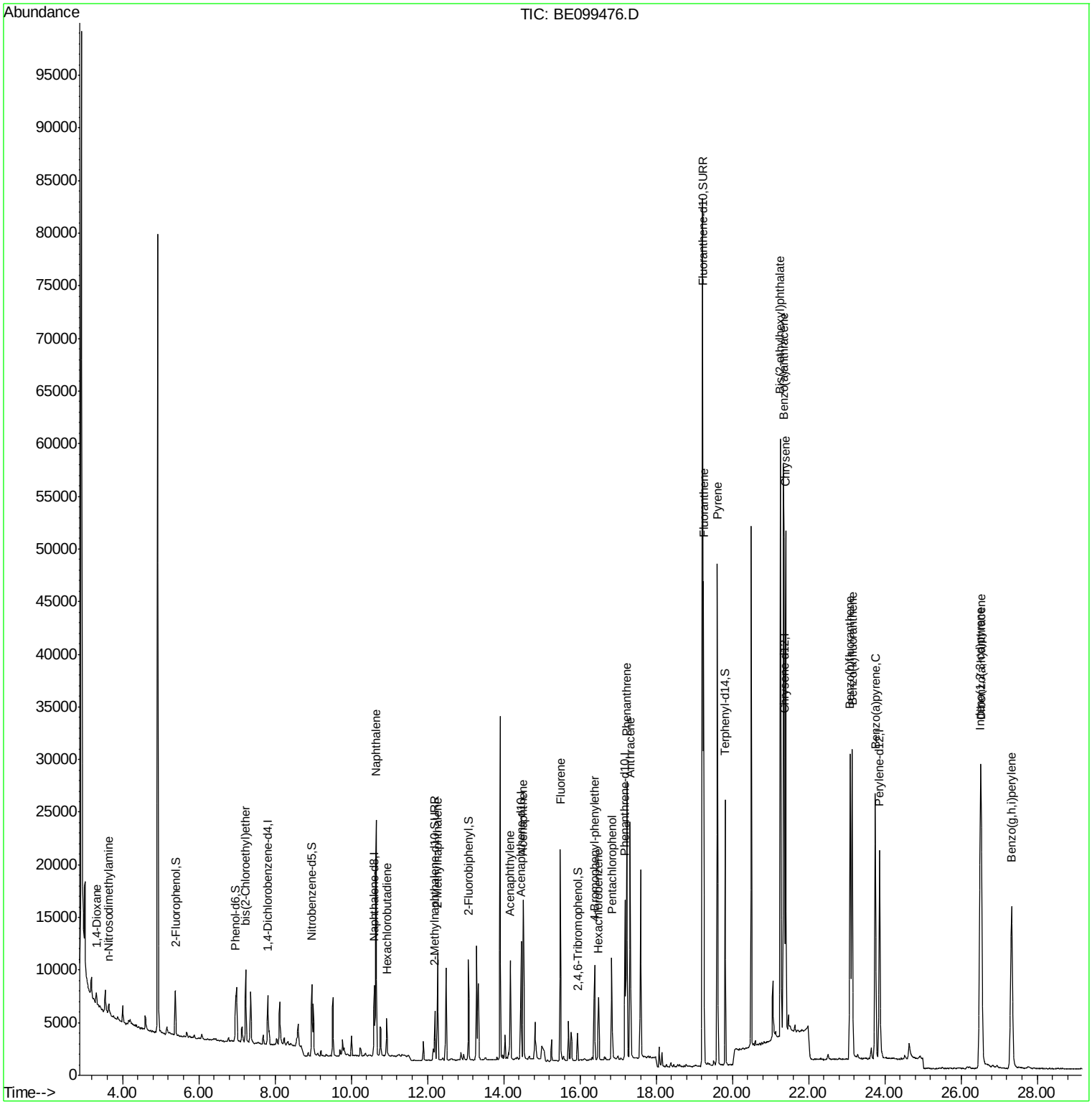
(#) = qualifier out of range (m) = manual integration (+) = signals summed

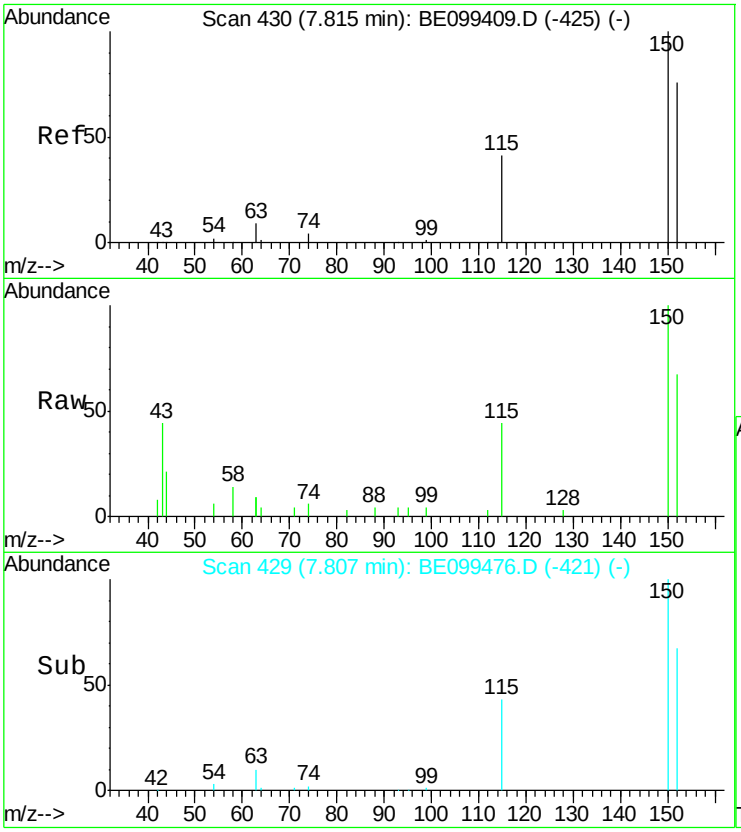
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099476.D
Acq On : 1 May 2019 23:10
Operator : JU/SJ
Sample : K2588-10MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Quant Time: May 02 07:43:32 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



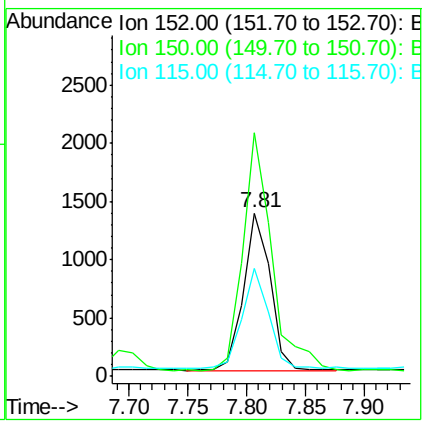


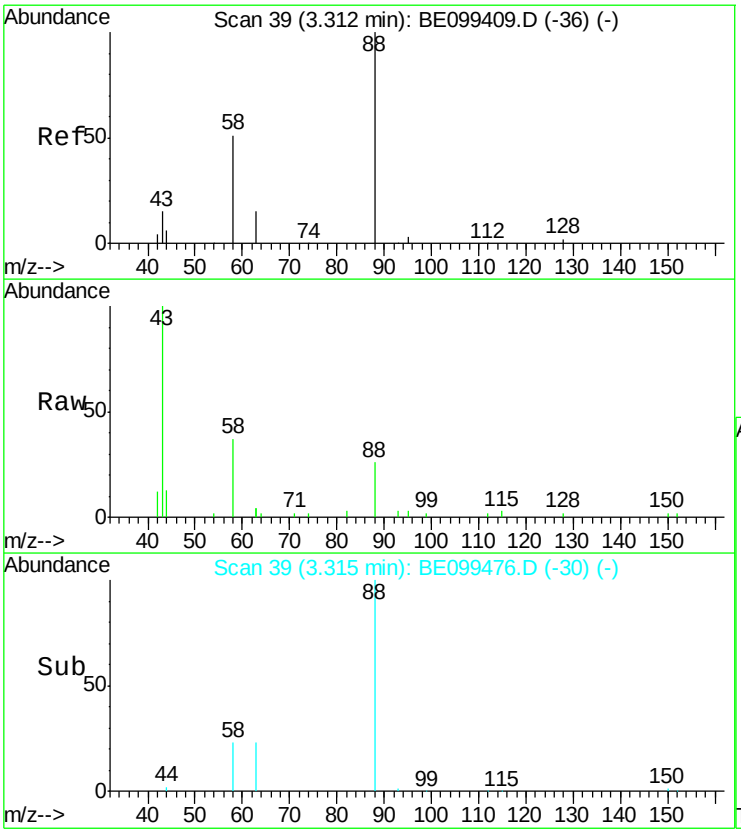
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:152 Resp: 2159

Ion	Ratio	Lower	Upper
152	100		
150	149.3	104.8	157.2
115	66.4	46.6	69.8

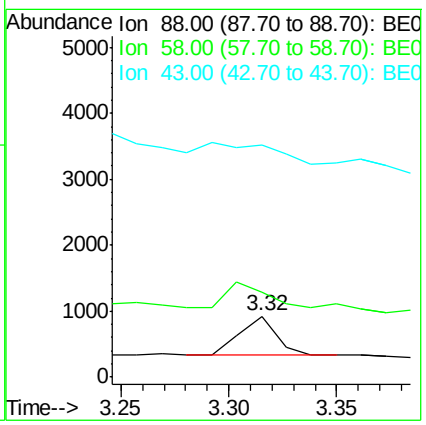


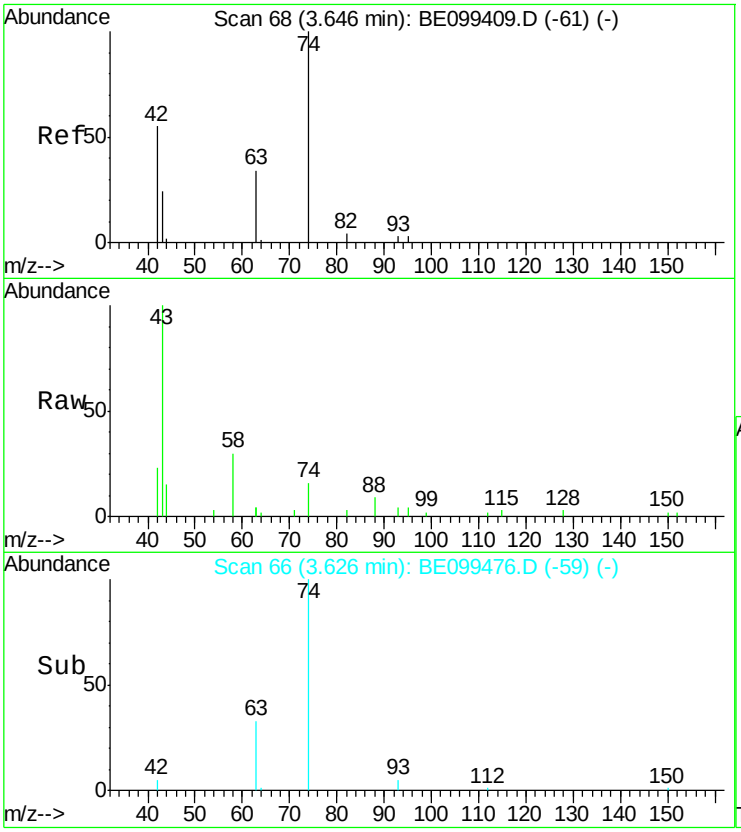


#2
1,4-Dioxane
Concen: 0.244 ng
RT: 3.32 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion: 88 Resp: 724

Ion	Ratio	Lower	Upper
88	100		
58	78.6	51.0	76.6#
43	0.0	20.6	30.8#



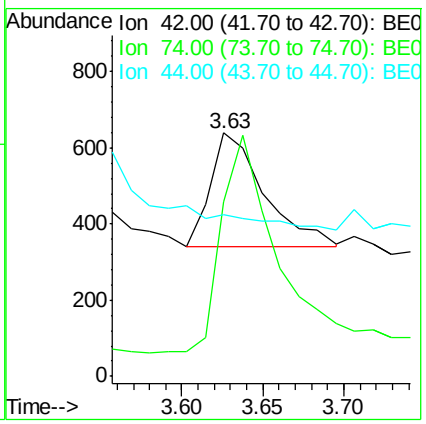


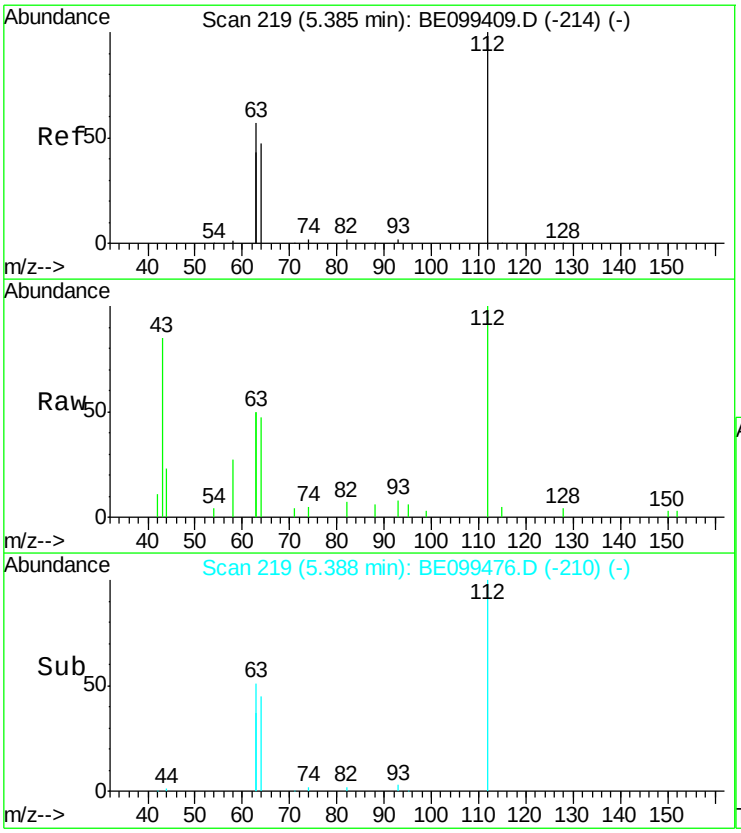
#3
n-Nitrosodimethylamine
Concen: 0.380 ng
RT: 3.63 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion: 42 Resp: 681

Ion	Ratio	Lower	Upper
42	100		
74	196.5	141.6	212.4
44	0.0	0.0	0.0

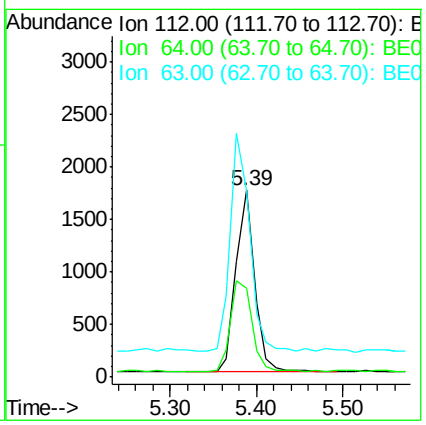


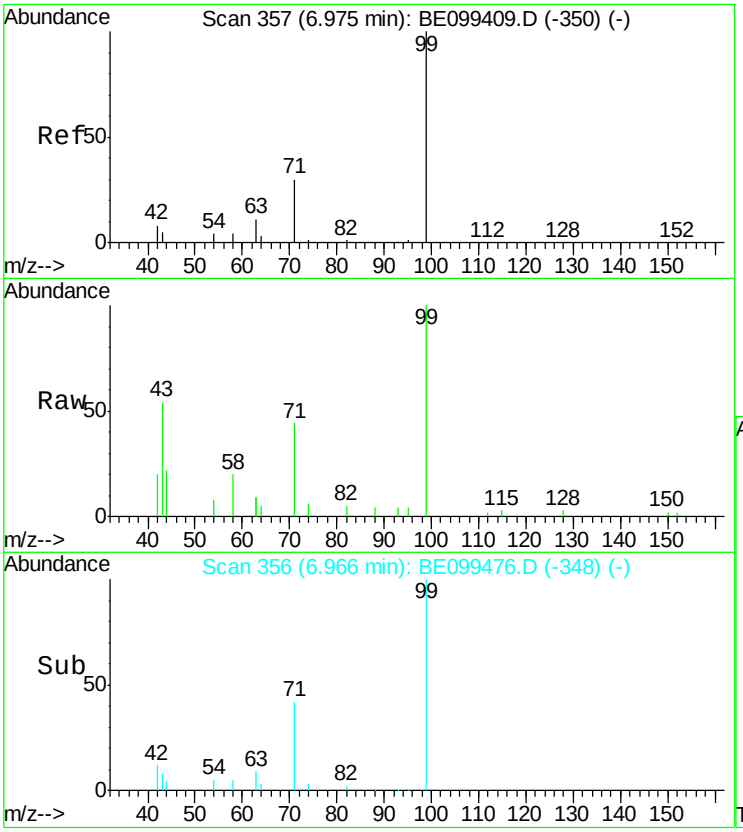


#4
2-Fluorophenol
Concen: 0.436 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:112 Resp: 2602

Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.4	71.0
63	123.8	104.3	156.5



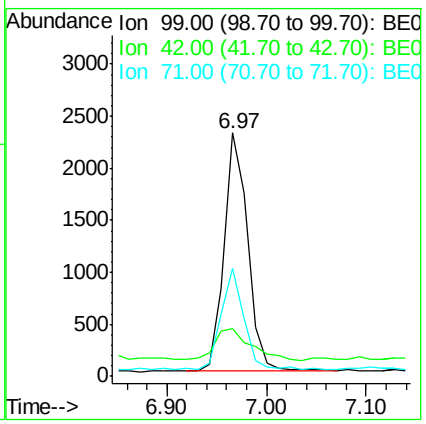


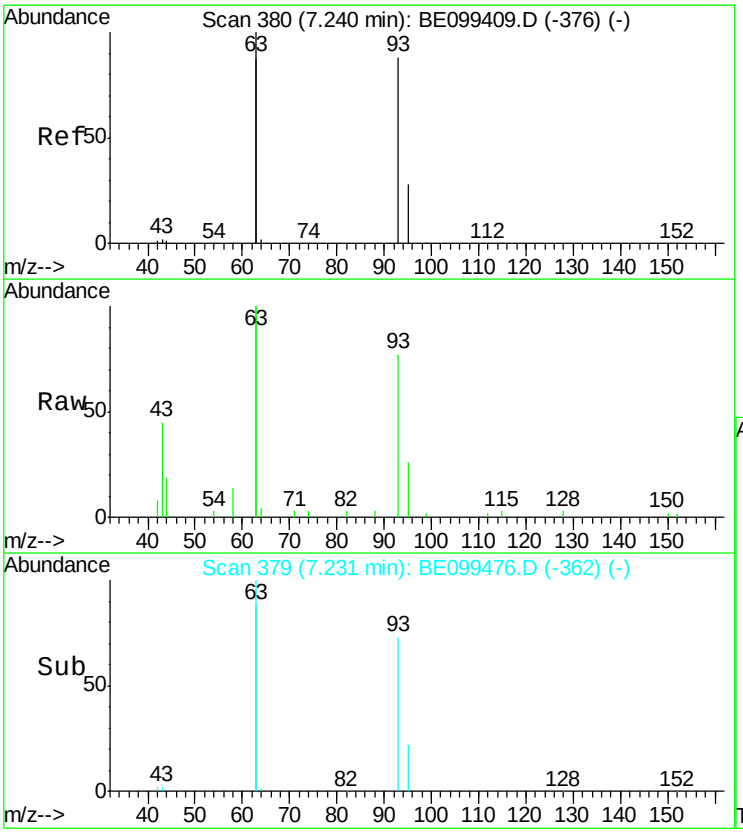
#5
Phenol-d6
Concen: 0.476 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion: 99 Resp: 3781

Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.9	22.3
71	39.6	33.0	49.6

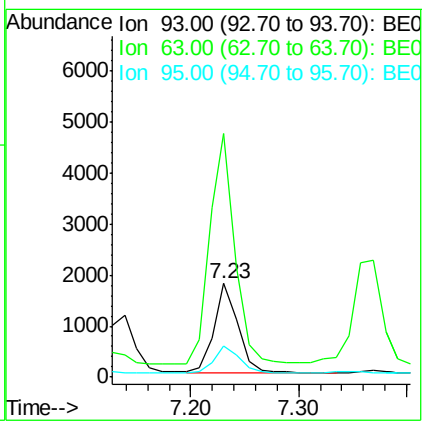


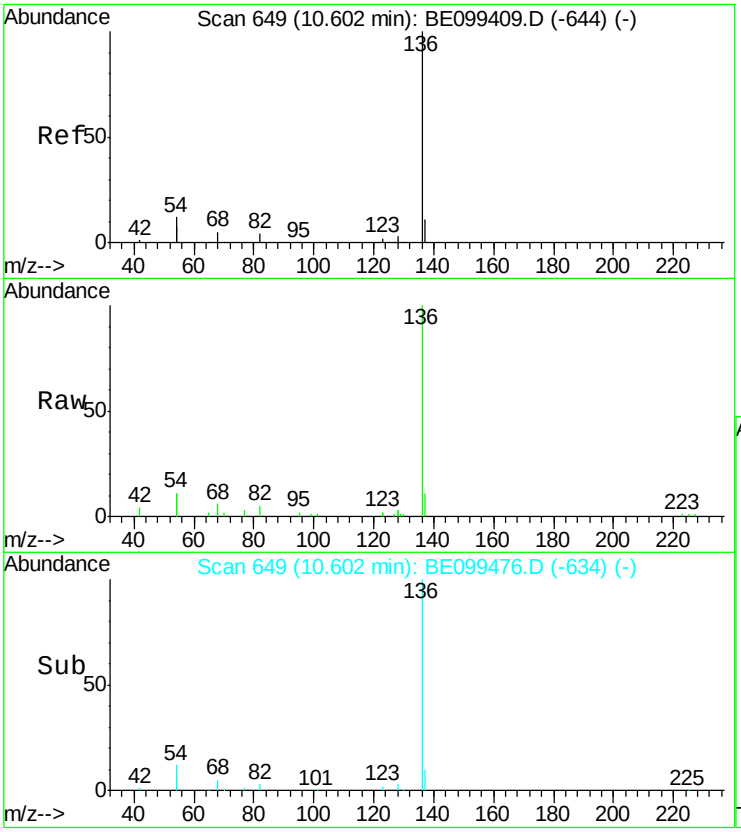


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion: 93 Resp: 2656

Ion	Ratio	Lower	Upper
93	100		
63	275.4	215.6	323.4
95	34.1	26.2	39.2



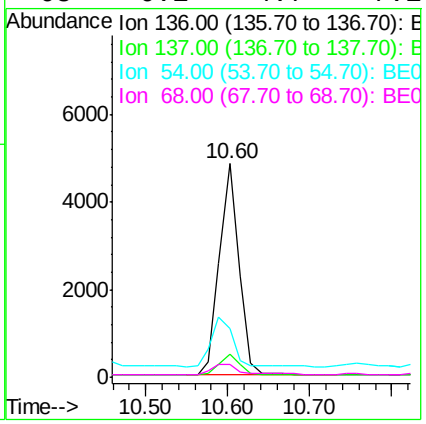


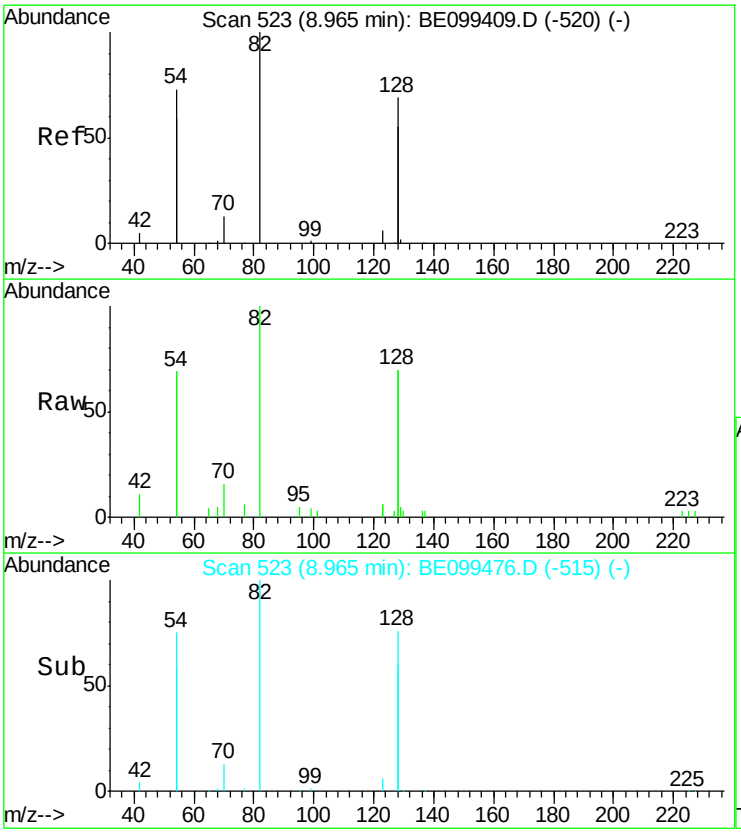
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:136 Resp: 8106

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	23.0	18.5	27.7
68	6.1	4.7	7.1

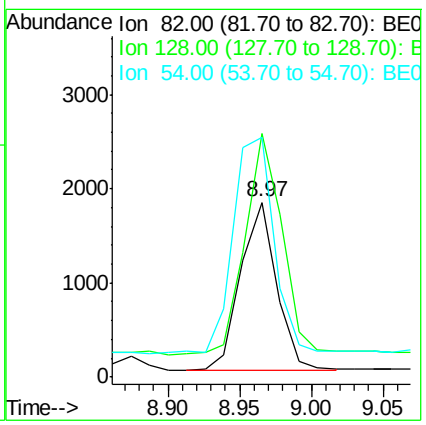


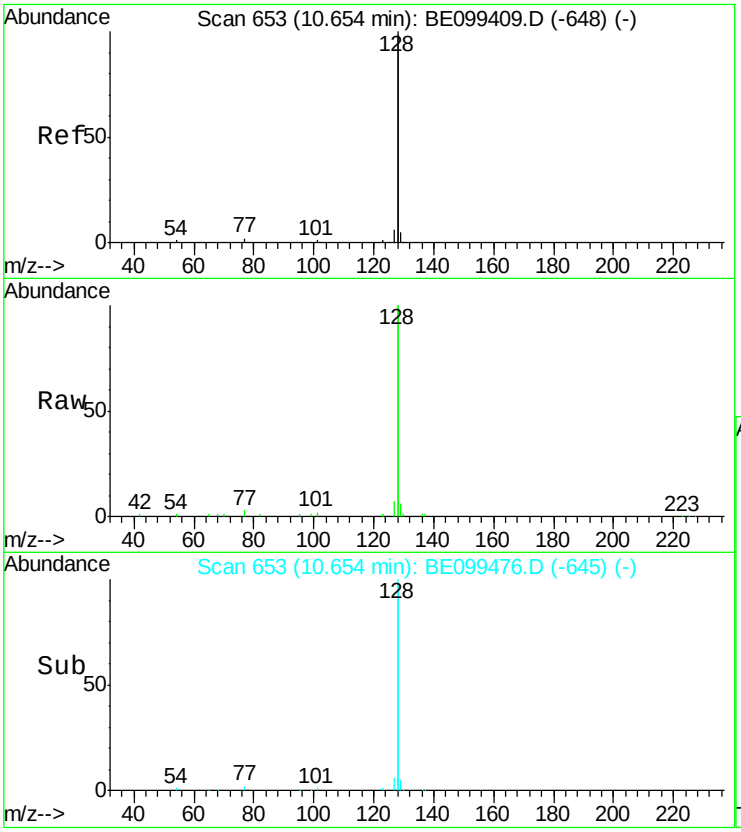


#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 8.97 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion: 82 Resp: 3110

Ion	Ratio	Lower	Upper
82	100		
128	139.4	107.0	160.4
54	137.6	113.1	169.7



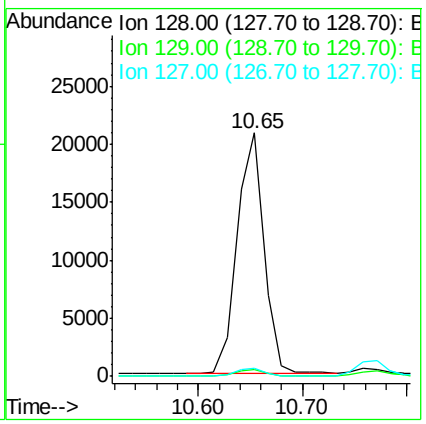


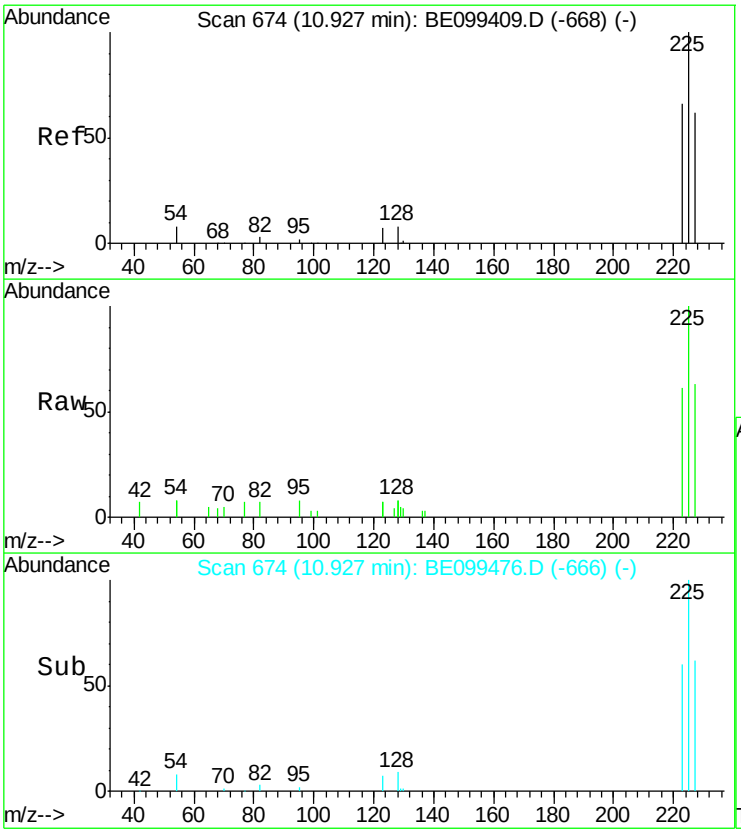
#9
Naphthalene
Concen: 0.419 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:128 Resp: 37018

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.3	2.8	4.2

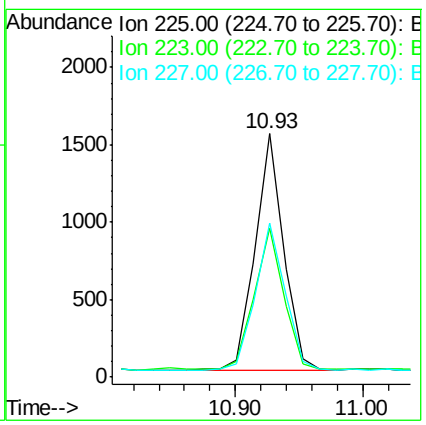


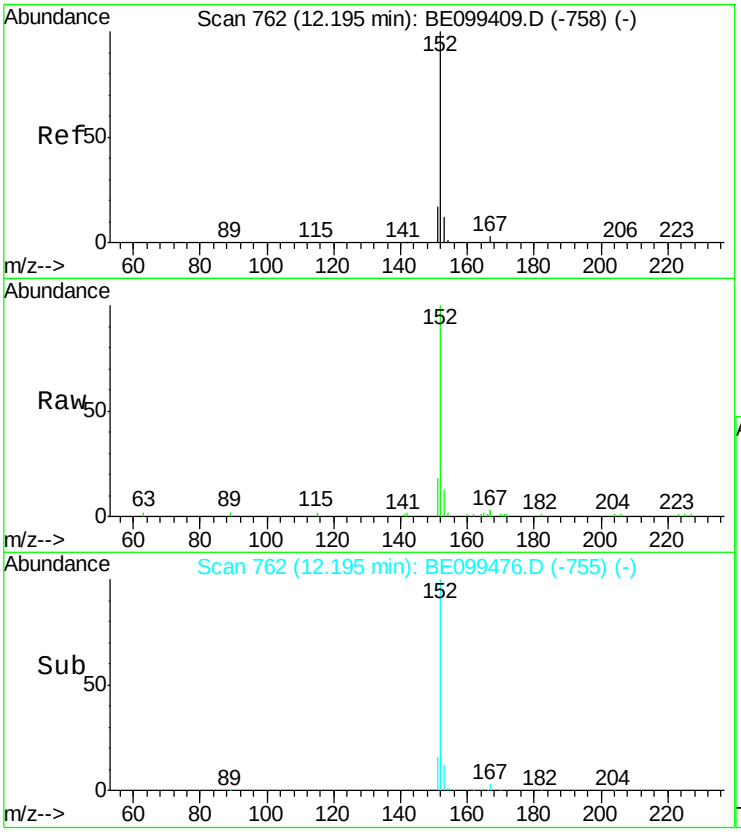


#10
Hexachlorobutadiene
Concen: 0.381 ng
RT: 10.93 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:225 Resp: 2339

Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.0	76.6
227	65.5	50.9	76.3



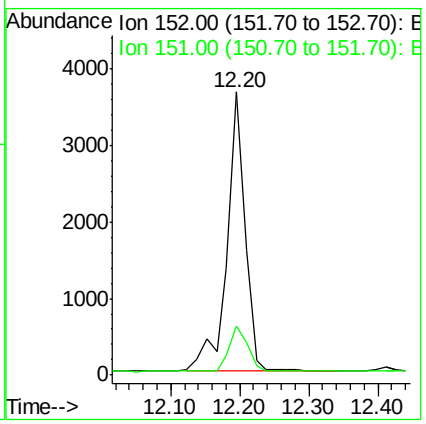


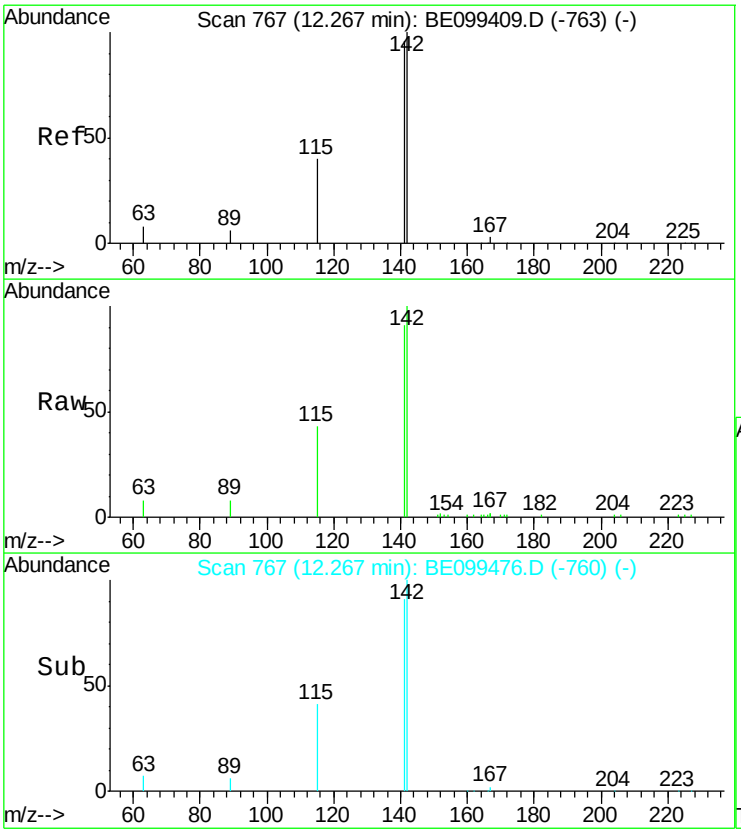
#11
2-Methylnaphthalene-d10
Concen: 0.448 ng
RT: 12.20 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:152 Resp: 6547

Ion	Ratio	Lower	Upper
152	100		
151	17.1	15.5	23.3

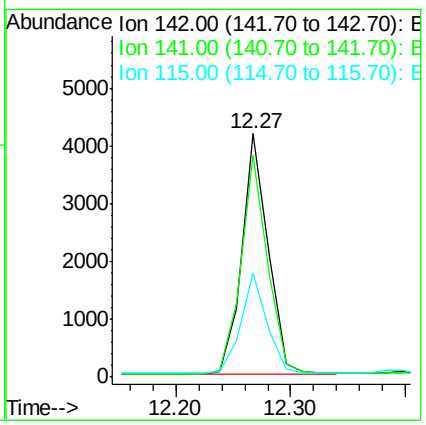


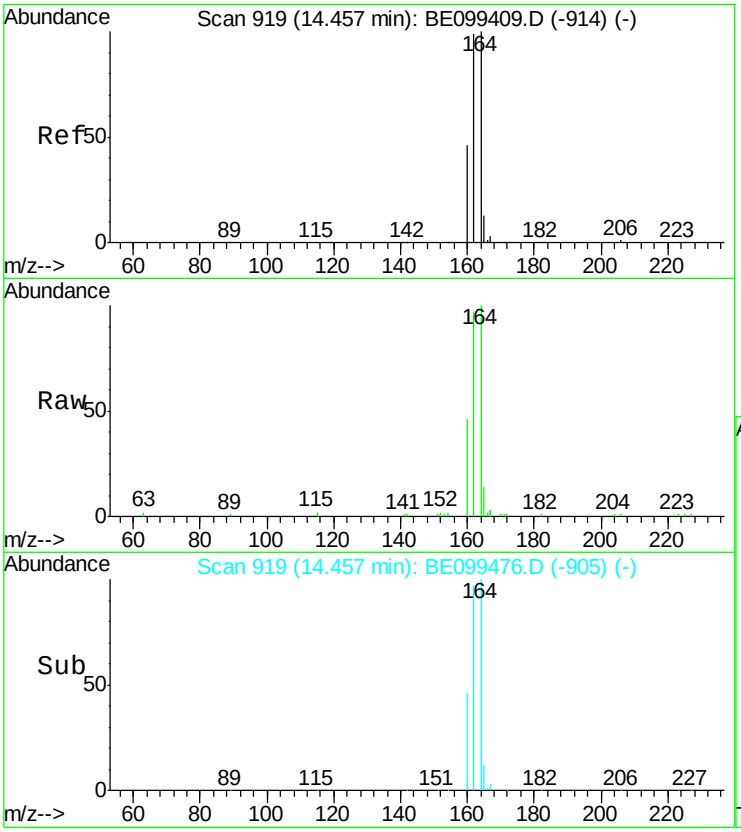


#12
2-Methylnaphthalene
Concen: 0.426 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:142 Resp: 6538

Ion	Ratio	Lower	Upper
142	100		
141	90.9	77.0	115.4
115	42.5	33.4	50.0



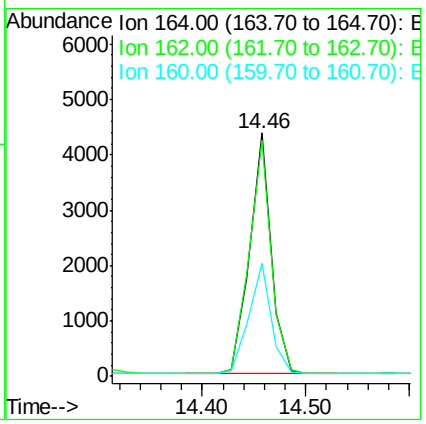


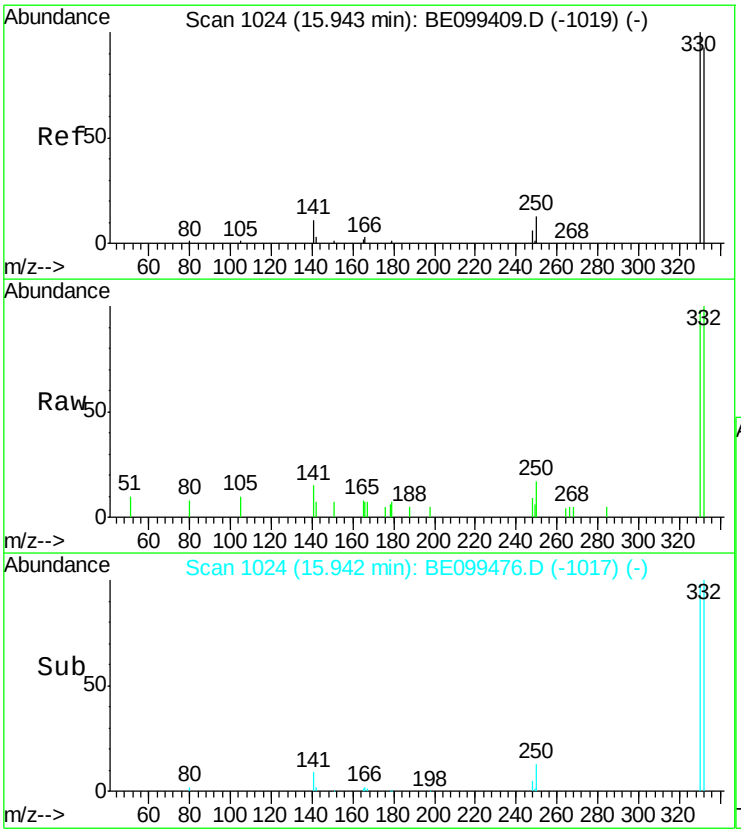
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:164 Resp: 6318

Ion	Ratio	Lower	Upper
164	100		
162	96.9	79.0	118.4
160	46.3	37.0	55.4

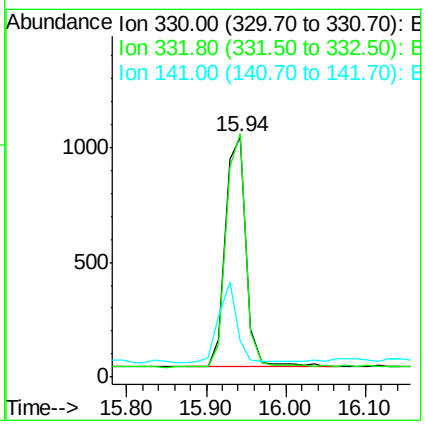


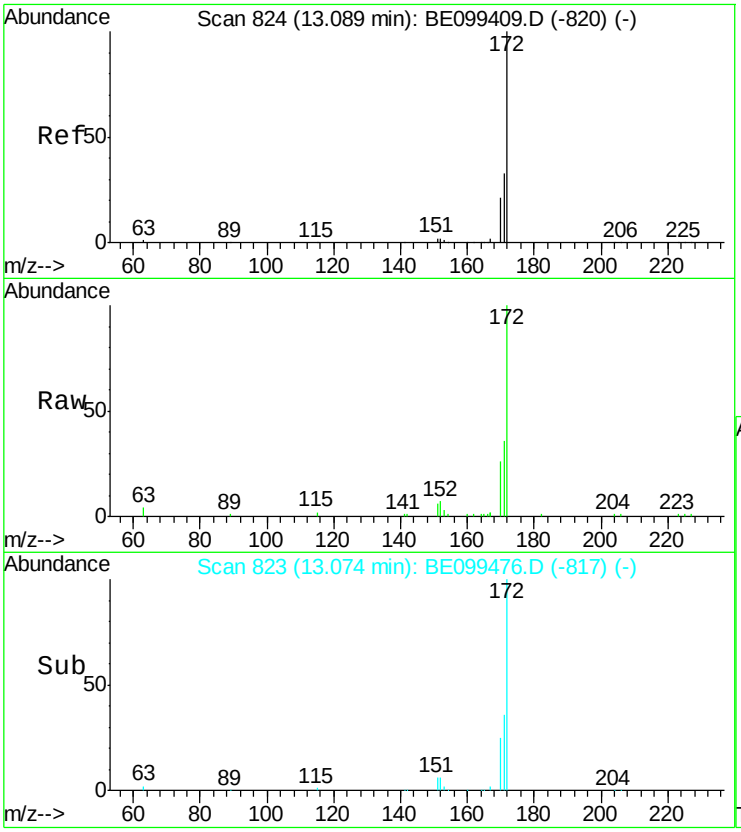


#14
2,4,6-Tribromophenol
Concen: 0.456 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:330 Resp: 1814

Ion	Ratio	Lower	Upper
330	100		
332	97.1	71.5	107.3
141	30.7	24.0	36.0



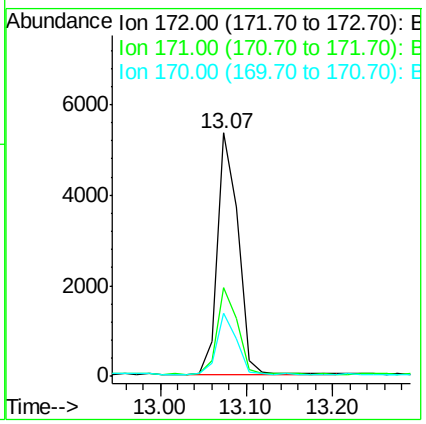


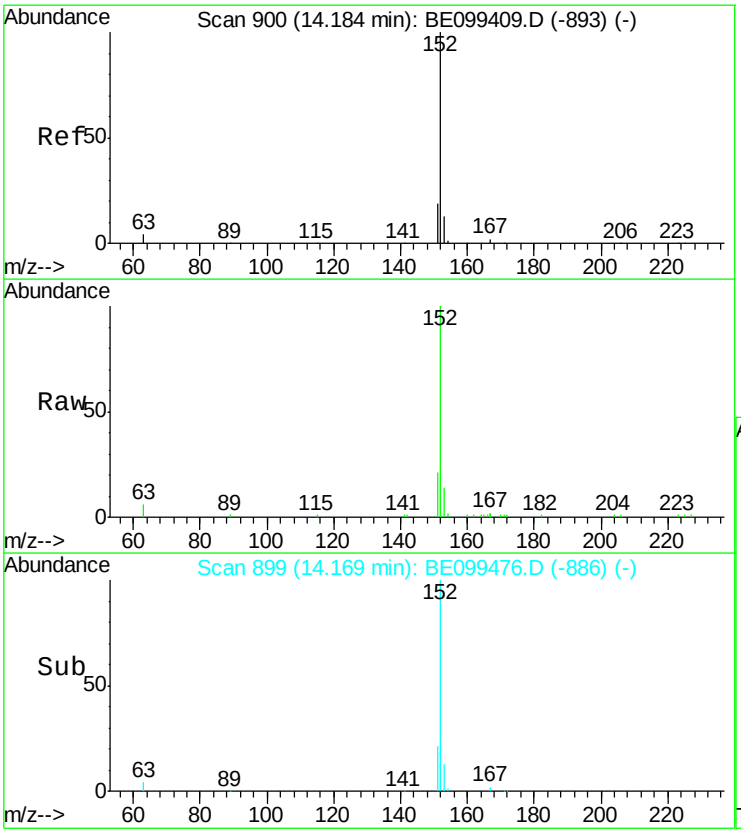
#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:172 Resp: 8747

Ion	Ratio	Lower	Upper
172	100		
171	36.2	26.6	39.8
170	26.2	17.0	25.6#

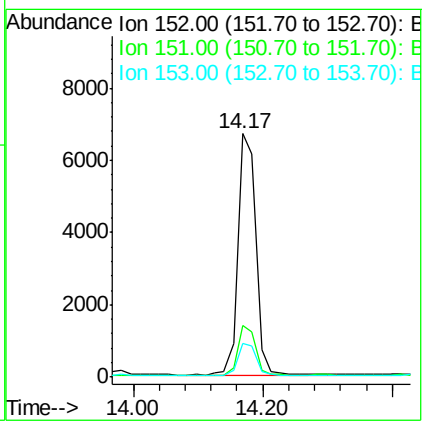


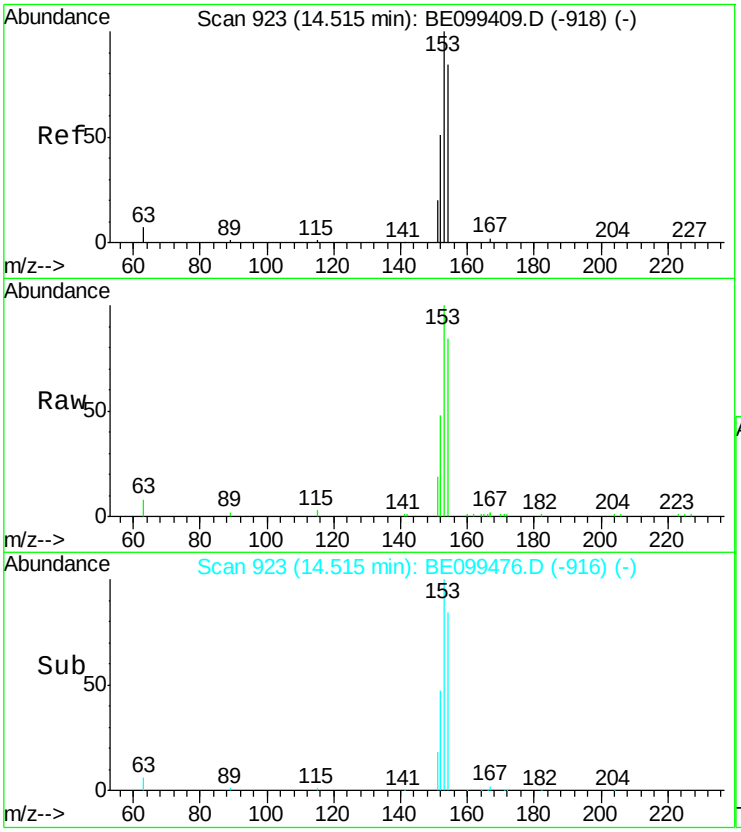


#16
Acenaphthylene
Concen: 0.412 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:152 Resp: 12740

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.2
153	13.0	9.8	14.6



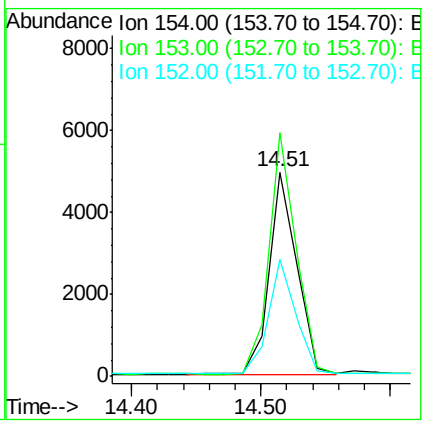


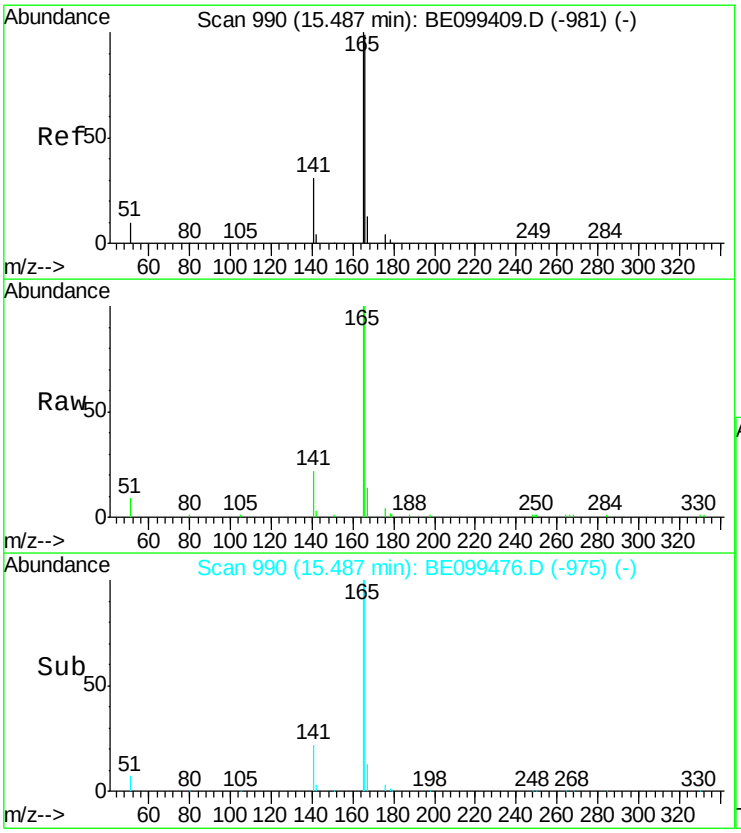
#17
Acenaphthene
Concen: 0.415 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:154 Resp: 7326

Ion	Ratio	Lower	Upper
154	100		
153	117.0	92.6	138.8
152	56.1	45.8	68.8

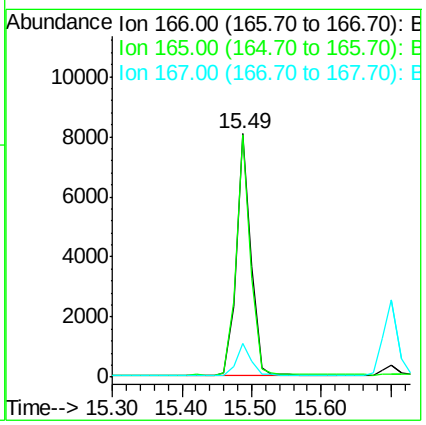


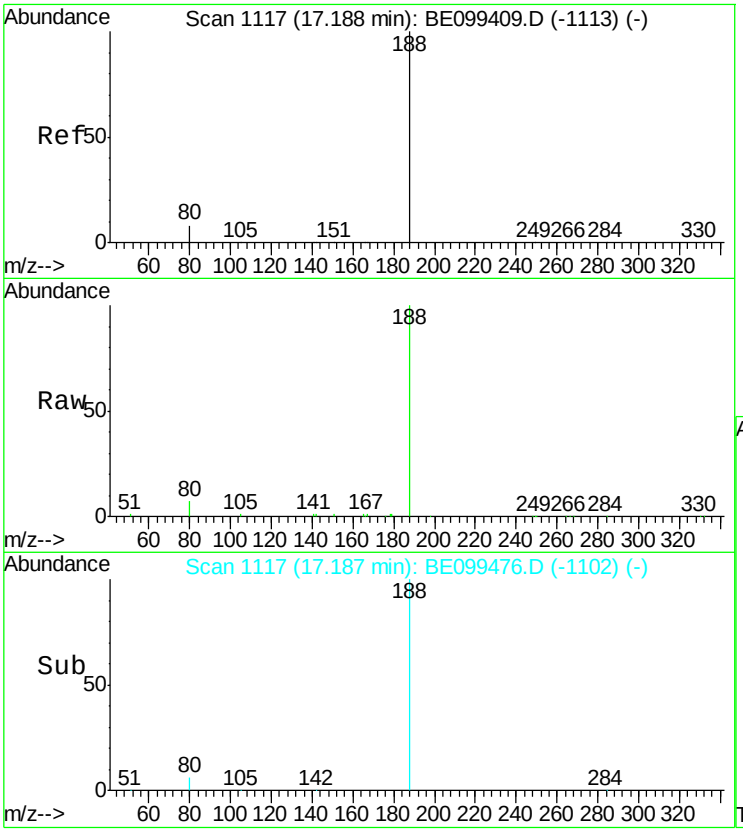


#18
Fluorene
Concen: 0.447 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:166 Resp: 11654

Ion	Ratio	Lower	Upper
166	100		
165	97.2	80.3	120.5
167	13.3	10.7	16.1



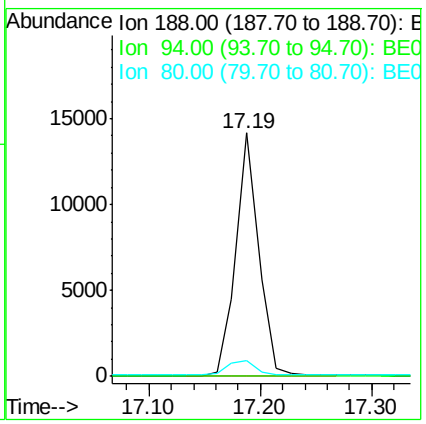


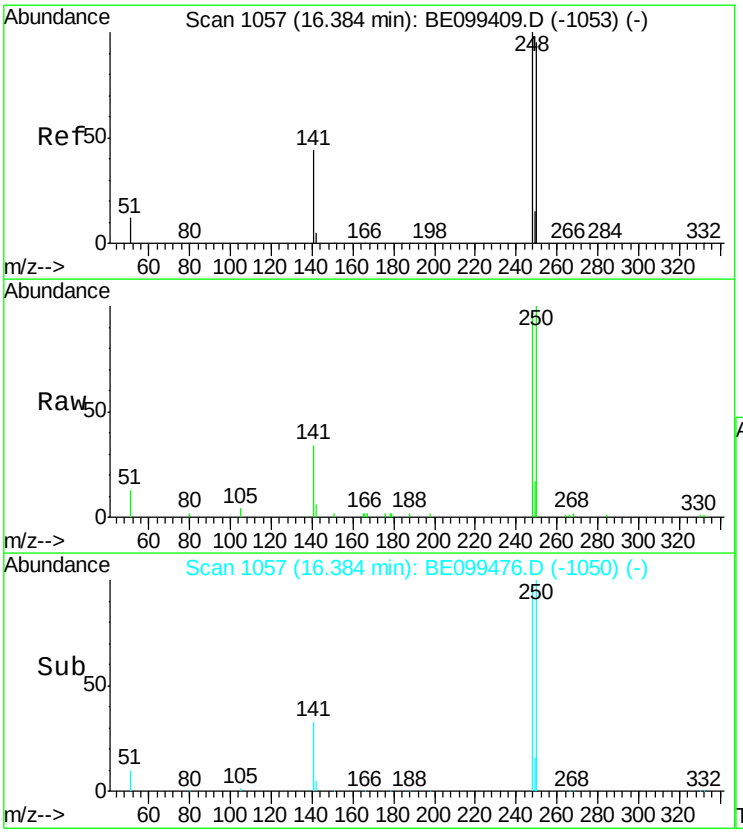
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:188 Resp: 20115

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

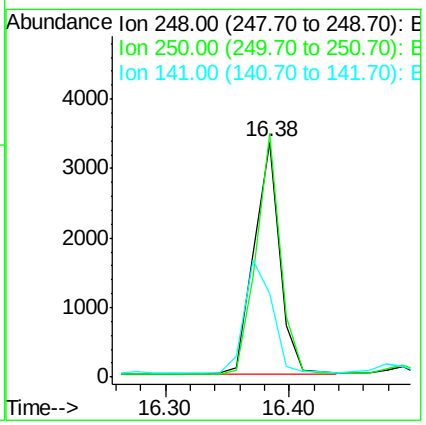


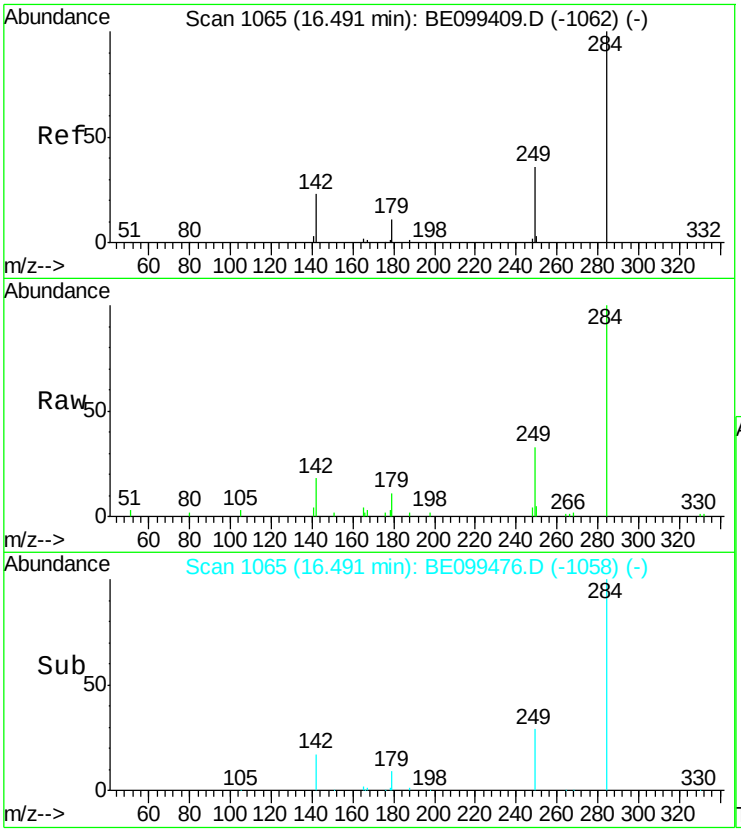


#20
4-Bromophenyl-phenylether
Concen: 0.407 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:248 Resp: 4768

Ion	Ratio	Lower	Upper
248	100		
250	103.6	75.8	113.8
141	35.6	35.7	53.5#



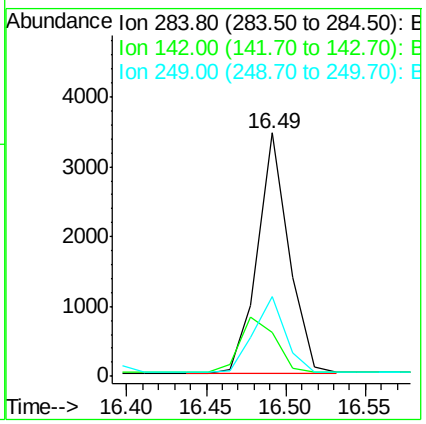


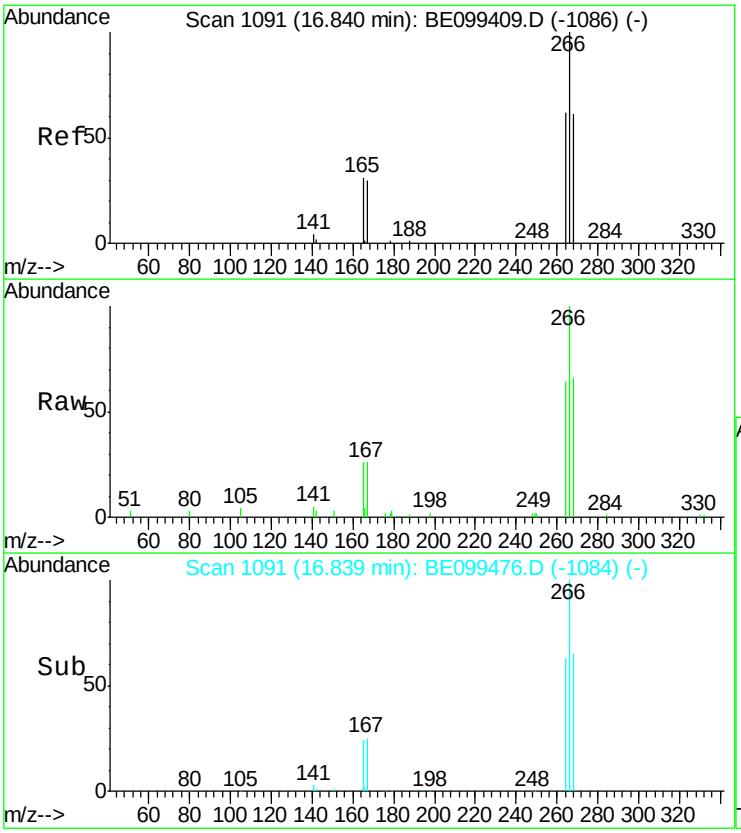
#21
Hexachlorobenzene
Concen: 0.424 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:284 Resp: 4728

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.0	31.6
249	32.1	26.7	40.1

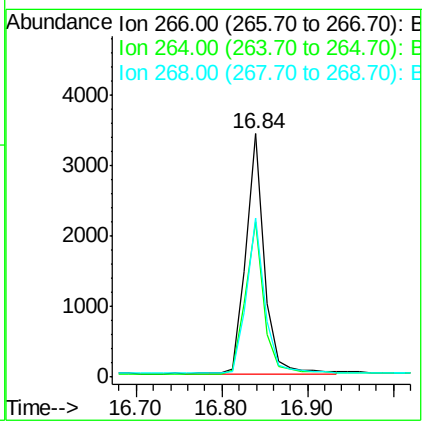


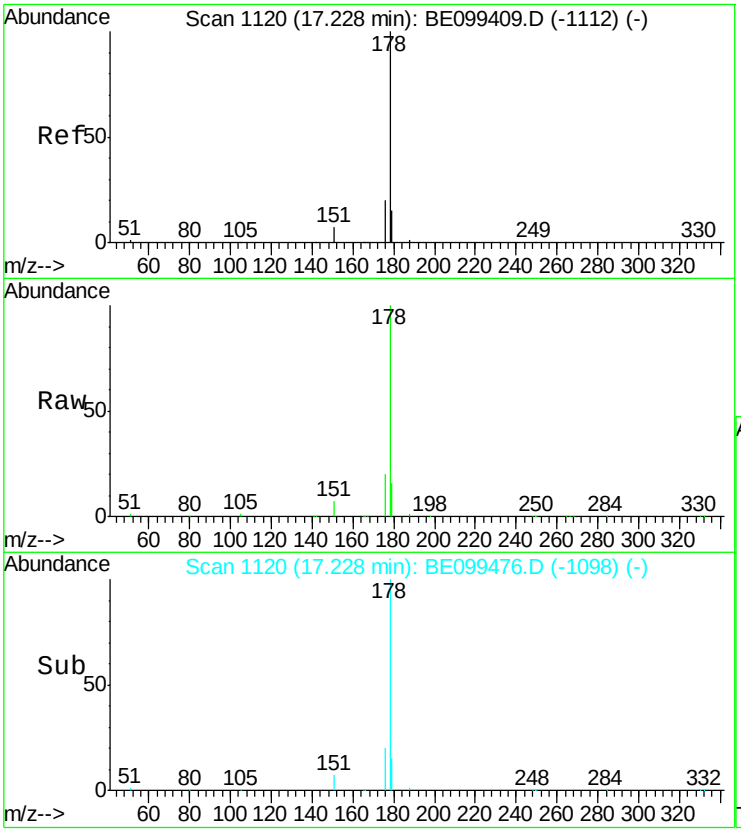


#22
Pentachlorophenol
Concen: 0.970 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:266 Resp: 5068

Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.8	76.2
268	65.5	50.5	75.7



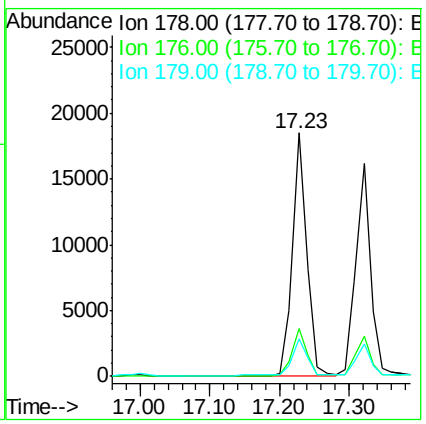


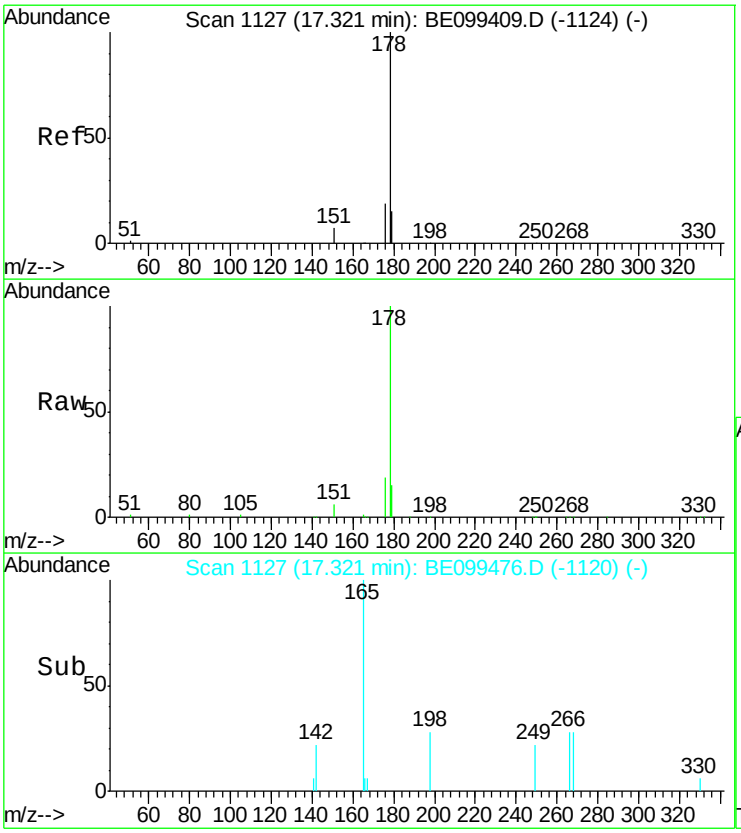
#23
Phenanthrene
Concen: 0.504 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:178 Resp: 26134

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.5	12.0	18.0

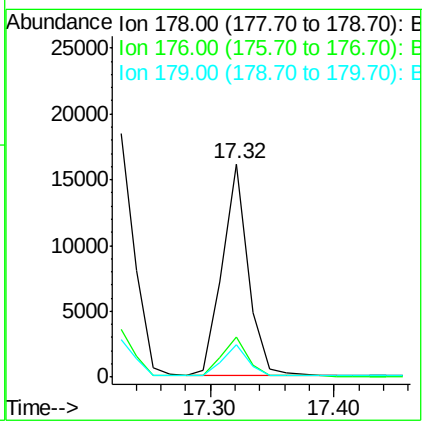


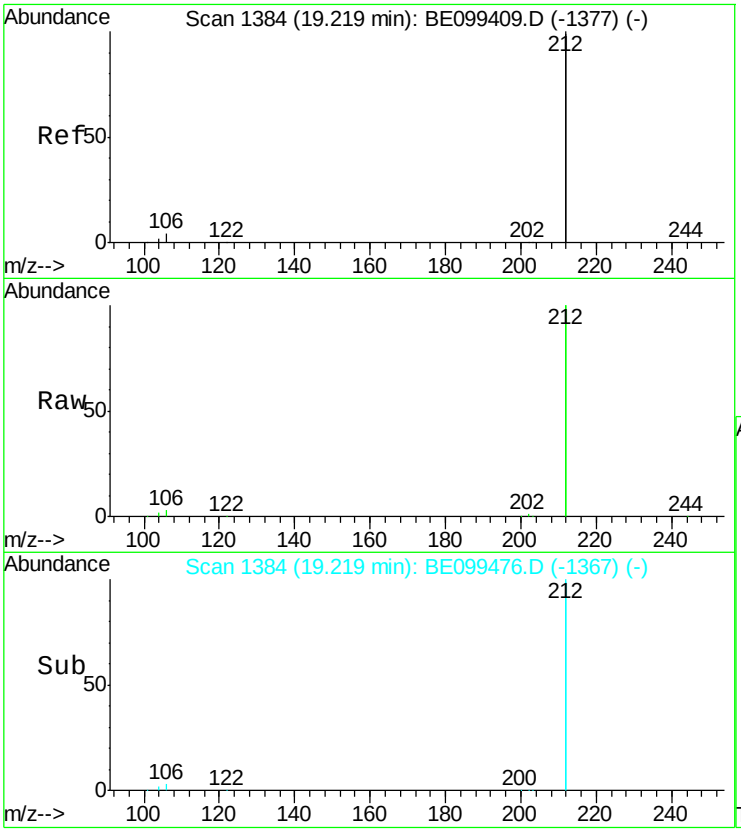


#24
Anthracene
Concen: 0.472 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:178 Resp: 23363

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



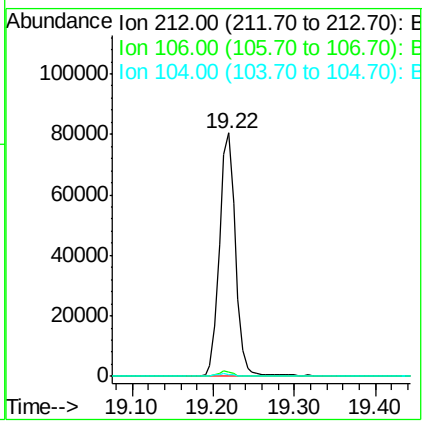


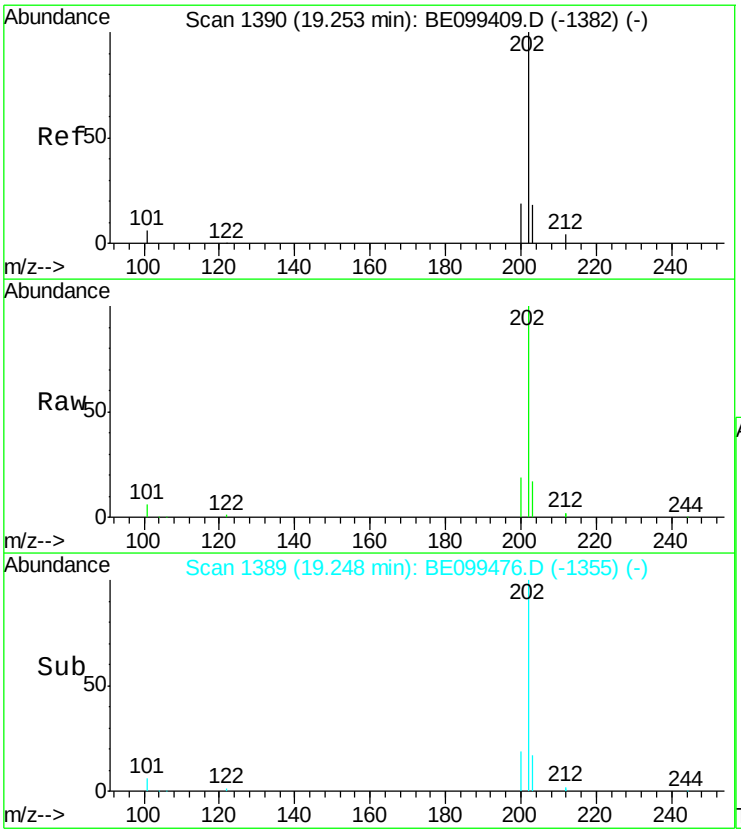
#25
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:212 Resp: 108245

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3

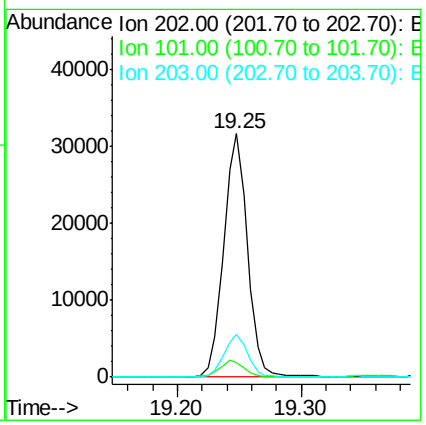


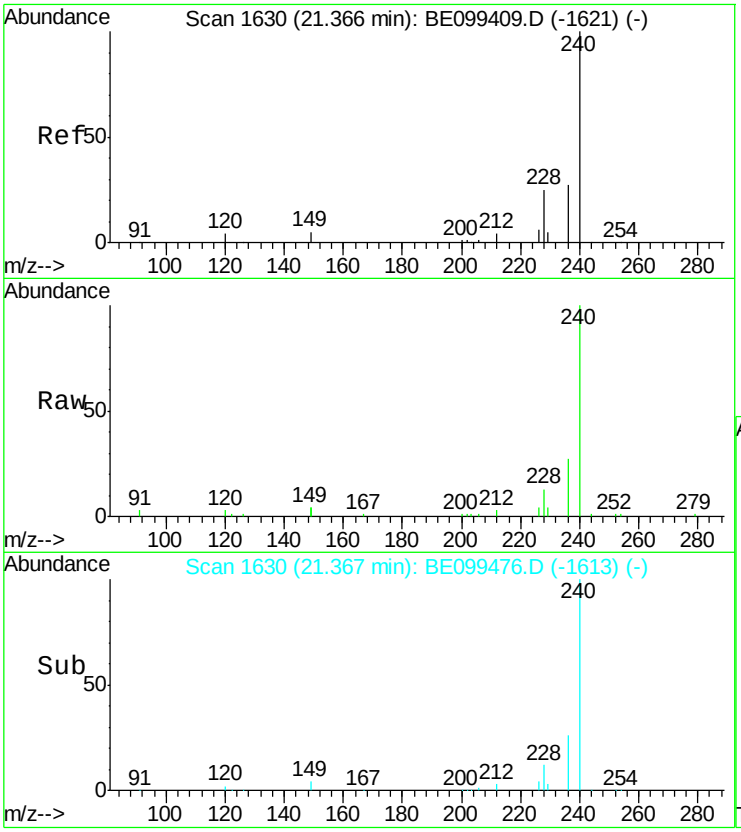


#26
Fluoranthene
Concen: 0.534 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:202 Resp: 41553

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.0	13.9	20.9



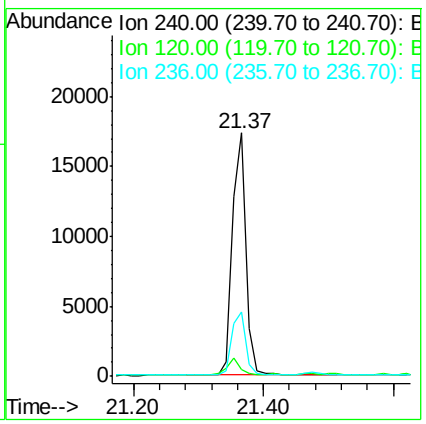


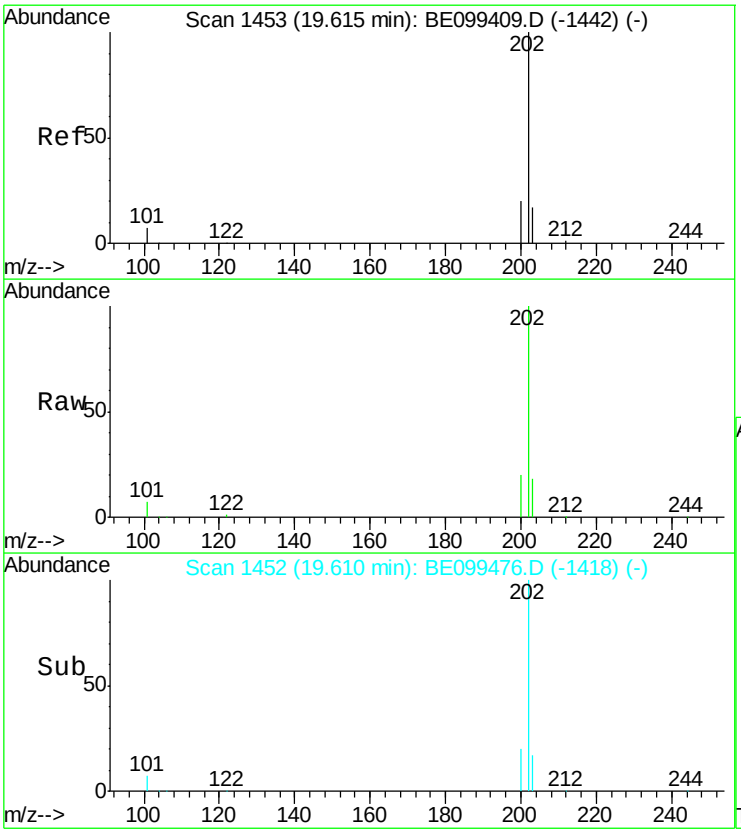
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:240 Resp: 25679

Ion	Ratio	Lower	Upper
240	100		
120	3.0	4.0	6.0#
236	26.6	22.0	33.0

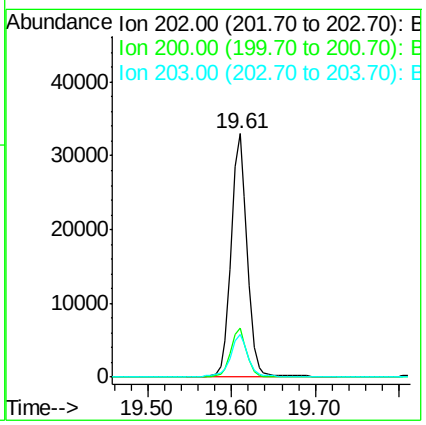


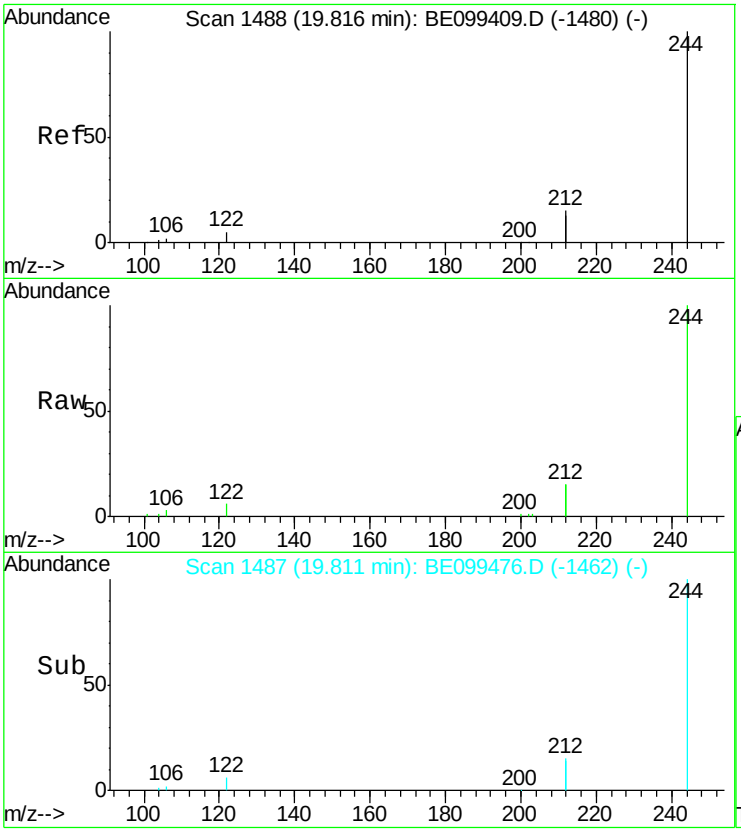


#28
Pyrene
Concen: 0.650 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:202 Resp: 43524

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



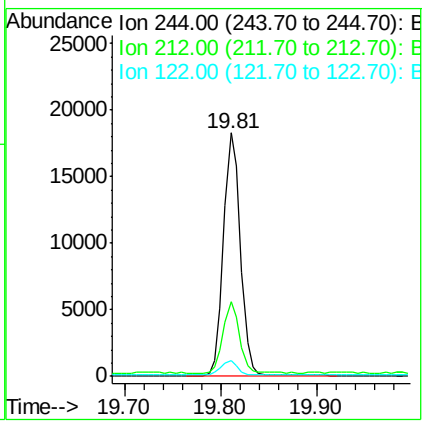


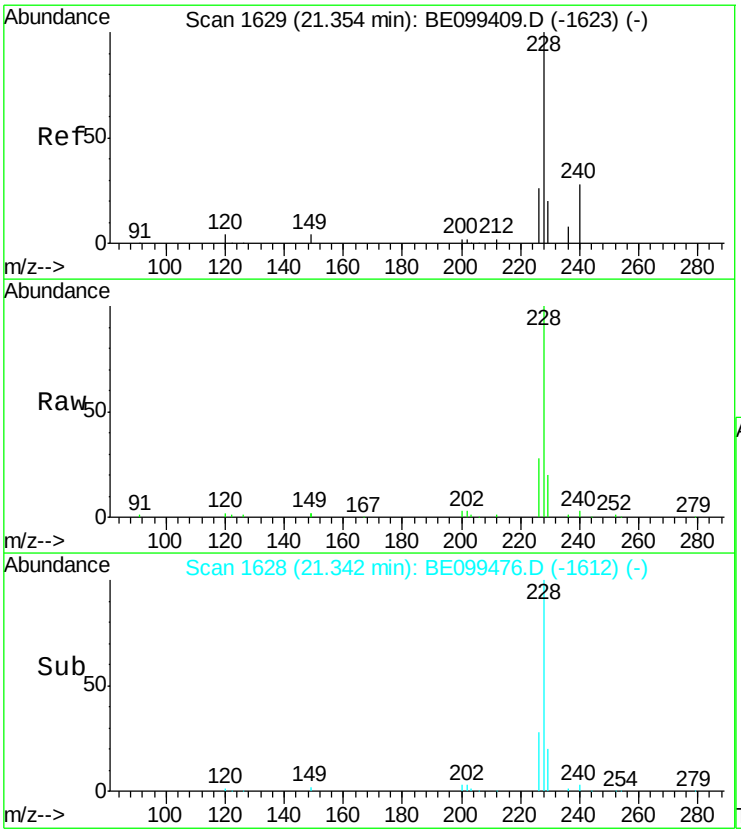
#29
Terphenyl-d14
Concen: 0.475 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:244 Resp: 22361

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

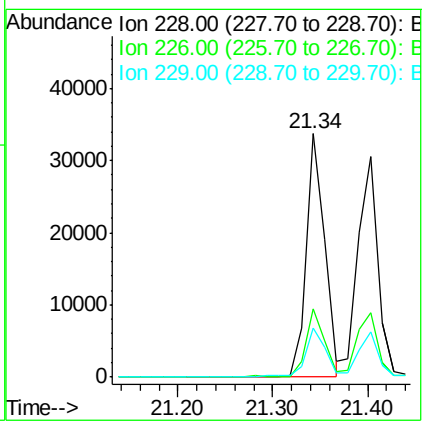


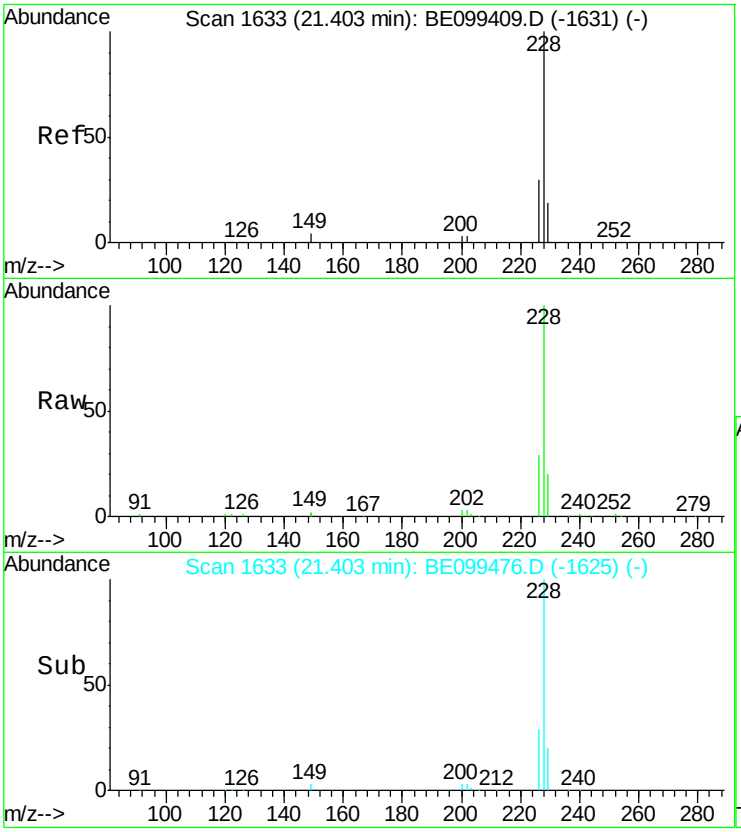


#30
Benzo(a)anthracene
Concen: 0.549 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:228 Resp: 44935

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.0	31.6
229	20.0	16.6	25.0



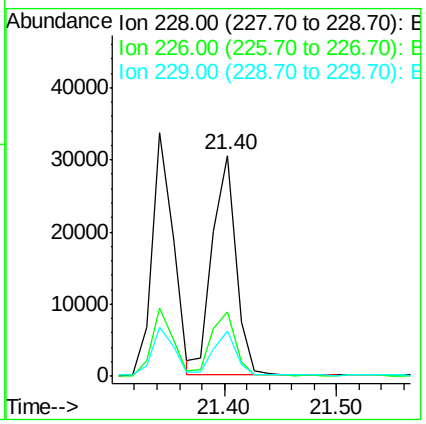


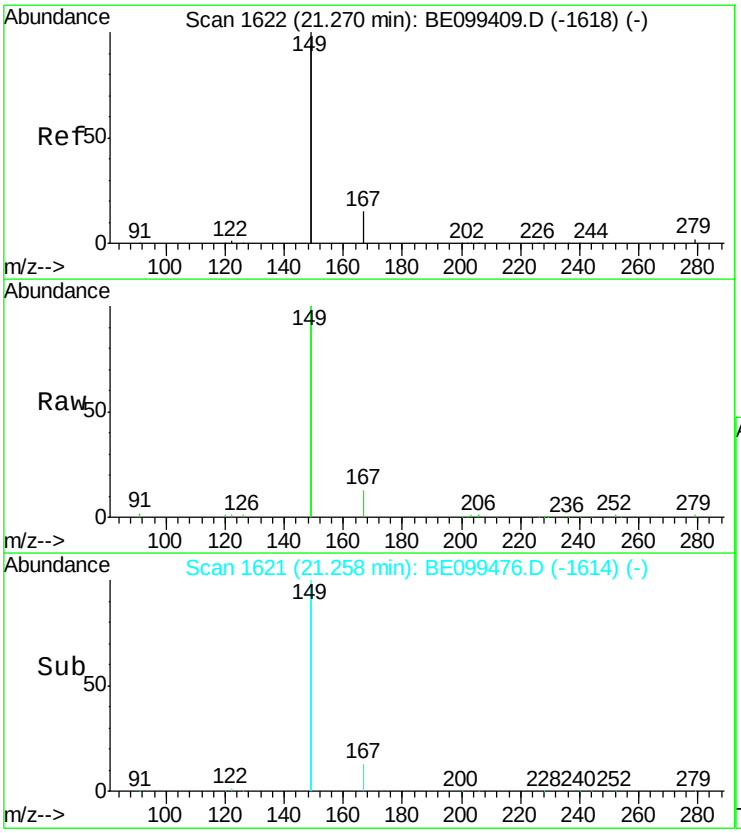
#31
Chrysene
Concen: 0.555 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:228 Resp: 44430

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	20.3	15.8	23.8

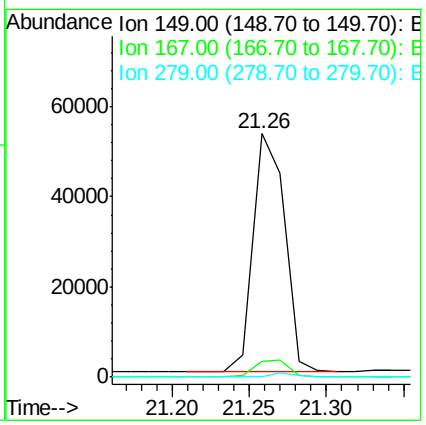


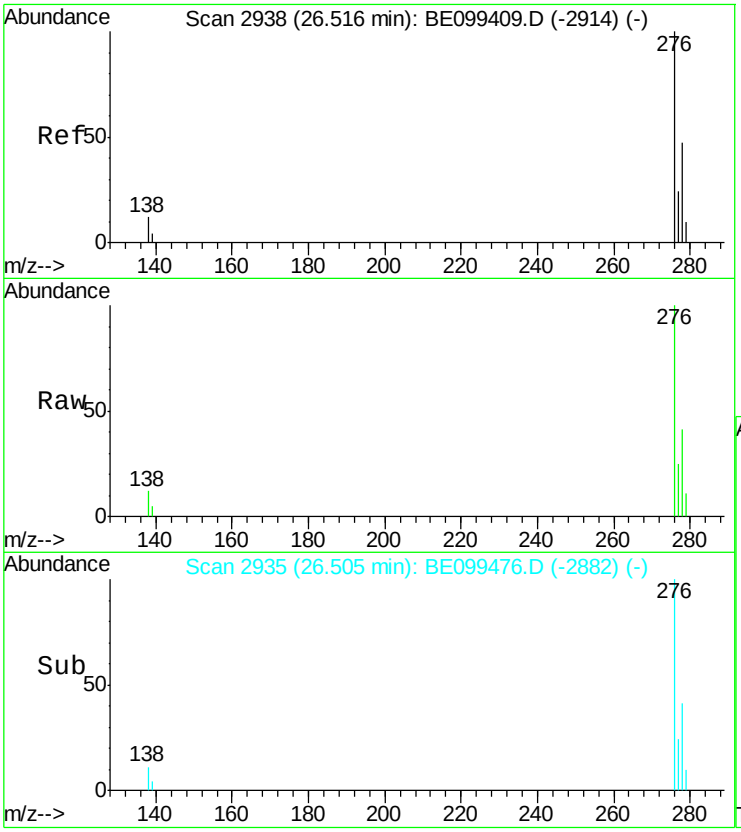


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.577 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:149 Resp: 74842

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.8	8.6
279	1.5	1.0	1.6



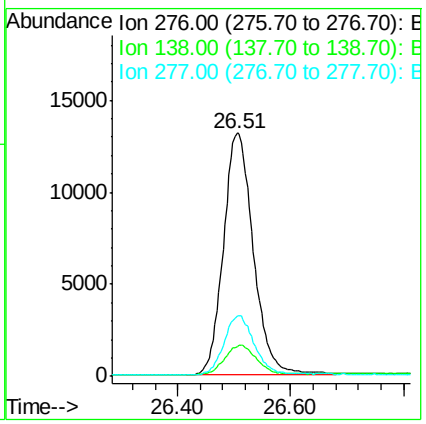


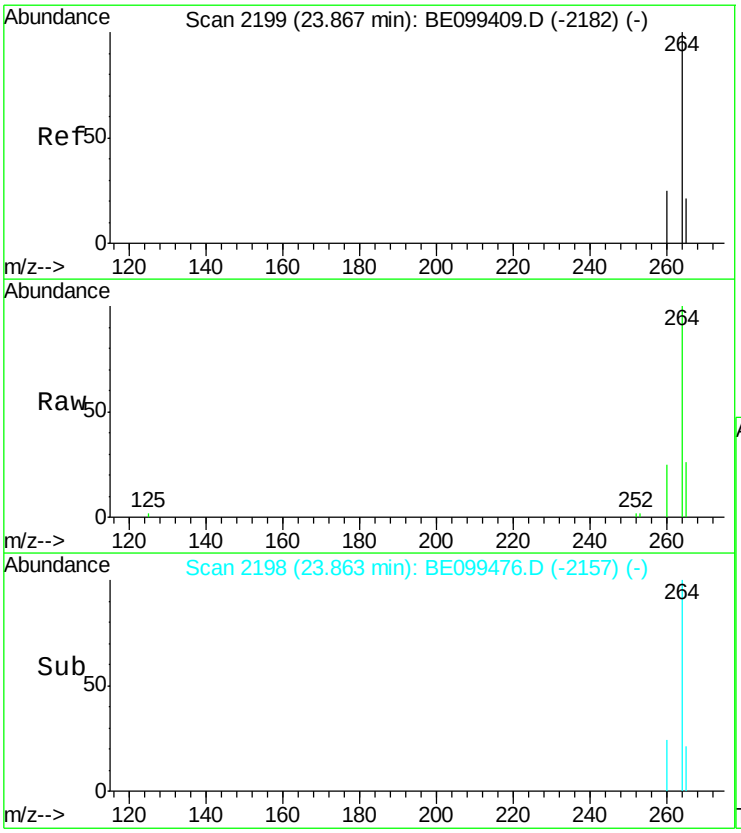
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng
RT: 26.51 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:276 Resp: 48114

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.2	15.2
277	24.4	19.2	28.8

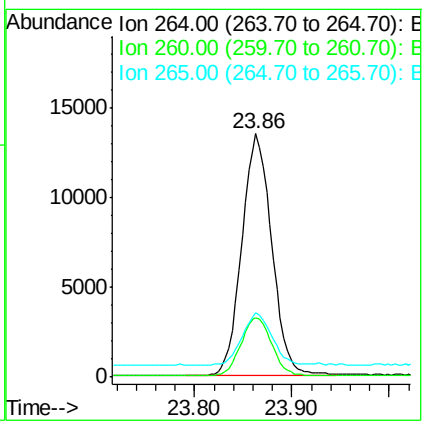


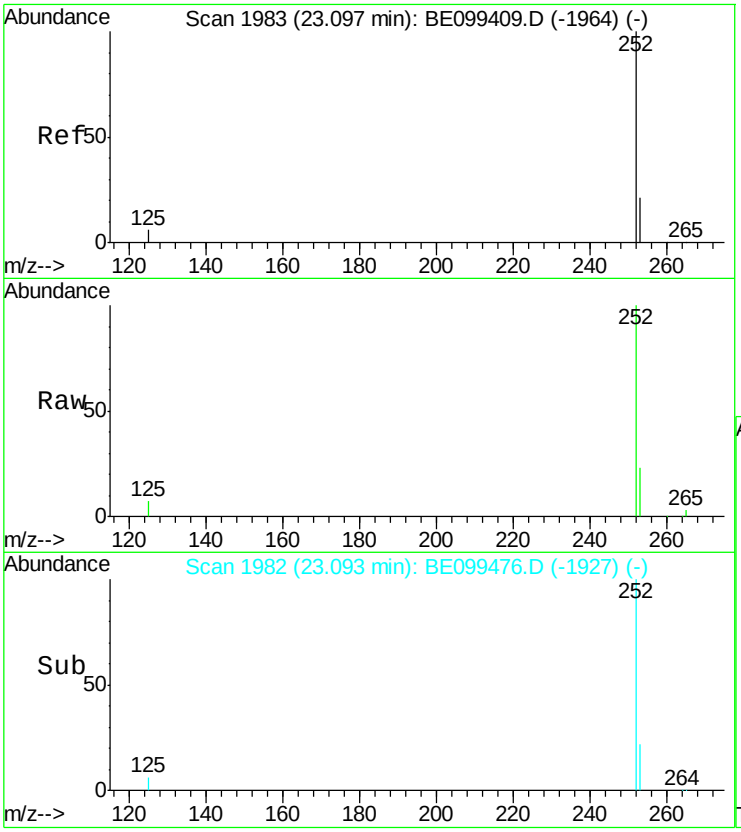


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:264 Resp: 28984

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	26.2	21.3	31.9



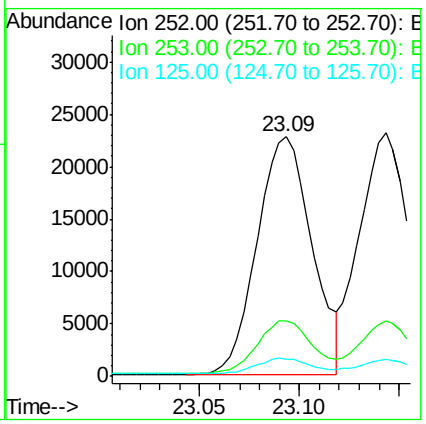


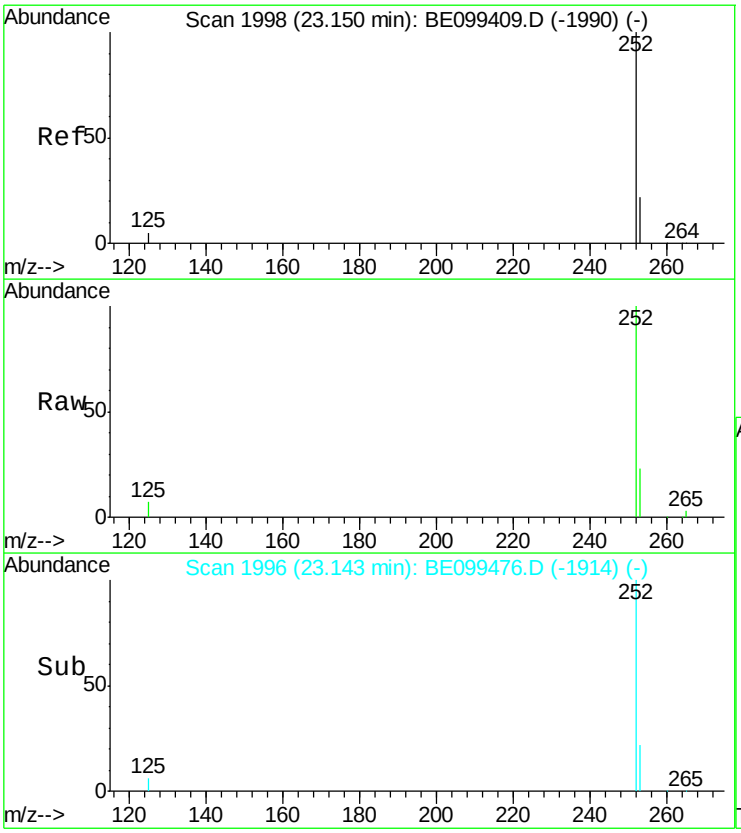
#35
Benzo(b)fluoranthene
Concen: 0.519 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:252 Resp: 43396

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	7.1	5.6	8.4

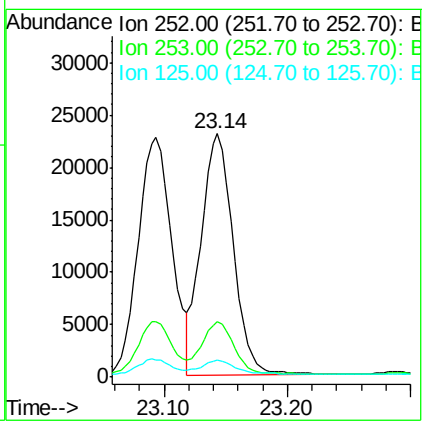


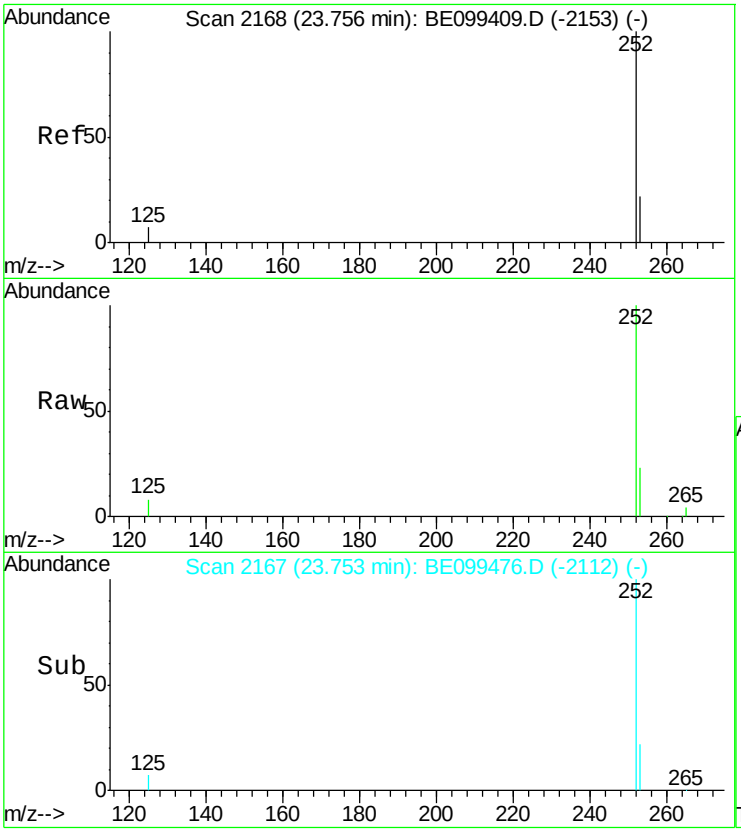


#36
Benzo(k)fluoranthene
Concen: 0.516 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:252 Resp: 41592

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	6.8	5.0	7.4



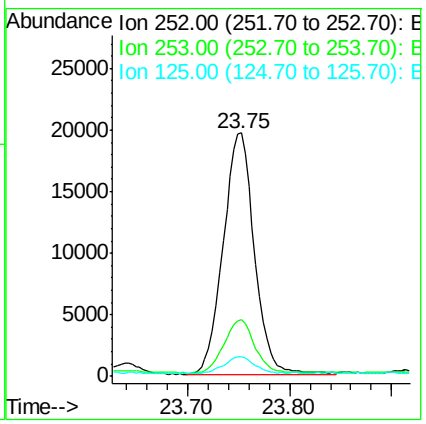


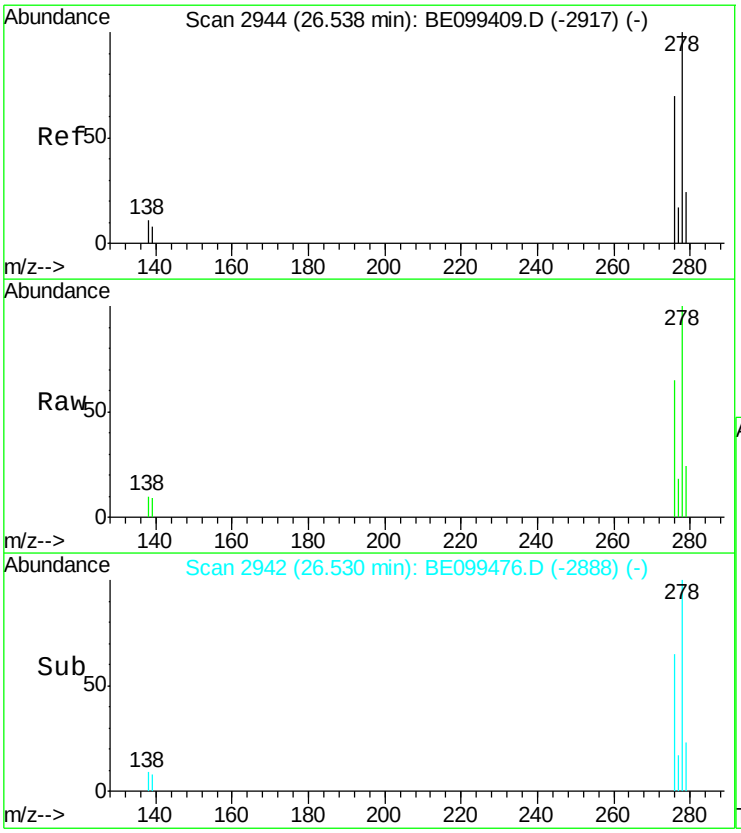
#37
Benzo(a)pyrene
Concen: 0.524 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:252 Resp: 41381

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	8.0	6.7	10.1

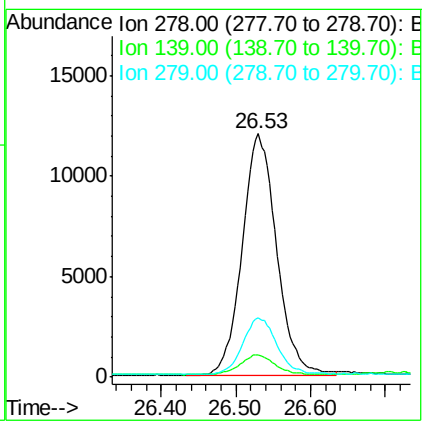


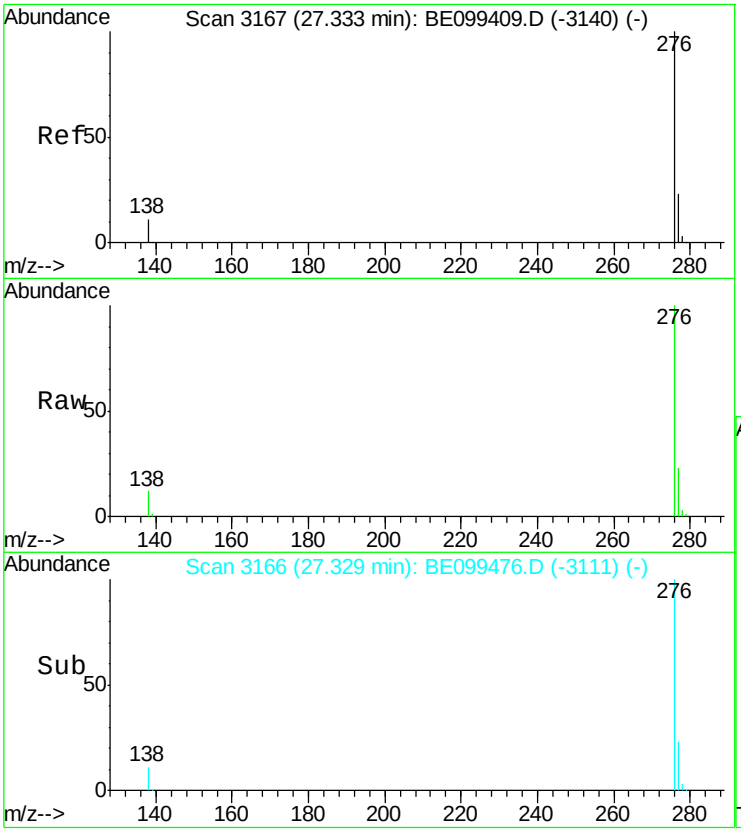


#38
Dibenzo(a,h)anthracene
Concen: 0.476 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Tgt Ion:278 Resp: 38494

Ion	Ratio	Lower	Upper
278	100		
139	8.9	7.7	11.5
279	24.3	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.503 ng
RT: 27.33 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BE099476.D
Acq: 1 May 2019 23:10

Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

Tgt Ion:276 Resp: 40712

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.5	29.3
138	11.8	9.6	14.4