Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099456.D
Acq On : 1 May 2019 10:17
Operator : JU/SJ
Sample : K2587-16MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 02 04:12:43 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	2096	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	7711	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	5609	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	18162	0.40	ng		0.00
27) Chrysene-d12	21.37	240	26777	0.40	ng		0.00
34) Perylene-d12	23.86	264	30443	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1849	0.32	ng		0.00
5) Phenol-d6	6.97	99	2635	0.34	ng		0.00
8) Nitrobenzene-d5	8.96	82	1991	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	4965	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1112	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	5645	0.26	ng		-0.02
25) Fluoranthene-d10	19.21	212	66097	0.27	ng		0.00
29) Terphenyl-d14	19.81	244	13223	0.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	699	0.242	ng	#	42
3) n-Nitrosodimethylamine	3.64	42	401	0.231	ng	#	1
6) bis(2-Chloroethyl)ether	7.23	93	1920	0.289	ng		99
9) Naphthalene	10.65	128	25019	0.298	ng		100
10) Hexachlorobutadiene	10.93	225	1402	0.240	ng		97
12) 2-Methylnaphthalene	12.27	142	4467	0.306	ng		96
16) Acenaphthylene	14.17	152	8189	0.298	ng		98
17) Acenaphthene	14.51	154	4833	0.308	ng		98
18) Fluorene	15.49	166	7013	0.303	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	2651	0.251	ng	#	87
21) Hexachlorobenzene	16.49	284	2721	0.270	ng		99
22) Pentachlorophenol	16.84	266	1342	0.437	ng		98
23) Phenanthrene	17.23	178	22556	0.481	ng		99
24) Anthracene	17.32	178	14921	0.334	ng		100
26) Fluoranthene	19.25	202	37415	0.533	ng		100
28) Pyrene	19.61	202	36840	0.528	ng		98
30) Benzo(a)anthracene	21.34	228	35391	0.415	ng		98
31) Chrysene	21.40	228	34704	0.416	ng		97
32) Bis(2-ethylhexyl)phthalate	21.26	149	42834	0.284	ng		100
33) Indeno(1,2,3-cd)pyrene	26.50	276	33056	0.335	ng		100
35) Benzo(b)fluoranthene	23.14	252	29572	0.337	ng		97
36) Benzo(k)fluoranthene	23.14	252	29964	0.354	ng	#	97
37) Benzo(a)pyrene	23.75	252	30971	0.373	ng	#	97
38) Dibenzo(a,h)anthracene	26.53	278	25005	0.295	ng		100
39) Benzo(g,h,i)perylene	27.32	276	28283	0.333	ng		98

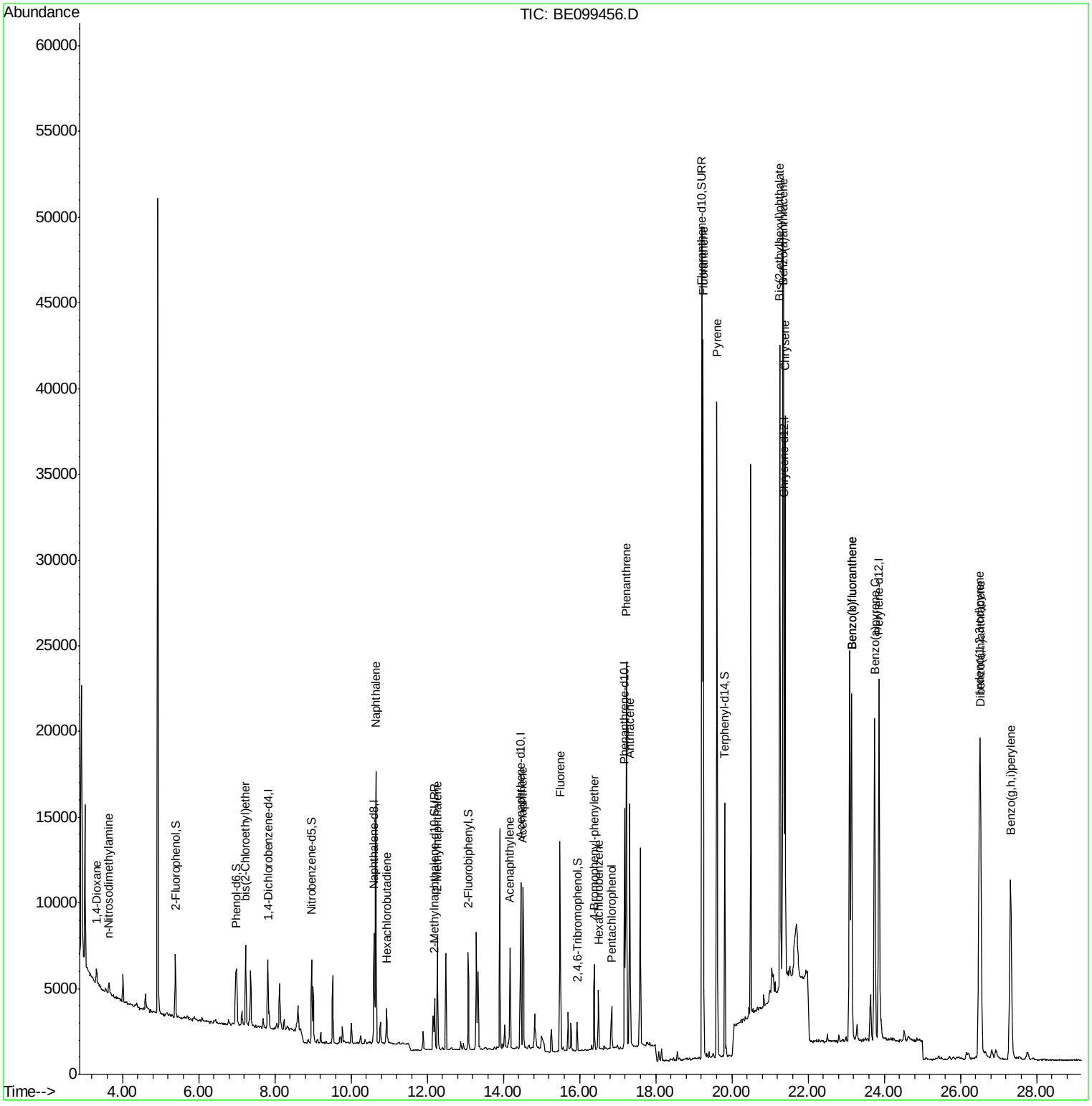
(#) = qualifier out of range (m) = manual integration (+) = signals summed

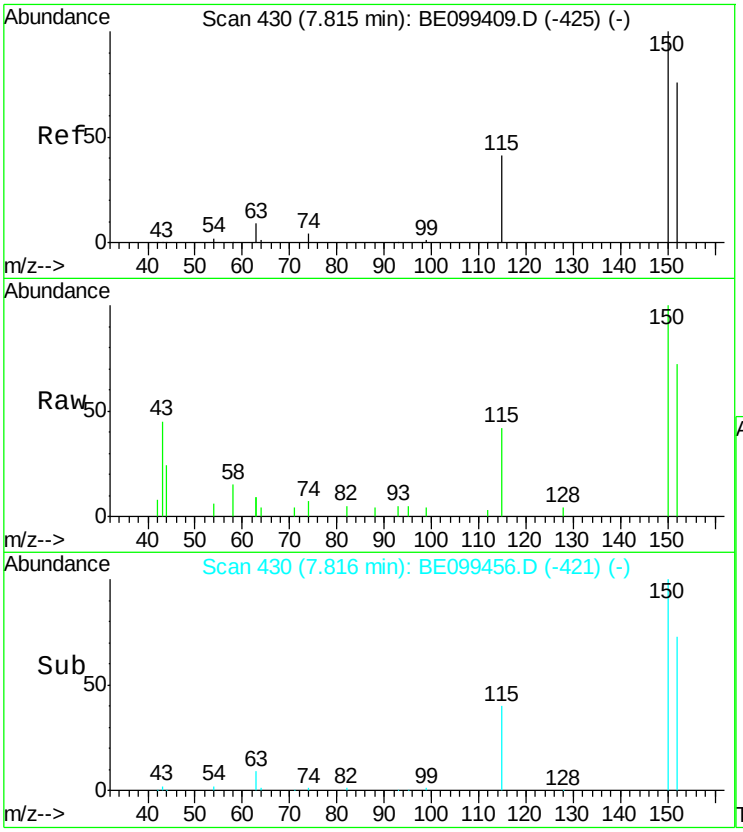
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099456.D
Acq On : 1 May 2019 10:17
Operator : JU/SJ
Sample : K2587-16MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 02 04:12:43 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



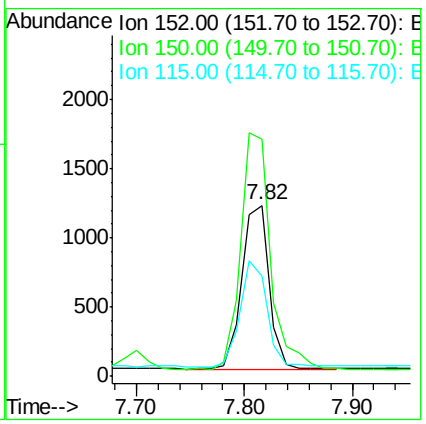


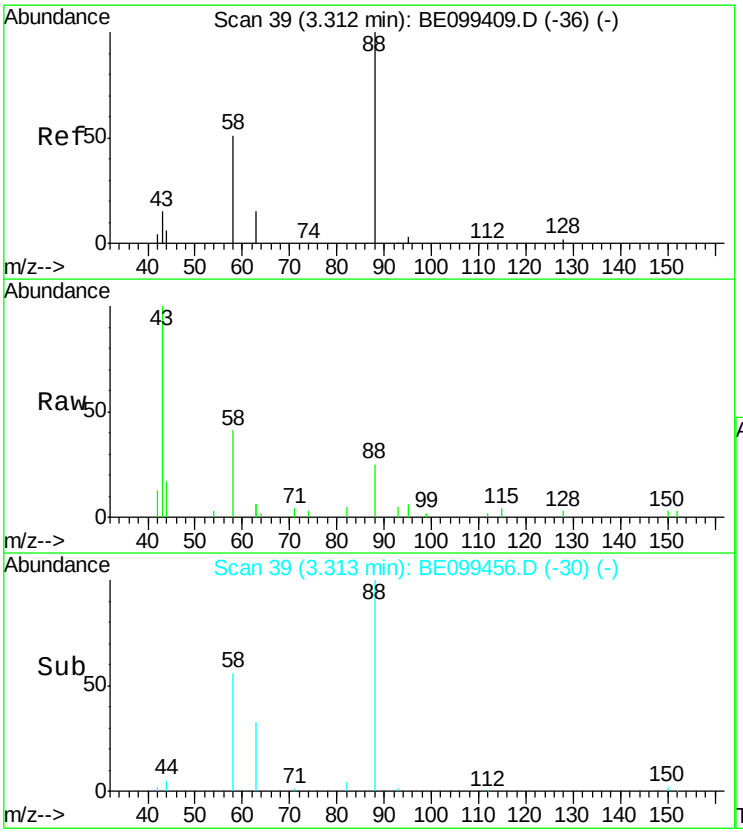
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:152 Resp: 2096

Ion	Ratio	Lower	Upper
152	100		
150	138.3	104.8	157.2
115	58.4	46.6	69.8

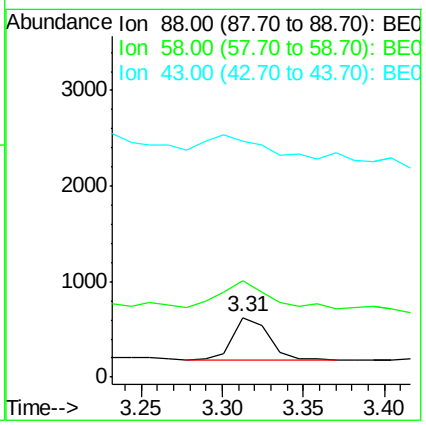


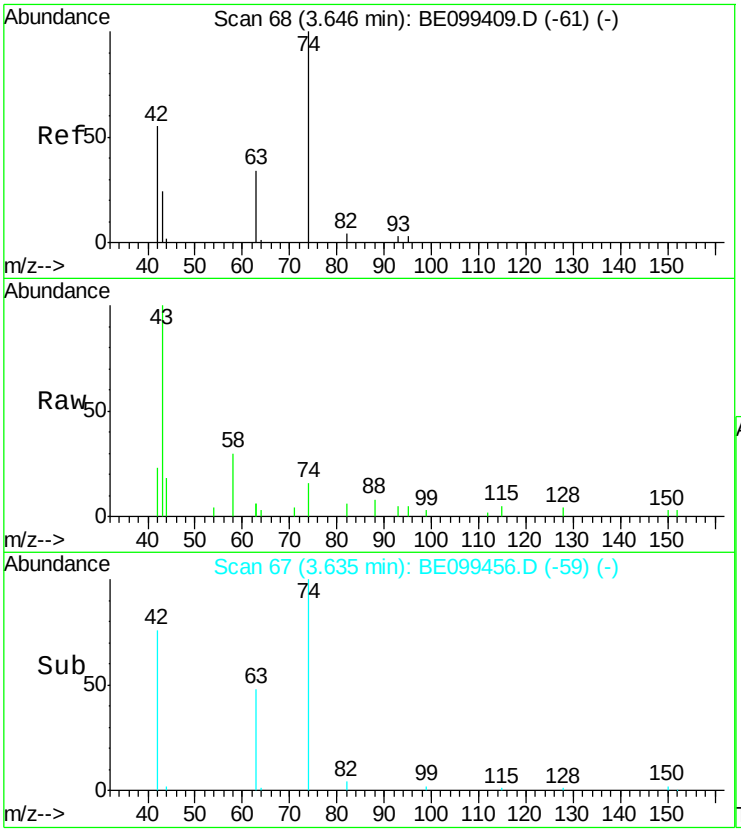


#2
1,4-Dioxane
Concen: 0.242 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion: 88 Resp: 699

Ion	Ratio	Lower	Upper
88	100		
58	88.6	51.0	76.6#
43	87.8	20.6	30.8#



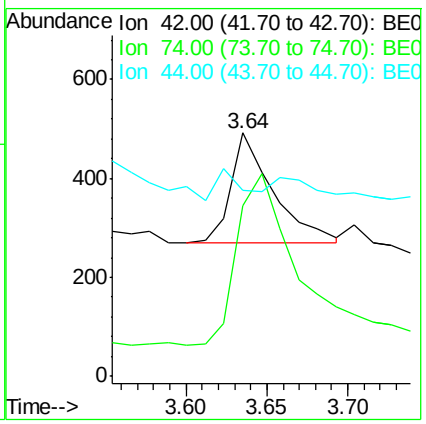


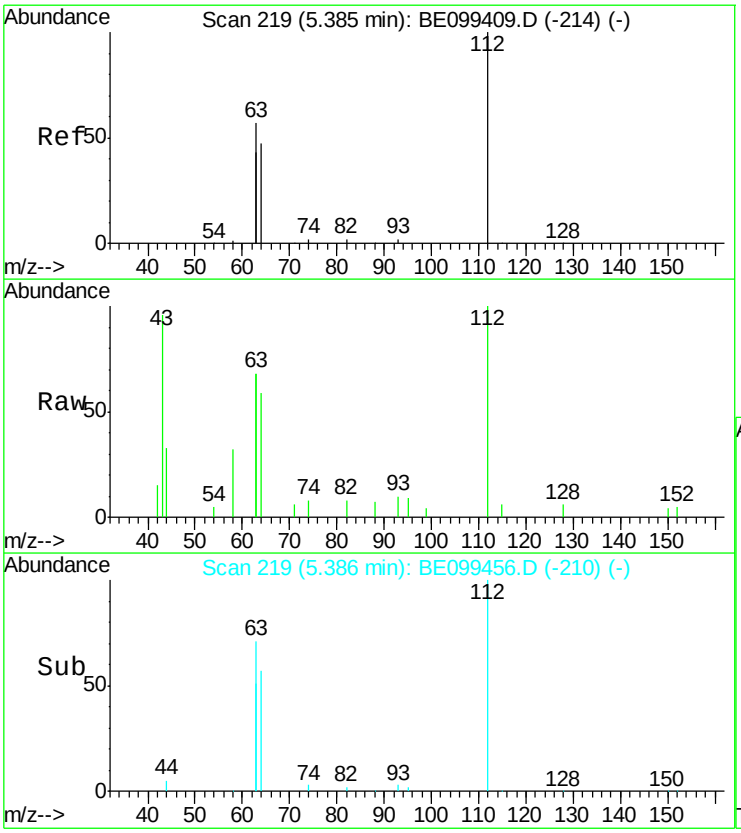
#3
n-Nitrosodimethylamine
Concen: 0.231 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion: 42 Resp: 401

Ion	Ratio	Lower	Upper
42	100		
74	0.0	141.6	212.4#
44	17.2	0.0	0.0#

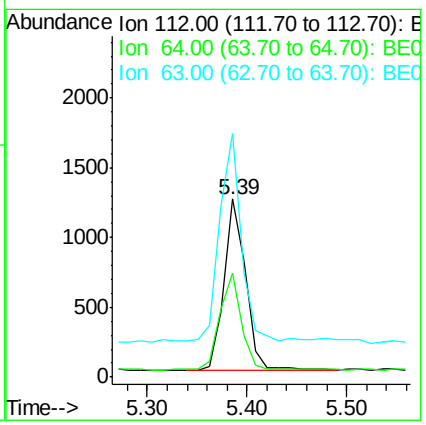


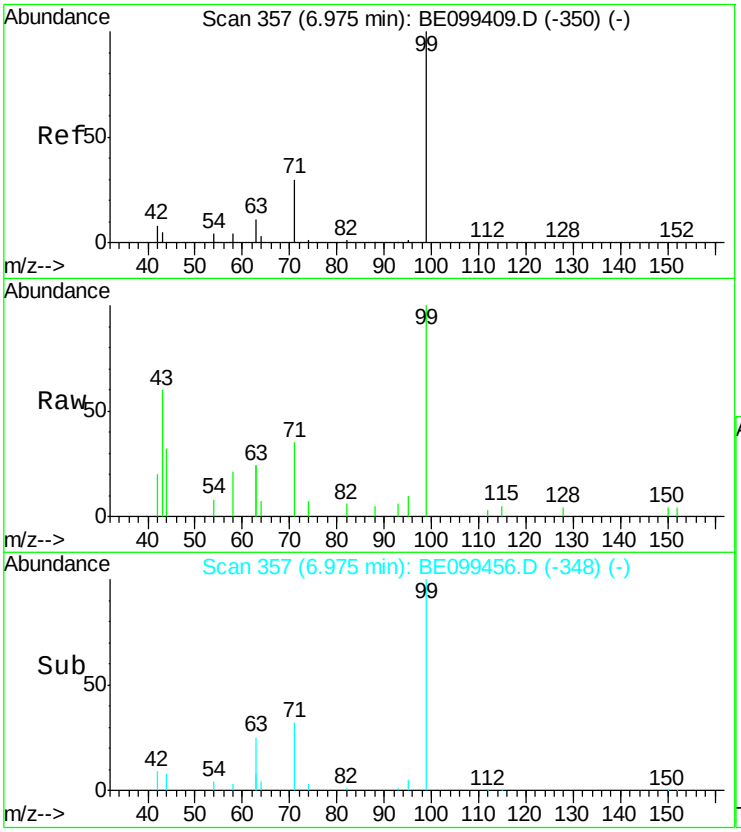


#4
2-Fluorophenol
Concen: 0.319 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:112 Resp: 1849

Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.4	71.0
63	120.3	104.3	156.5



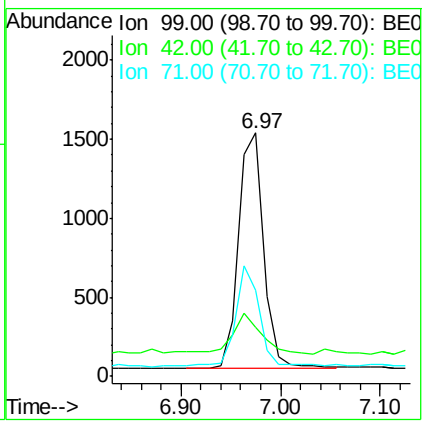


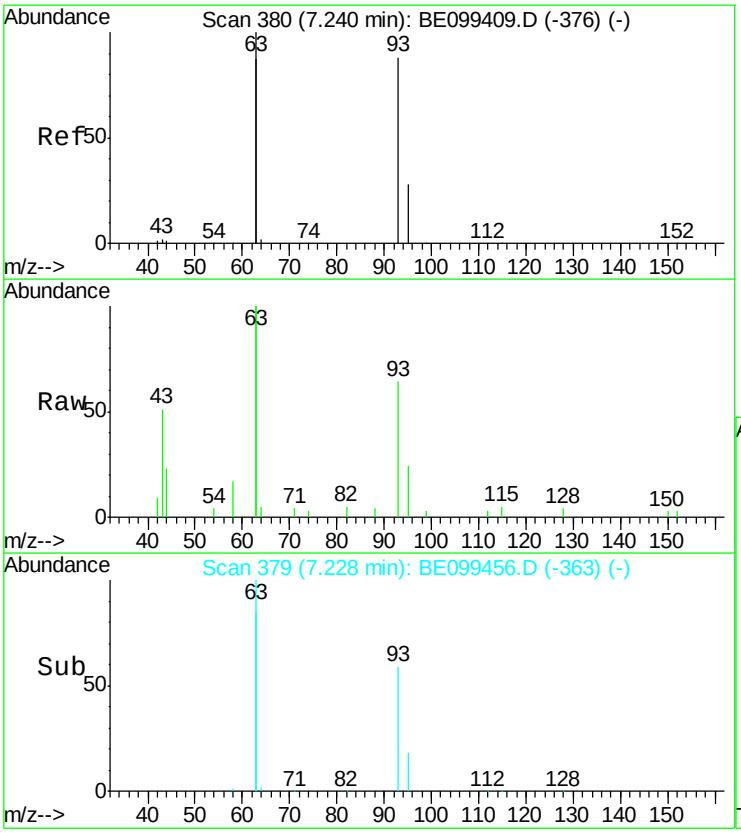
#5
Phenol-d6
Concen: 0.342 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion: 99 Resp: 2635

Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.9	22.3
71	39.0	33.0	49.6

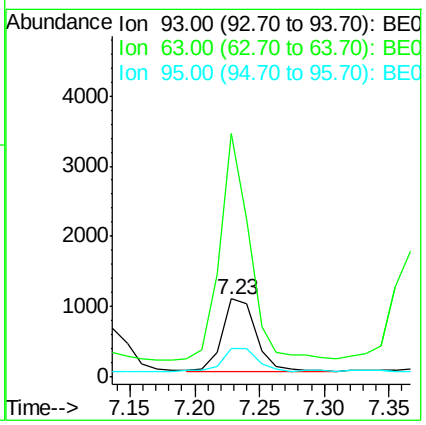


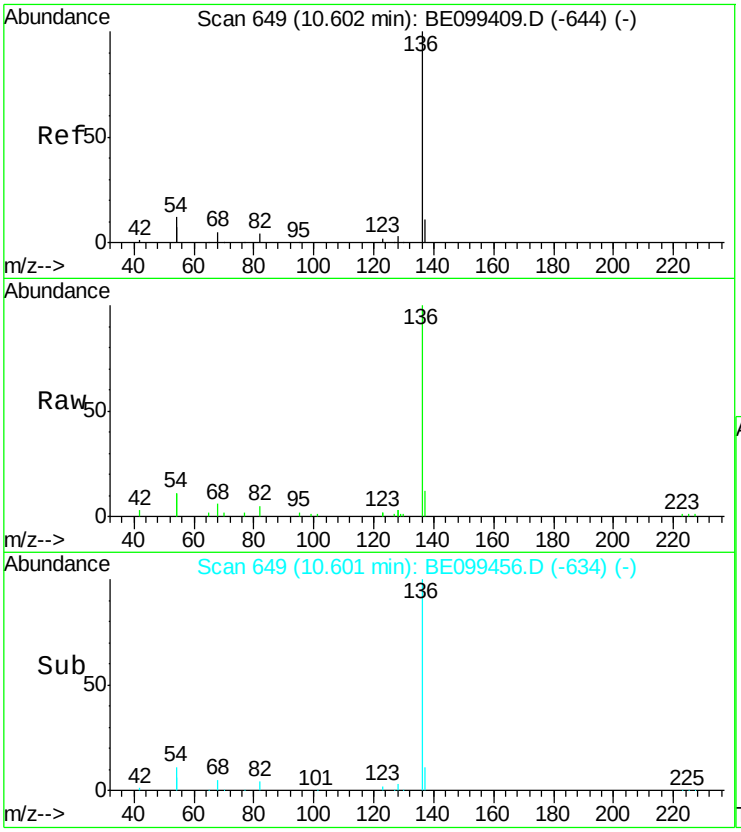


#6
bis(2-Chloroethyl)ether
Concen: 0.289 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion: 93 Resp: 1920

Ion	Ratio	Lower	Upper
93	100		
63	267.0	215.6	323.4
95	34.2	26.2	39.2



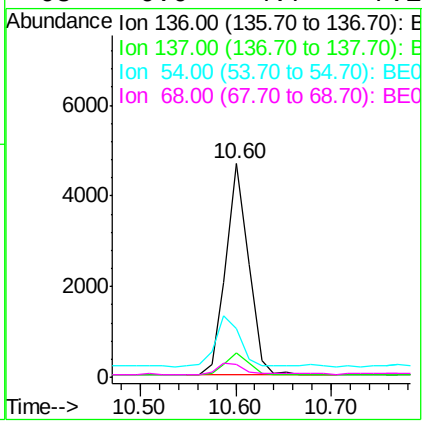


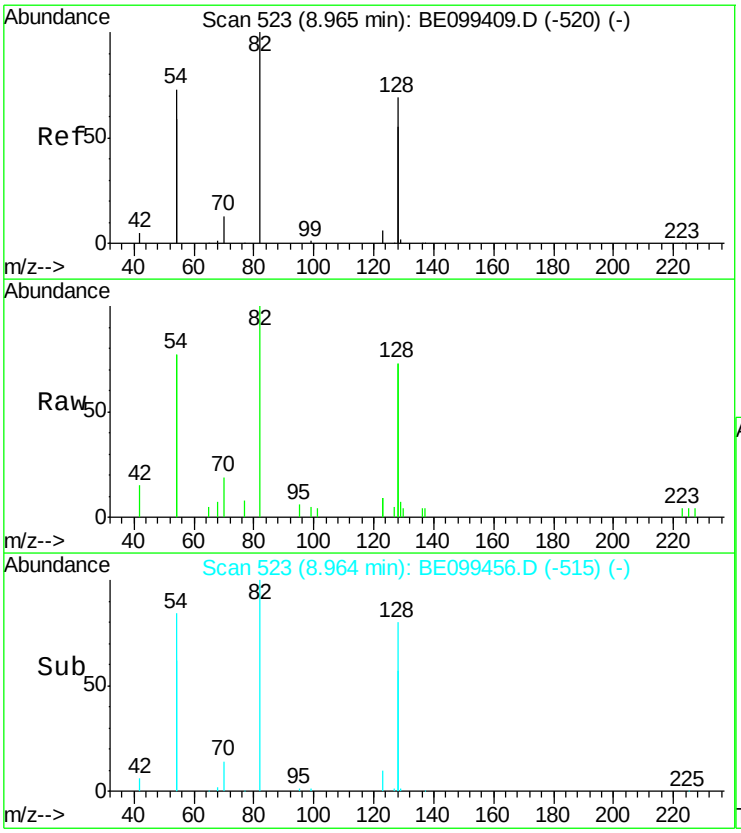
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:136 Resp: 7711

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	22.6	18.5	27.7
68	6.0	4.7	7.1

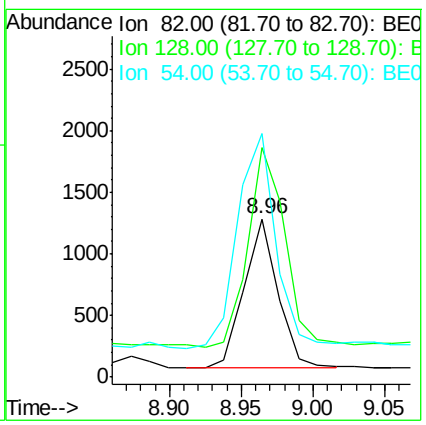


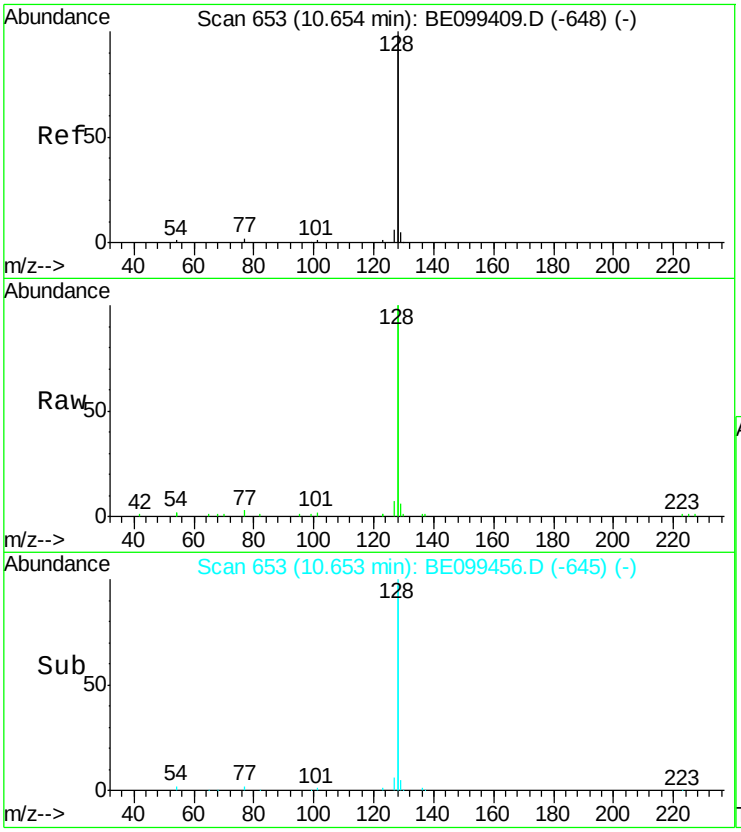


#8
Nitrobenzene-d5
Concen: 0.275 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion: 82 Resp: 1991

Ion	Ratio	Lower	Upper
82	100		
128	145.1	107.0	160.4
54	153.7	113.1	169.7



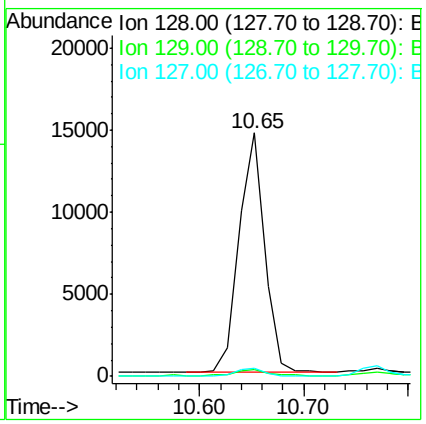


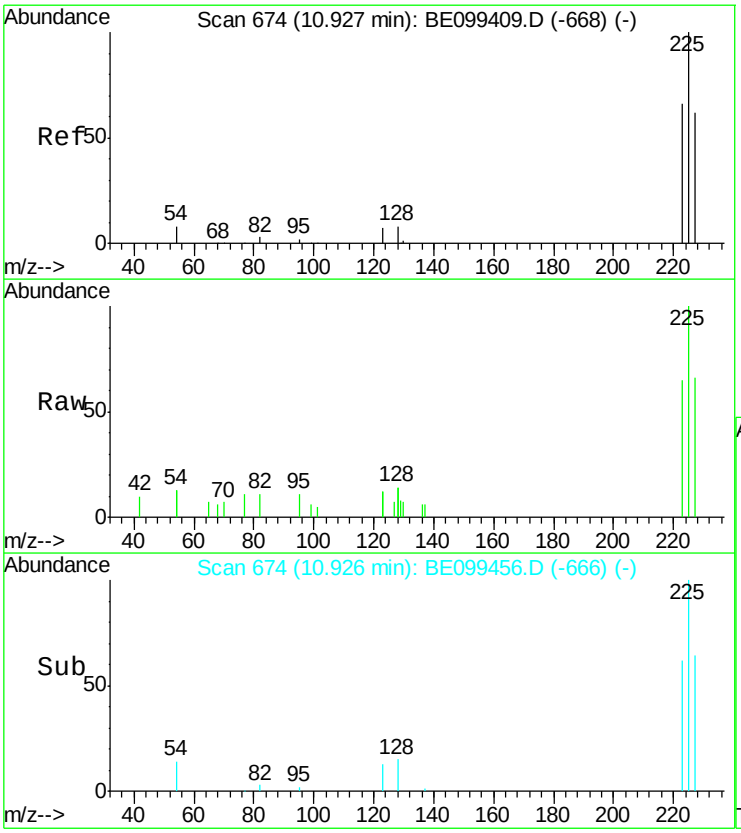
#9
Naphthalene
Concen: 0.298 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:128 Resp: 25019

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.5	2.8	4.2

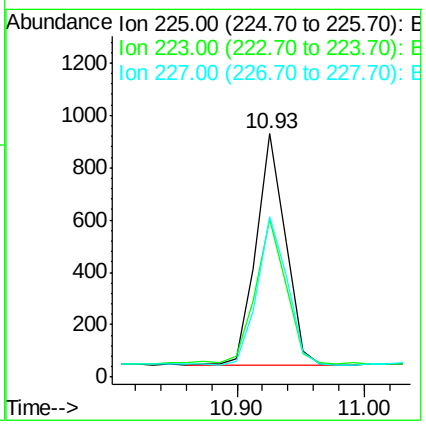


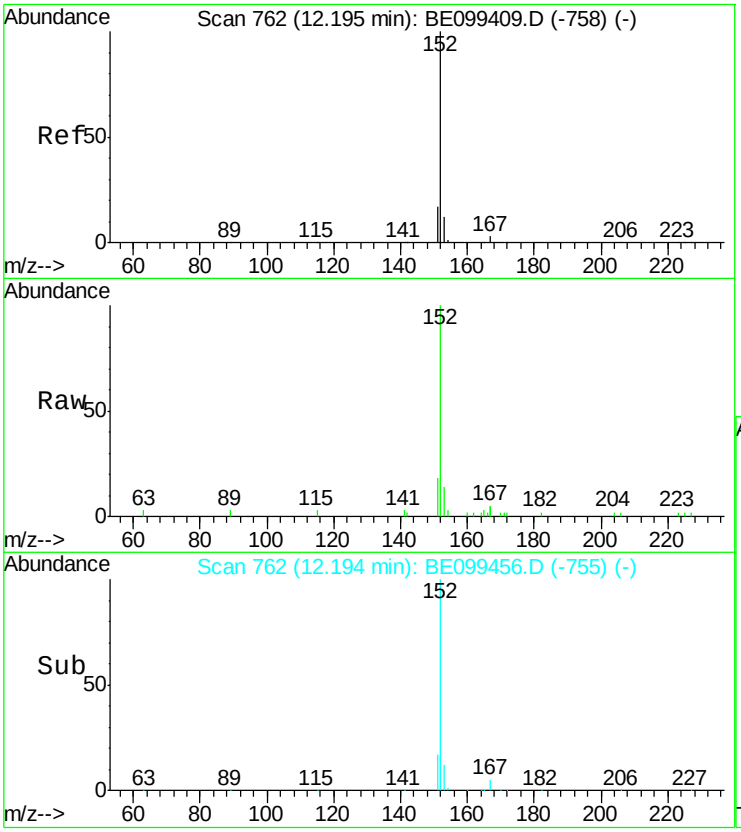


#10
Hexachlorobutadiene
Concen: 0.240 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:225 Resp: 1402

Ion	Ratio	Lower	Upper
225	100		
223	65.8	51.0	76.6
227	65.7	50.9	76.3



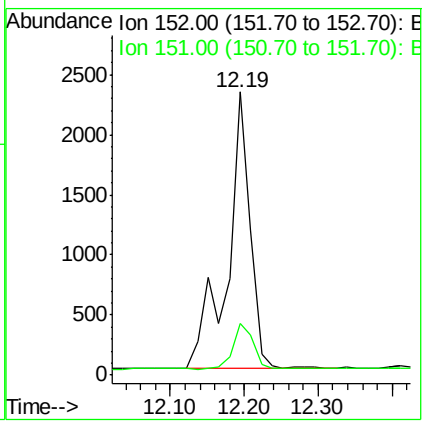


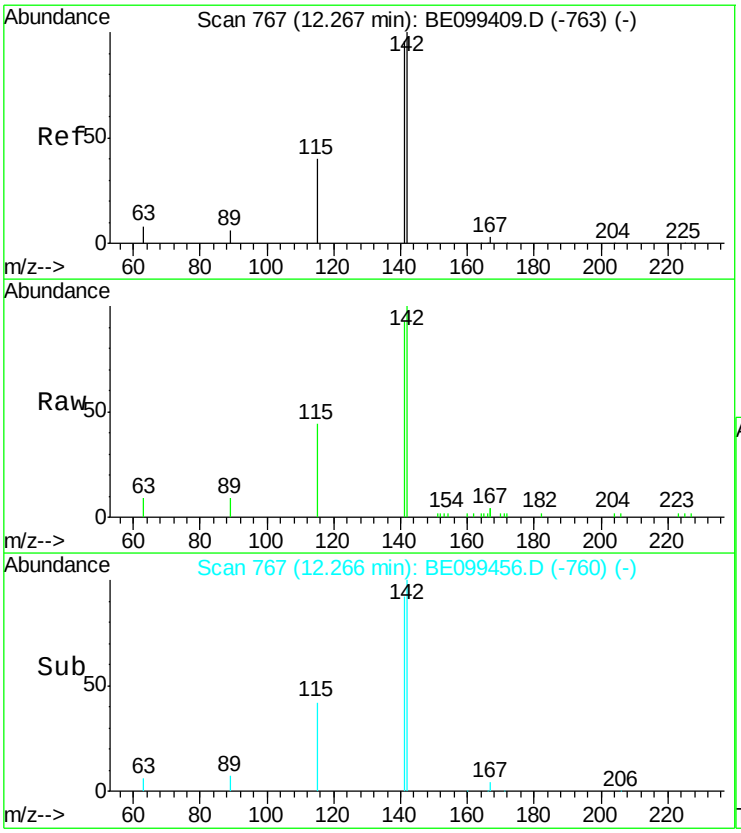
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:152 Resp: 4965

Ion	Ratio	Lower	Upper
152	100		
151	14.6	15.5	23.3#

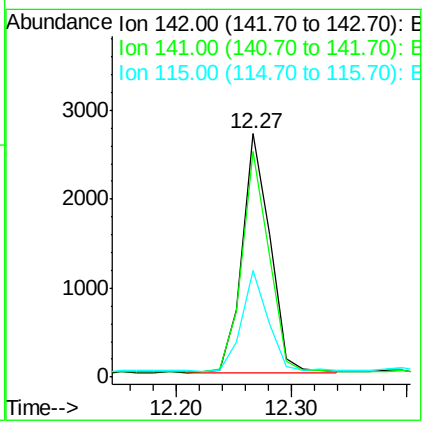


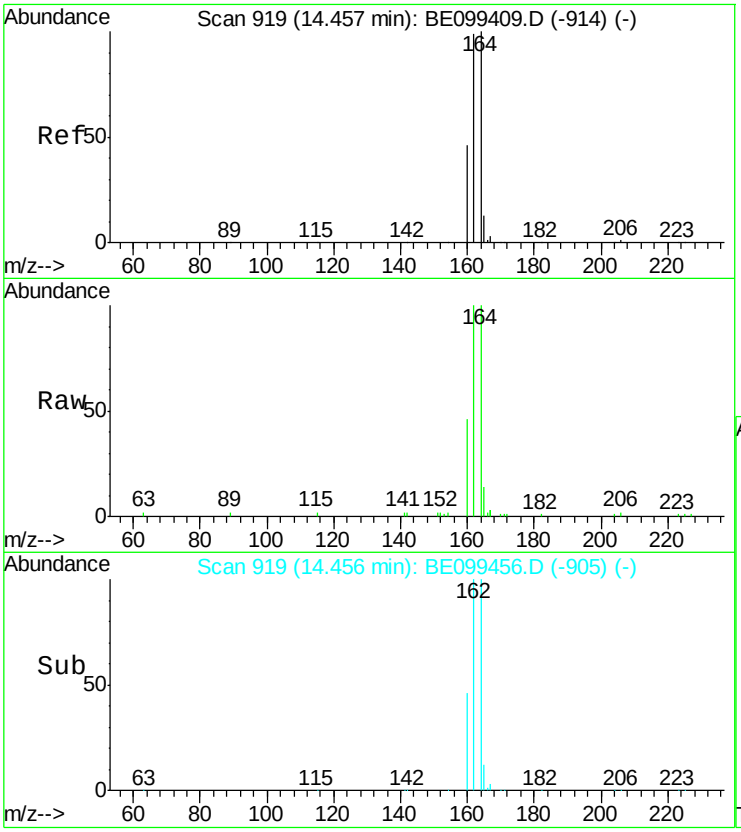


#12
2-Methylnaphthalene
Concen: 0.306 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:142 Resp: 4467

Ion	Ratio	Lower	Upper
142	100		
141	92.6	77.0	115.4
115	43.8	33.4	50.0



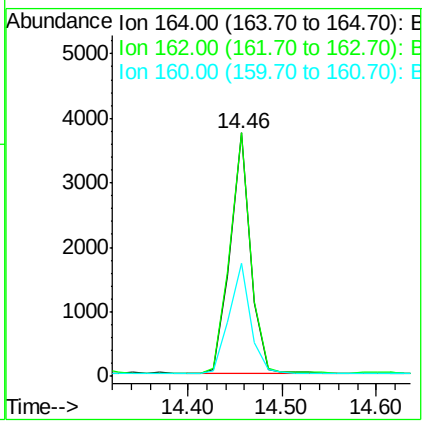


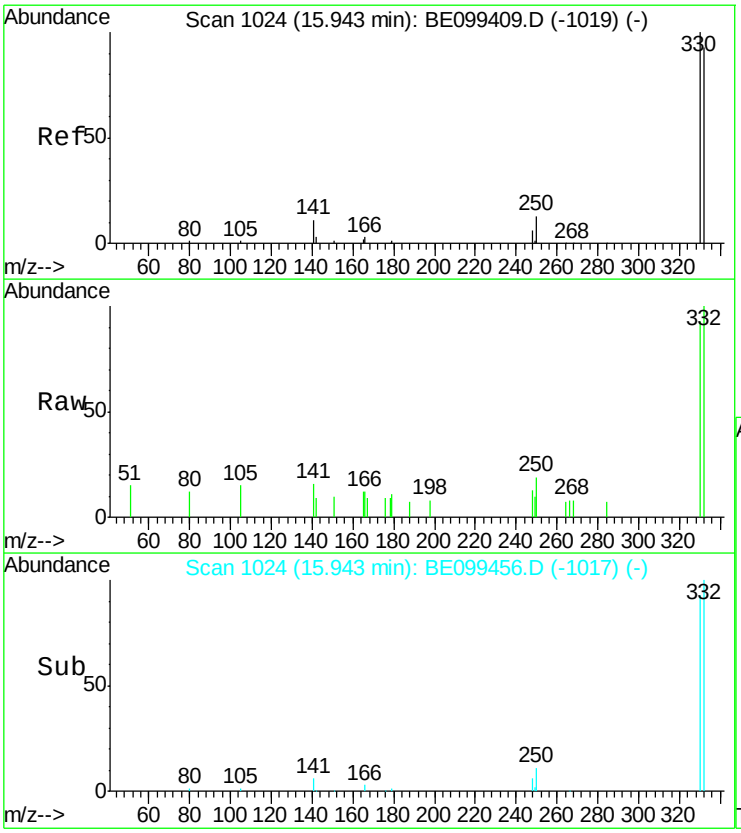
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:164 Resp: 5609

Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.0	118.4
160	46.4	37.0	55.4

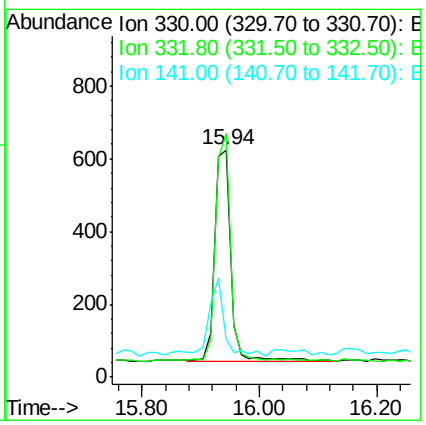


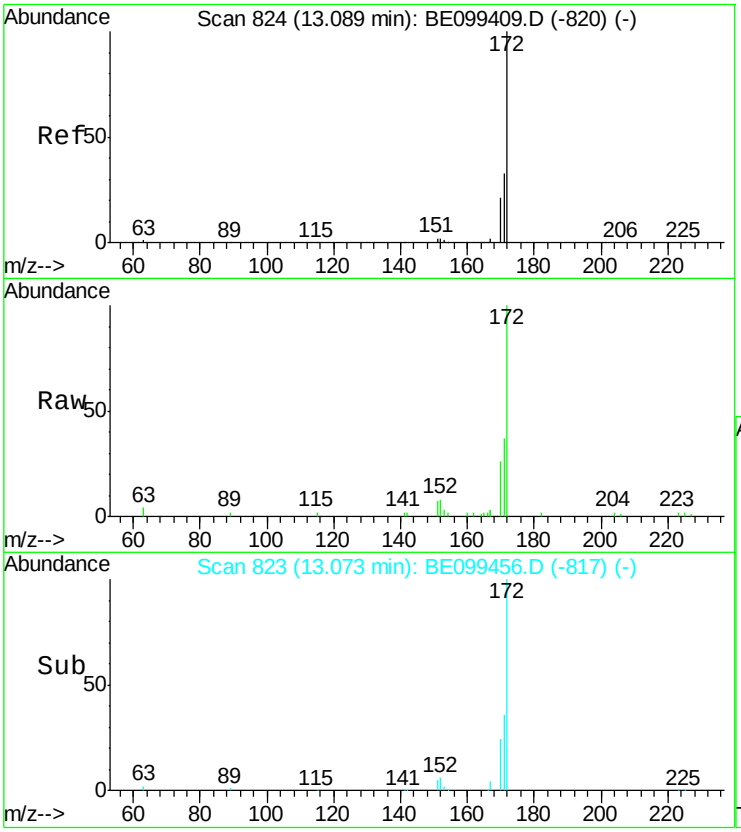


#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:330 Resp: 1112

Ion	Ratio	Lower	Upper
330	100		
332	98.5	71.5	107.3
141	35.4	24.0	36.0



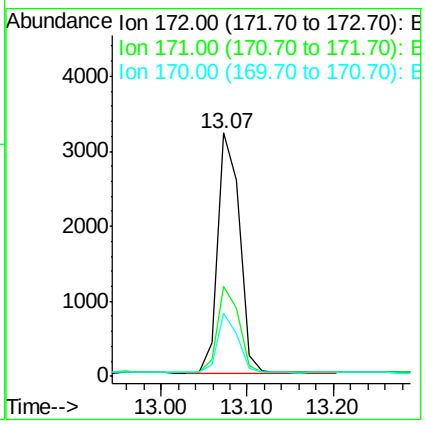


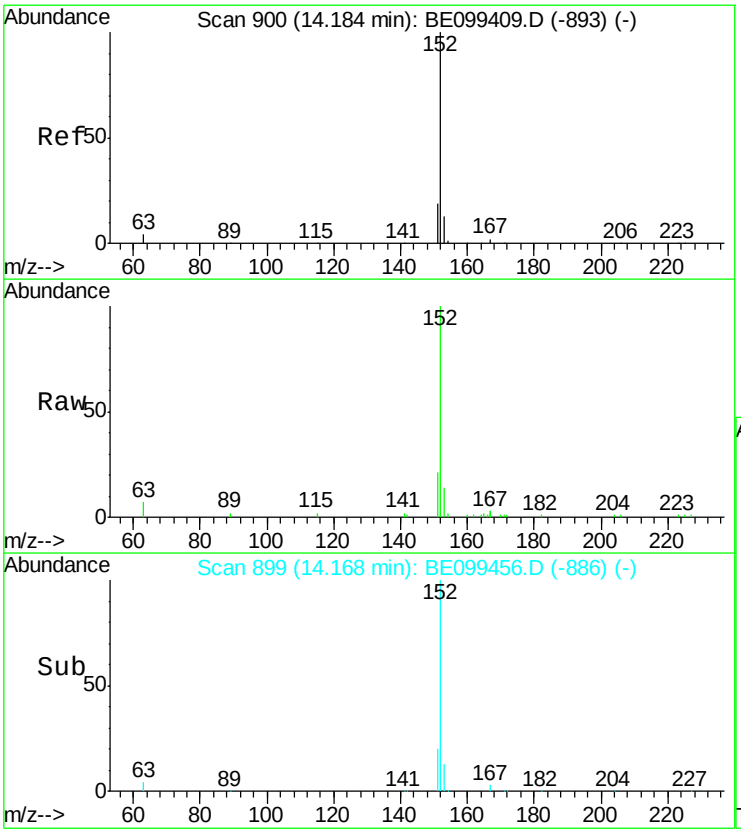
#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:172 Resp: 5645

Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.6	39.8
170	25.7	17.0	25.6#

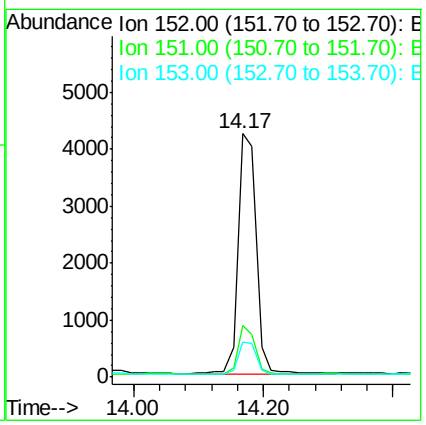


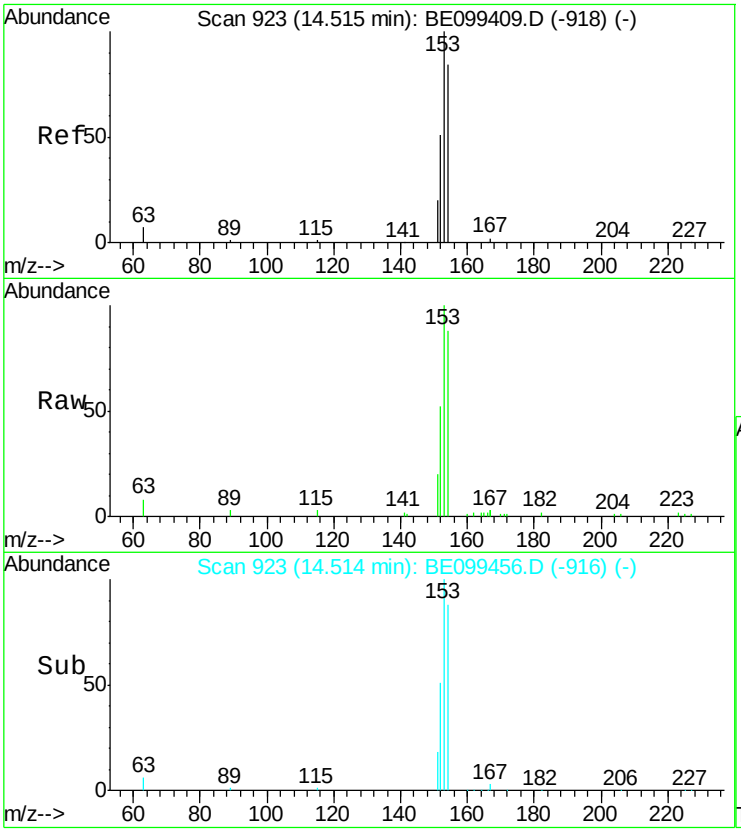


#16
Acenaphthylene
Concen: 0.298 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:152 Resp: 8189

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.8	9.8	14.6



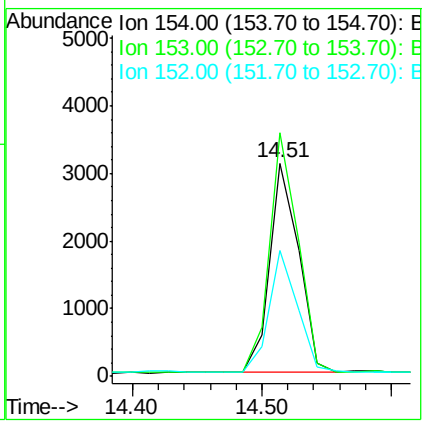


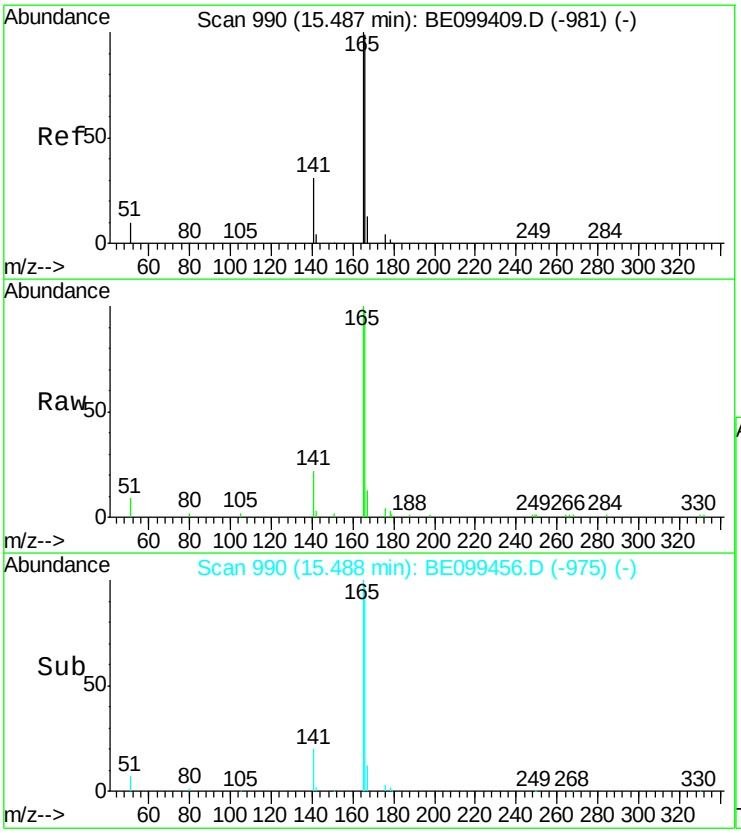
#17
Acenaphthene
Concen: 0.308 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:154 Resp: 4833

Ion	Ratio	Lower	Upper
154	100		
153	112.4	92.6	138.8
152	57.0	45.8	68.8

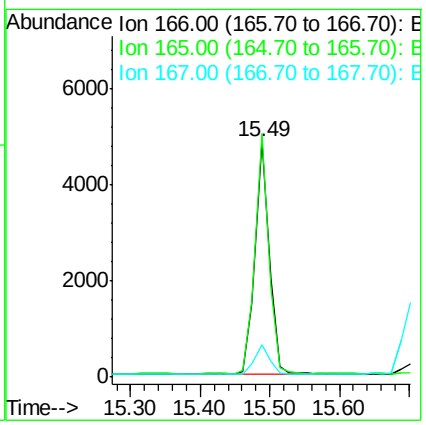


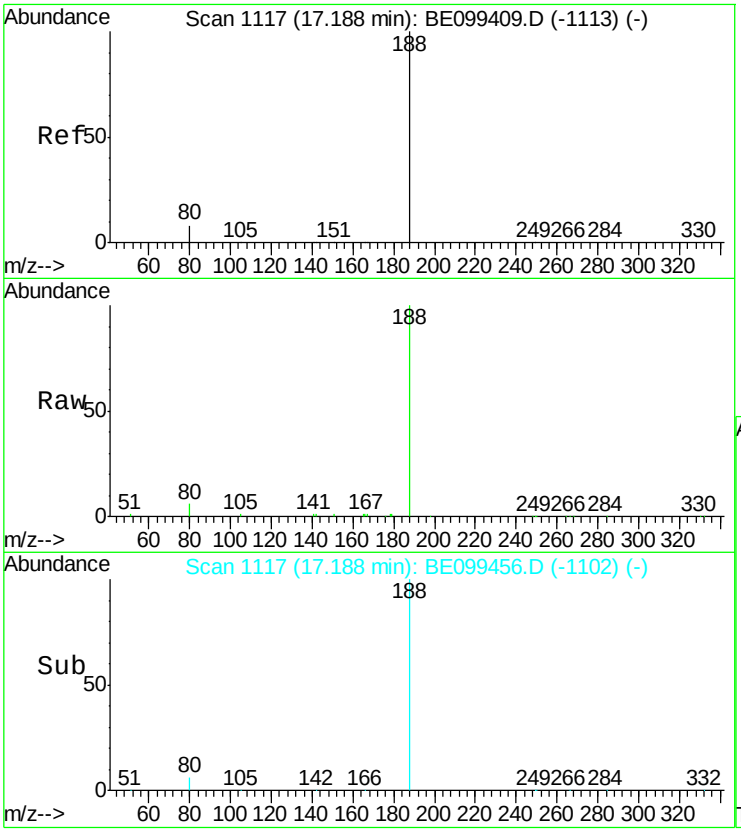


#18
Fluorene
Concen: 0.303 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:166 Resp: 7013

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.3	120.5
167	13.5	10.7	16.1



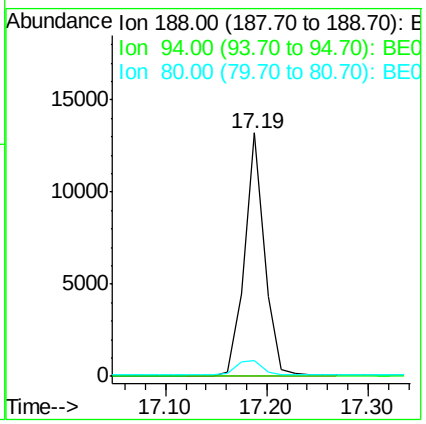


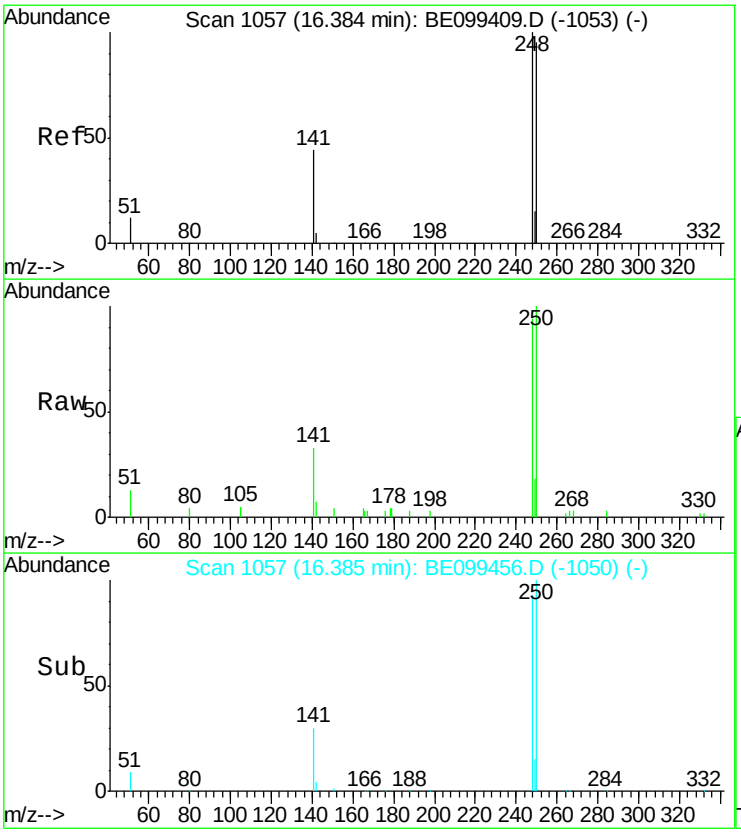
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:188 Resp: 18162

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

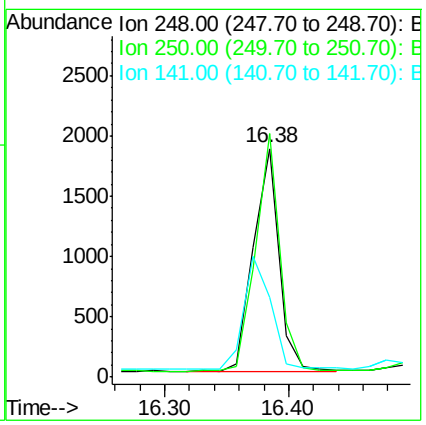


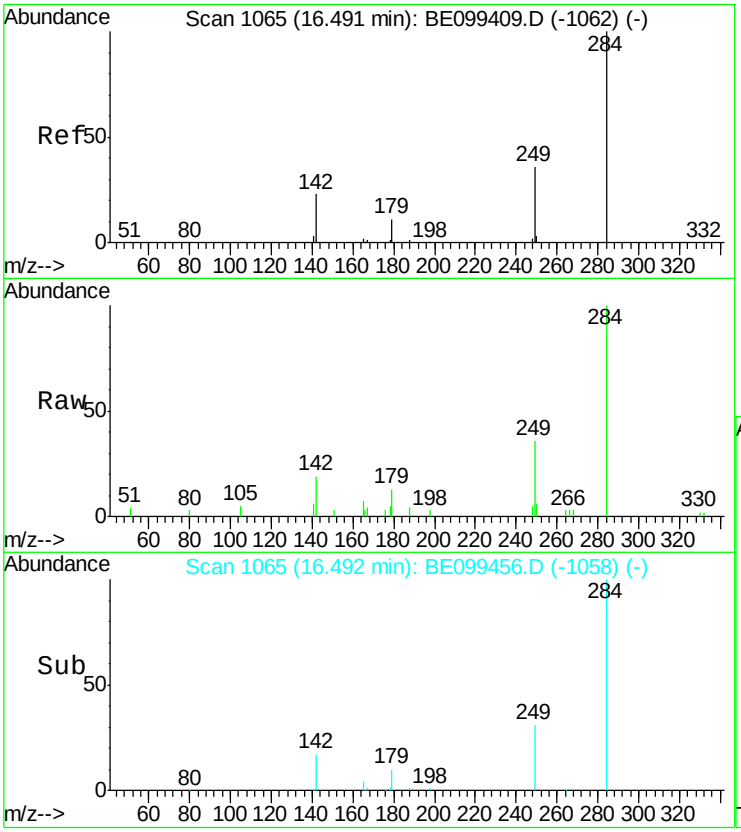


#20
4-Bromophenyl-phenylether
Concen: 0.251 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:248 Resp: 2651

Ion	Ratio	Lower	Upper
248	100		
250	106.6	75.8	113.8
141	34.9	35.7	53.5#



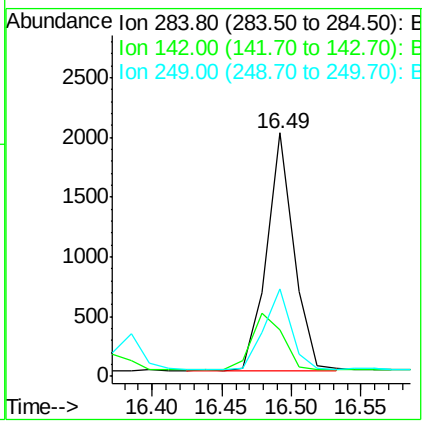


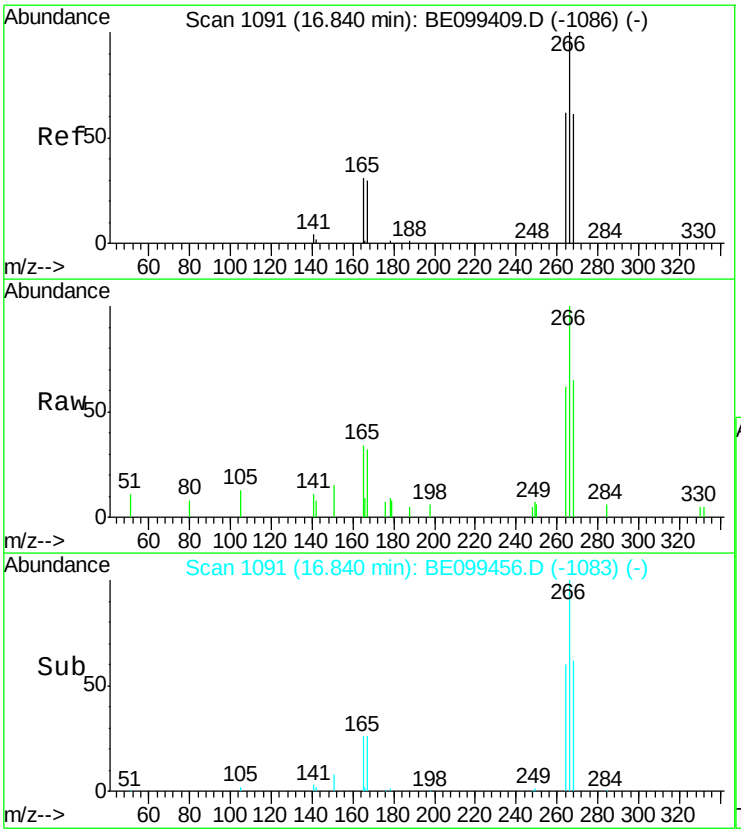
#21
Hexachlorobenzene
Concen: 0.270 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:284 Resp: 2721

Ion	Ratio	Lower	Upper
284	100		
142	27.2	21.0	31.6
249	33.4	26.7	40.1

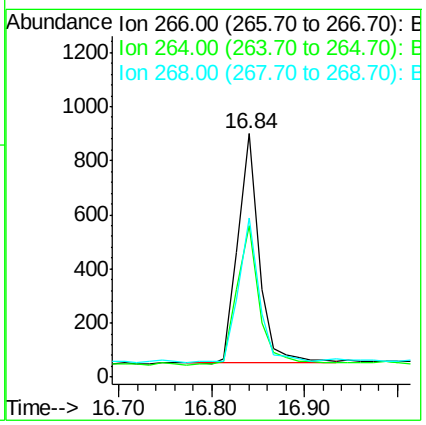


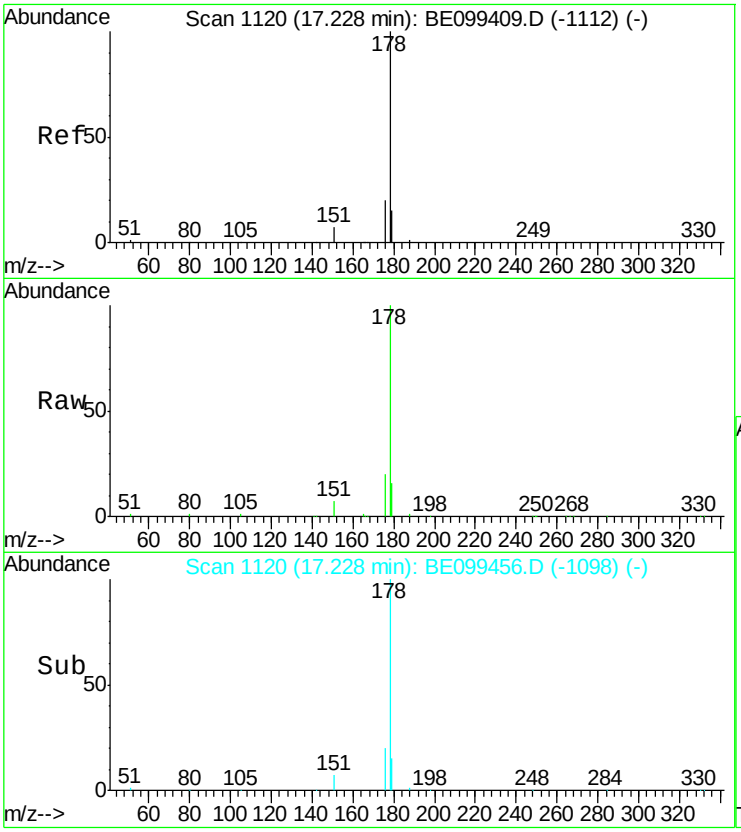


#22
Pentachlorophenol
Concen: 0.437 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:266 Resp: 1342

Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.8	76.2
268	65.2	50.5	75.7



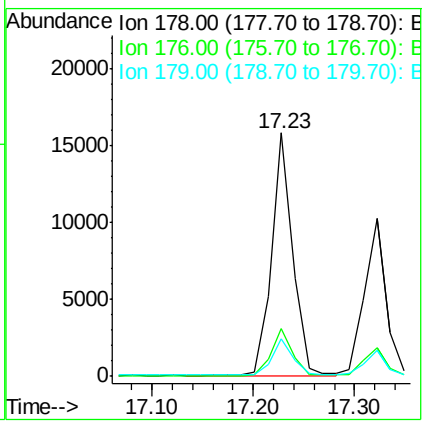


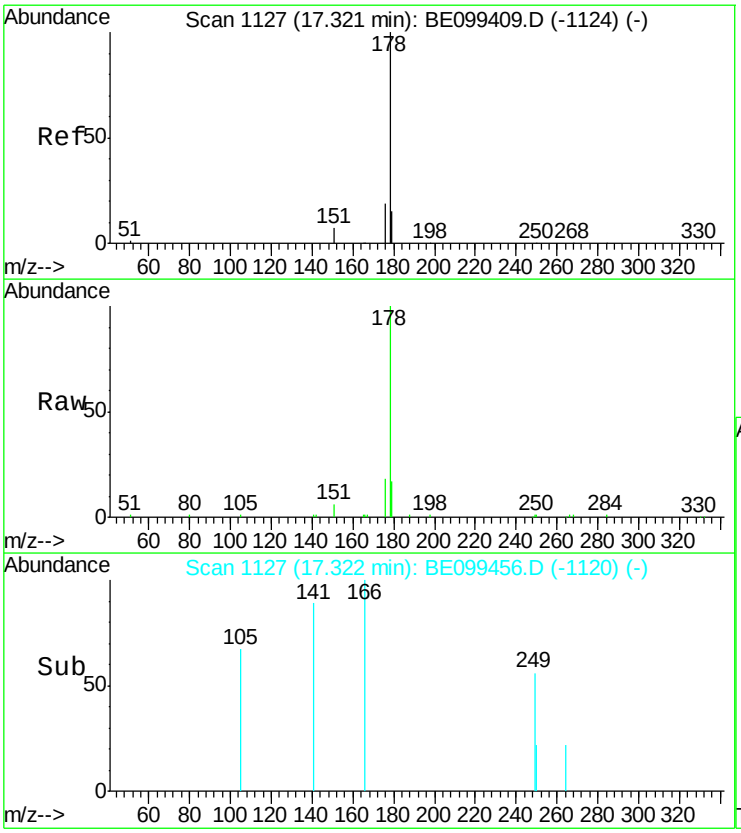
#23
Phenanthrene
Concen: 0.481 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:178 Resp: 22556

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.6	12.0	18.0

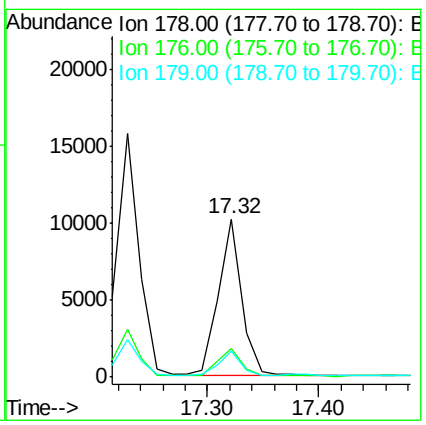


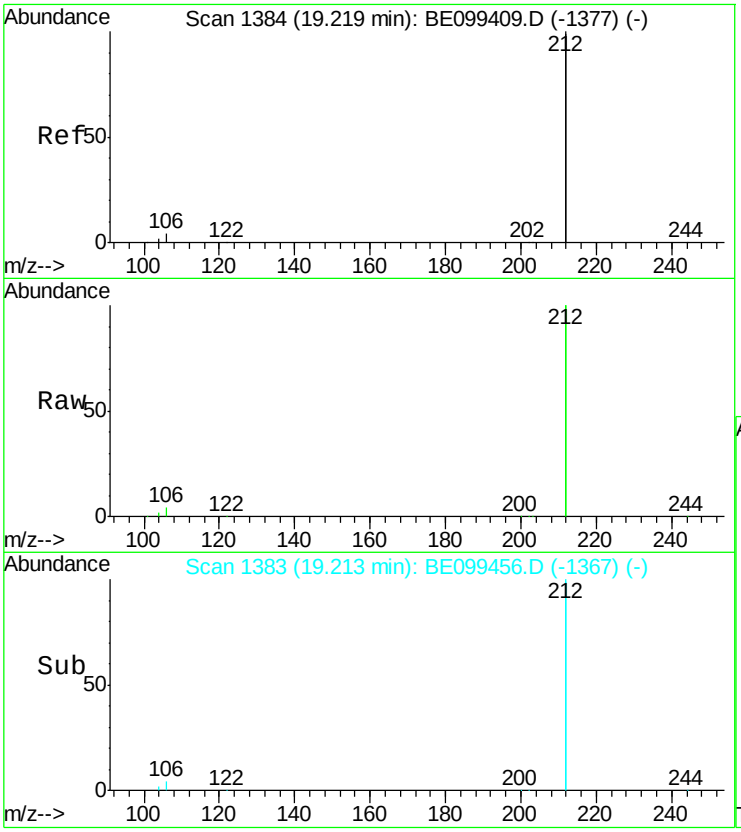


#24
Anthracene
Concen: 0.334 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:178 Resp: 14921

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	14.9	11.9	17.9



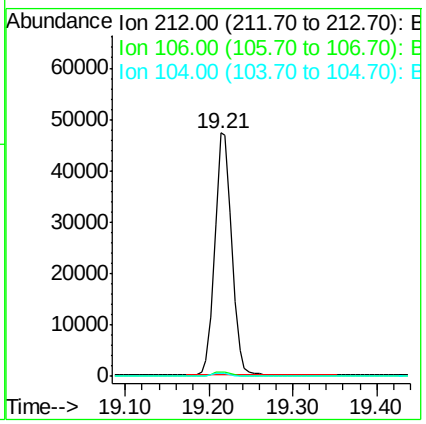


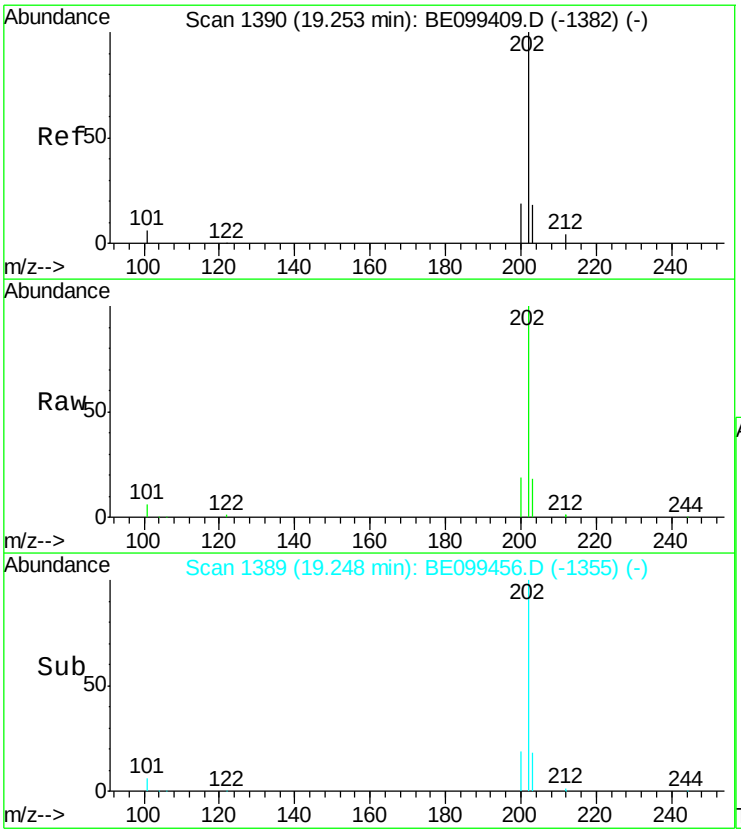
#25
Fluoranthene-d10
Concen: 0.270 ng
RT: 19.21 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:212 Resp: 66097

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

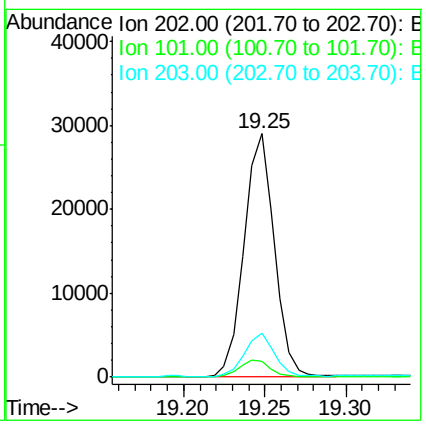


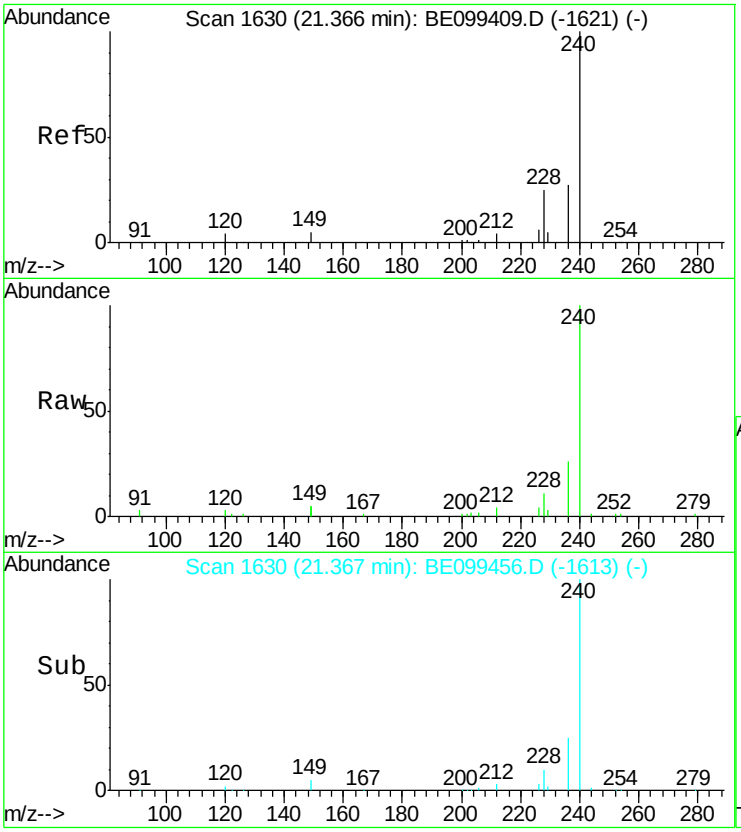


#26
Fluoranthene
Concen: 0.533 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:202 Resp: 37415

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.0
203	17.2	13.9	20.9



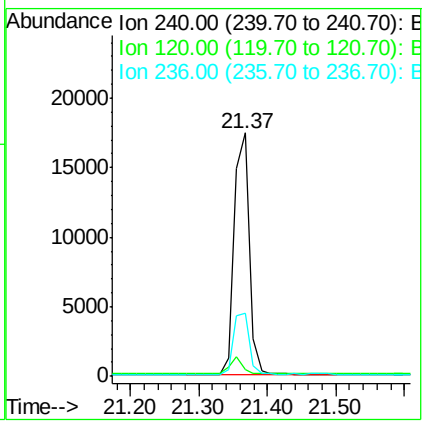


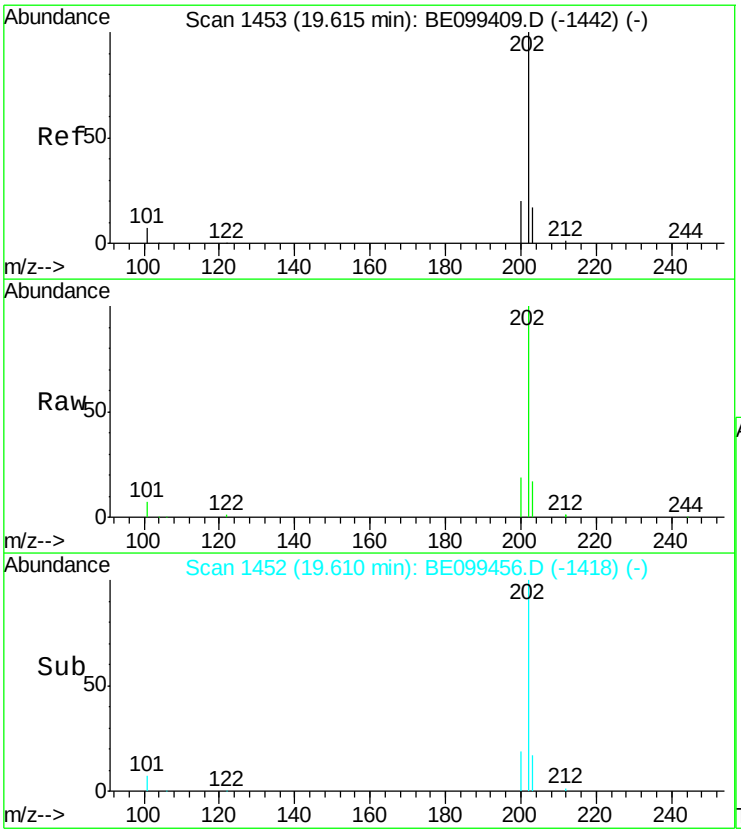
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:240 Resp: 26777

Ion	Ratio	Lower	Upper
240	100		
120	2.8	4.0	6.0#
236	26.0	22.0	33.0

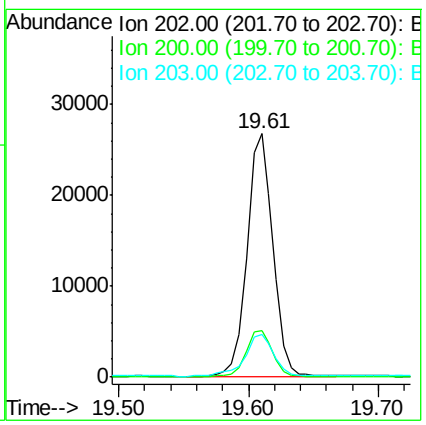


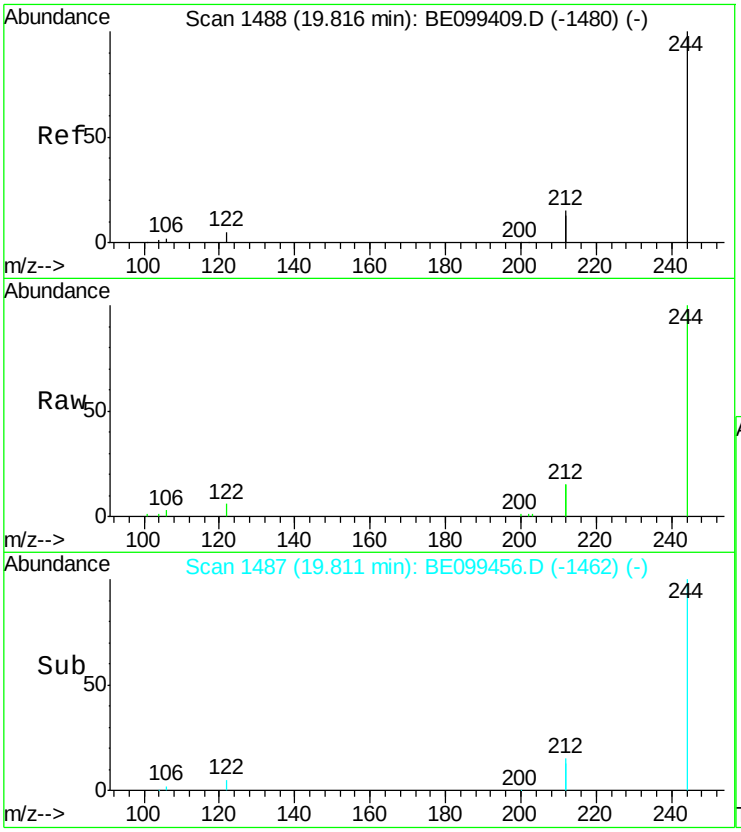


#28
Pyrene
Concen: 0.528 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:202 Resp: 36840

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.7	23.5
203	19.2	13.9	20.9



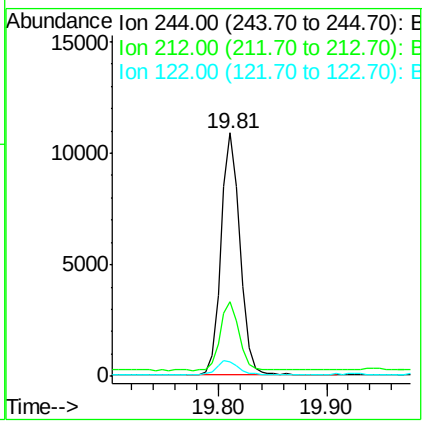


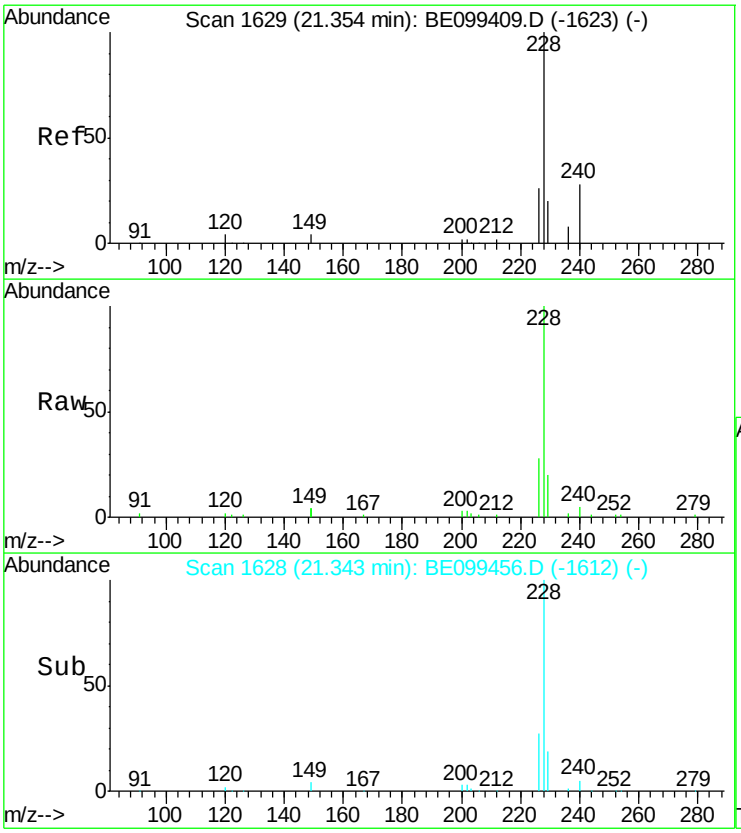
#29
Terphenyl-d14
Concen: 0.270 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:244 Resp: 13223

Ion	Ratio	Lower	Upper
244	100		
212	30.7	23.2	34.8
122	6.1	4.2	6.4

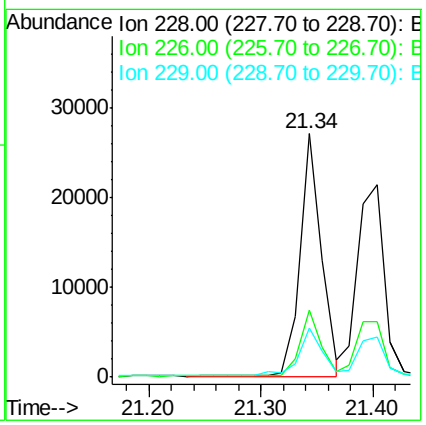


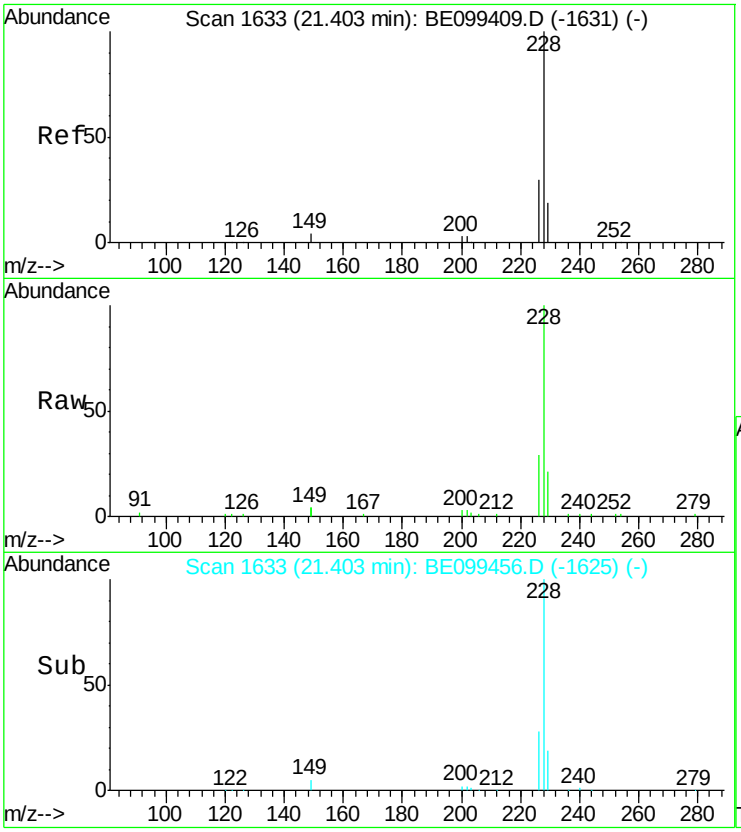


#30
Benzo(a)anthracene
Concen: 0.415 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:228 Resp: 35391

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.0	31.6
229	20.0	16.6	25.0



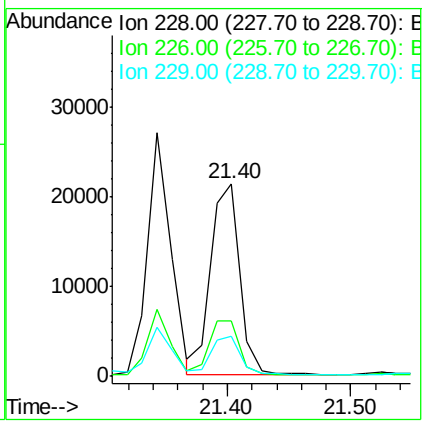


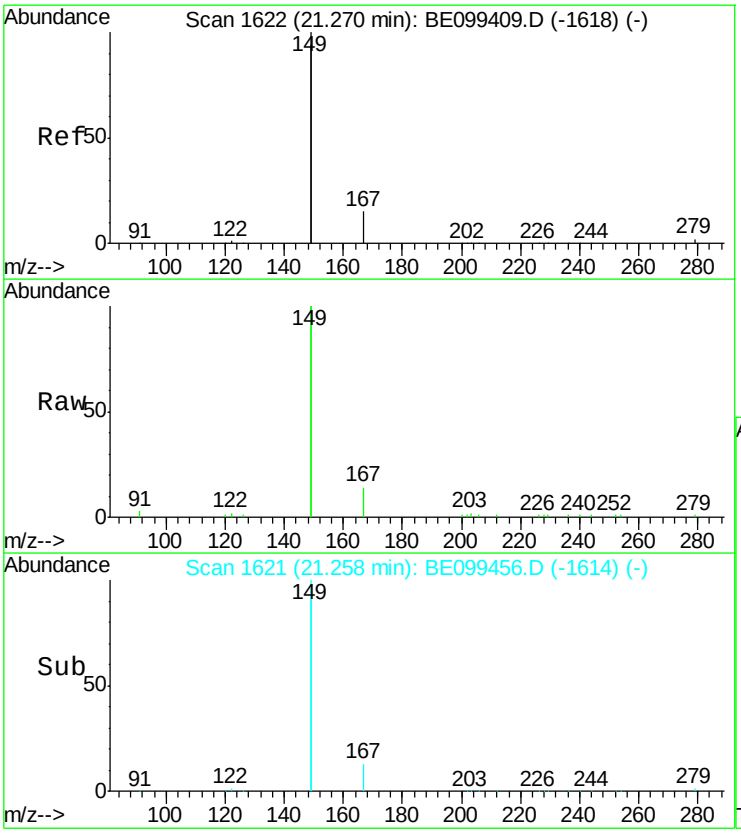
#31
Chrysene
Concen: 0.416 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:228 Resp: 34704

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.0	36.0
229	21.0	15.8	23.8

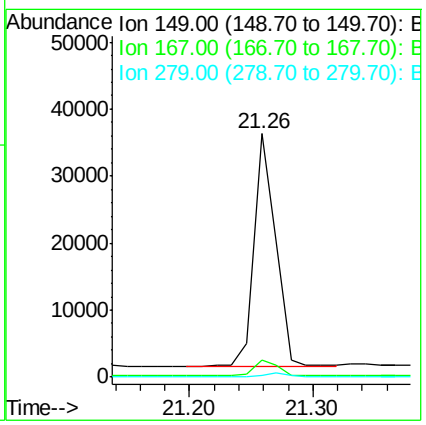


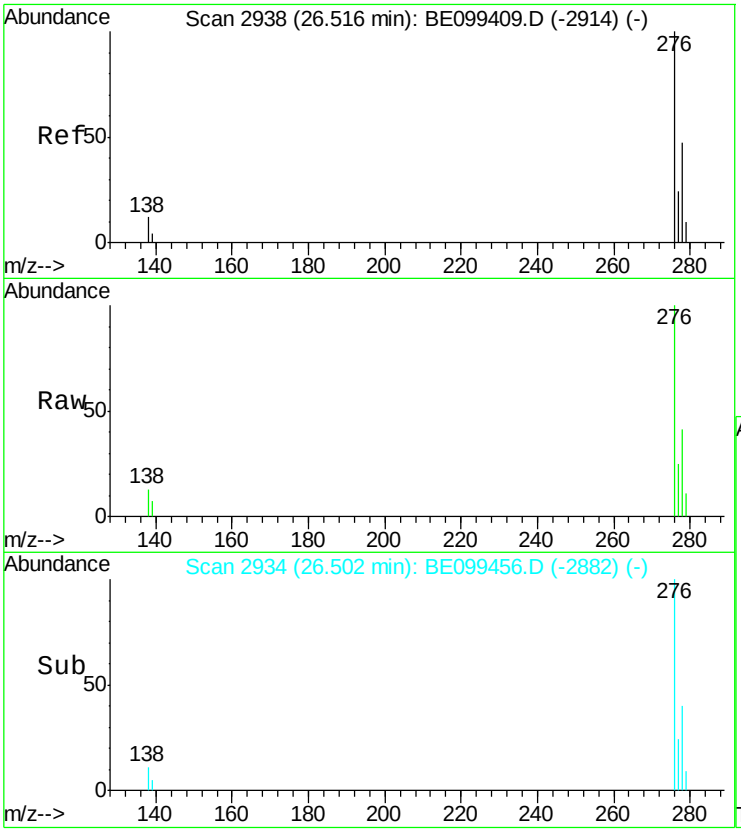


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.284 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:149 Resp: 42834

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.8	8.6
279	1.4	1.0	1.6



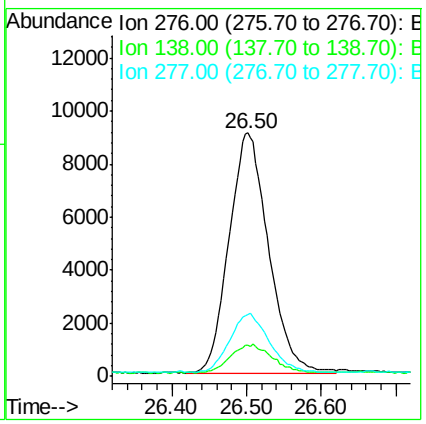


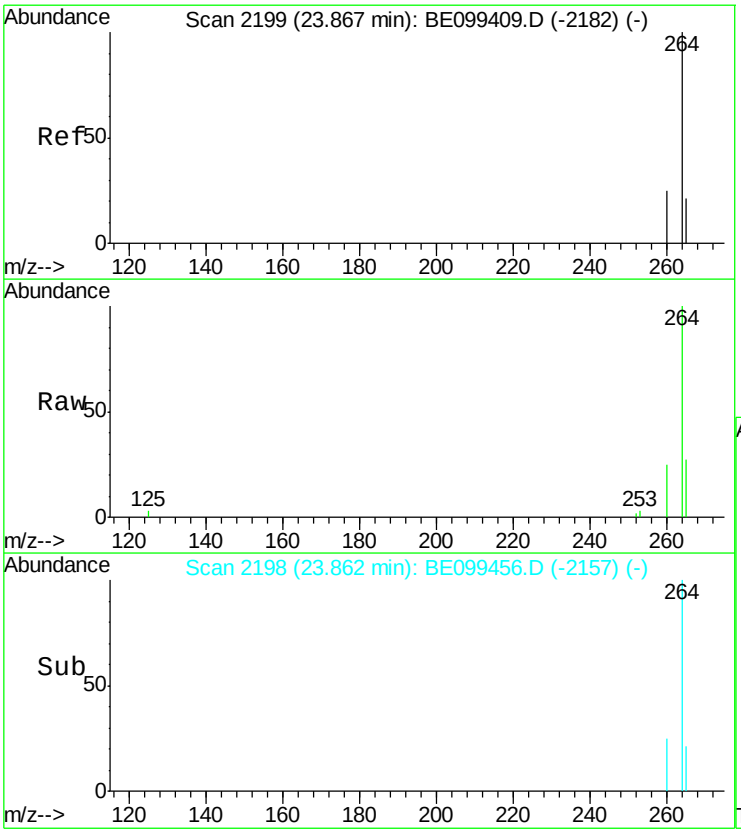
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.335 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:276 Resp: 33056

Ion	Ratio	Lower	Upper
276	100		
138	12.5	10.2	15.2
277	24.1	19.2	28.8

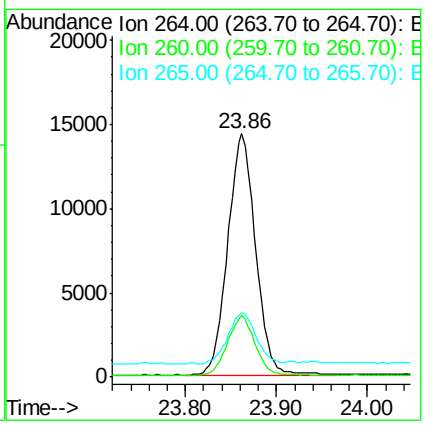


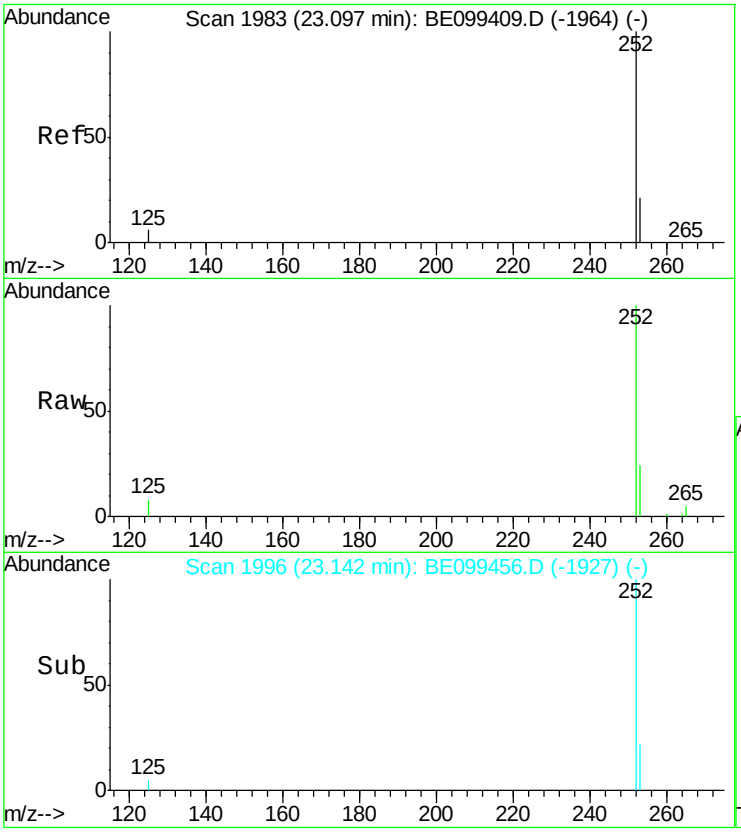


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:264 Resp: 30443

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	26.5	21.3	31.9



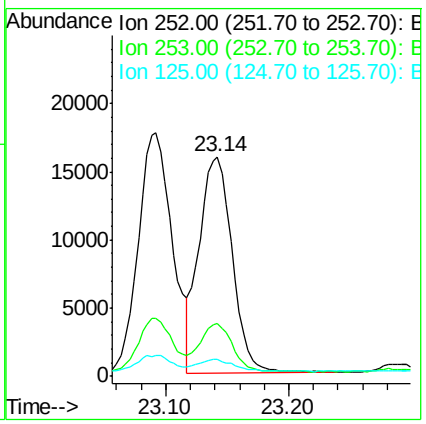


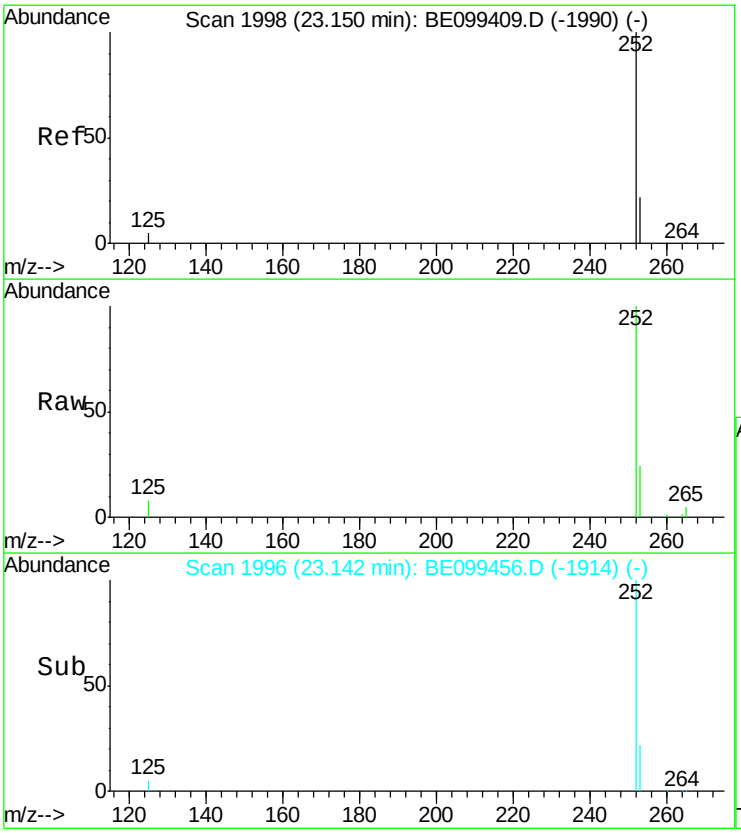
#35
Benzo(b)fluoranthene
Concen: 0.337 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.05 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:252 Resp: 29572

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	7.6	5.6	8.4

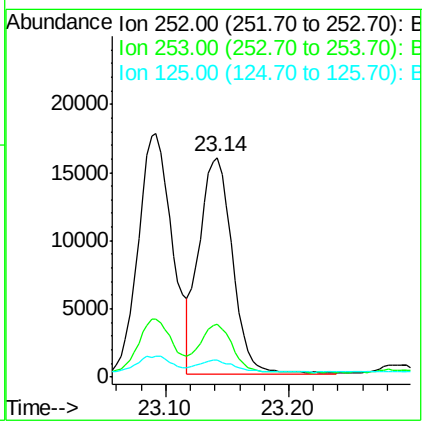


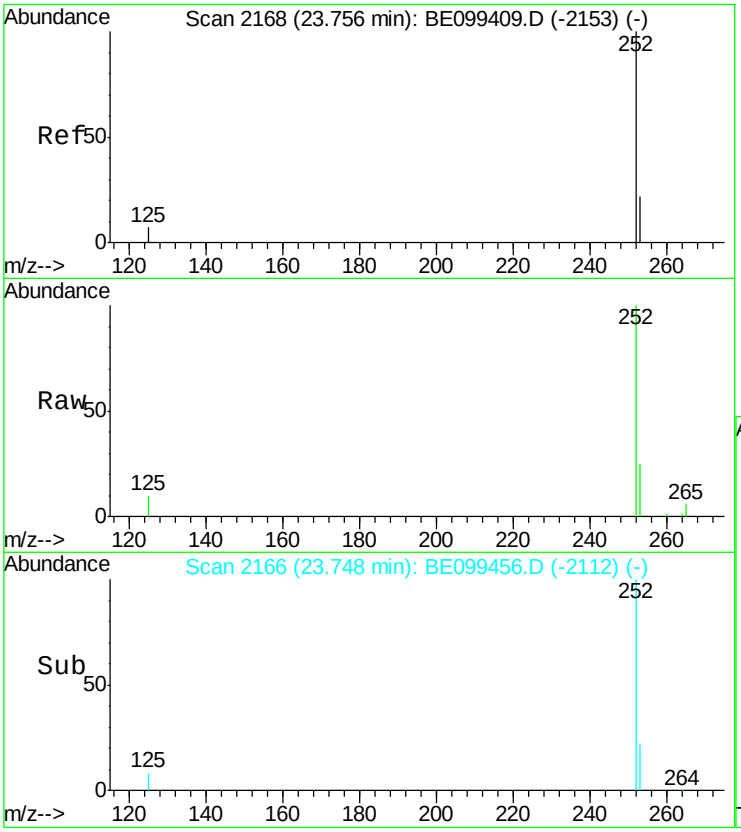


#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:252 Resp: 29964

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	7.6	5.0	7.4#



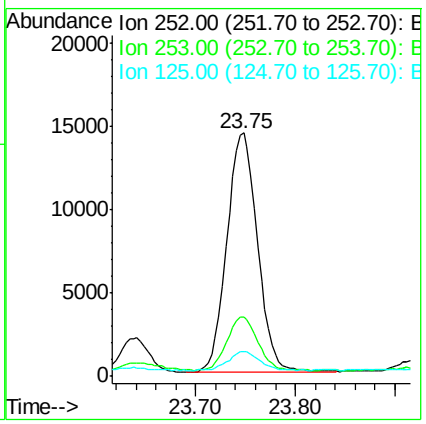


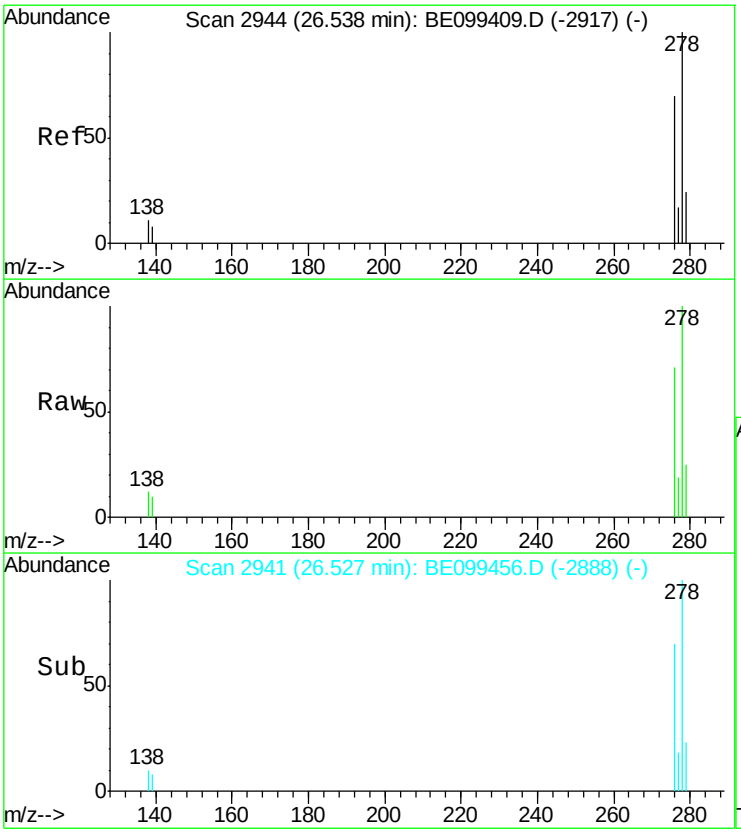
#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:252 Resp: 30971

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.9	28.3
125	10.1	6.7	10.1#

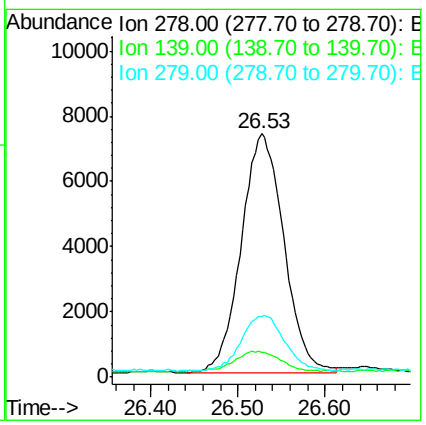


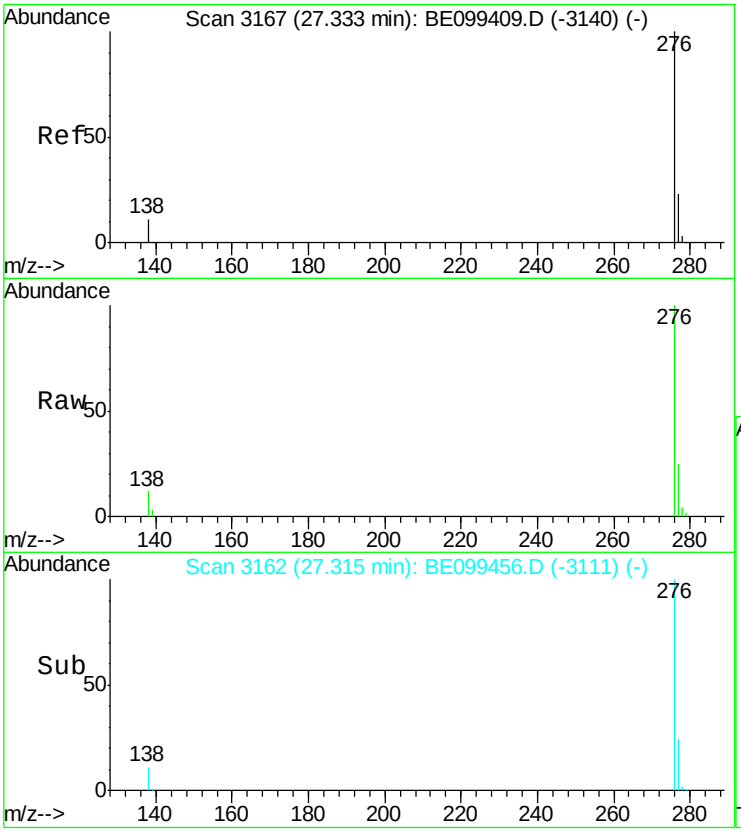


#38
Dibenzo(a,h)anthracene
Concen: 0.295 ng
RT: 26.53 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:278 Resp: 25005

Ion	Ratio	Lower	Upper
278	100		
139	9.9	7.7	11.5
279	25.0	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.333 ng
RT: 27.32 min Scan# 3162
Delta R.T. -0.02 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

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

Tgt Ion:276 Resp: 28283

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.5	29.3
138	12.4	9.6	14.4