Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
Data File : BE099432.D
Acq On : 30 Apr 2019 18:35
Operator : JU/SJ
Sample : K2587-16MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 30 23:59:09 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	2859	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	9801	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	6469	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	18383	0.40	ng		0.00
27) Chrysene-d12	21.37	240	26003	0.40	ng		0.00
34) Perylene-d12	23.86	264	35341	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3836	0.49	ng		0.00
5) Phenol-d6	6.97	99	5345	0.51	ng		0.00
8) Nitrobenzene-d5	8.96	82	4311	0.47	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	10254	0.58	ng		0.00
14) 2,4,6-Tribromophenol	15.93	330	1834	0.45	ng		-0.01
15) 2-Fluorobiphenyl	13.07	172	10326	0.42	ng		-0.01
25) Fluoranthene-d10	19.21	212	92191	0.37	ng		0.00
29) Terphenyl-d14	19.81	244	18487	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	1356	0.345	ng	#	85
3) n-Nitrosodimethylamine	3.64	42	1217	0.513	ng	#	87
6) bis(2-Chloroethyl)ether	7.23	93	4147	0.457	ng		100
9) Naphthalene	10.65	128	50697	0.475	ng		100
10) Hexachlorobutadiene	10.93	225	3008	0.405	ng		97
12) 2-Methylnaphthalene	12.27	142	8175	0.440	ng		97
16) Acenaphthylene	14.17	152	14920	0.471	ng		99
17) Acenaphthene	14.52	154	8371	0.463	ng		97
18) Fluorene	15.49	166	11996	0.450	ng		98
20) 4-Bromophenyl-phenylether	16.38	248	4780	0.447	ng	#	84
21) Hexachlorobenzene	16.49	284	4411	0.432	ng		99
22) Pentachlorophenol	16.84	266	3714	0.821	ng		96
23) Phenanthrene	17.23	178	27203	0.573	ng		100
24) Anthracene	17.32	178	22258	0.492	ng		99
26) Fluoranthene	19.24	202	42773	0.602	ng		99
28) Pyrene	19.61	202	43972	0.649	ng		98
30) Benzo(a)anthracene	21.34	228	49325	0.595	ng		98
31) Chrysene	21.40	228	49530	0.611	ng		97
32) Bis(2-ethylhexyl)phthalate	21.26	149	61961	0.458	ng		100
33) Indeno(1,2,3-cd)pyrene	26.50	276	60899	0.636	ng		100
35) Benzo(b)fluoranthene	23.09	252	57164	0.561	ng		98
36) Benzo(k)fluoranthene	23.14	252	50616	0.515	ng	#	98
37) Benzo(a)pyrene	23.74	252	52605	0.546	ng		99
38) Dibenzo(a,h)anthracene	26.53	278	46769	0.475	ng		98
39) Benzo(g,h,i)perylene	27.32	276	52367	0.530	ng		99

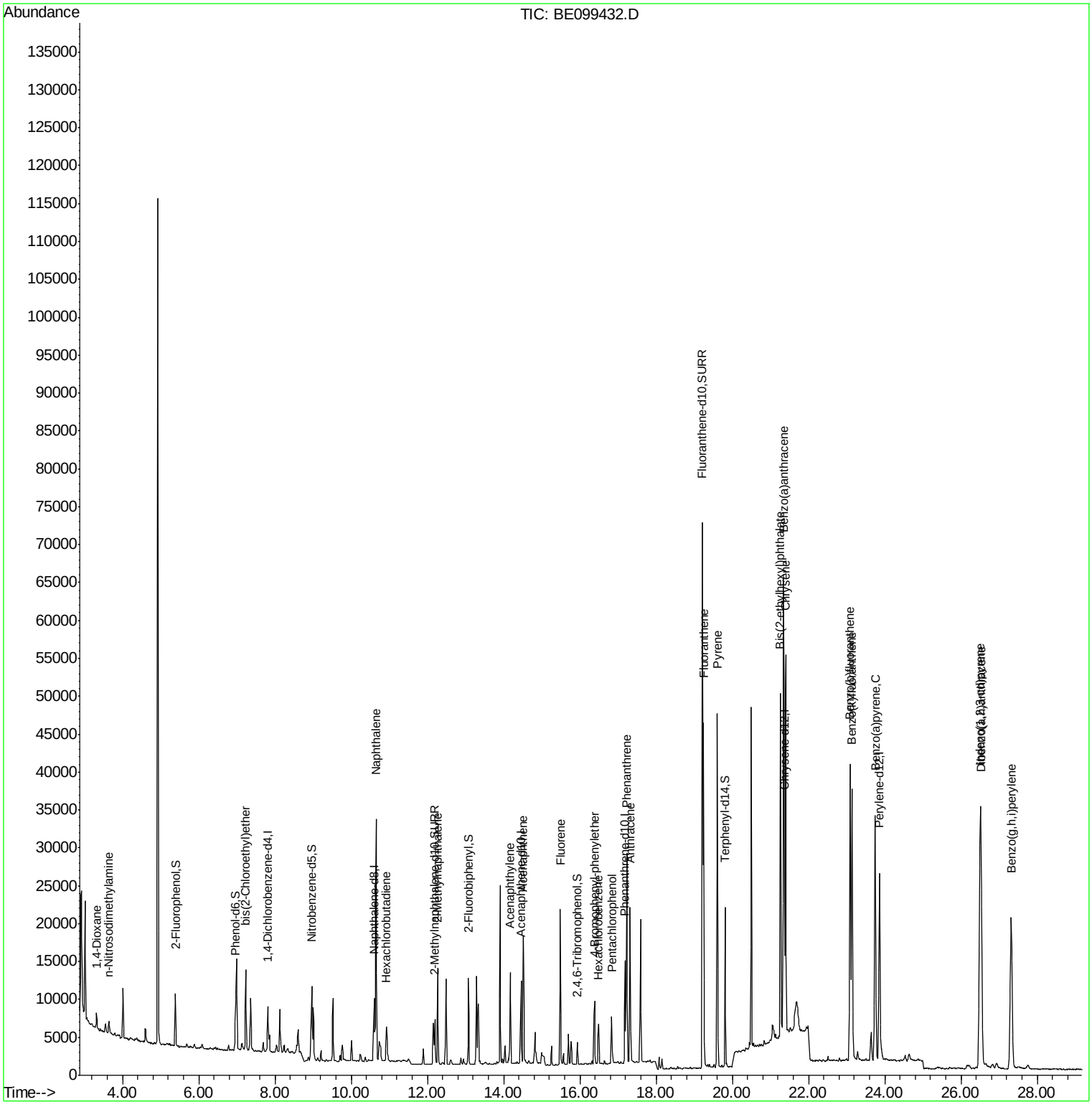
(#) = qualifier out of range (m) = manual integration (+) = signals summed

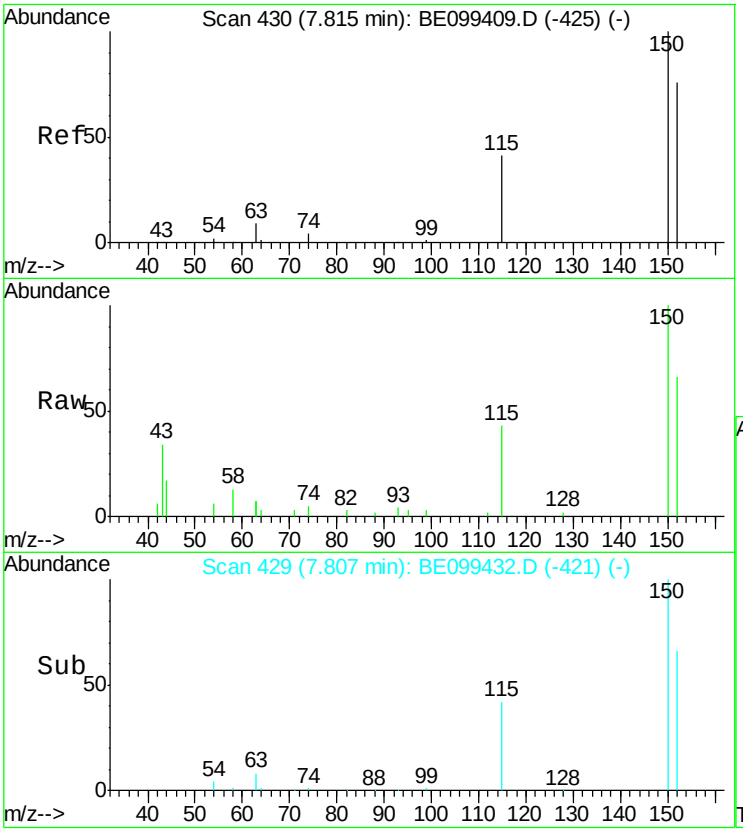
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
Data File : BE099432.D
Acq On : 30 Apr 2019 18:35
Operator : JU/SJ
Sample : K2587-16MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 30 23:59:09 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



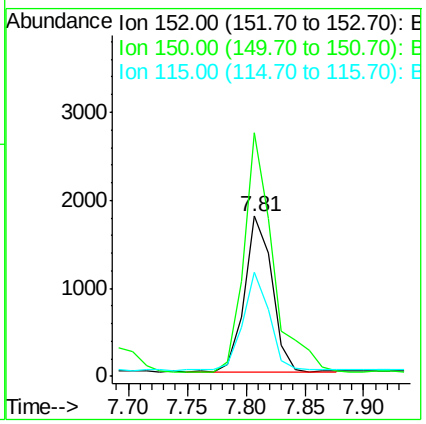


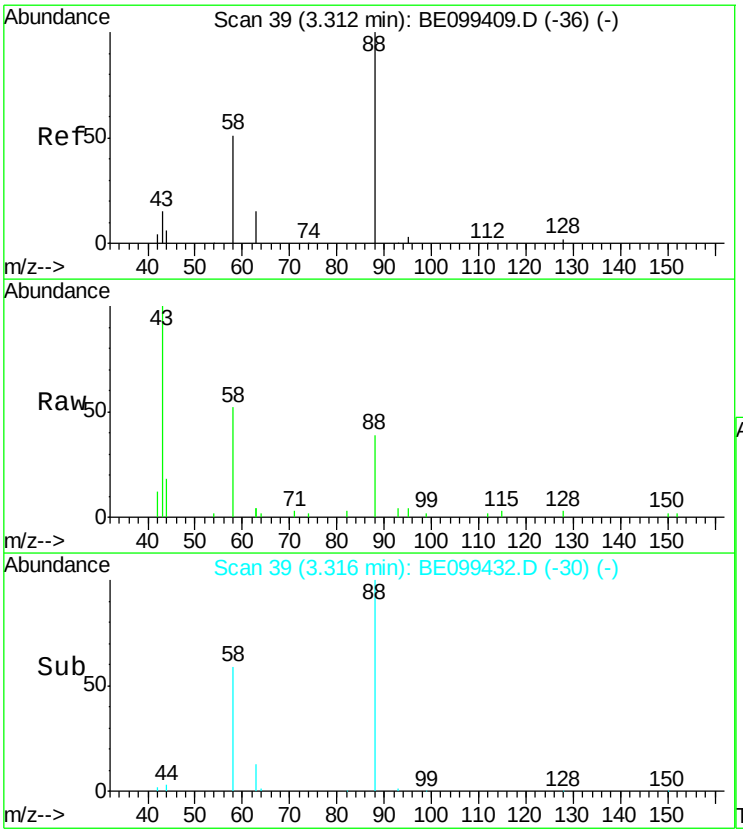
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:152 Resp: 2859

Ion	Ratio	Lower	Upper
152	100		
150	152.4	104.8	157.2
115	65.0	46.6	69.8

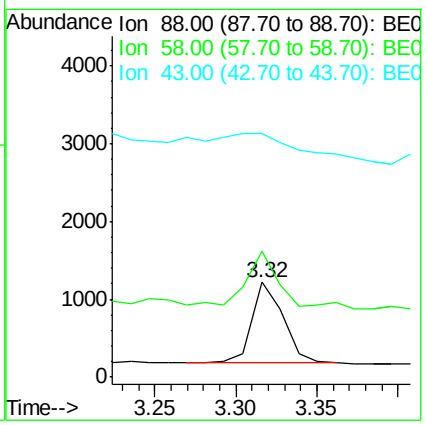


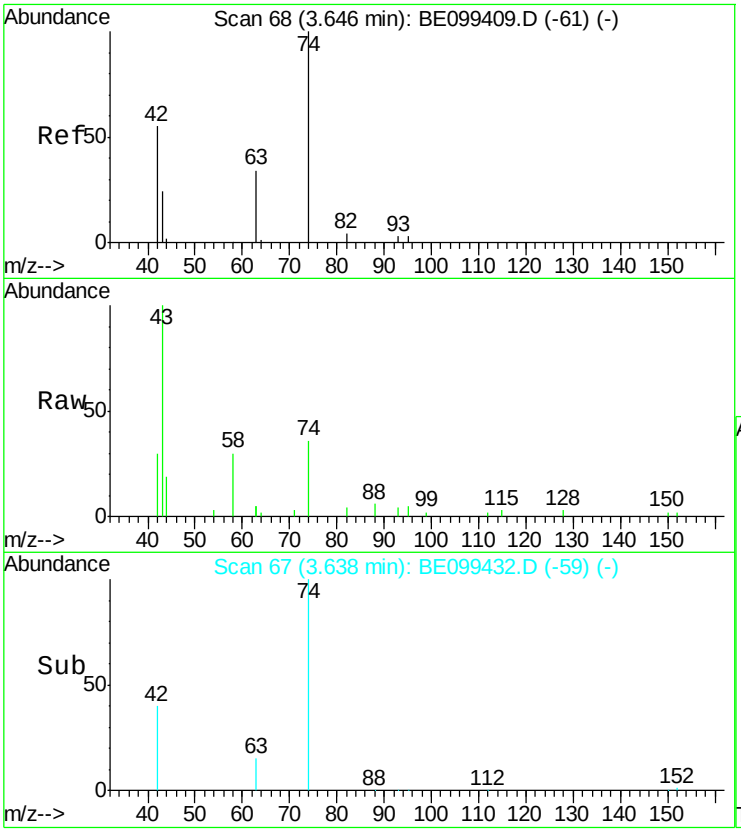


#2
1,4-Dioxane
Concen: 0.345 ng
RT: 3.32 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion: 88 Resp: 1356

Ion	Ratio	Lower	Upper
88	100		
58	63.1	51.0	76.6
43	0.0	20.6	30.8#



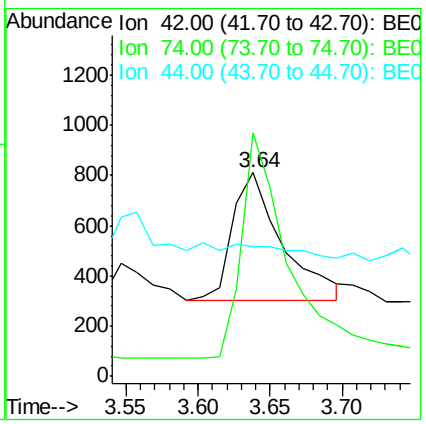


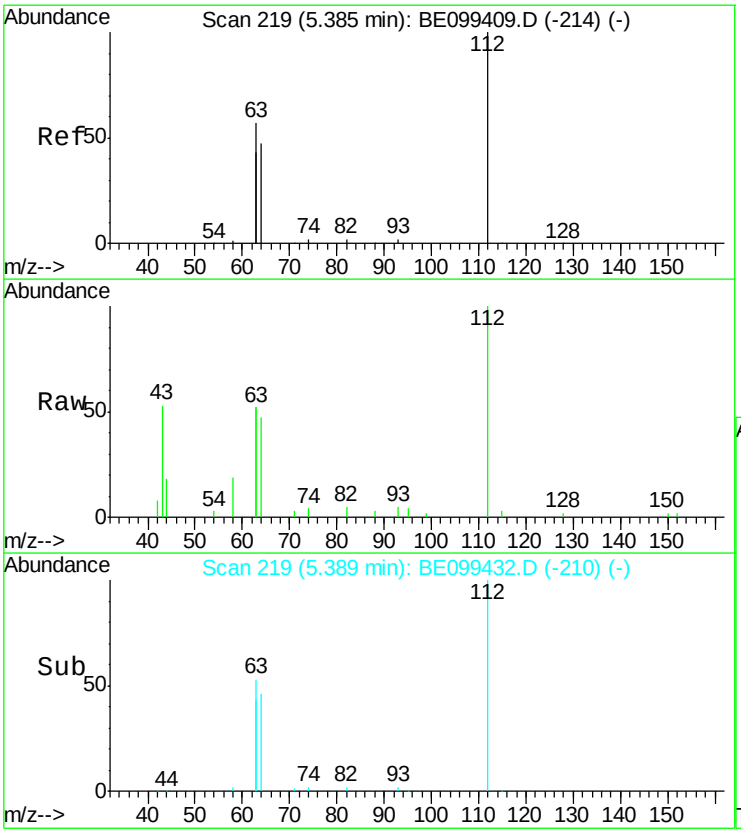
#3
n-Nitrosodimethylamine
Concen: 0.513 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion: 42 Resp: 1217

Ion	Ratio	Lower	Upper
42	100		
74	159.0	141.6	212.4
44	0.0	0.0	0.0

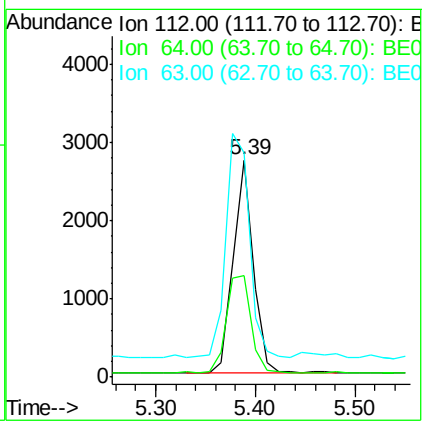


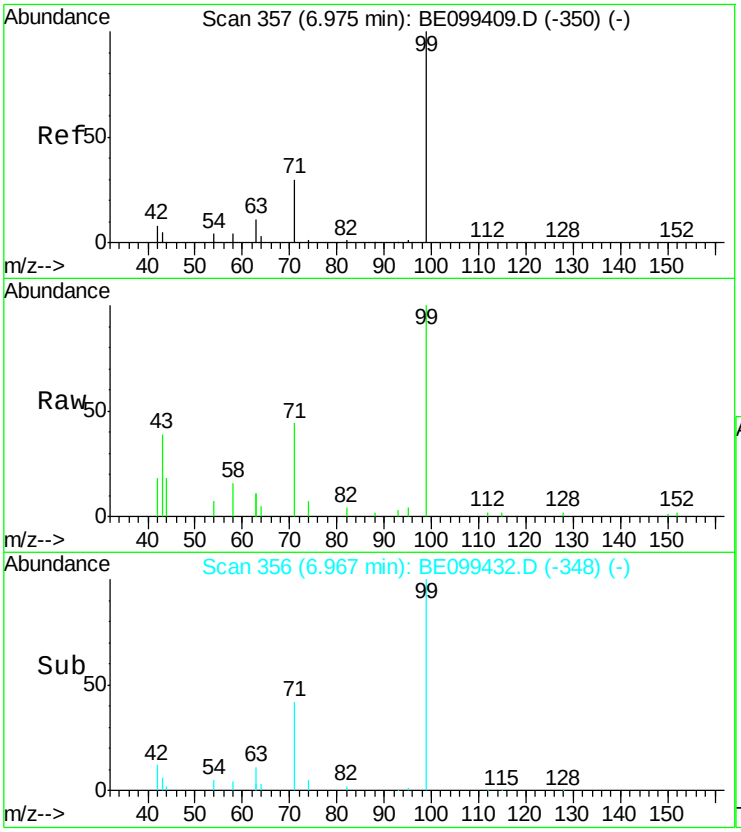


#4
2-Fluorophenol
Concen: 0.485 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:112 Resp: 3836

Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.4	71.0
63	122.9	104.3	156.5



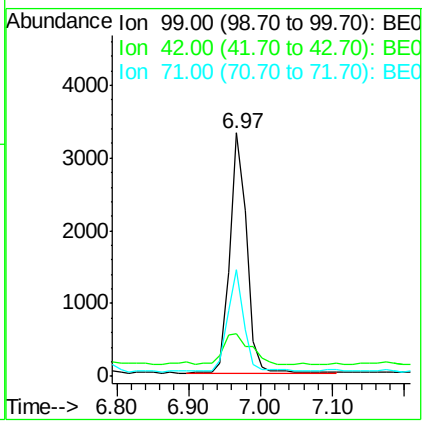


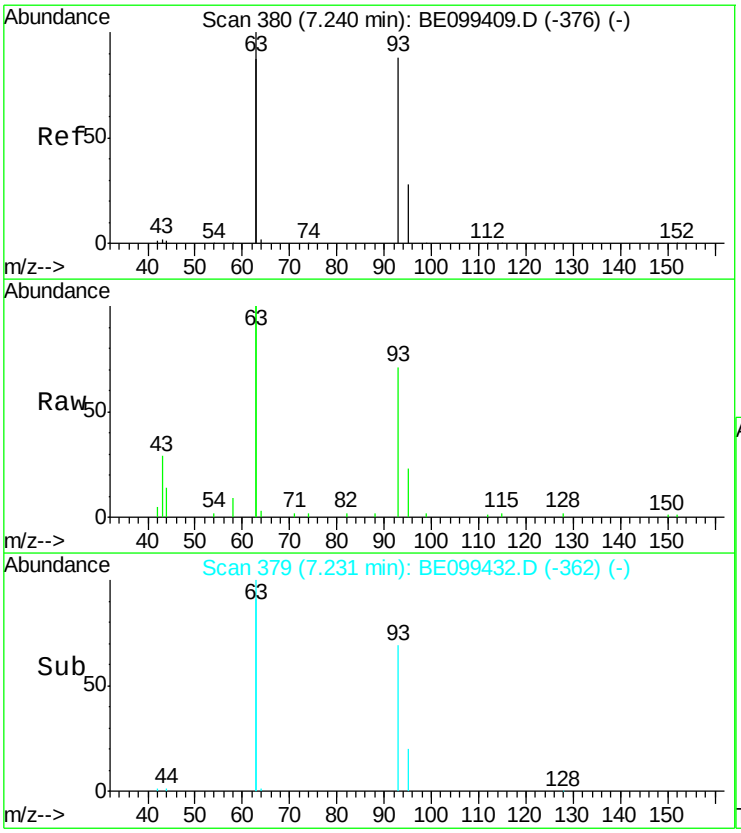
#5
Phenol-d6
Concen: 0.508 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion: 99 Resp: 5345

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.9	22.3
71	40.6	33.0	49.6

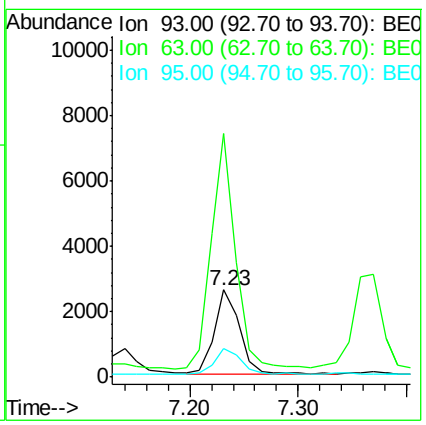


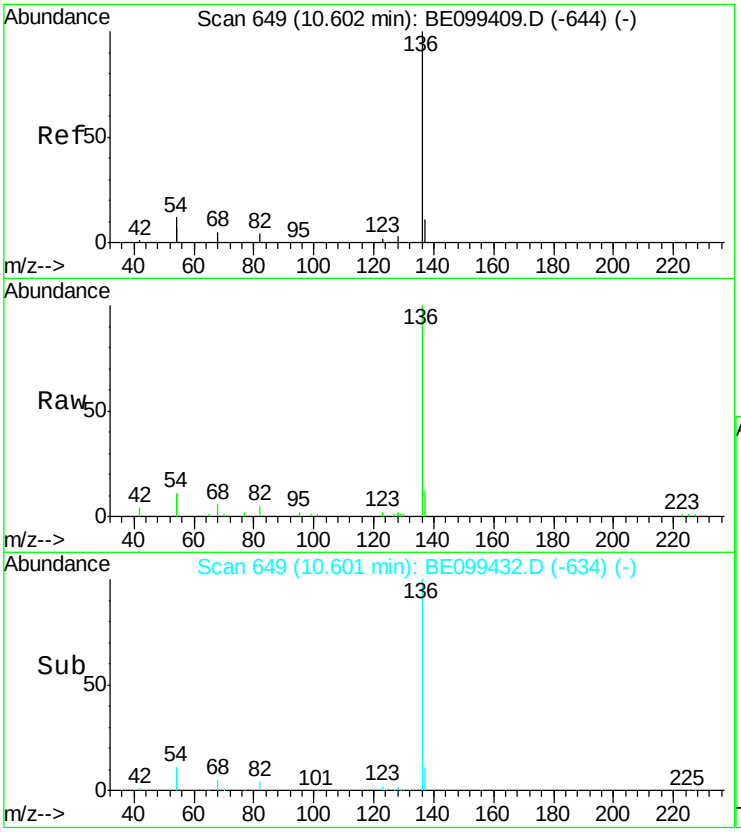


#6
bis(2-Chloroethyl)ether
Concen: 0.457 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion: 93 Resp: 4147

Ion	Ratio	Lower	Upper
93	100		
63	268.7	215.6	323.4
95	32.6	26.2	39.2



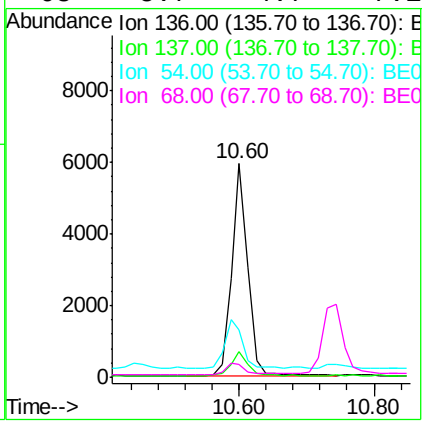


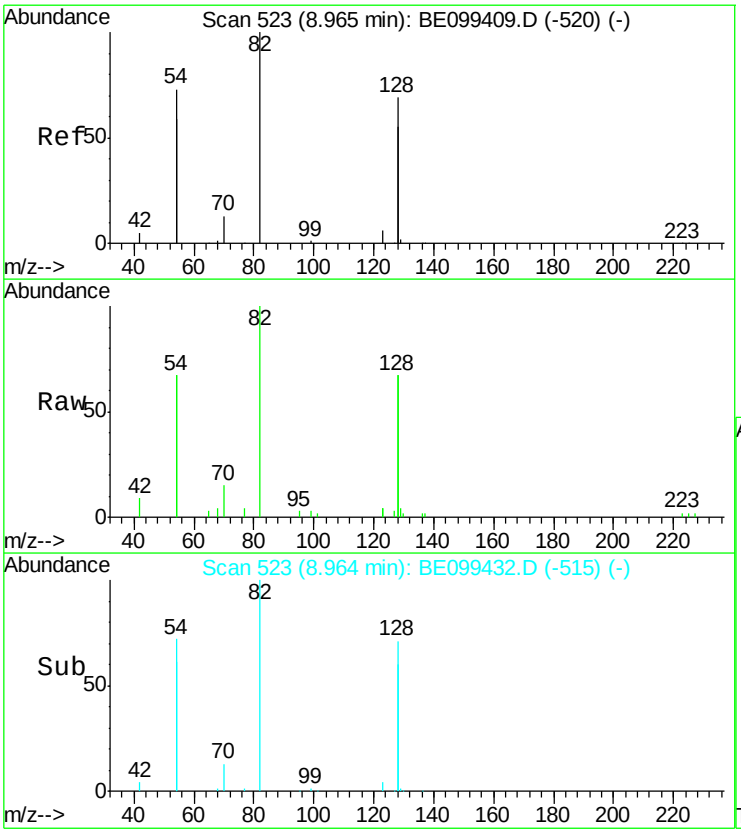
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:136 Resp: 9801

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	22.4	18.5	27.7
68	5.7	4.7	7.1

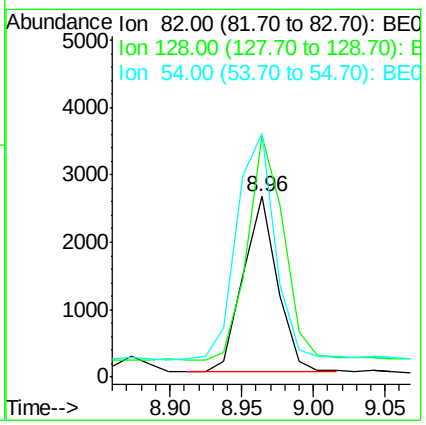


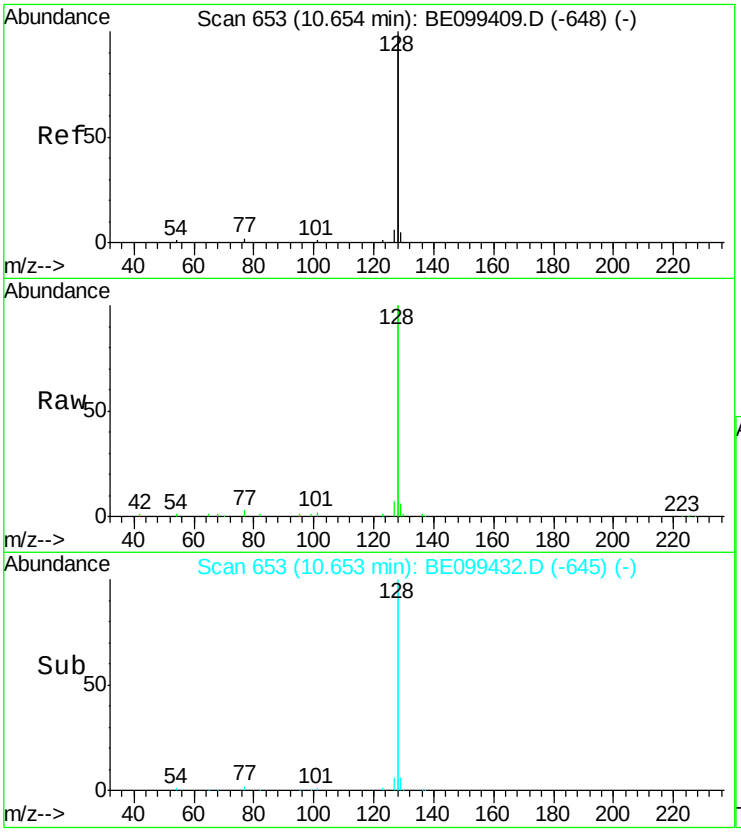


#8
Nitrobenzene-d5
Concen: 0.469 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion: 82 Resp: 4311

Ion	Ratio	Lower	Upper
82	100		
128	133.3	107.0	160.4
54	134.8	113.1	169.7



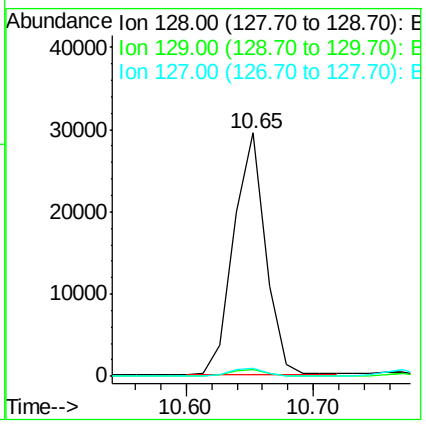


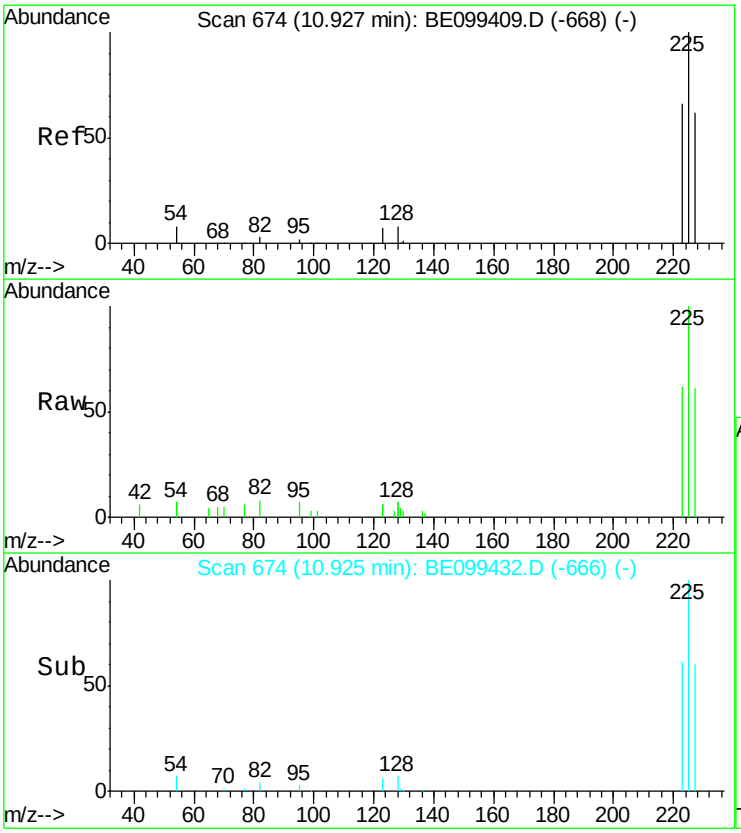
#9
Naphthalene
Concen: 0.475 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:128 Resp: 50697

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

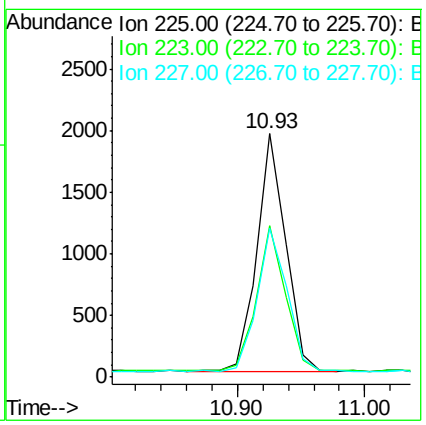


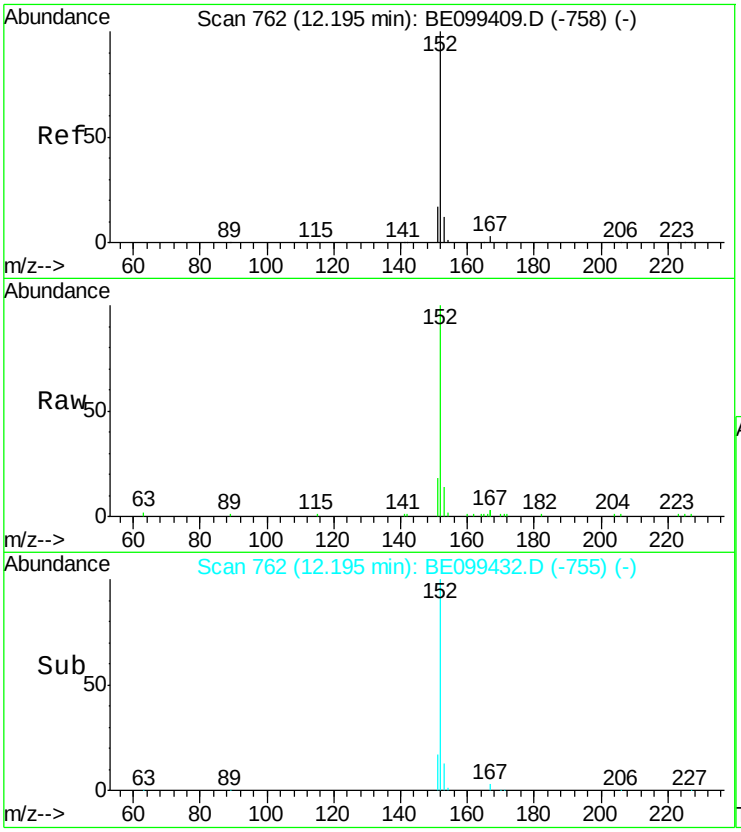


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:225 Resp: 3008

Ion	Ratio	Lower	Upper
225	100		
223	60.8	51.0	76.6
227	62.3	50.9	76.3



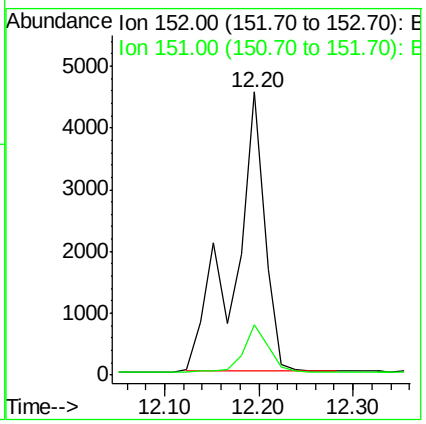


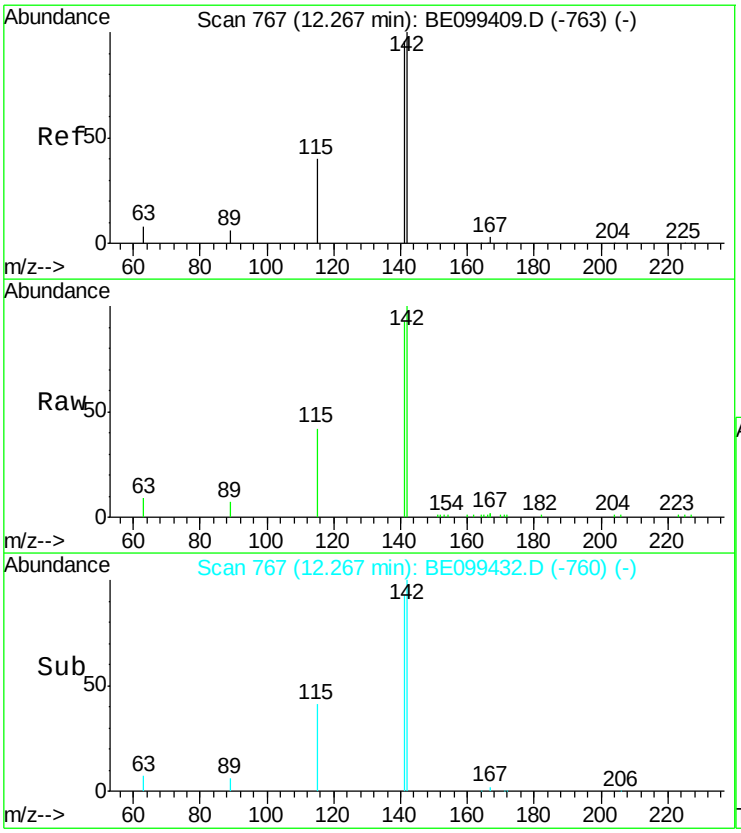
#11
2-Methylnaphthalene-d10
Concen: 0.581 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:152 Resp: 10254

Ion	Ratio	Lower	Upper
152	100		
151	13.5	15.5	23.3#

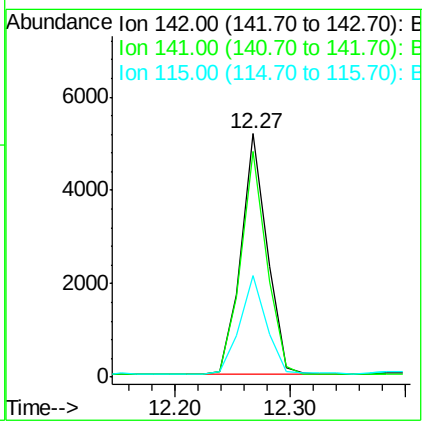


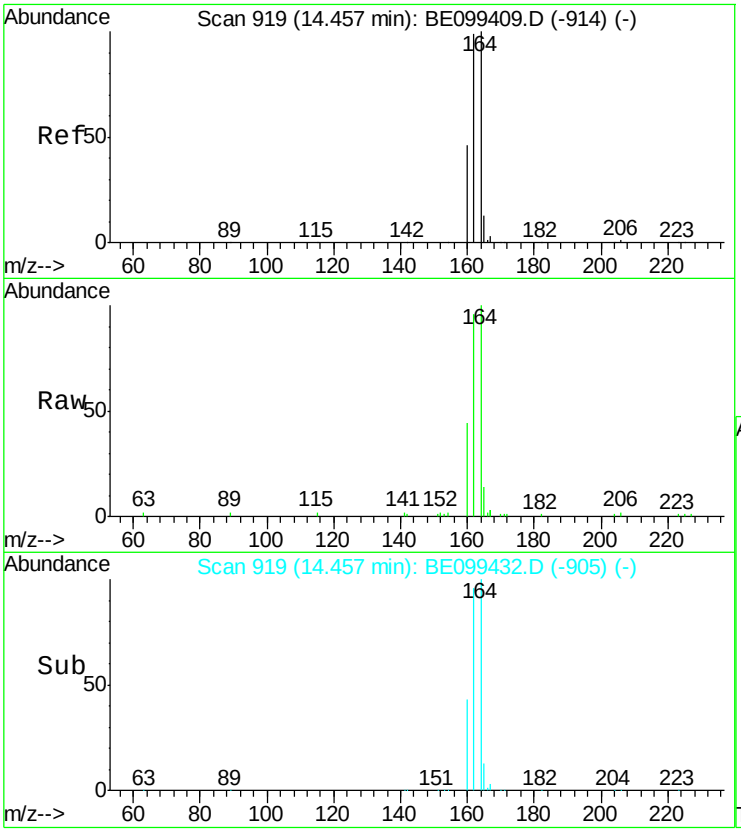


#12
2-Methylnaphthalene
Concen: 0.440 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:142 Resp: 8175

Ion	Ratio	Lower	Upper
142	100		
141	92.8	77.0	115.4
115	42.0	33.4	50.0



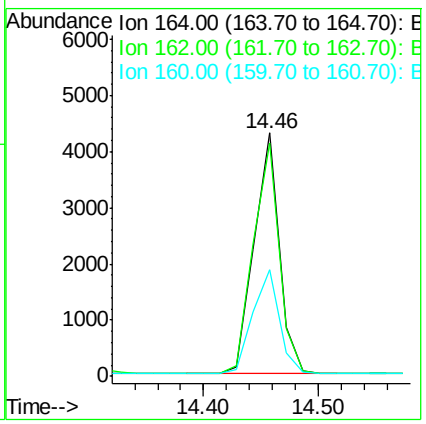


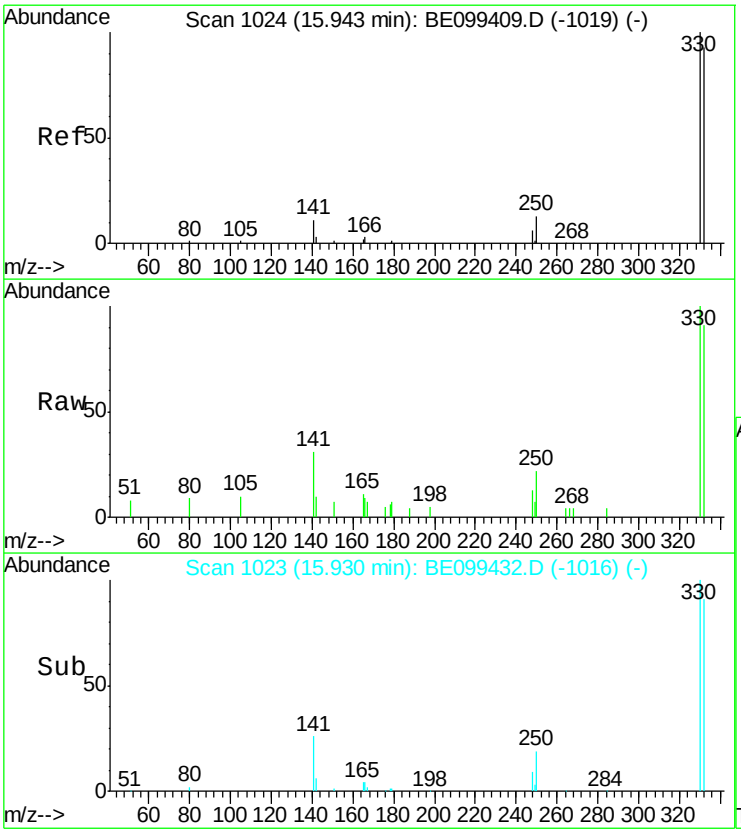
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:164 Resp: 6469

Ion	Ratio	Lower	Upper
164	100		
162	95.8	79.0	118.4
160	43.6	37.0	55.4

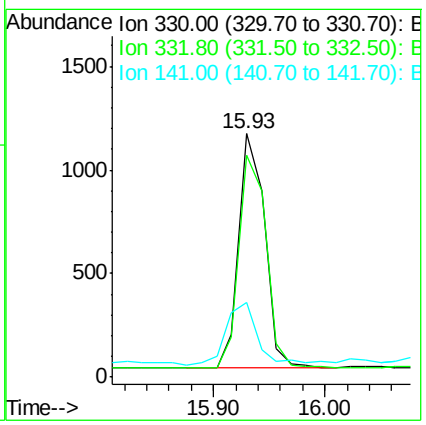


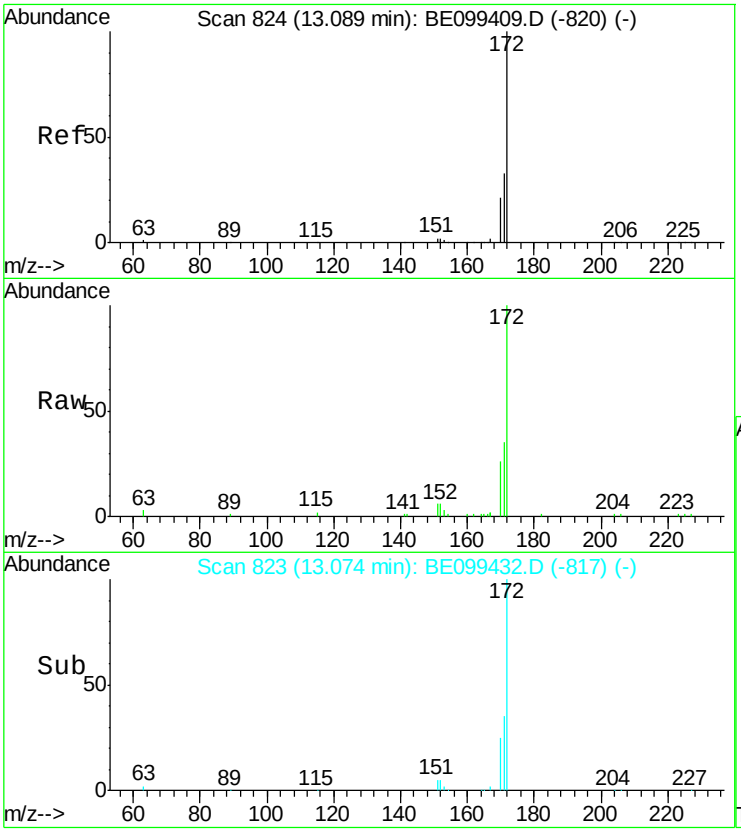


#14
2,4,6-Tribromophenol
Concen: 0.450 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:330 Resp: 1834

Ion	Ratio	Lower	Upper
330	100		
332	95.8	71.5	107.3
141	33.2	24.0	36.0



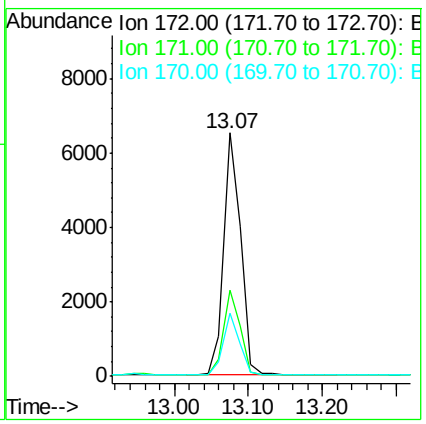


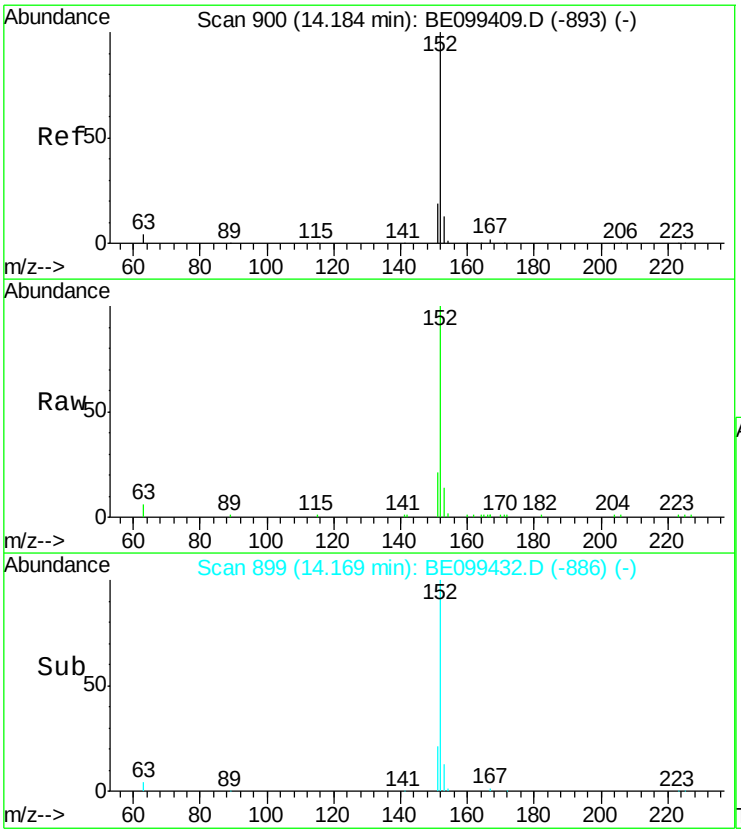
#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:172 Resp: 10326

Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.6	39.8
170	26.0	17.0	25.6#

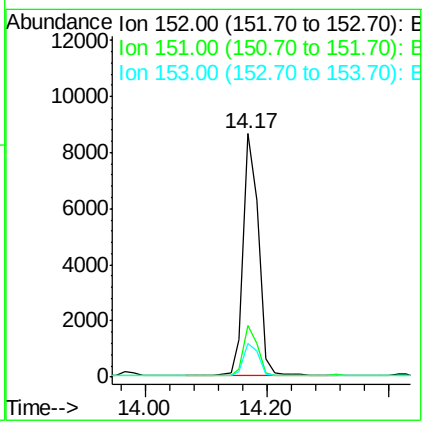


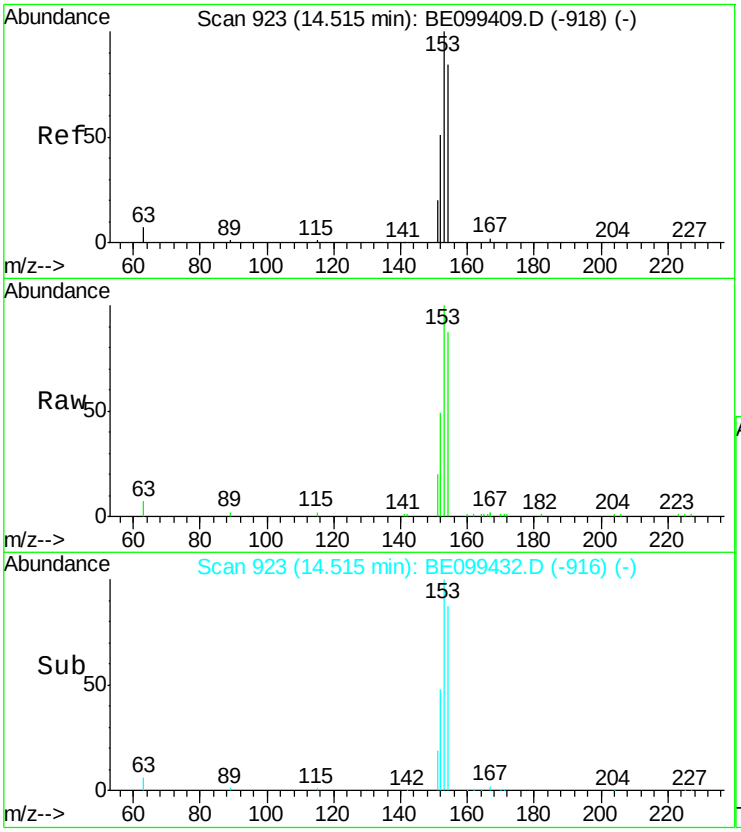


#16
Acenaphthylene
Concen: 0.471 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:152 Resp: 14920

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.4	9.8	14.6



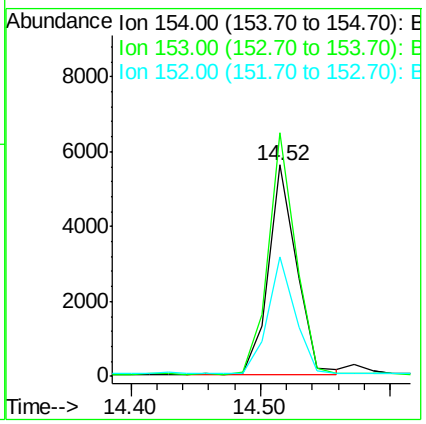


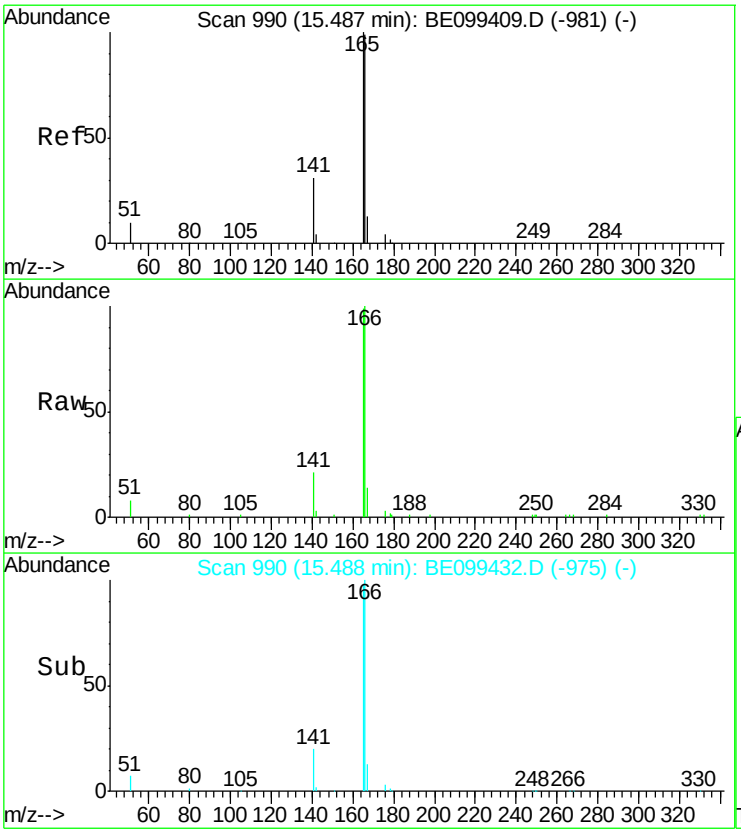
#17
Acenaphthene
Concen: 0.463 ng
RT: 14.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:154 Resp: 8371

Ion	Ratio	Lower	Upper
154	100		
153	112.5	92.6	138.8
152	54.8	45.8	68.8

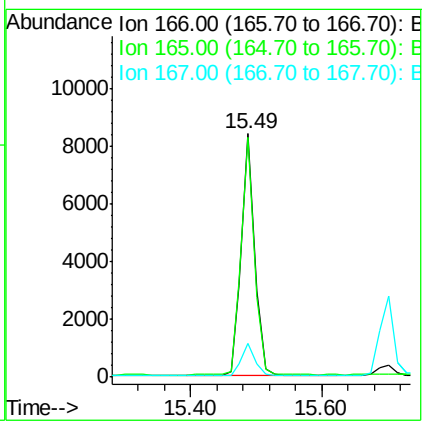


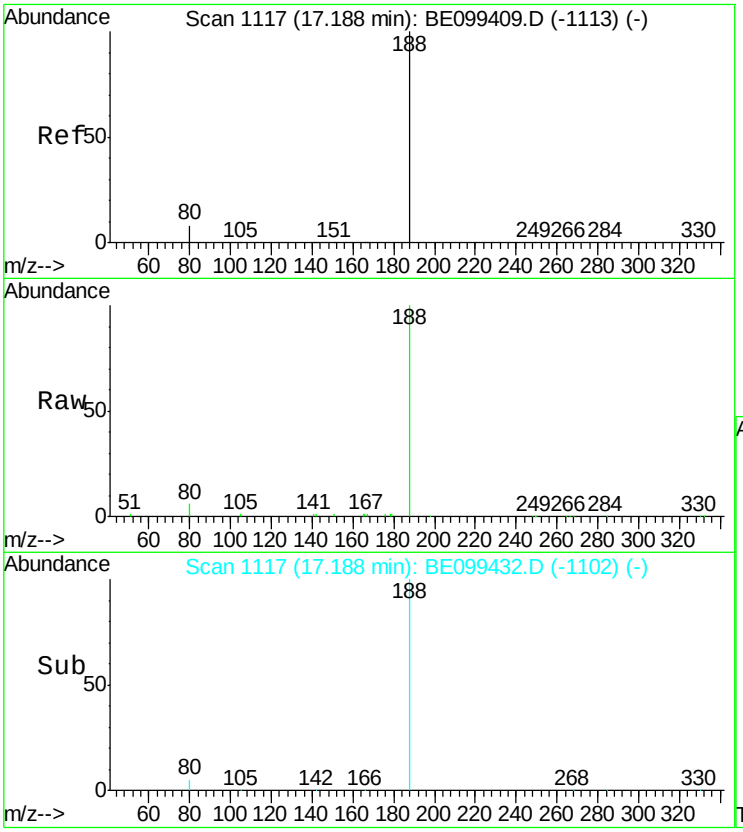


#18
Fluorene
Concen: 0.450 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:166 Resp: 11996

Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.3	120.5
167	13.3	10.7	16.1



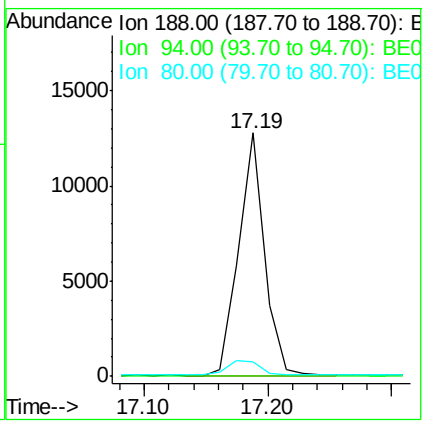


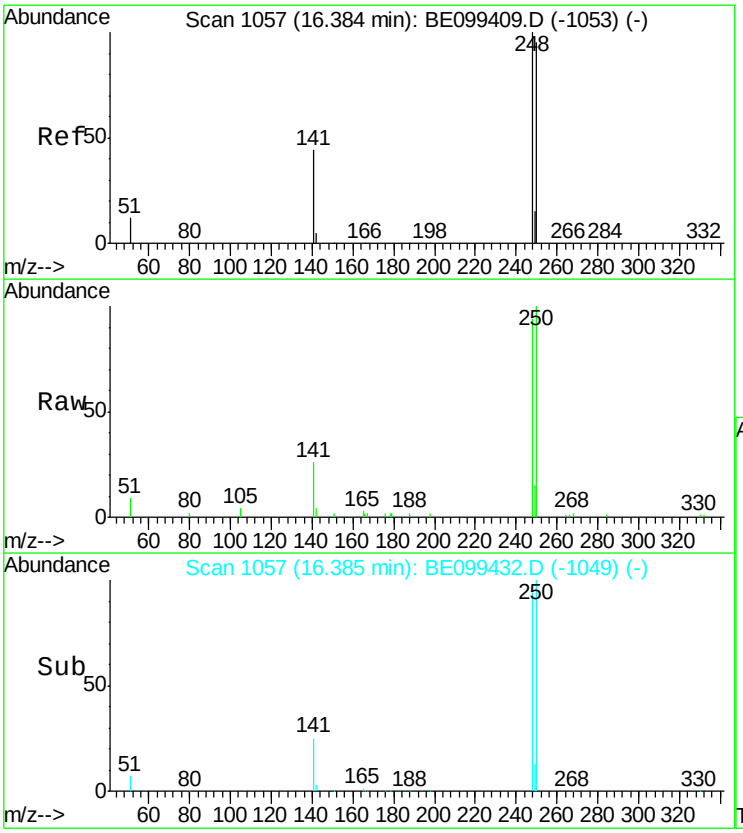
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:188 Resp: 18383

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	6.7	10.1#

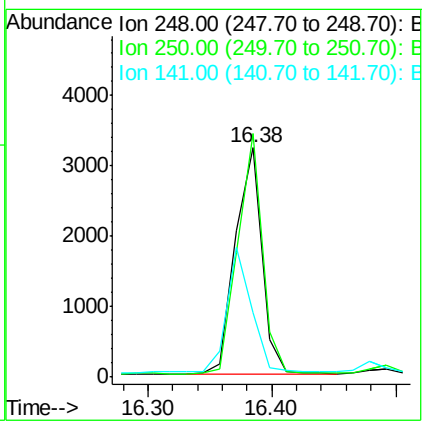


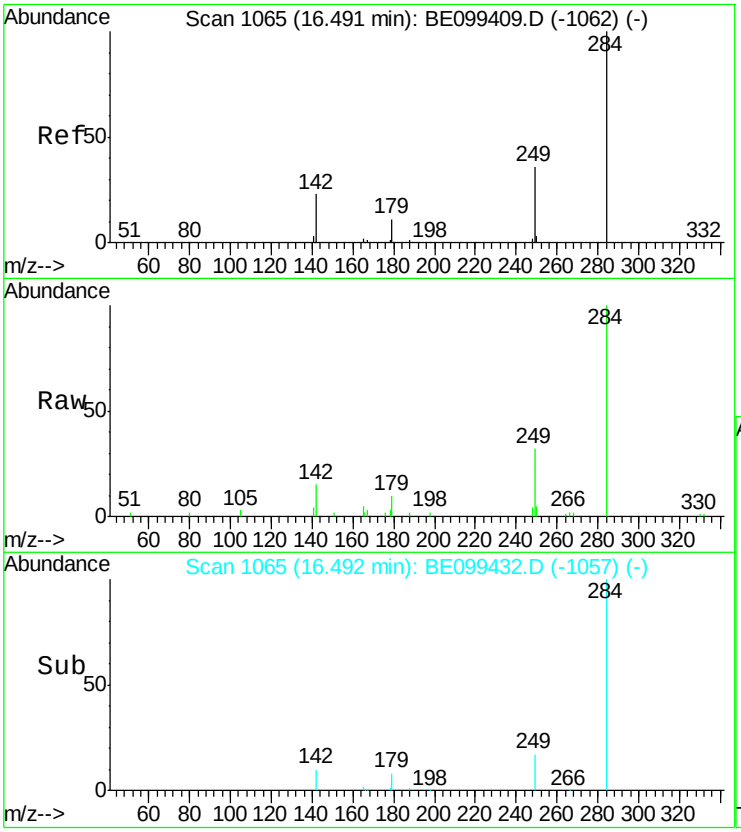


#20
4-Bromophenyl-phenylether
Concen: 0.447 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:248 Resp: 4780

Ion	Ratio	Lower	Upper
248	100		
250	106.1	75.8	113.8
141	28.1	35.7	53.5#



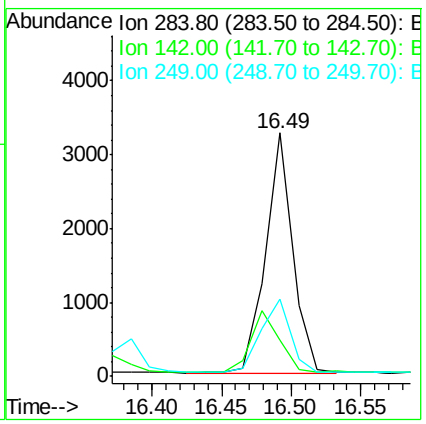


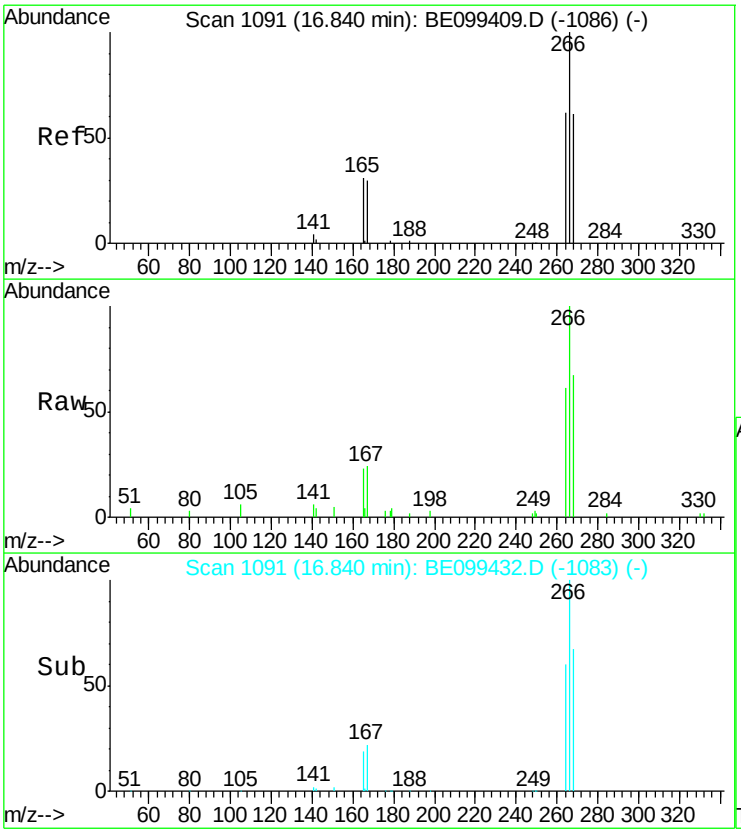
#21
Hexachlorobenzene
Concen: 0.432 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:284 Resp: 4411

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.0	31.6
249	32.9	26.7	40.1

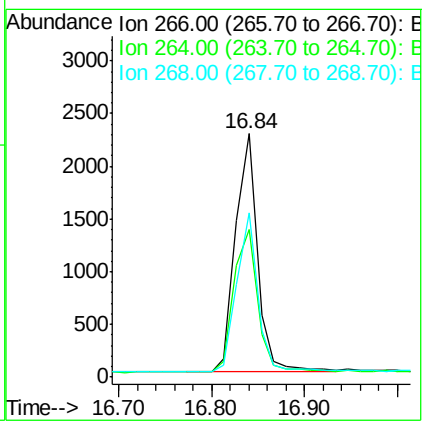


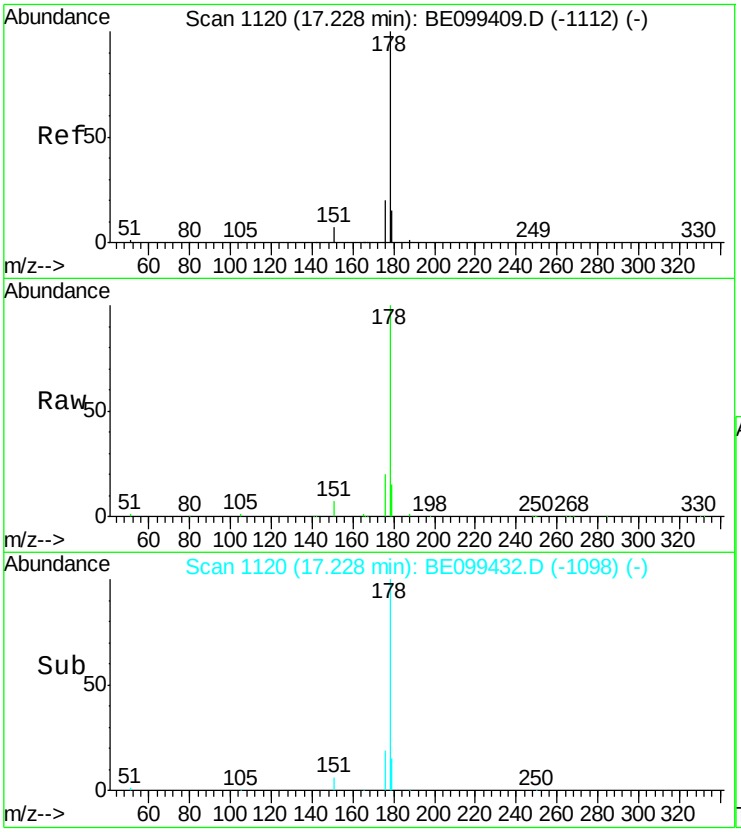


#22
Pentachlorophenol
Concen: 0.821 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:266 Resp: 3714

Ion	Ratio	Lower	Upper
266	100		
264	60.8	50.8	76.2
268	67.3	50.5	75.7



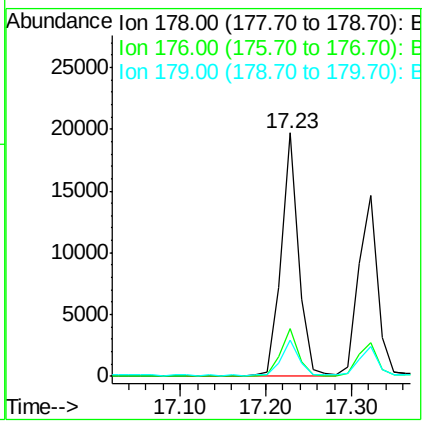


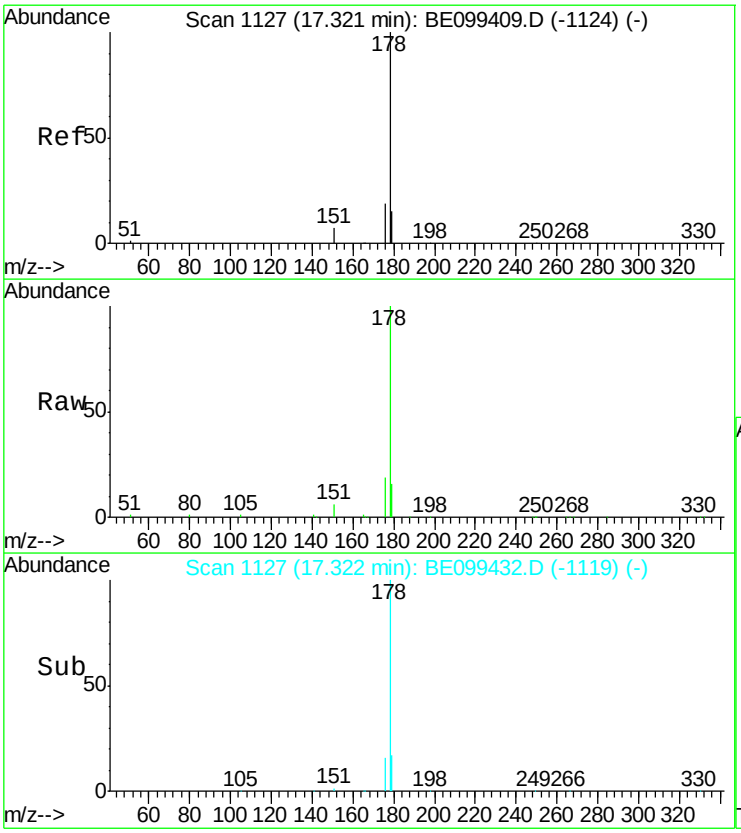
#23
Phenanthrene
Concen: 0.573 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:178 Resp: 27203

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	14.7	12.0	18.0

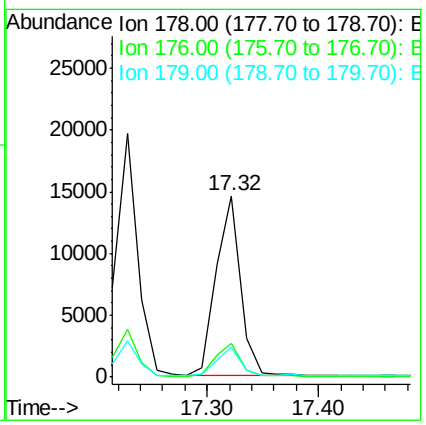


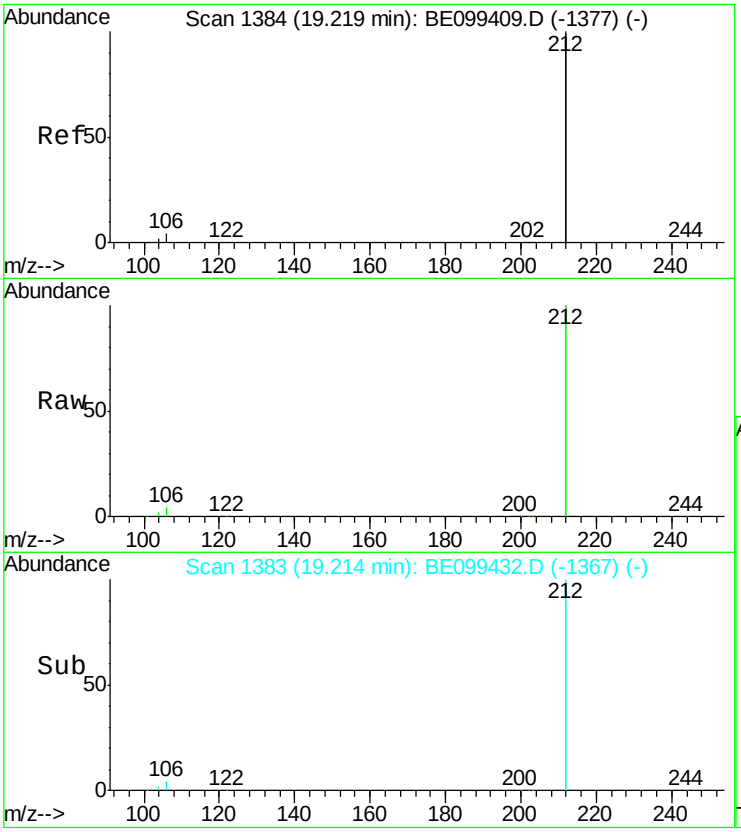


#24
Anthracene
Concen: 0.492 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:178 Resp: 22258

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.4	11.9	17.9



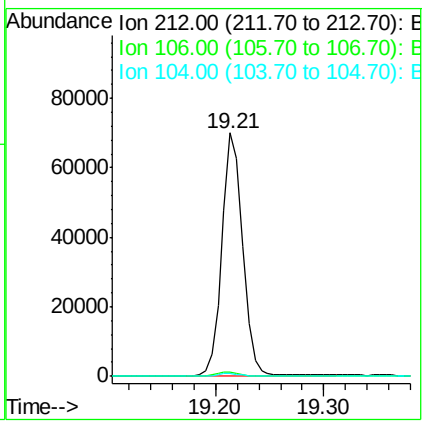


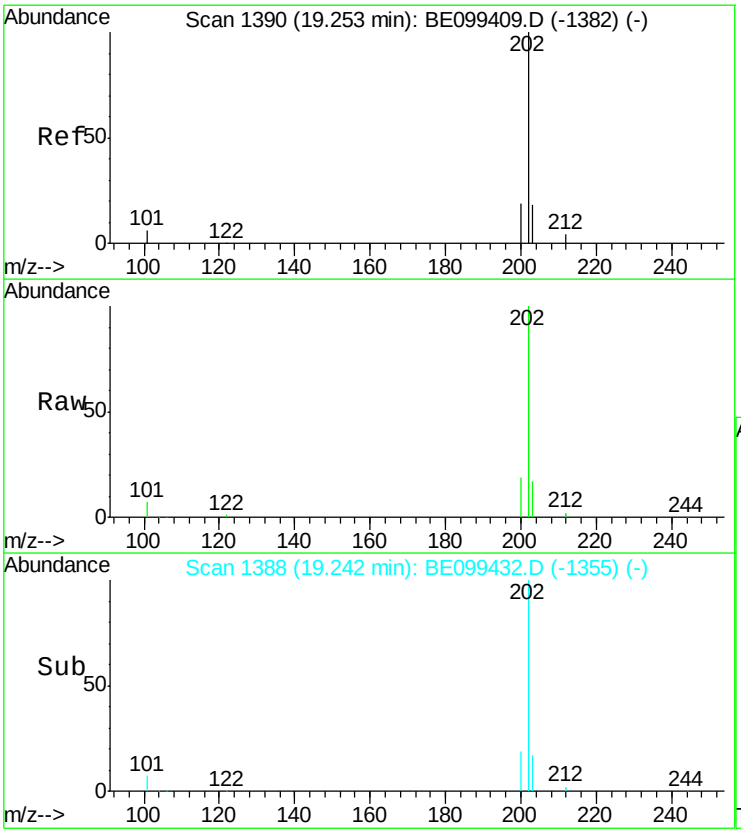
#25
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.21 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:212 Resp: 92191

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

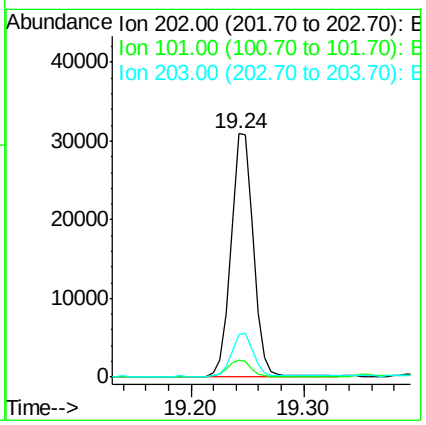


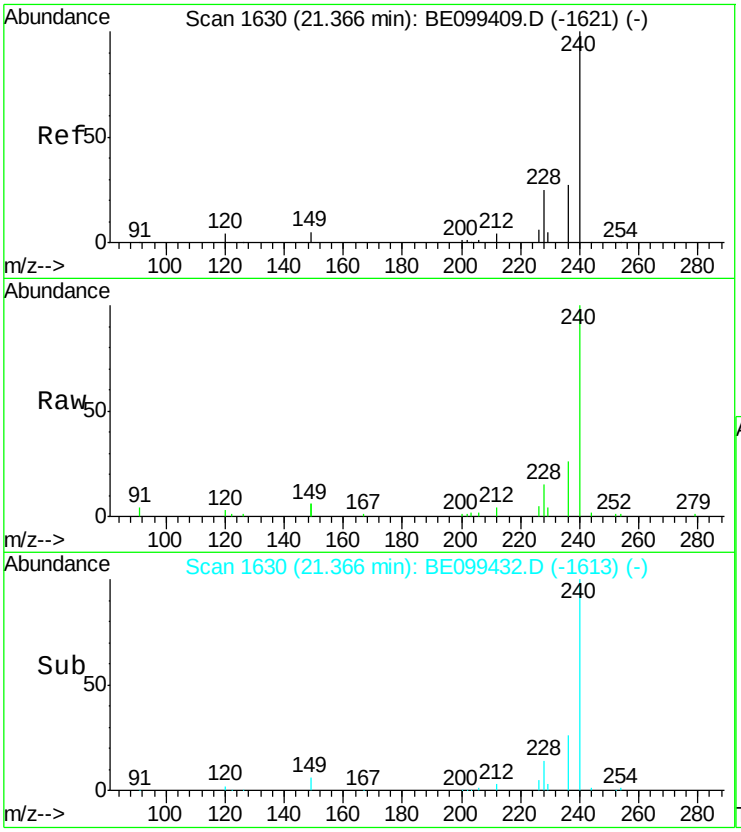


#26
Fluoranthene
Concen: 0.602 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:202 Resp: 42773

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.0
203	17.1	13.9	20.9



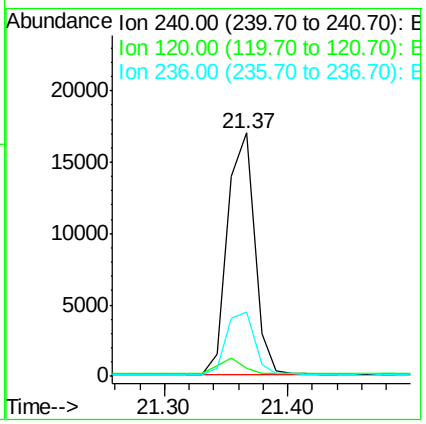


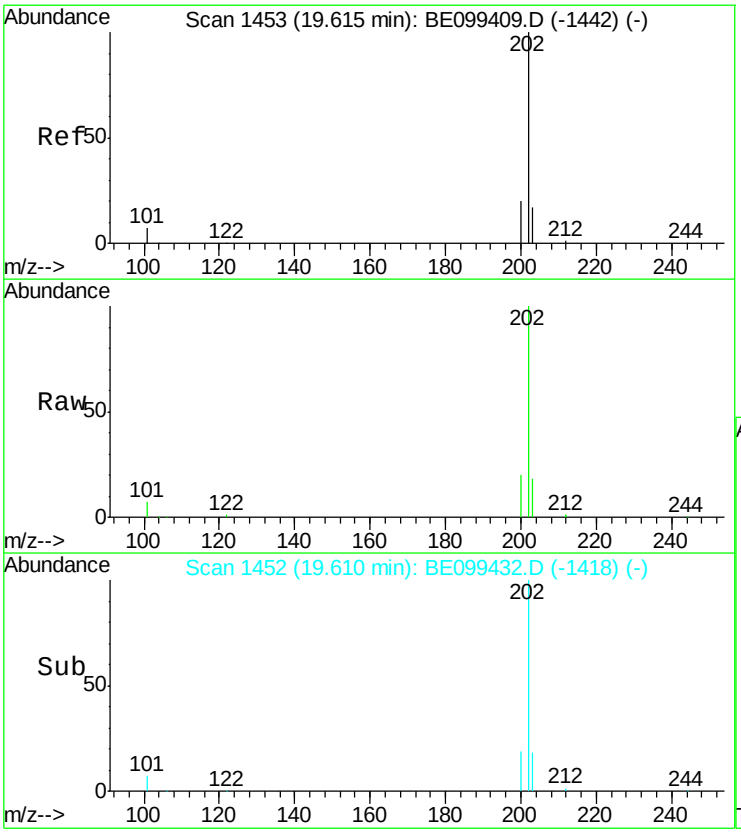
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:240 Resp: 26003

Ion	Ratio	Lower	Upper
240	100		
120	3.2	4.0	6.0#
236	26.4	22.0	33.0

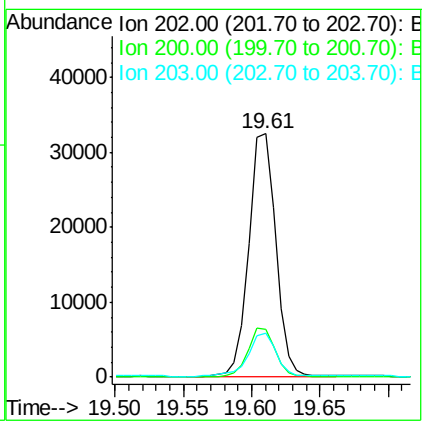


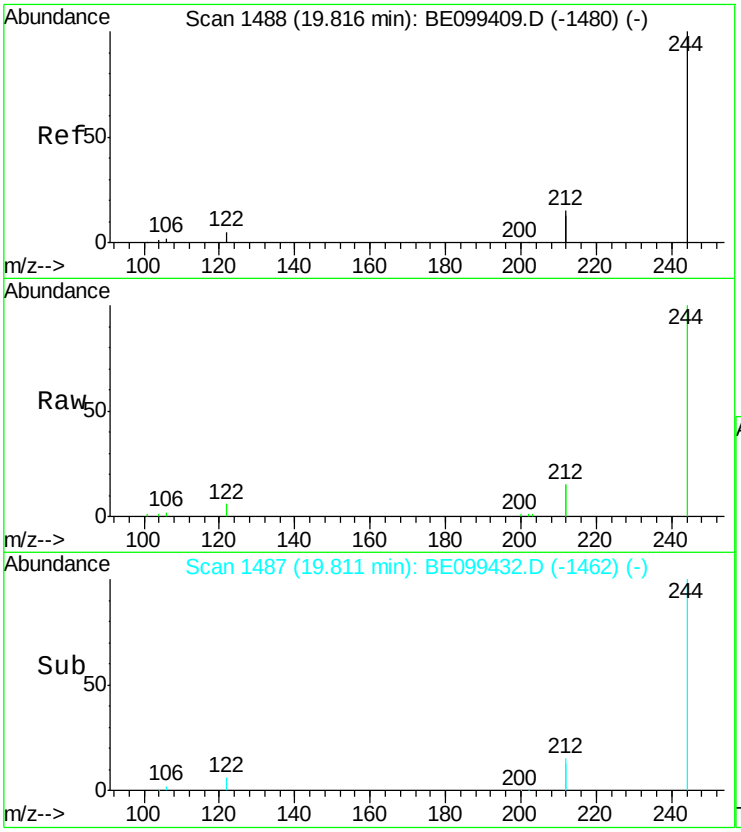


#28
Pyrene
Concen: 0.649 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:202 Resp: 43972

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	18.5	13.9	20.9



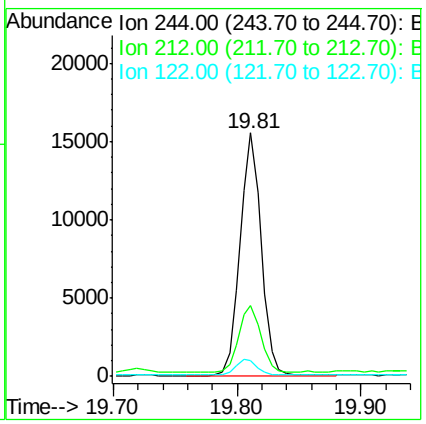


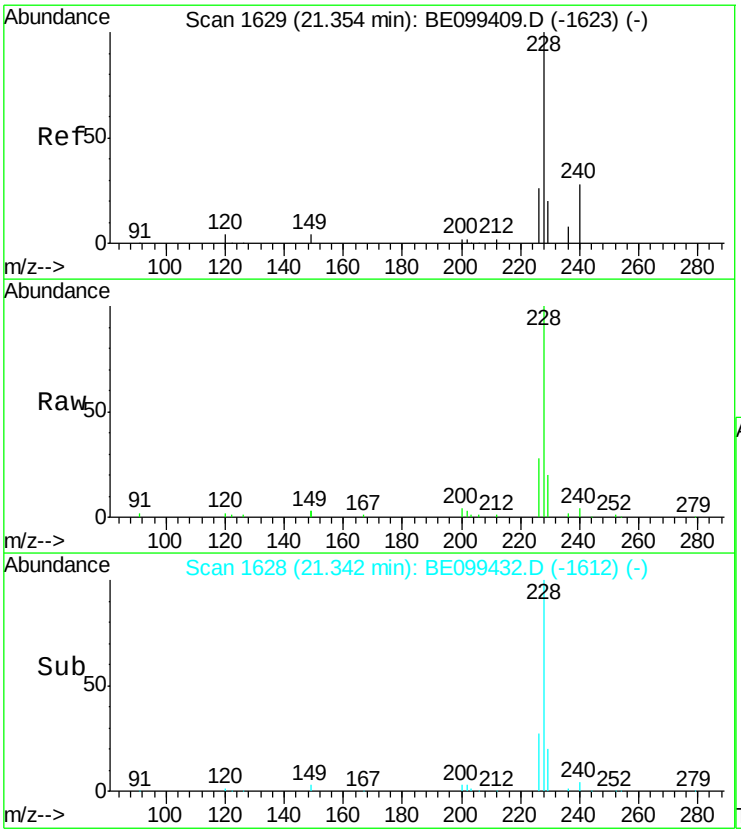
#29
Terphenyl-d14
Concen: 0.388 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:244 Resp: 18487

Ion	Ratio	Lower	Upper
244	100		
212	29.3	23.2	34.8
122	6.4	4.2	6.4#

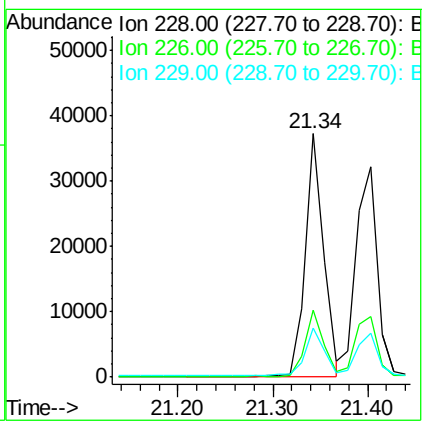


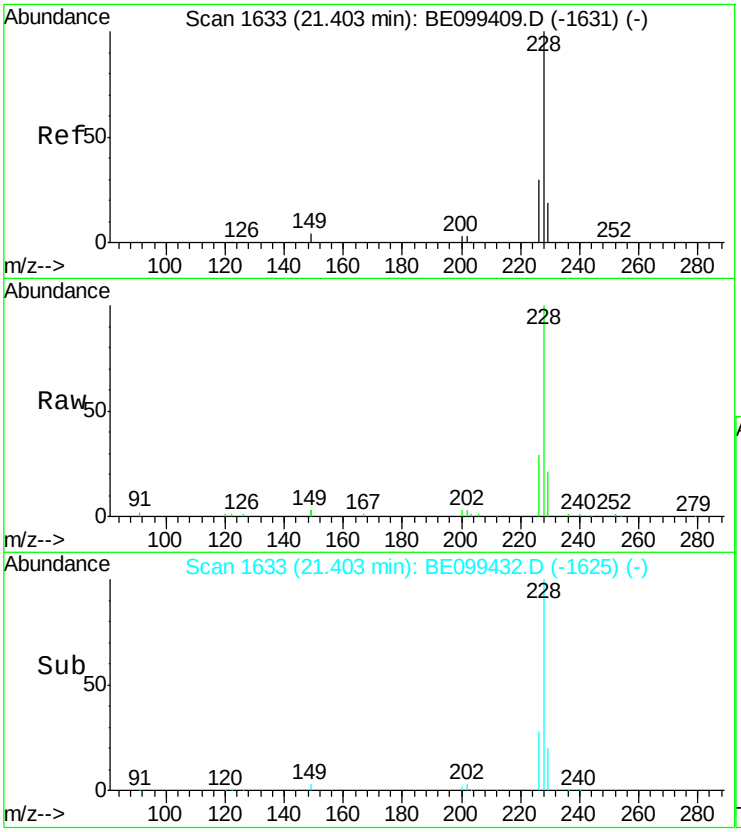


#30
Benzo(a)anthracene
Concen: 0.595 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:228 Resp: 49325

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.0	31.6
229	20.2	16.6	25.0



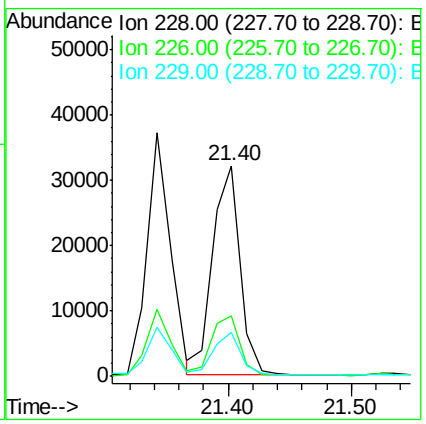


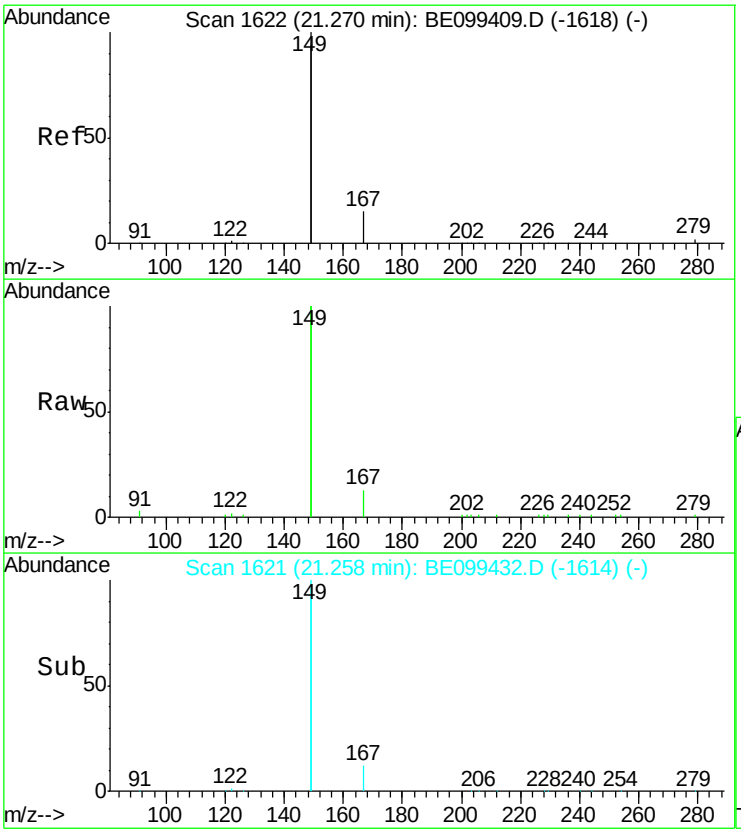
#31
Chrysene
Concen: 0.611 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:228 Resp: 49530

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	21.2	15.8	23.8

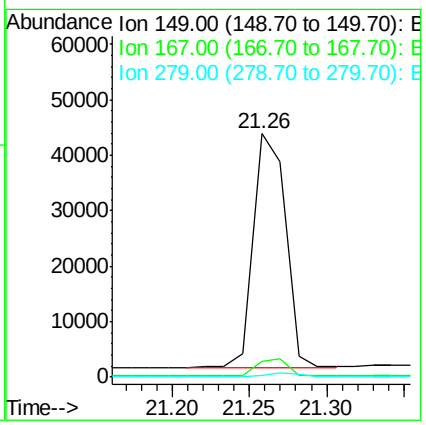


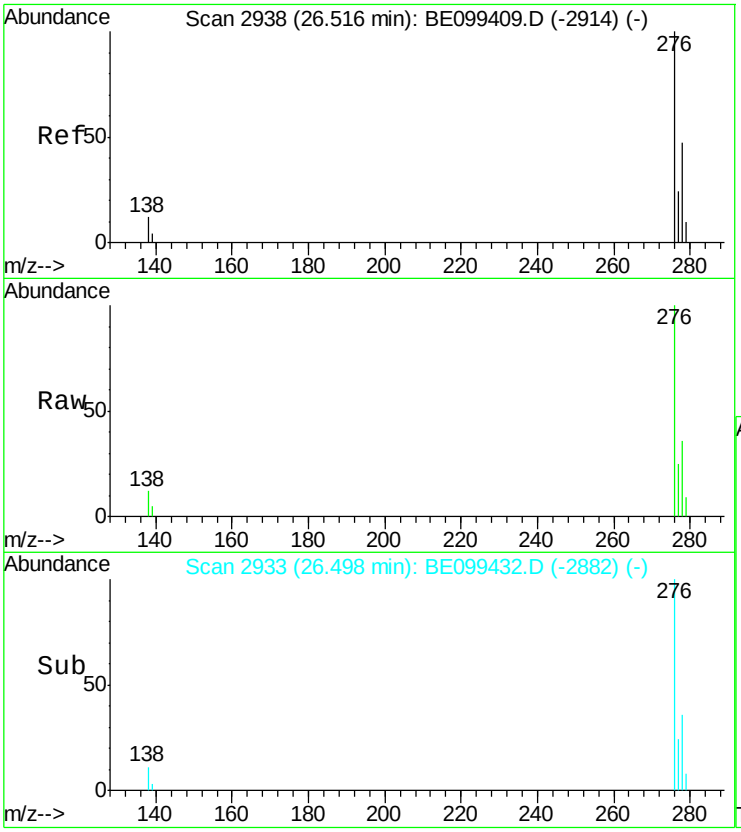


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.458 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:149 Resp: 61961

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.8	8.6
279	1.4	1.0	1.6



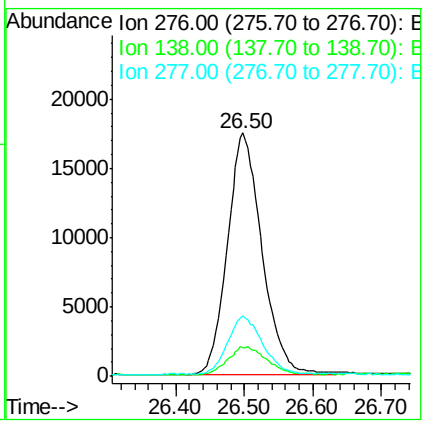


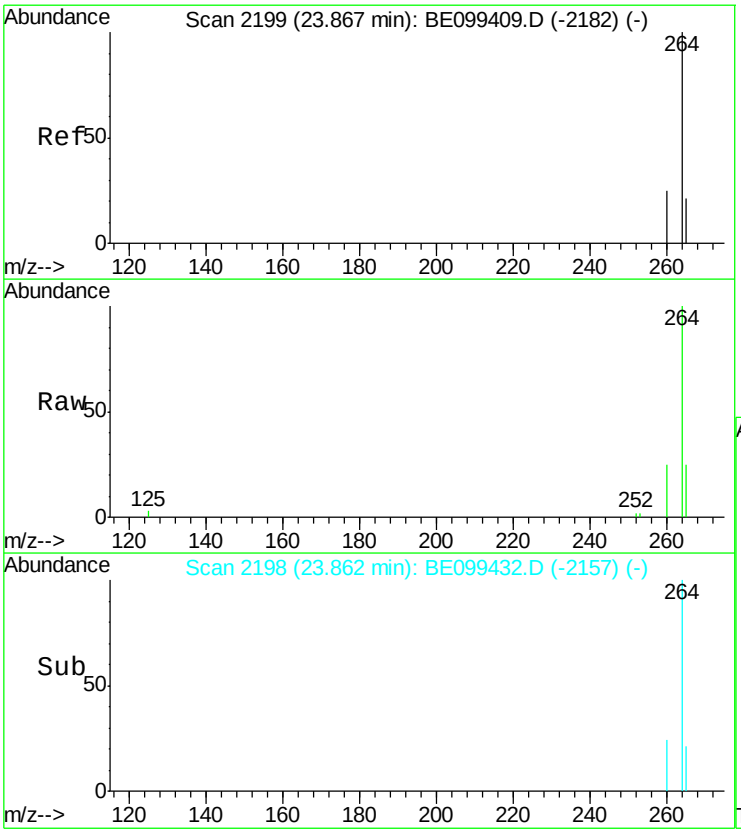
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.636 ng
RT: 26.50 min Scan# 2933
Delta R.T. -0.02 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:276 Resp: 60899

Ion	Ratio	Lower	Upper
276	100		
138	12.4	10.2	15.2
277	24.1	19.2	28.8

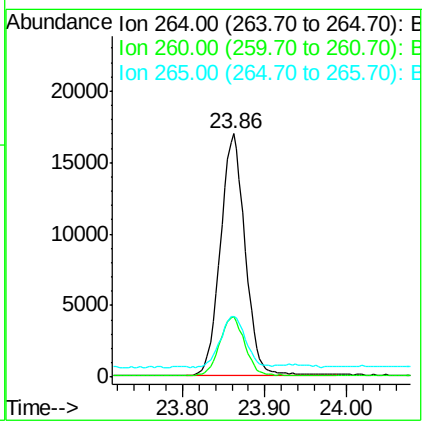


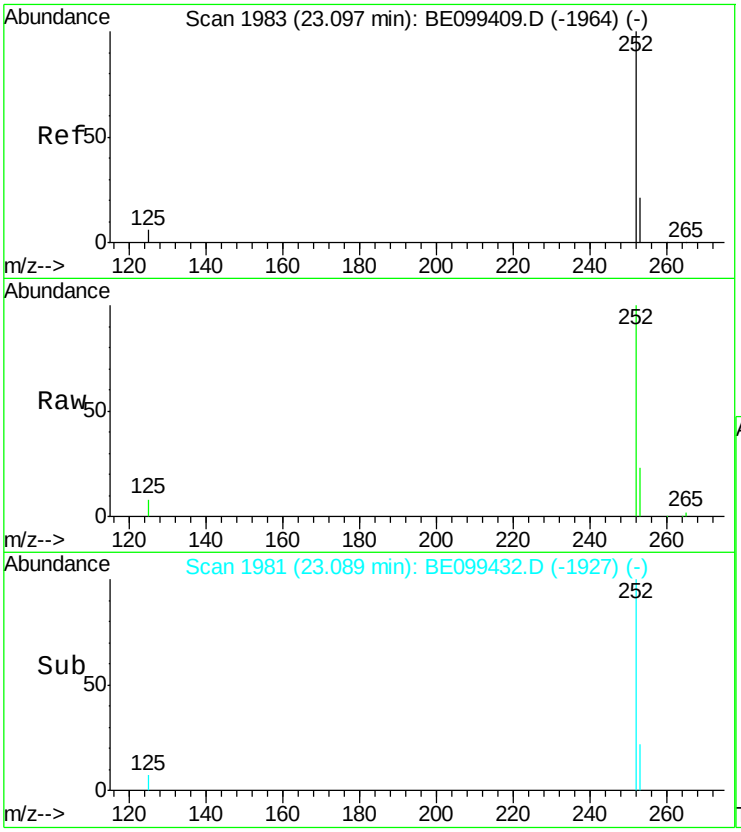


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:264 Resp: 35341

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	25.0	21.3	31.9



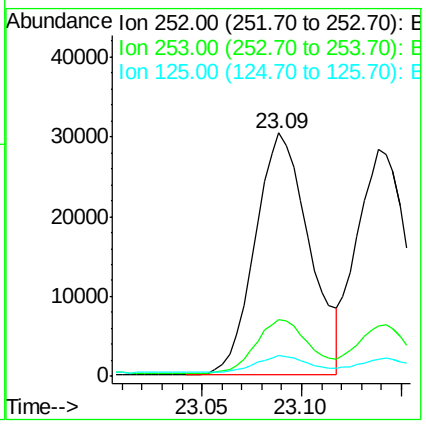


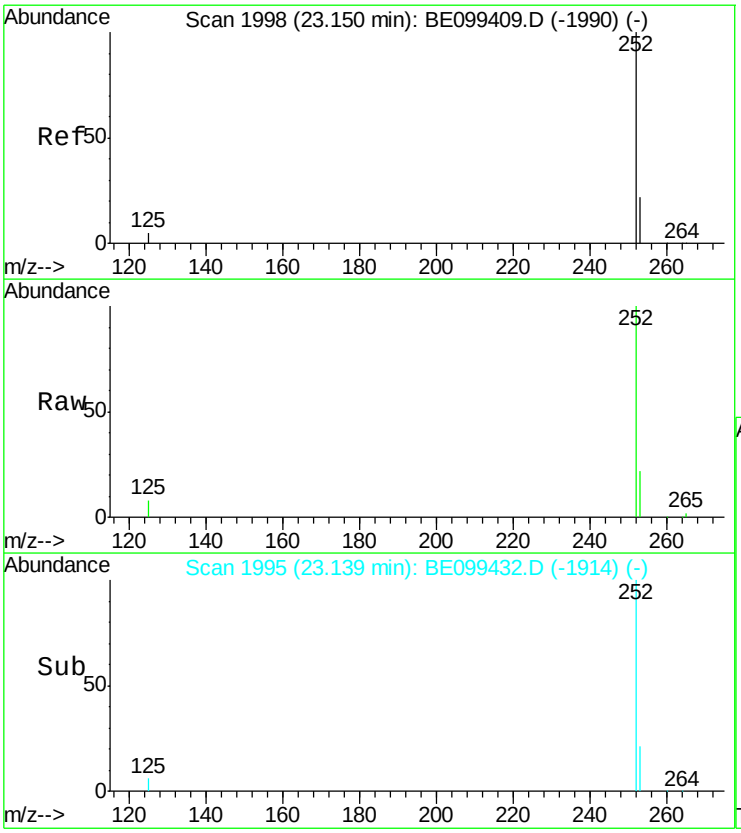
#35
Benzo(b)fluoranthene
Concen: 0.561 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:252 Resp: 57164

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	8.4	5.6	8.4

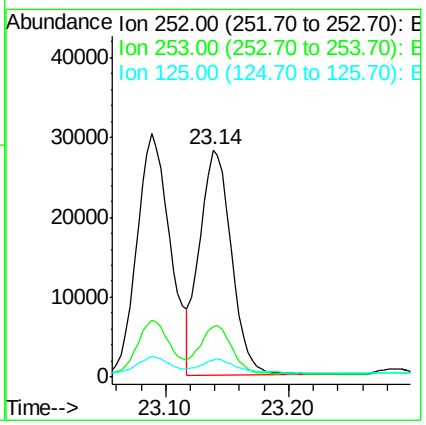


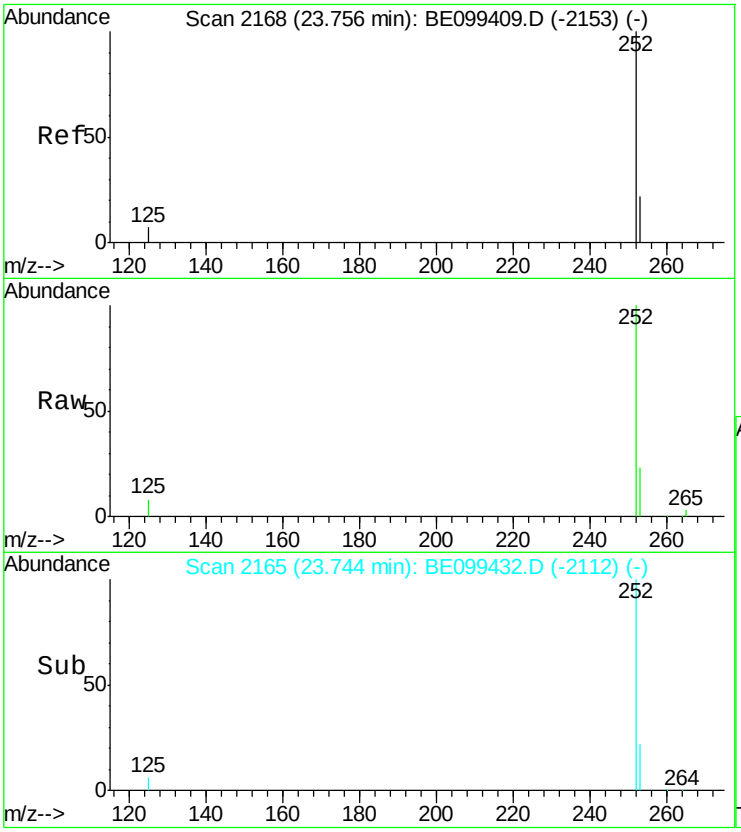


#36
Benzo(k)fluoranthene
Concen: 0.515 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:252 Resp: 50616

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	7.5	5.0	7.4#



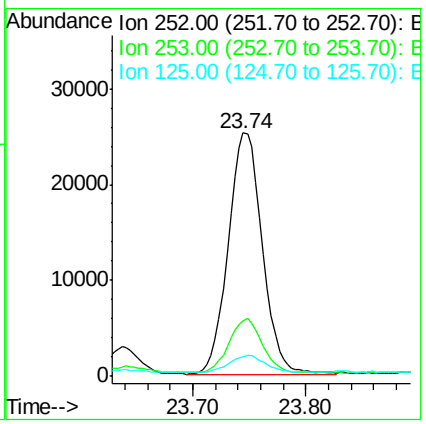


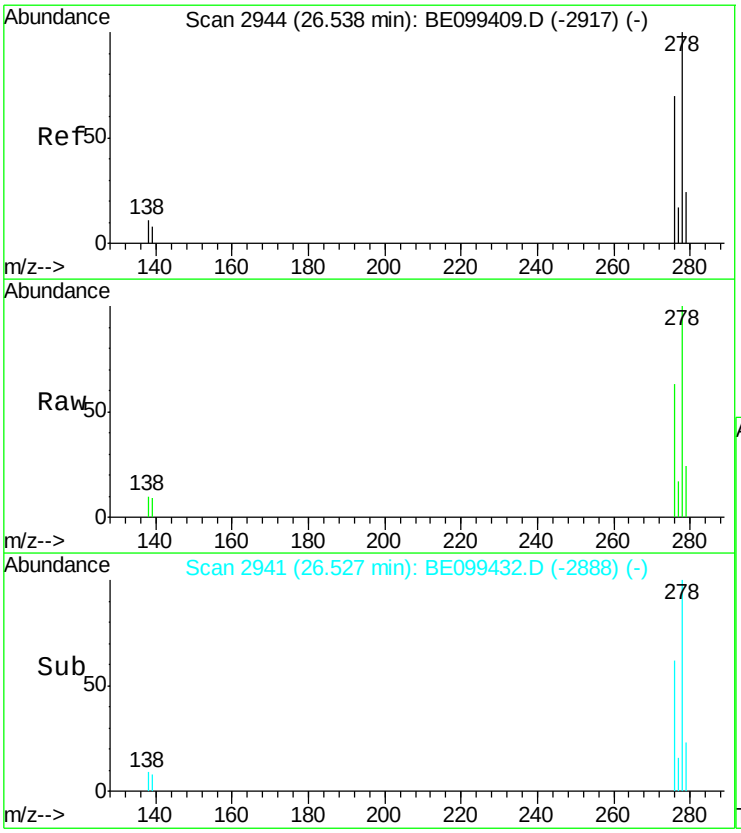
#37
Benzo(a)pyrene
Concen: 0.546 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:252 Resp: 52605

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	8.2	6.7	10.1

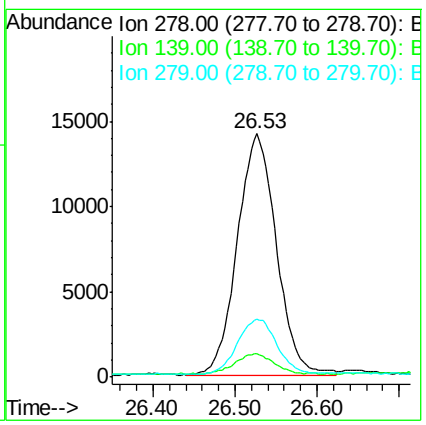


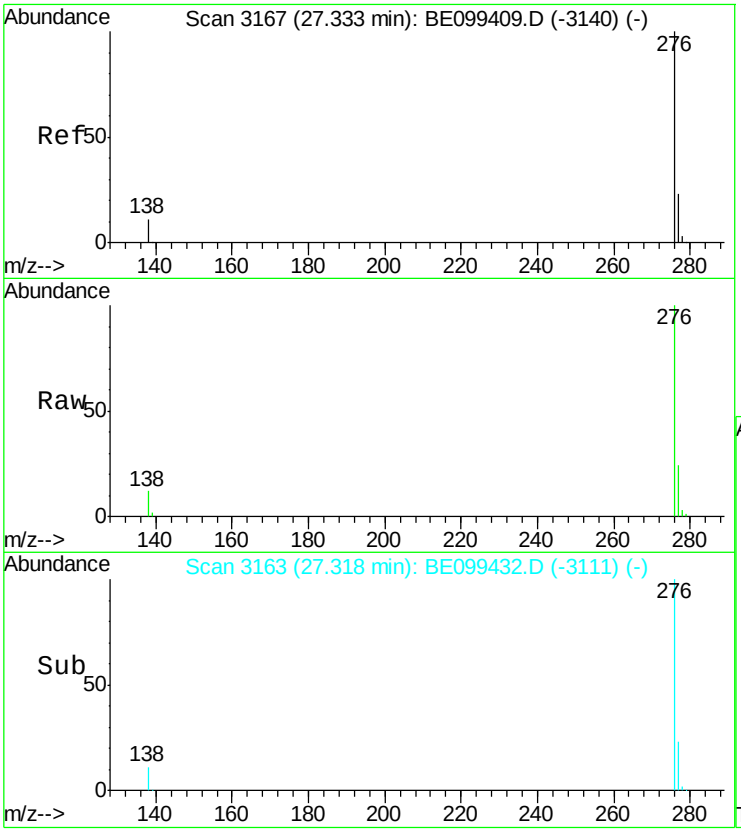


#38
Dibenzo(a,h)anthracene
Concen: 0.475 ng
RT: 26.53 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

Tgt Ion:278 Resp: 46769

Ion	Ratio	Lower	Upper
278	100		
139	9.4	7.7	11.5
279	24.0	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.530 ng
RT: 27.32 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BE099432.D
Acq: 30 Apr 2019 18:35

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

Tgt Ion:276 Resp: 52367

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	11.8	9.6	14.4