Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099396.D
Acq On : 27 Apr 2019 2:32
Operator : JU/SJ
Sample : K2533-13MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-028-SW005-042219MS

Quant Time: Apr 27 05:10:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3443	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	13201	0.40	ng		0.01
13) Acenaphthene-d10	14.46	164	9474	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	27600	0.40	ng		0.01
27) Chrysene-d12	21.37	240	31892	0.40	ng		0.00
34) Perylene-d12	23.88	264	35476	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	3590	0.43	ng		0.01
5) Phenol-d6	6.97	99	5037	0.42	ng		0.00
8) Nitrobenzene-d5	8.98	82	4626	0.45	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	10670	0.46	ng		0.01
14) 2,4,6-Tribromophenol	15.94	330	2253	0.72	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	12774	0.34	ng		0.00
25) Fluoranthene-d10	19.22	212	120359	0.36	ng		0.00
29) Terphenyl-d14	19.82	244	21013	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	1161	0.241	ng	#	45
3) n-Nitrosodimethylamine	3.65	42	954	0.368	ng	#	91
6) bis(2-Chloroethyl)ether	7.24	93	3717	0.332	ng		95
9) Naphthalene	10.67	128	54861	0.381	ng		100
10) Hexachlorobutadiene	10.94	225	3286	0.359	ng		98
12) 2-Methylnaphthalene	12.28	142	9773	0.399	ng		98
16) Acenaphthylene	14.18	152	20377	0.476	ng		99
17) Acenaphthene	14.53	154	11176	0.424	ng		98
18) Fluorene	15.50	166	16864	0.445	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	6068	0.397	ng	#	86
21) Hexachlorobenzene	16.51	284	5754	0.391	ng		98
22) Pentachlorophenol	16.84	266	6884	1.380	ng		95
23) Phenanthrene	17.24	178	77525	1.061	ng		100
24) Anthracene	17.32	178	38027	0.585	ng		99
26) Fluoranthene	19.25	202	148370	1.517	ng		98
28) Pyrene	19.62	202	144026	1.533	ng	#	96
30) Benzo(a)anthracene	21.36	228	107549	1.147	ng		98
31) Chrysene	21.40	228	98296	0.985	ng		96
32) Bis(2-ethylhexyl)phthalate	21.27	149	81834	0.959	ng		100
33) Indeno(1,2,3-cd)pyrene	26.53	276	62895	0.638	ng	#	94
35) Benzo(b)fluoranthene	23.10	252	102585	0.945	ng		96
36) Benzo(k)fluoranthene	23.10	252	102585	0.947	ng		98
37) Benzo(a)pyrene	23.76	252	84972	0.873	ng		96
38) Dibenzo(a,h)anthracene	26.55	278	37796	0.380	ng	#	92
39) Benzo(g,h,i)perylene	27.35	276	48048	0.476	ng		96

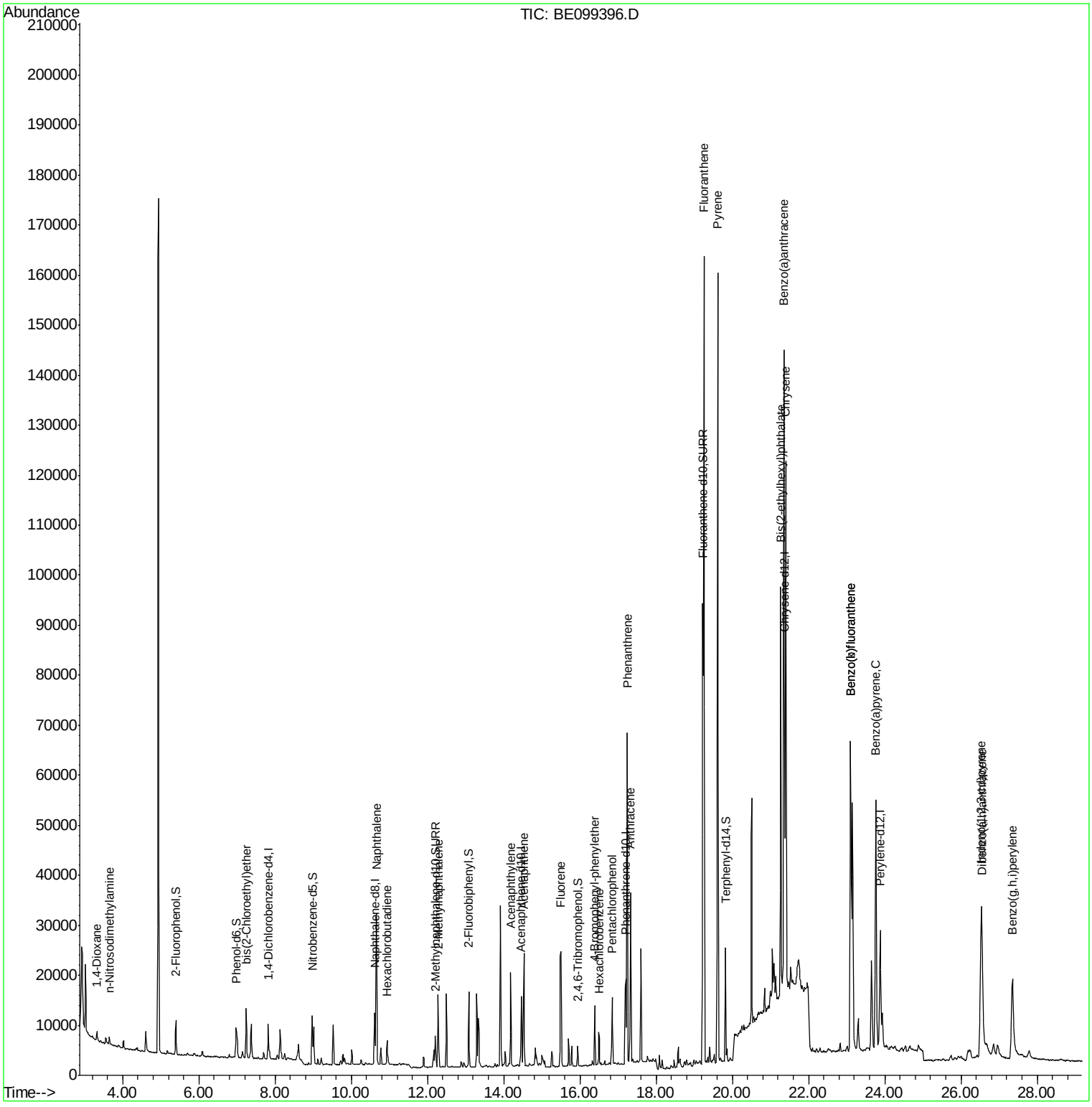
(#) = qualifier out of range (m) = manual integration (+) = signals summed

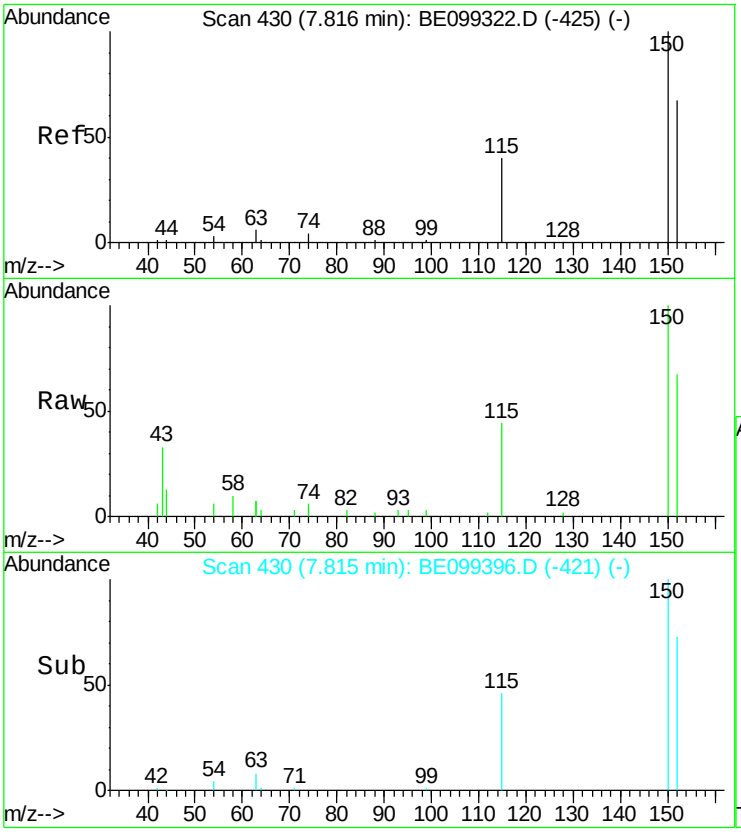
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099396.D
Acq On : 27 Apr 2019 2:32
Operator : JU/SJ
Sample : K2533-13MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Quant Time: Apr 27 05:10:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration



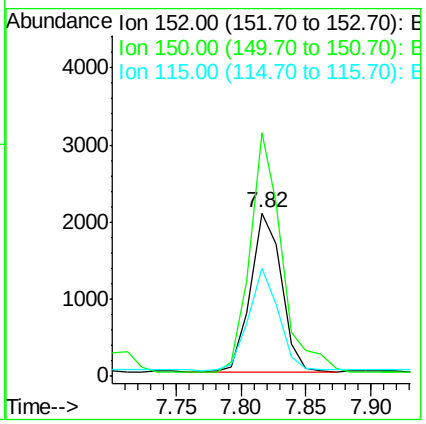


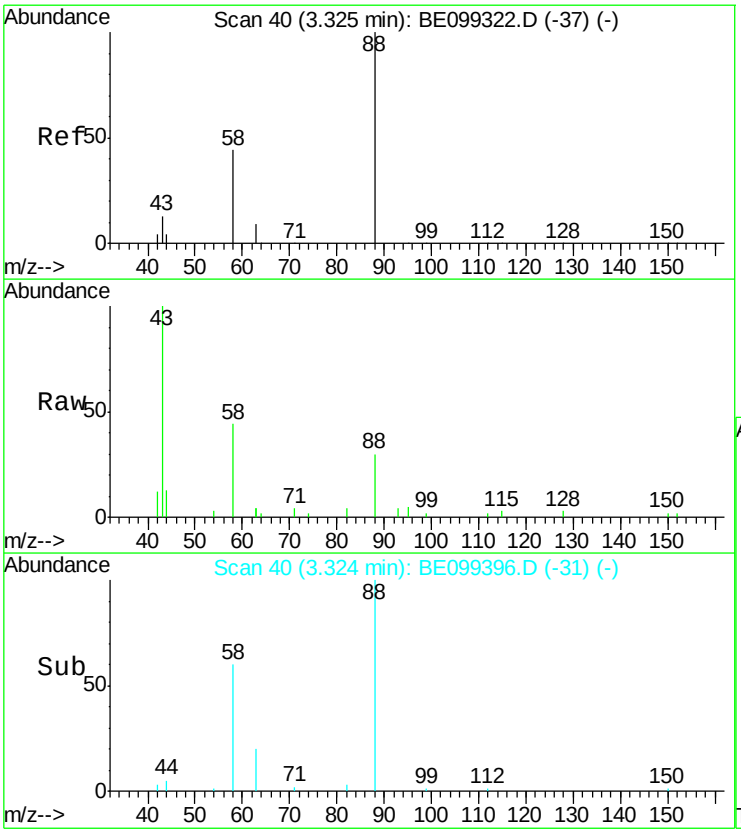
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:152 Resp: 3443

Ion	Ratio	Lower	Upper
152	100		
150	149.1	119.5	179.3
115	65.8	47.5	71.3

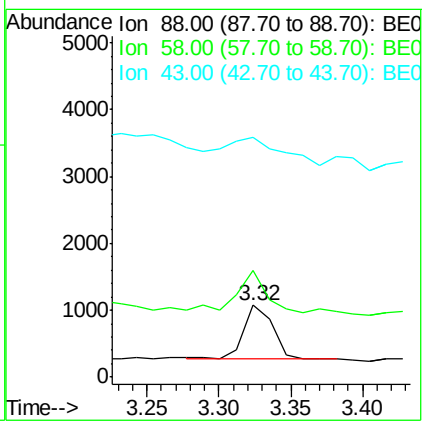


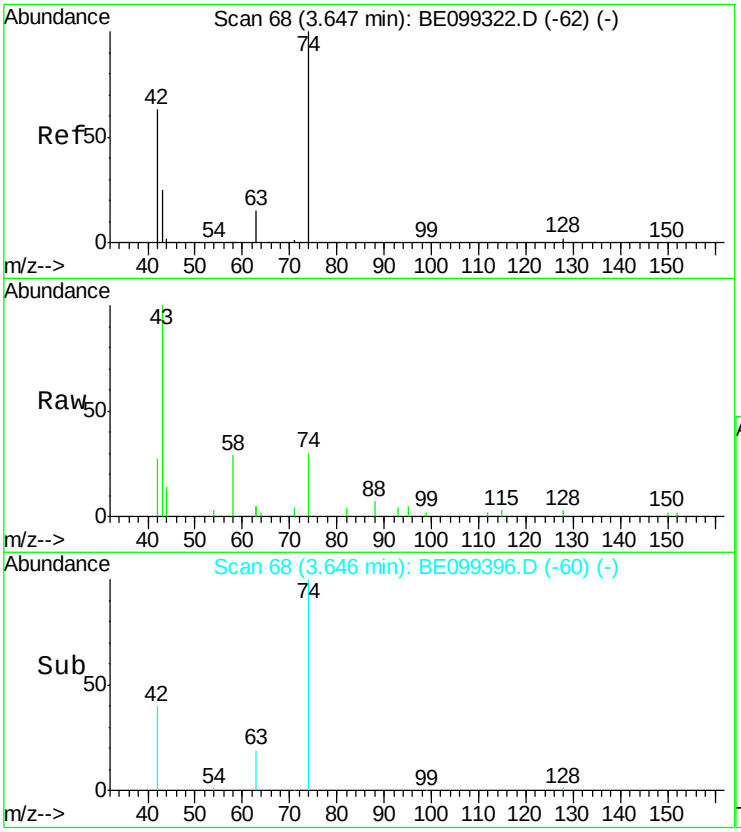


#2
1,4-Dioxane
Concen: 0.241 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion: 88 Resp: 1161

Ion	Ratio	Lower	Upper
88	100		
58	75.1	49.1	73.7#
43	97.2	17.9	26.9#



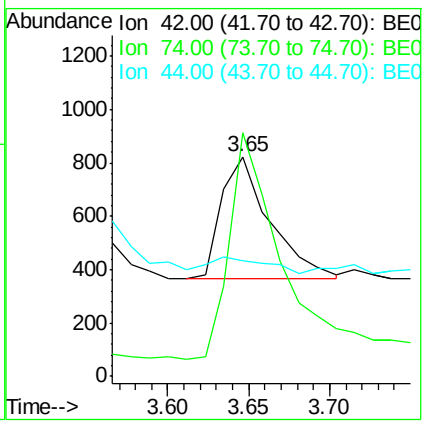


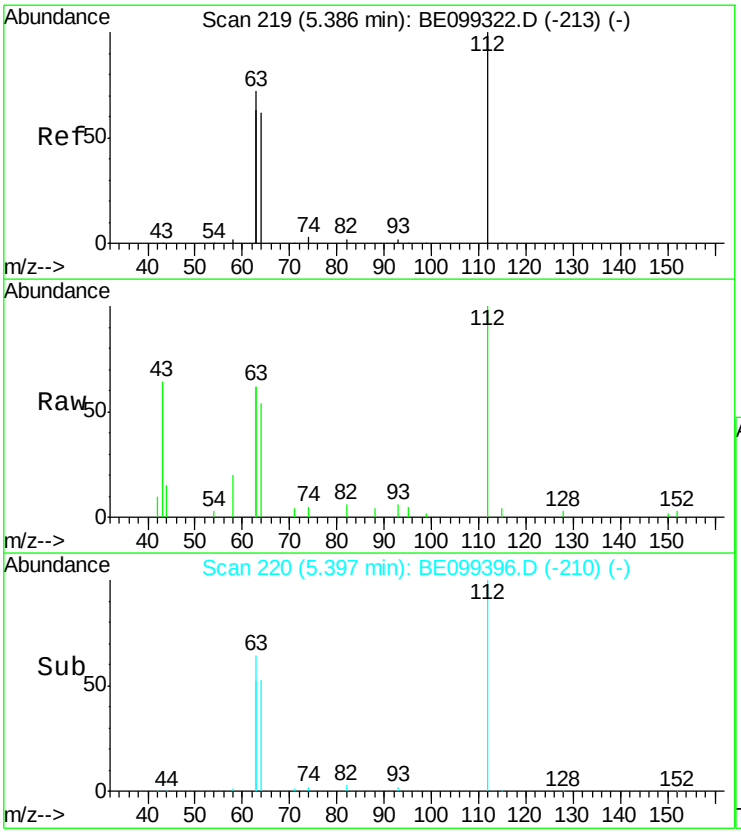
#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion: 42 Resp: 954

Ion	Ratio	Lower	Upper
42	100		
74	195.4	145.8	218.8
44	14.9	9.0	13.4#

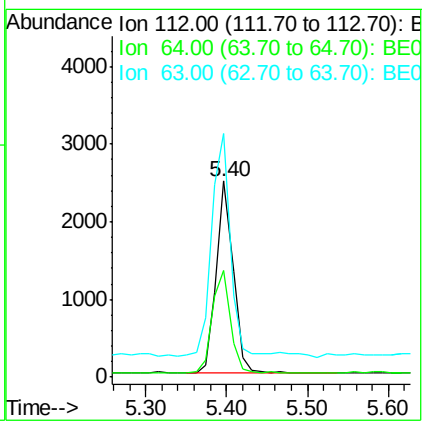


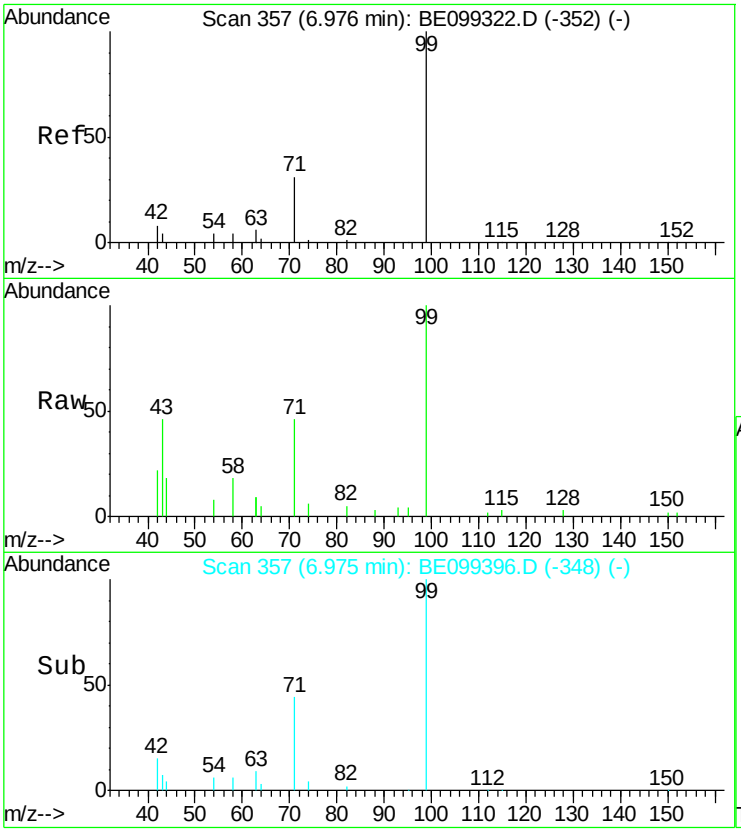


#4
2-Fluorophenol
Concen: 0.427 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:112 Resp: 3590

Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.9	67.3
63	127.2	97.4	146.0



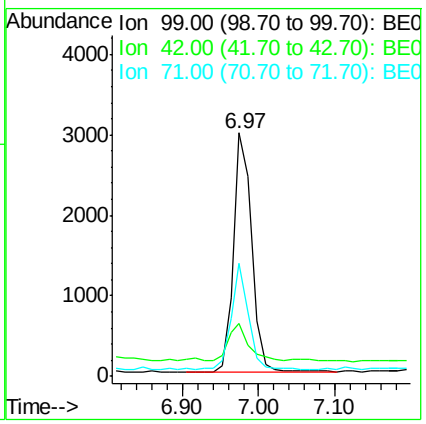


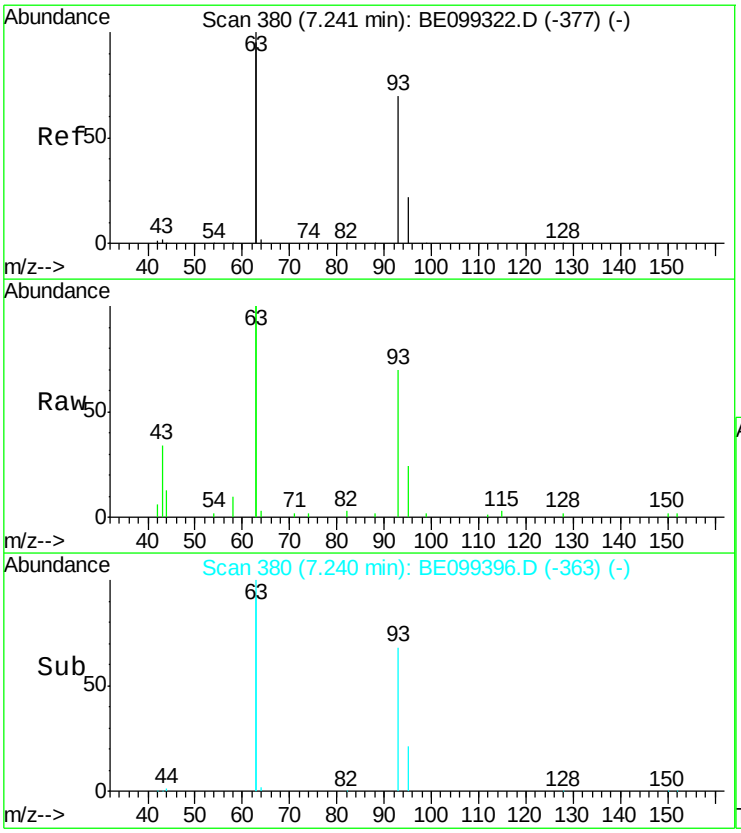
#5
Phenol-d6
Concen: 0.420 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion: 99 Resp: 5037

Ion	Ratio	Lower	Upper
99	100		
42	17.0	11.7	17.5
71	42.3	29.6	44.4

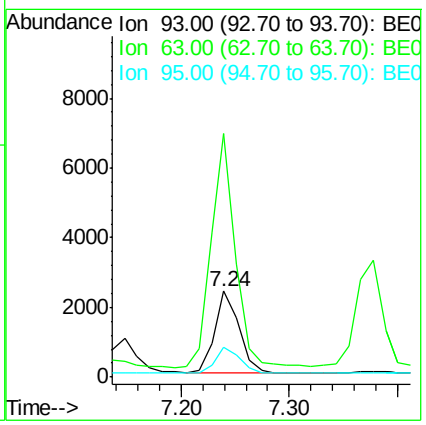


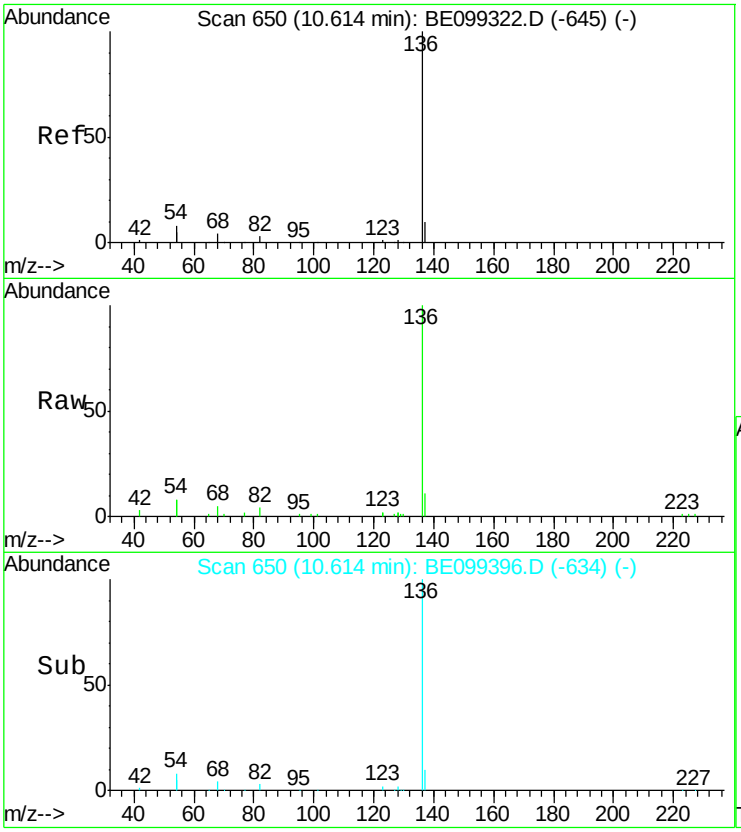


#6
bis(2-Chloroethyl)ether
Concen: 0.332 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion: 93 Resp: 3717

Ion	Ratio	Lower	Upper
93	100		
63	279.6	216.6	324.8
95	33.4	25.8	38.6



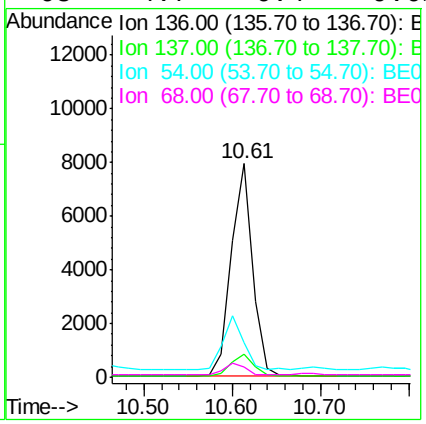


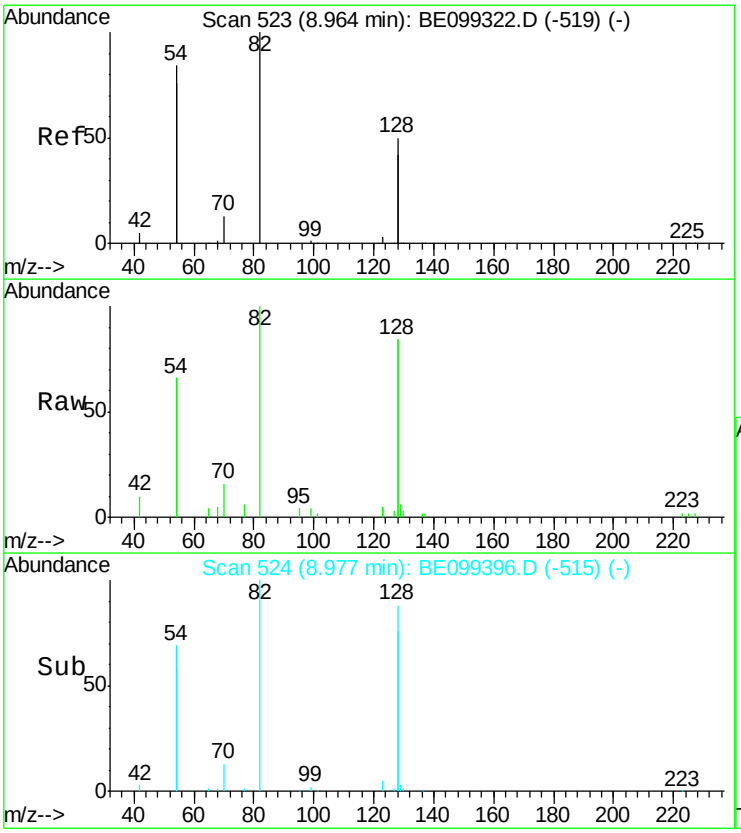
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:136 Resp: 13201

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	16.4	23.8	35.8#
68	4.7	6.4	9.6#

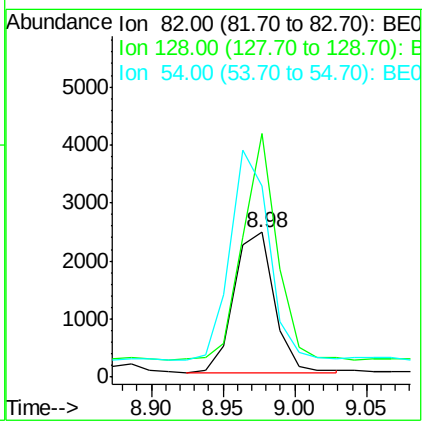


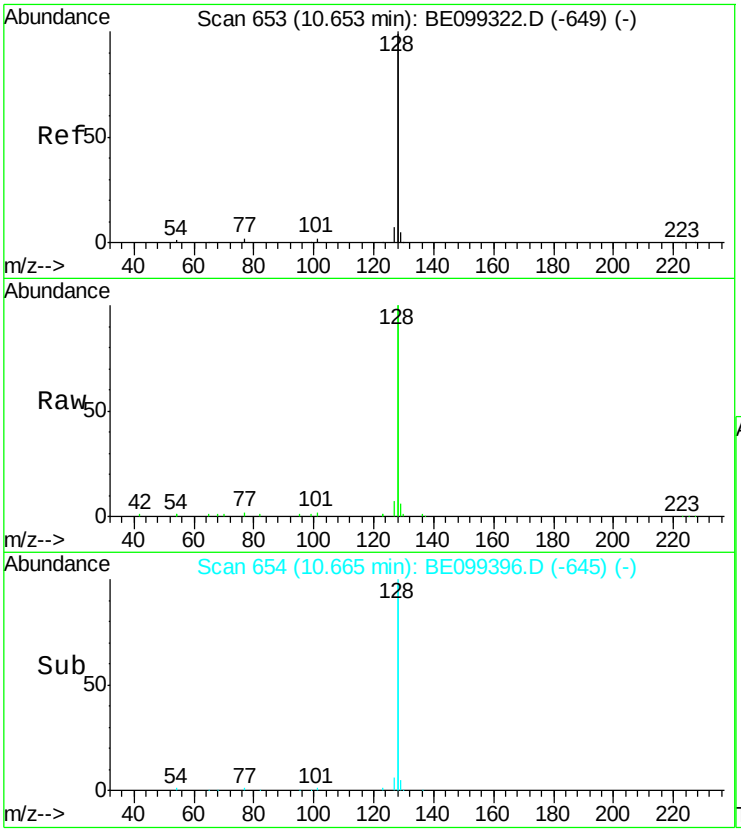


#8
Nitrobenzene-d5
Concen: 0.451 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion: 82 Resp: 4626

Ion	Ratio	Lower	Upper
82	100		
128	168.4	91.7	137.5#
54	132.0	122.8	184.2



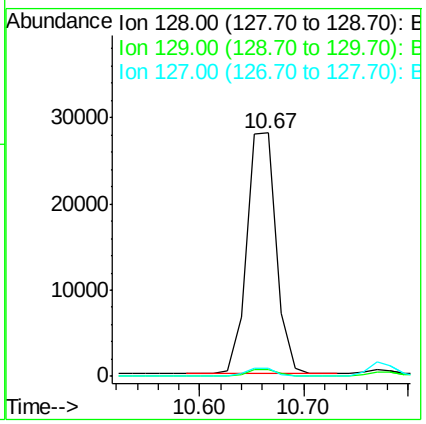


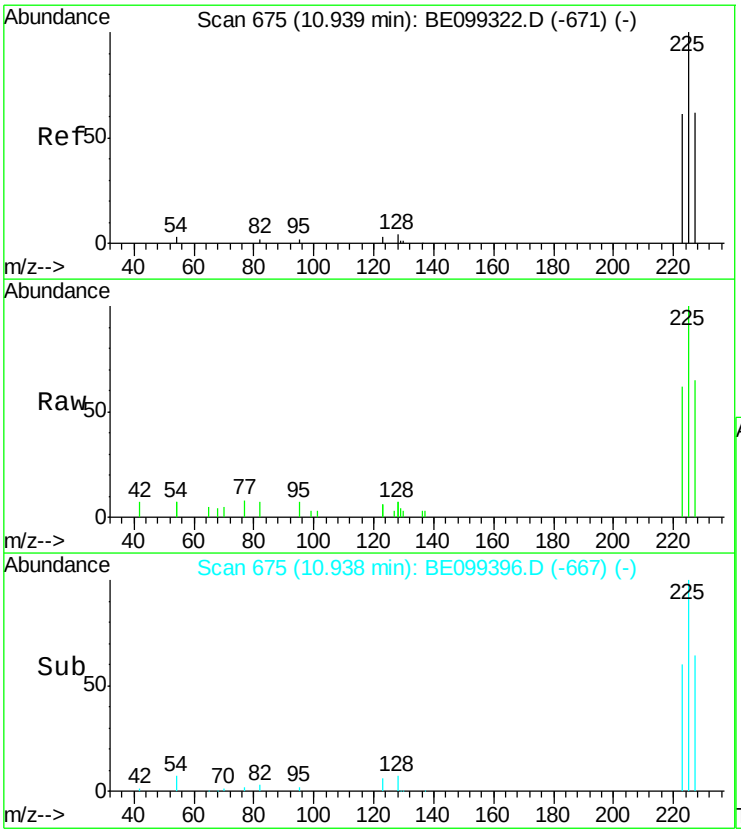
#9
Naphthalene
Concen: 0.381 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:128 Resp: 54861

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.3	3.5
127	3.3	2.8	4.2

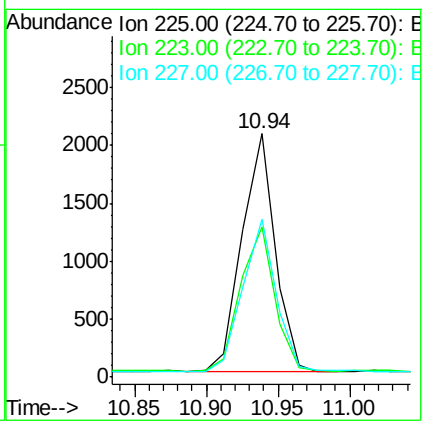


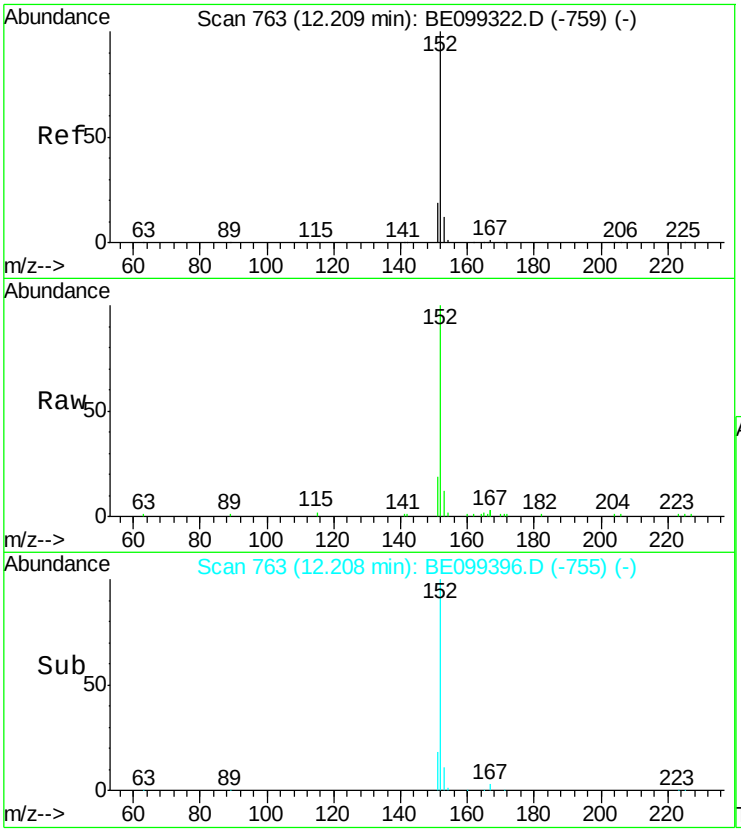


#10
Hexachlorobutadiene
Concen: 0.359 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:225 Resp: 3286

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.3	75.5
227	63.4	49.4	74.0



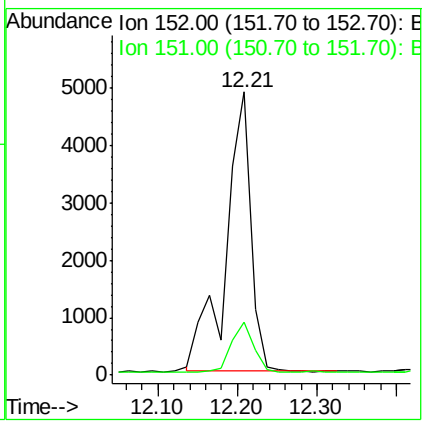


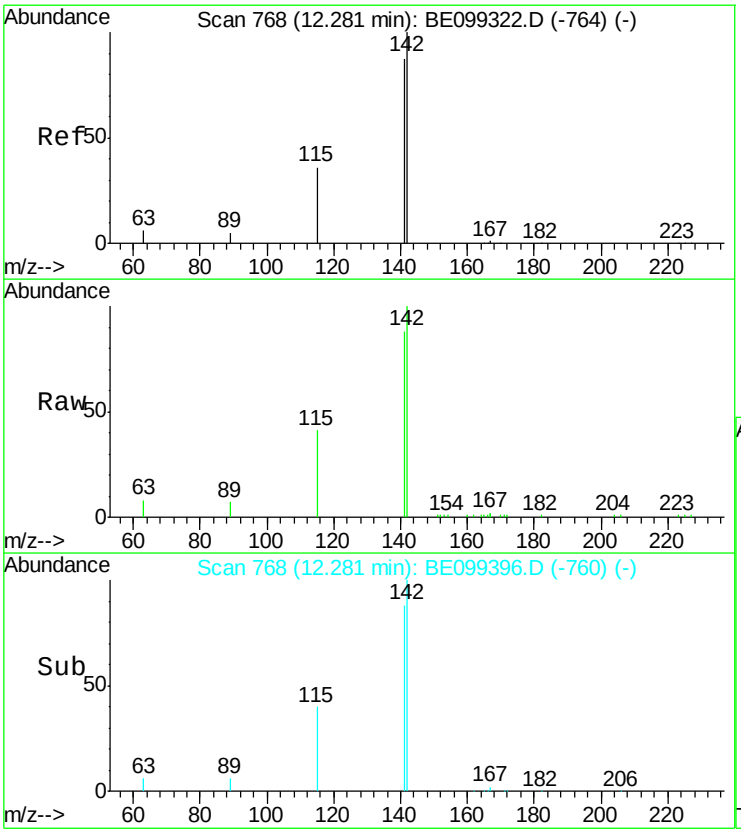
#11
2-Methylnaphthalene-d10
Concen: 0.458 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:152 Resp: 10670

Ion	Ratio	Lower	Upper
152	100		
151	15.4	14.9	22.3

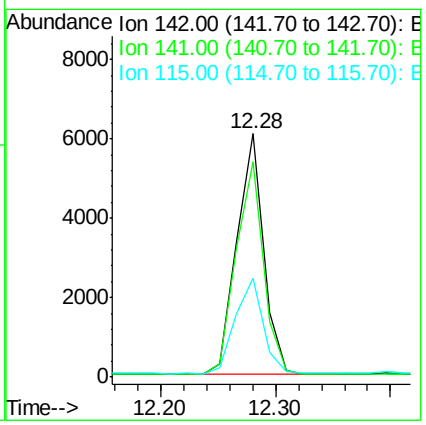


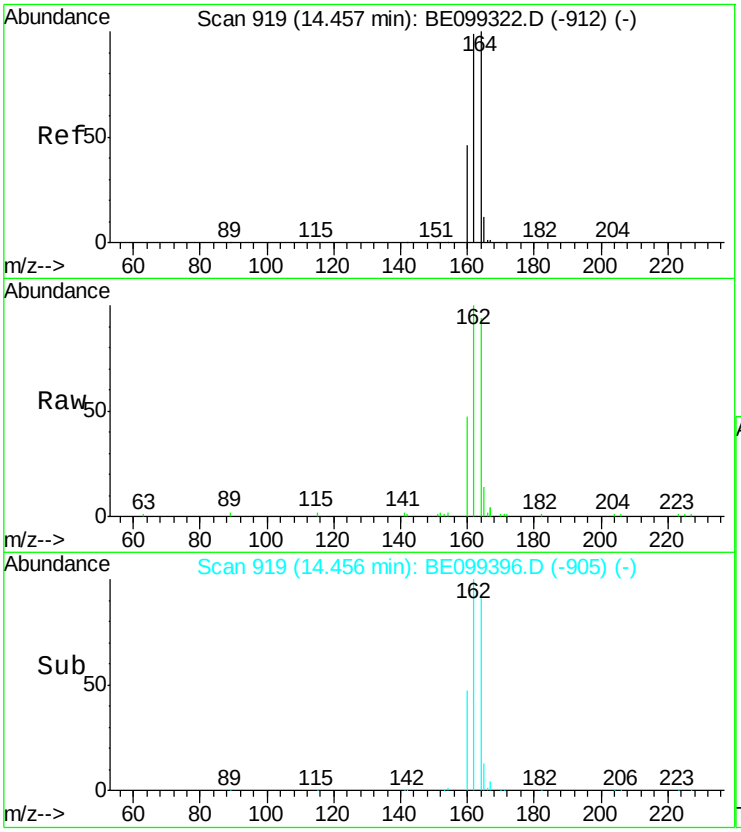


#12
2-Methylnaphthalene
Concen: 0.399 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:142 Resp: 9773

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.0	108.0
115	40.7	33.4	50.0



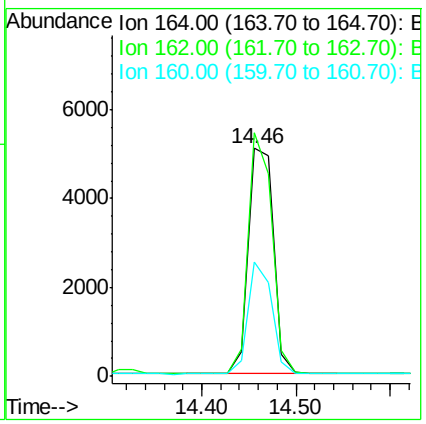


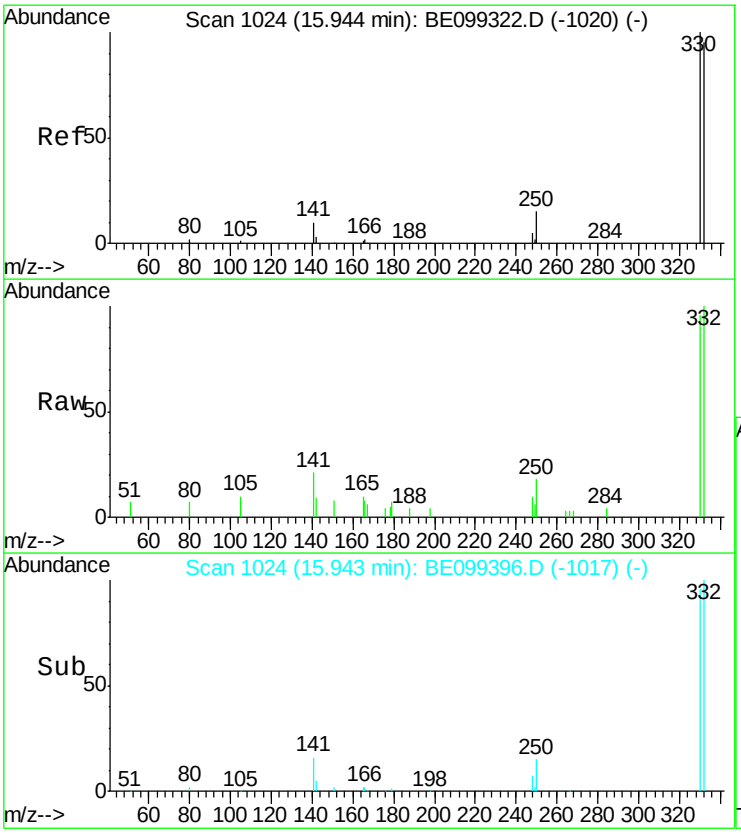
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:164 Resp: 9474

Ion	Ratio	Lower	Upper
164	100		
162	106.9	77.8	116.6
160	50.3	37.1	55.7

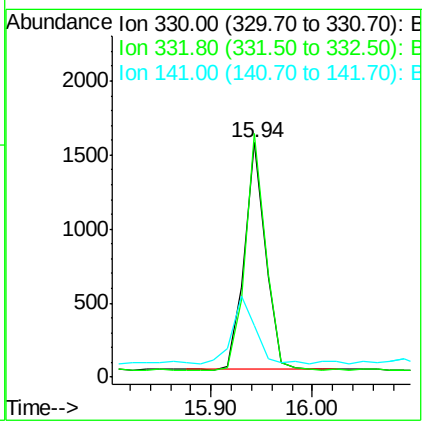


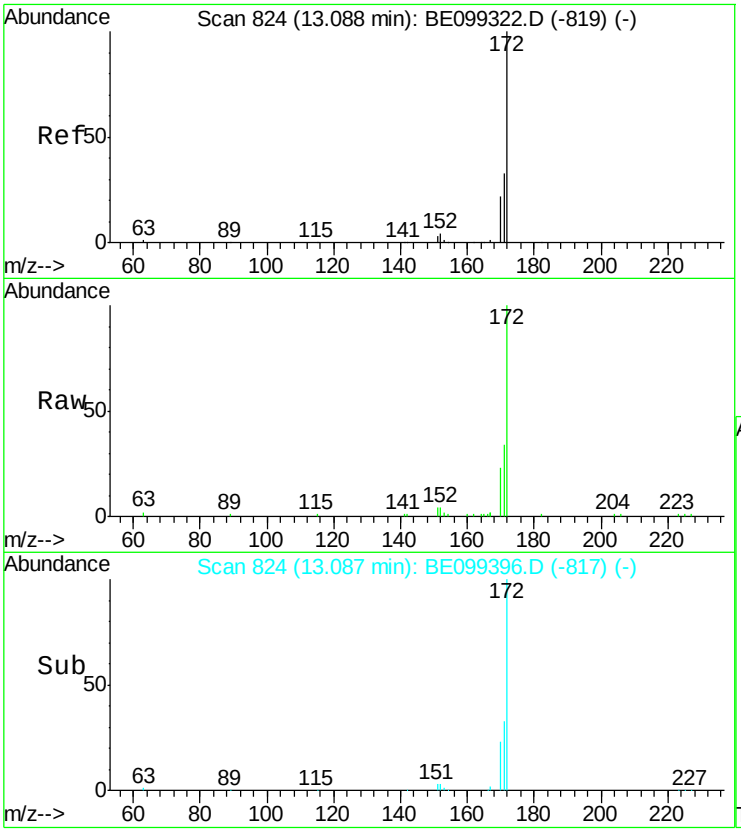


#14
2,4,6-Tribromophenol
Concen: 0.716 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:330 Resp: 2253

Ion	Ratio	Lower	Upper
330	100		
332	101.2	82.5	123.7
141	31.6	24.9	37.3



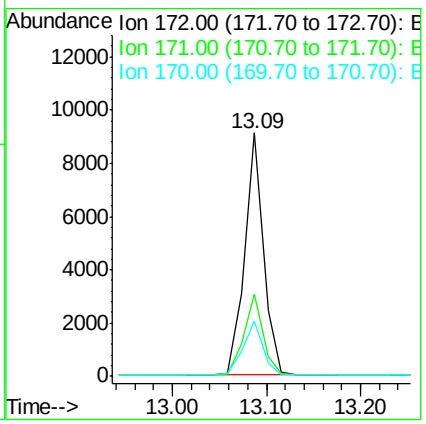


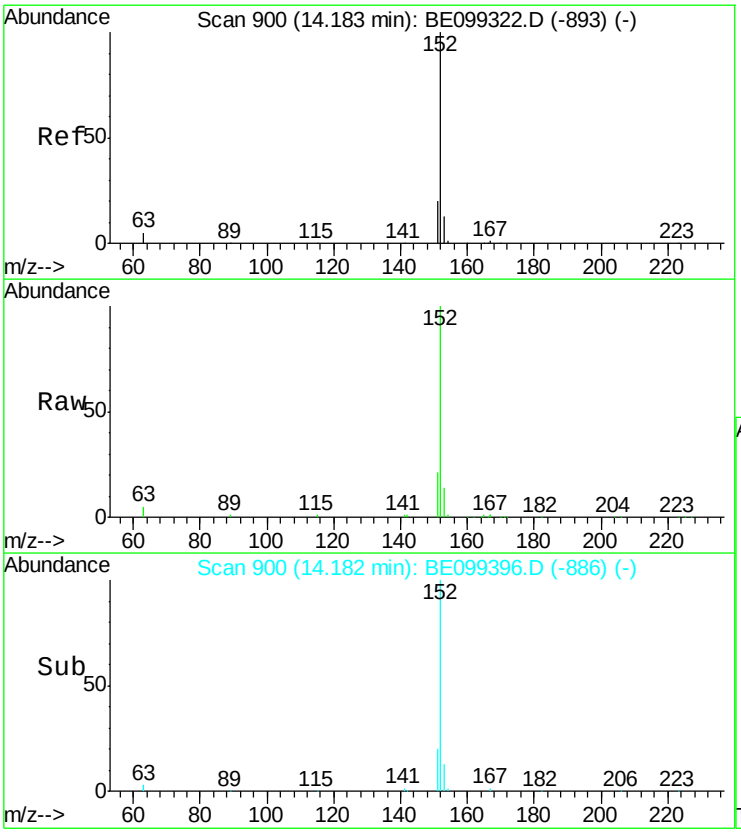
#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:172 Resp: 12774

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.2	39.2
170	23.0	18.1	27.1

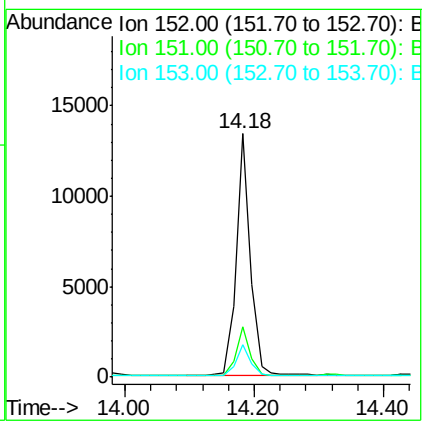


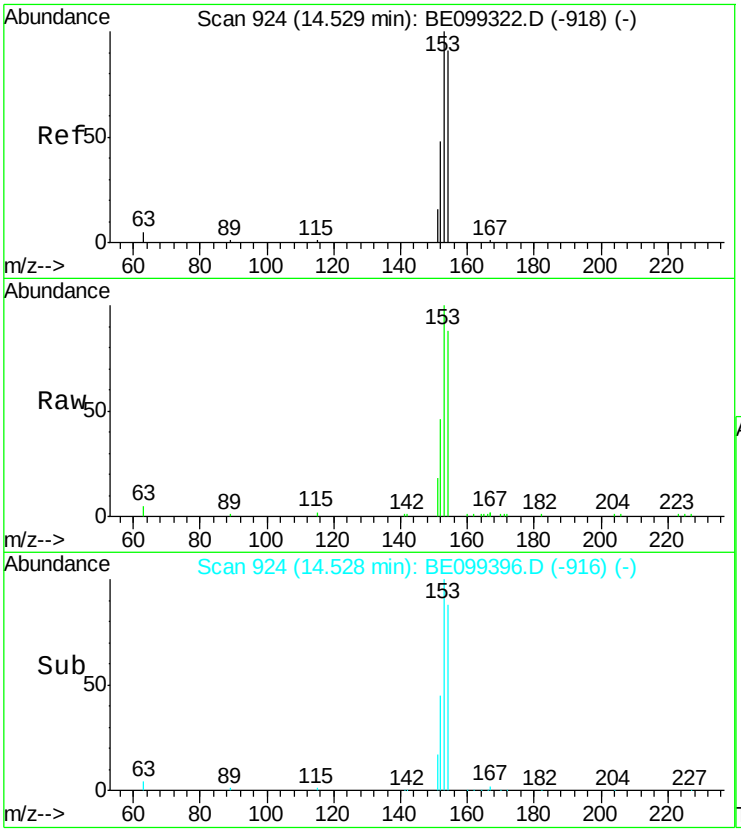


#16
Acenaphthylene
Concen: 0.476 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:152 Resp: 20377

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	13.2	10.2	15.4



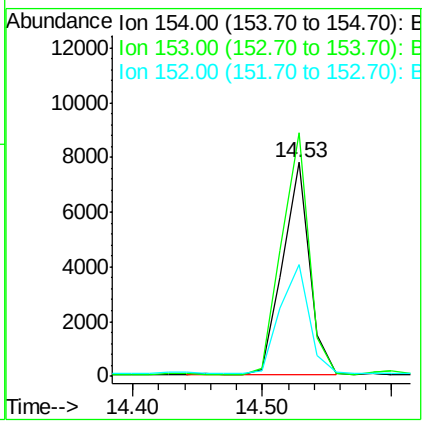


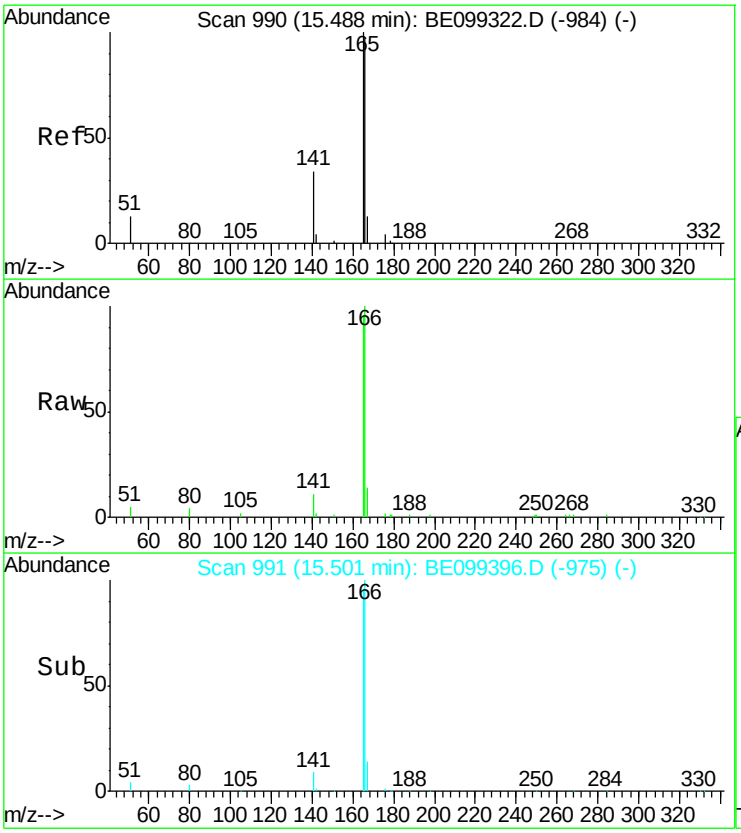
#17
Acenaphthene
Concen: 0.424 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:154 Resp: 11176

Ion	Ratio	Lower	Upper
154	100		
153	116.2	94.7	142.1
152	55.6	46.4	69.6

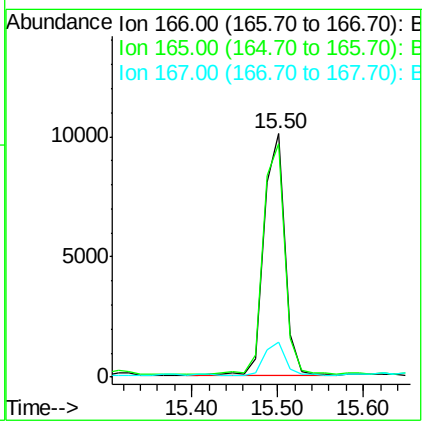


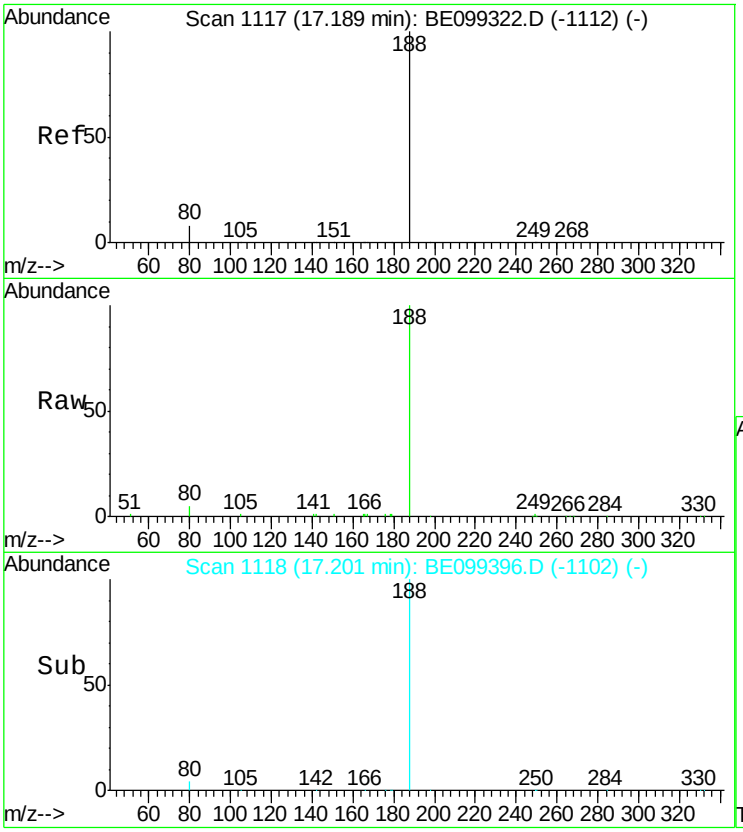


#18
Fluorene
Concen: 0.445 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:166 Resp: 16864

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.7	119.5
167	13.7	11.0	16.4



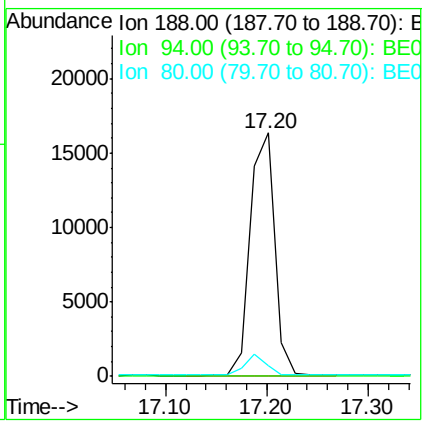


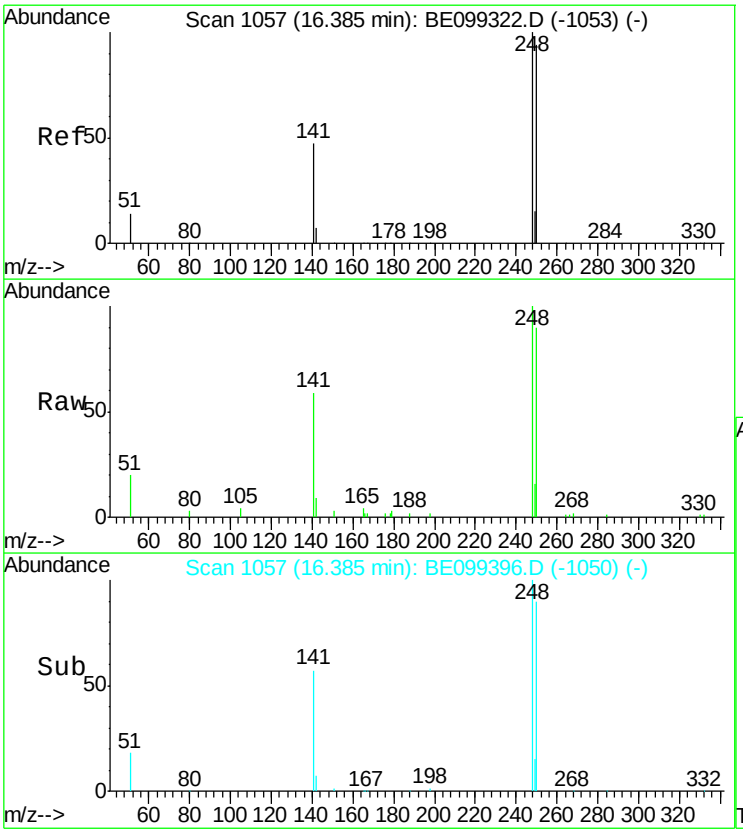
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:188 Resp: 27600

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.5	6.2	9.4#

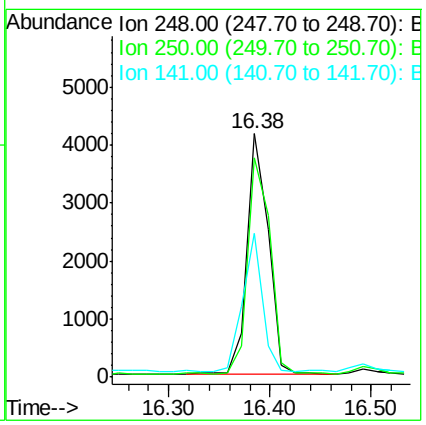


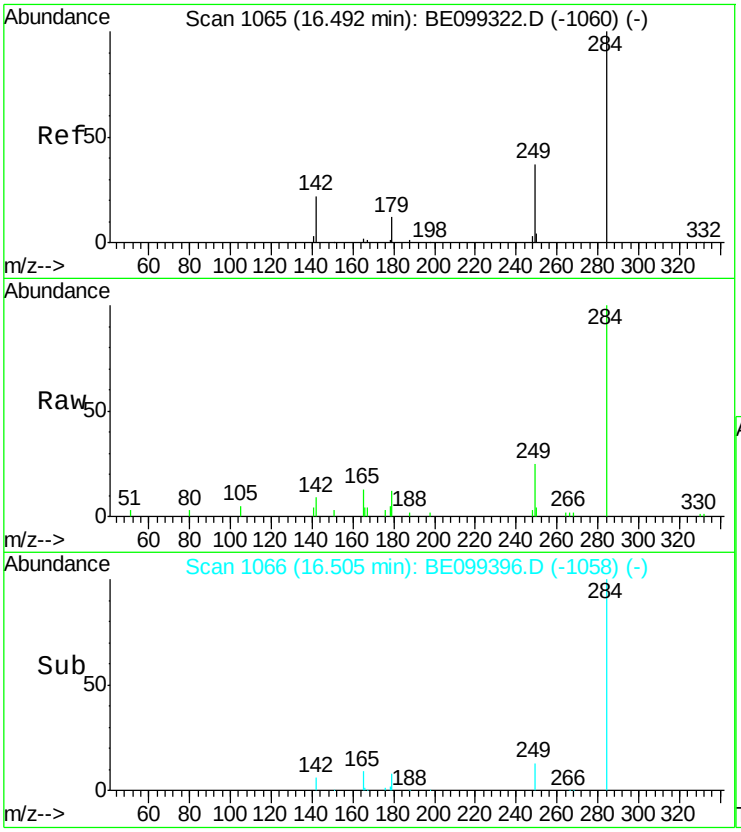


#20
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:248 Resp: 6068

Ion	Ratio	Lower	Upper
248	100		
250	90.1	77.0	115.6
141	59.1	31.1	46.7#



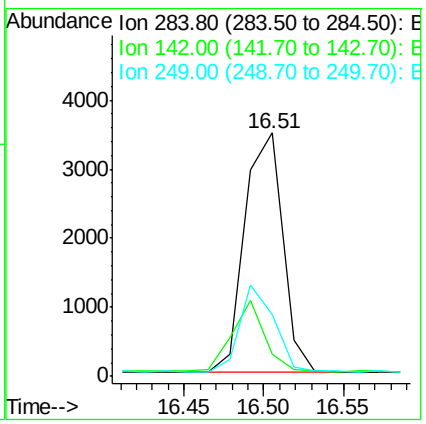


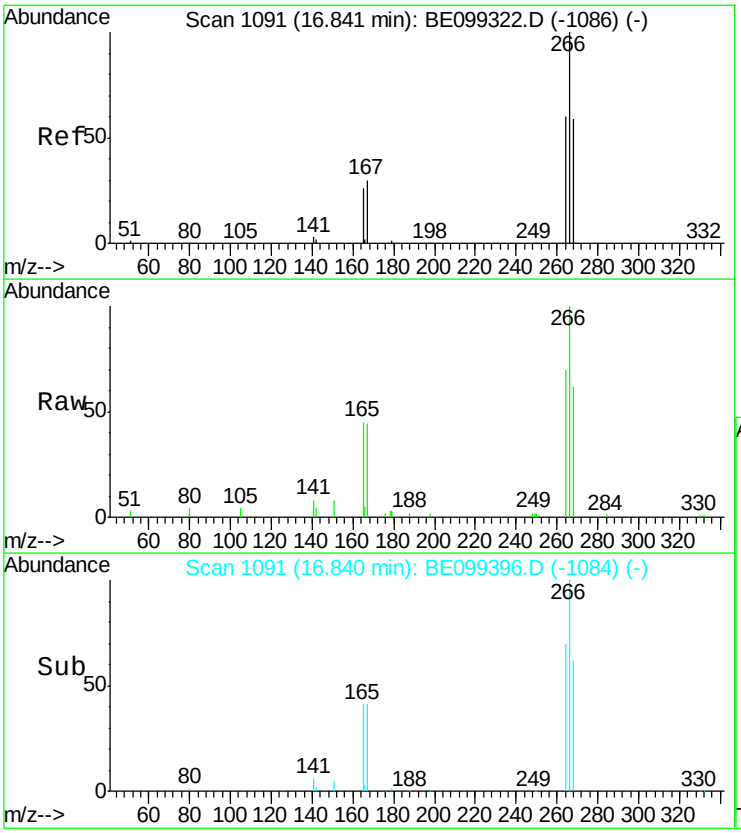
#21
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.51 min Scan# 1066
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:284 Resp: 5754

Ion	Ratio	Lower	Upper
284	100		
142	26.0	21.8	32.6
249	33.3	26.2	39.4

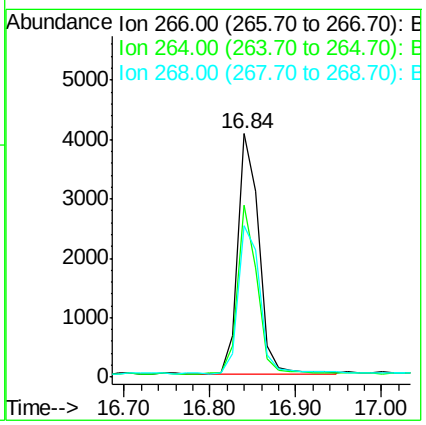


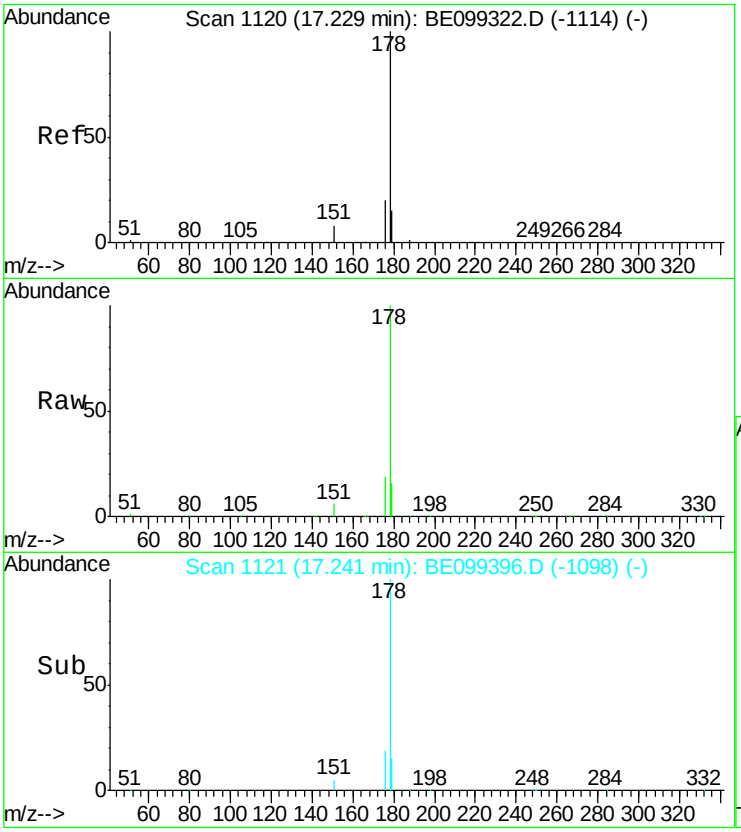


#22
Pentachlorophenol
Concen: 1.380 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:266 Resp: 6884

Ion	Ratio	Lower	Upper
266	100		
264	70.5	54.5	81.7
268	62.1	54.3	81.5



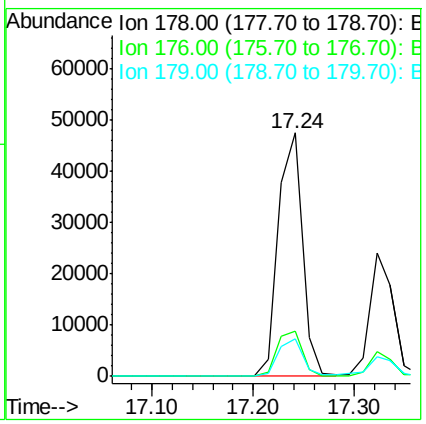


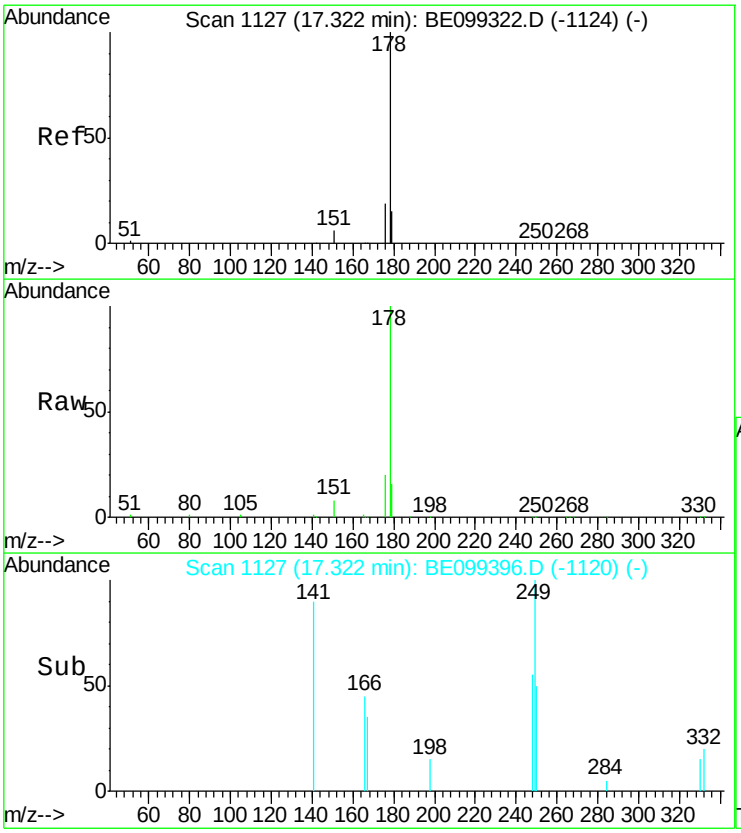
#23
Phenanthrene
Concen: 1.061 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:178 Resp: 77525

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.4	18.6

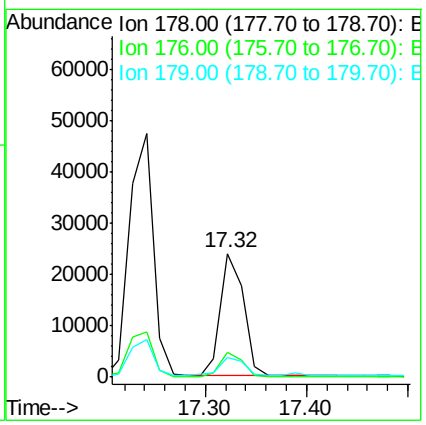


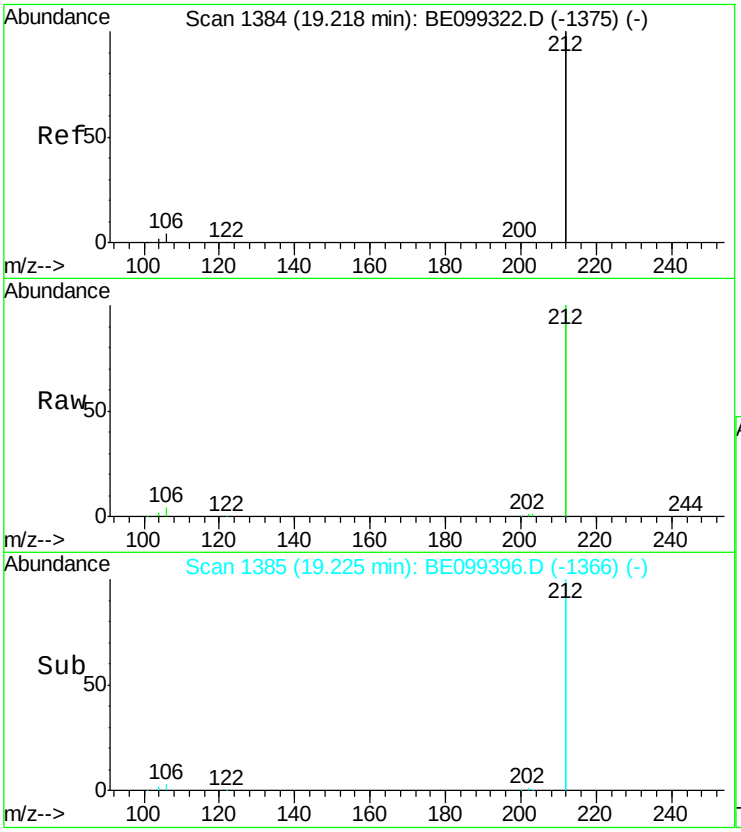


#24
Anthracene
Concen: 0.585 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:178 Resp: 38027

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	16.1	11.9	17.9



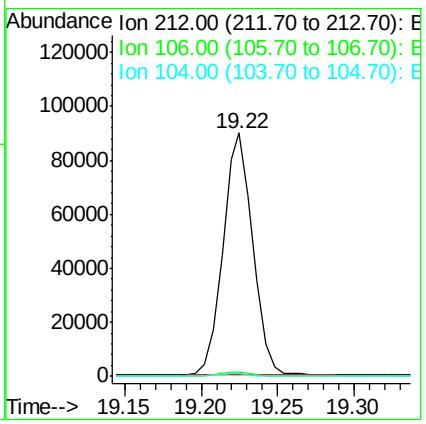


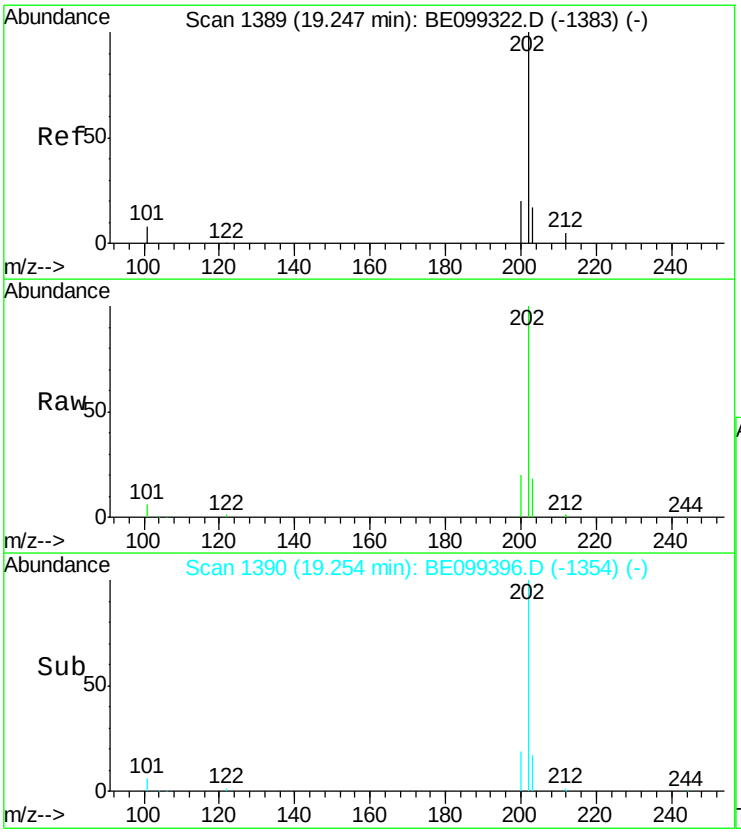
#25
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:212 Resp: 120359

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.8	2.6
104	1.1	1.0	1.4

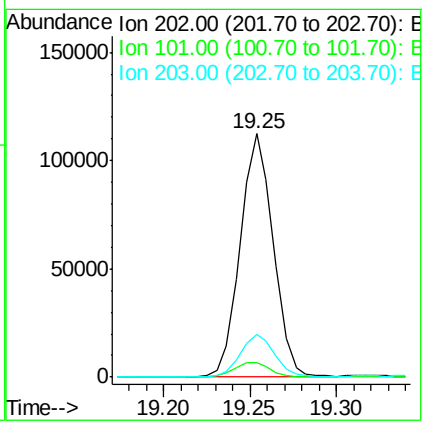


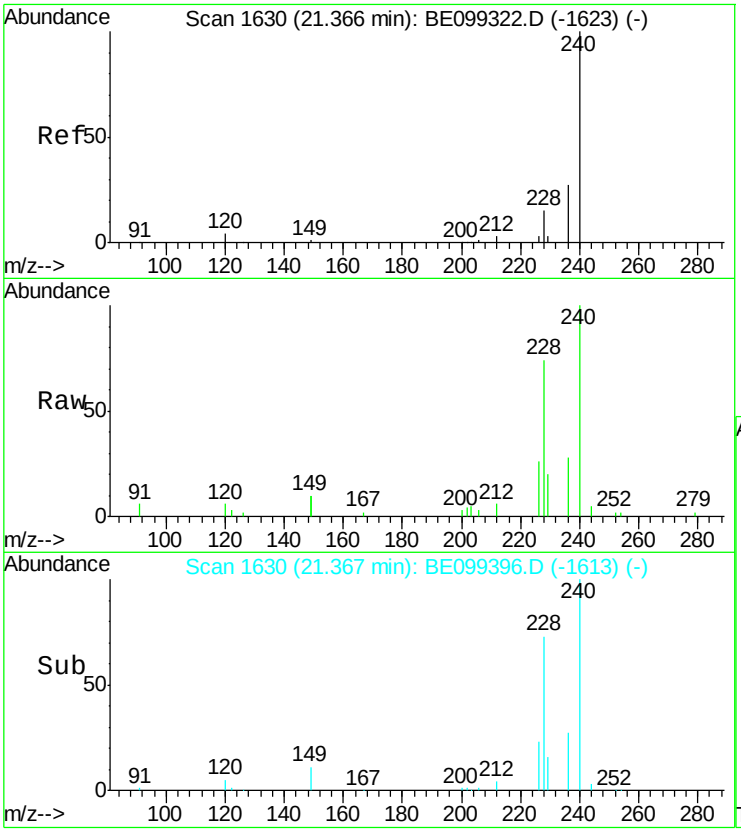


#26
Fluoranthene
Concen: 1.517 ng
RT: 19.25 min Scan# 1390
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:202 Resp: 148370

Ion	Ratio	Lower	Upper
202	100		
101	6.4	6.4	9.6
203	17.5	13.5	20.3



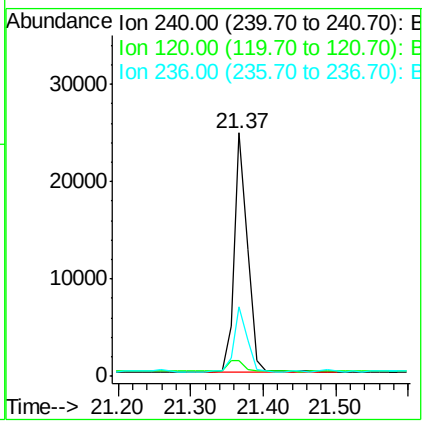


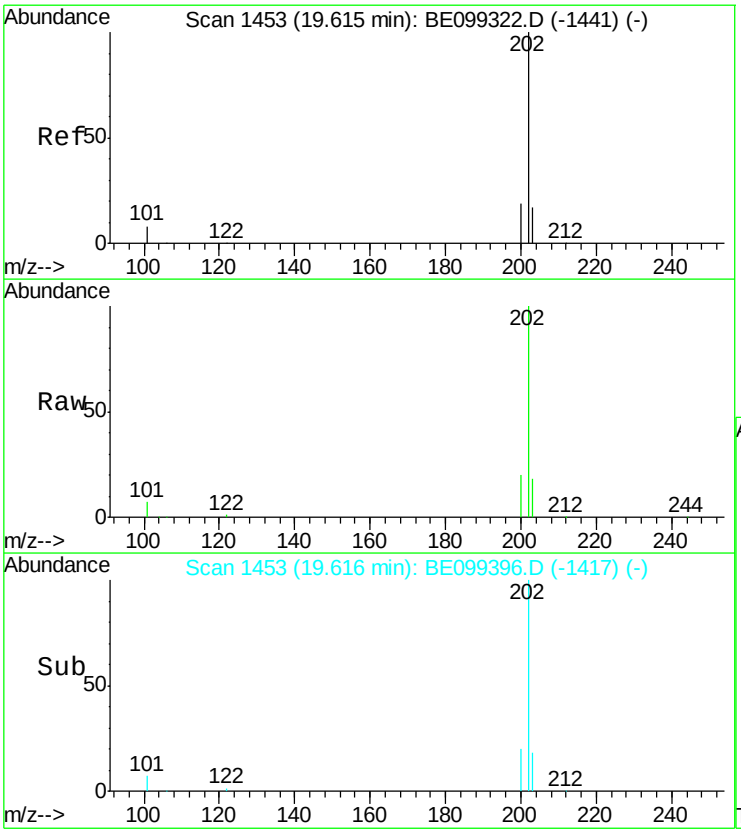
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:240 Resp: 31892

Ion	Ratio	Lower	Upper
240	100		
120	6.4	2.2	3.2#
236	28.4	20.2	30.4

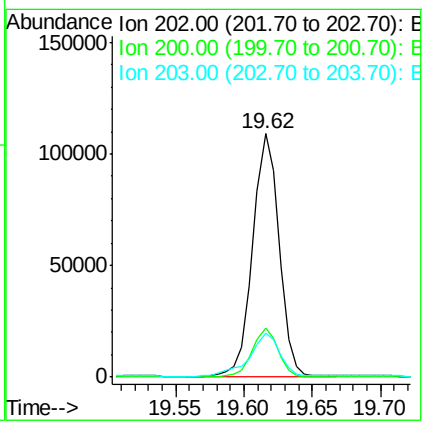


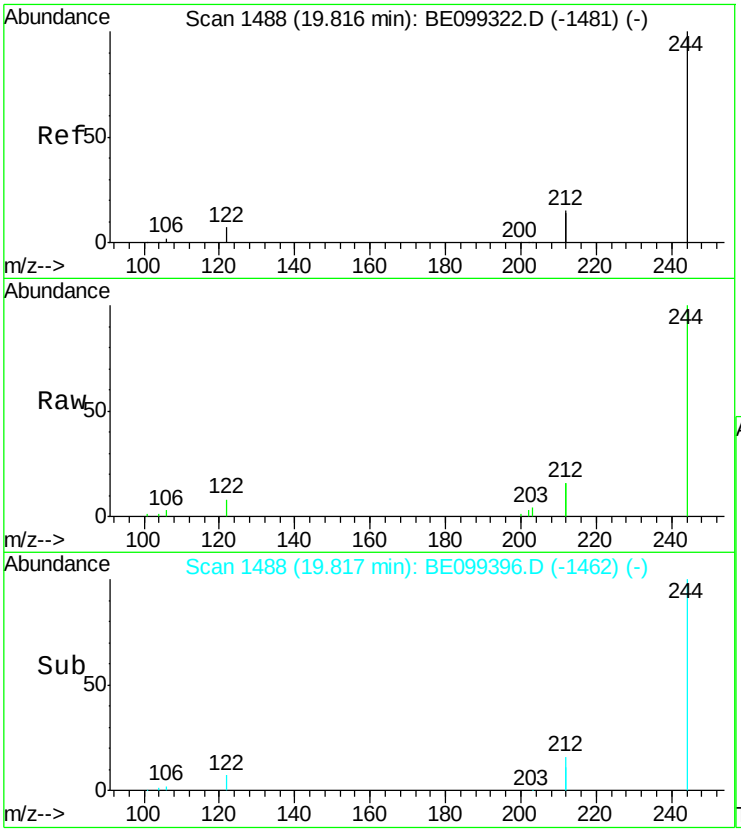


#28
Pyrene
Concen: 1.533 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:202 Resp: 144026

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	20.5	13.7	20.5#



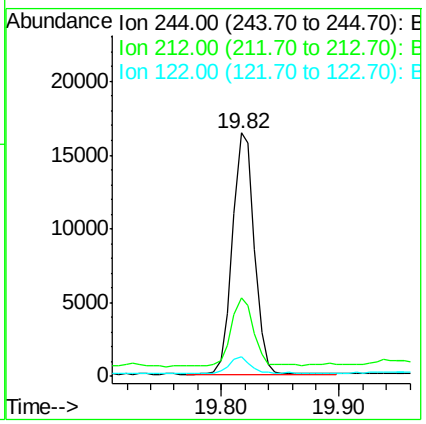


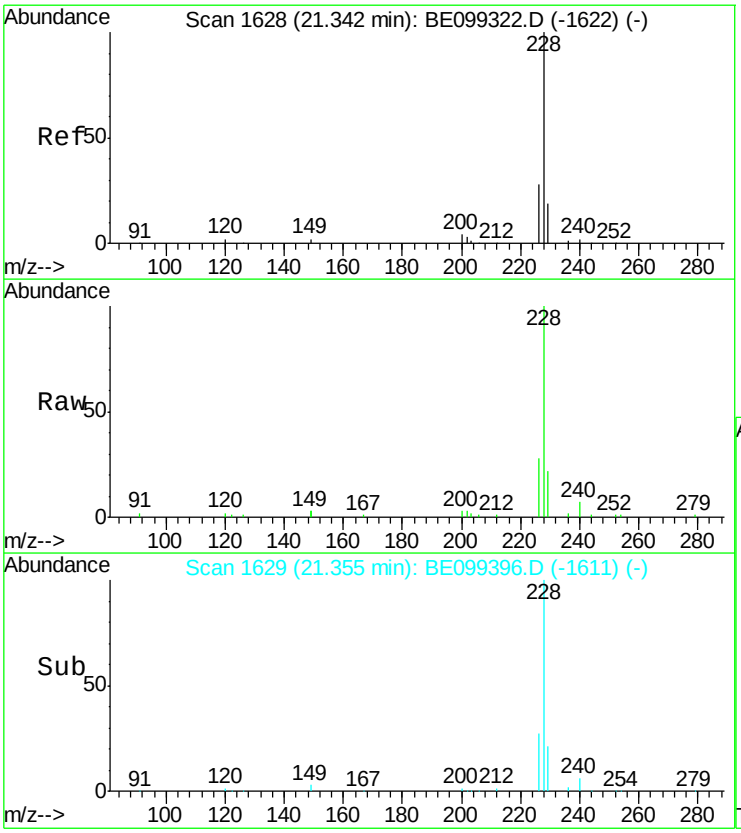
#29
Terphenyl-d14
Concen: 0.335 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:244 Resp: 21013

Ion	Ratio	Lower	Upper
244	100		
212	32.5	22.6	33.8
122	7.9	4.6	7.0#

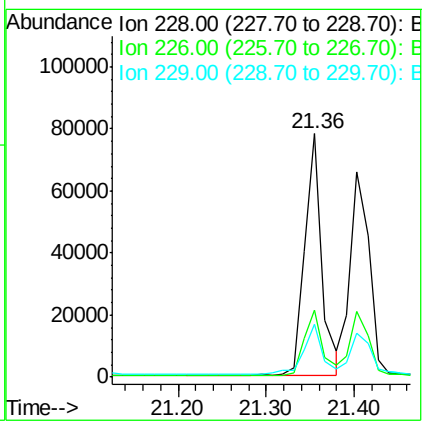


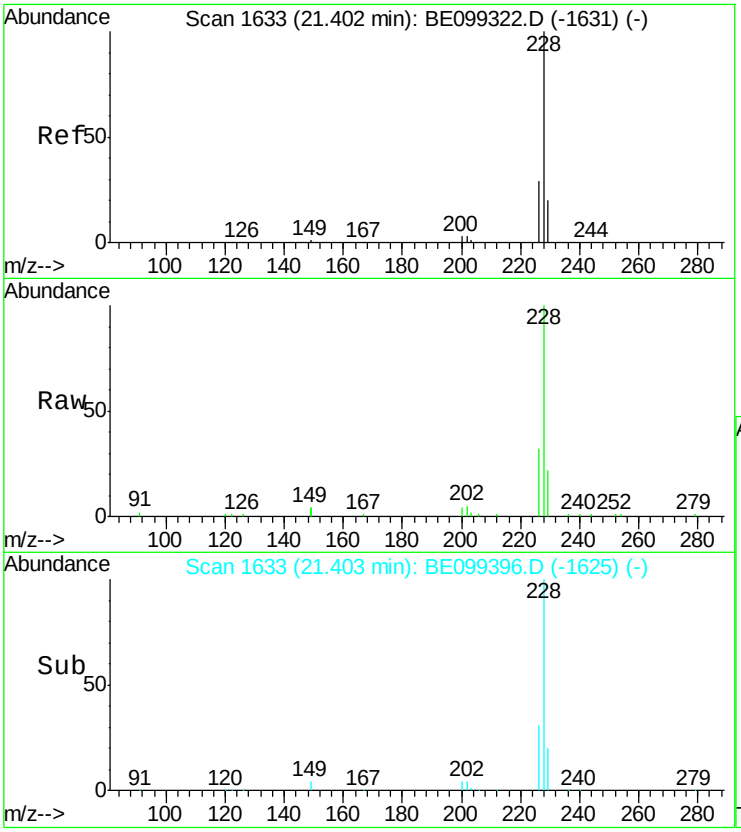


#30
Benzo(a)anthracene
Concen: 1.147 ng
RT: 21.36 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:228 Resp: 107549

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	21.7	15.8	23.8



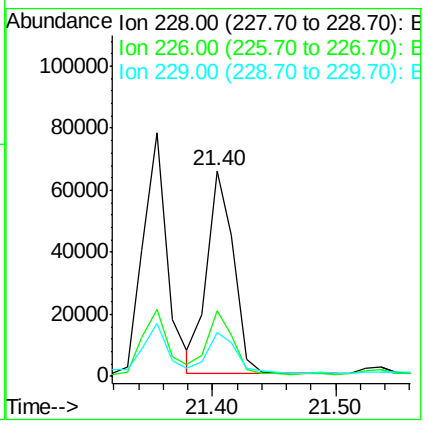


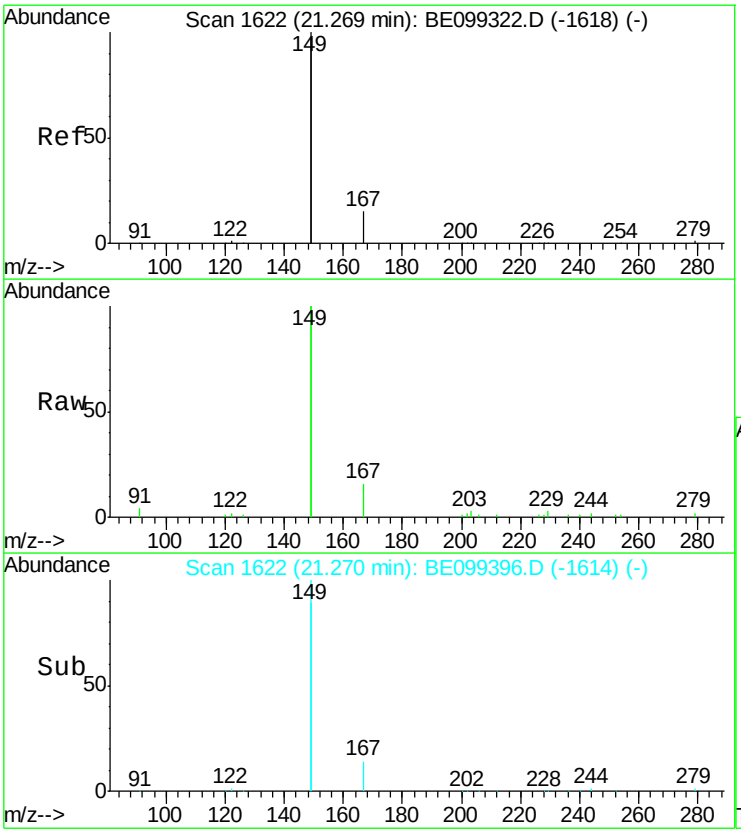
#31
Chrysene
Concen: 0.985 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:228 Resp: 98296

Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	21.5	16.2	24.2

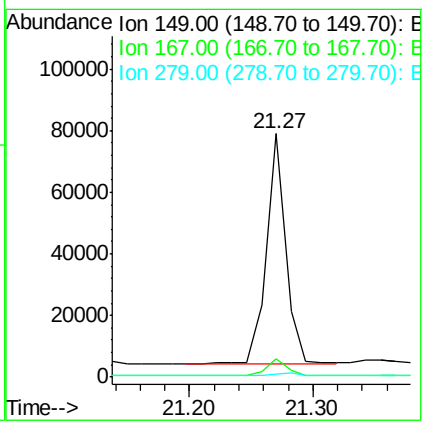


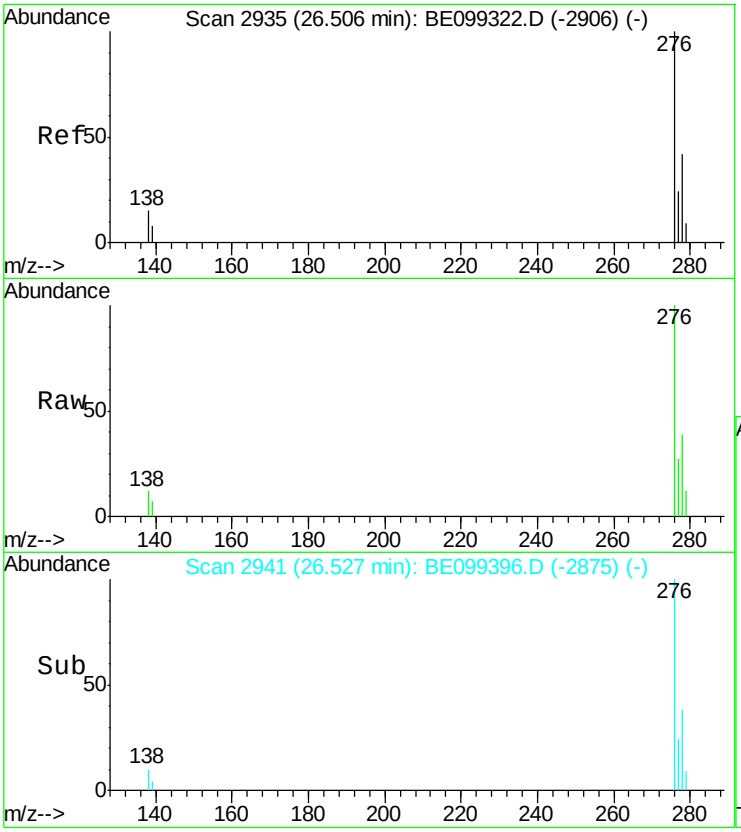


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.959 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:149 Resp: 81834

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.6	1.1	1.7



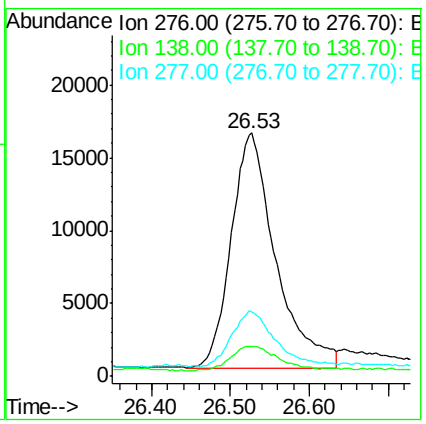


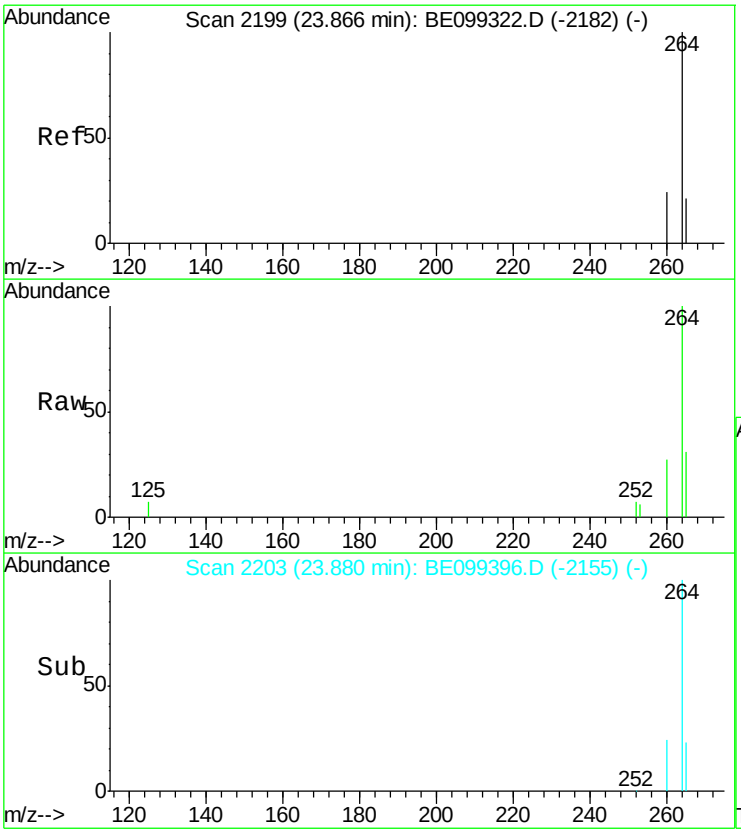
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.638 ng
RT: 26.53 min Scan# 2941
Delta R.T. 0.03 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:276 Resp: 62895

Ion	Ratio	Lower	Upper
276	100		
138	11.4	12.7	19.1#
277	22.6	19.6	29.4

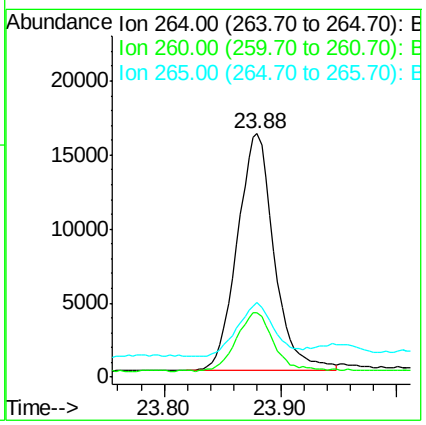


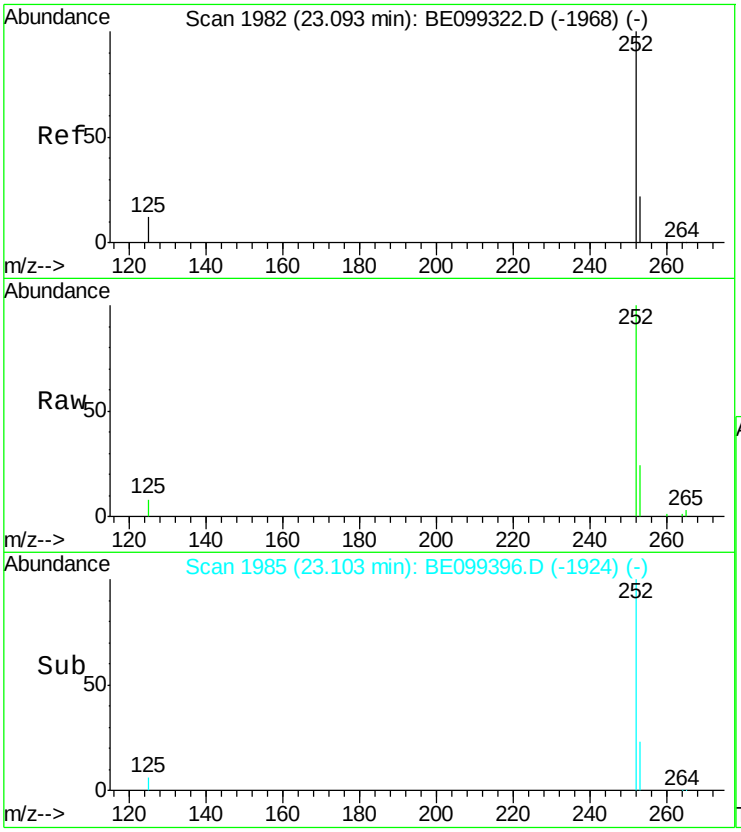


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:264 Resp: 35476

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.1	30.1
265	30.6	19.9	29.9#



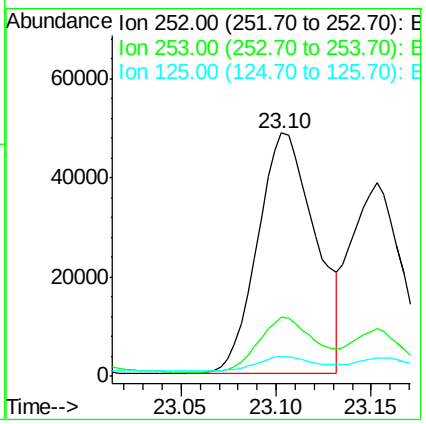


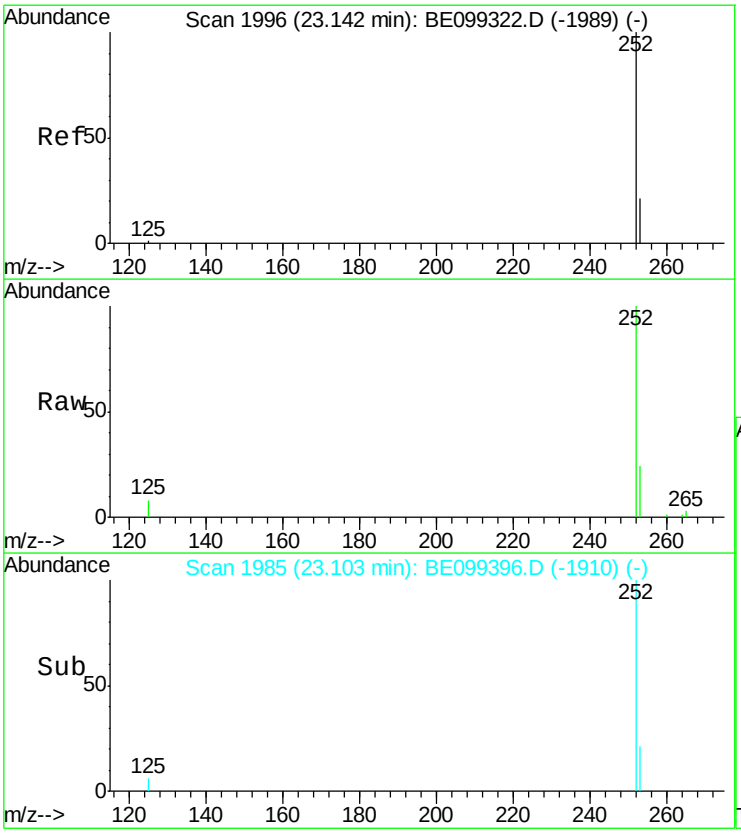
#35
Benzo(b)fluoranthene
Concen: 0.945 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.02 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:252 Resp: 102585

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	7.8	5.8	8.6

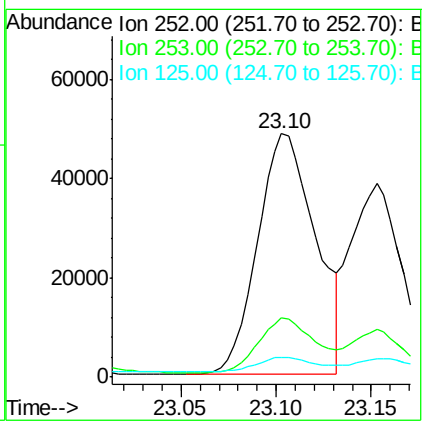


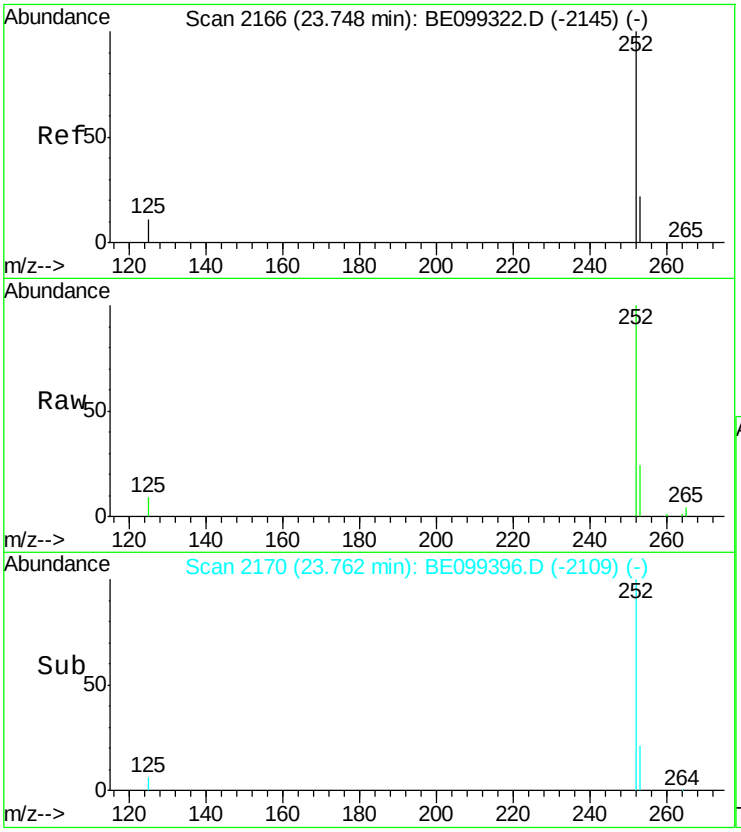


#36
Benzo(k)fluoranthene
Concen: 0.947 ng
RT: 23.10 min Scan# 1985
Delta R.T. -0.03 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:252 Resp: 102585

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	7.8	5.4	8.0



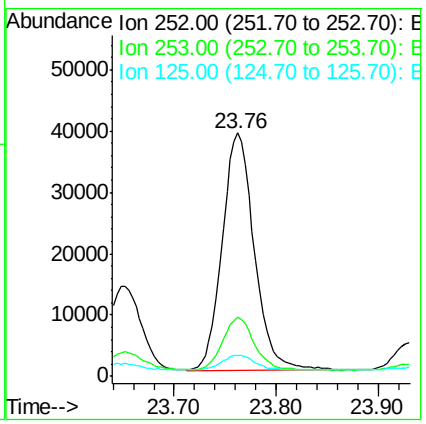


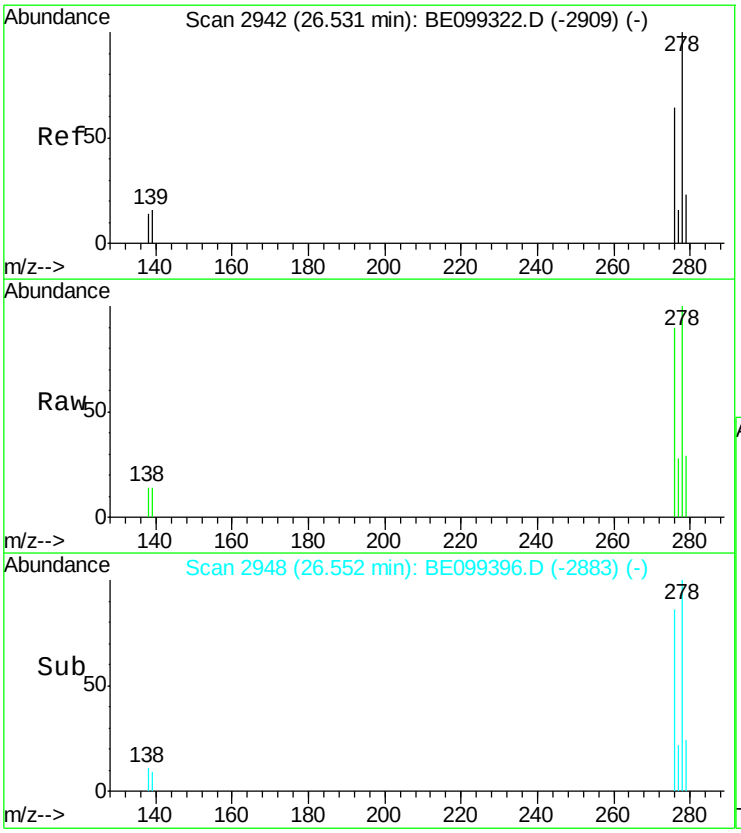
#37
Benzo(a)pyrene
Concen: 0.873 ng
RT: 23.76 min Scan# 2170
Delta R.T. 0.02 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:252 Resp: 84972

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	8.7	6.5	9.7

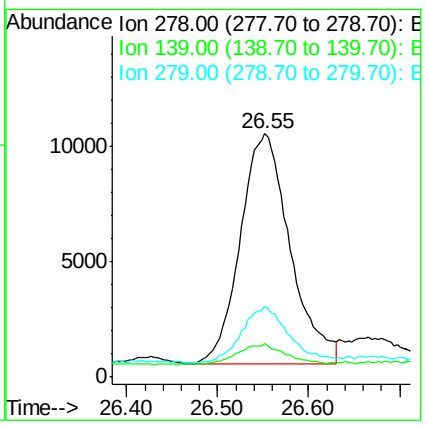


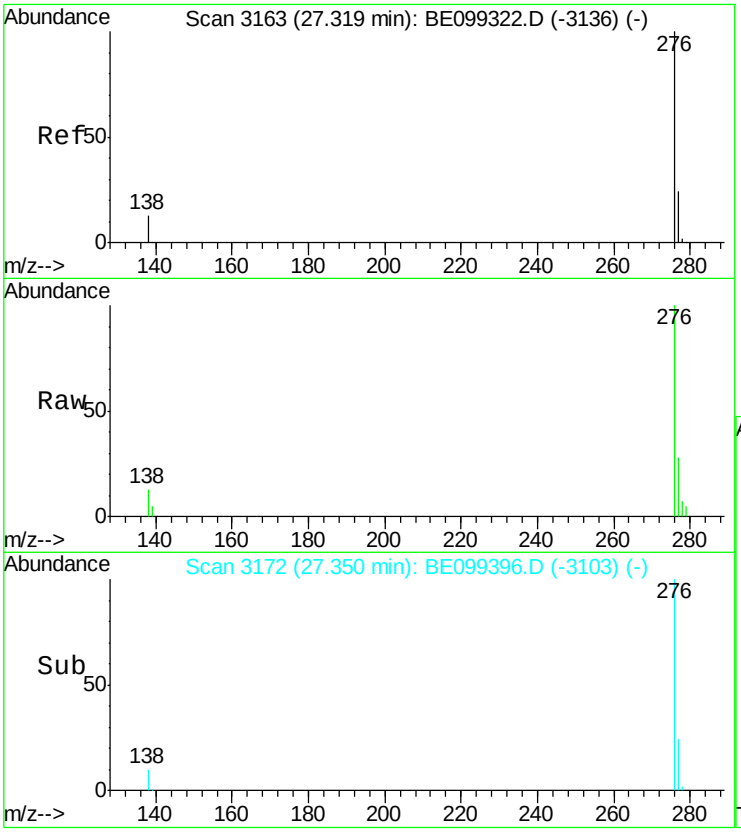


#38
Dibenzo(a,h)anthracene
Concen: 0.380 ng
RT: 26.55 min Scan# 2948
Delta R.T. 0.03 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Tgt Ion:278 Resp: 37796

Ion	Ratio	Lower	Upper
278	100		
139	13.7	8.5	12.7#
279	28.9	19.8	29.8





#39
Benzo(g,h,i)perylene
Concen: 0.476 ng
RT: 27.35 min Scan# 3172
Delta R.T. 0.05 min
Lab File: BE099396.D
Acq: 27 Apr 2019 2:32

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tgt Ion:276 Resp: 48048

Ion	Ratio	Lower	Upper
276	100		
277	27.6	20.0	30.0
138	12.6	11.1	16.7