Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070519\
Data File : BE100403.D
Acq On : 6 Jul 2019 4:55
Operator : JU/SJ
Sample : K3561-05MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : EXT-016-SW099-062519MS

Quant Time: Jul 06 05:41:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	610	0.40 ng	-0.02
7) Naphthalene-d8	10.42	136	2001	0.40 ng	-0.03
13) Acenaphthene-d10	14.30	164	1502	0.40 ng	-0.01
19) Phenanthrene-d10	17.04	188	4676	0.40 ng	-0.01
27) Chrysene-d12	21.23	240	6027	0.40 ng	-0.01
34) Perylene-d12	23.65	264	7521	0.40 ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
4) 2-Fluorophenol	5.20	112	522	0.34 ng	-0.01
5) Phenol-d6	6.81	99	657	0.32 ng	-0.02
8) Nitrobenzene-d5	8.80	82	530	0.27 ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1533	0.41 ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	380	0.36 ng	-0.03
15) 2-Fluorobiphenyl	12.91	172	1951	0.33 ng	-0.03
25) Fluoranthene-d10	19.08	212	18602	0.27 ng	-0.02
29) Terphenyl-d14	19.68	244	4231	0.34 ng	-0.02

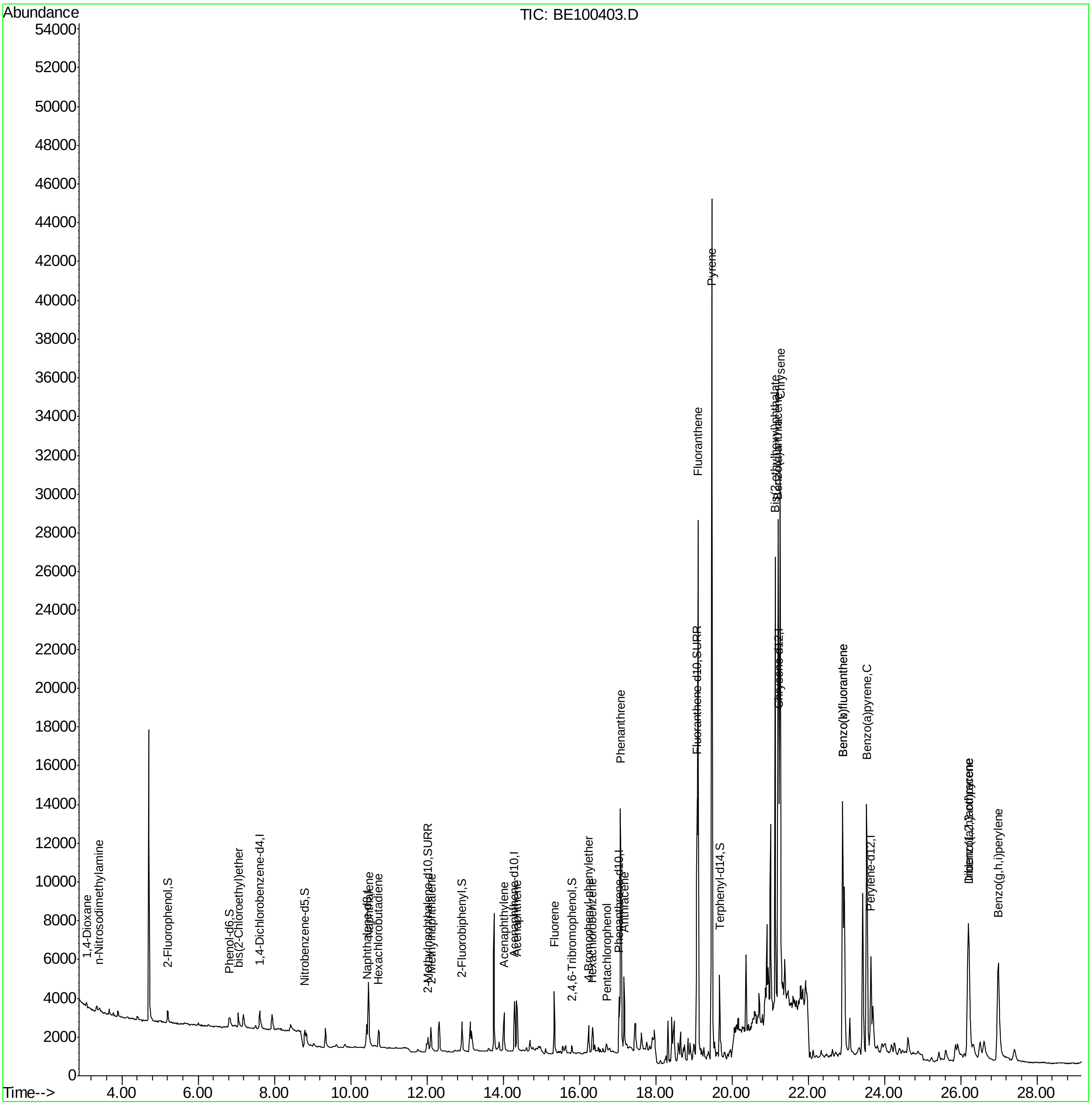
Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) 1,4-Dioxane	3.07	88	209	0.221 ng	#	56
3) n-Nitrosodimethylamine	3.41	42	200	0.453 ng	#	73
6) bis(2-Chloroethyl)ether	7.06	93	447	0.266 ng	#	53
9) Naphthalene	10.47	128	7417	0.336 ng		99
10) Hexachlorobutadiene	10.73	225	699	0.329 ng		97
12) 2-Methylnaphthalene	12.11	142	1193	0.308 ng		98
16) Acenaphthylene	14.02	152	2598	0.360 ng		99
17) Acenaphthene	14.36	154	1454	0.356 ng		93
18) Fluorene	15.34	166	2172	0.360 ng		98
20) 4-Bromophenyl-phenylether	16.24	248	904	0.303 ng		91
21) Hexachlorobenzene	16.35	284	924	0.298 ng		95
22) Pentachlorophenol	16.72	266	364	0.390 ng		99
23) Phenanthrene	17.08	178	15587	1.375 ng		99
24) Anthracene	17.18	178	4562	0.447 ng	#	95
26) Fluoranthene	19.11	202	27119	1.502 ng		99
28) Pyrene	19.48	202	44637	2.797 ng	#	94
30) Benzo(a)anthracene	21.21	228	25822	1.303 ng		98
31) Chrysene	21.27	228	29943	1.505 ng		98
32) Bis(2-ethylhexyl)phthalate	21.14	149	21310	0.703 ng		100
33) Indeno(1,2,3-cd)pyrene	26.20	276	14802	0.562 ng		97
35) Benzo(b)fluoranthene	22.91	252	23388	1.147 ng		98
36) Benzo(k)fluoranthene	22.91	252	23388	1.028 ng	#	96
37) Benzo(a)pyrene	23.54	252	21562	1.055 ng	#	97
38) Dibenzo(a,h)anthracene	26.22	278	7489	0.351 ng		92
39) Benzo(g,h,i)perylene	26.99	276	16108	0.735 ng		100

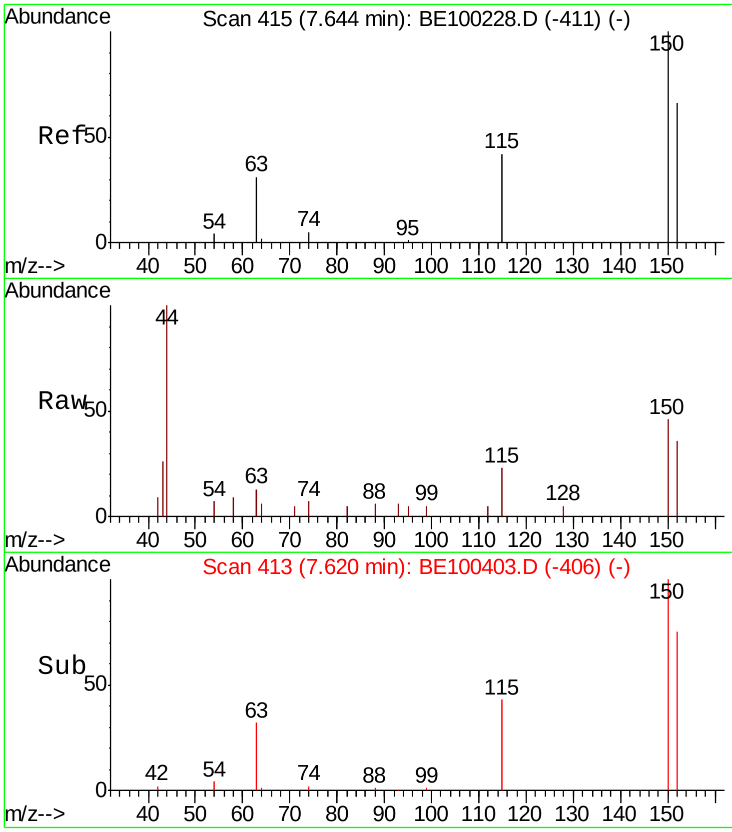
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070519\
Data File : BE100403.D
Acq On : 6 Jul 2019 4:55
Operator : JU/SJ
Sample : K3561-05MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Quant Time: Jul 06 05:41:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration



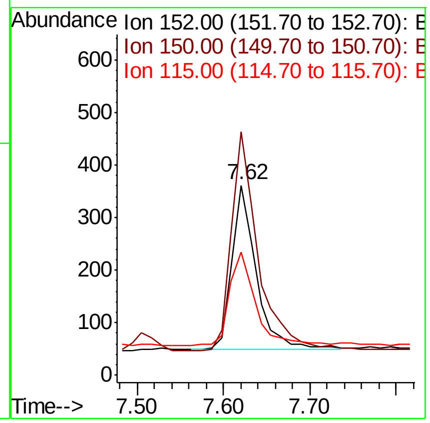


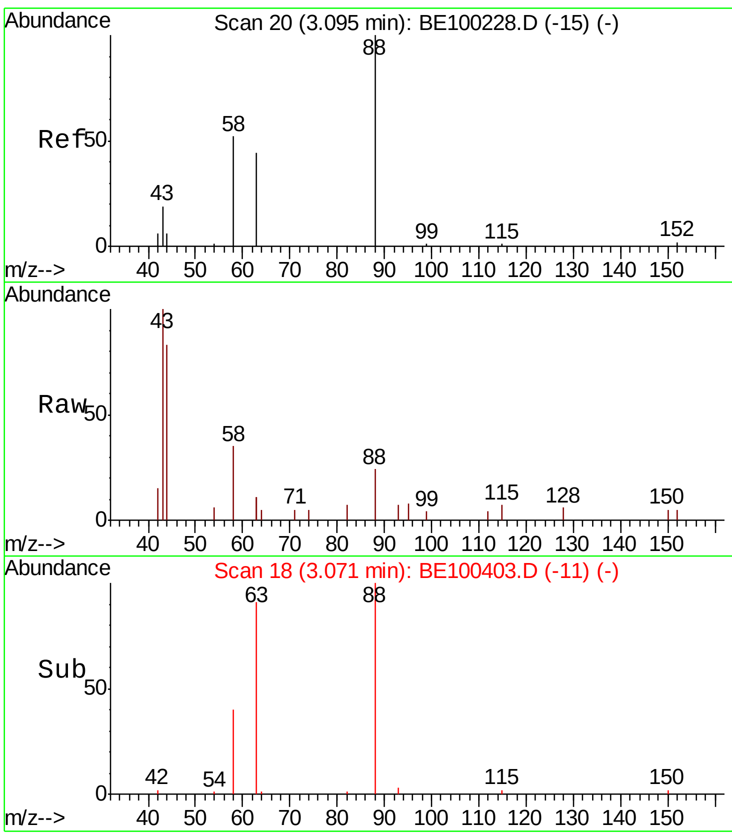
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:152 Resp: 610

Ion	Ratio	Lower	Upper
152	100		
150	128.3	114.5	171.7
115	64.8	57.1	85.7

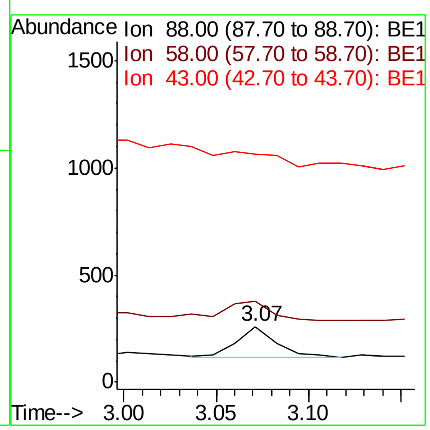


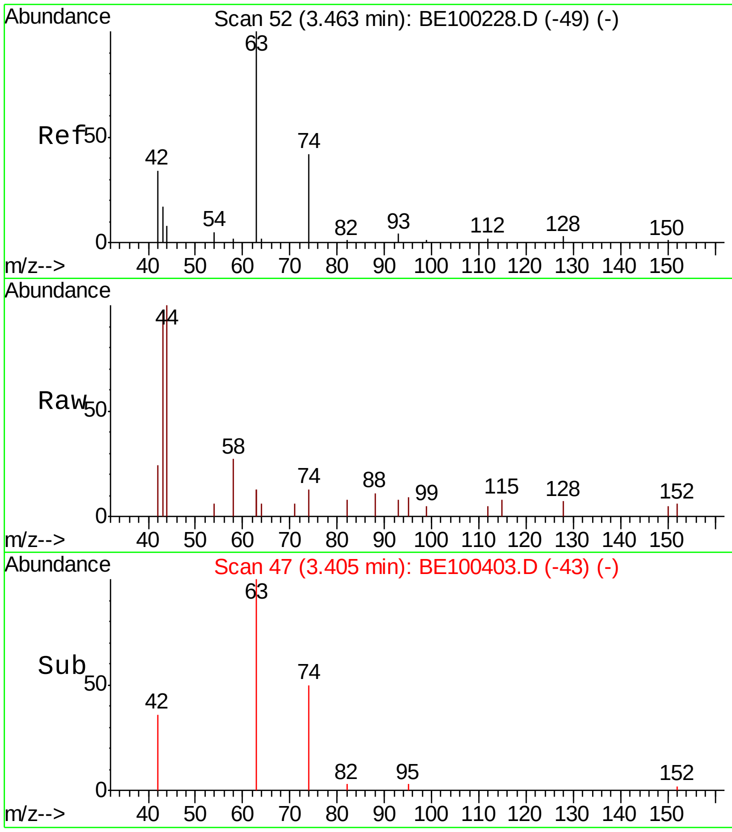


#2
1,4-Dioxane
Concen: 0.221 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion: 88 Resp: 209

Ion	Ratio	Lower	Upper
88	100		
58	83.3	43.6	65.4#
43	0.0	21.4	32.0#



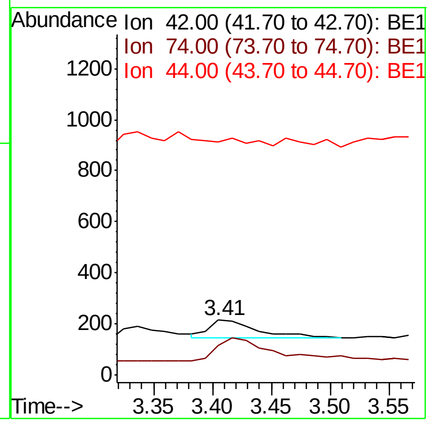


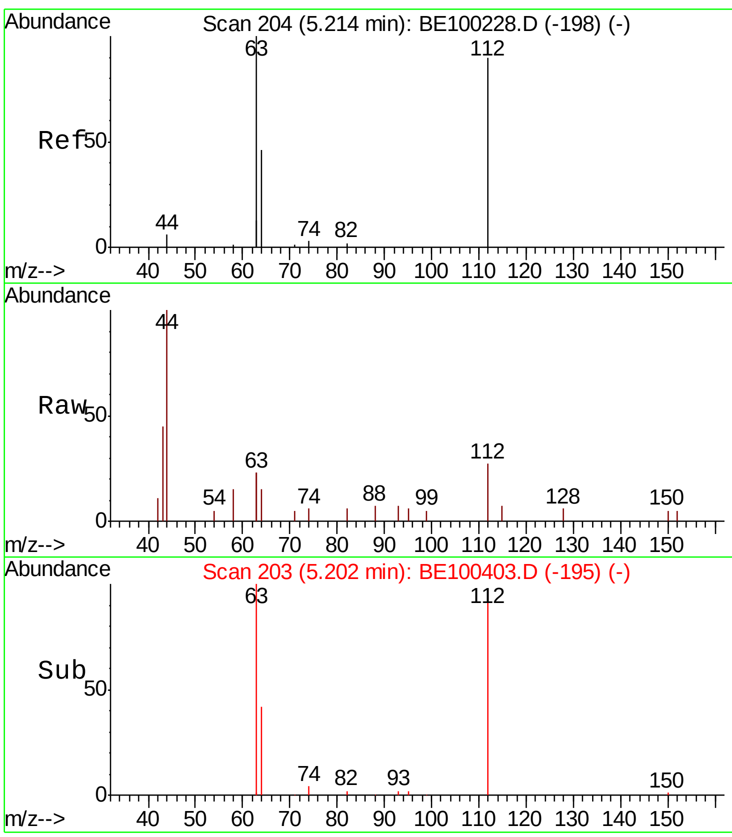
#3
n-Nitrosodimethylamine
Concen: 0.453 ng
RT: 3.41 min Scan# 47
Delta R.T. -0.06 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument : BNA_E
ClientSampleId : EXT-016-SW099-062519MS

Tgt Ion: 42 Resp: 200

Ion	Ratio	Lower	Upper
42	100		
74	143.5	130.6	196.0
44	0.0	38.0	57.0#

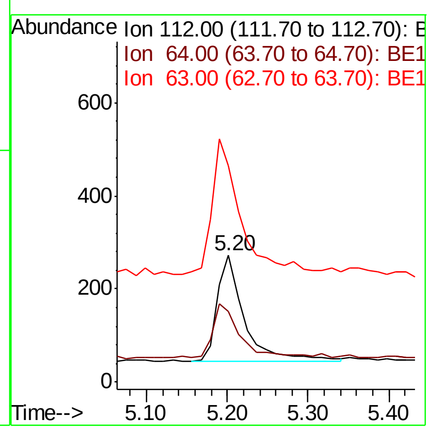


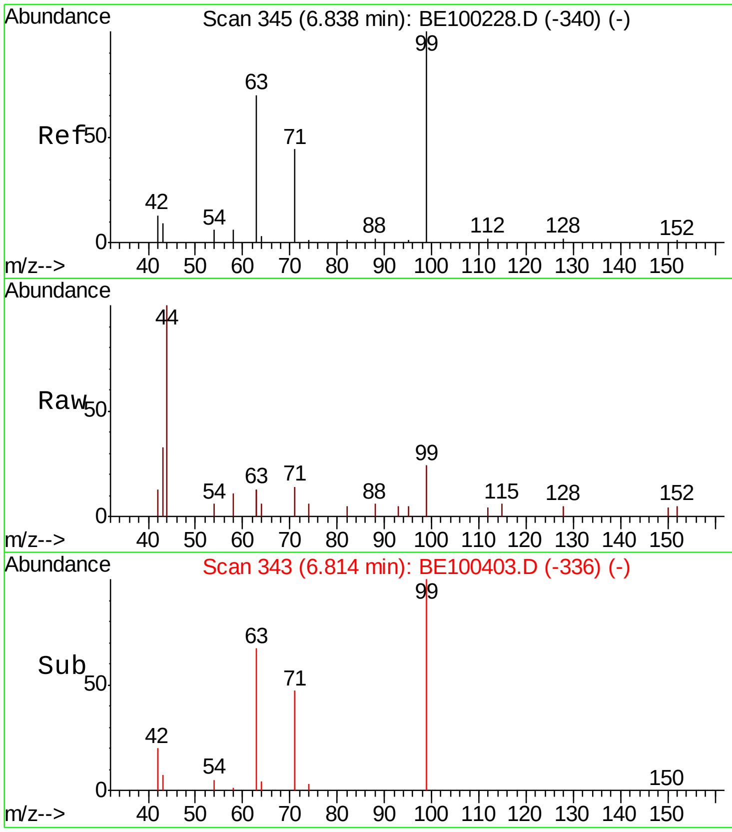


#4
2-Fluorophenol
Concen: 0.336 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:112 Resp: 522

Ion	Ratio	Lower	Upper
112	100		
64	49.4	39.4	59.0
63	135.8	104.5	156.7



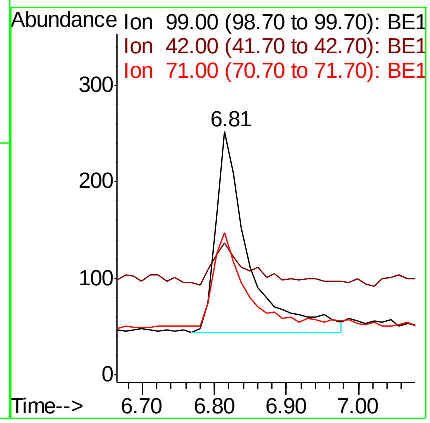


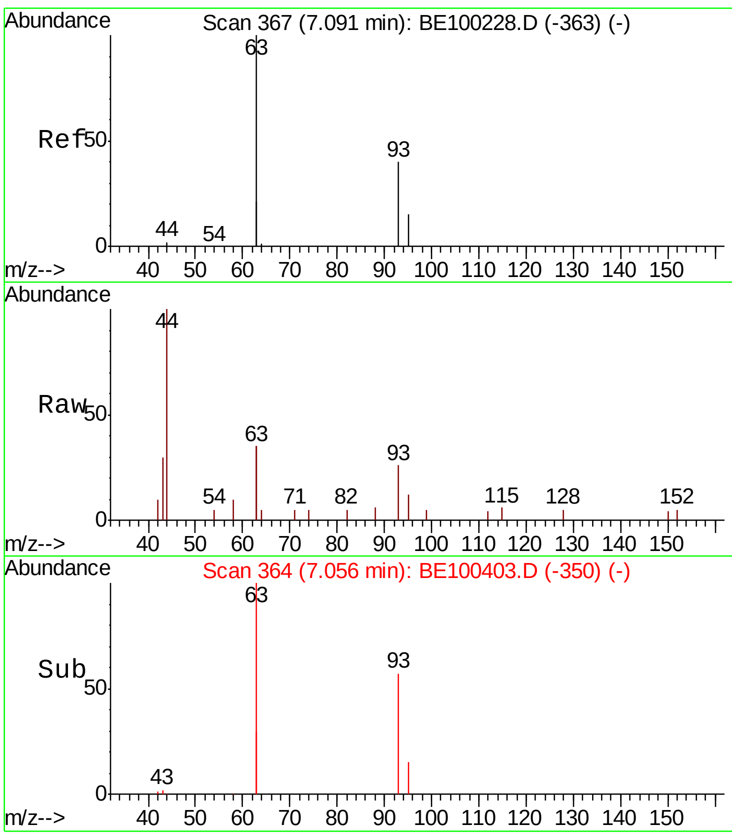
#5
Phenol-d6
Concen: 0.321 ng
RT: 6.81 min Scan# 343
Delta R.T. -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion: 99 Resp: 657

Ion	Ratio	Lower	Upper
99	100		
42	24.4	11.2	16.8#
71	43.4	37.2	55.8

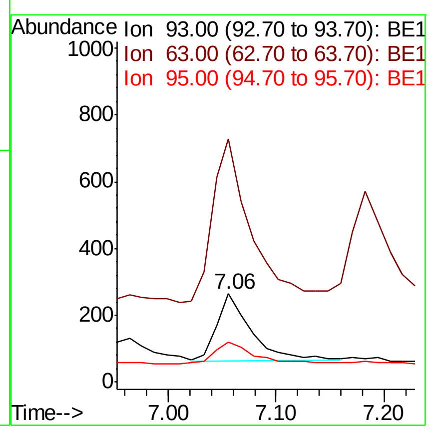




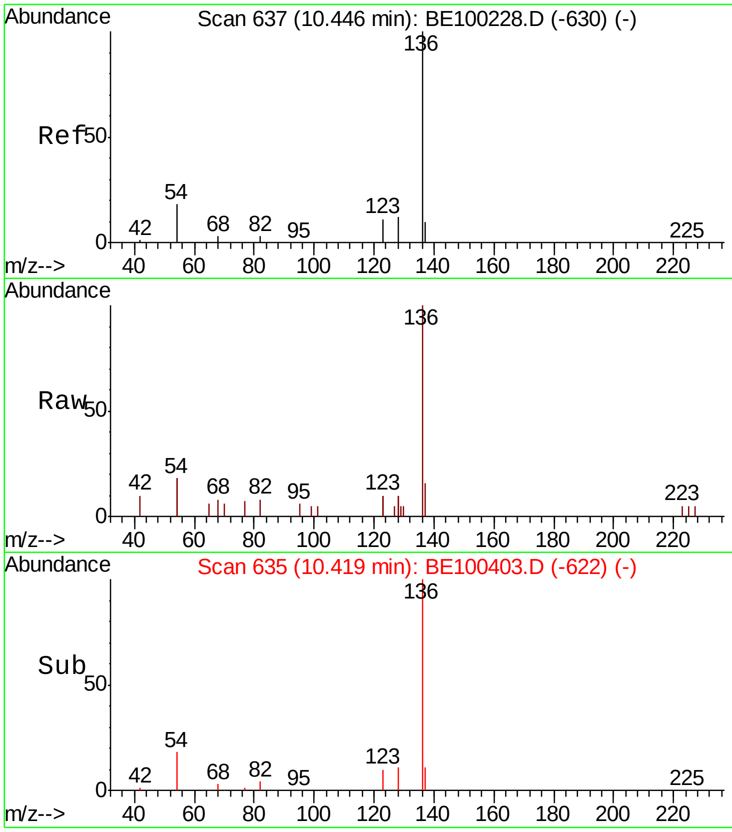
#6
bis(2-Chloroethyl)ether
Concen: 0.266 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion: 93 Resp: 447

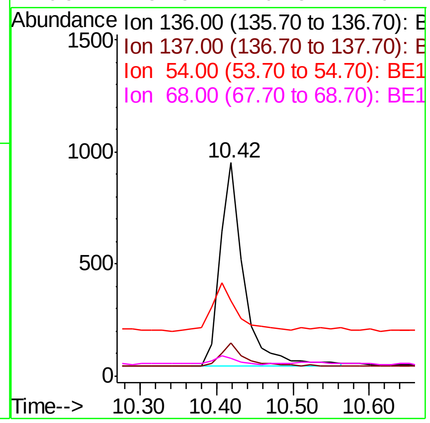
Ion	Ratio	Lower	Upper
93	100		
63	272.5	155.6	233.4#
95	36.2	23.0	34.4#

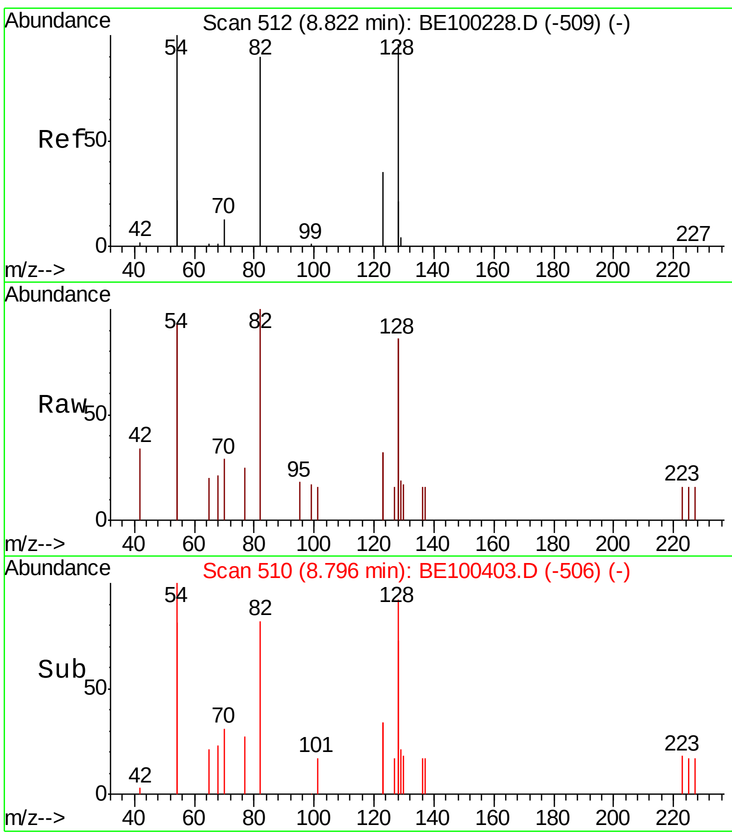


Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

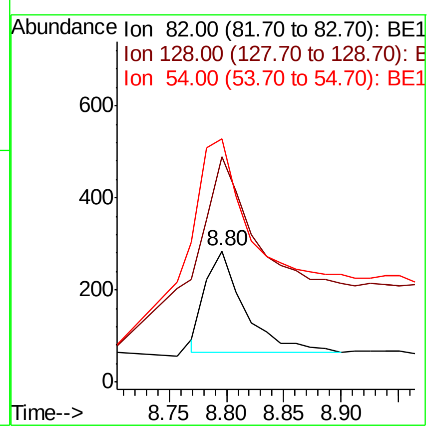



```
#7
Naphthalene-d8
Concen:     0.400 ng
RT: 10.42 min   Scan# 635
Delta R.T.    -0.03 min
Lab File:    BE100403.D
Acq:  6 Jul 2019   4:55

Tgt Ion:136 Resp:    2001
Ion  Ratio  Lower  Upper
136  100
137   15.5   11.8   17.8
 54   35.0   27.7   41.5
 68    8.5    6.8   10.2
```

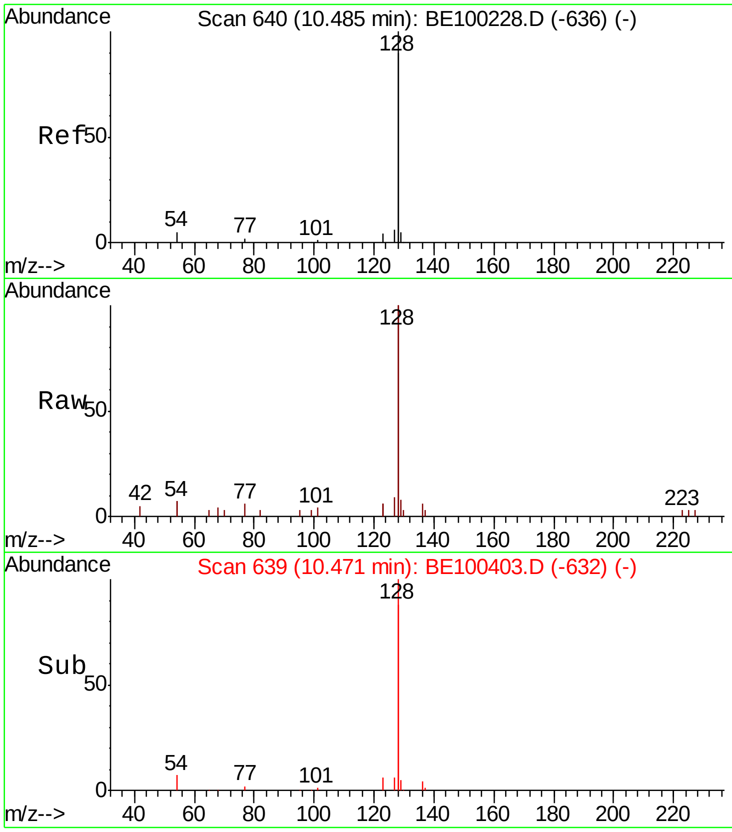





```
#8
Nitrobenzene-d5
Concen:     0.267 ng
RT: 8.80 min   Scan# 510
Delta R.T.    -0.03 min
Lab File:    BE100403.D
Acq:  6 Jul 2019   4:55

Tgt Ion: 82 Resp:     530
Ion  Ratio  Lower  Upper
 82  100
128  171.2  140.9  211.3
 54  185.3  146.2  219.2
```



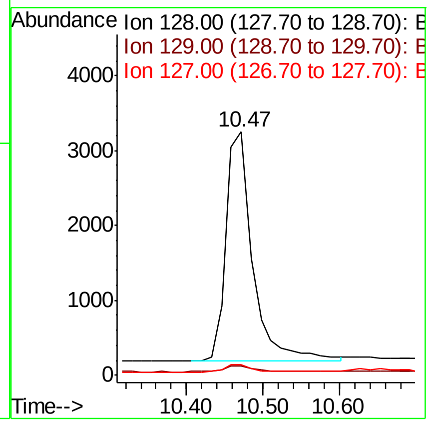
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

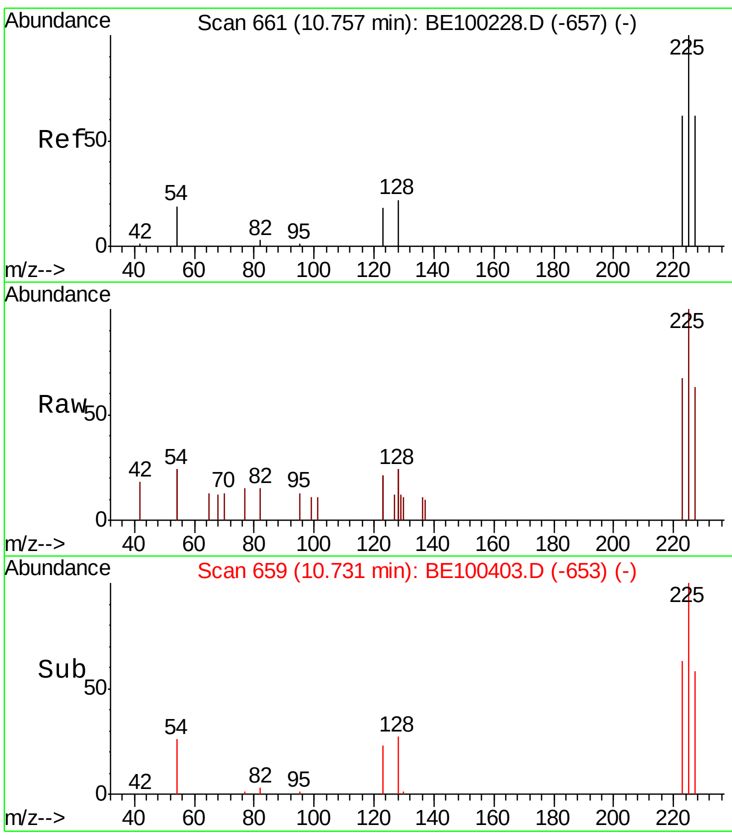


#9
Naphthalene
Concen: 0.336 ng
RT: 10.47 min Scan# 639
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:128 Resp: 7417

Ion	Ratio	Lower	Upper
128	100		
129	4.1	3.0	4.6
127	4.5	3.5	5.3

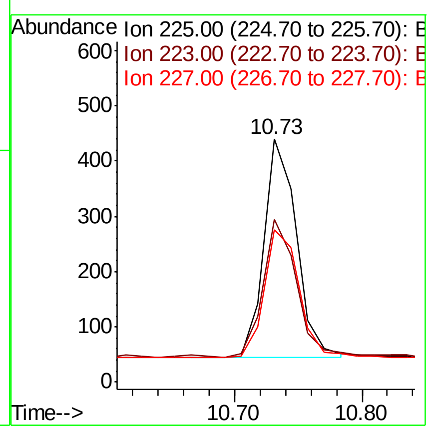


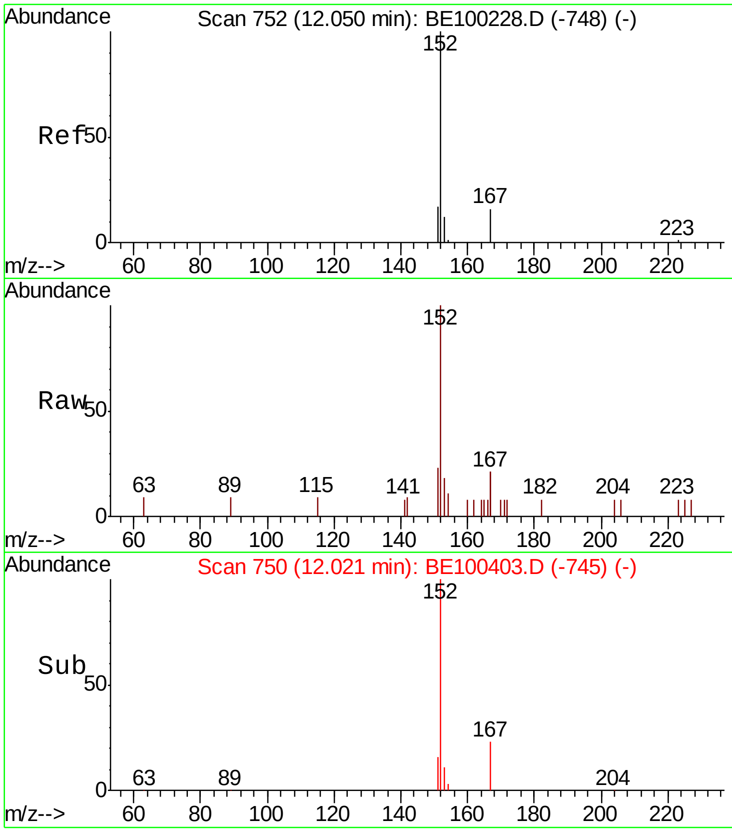


#10
Hexachlorobutadiene
Concen: 0.329 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:225 Resp: 699

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.1	73.7
227	62.9	49.3	73.9



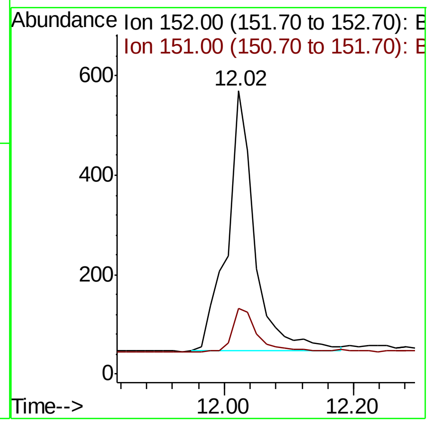


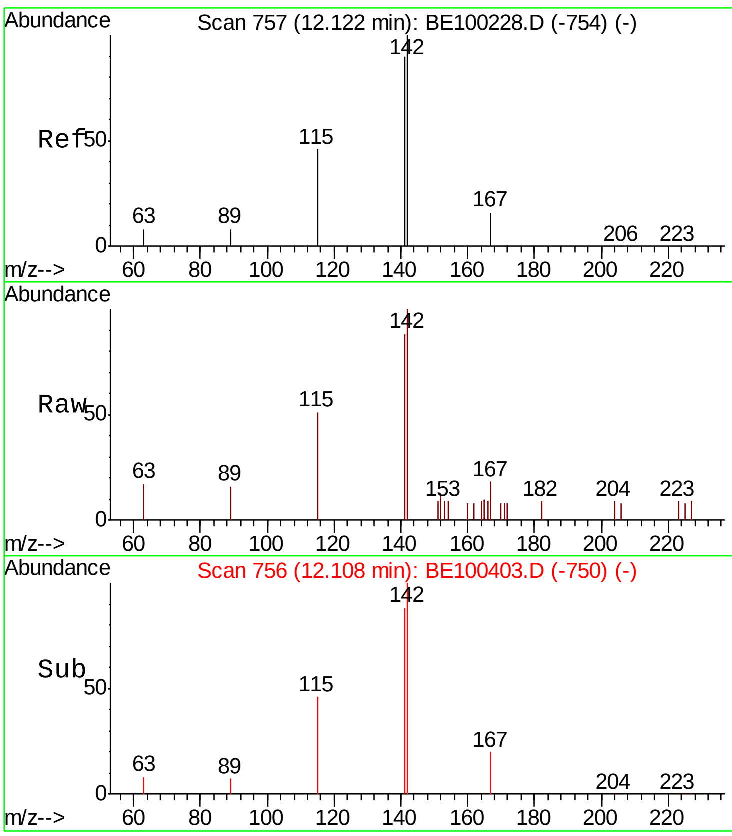
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument : BNA_E
ClientSampleId : EXT-016-SW099-062519MS

Tgt Ion:152 Resp: 1533

Ion	Ratio	Lower	Upper
152	100		
151	14.8	15.1	22.7#

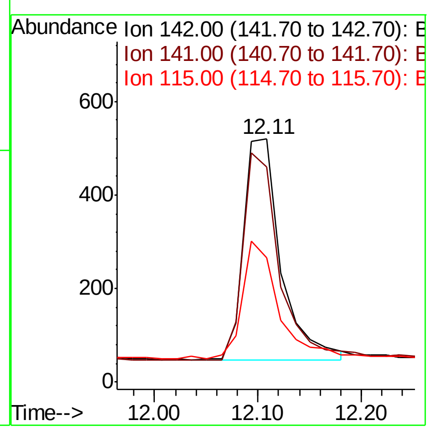


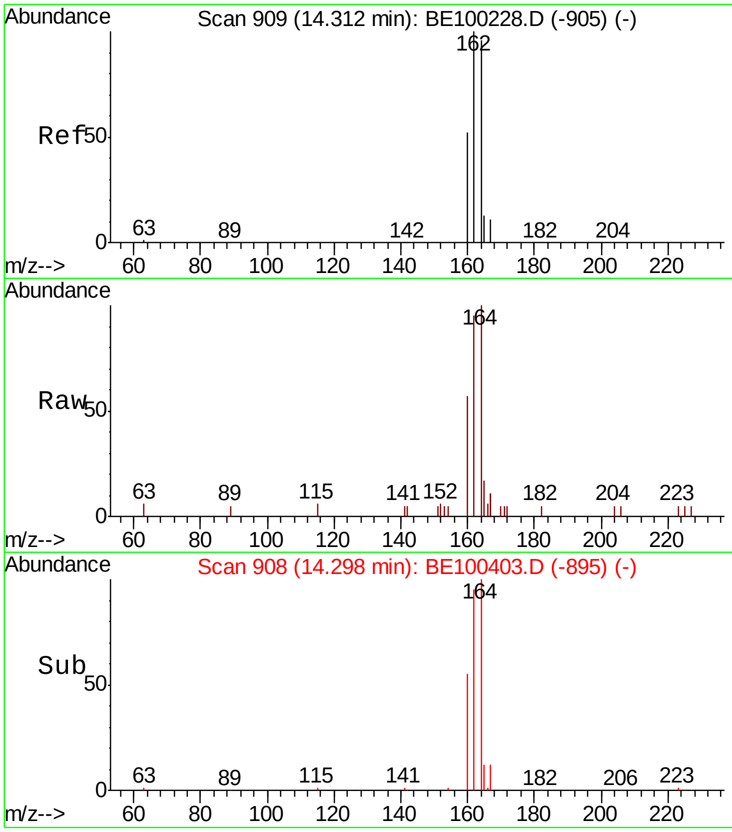


#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:142 Resp: 1193

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.4	108.6
115	51.2	40.4	60.6



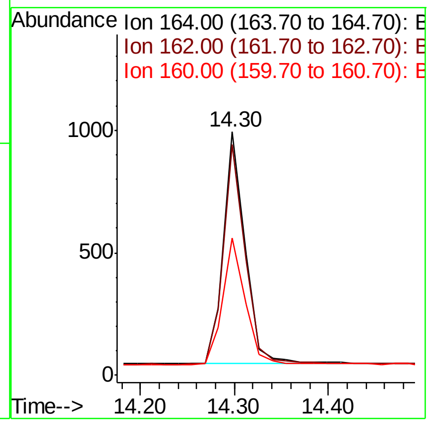


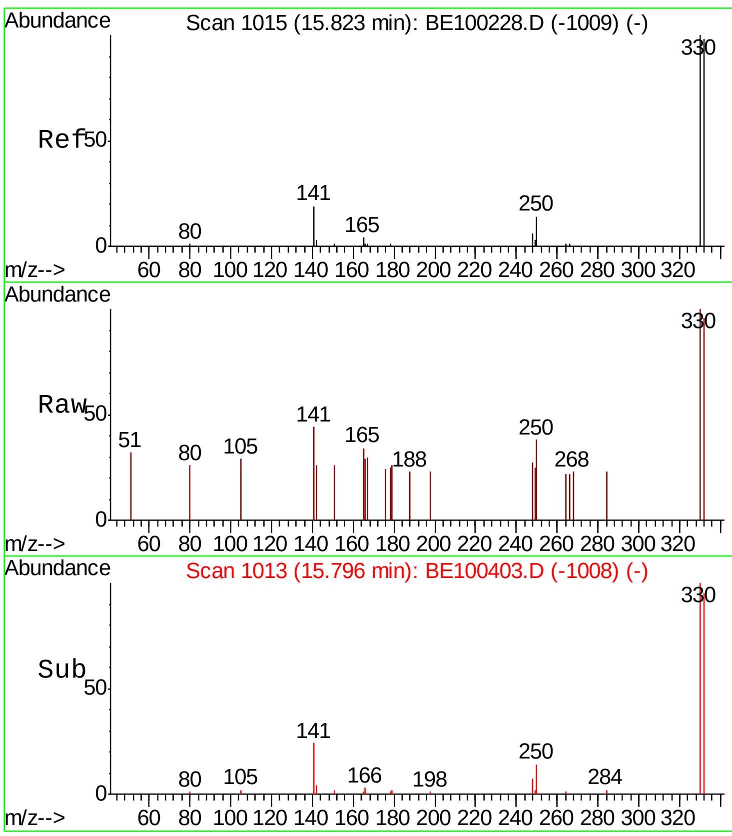
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min   Scan# 908
Delta R.T.   -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:164 Resp: 1502

Ion	Ratio	Lower	Upper
164	100		
162	94.9	83.4	125.0
160	56.6	45.0	67.6

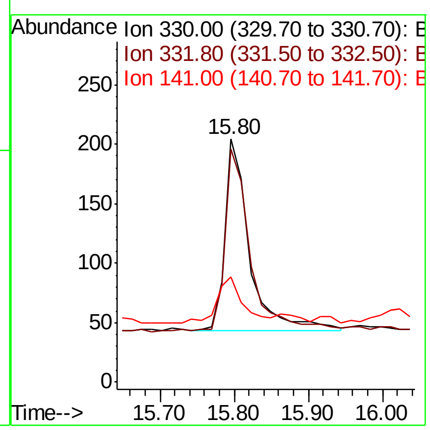




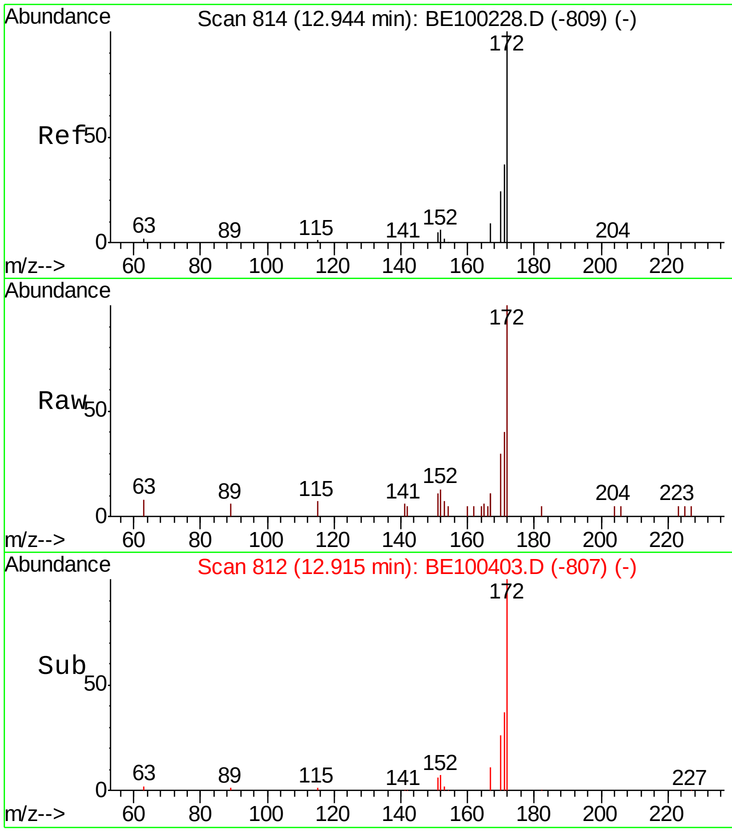
#14
2,4,6-Tribromophenol
Concen: 0.362 ng
RT: 15.80 min   Scan# 1013
Delta R.T.   -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Tgt Ion:330 Resp: 380

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.4
141	24.2	22.0	33.0



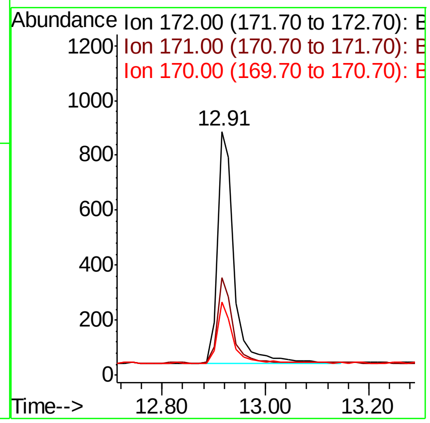
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

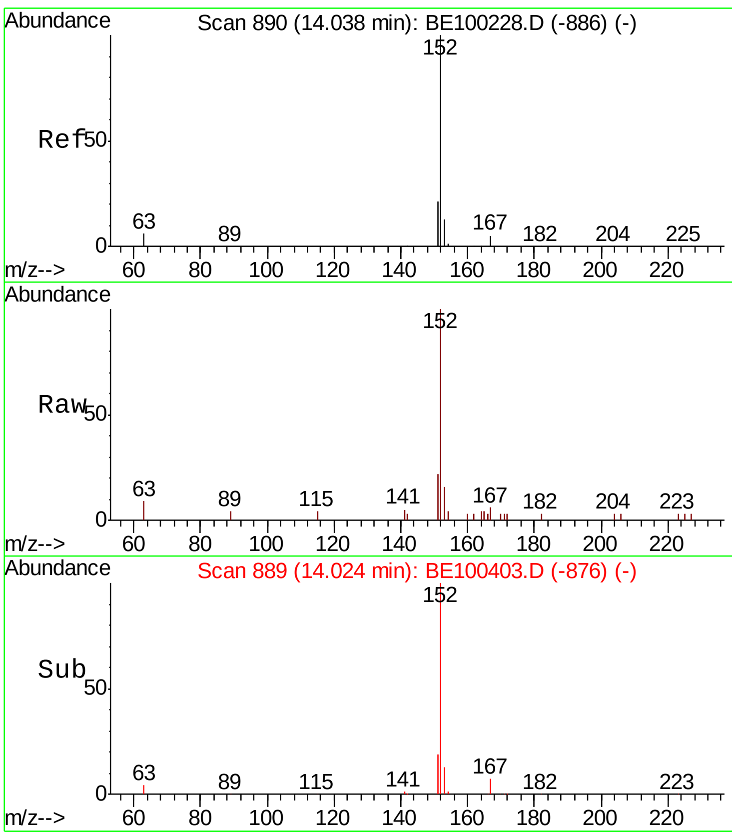


#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.91 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:172 Resp: 1951

Ion	Ratio	Lower	Upper
172	100		
171	40.0	31.9	47.9
170	30.1	22.2	33.2

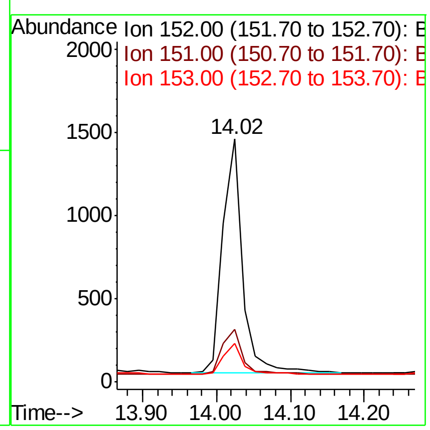


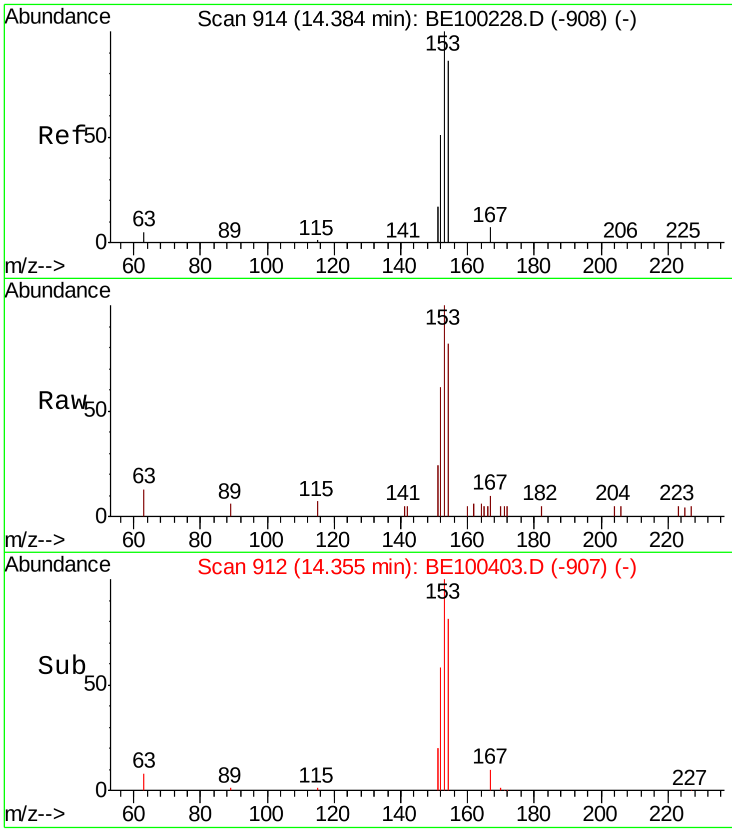


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:152 Resp: 2598

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	13.4	10.5	15.7



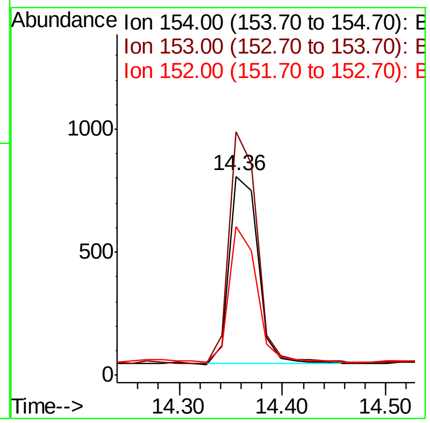


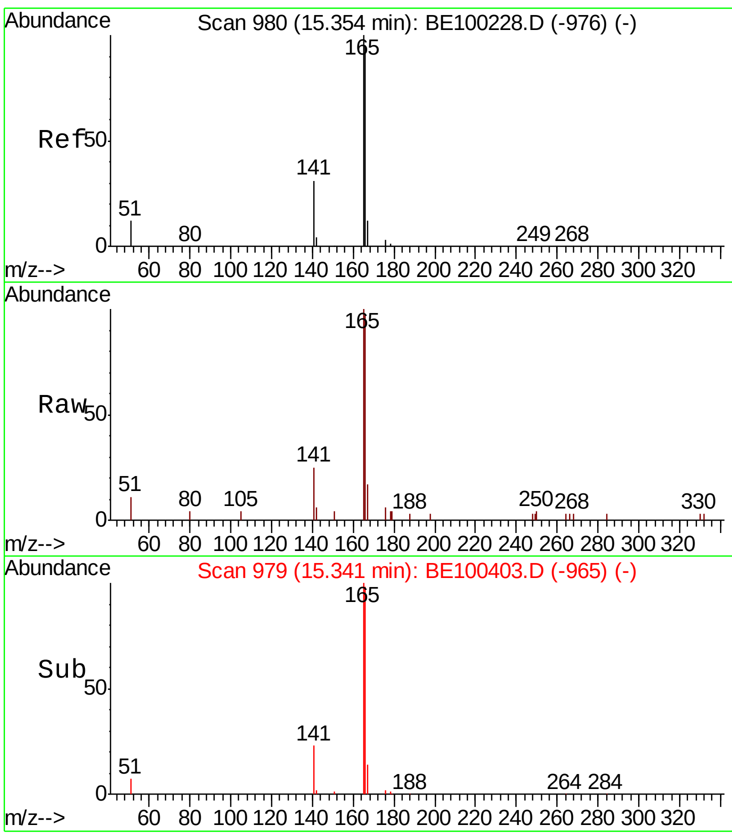
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:154 Resp: 1454

Ion	Ratio	Lower	Upper
154	100		
153	121.8	93.4	140.2
152	70.0	49.4	74.2

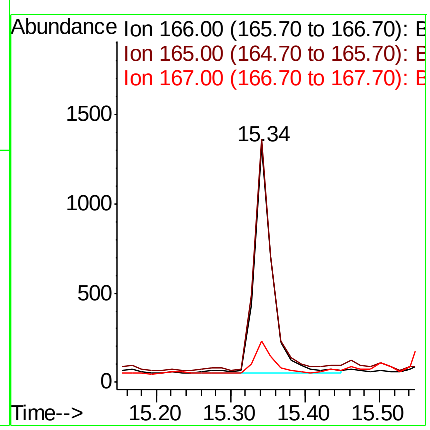


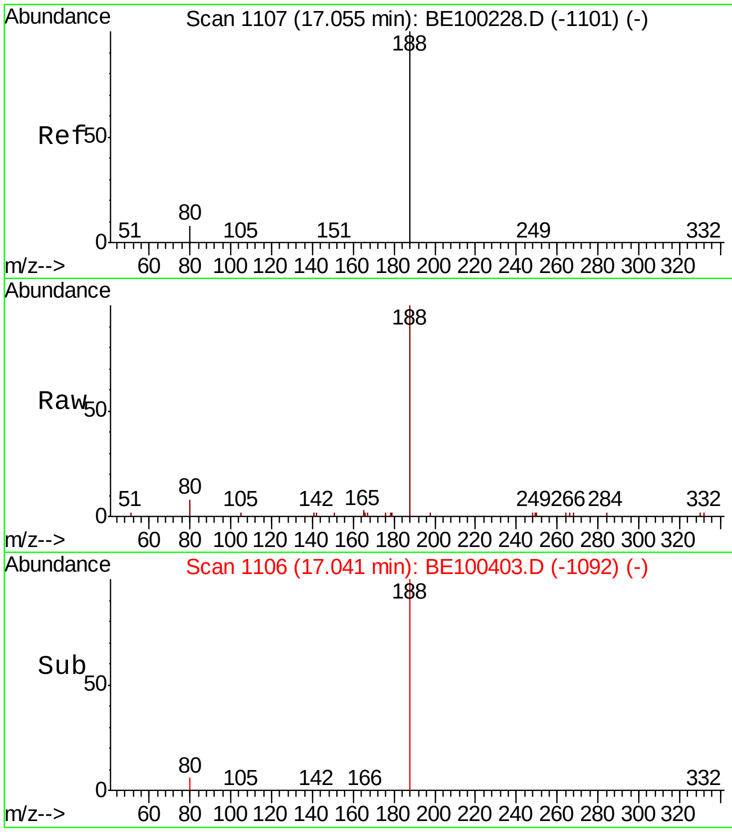


#18
Fluorene
Concen: 0.360 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:166 Resp: 2172

Ion	Ratio	Lower	Upper
166	100		
165	98.9	81.1	121.7
167	14.4	10.7	16.1



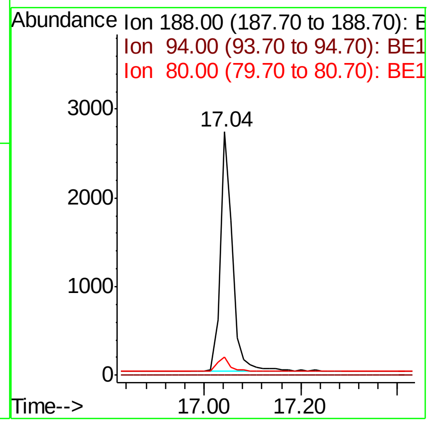


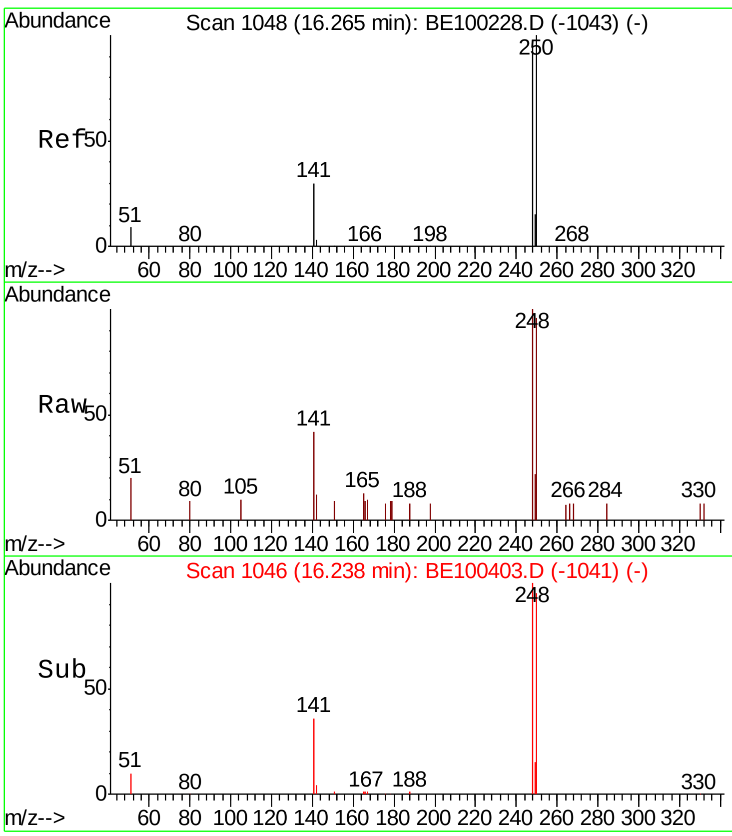
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:188 Resp: 4676

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	7.6	11.4

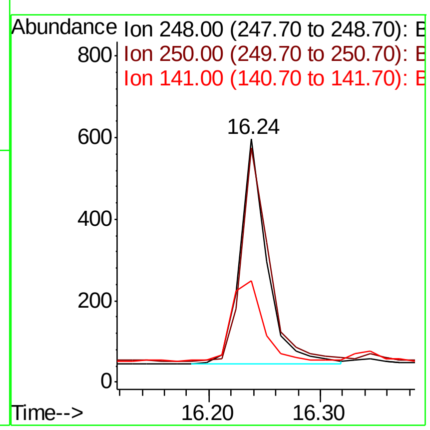


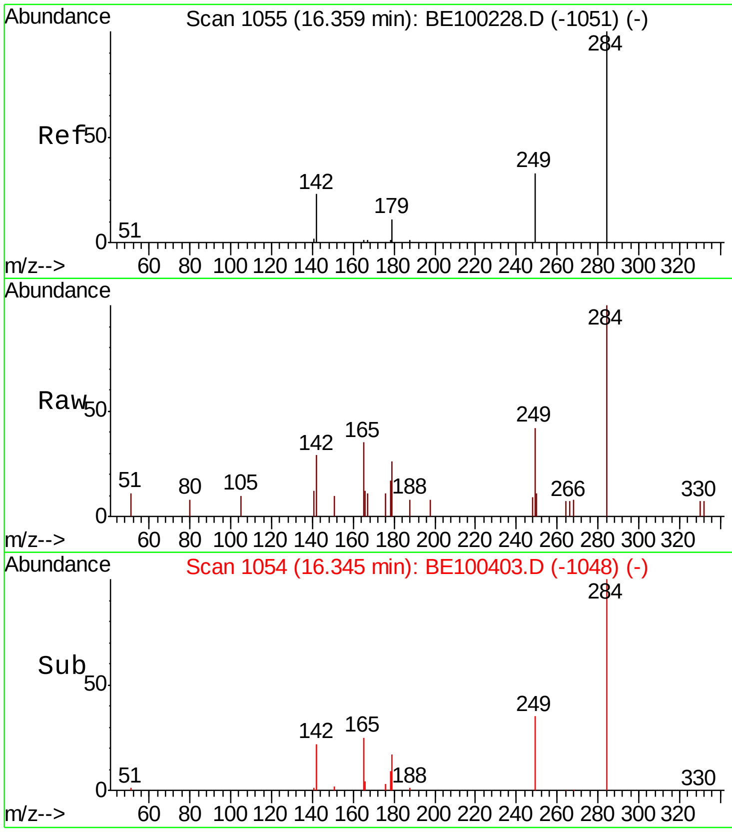


#20
4-Bromophenyl-phenylether
Concen: 0.303 ng
RT: 16.24 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:248 Resp: 904

Ion	Ratio	Lower	Upper
248	100		
250	96.5	84.2	126.4
141	41.5	29.3	43.9



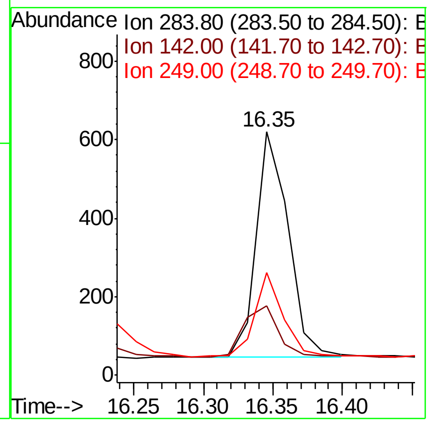


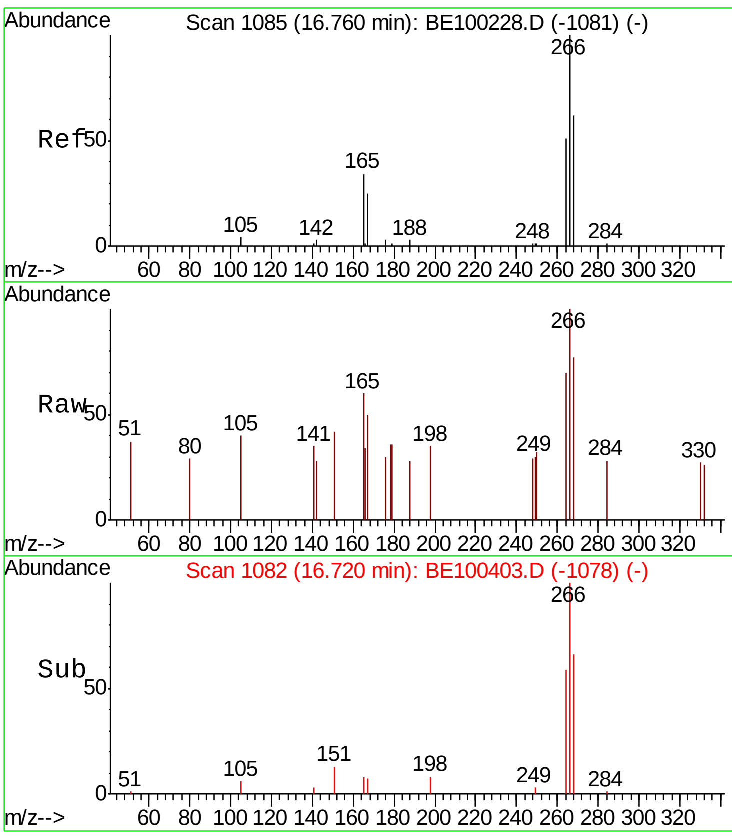
#21
Hexachlorobenzene
Concen: 0.298 ng
RT: 16.35 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:284 Resp: 924

Ion	Ratio	Lower	Upper
284	100		
142	24.5	18.8	28.2
249	33.4	23.7	35.5

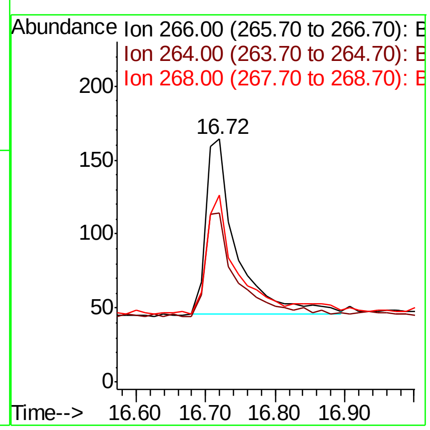


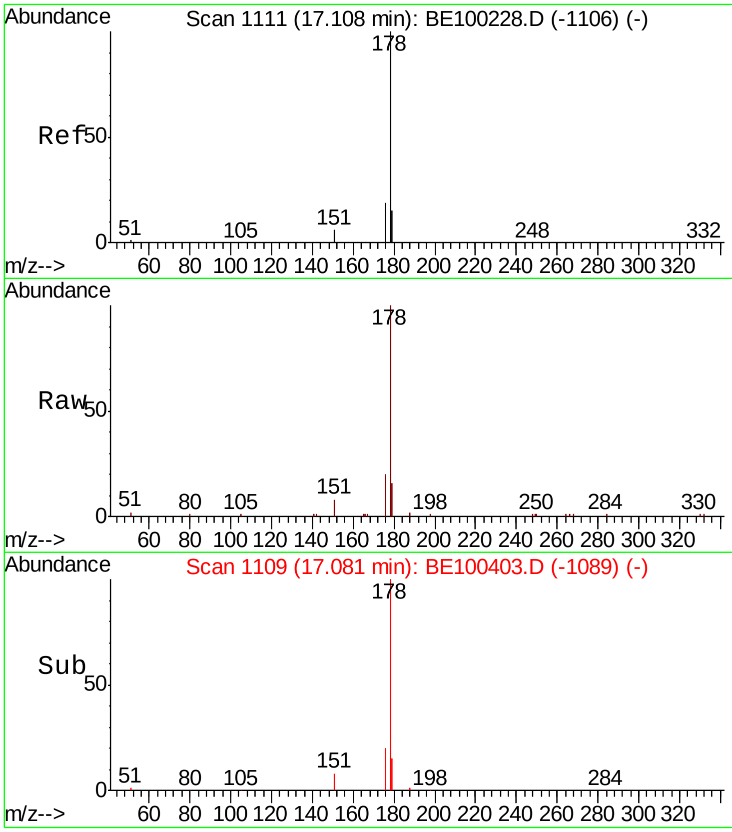


#22
Pentachlorophenol
Concen: 0.390 ng
RT: 16.72 min Scan# 1082
Delta R.T. -0.04 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:266 Resp: 364

Ion	Ratio	Lower	Upper
266	100		
264	69.5	56.2	84.2
268	76.8	61.8	92.6



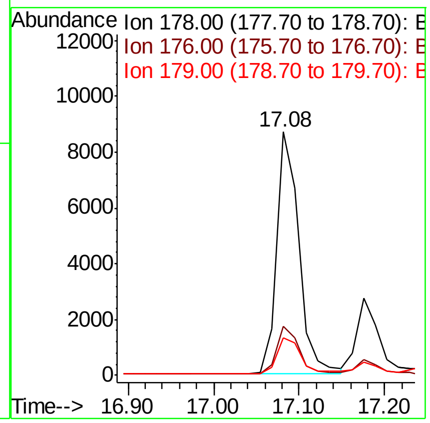


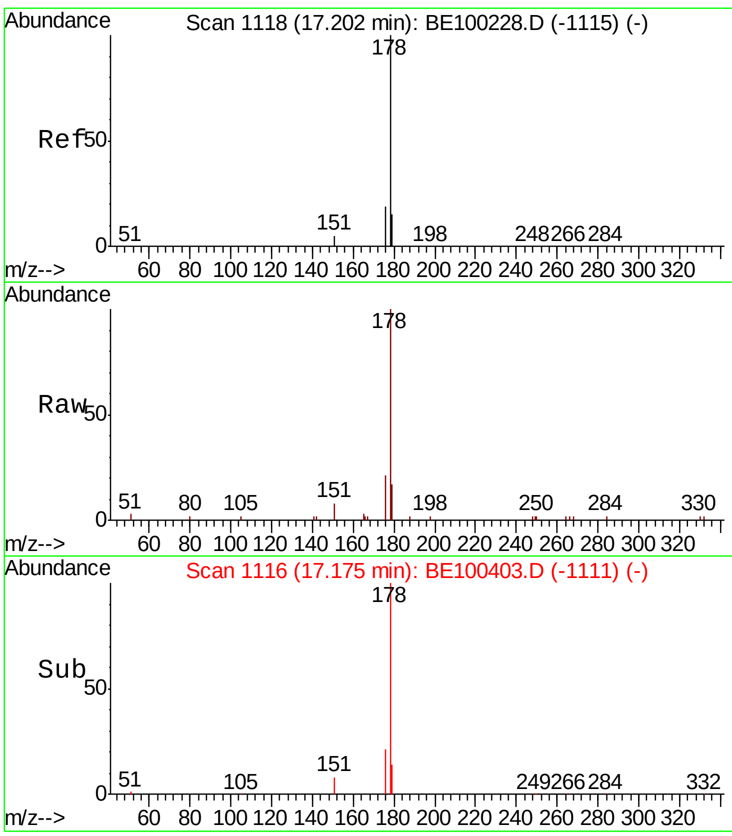
#23
Phenanthrene
Concen: 1.375 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:178 Resp: 15587

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	16.3	12.2	18.2

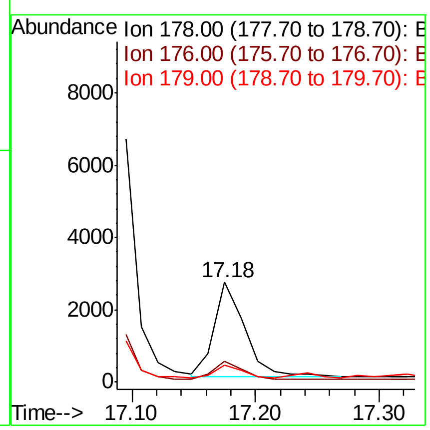


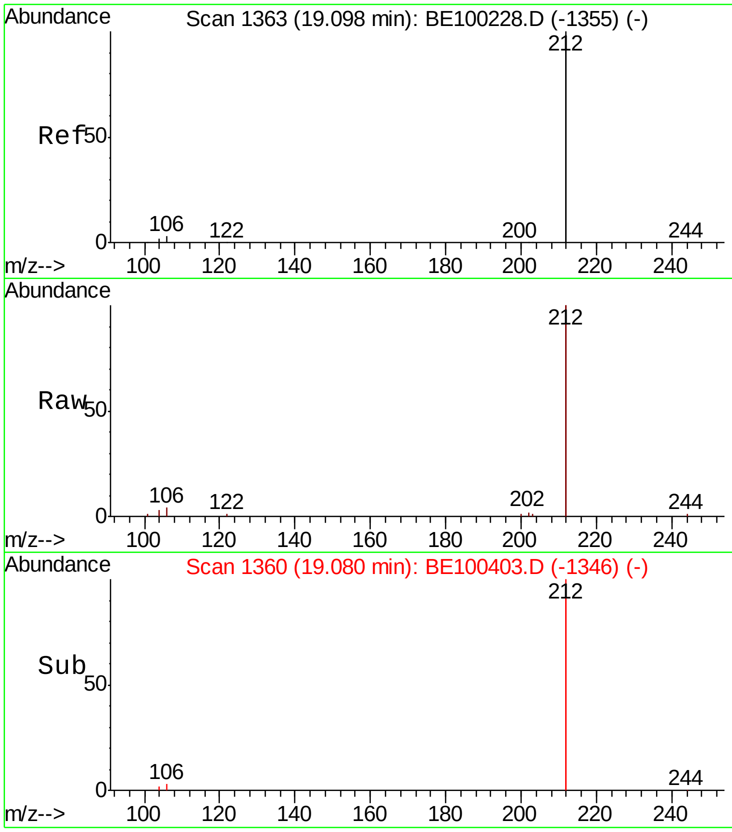


#24
Anthracene
Concen: 0.447 ng
RT: 17.18 min Scan# 1116
Delta R.T. -0.03 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:178 Resp: 4562

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	11.4	12.2	18.2#



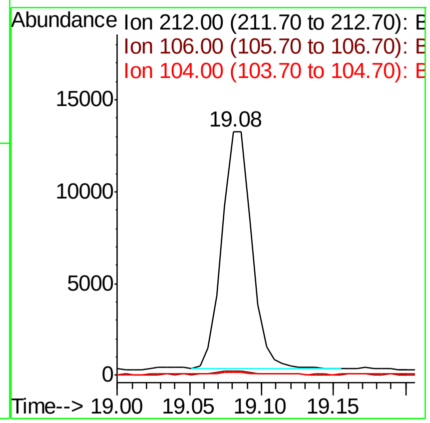


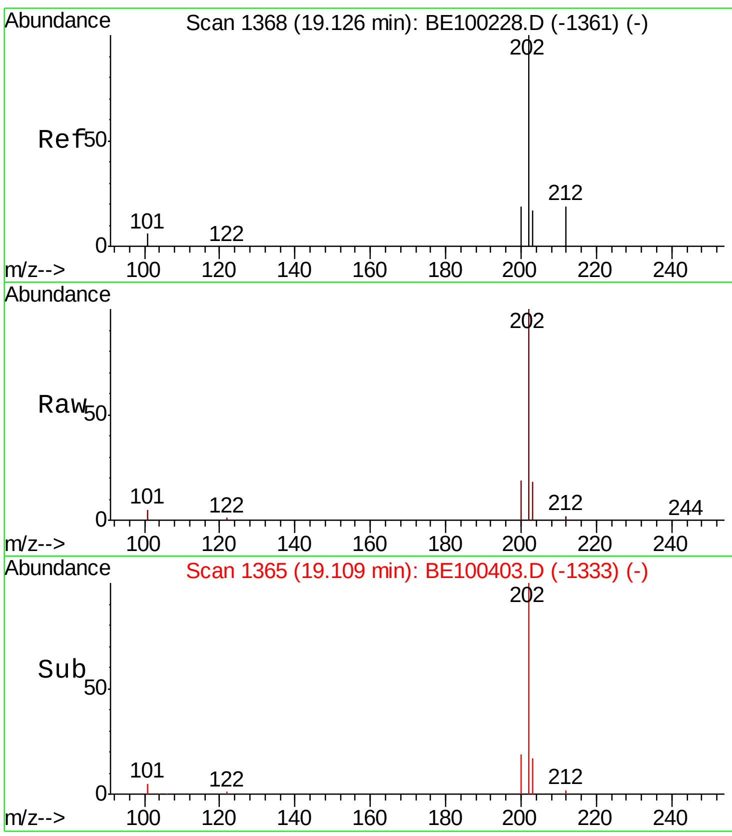
#25
Fluoranthene-d10
Concen: 0.274 ng
RT: 19.08 min   Scan# 1360
Delta R.T.   -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:212 Resp: 18602

Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	0.9	0.8	1.2

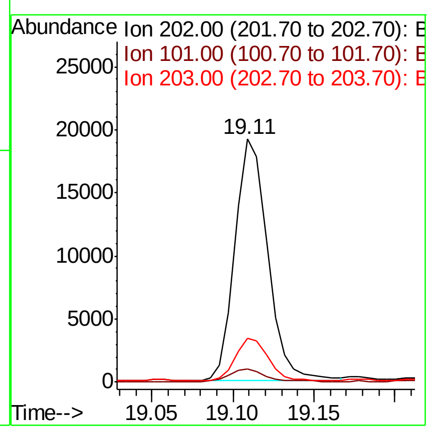


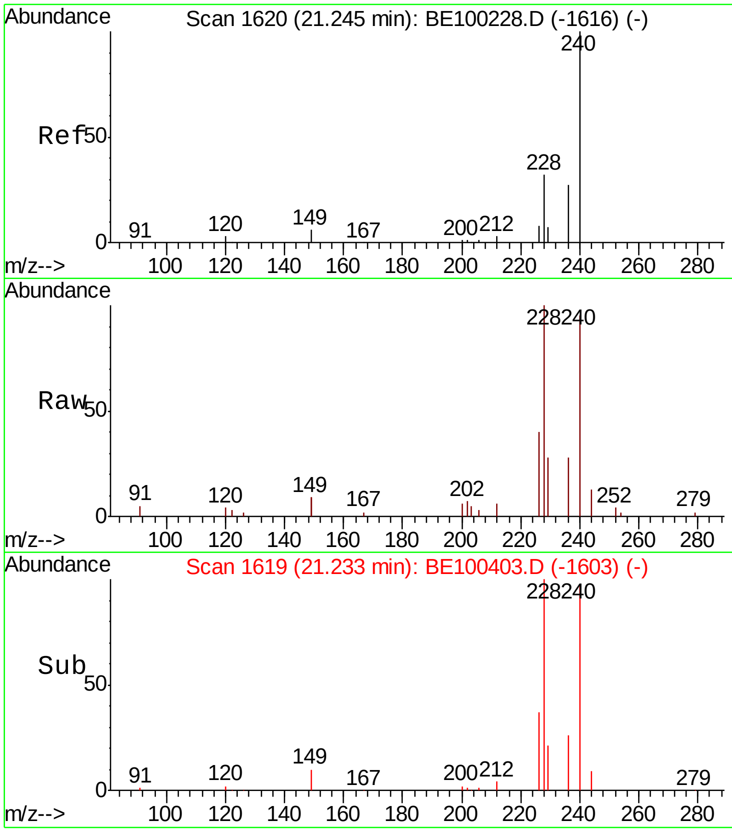


#26
Fluoranthene
Concen: 1.502 ng
RT: 19.11 min   Scan# 1365
Delta R.T.   -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Tgt Ion:202 Resp: 27119

Ion	Ratio	Lower	Upper
202	100		
101	5.2	4.6	7.0
203	17.5	13.7	20.5



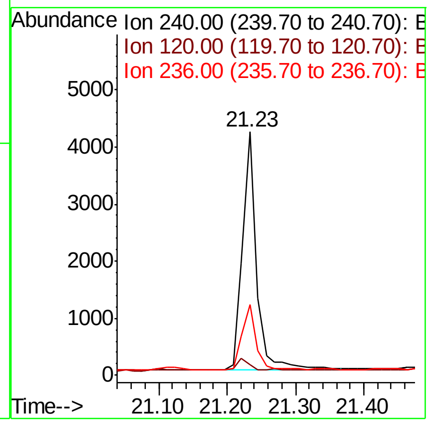


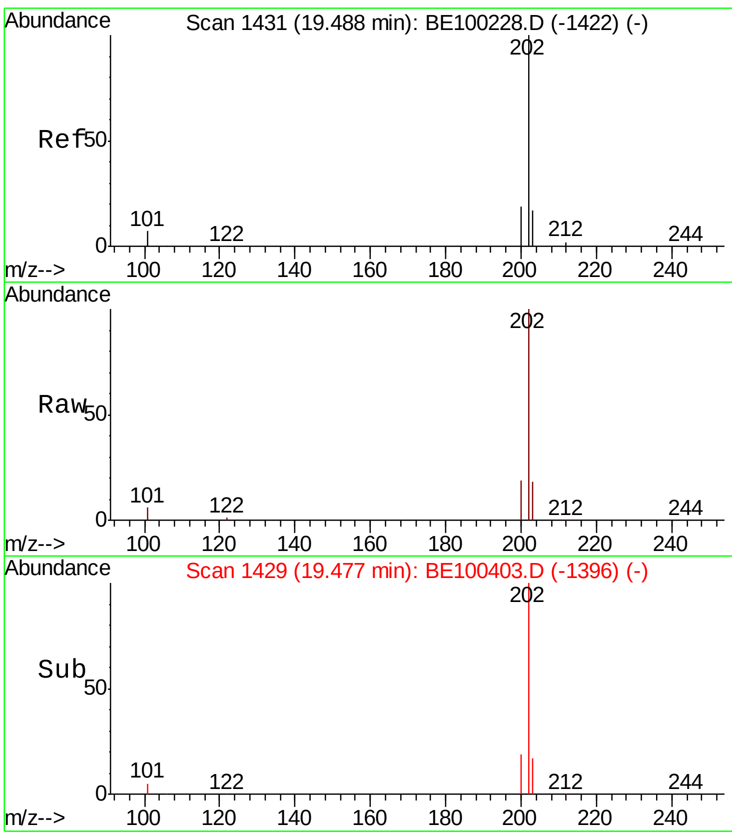
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min   Scan# 1619
Delta R.T.   -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:240 Resp: 6027

Ion	Ratio	Lower	Upper
240	100		
120	4.3	3.3	4.9
236	29.0	22.6	34.0

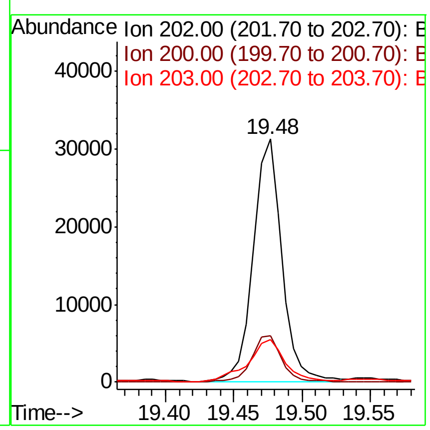


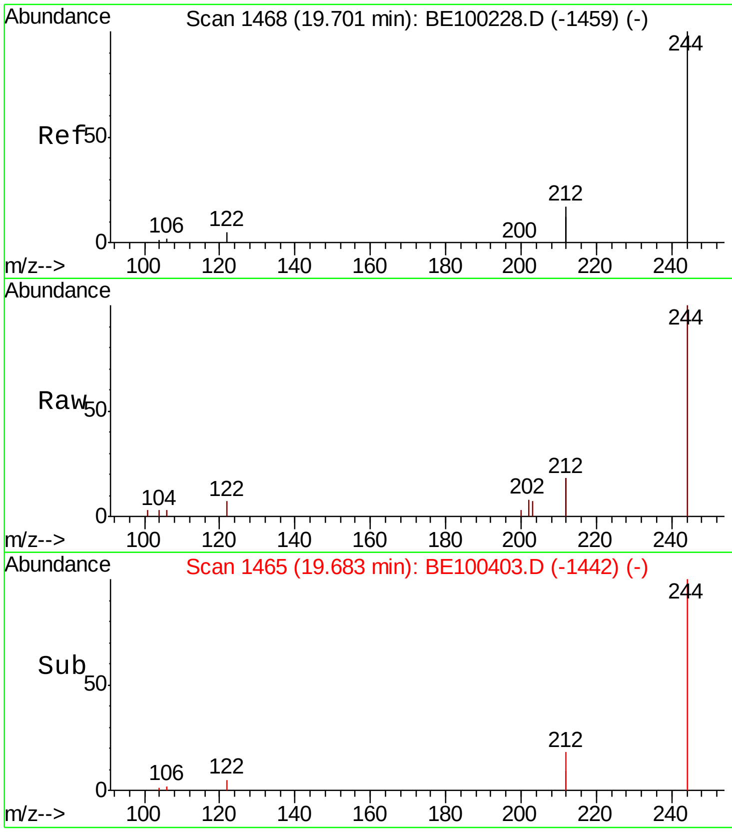


#28
Pyrene
Concen: 2.797 ng
RT: 19.48 min   Scan# 1429
Delta R.T.   -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Tgt Ion:202 Resp: 44637

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.6	23.4
203	22.2	14.0	21.0#



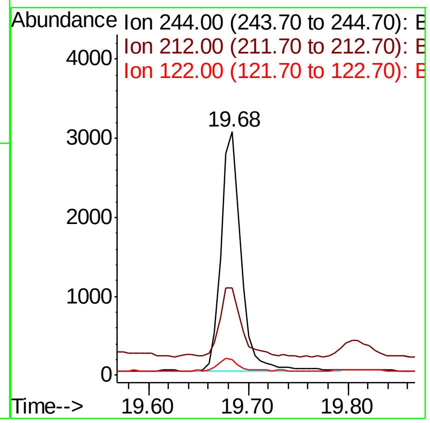


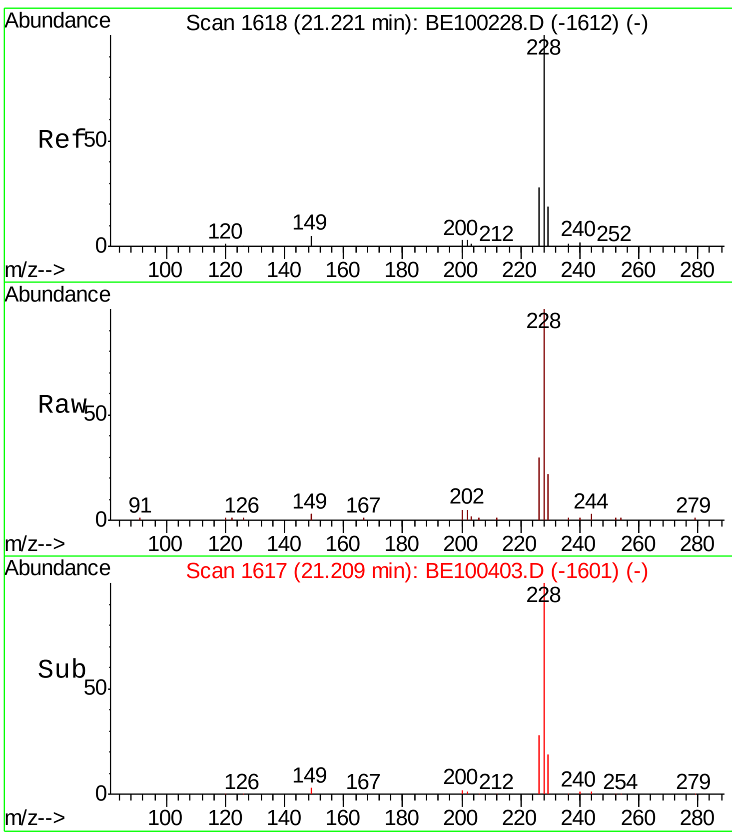
#29
Terphenyl-d14
Concen: 0.339 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:244 Resp: 4231

Ion	Ratio	Lower	Upper
244	100		
212	36.0	27.3	40.9
122	6.6	4.7	7.1

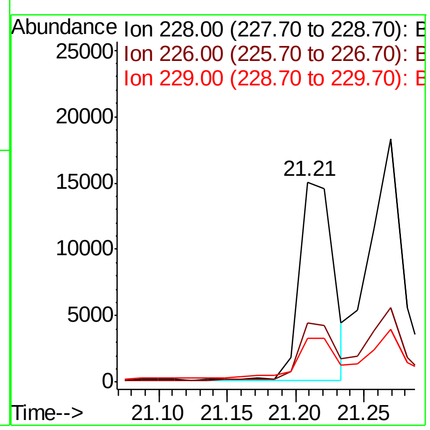


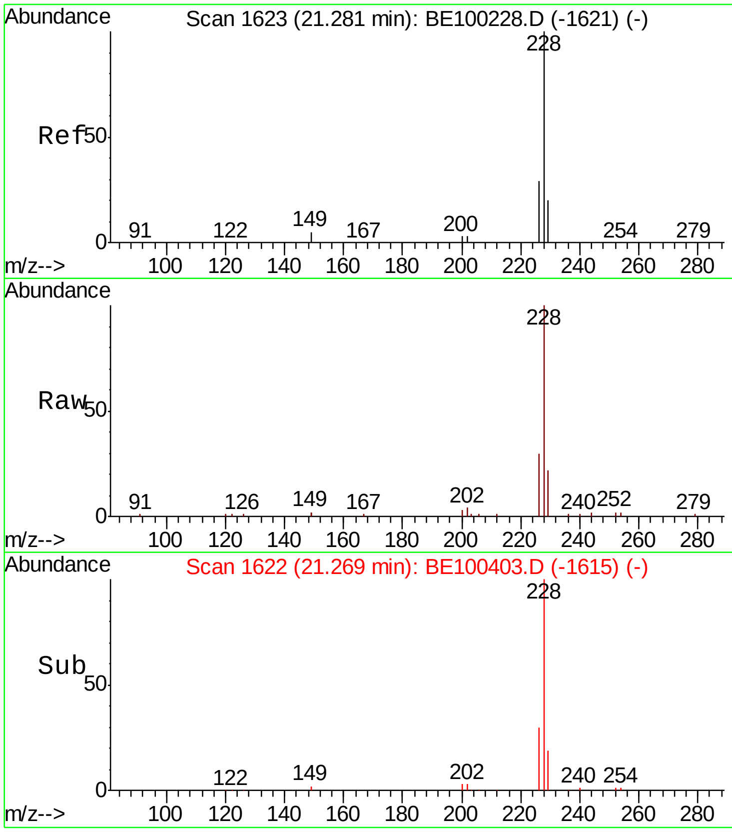


#30
Benzo(a)anthracene
Concen: 1.303 ng
RT: 21.21 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:228 Resp: 25822

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	21.8	15.7	23.5



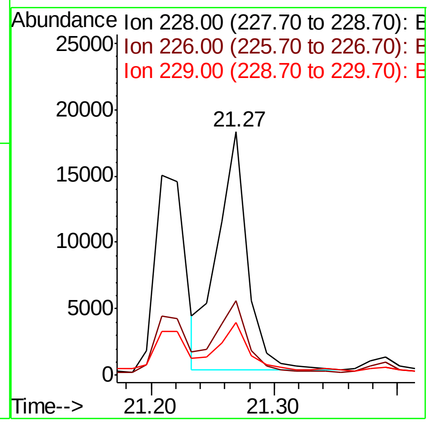


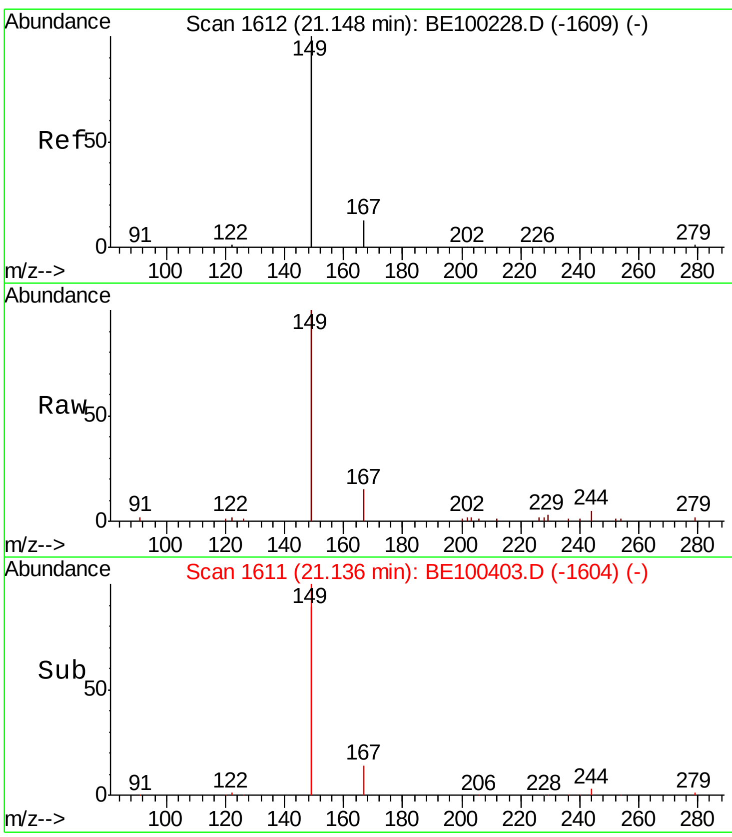
#31
Chrysene
Concen: 1.505 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:228 Resp: 29943

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	21.8	16.5	24.7

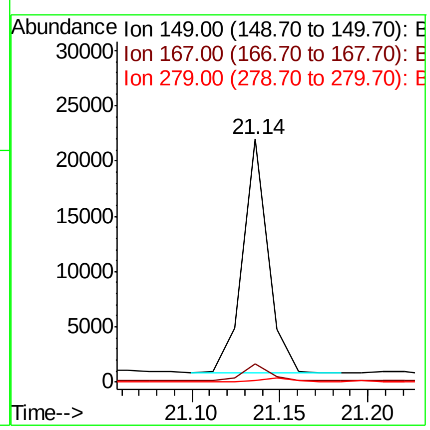


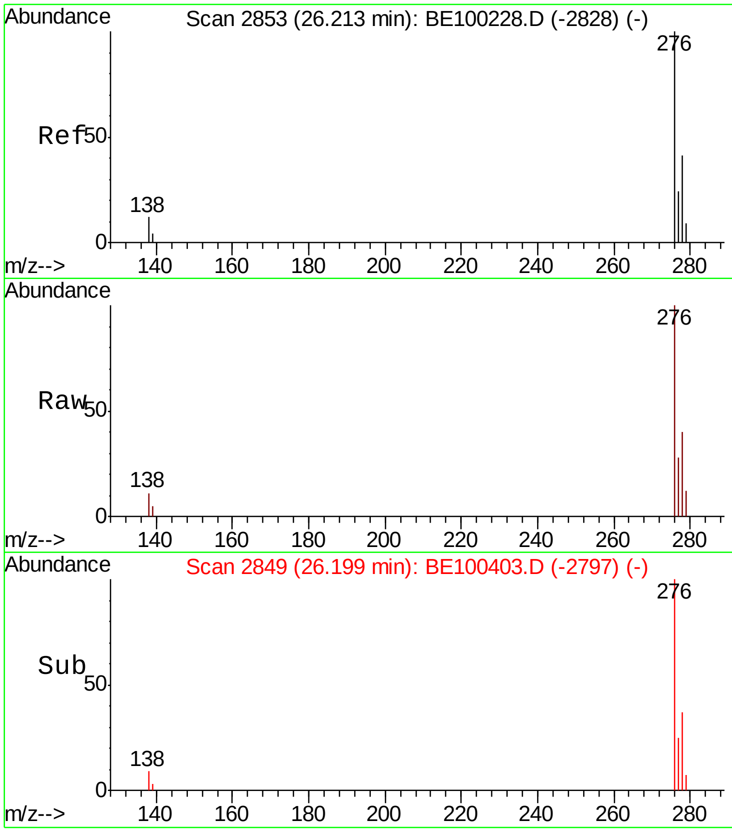


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.703 ng
RT: 21.14 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:149 Resp: 21310

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.8	8.8
279	1.5	1.1	1.7

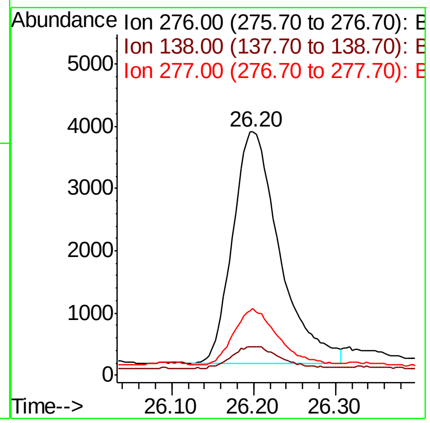


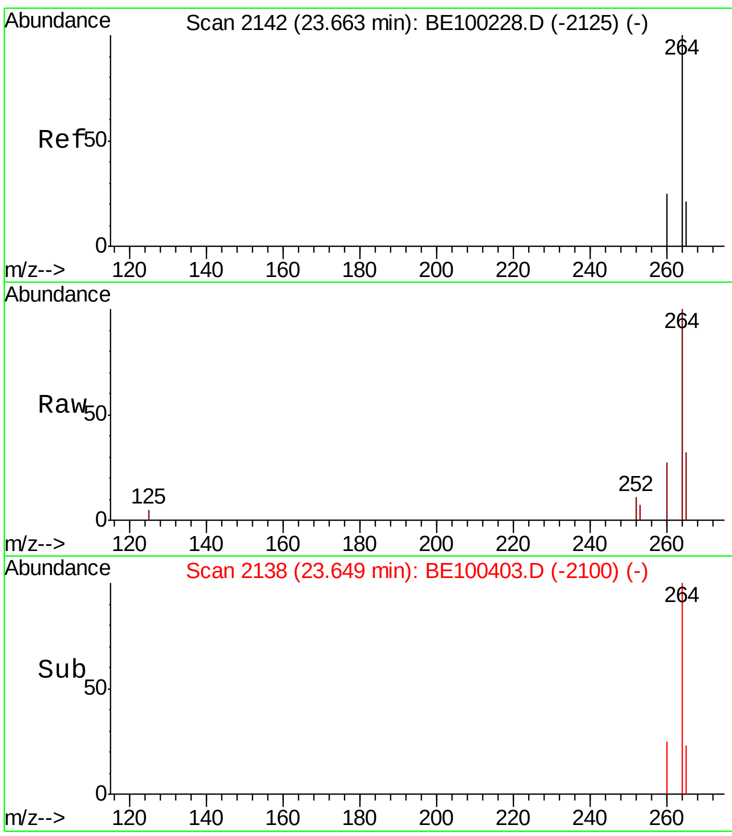


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.562 ng
RT: 26.20 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

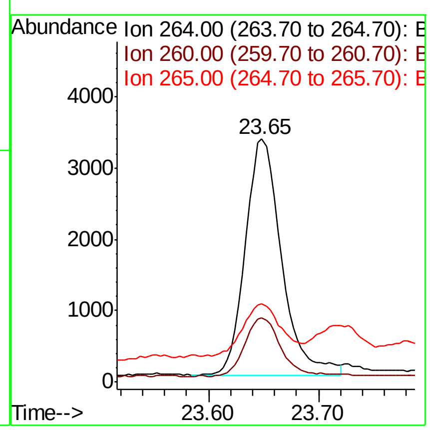
Tgt Ion:276	Resp:		14802
Ion	Ratio	Lower	Upper
276	100		
138	10.3	9.4	14.0
277	22.4	19.2	28.8

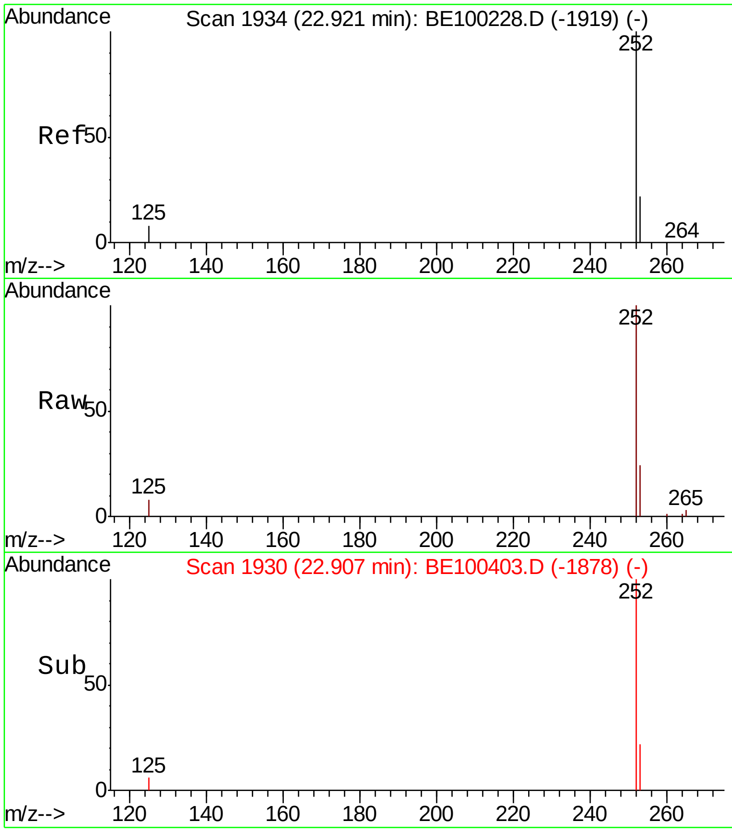




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:264	Resp:		7521
Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.8	31.2
265	32.0	21.8	32.6



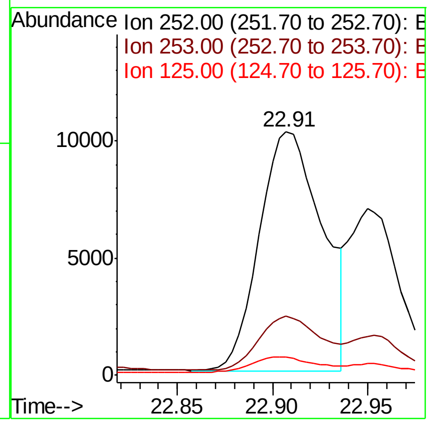


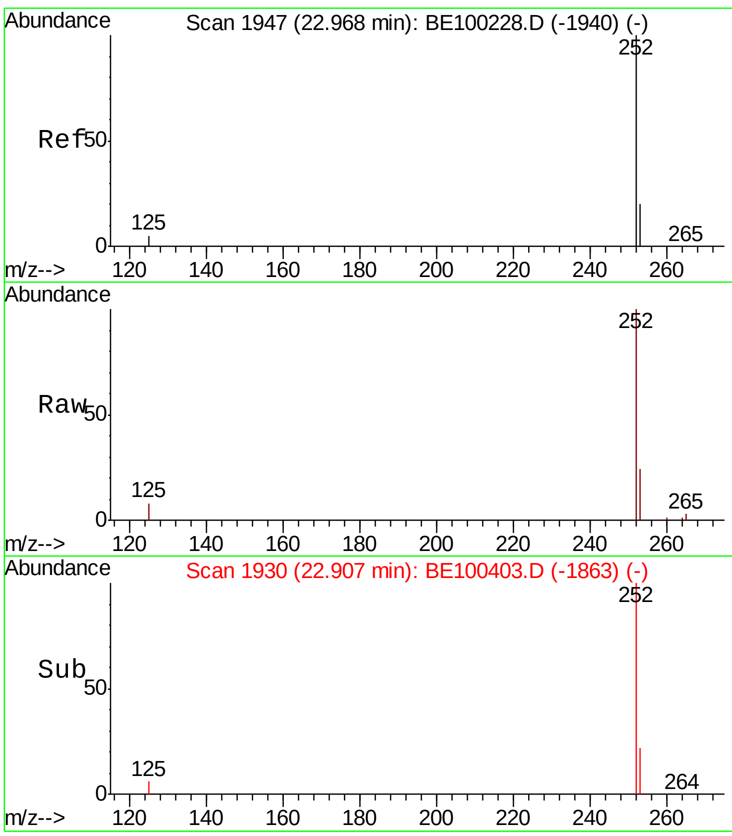
#35
Benzo(b)fluoranthene
Concen: 1.147 ng
RT: 22.91 min   Scan# 1930
Delta R.T.   -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:252 Resp: 23388

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.2	28.8
125	7.5	7.4	11.0

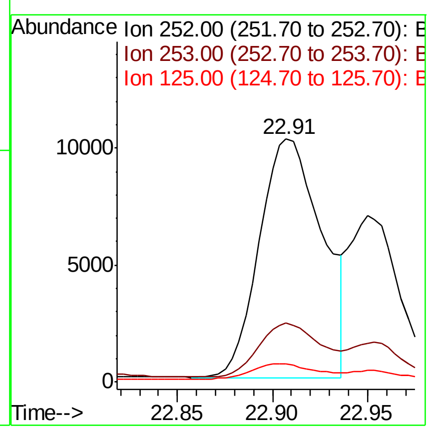


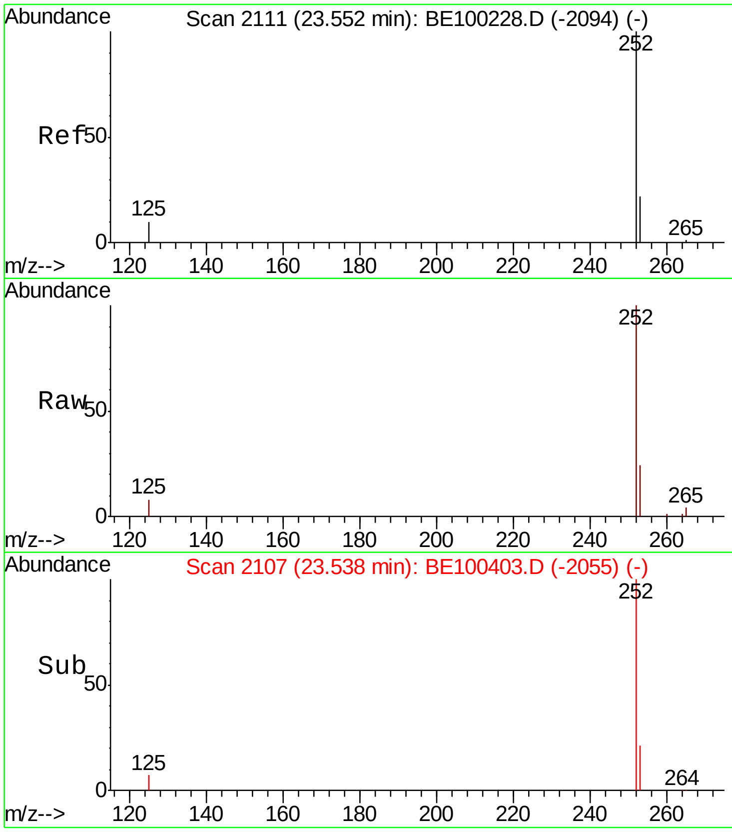


#36
Benzo(k)fluoranthene
Concen: 1.028 ng
RT: 22.91 min   Scan# 1930
Delta R.T.   -0.06 min
Lab File: BE100403.D
Acq: 6 Jul 2019   4:55

Tgt Ion:252 Resp: 23388

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	7.5	5.0	7.4#



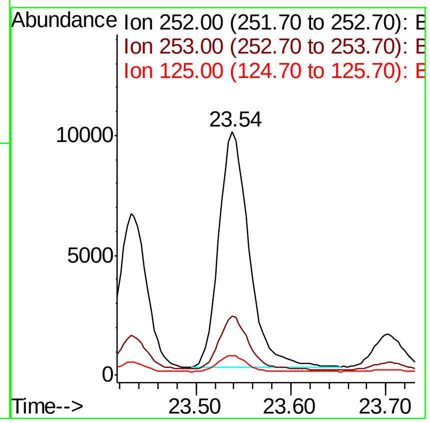


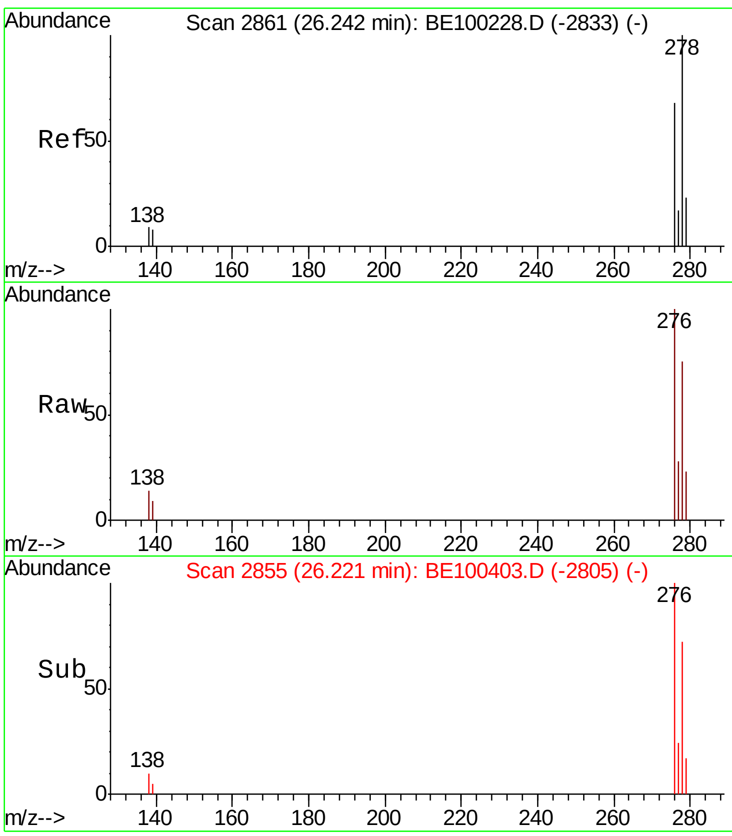
#37
Benzo(a)pyrene
Concen: 1.055 ng
RT: 23.54 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:252 Resp: 21562

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.6	29.4
125	8.3	9.0	13.6#

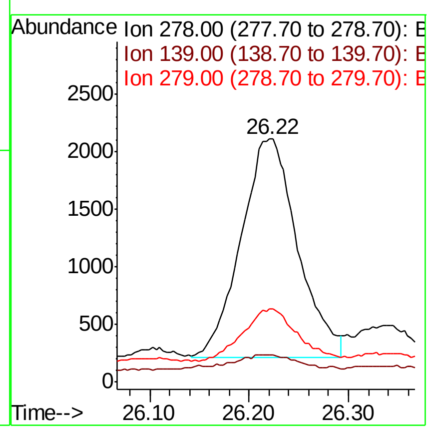


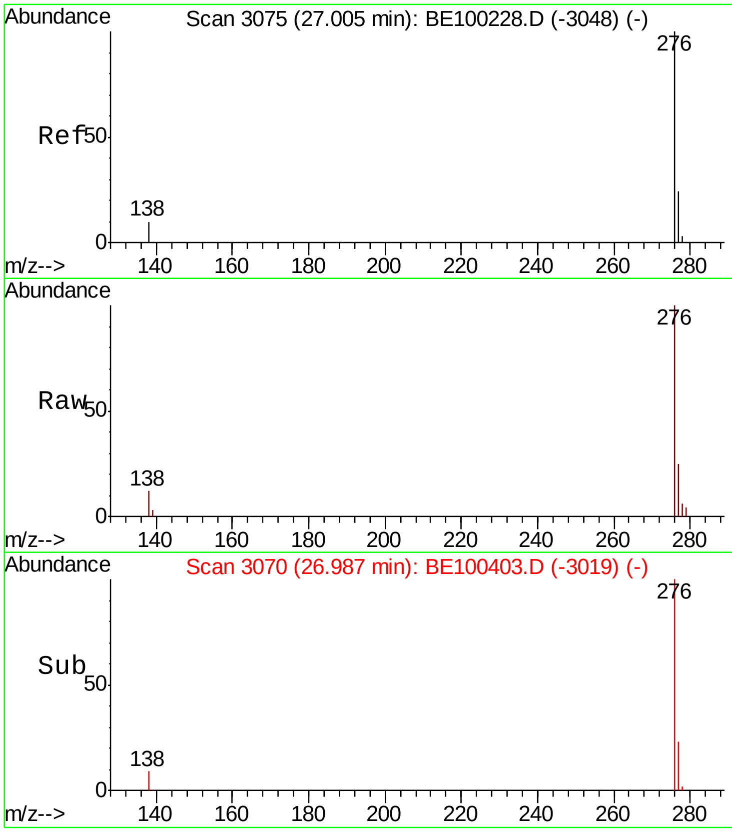


#38
Dibenzo(a,h)anthracene
Concen: 0.351 ng
RT: 26.22 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Tgt Ion:278 Resp: 7489

Ion	Ratio	Lower	Upper
278	100		
139	11.4	8.2	12.2
279	30.1	20.3	30.5





#39
Benzo(g,h,i)perylene
Concen: 0.735 ng
RT: 26.99 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BE100403.D
Acq: 6 Jul 2019 4:55

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MS

Tgt Ion:276 Resp: 16108

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.2	30.2
138	11.5	9.0	13.6