Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
Data File : BE100241.D
Acq On : 28 Jun 2019 19:01
Operator : JU/SJ
Sample : K3428-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : EXT-084-SW167-061319

Quant Time: Jun 29 00:01:19 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	7.64	152	635	0.40	ng		0.00
7) Naphthalene-d8	10.43	136	2211	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	2391	0.40	ng		0.00
19) Phenanthrene-d10	17.05	188	5888	0.40	ng		0.00
27) Chrysene-d12	21.26	240	16819	0.40	ng		0.01
34) Perylene-d12	23.69	264	18897	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	478	0.30	ng		0.00
5) Phenol-d6	6.83	99	643	0.30	ng		-0.01
8) Nitrobenzene-d5	8.81	82	652	0.30	ng		-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1661	0.40	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	466	0.28	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	2179	0.23	ng		-0.01
25) Fluoranthene-d10	19.10	212	34713	0.41	ng		0.00
29) Terphenyl-d14	19.70	244	8936	0.26	ng		0.00
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.45	42	39	0.085	ng	#	4
6) bis(2-Chloroethyl)ether	7.06	93	83	0.047	ng	#	57
9) Naphthalene	10.48	128	81573	3.345	ng	#	97
12) 2-Methylnaphthalene	12.11	142	18076	4.224	ng		98
16) Acenaphthylene	14.04	152	230329	20.074	ng		99
17) Acenaphthene	14.38	154	13553	2.084	ng		90
18) Fluorene	15.35	166	69366	7.214	ng	#	85
20) 4-Bromophenyl-phenylether	16.29	248	17	0.005	ng	#	1
21) Hexachlorobenzene	16.36	284	18	0.005	ng	#	1
22) Pentachlorophenol	16.72	266	58	0.049	ng	#	83
23) Phenanthrene	17.11	178	1241534	86.999	ng		98
24) Anthracene	17.19	178	175553	13.661	ng	#	93
26) Fluoranthene	19.14	202	1884303	82.897	ng	#	96
28) Pyrene	19.51	202	3117316	70.007	ng	#	93
30) Benzo(a)anthracene	21.23	228	1600460	28.941	ng	#	91
31) Chrysene	21.29	228	1972767	35.526	ng		92
32) Bis(2-ethylhexyl)phthalate	21.16	149	16612	0.155	ng	#	91
33) Indeno(1,2,3-cd)pyrene	26.27	276	905573	12.329	ng	#	95
35) Benzo(b)fluoranthene	22.95	252	1525357	29.772	ng	#	95
36) Benzo(k)fluoranthene	23.13	252	318488	5.569	ng		93
37) Benzo(a)pyrene	23.59	252	1389929	27.068	ng	#	92
38) Dibenzo(a,h)anthracene	26.28	278	278208	5.188	ng	#	87
39) Benzo(g,h,i)perylene	27.08	276	1080298	19.609	ng	#	97

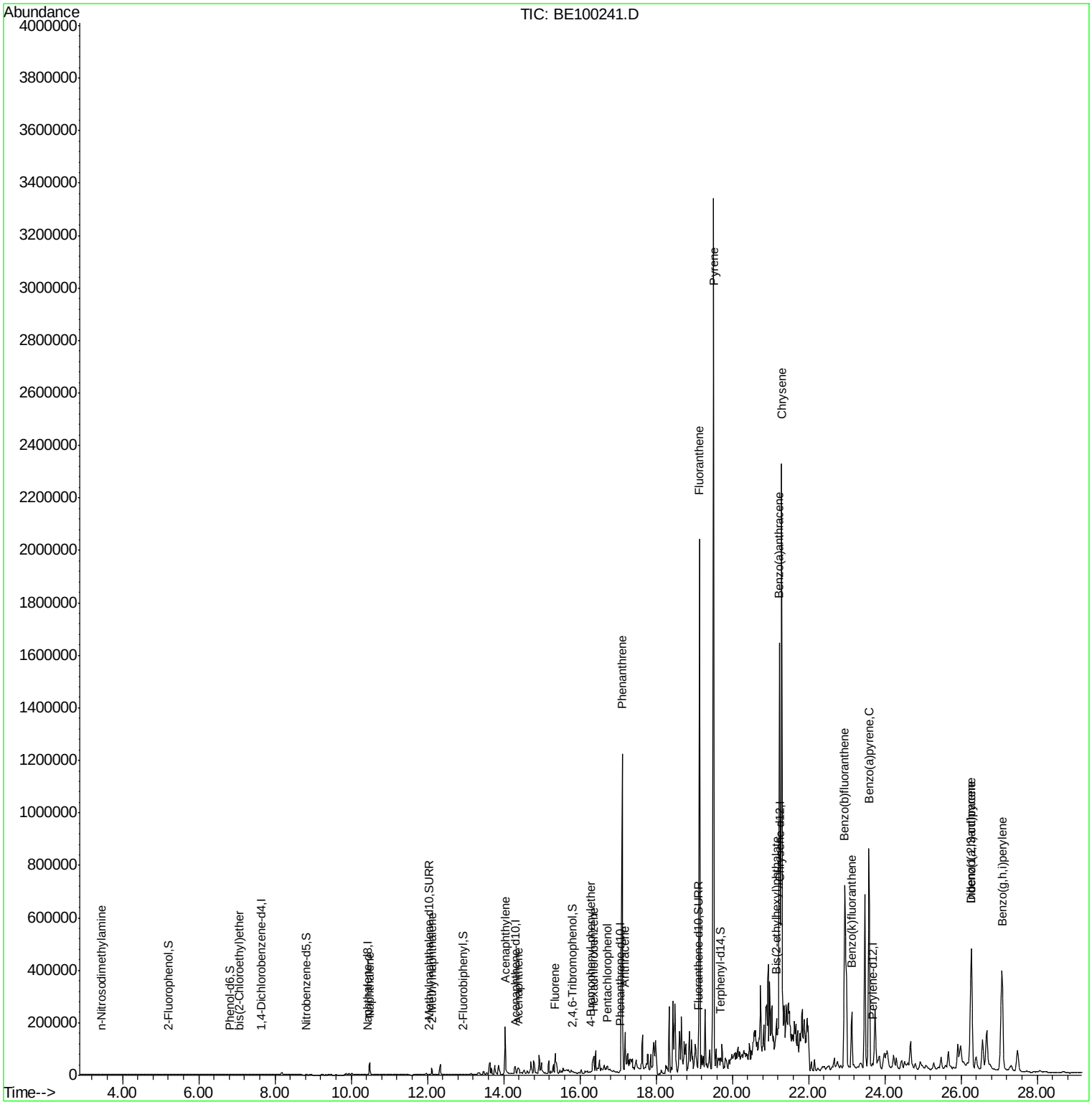
(#) = qualifier out of range (m) = manual integration (+) = signals summed

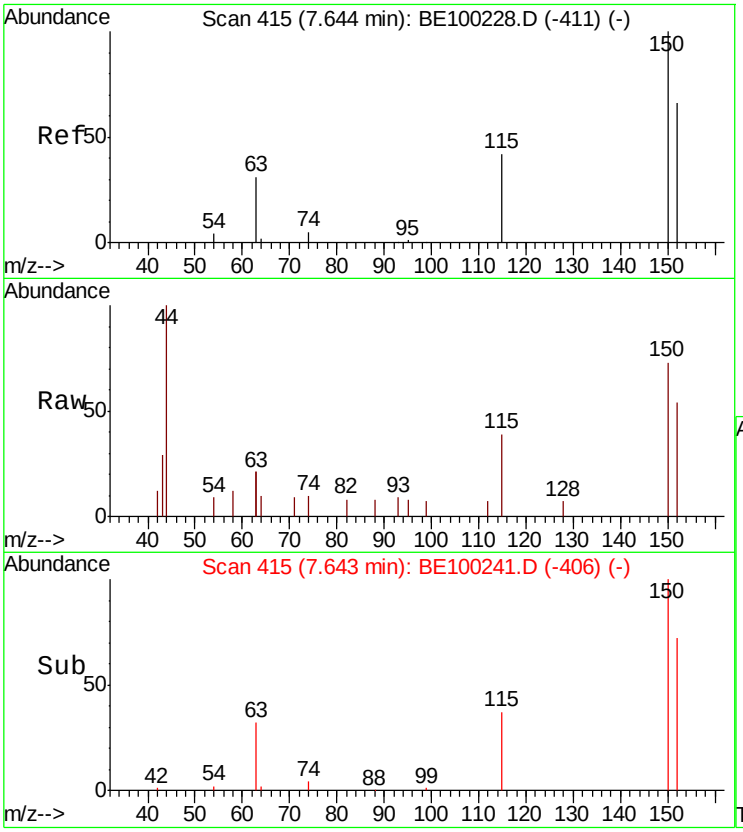
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
Data File : BE100241.D
Acq On : 28 Jun 2019 19:01
Operator : JU/SJ
Sample : K3428-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Quant Time: Jun 29 00:01:19 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



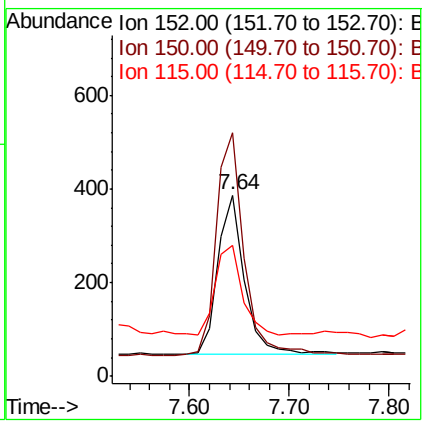


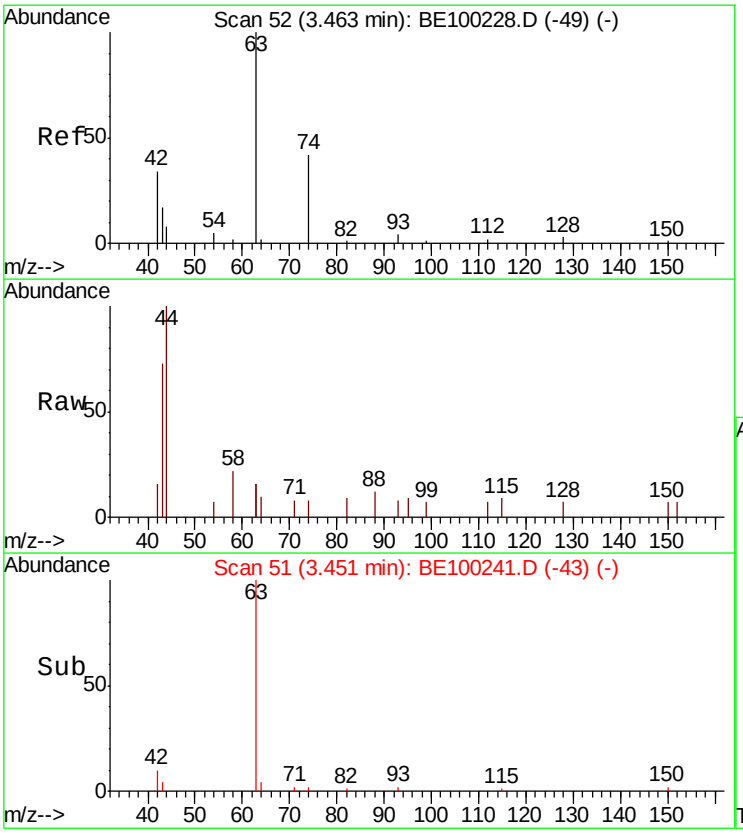
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:152 Resp: 635

Ion	Ratio	Lower	Upper
152	100		
150	134.4	114.5	171.7
115	72.4	57.1	85.7

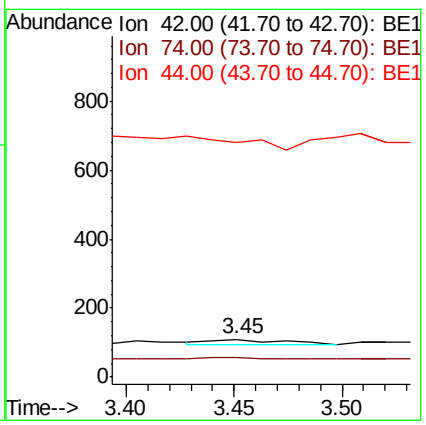


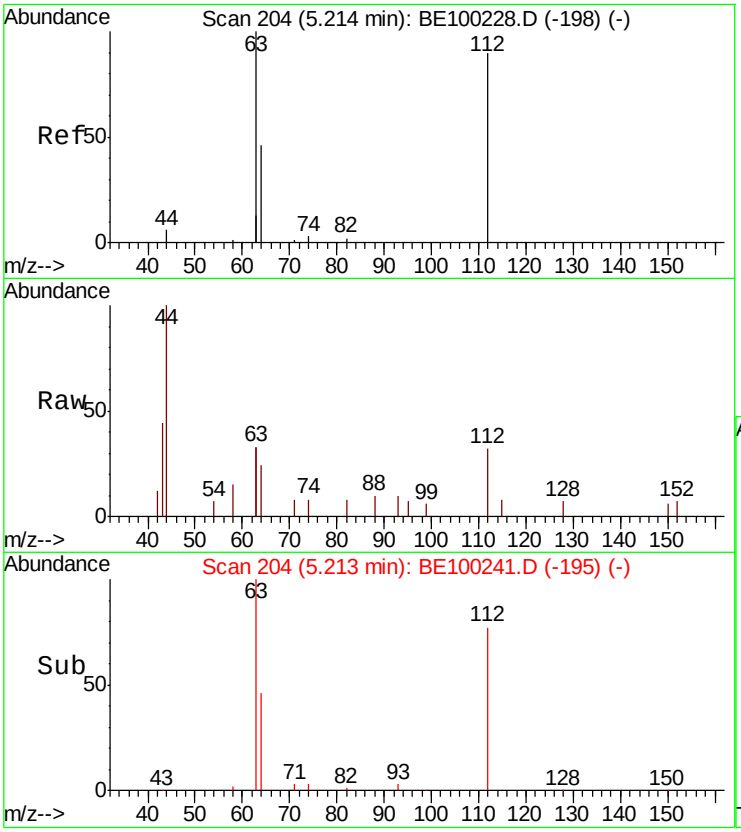


#3
n-Nitrosodimethylamine
Concen: 0.085 ng
RT: 3.45 min Scan# 51
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion: 42 Resp: 39

Ion	Ratio	Lower	Upper
42	100		
74	25.6	130.6	196.0#
44	0.0	38.0	57.0#



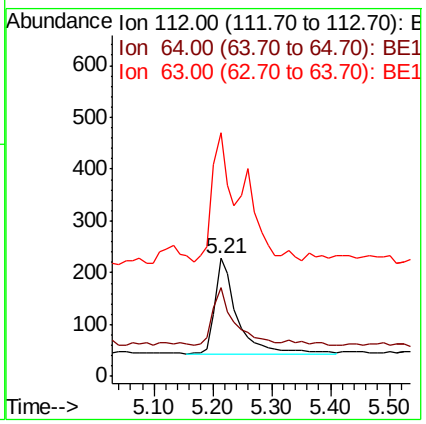


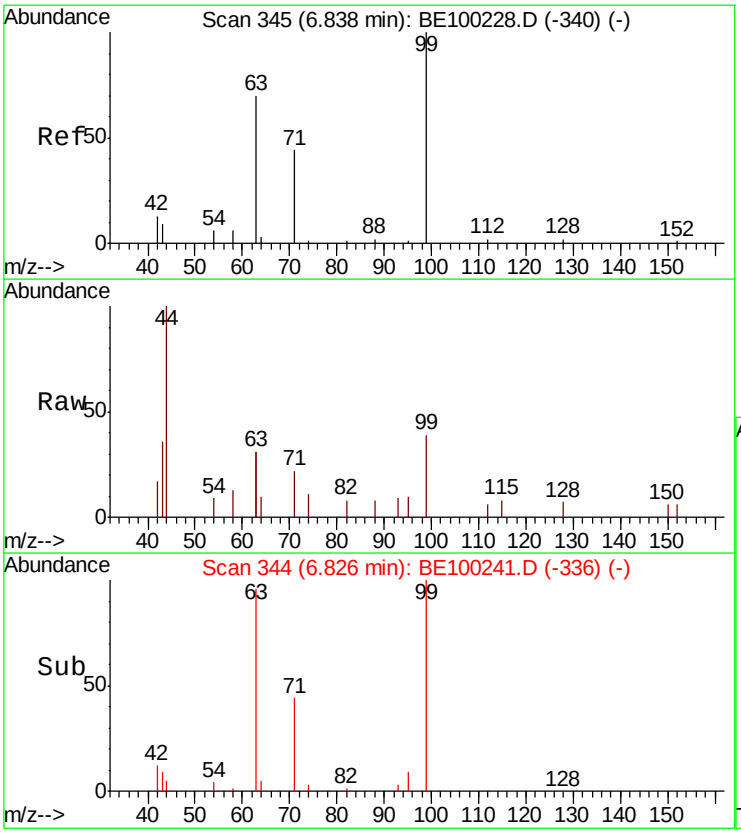
#4
2-Fluorophenol
Concen: 0.295 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:112 Resp: 478

Ion	Ratio	Lower	Upper
112	100		
64	59.4	39.4	59.0#
63	105.2	104.5	156.7

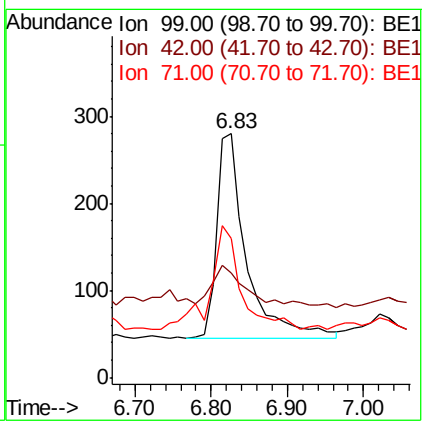


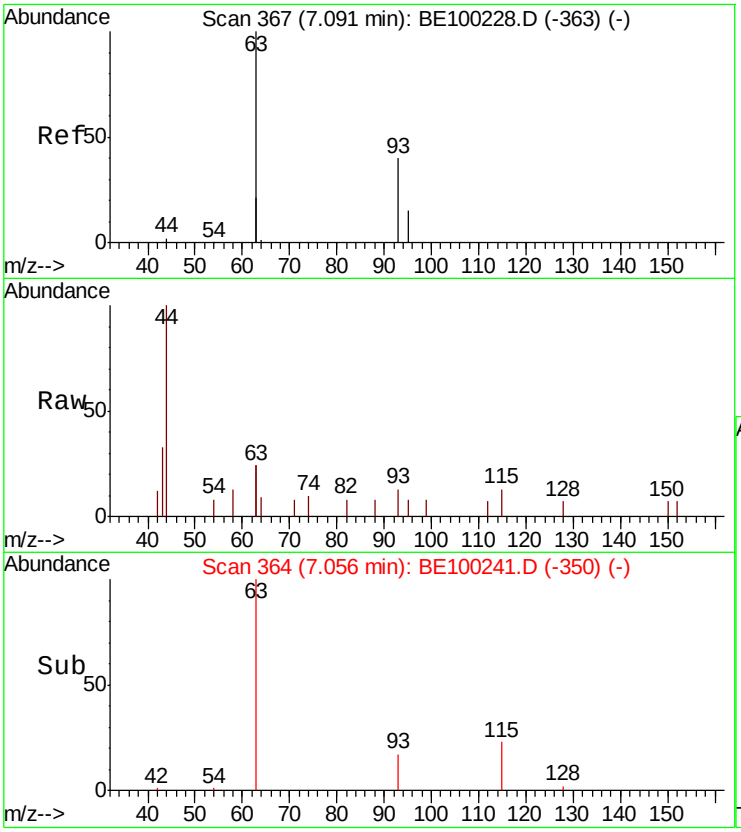


#5
Phenol-d6
Concen: 0.302 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion: 99 Resp: 643

Ion	Ratio	Lower	Upper
99	100		
42	23.8	11.2	16.8#
71	46.3	37.2	55.8



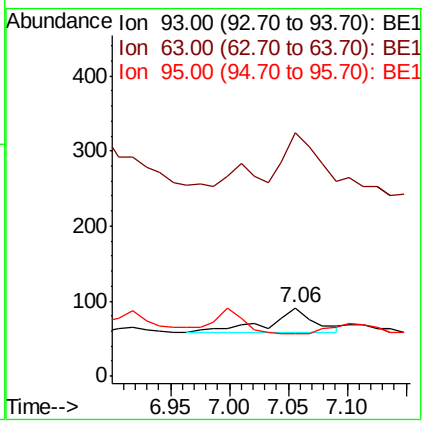


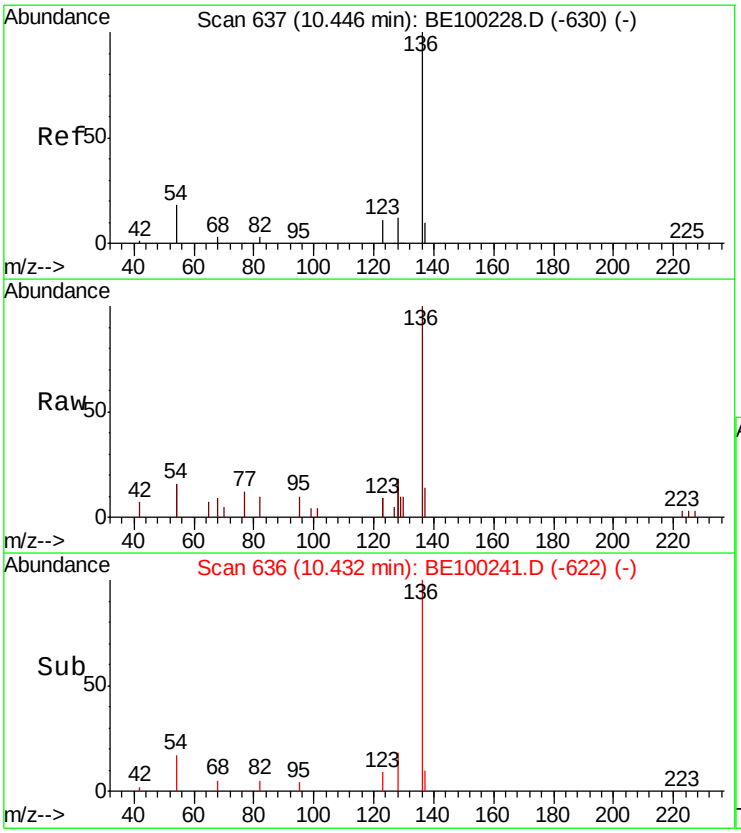
#6
bis(2-Chloroethyl)ether
Concen: 0.047 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.04 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion: 93 Resp: 83

Ion	Ratio	Lower	Upper
93	100		
63	256.6	155.6	233.4#
95	0.0	23.0	34.4#

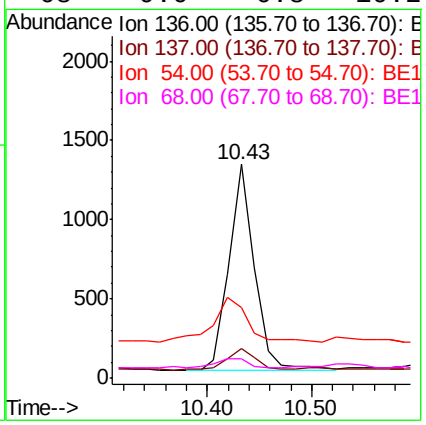


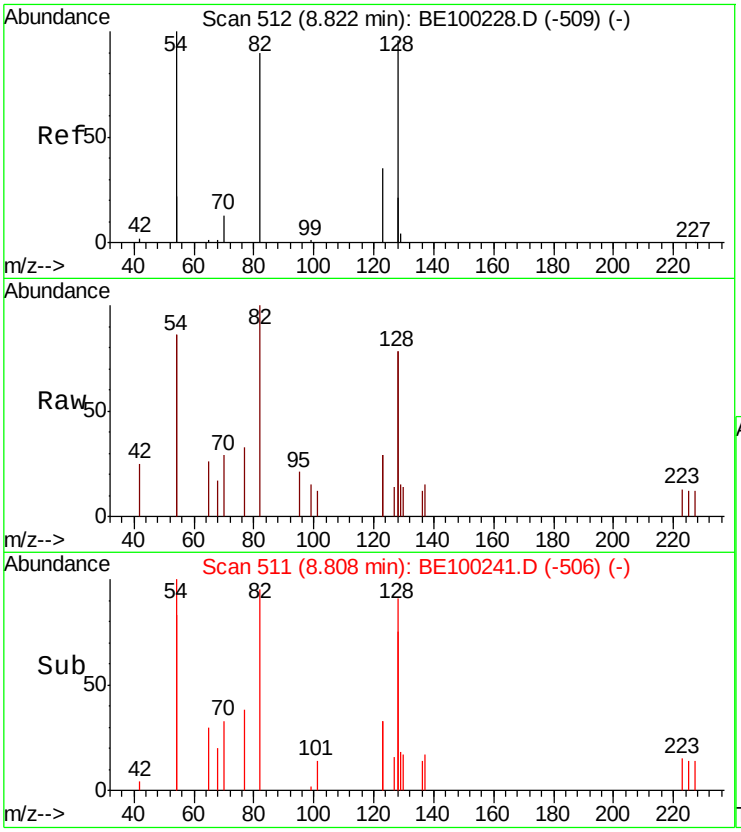


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:136 Resp: 2211

Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.8	17.8
54	32.9	27.7	41.5
68	9.0	6.8	10.2



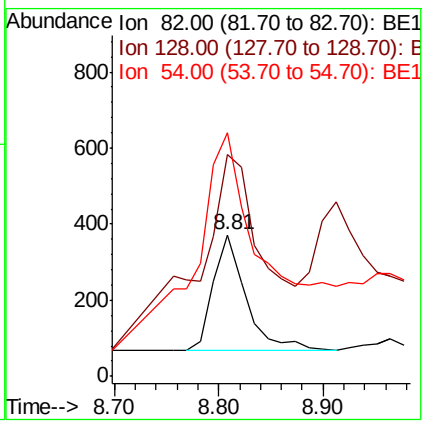


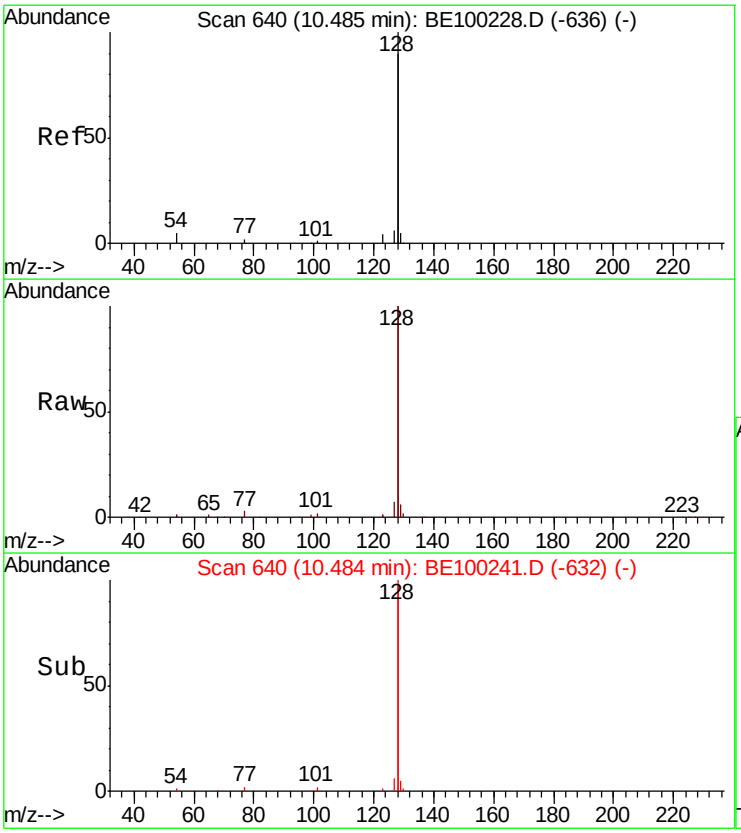
#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 8.81 min Scan# 511
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion: 82 Resp: 652

Ion	Ratio	Lower	Upper
82	100		
128	157.0	140.9	211.3
54	172.0	146.2	219.2

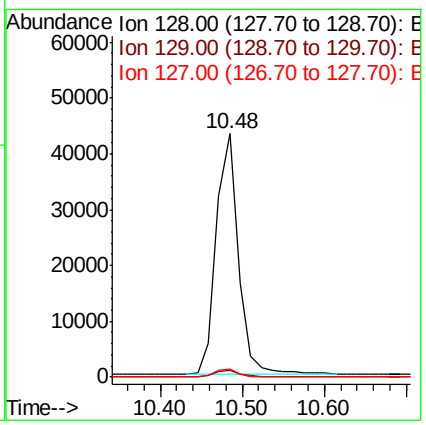


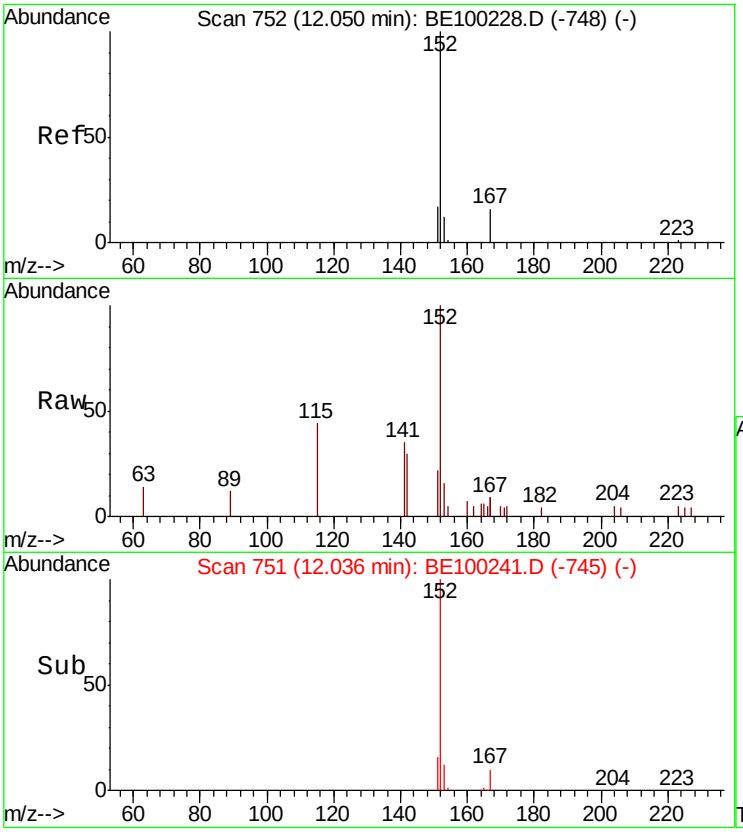


#9
Naphthalene
Concen: 3.345 ng
RT: 10.48 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:128 Resp: 81573

Ion	Ratio	Lower	Upper
128	100		
129	3.1	3.0	4.6
127	3.3	3.5	5.3#



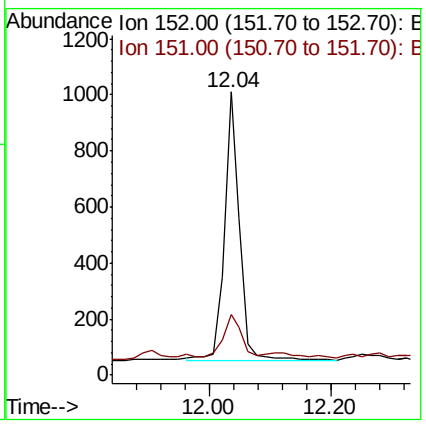


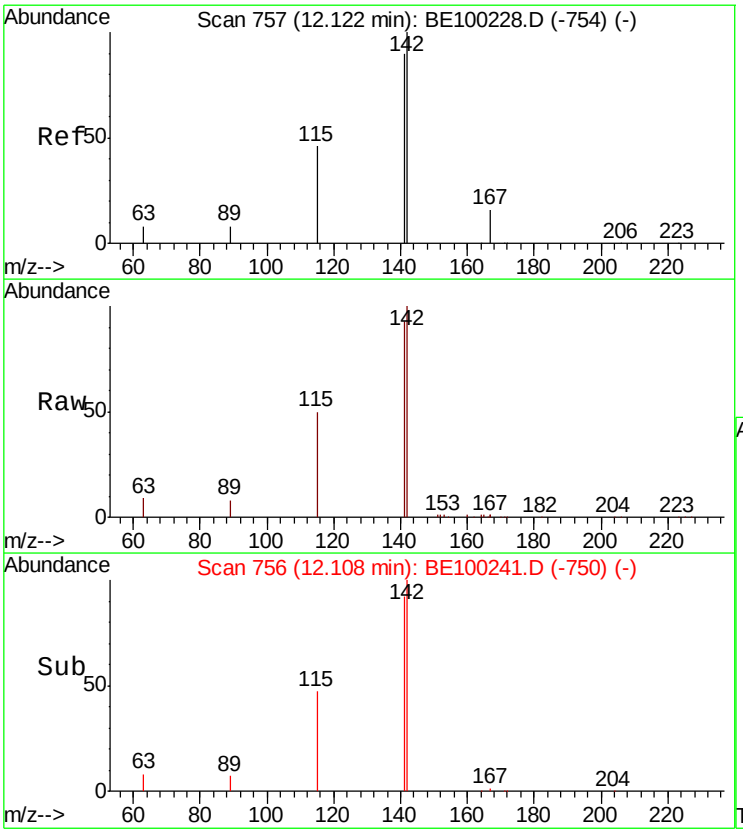
#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:152 Resp: 1661

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.1	22.7

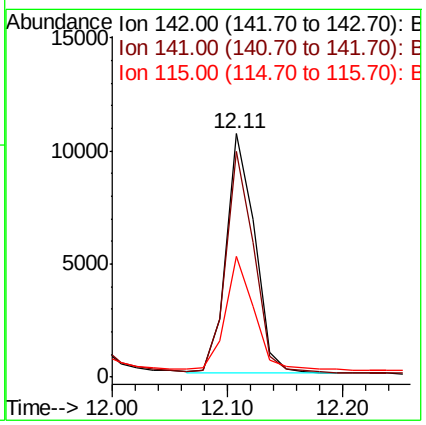


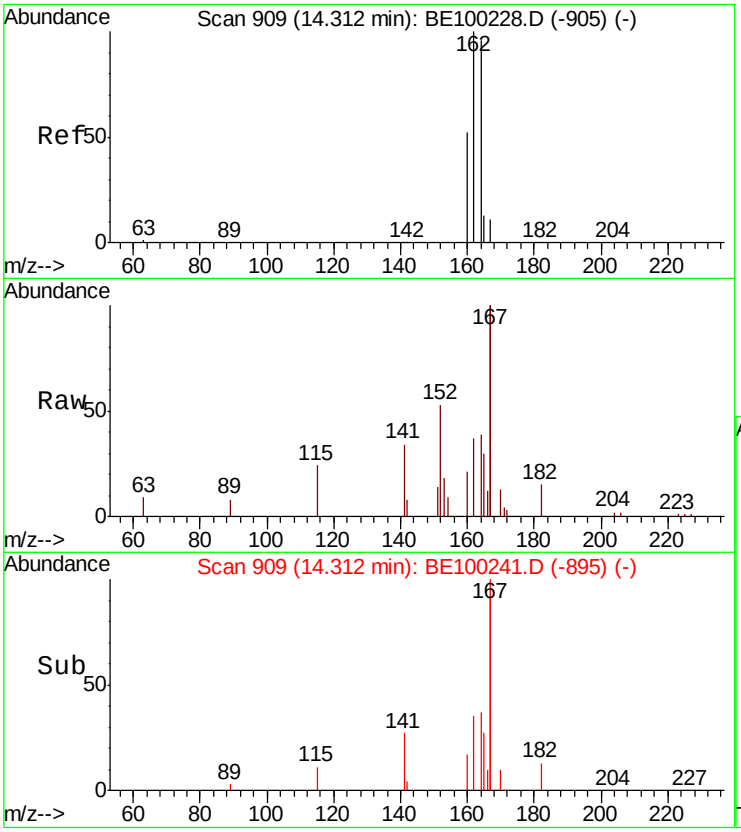


#12
2-Methylnaphthalene
Concen: 4.224 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:142 Resp: 18076

Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.4	108.6
115	49.6	40.4	60.6



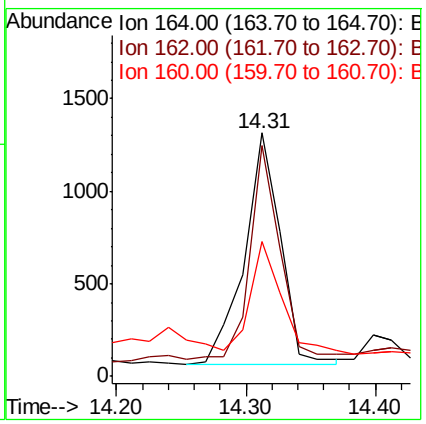


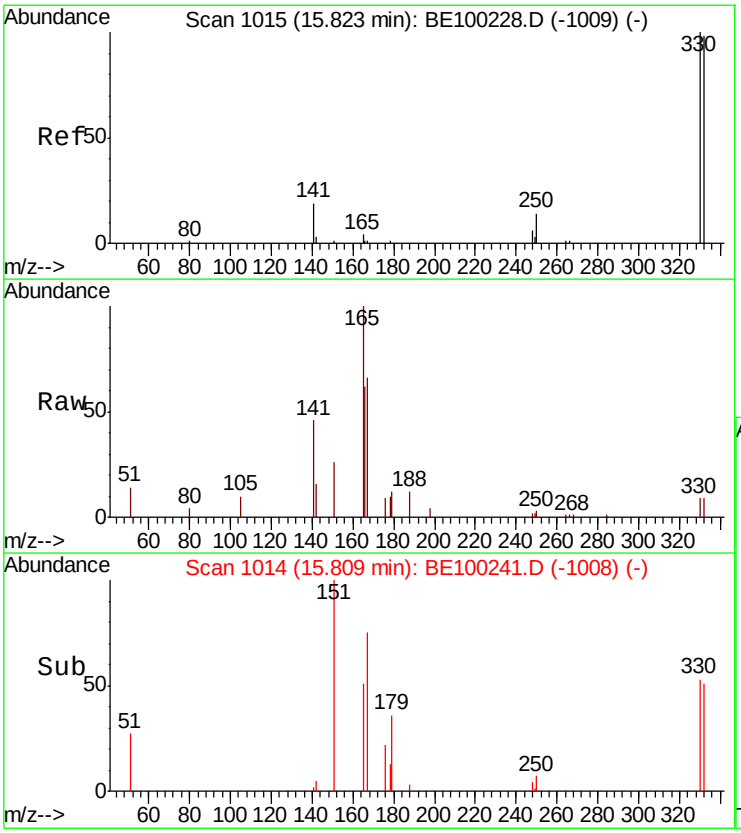
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:164 Resp: 2391

Ion	Ratio	Lower	Upper
164	100		
162	95.0	83.4	125.0
160	55.2	45.0	67.6

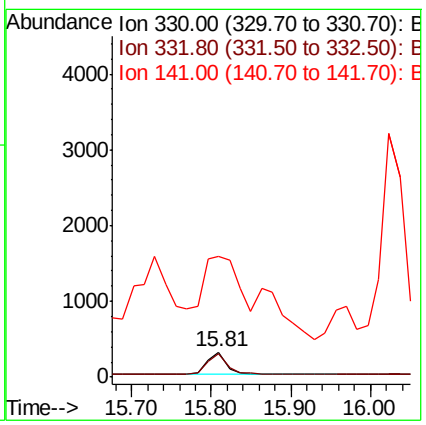


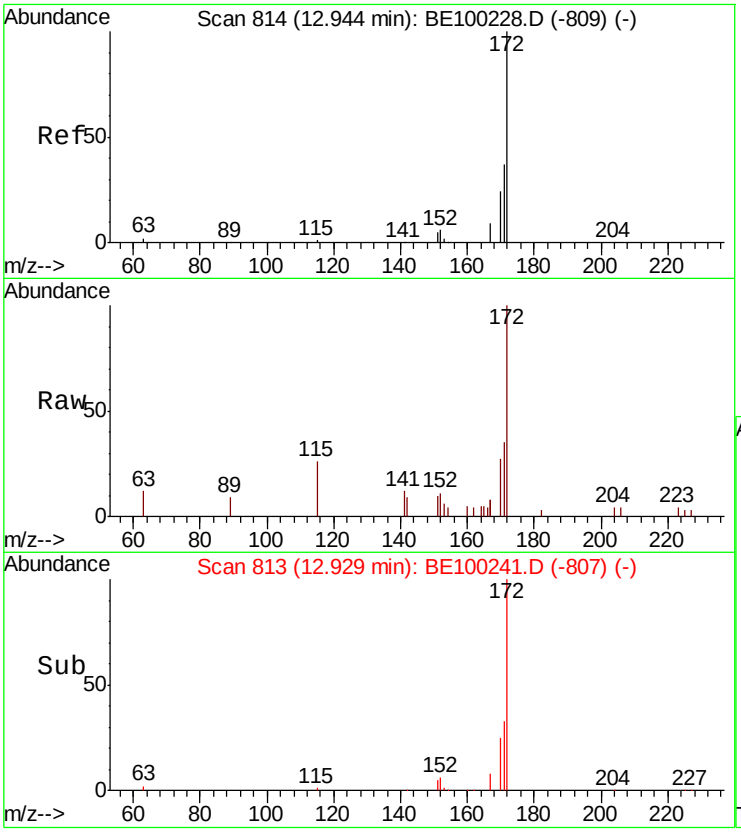


#14
2,4,6-Tribromophenol
Concen: 0.279 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:330 Resp: 466

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.4
141	424.7	22.0	33.0#



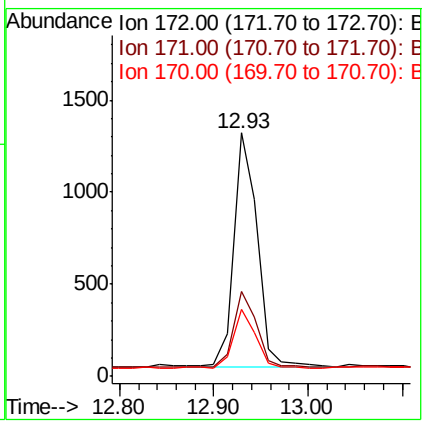


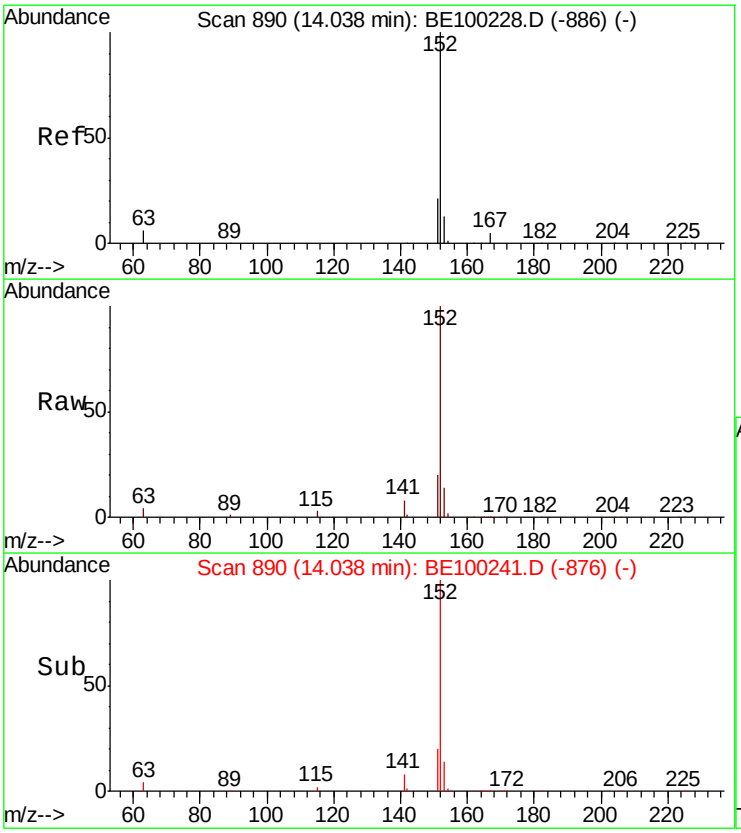
#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:172 Resp: 2179

Ion	Ratio	Lower	Upper
172	100		
171	34.9	31.9	47.9
170	27.2	22.2	33.2

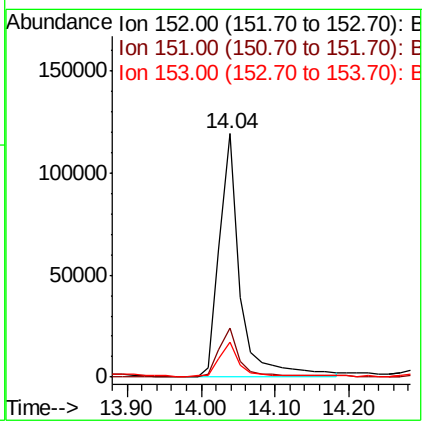


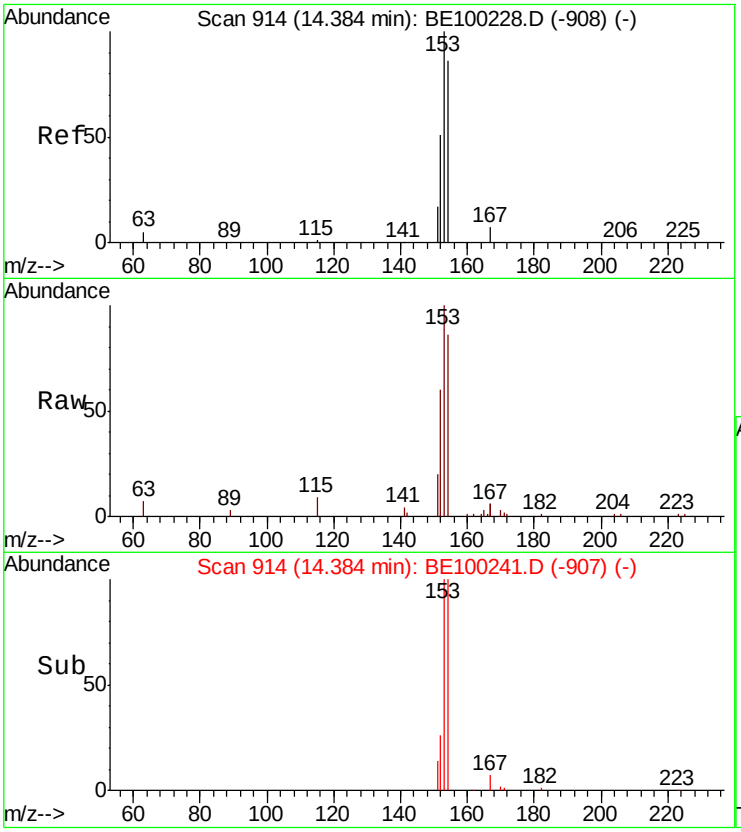


#16
Acenaphthylene
Concen: 20.074 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:152 Resp: 230329

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	13.7	10.5	15.7



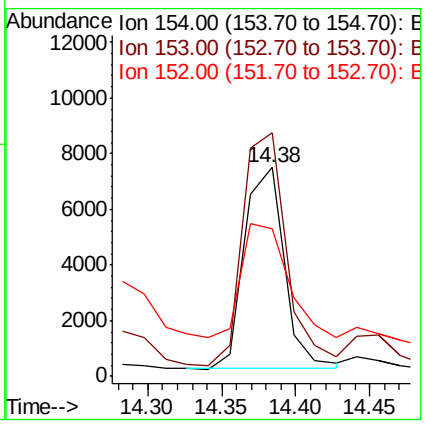


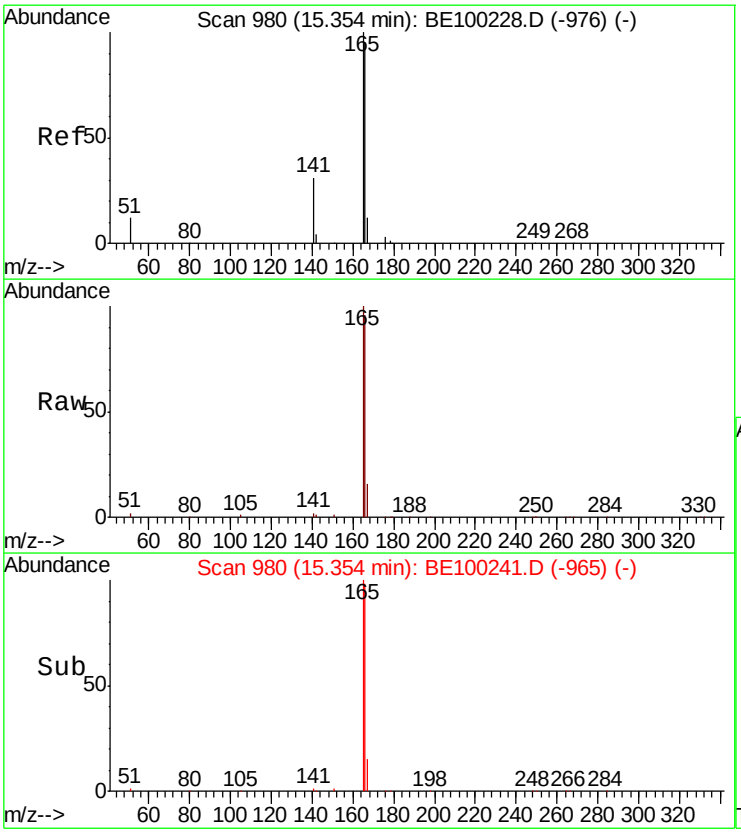
#17
Acenaphthene
Concen: 2.084 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:154 Resp: 13553

Ion	Ratio	Lower	Upper
154	100		
153	126.1	93.4	140.2
152	72.6	49.4	74.2

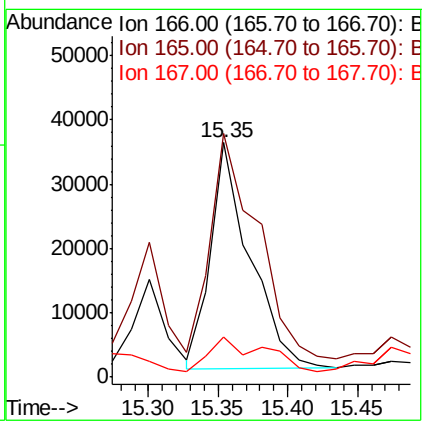


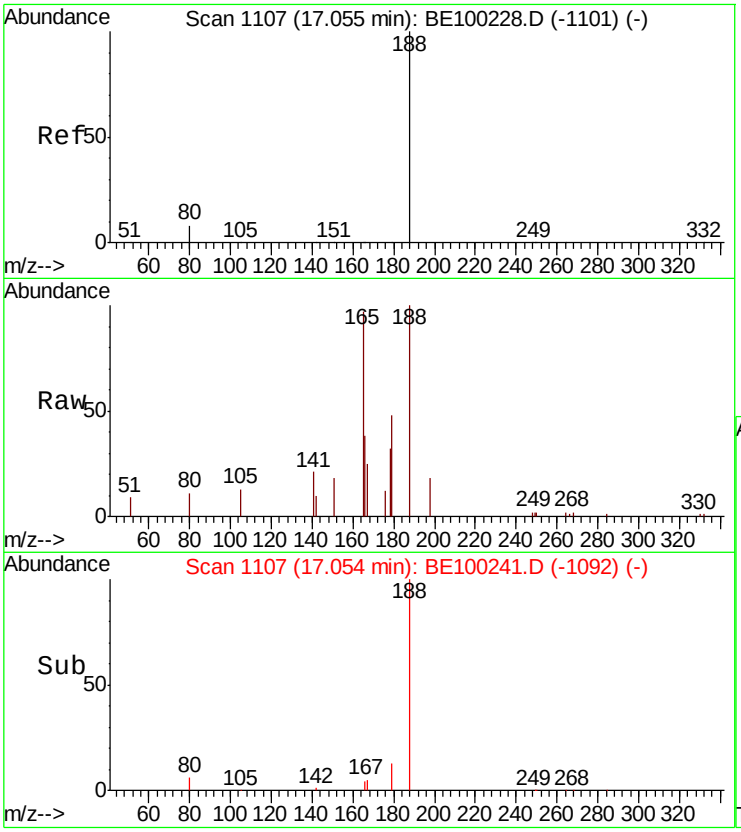


#18
Fluorene
Concen: 7.214 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:166 Resp: 69366

Ion	Ratio	Lower	Upper
166	100		
165	116.6	81.1	121.7
167	20.8	10.7	16.1#



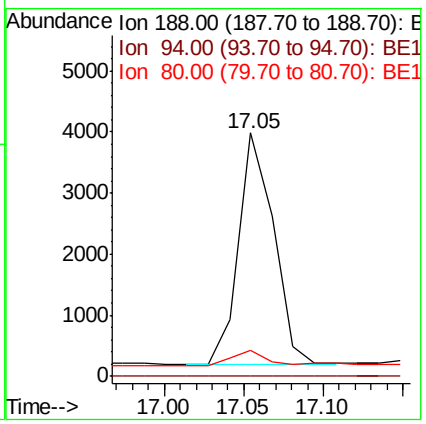


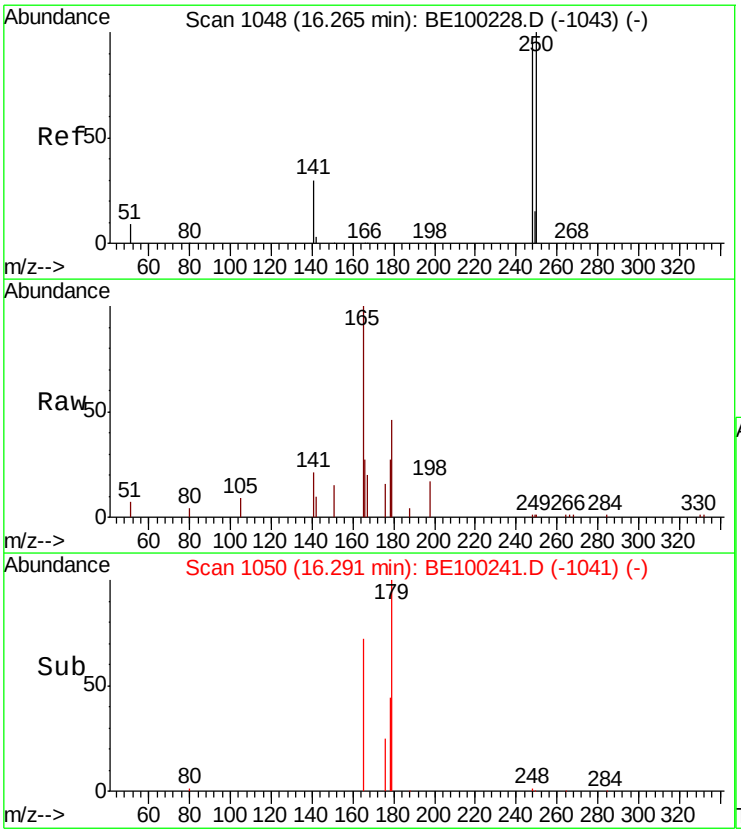
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:188 Resp: 5888

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	7.6	11.4

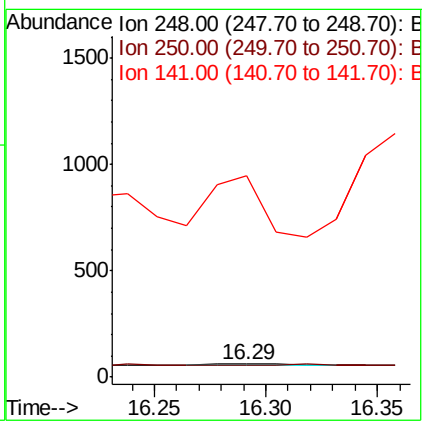


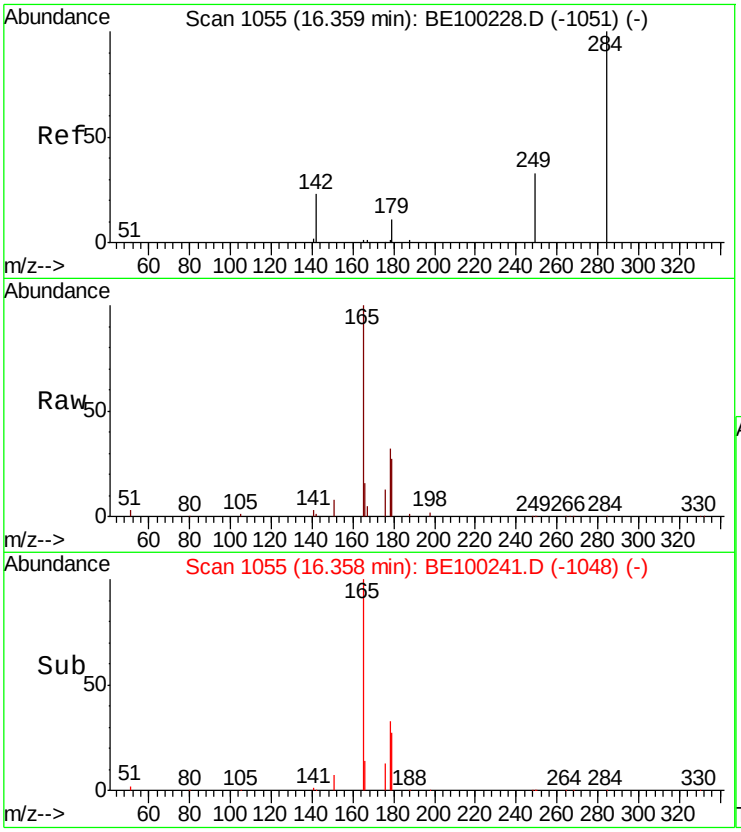


#20
4-Bromophenyl-phenylether
Concen: 0.005 ng
RT: 16.29 min Scan# 1050
Delta R.T. 0.03 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:248 Resp: 17

Ion	Ratio	Lower	Upper
248	100		
250	88.7	84.2	126.4
141	1529.0	29.3	43.9#



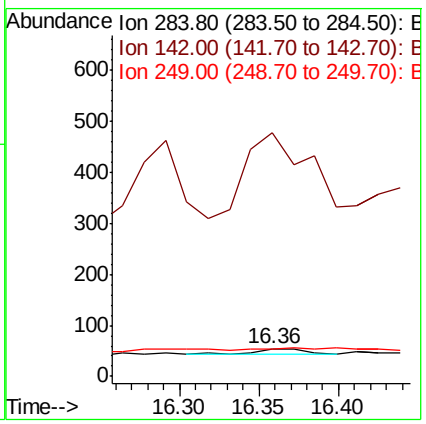


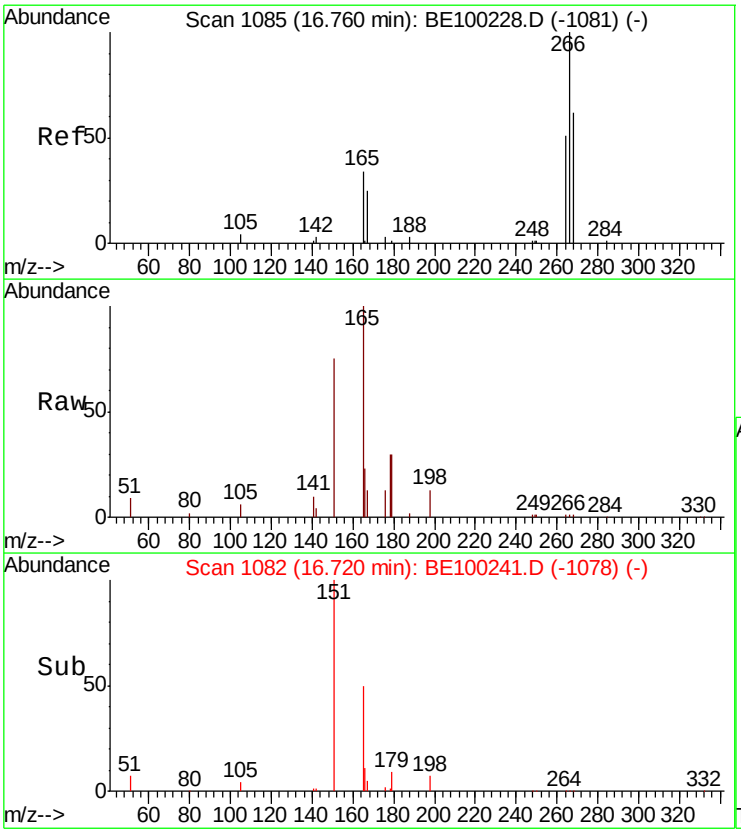
#21
Hexachlorobenzene
Concen: 0.005 ng
RT: 16.36 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:284 Resp: 18

Ion	Ratio	Lower	Upper
284	100		
142	2572.2	18.8	28.2#
249	50.0	23.7	35.5#

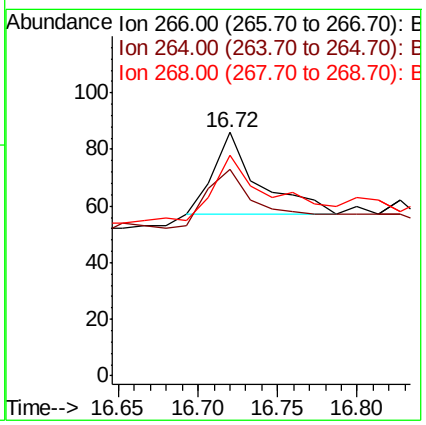


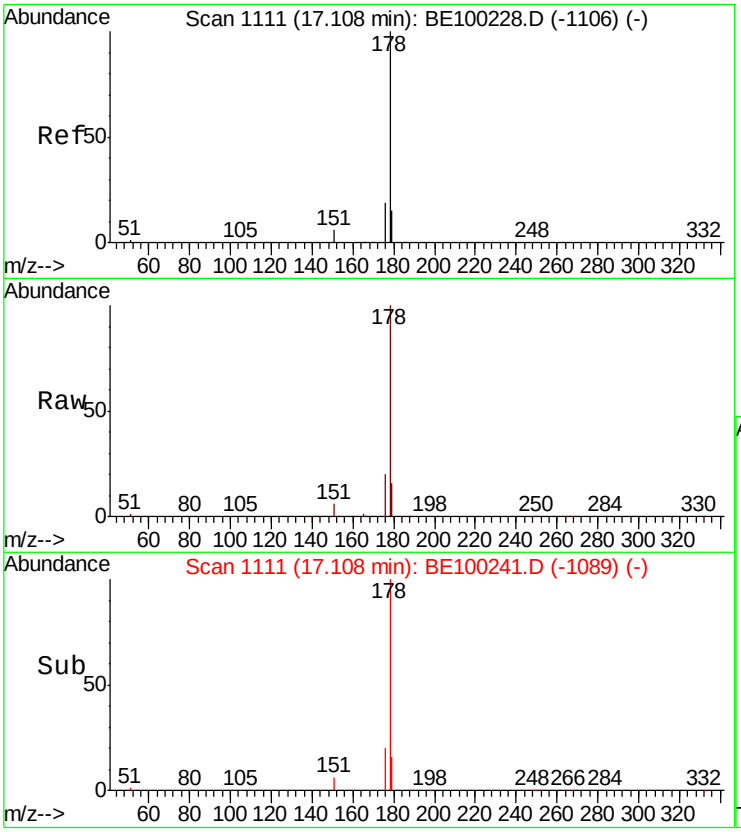


#22
Pentachlorophenol
Concen: 0.049 ng
RT: 16.72 min Scan# 1082
Delta R.T. -0.04 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:266 Resp: 58

Ion	Ratio	Lower	Upper
266	100		
264	84.9	56.2	84.2#
268	90.7	61.8	92.6



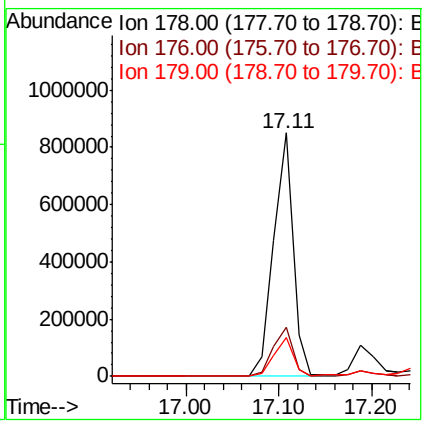


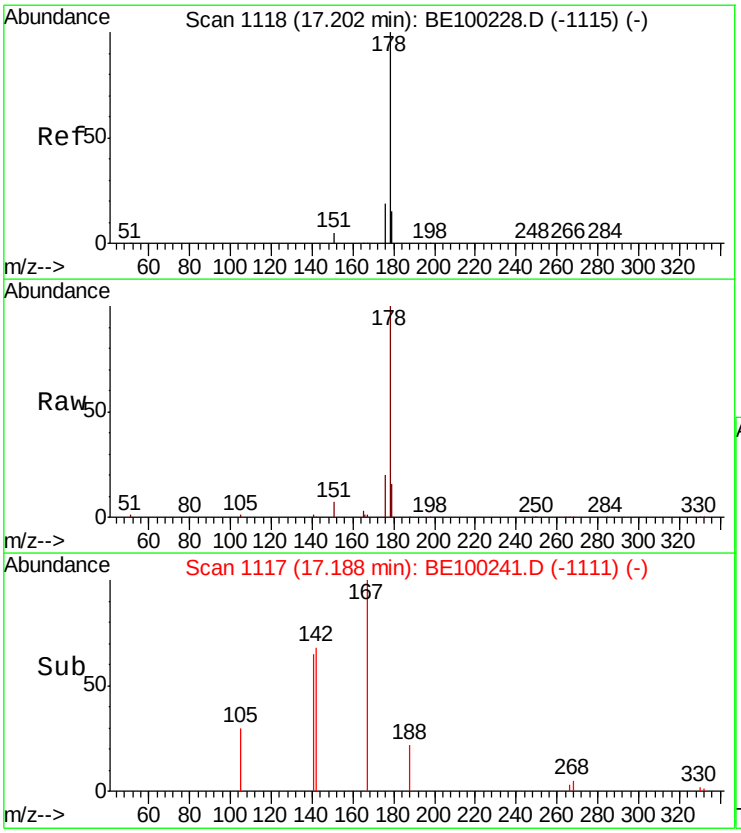
#23
Phenanthrene
Concen: 86.999 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:178 Resp: 1241534

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.9	23.9
179	16.1	12.2	18.2

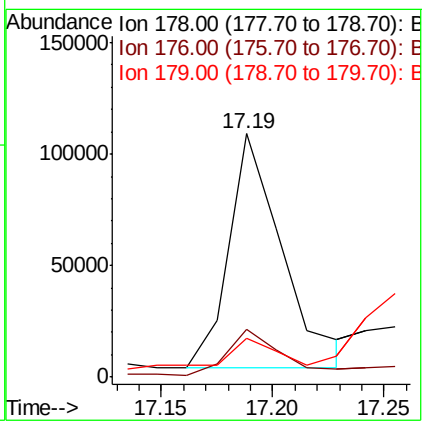


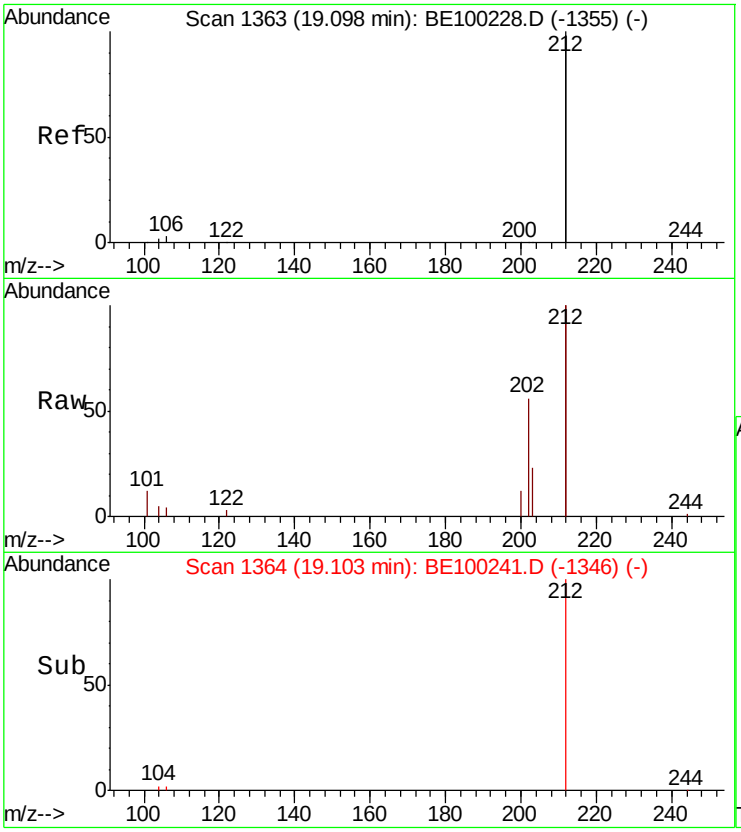


#24
Anthracene
Concen: 13.661 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:178 Resp: 175553

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	8.9	12.2	18.2#



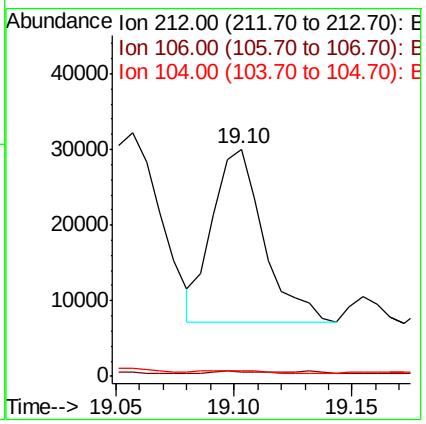


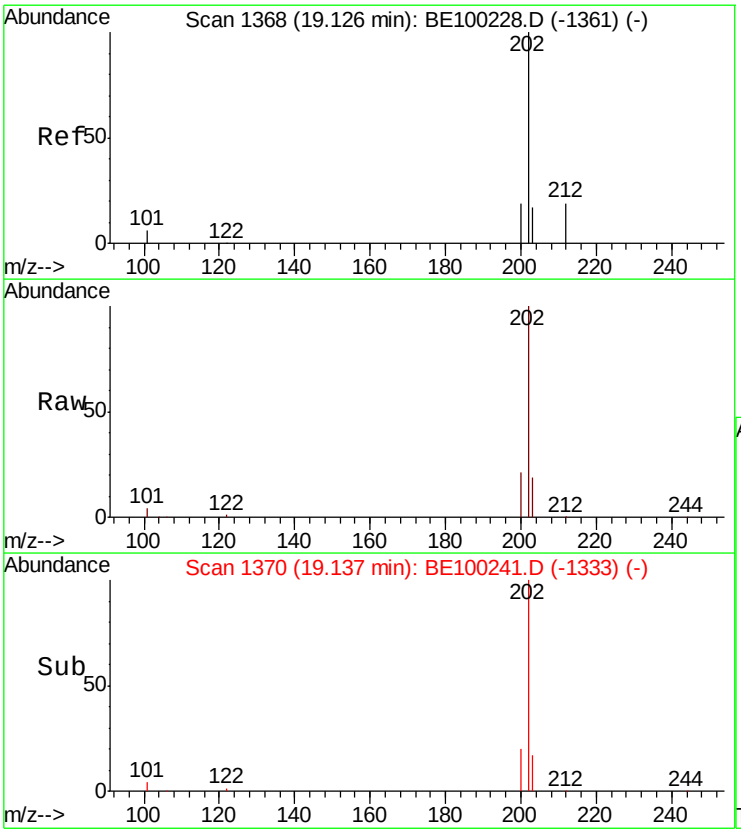
#25
Fluoranthene-d10
Concen: 0.406 ng
RT: 19.10 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:212 Resp: 34713

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

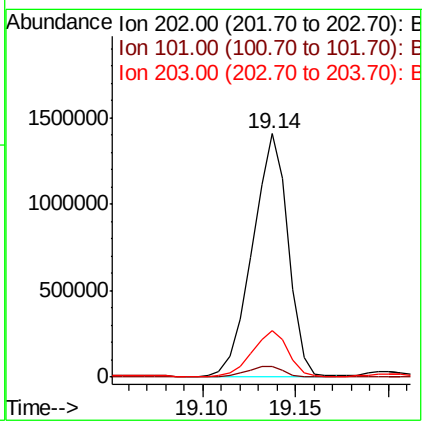


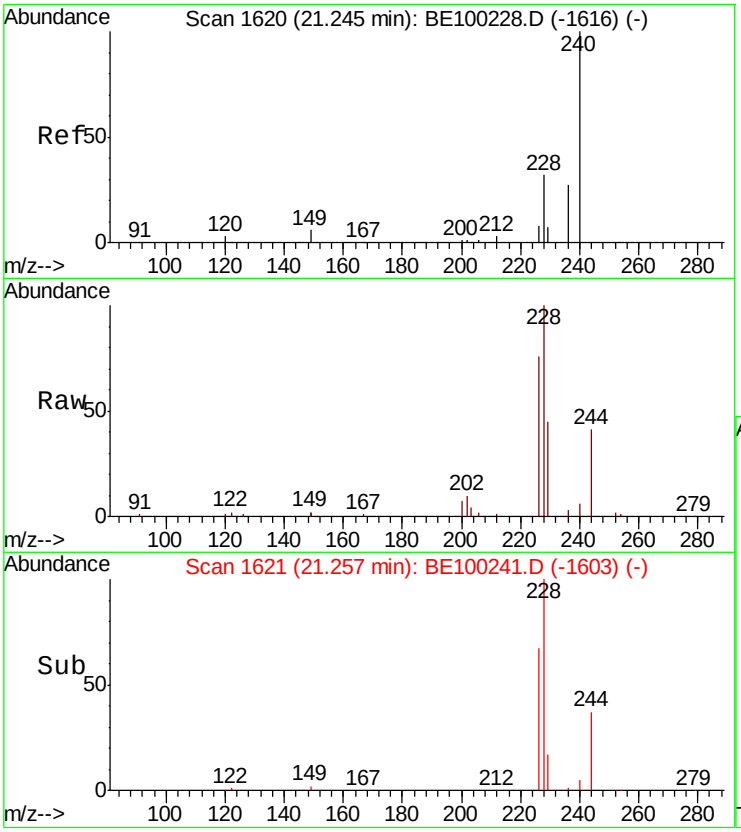


#26
Fluoranthene
Concen: 82.897 ng
RT: 19.14 min Scan# 1370
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:202 Resp: 1884303

Ion	Ratio	Lower	Upper
202	100		
101	4.6	4.6	7.0#
203	19.0	13.7	20.5



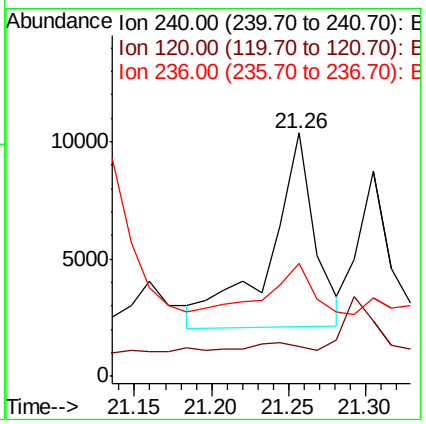


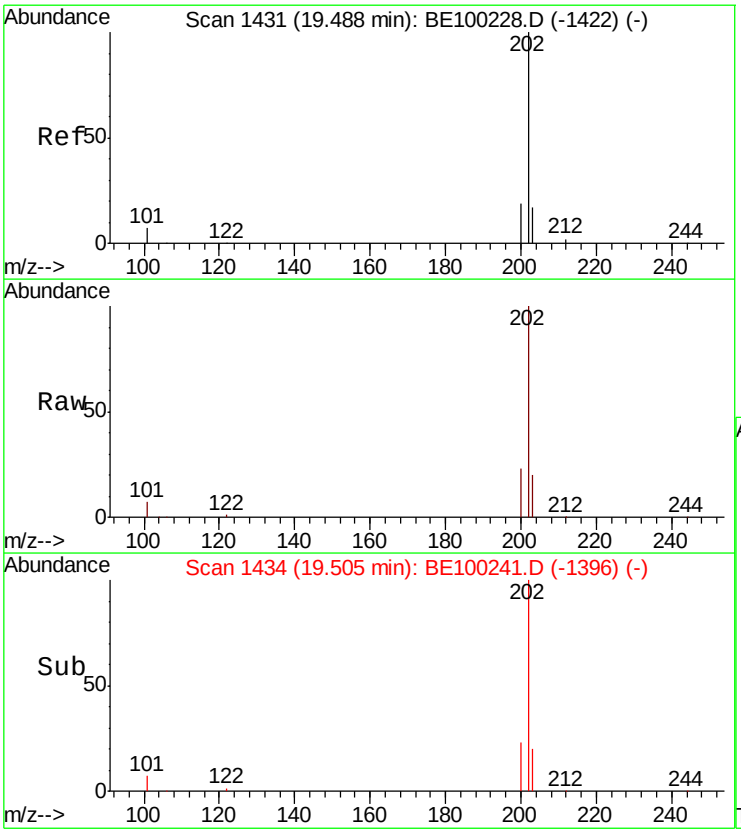
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:240 Resp: 16819

Ion	Ratio	Lower	Upper
240	100		
120	12.2	3.3	4.9#
236	46.5	22.6	34.0#

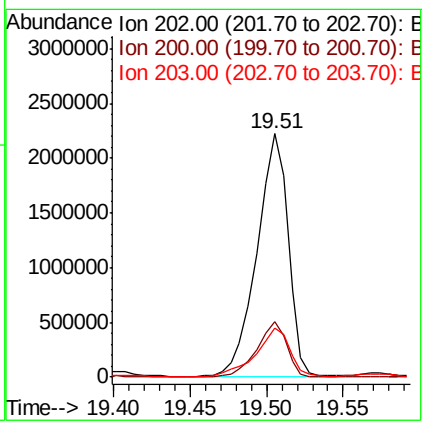


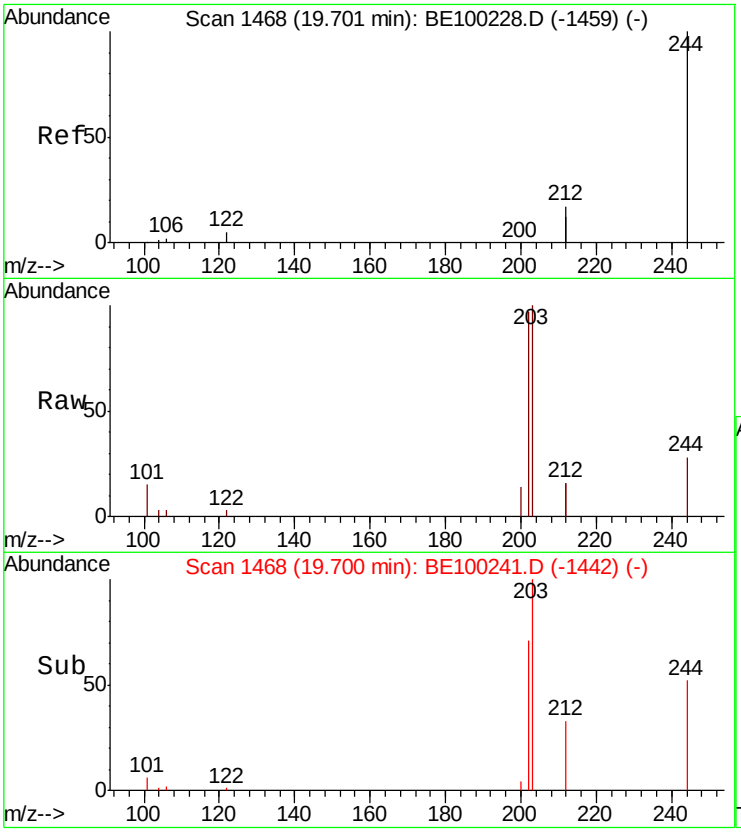


#28
Pyrene
Concen: 70.007 ng
RT: 19.51 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:202 Resp: 3117316

Ion	Ratio	Lower	Upper
202	100		
200	21.5	15.6	23.4
203	21.7	14.0	21.0#



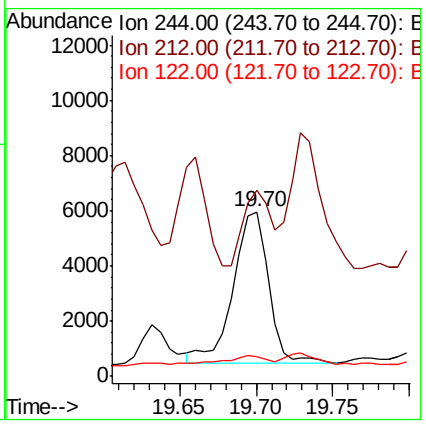


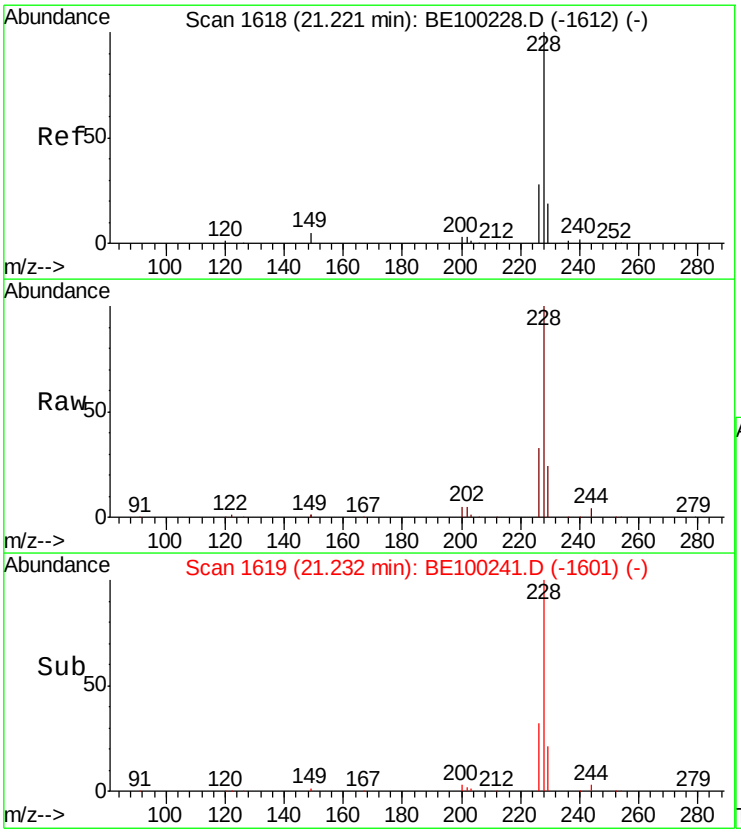
#29
Terphenyl-d14
Concen: 0.256 ng
RT: 19.70 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:244 Resp: 8936

Ion	Ratio	Lower	Upper
244	100		
212	113.3	27.3	40.9#
122	11.6	4.7	7.1#

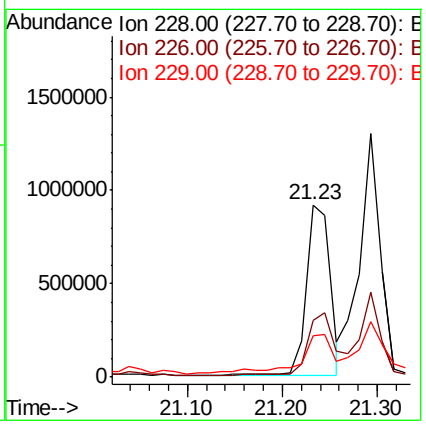


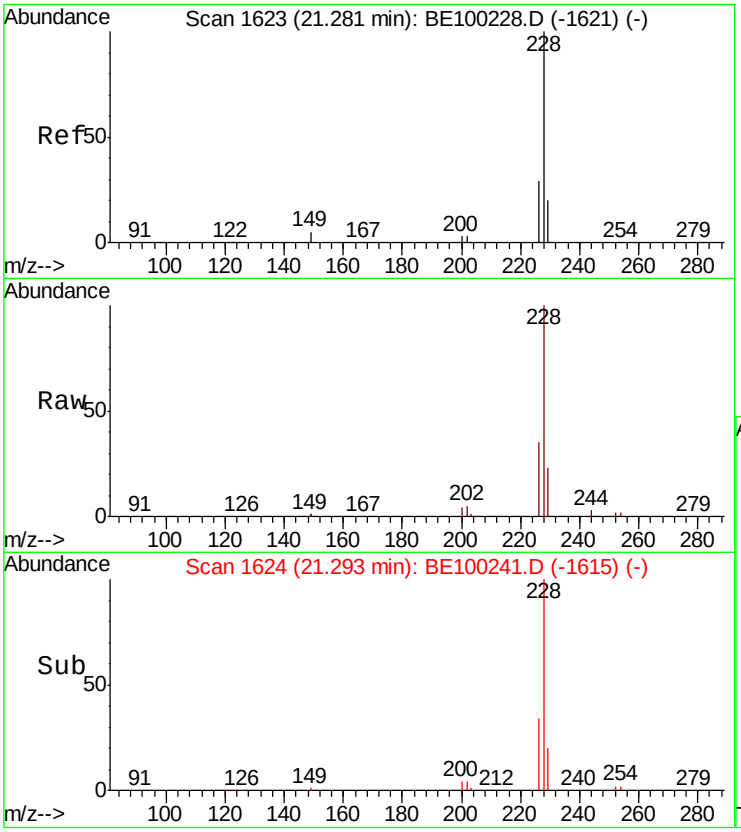


#30
Benzo(a)anthracene
Concen: 28.941 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:228 Resp: 1600460

Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.2	34.8
229	24.2	15.7	23.5#



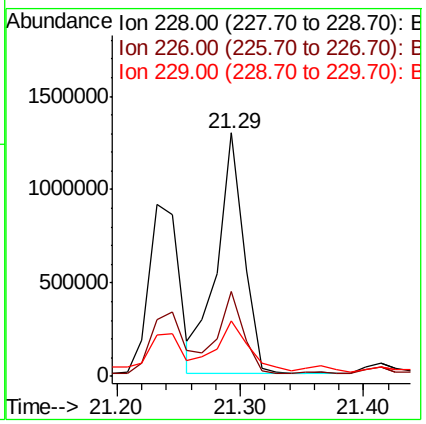


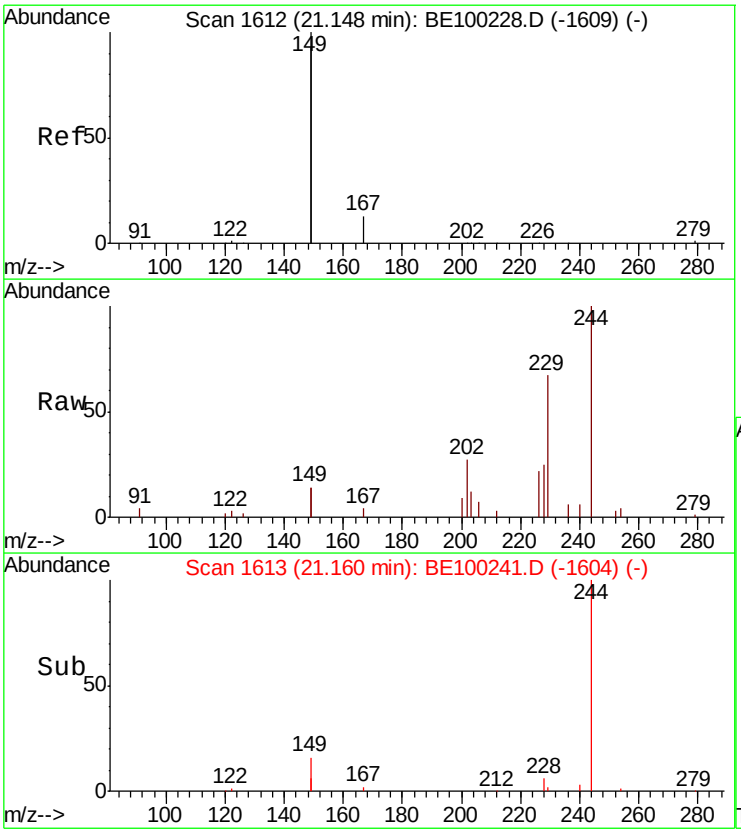
#31
Chrysene
Concen: 35.526 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:228 Resp: 1972767

Ion	Ratio	Lower	Upper
228	100		
226	35.0	23.9	35.9
229	22.9	16.5	24.7

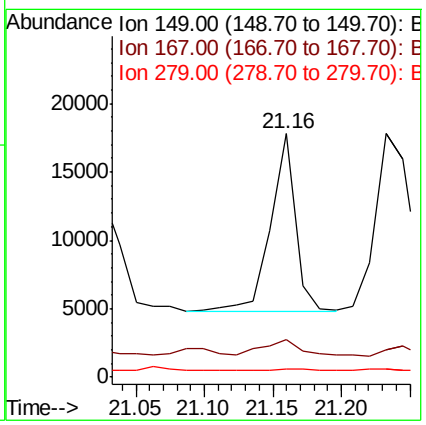


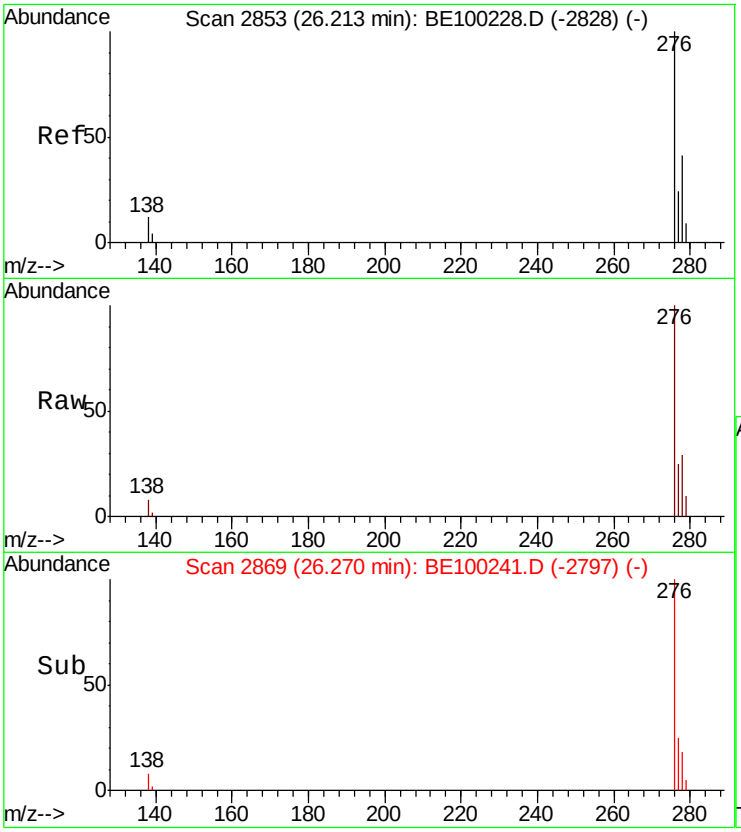


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.155 ng
RT: 21.16 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:149 Resp: 16612

Ion	Ratio	Lower	Upper
149	100		
167	11.0	5.8	8.8#
279	1.4	1.1	1.7



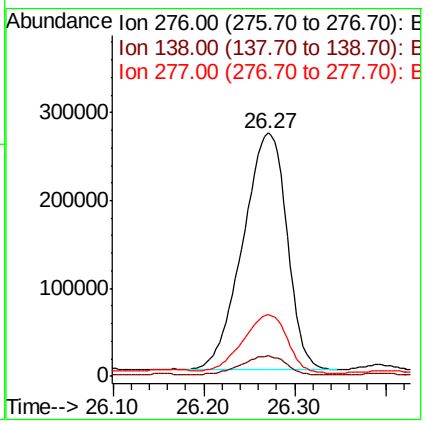


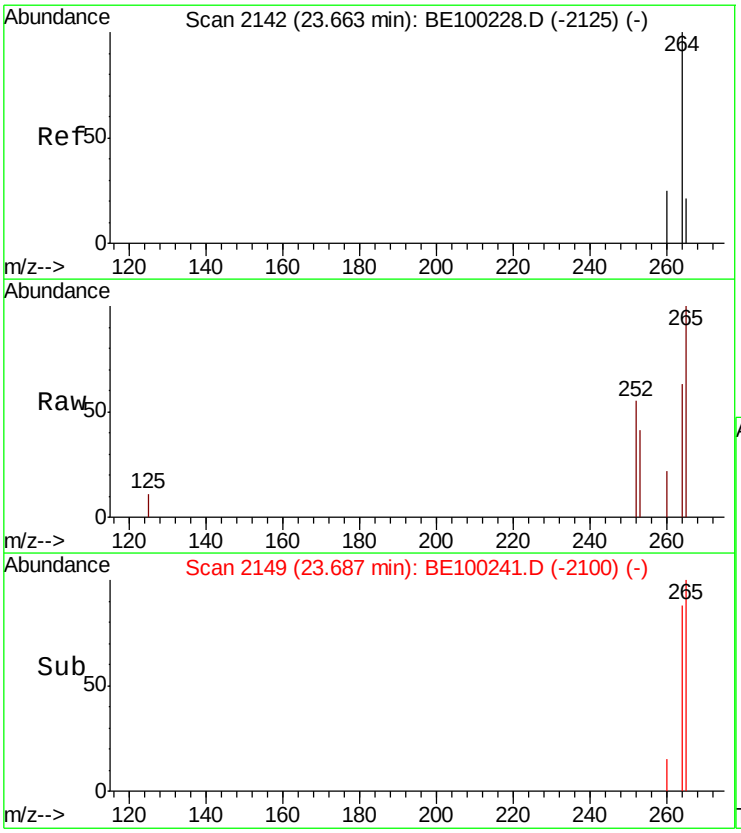
#33
Indeno(1,2,3-cd)pyrene
Concen: 12.329 ng
RT: 26.27 min Scan# 2869
Delta R.T. 0.06 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:276 Resp: 905573

Ion	Ratio	Lower	Upper
276	100		
138	8.2	9.4	14.0#
277	25.3	19.2	28.8

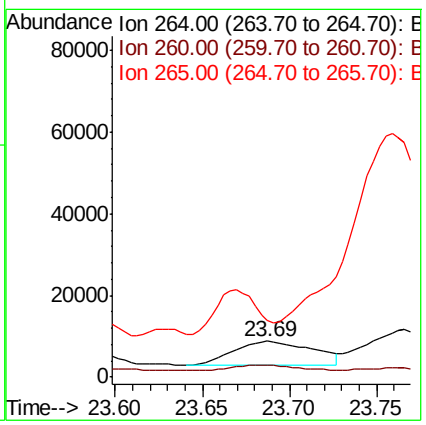


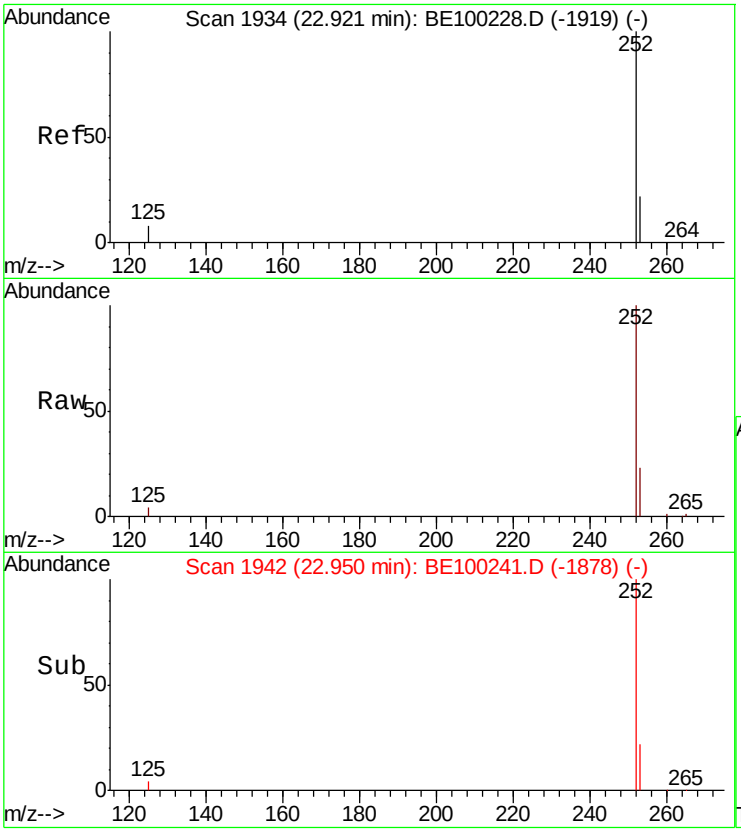


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2149
Delta R.T. 0.02 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:264 Resp: 18897

Ion	Ratio	Lower	Upper
264	100		
260	34.5	20.8	31.2#
265	158.2	21.8	32.6#



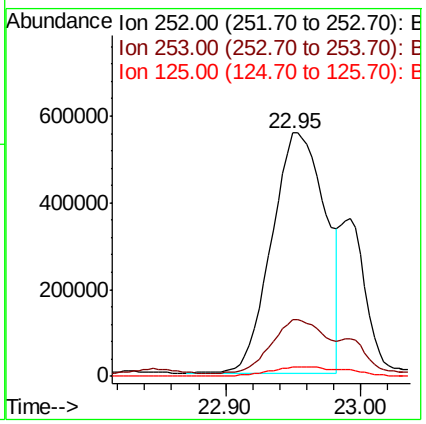


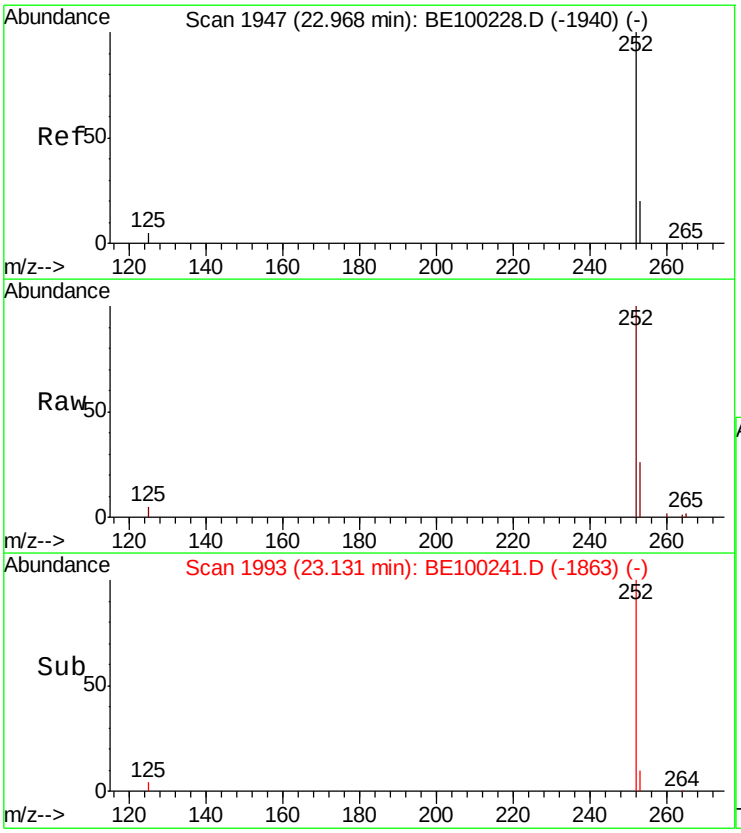
#35
Benzo(b)fluoranthene
Concen: 29.772 ng
RT: 22.95 min Scan# 1942
Delta R.T. 0.03 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:252 Resp: 1525357

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	3.9	7.4	11.0#

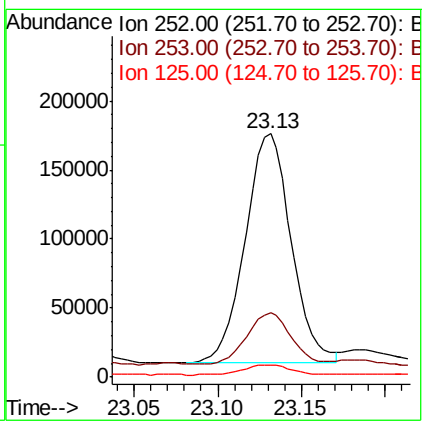


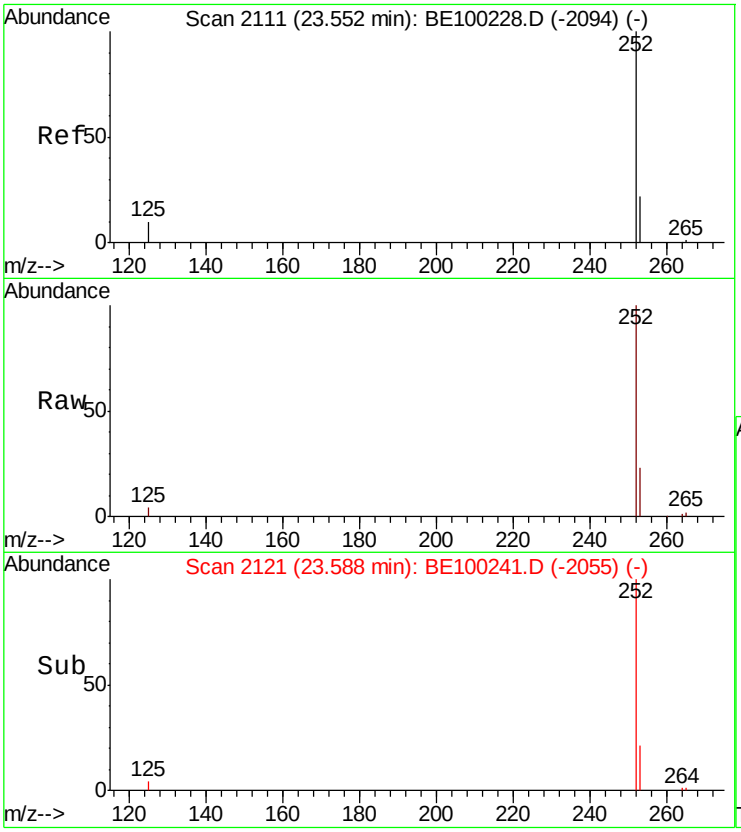


#36
Benzo(k)fluoranthene
Concen: 5.569 ng
RT: 23.13 min Scan# 1993
Delta R.T. 0.16 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:252 Resp: 318488

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	5.1	5.0	7.4



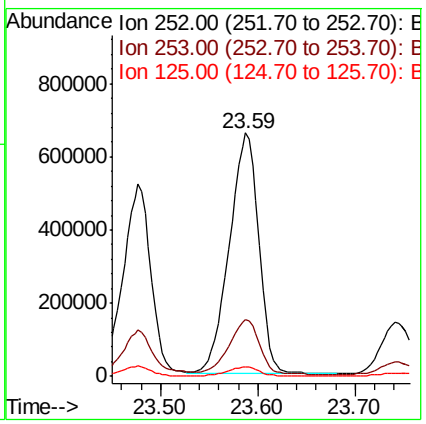


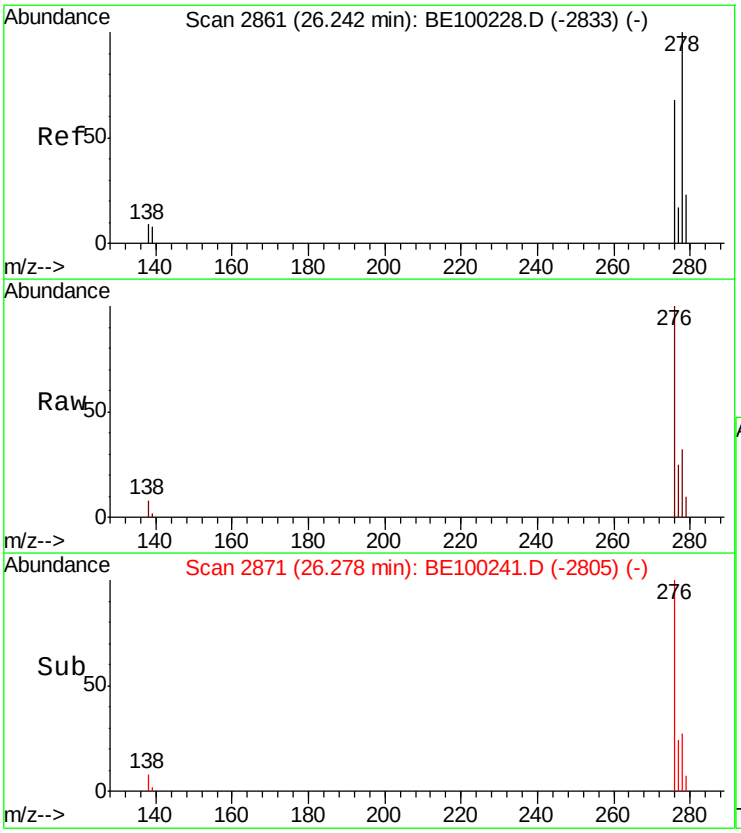
#37
Benzo(a)pyrene
Concen: 27.068 ng
RT: 23.59 min Scan# 2121
Delta R.T. 0.04 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:252 Resp: 1389929

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.6	29.4
125	3.8	9.0	13.6#

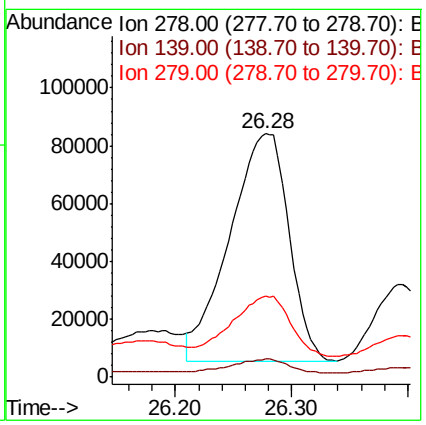


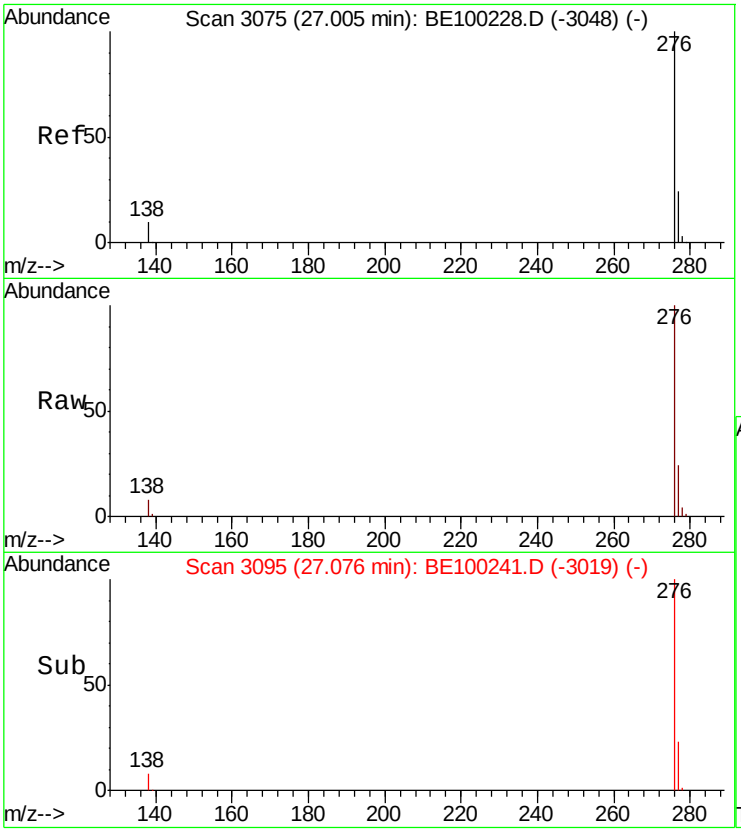


#38
Dibenzo(a,h)anthracene
Concen: 5.188 ng
RT: 26.28 min Scan# 2871
Delta R.T. 0.04 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:278 Resp: 278208

Ion	Ratio	Lower	Upper
278	100		
139	7.3	8.2	12.2#
279	33.0	20.3	30.5#





#39
Benzo(g,h,i)perylene
Concen: 19.609 ng
RT: 27.08 min Scan# 3095
Delta R.T. 0.07 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:276 Resp: 1080298

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	8.3	9.0	13.6#