Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE011720\

Quantitation Report (Not Reviewed)

Data File : BE101090.D
Acq On : 17 Jan 2020 18:21
Operator : JU
Sample : L1167-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PF-1MS

Quant Time: Jan 17 23:21:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1466	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	6260	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	4513	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	13105	0.40	ng	0.00
27) Chrysene-d12	21.27	240	24416	0.40	ng	-0.01
34) Perylene-d12	23.69	264	24515	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	1667	0.51	ng	-0.01
5) Phenol-d6	6.89	99	2415	0.58	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1773	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	4243	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	517	0.41	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	6595	0.38	ng	-0.02
25) Fluoranthene-d10	19.12	212	92807	0.51	ng	-0.02
29) Terphenyl-d14	19.72	244	21212	0.35	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.28	88	1074	0.260	ng	# 39
3) n-Nitrosodimethylamine	3.58	42	836	0.410	ng	# 89
6) bis(2-Chloroethyl)ether	7.15	93	1658	0.333	ng	94
9) Naphthalene	10.55	128	26571	0.382	ng	99
10) Hexachlorobutadiene	10.83	225	1041	0.354	ng	98
12) 2-Methylnaphthalene	12.17	142	4141	0.394	ng	96
16) Acenaphthylene	14.07	152	6730	0.366	ng	99
17) Acenaphthene	14.41	154	4528	0.344	ng	98
18) Fluorene	15.39	166	6146	0.370	ng	100
20) 4-Bromophenyl-phenylether	16.29	248	1909	0.299	ng	97
21) Hexachlorobenzene	16.40	284	2026	0.289	ng	98
22) Pentachlorophenol	16.75	266	273	0.361	ng	99
23) Phenanthrene	17.13	178	12886	0.360	ng	99
24) Anthracene	17.23	178	12420	0.368	ng	99
26) Fluoranthene	19.15	202	25327	0.565	ng	99
28) Pyrene	19.51	202	28361	0.312	ng	99
30) Benzo(a)anthracene	21.24	228	30571	0.439	ng	99
31) Chrysene	21.30	228	37686	0.364	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	85388	0.735	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.23	276	23693	0.290	ng	# 93
35) Benzo(b)fluoranthene	22.95	252	27449	0.399	ng	99
36) Benzo(k)fluoranthene	22.95	252	27449	0.276	ng	99
37) Benzo(a)pyrene	23.58	252	25752	0.387	ng	97
38) Dibenzo(a,h)anthracene	26.25	278	18651	0.305	ng	96
39) Benzo(g,h,i)perylene	27.01	276	22200	0.295	ng	98

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

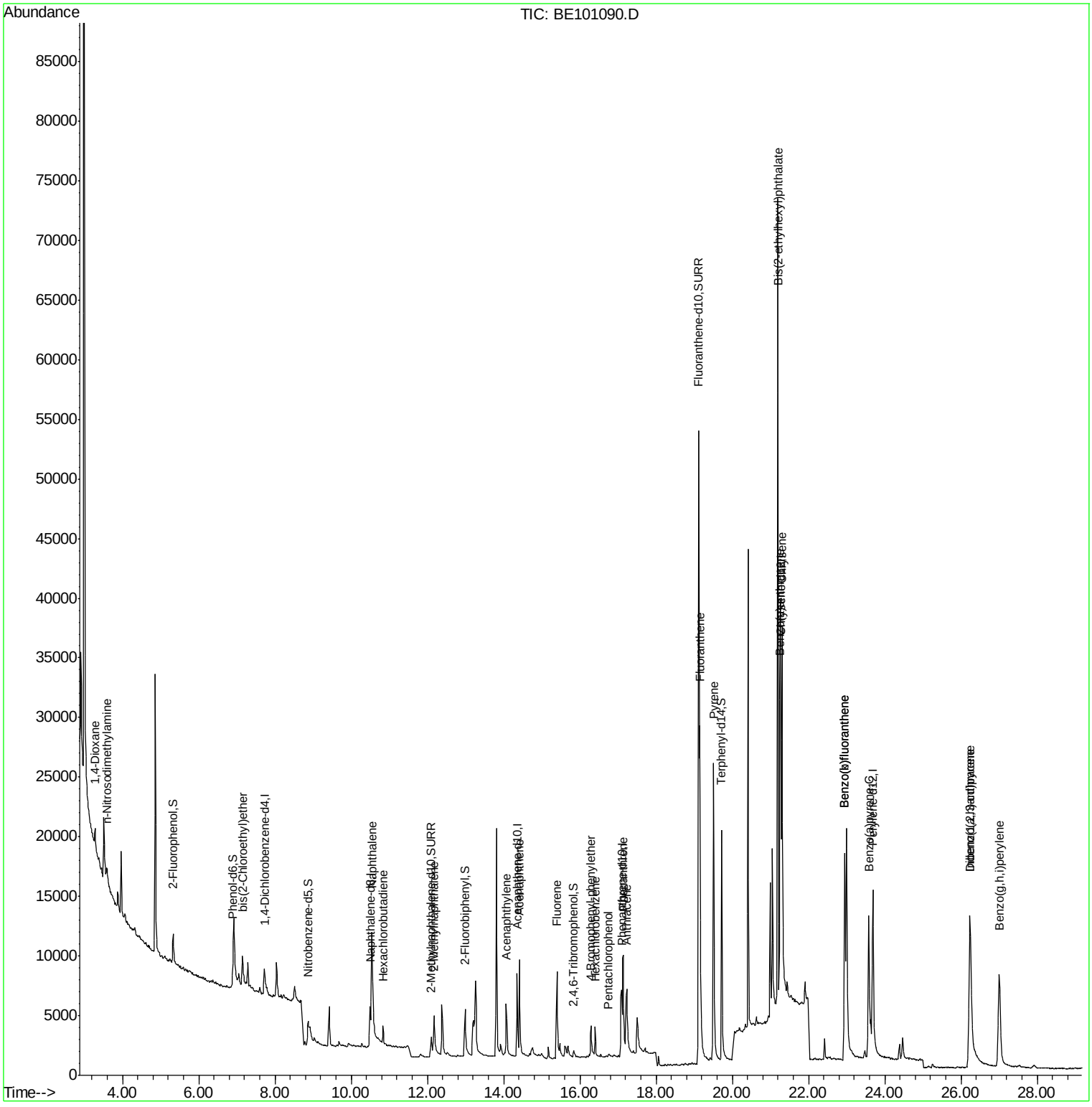
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE011720\

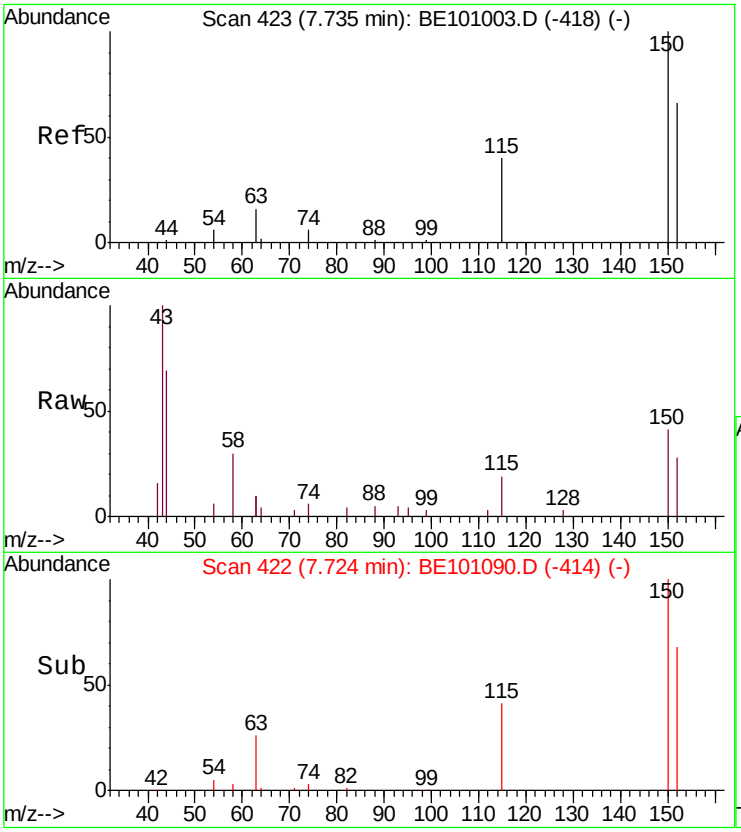
Quantitation Report (Not Reviewed)

Data File : BE101090.D
Acq On : 17 Jan 2020 18:21
Operator : JU
Sample : L1167-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PF-1MS

Quant Time: Jan 17 23:21:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration



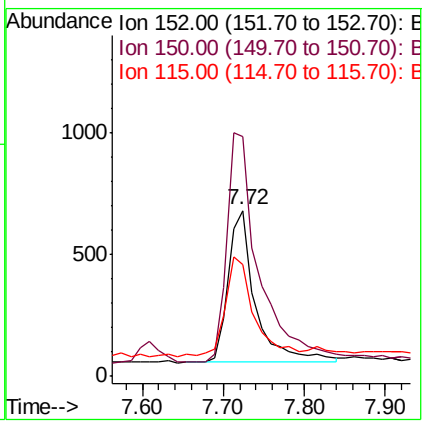


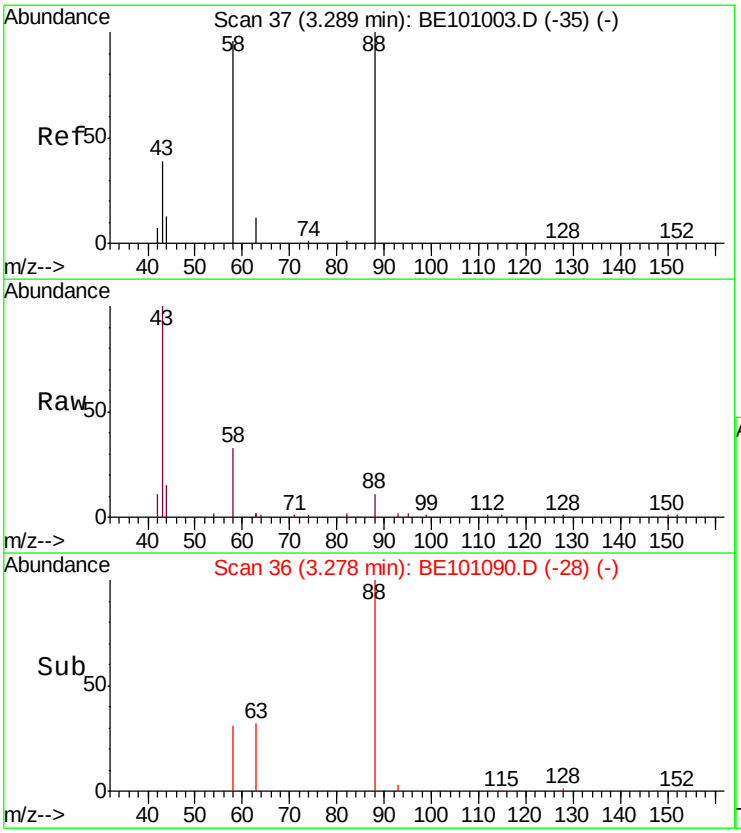
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:152 Resp: 1466

Ion	Ratio	Lower	Upper
152	100		
150	144.3	120.3	180.5
115	67.4	51.7	77.5

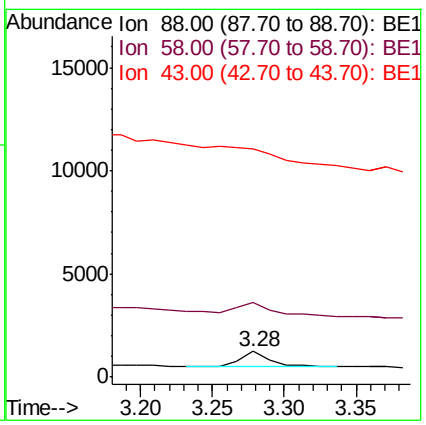


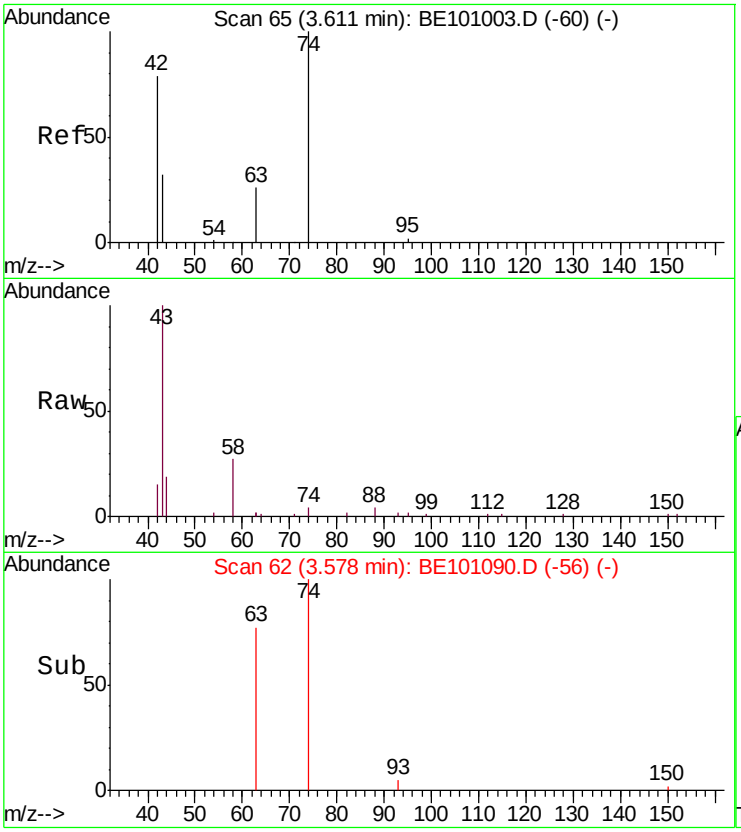


#2
1,4-Dioxane
Concen: 0.260 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion: 88 Resp: 1074

Ion	Ratio	Lower	Upper
88	100		
58	117.5	53.0	79.4#
43	0.0	23.4	35.2#



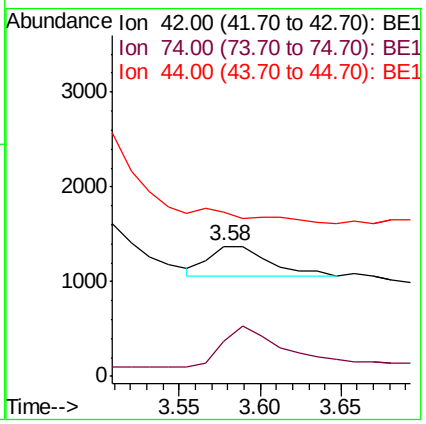


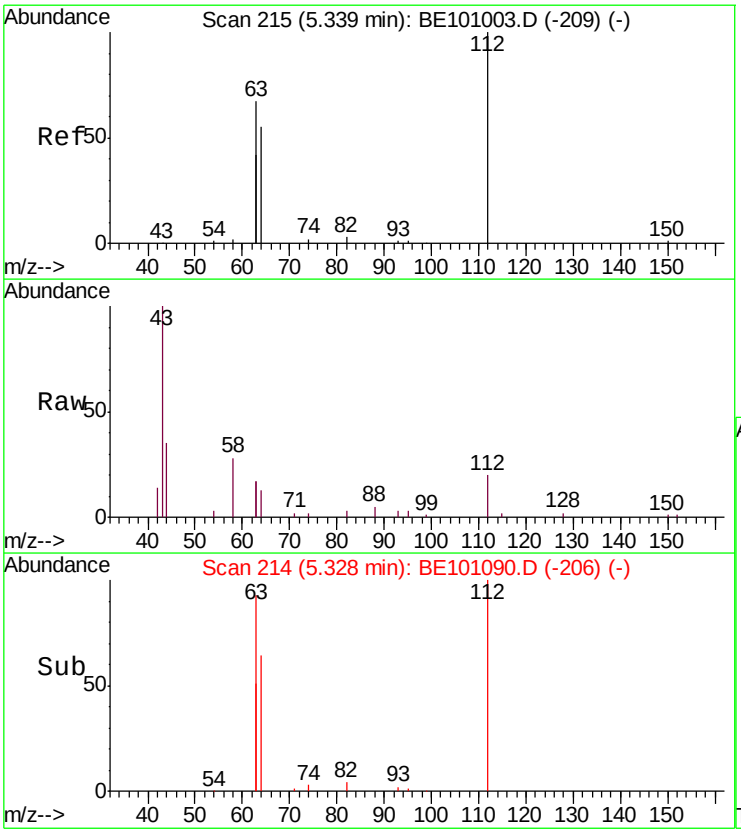
#3
n-Nitrosodimethylamine
Concen: 0.410 ng
RT: 3.58 min Scan# 62
Delta R.T. -0.03 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion: 42 Resp: 836

Ion	Ratio	Lower	Upper
42	100		
74	142.2	105.7	158.5
44	0.0	10.0	15.0#

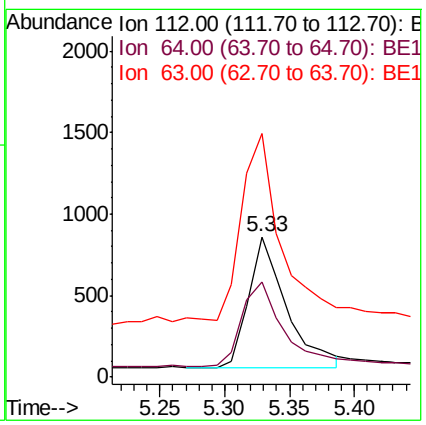


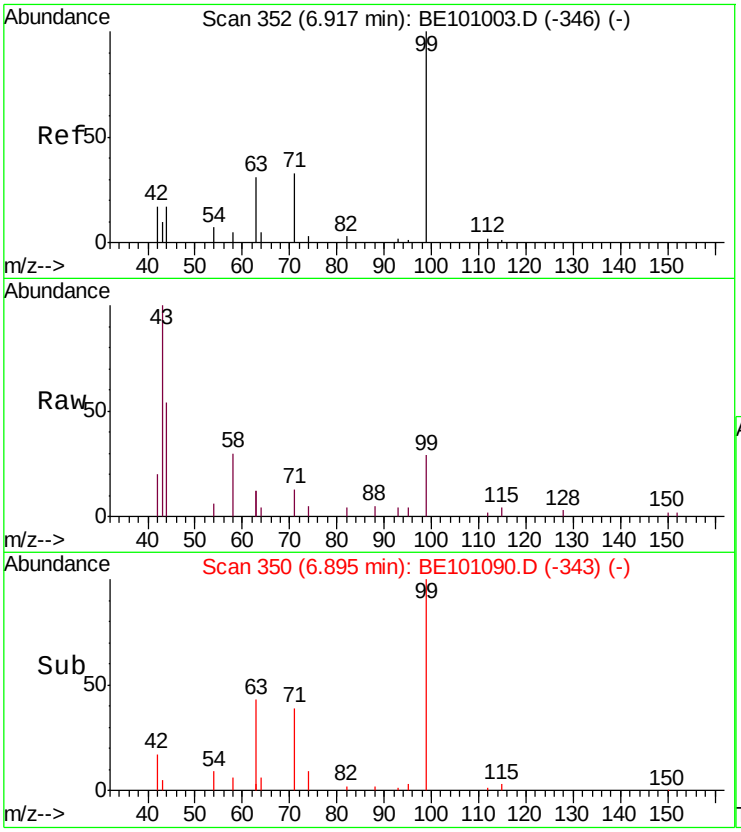


#4
2-Fluorophenol
Concen: 0.505 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:112 Resp: 1667

Ion	Ratio	Lower	Upper
112	100		
64	70.2	53.6	80.4
63	142.8	114.6	172.0



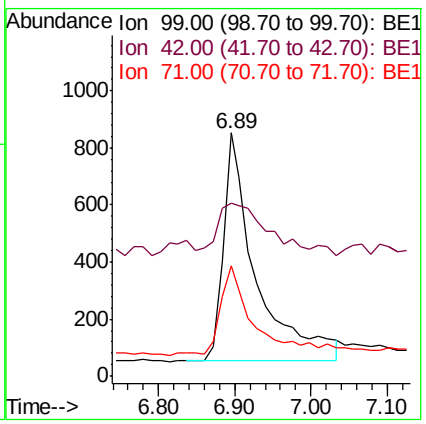


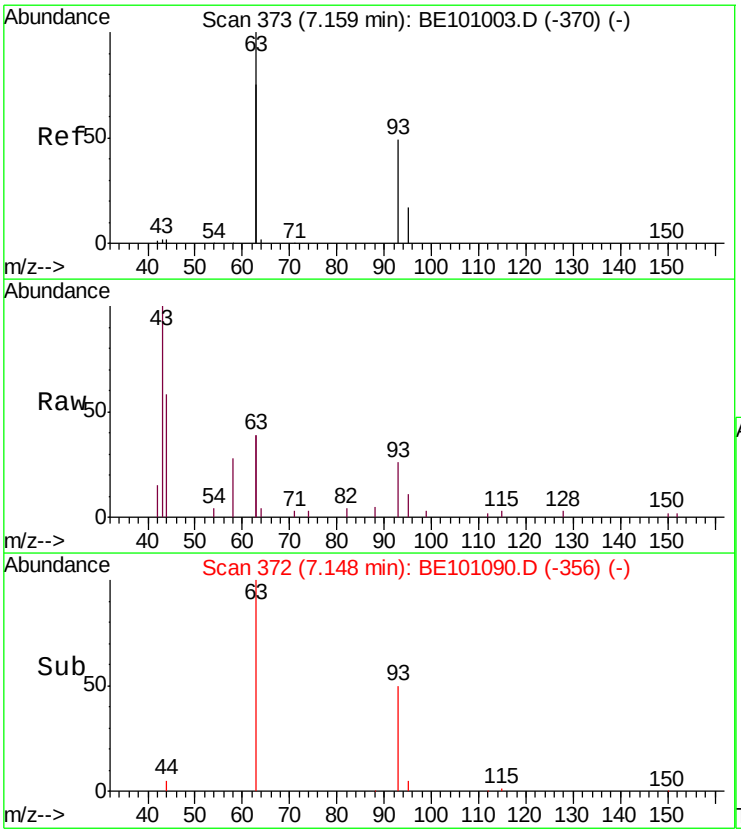
#5
Phenol-d6
Concen: 0.578 ng
RT: 6.89 min Scan# 350
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion: 99 Resp: 2415

Ion	Ratio	Lower	Upper
99	100		
42	28.5	18.3	27.5#
71	36.6	28.0	42.0

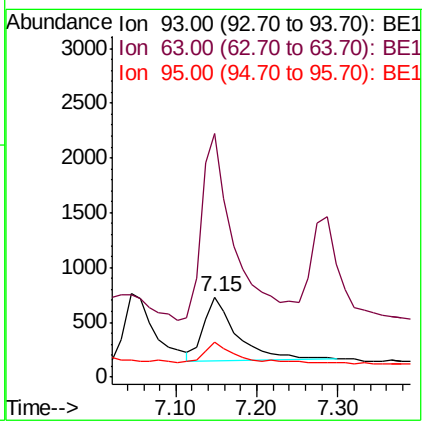


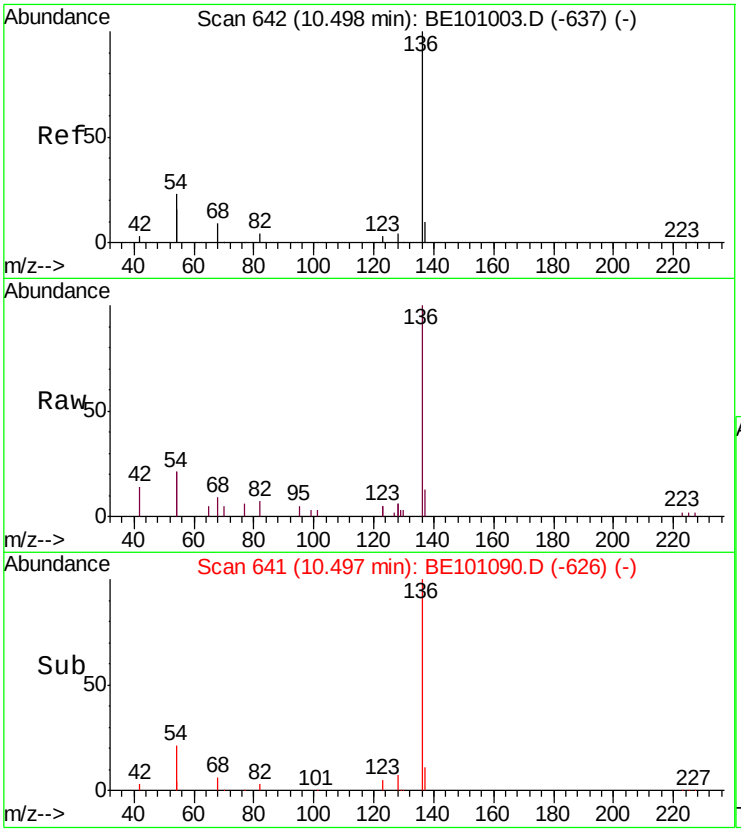


#6
bis(2-Chloroethyl)ether
Concen: 0.333 ng
RT: 7.15 min Scan# 372
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion: 93 Resp: 1658

Ion	Ratio	Lower	Upper
93	100		
63	280.3	233.9	350.9
95	29.1	23.5	35.3



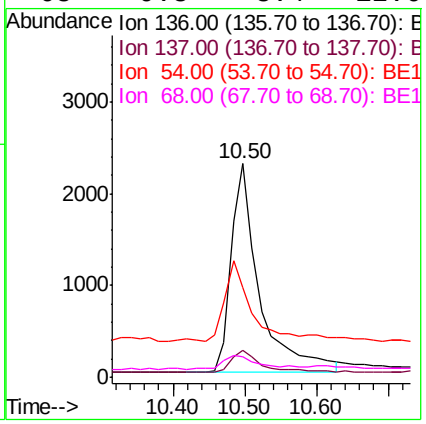


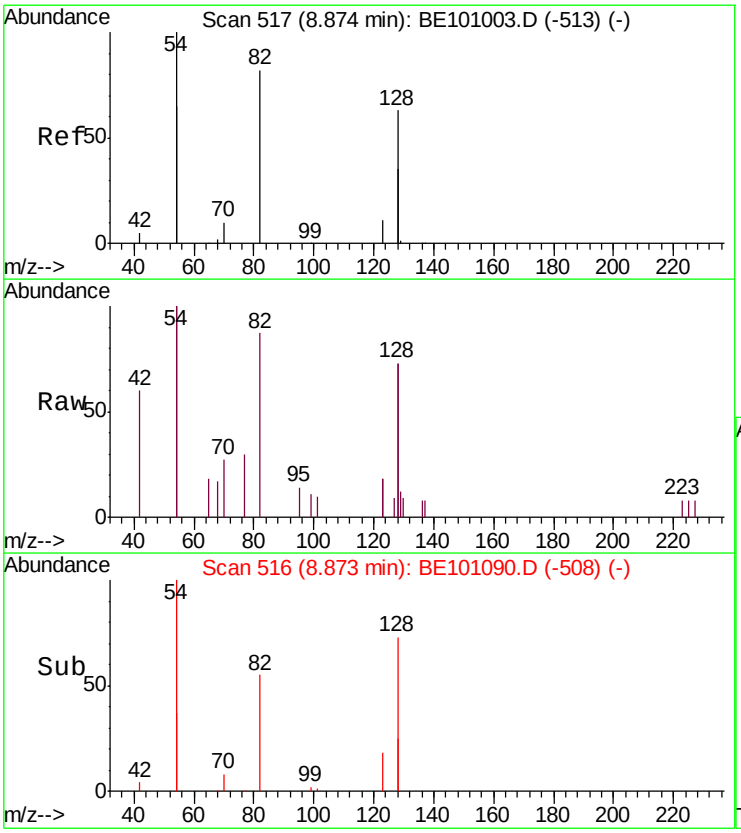
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 641
Delta R.T. -0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:136 Resp: 6260

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.3	13.9
54	42.0	36.8	55.2
68	9.3	8.4	12.6

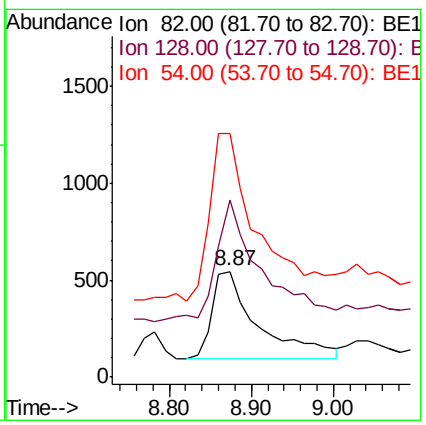


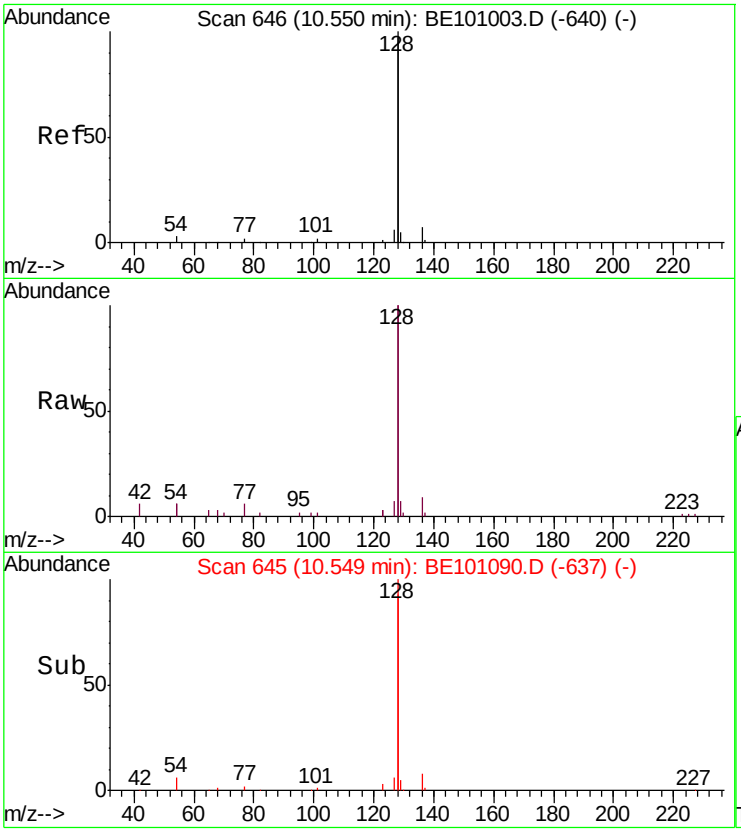


#8
Nitrobenzene-d5
Concen: 0.396 ng
RT: 8.87 min Scan# 516
Delta R.T. -0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion: 82 Resp: 1773

Ion	Ratio	Lower	Upper
82	100		
128	167.6	109.8	164.6#
54	230.9	174.5	261.7



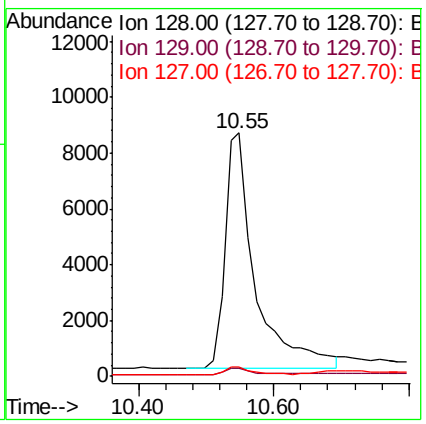


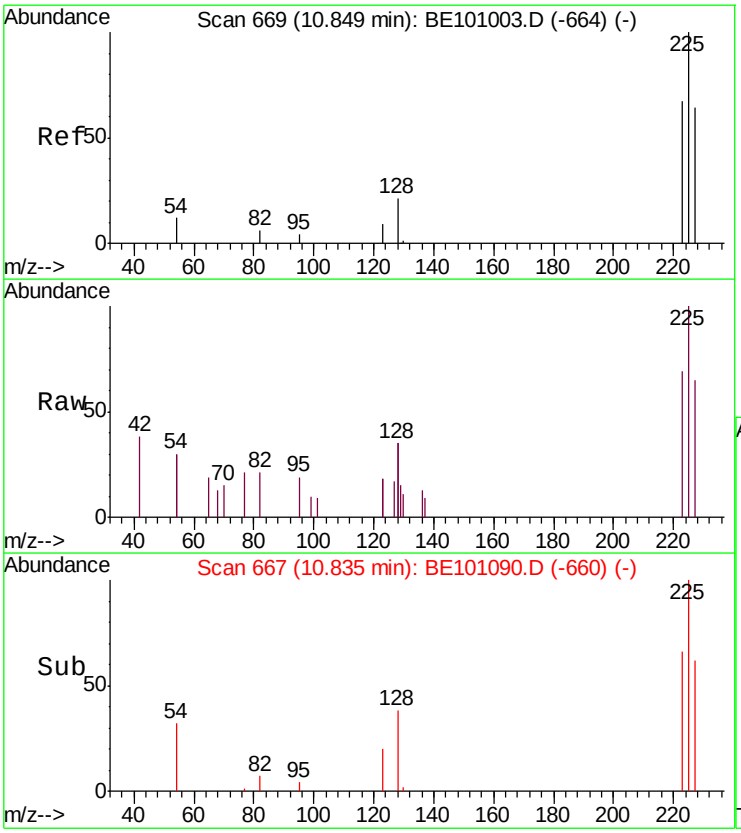
#9
Naphthalene
Concen: 0.382 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:128 Resp: 26571

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.3	3.5
127	3.7	2.7	4.1

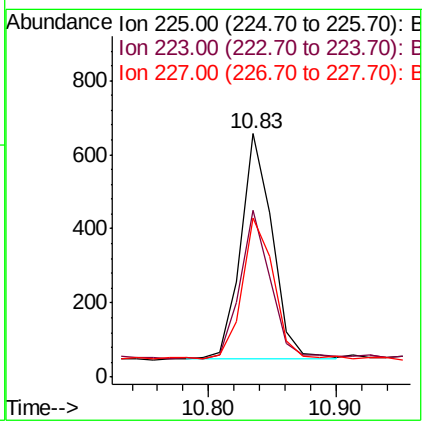


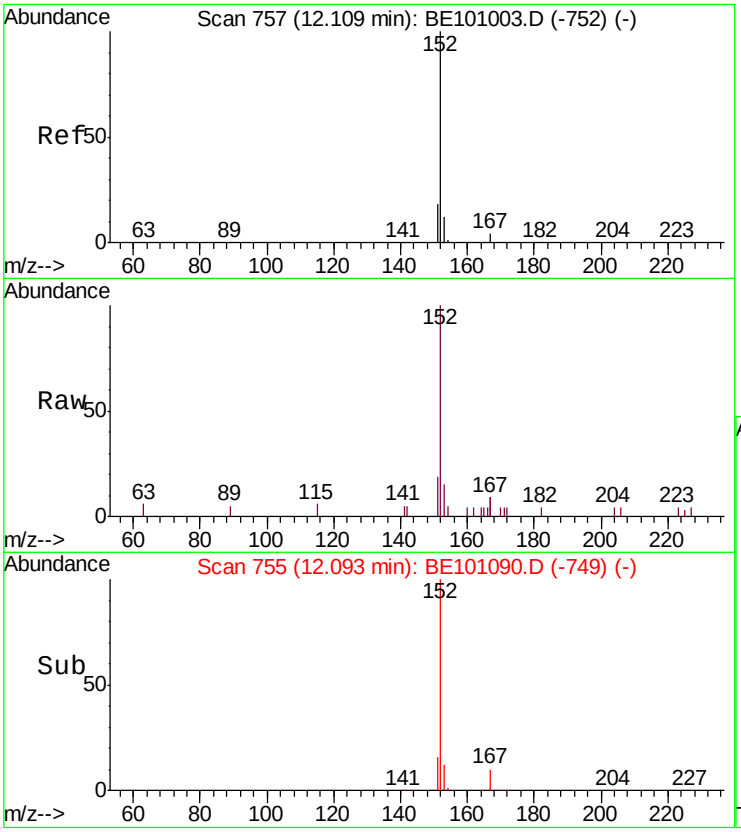


#10
Hexachlorobutadiene
Concen: 0.354 ng
RT: 10.83 min Scan# 667
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:225 Resp: 1041

Ion	Ratio	Lower	Upper
225	100		
223	63.7	52.2	78.4
227	60.7	49.9	74.9



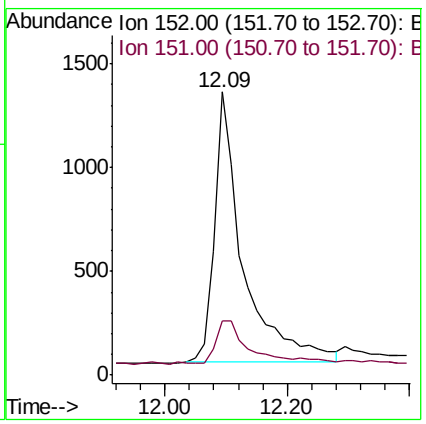


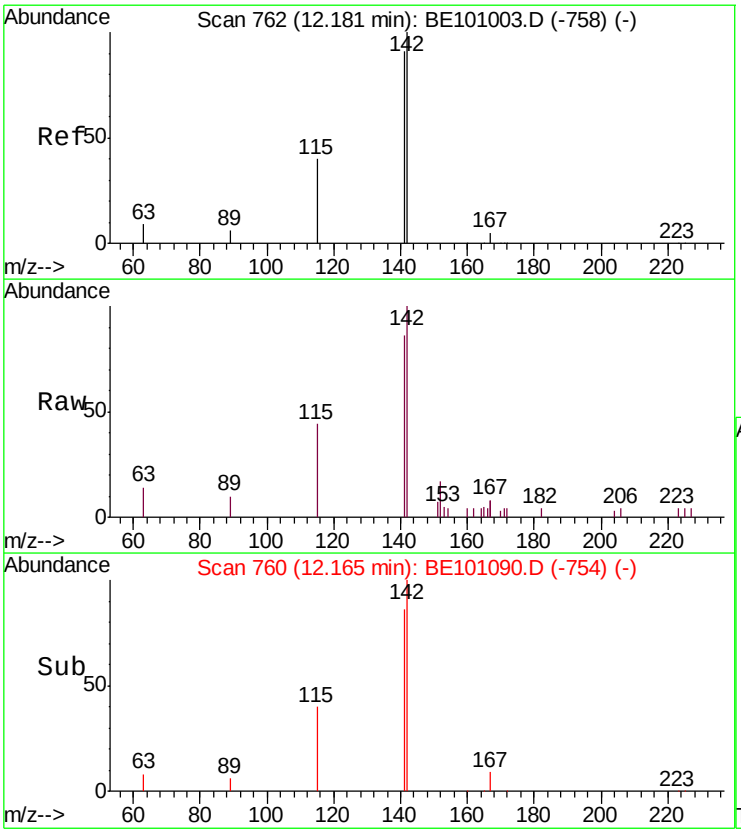
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:152 Resp: 4243

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.0	22.6

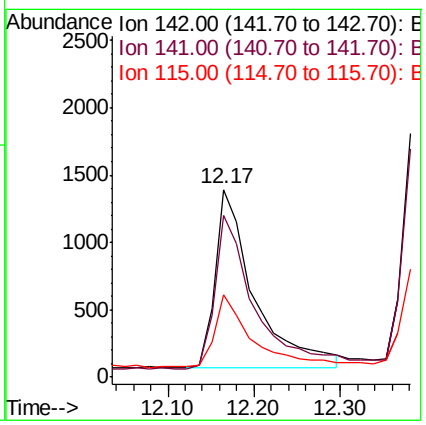


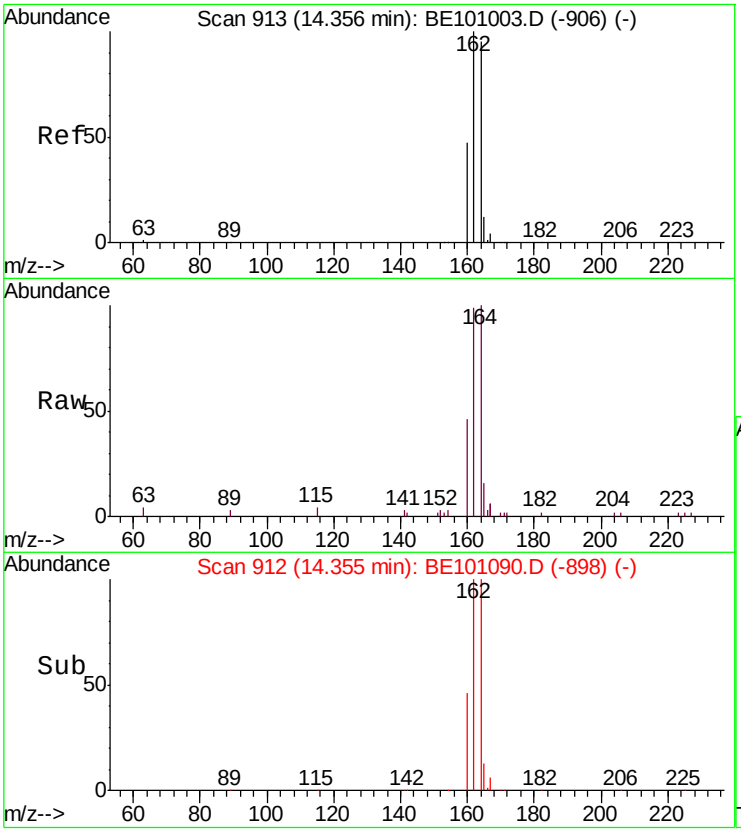


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:142 Resp: 4141

Ion	Ratio	Lower	Upper
142	100		
141	85.9	72.5	108.7
115	43.5	33.0	49.6



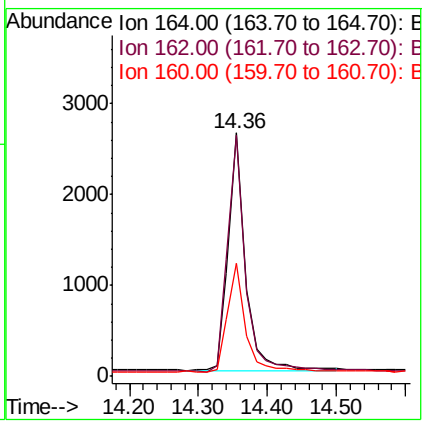


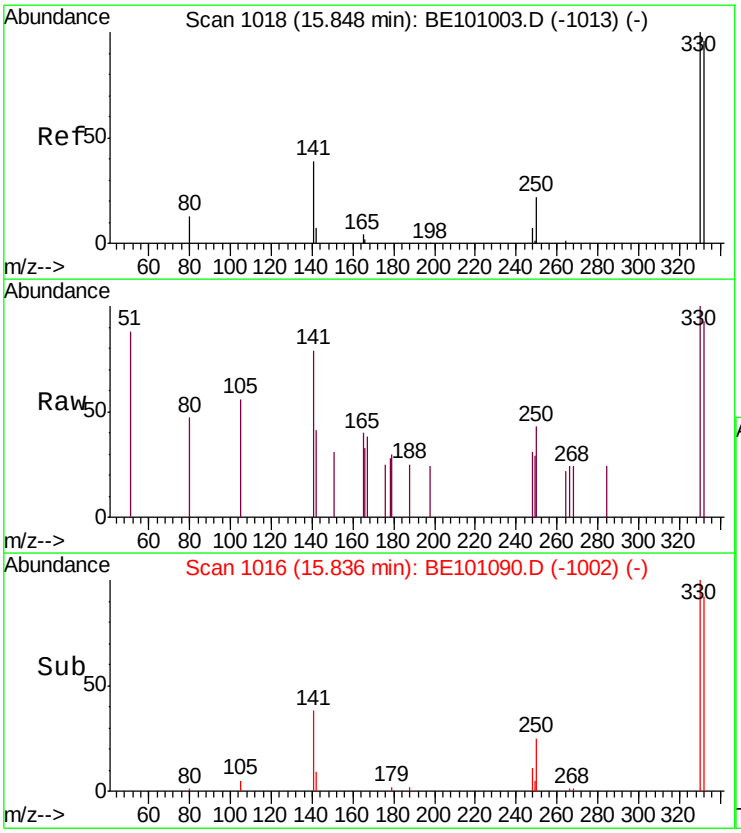
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:164 Resp: 4513

Ion	Ratio	Lower	Upper
164	100		
162	99.2	84.1	126.1
160	46.3	40.4	60.6

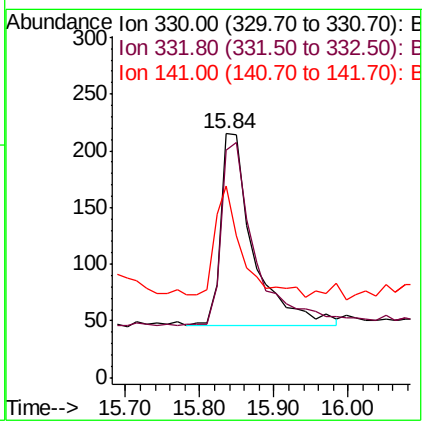


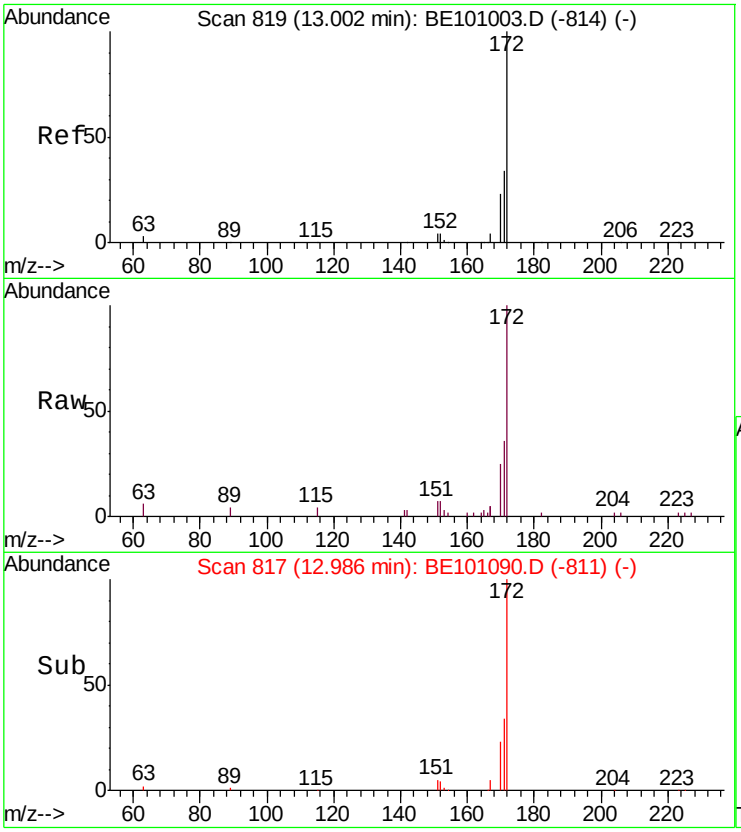


#14
2,4,6-Tribromophenol
Concen: 0.406 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:330 Resp: 517

Ion	Ratio	Lower	Upper
330	100		
332	100.2	78.4	117.6
141	49.1	37.0	55.4



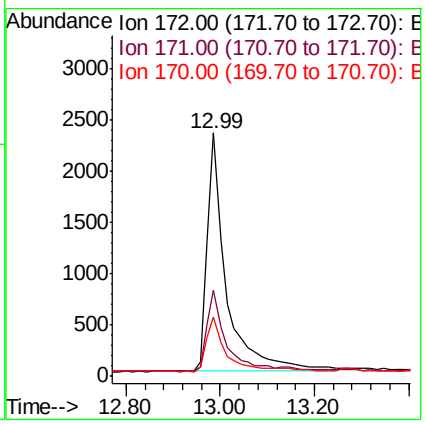


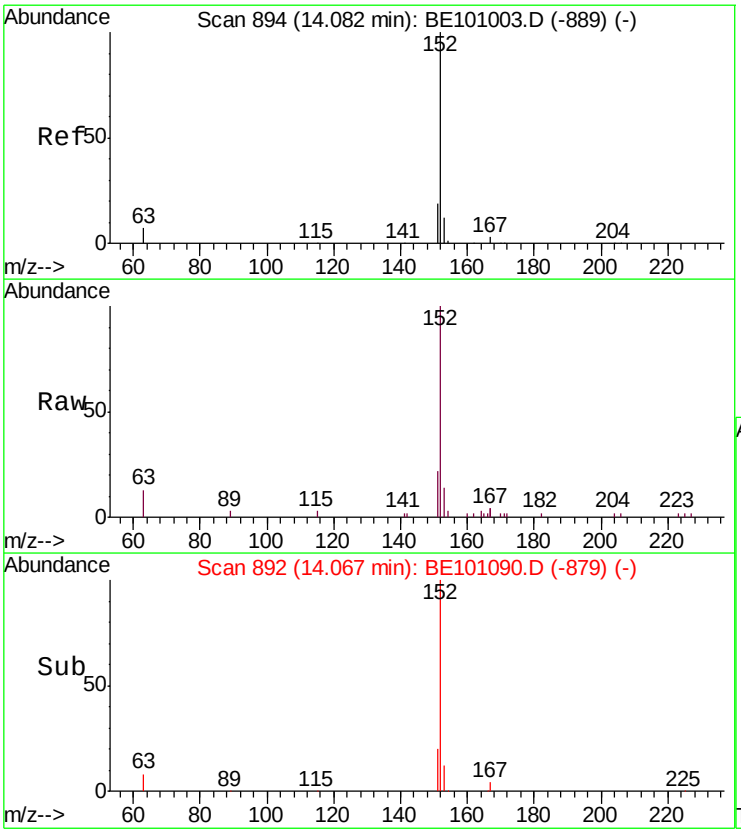
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:172 Resp: 6595

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	24.6	18.9	28.3

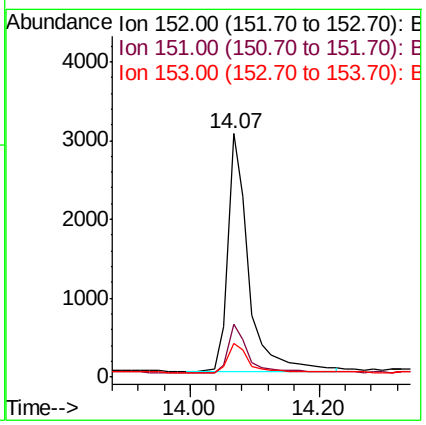


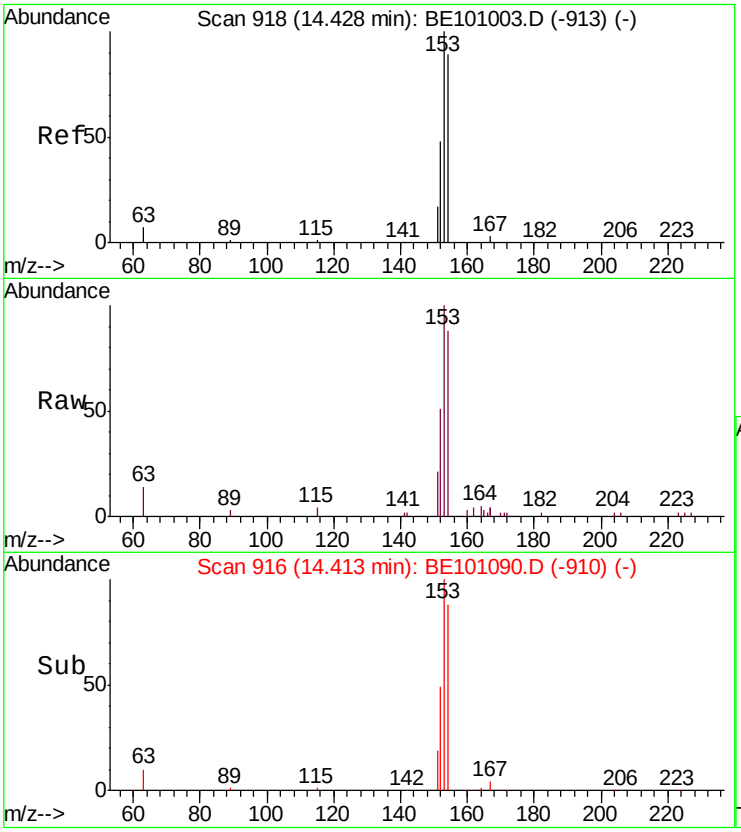


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:152 Resp: 6730

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3
153	12.6	10.4	15.6



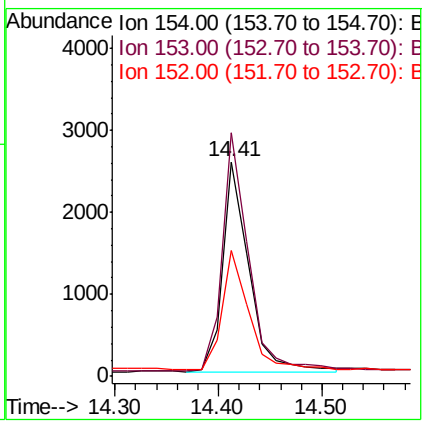


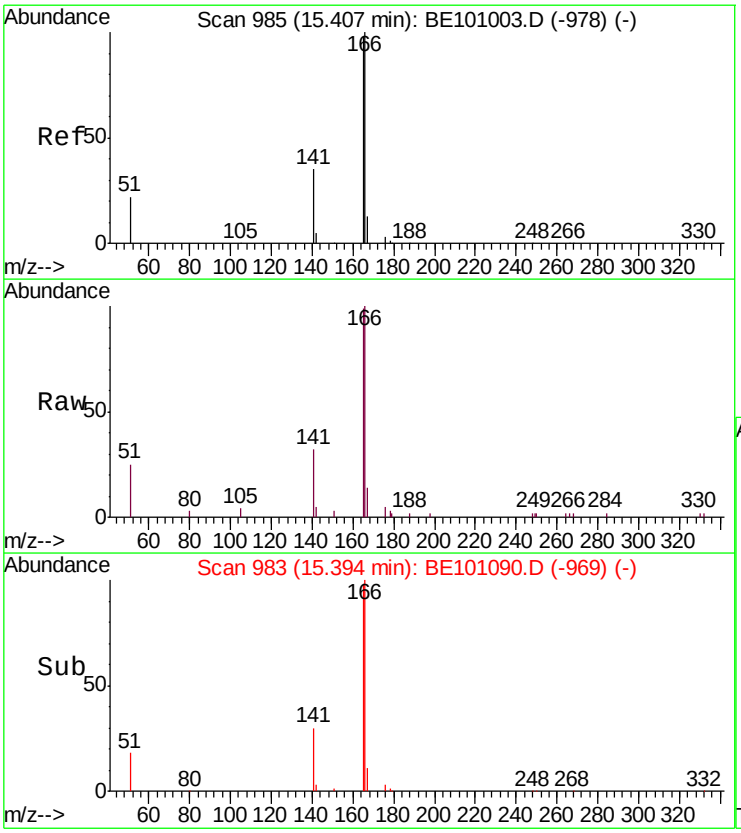
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:154 Resp: 4528

Ion	Ratio	Lower	Upper
154	100		
153	113.8	93.6	140.4
152	56.9	46.3	69.5

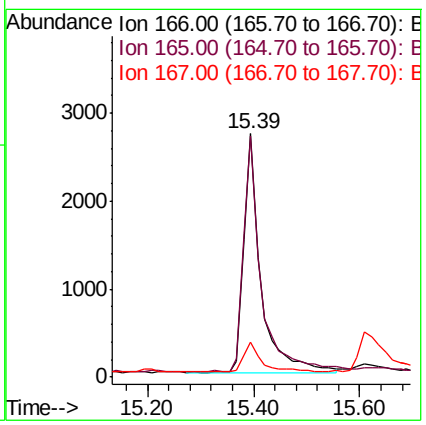


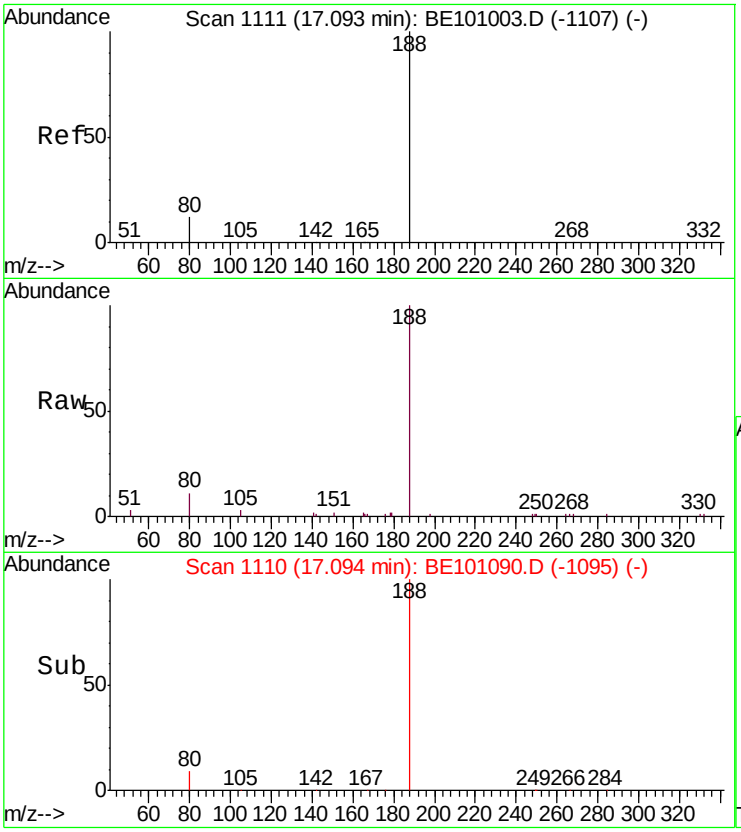


#18
Fluorene
Concen: 0.370 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:166 Resp: 6146

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	13.3	11.0	16.6



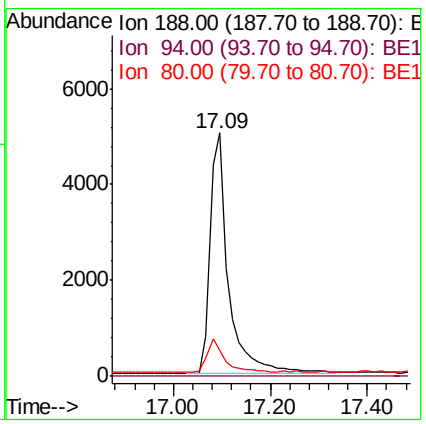


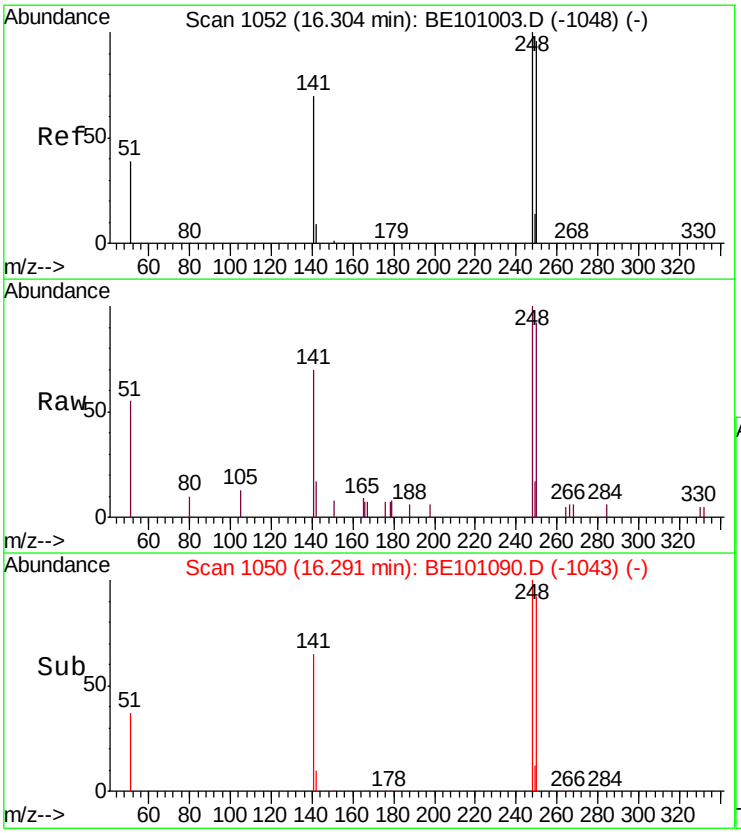
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:188 Resp: 13105

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	10.8	16.2

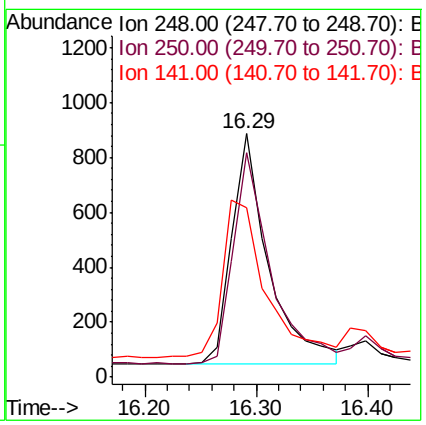


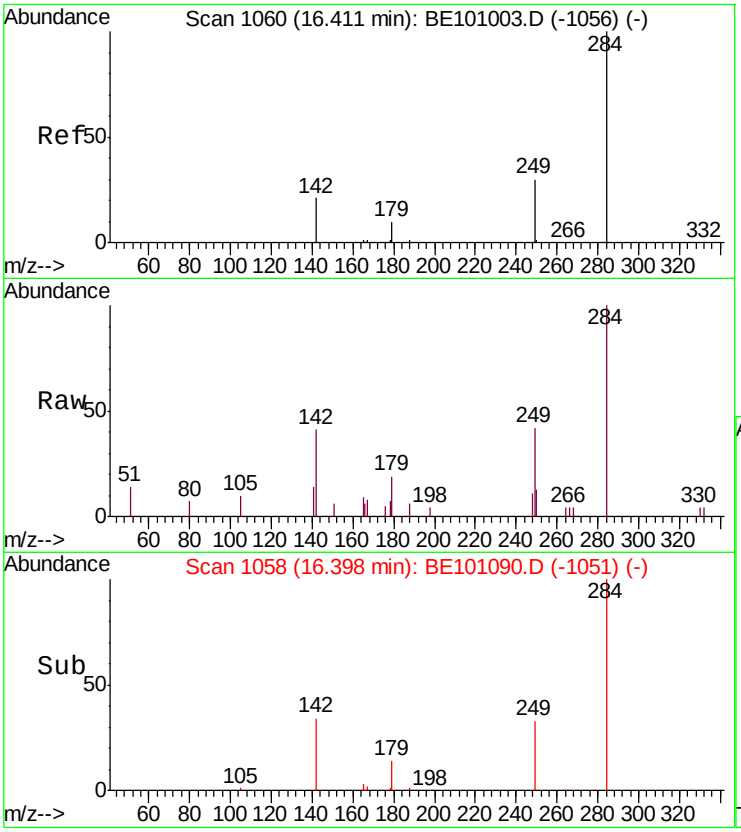


#20
4-Bromophenyl-phenylether
Concen: 0.299 ng
RT: 16.29 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:248 Resp: 1909

Ion	Ratio	Lower	Upper
248	100		
250	92.0	76.6	115.0
141	69.7	57.7	86.5



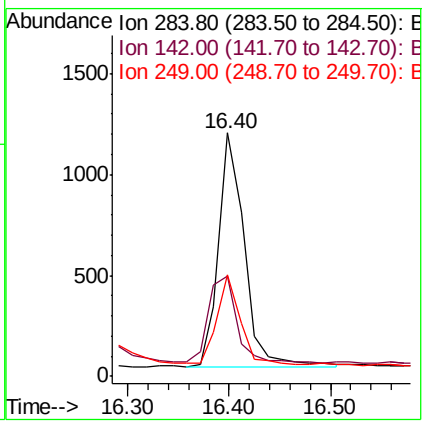


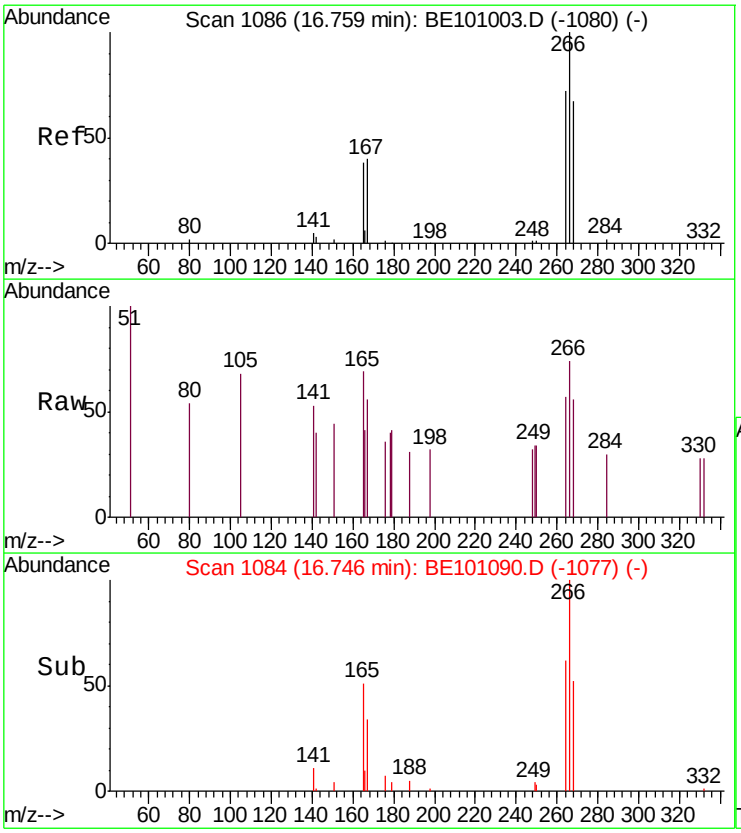
#21
Hexachlorobenzene
Concen: 0.289 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:284 Resp: 2026

Ion	Ratio	Lower	Upper
284	100		
142	40.8	34.0	51.0
249	35.7	28.2	42.4

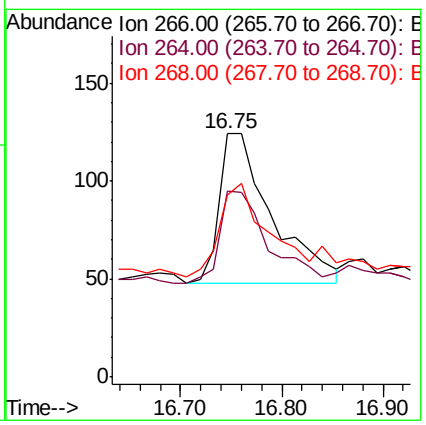


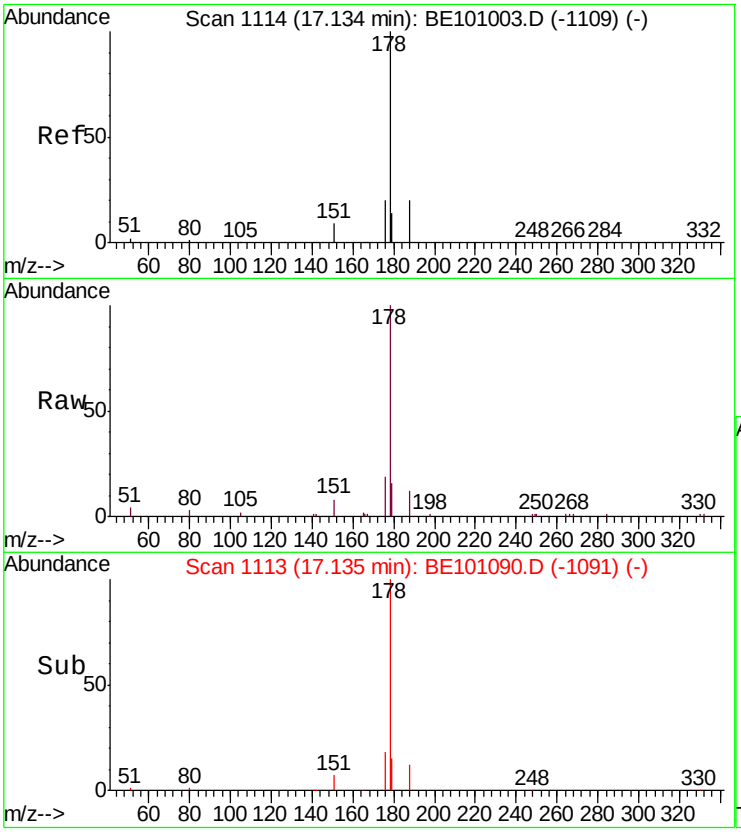


#22
Pentachlorophenol
Concen: 0.361 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:266 Resp: 273

Ion	Ratio	Lower	Upper
266	100		
264	76.6	61.0	91.4
268	75.0	58.5	87.7



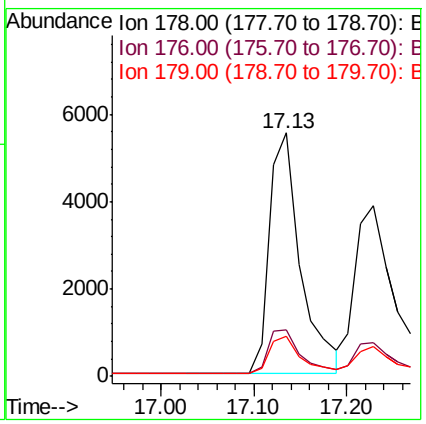


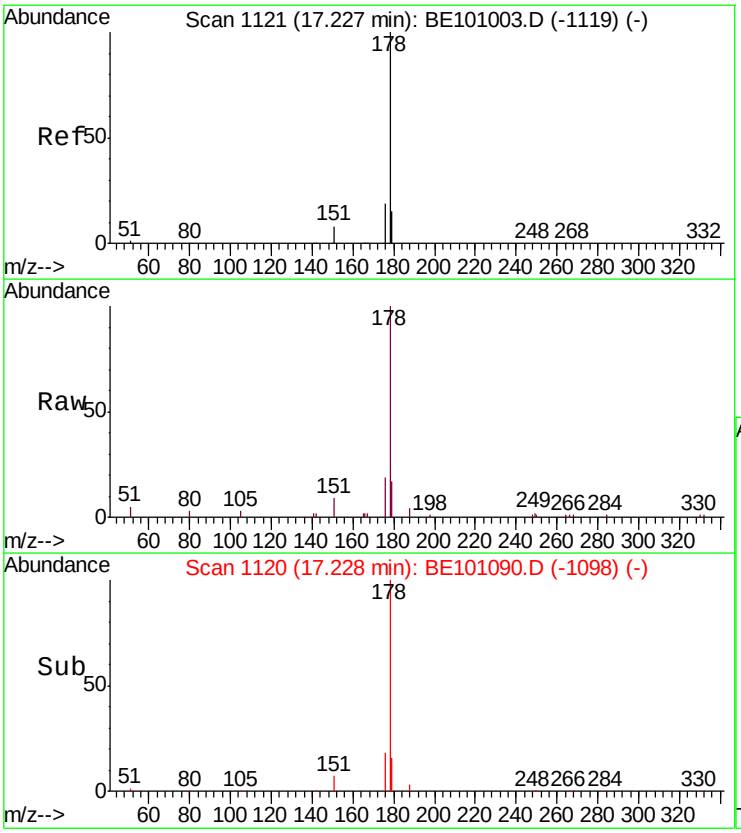
#23
Phenanthrene
Concen: 0.360 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:178 Resp: 12886

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	16.0	12.0	18.0

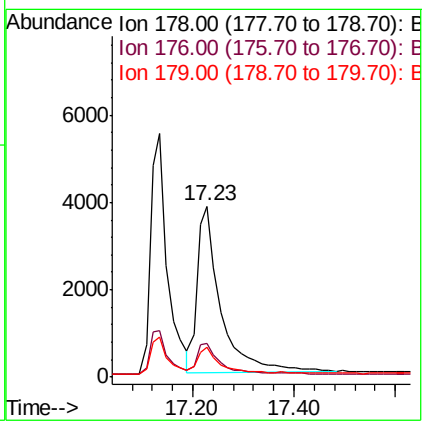


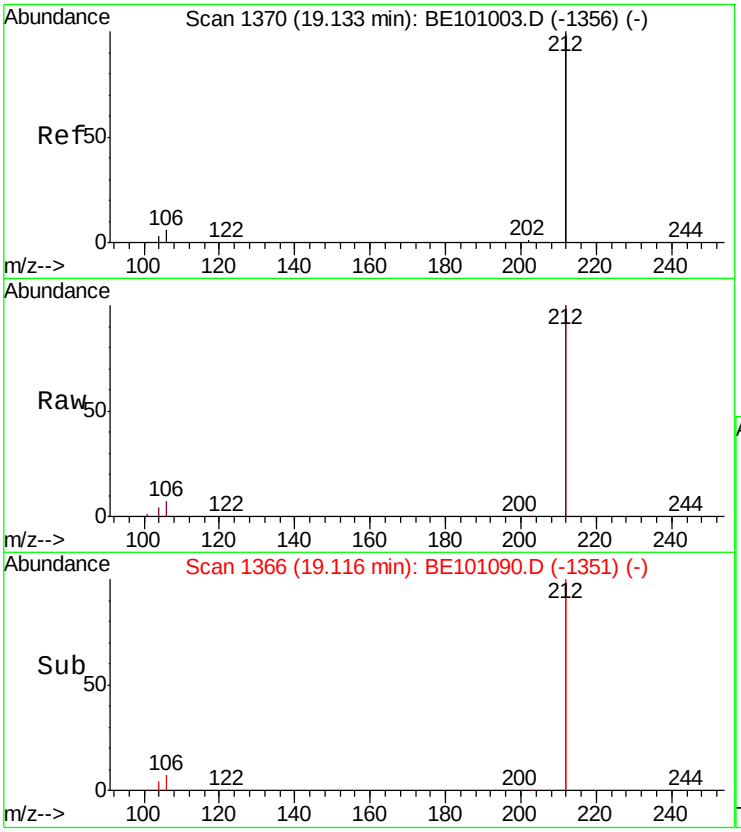


#24
Anthracene
Concen: 0.368 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:178 Resp: 12420

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	15.9	12.4	18.6



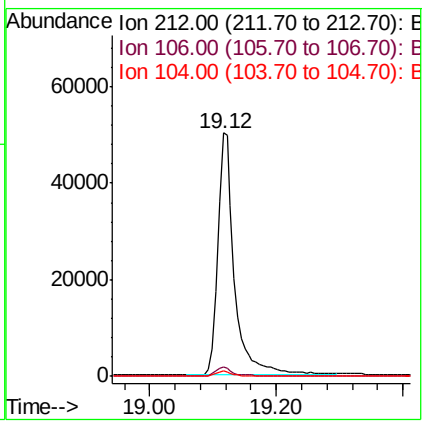


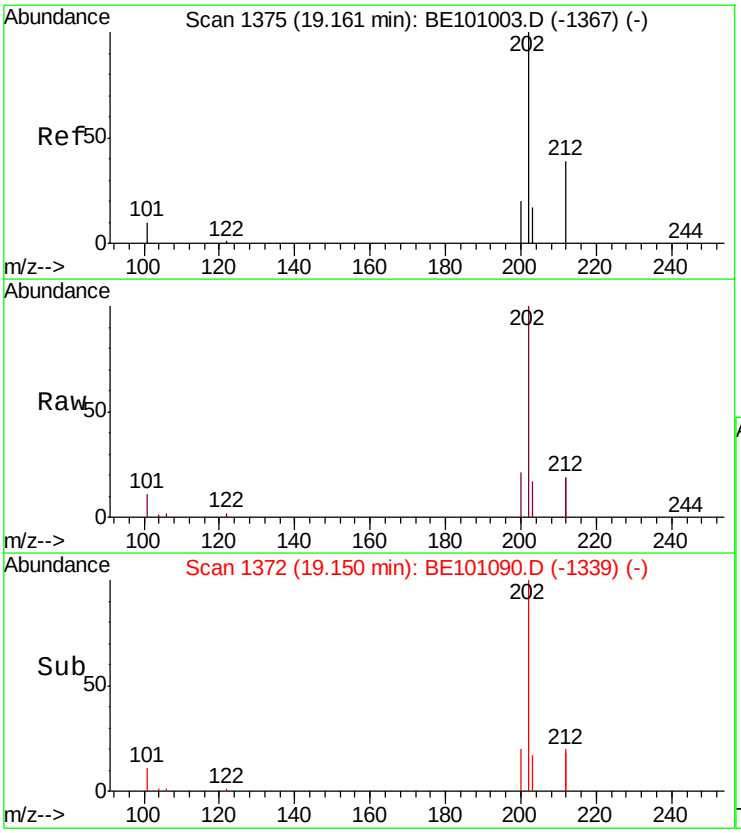
#25
Fluoranthene-d10
Concen: 0.510 ng
RT: 19.12 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:212 Resp: 92807

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.6	3.8
104	2.0	1.4	2.0

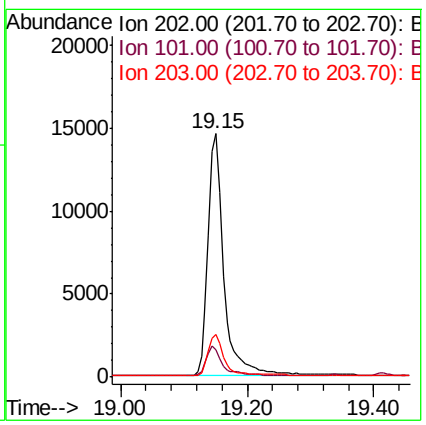


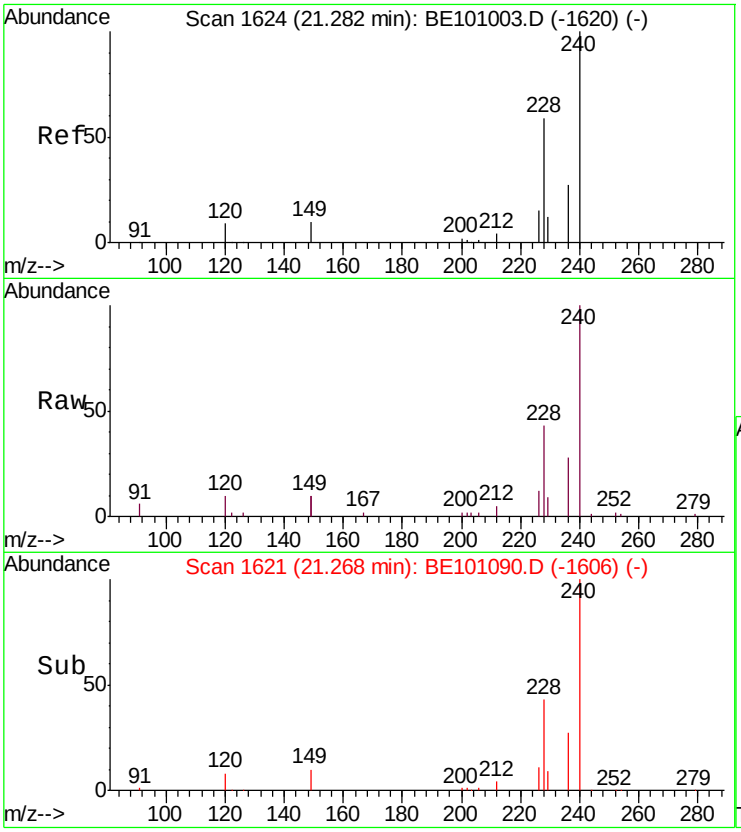


#26
Fluoranthene
Concen: 0.565 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:202 Resp: 25327

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.6	14.4
203	16.6	13.8	20.6



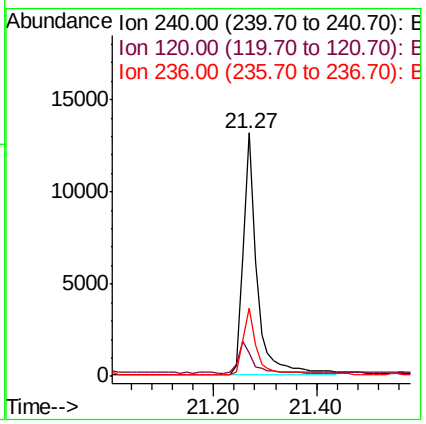


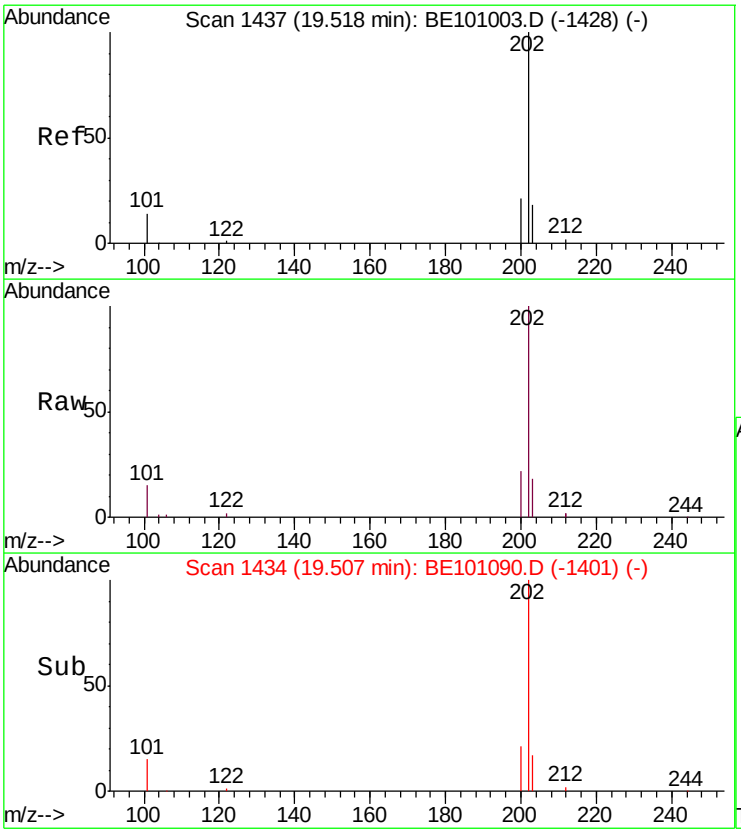
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:240 Resp: 24416

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.6	13.0
236	27.9	22.2	33.4

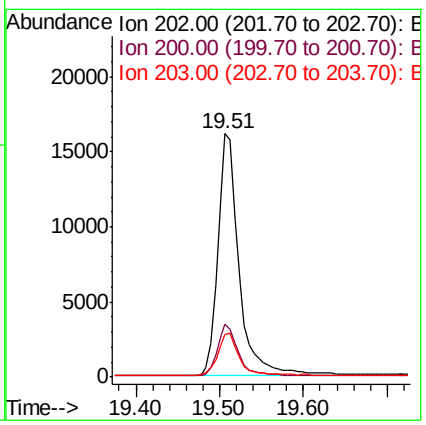


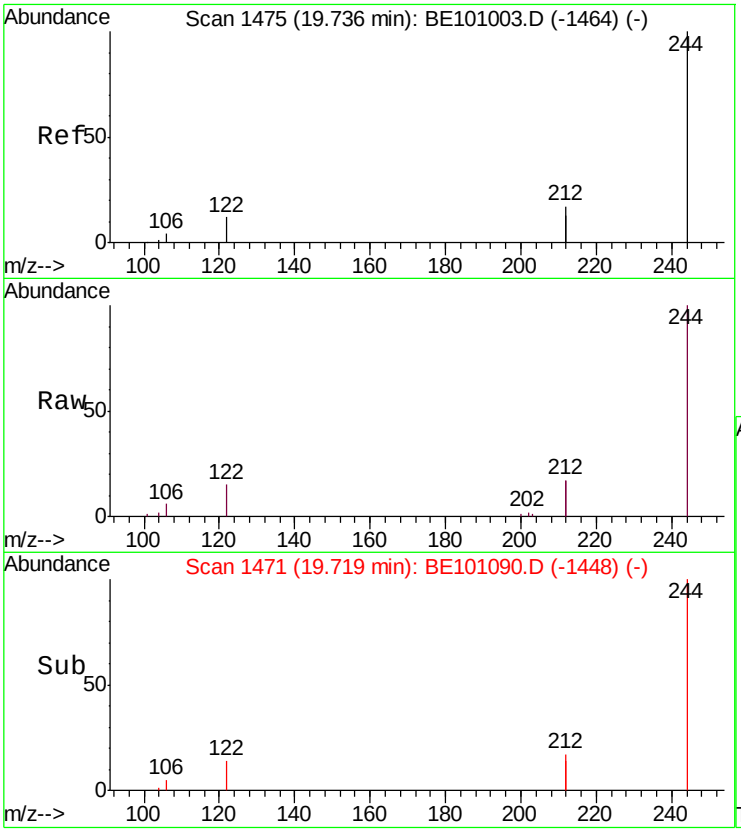


#28
Pyrene
Concen: 0.312 ng
RT: 19.51 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:202 Resp: 28361

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.9	13.8	20.6



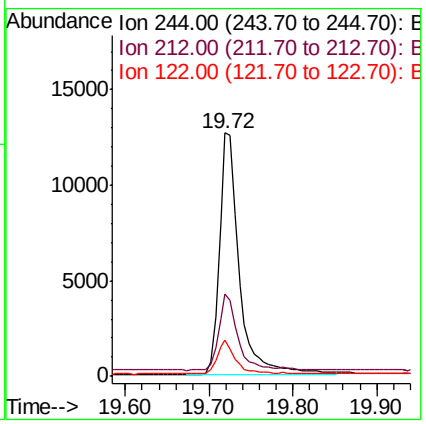


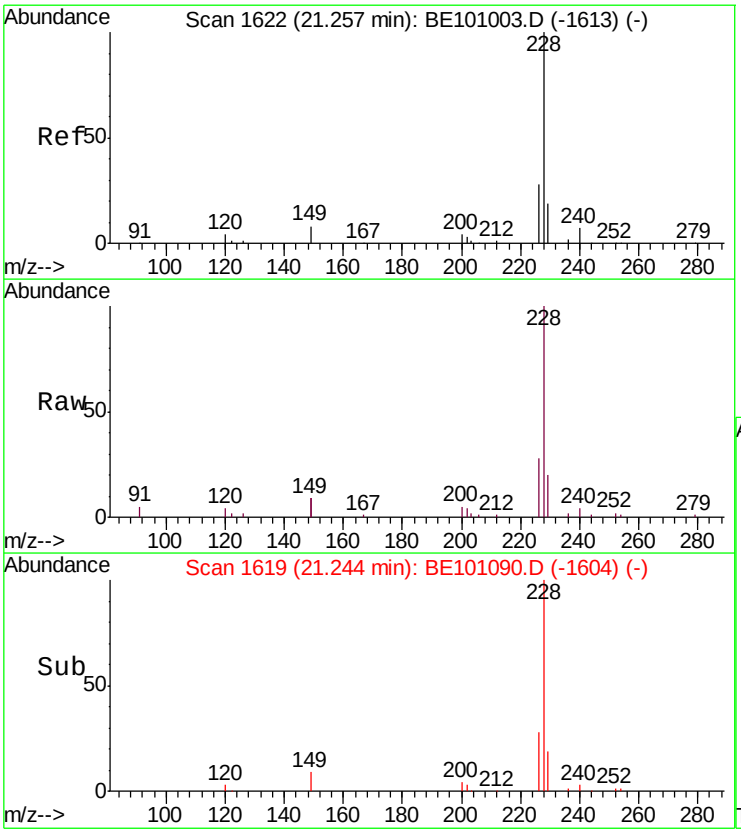
#29
Terphenyl-d14
Concen: 0.354 ng
RT: 19.72 min Scan# 1471
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:244 Resp: 21212

Ion	Ratio	Lower	Upper
244	100		
212	33.9	27.2	40.8
122	14.8	9.8	14.8#

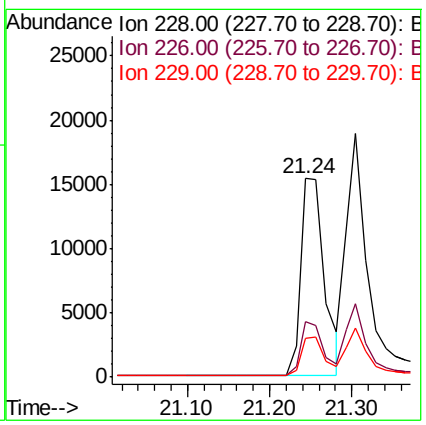


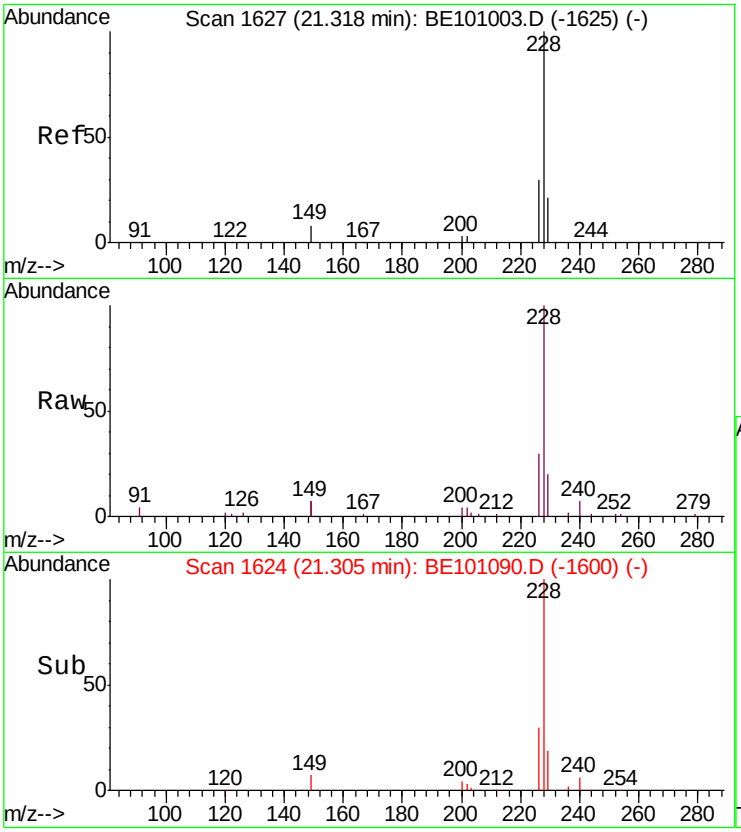


#30
Benzo(a)anthracene
Concen: 0.439 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:228 Resp: 30571

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	19.8	15.5	23.3



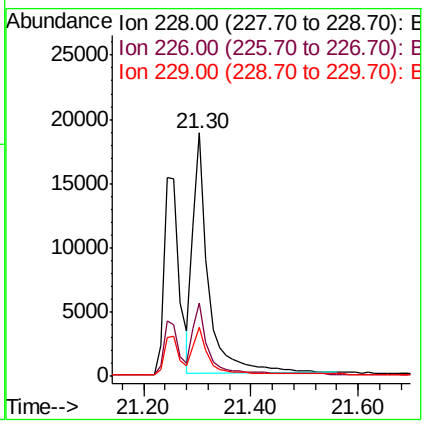


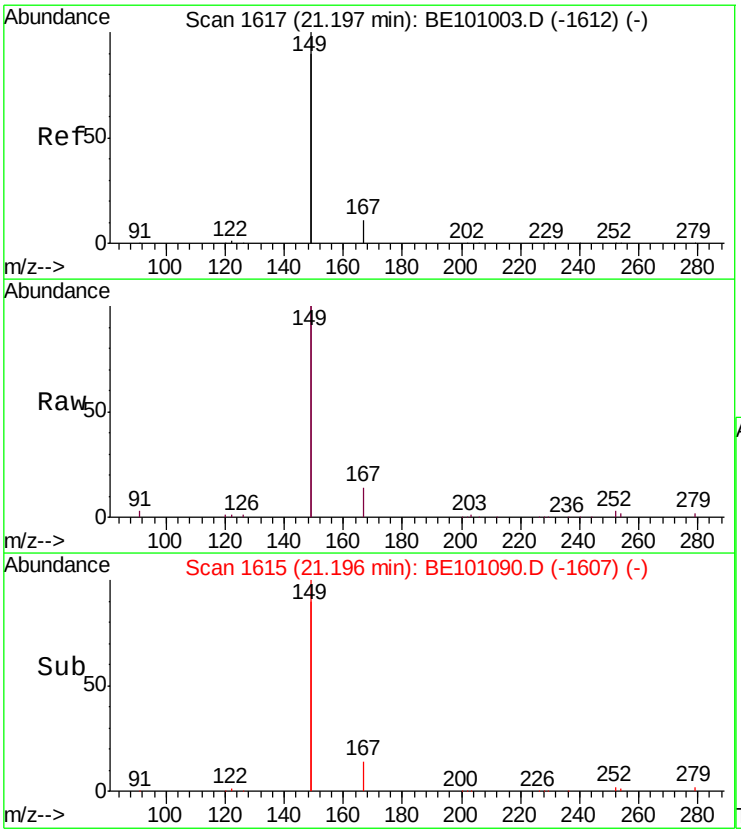
#31
Chrysene
Concen: 0.364 ng
RT: 21.30 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:228 Resp: 37686

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	20.1	16.7	25.1

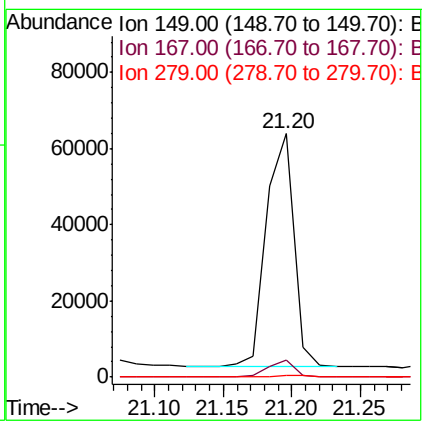


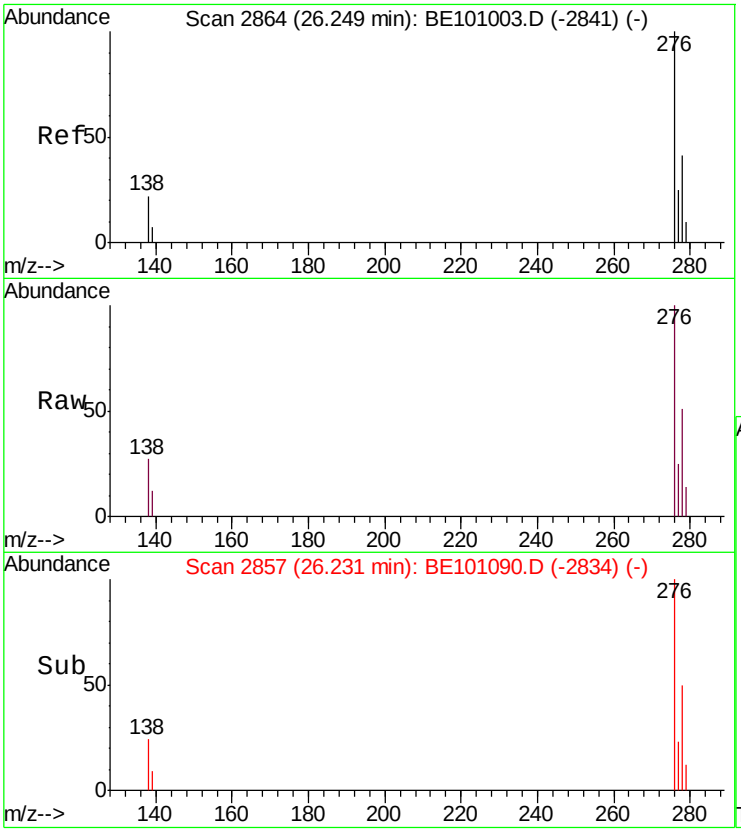


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.735 ng
RT: 21.20 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:149 Resp: 85388

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	0.8	0.8	1.2#



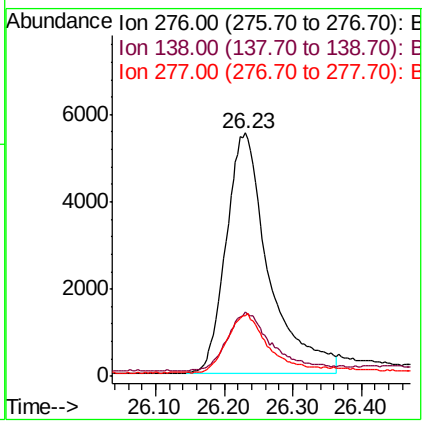


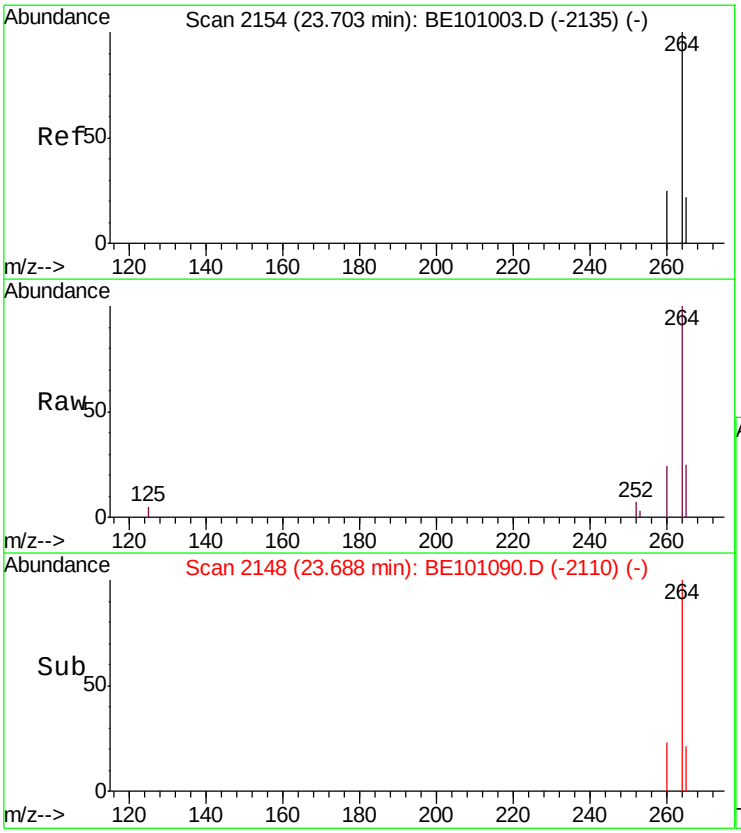
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.290 ng
RT: 26.23 min Scan# 2857
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:276 Resp: 23693

Ion	Ratio	Lower	Upper
276	100		
138	25.8	16.1	24.1#
277	23.5	18.1	27.1

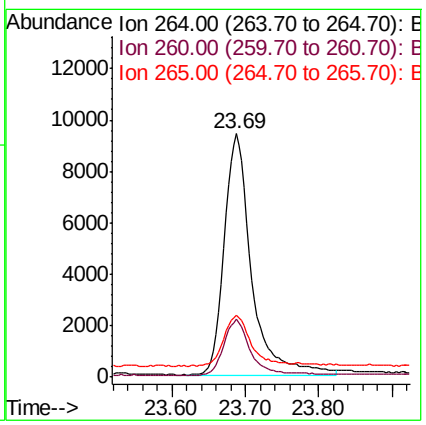


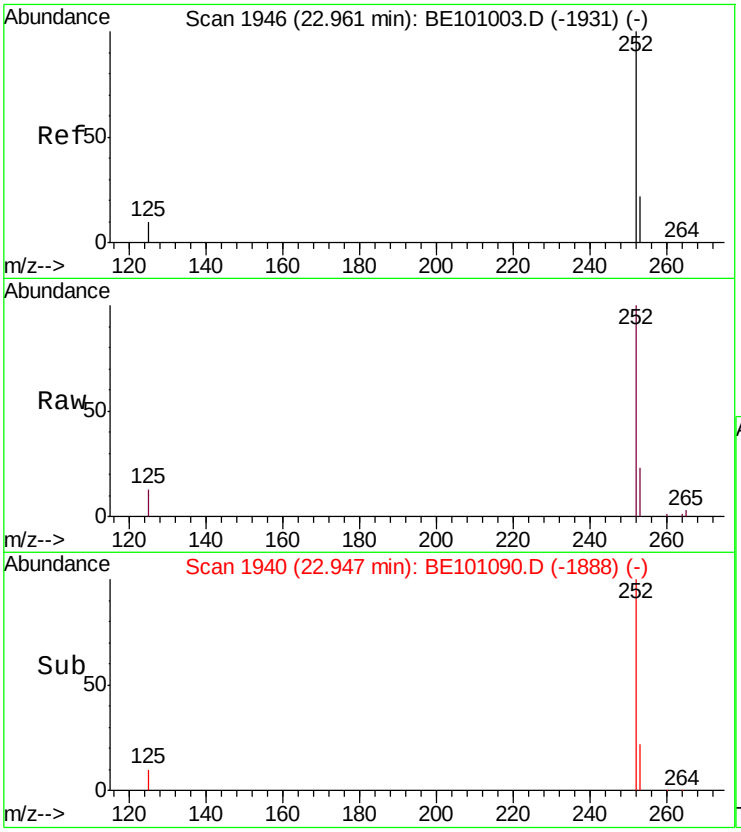


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:264 Resp: 24515

Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.3	30.5
265	25.2	27.0	40.4#



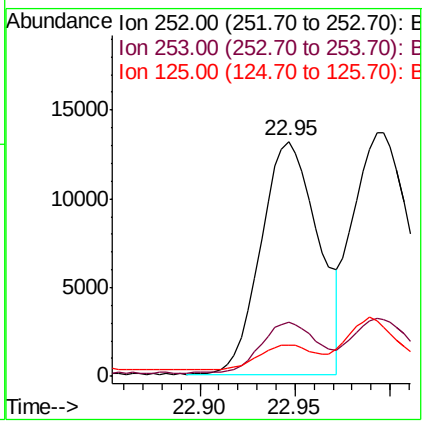


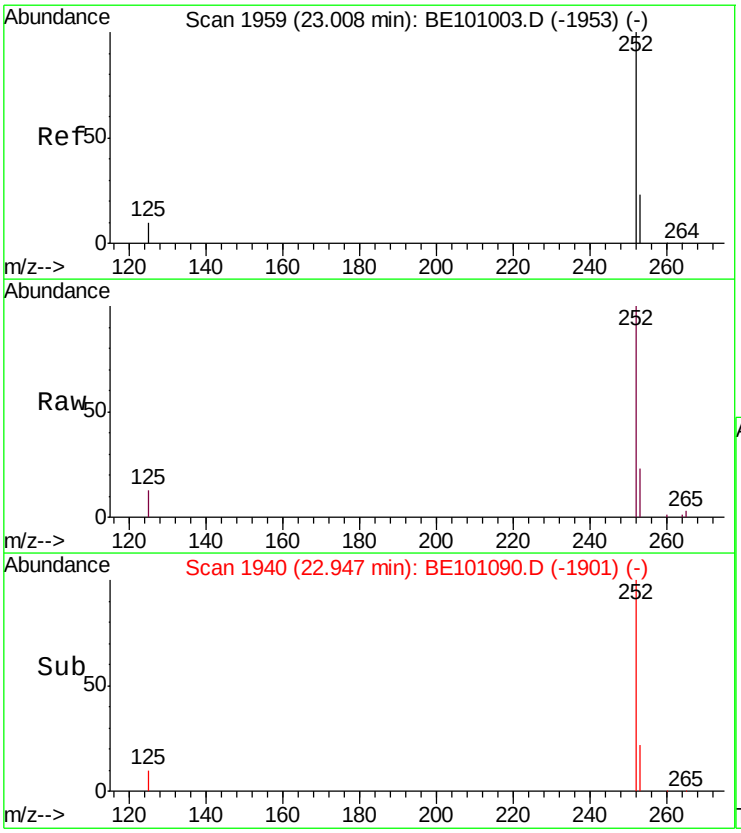
#35
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 22.95 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:252 Resp: 27449

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	13.4	9.5	14.3

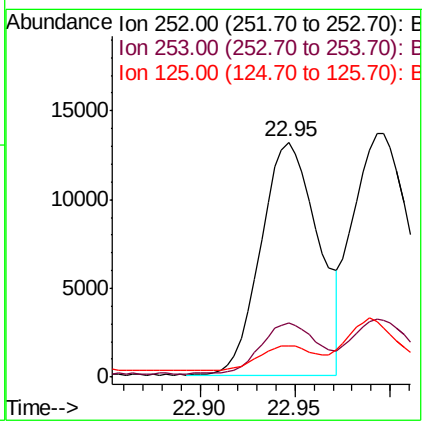


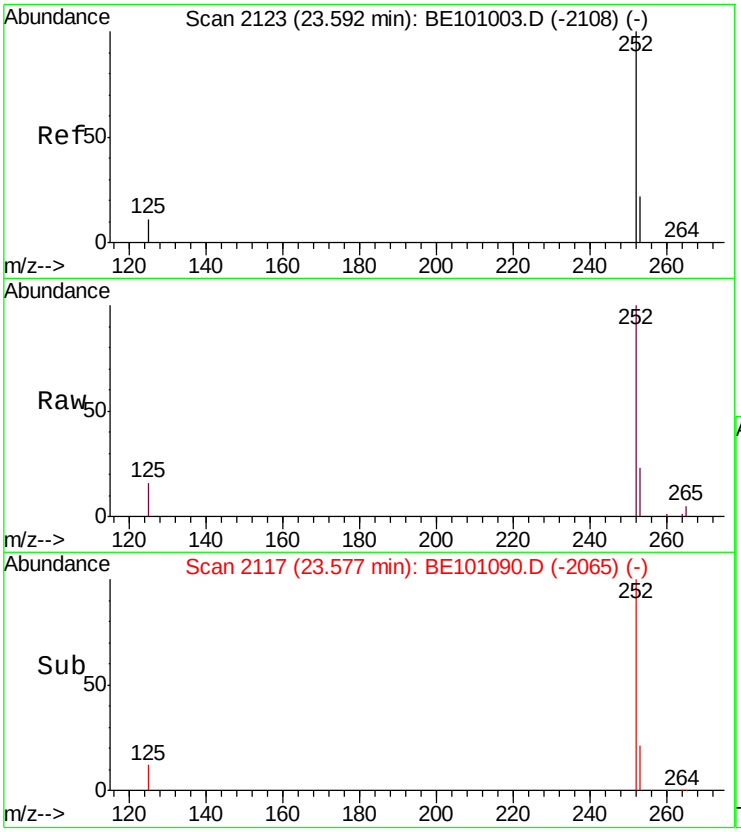


#36
Benzo(k)fluoranthene
Concen: 0.276 ng
RT: 22.95 min Scan# 1940
Delta R.T. -0.06 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:252 Resp: 27449

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	13.4	10.1	15.1



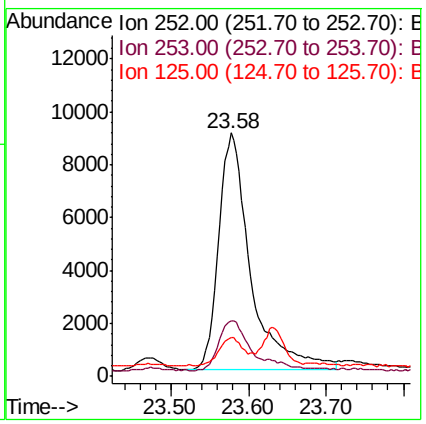


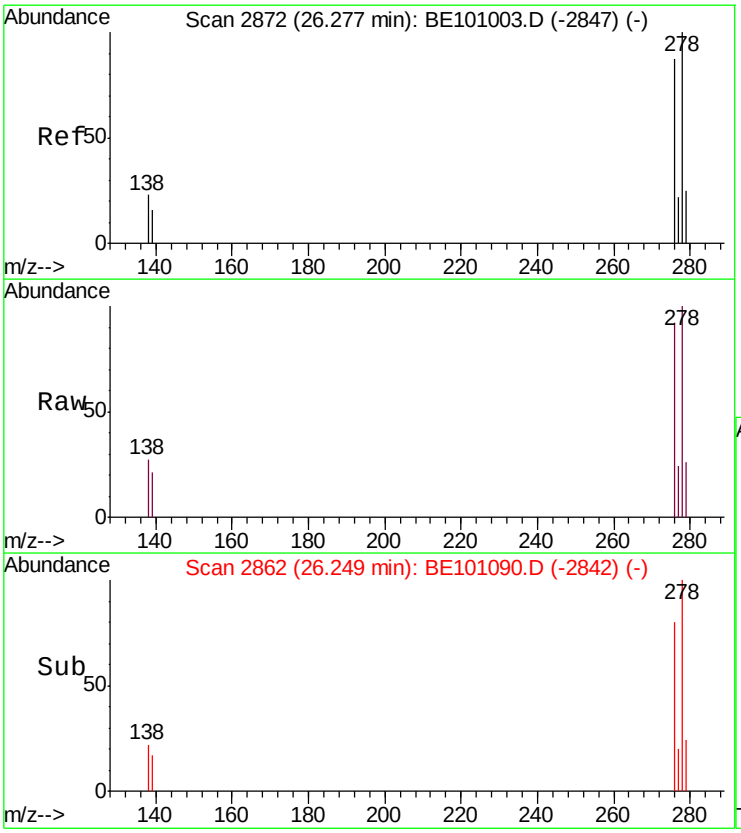
#37
Benzo(a)pyrene
Concen: 0.387 ng
RT: 23.58 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:252 Resp: 25752

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.2
125	15.7	11.8	17.6

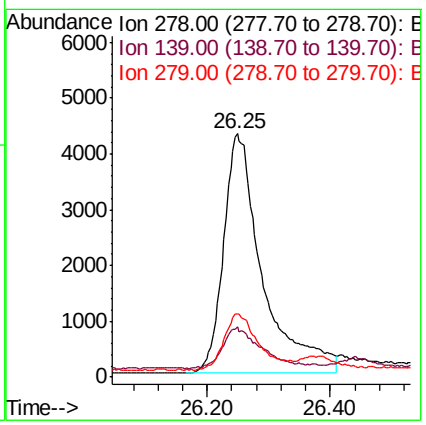


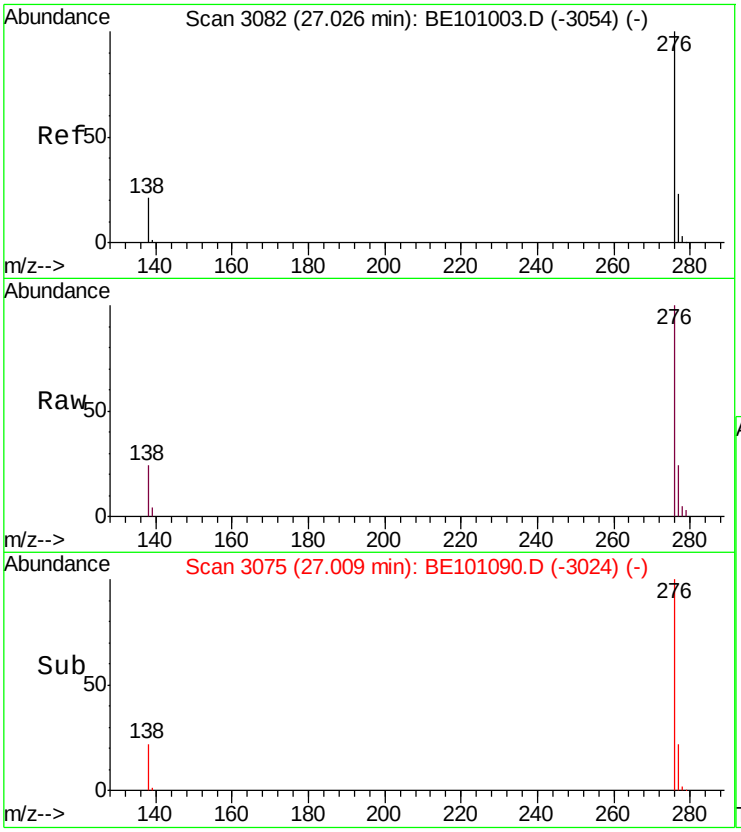


#38
Dibenzo(a,h)anthracene
Concen: 0.305 ng
RT: 26.25 min Scan# 2862
Delta R.T. -0.03 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:278 Resp: 18651

Ion	Ratio	Lower	Upper
278	100		
139	20.6	15.0	22.4
279	26.2	22.6	33.8





#39
Benzo(g,h,i)perylene
Concen: 0.295 ng
RT: 27.01 min Scan# 3075
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:276 Resp: 22200

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.2
138	24.1	17.9	26.9