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

Quantitation Report (Not Reviewed)

Data File : BE101091.D
Acq On : 17 Jan 2020 18:57
Operator : JU
Sample : L1167-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PF-1MSD

Quant Time: Jan 17 23:21:24 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	1162	0.40	ng		-0.02
7) Naphthalene-d8	10.50	136	4770	0.40	ng		0.00
13) Acenaphthene-d10	14.36	164	3537	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	10665	0.40	ng		0.00
27) Chrysene-d12	21.27	240	22750	0.40	ng		-0.01
34) Perylene-d12	23.68	264	24951	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	1129	0.43	ng		0.00
5) Phenol-d6	6.90	99	1582	0.48	ng		-0.02
8) Nitrobenzene-d5	8.87	82	1245	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.09	152	2921	0.32	ng		-0.02
14) 2,4,6-Tribromophenol	15.85	330	356	0.36	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	4660	0.35	ng		-0.02
25) Fluoranthene-d10	19.12	212	69558	0.47	ng		-0.01
29) Terphenyl-d14	19.73	244	15886	0.28	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	915	0.293	ng	#	27
3) n-Nitrosodimethylamine	3.58	42	821	0.508	ng	#	73
6) bis(2-Chloroethyl)ether	7.15	93	1070	0.272	ng		98
9) Naphthalene	10.55	128	19442	0.367	ng	#	98
10) Hexachlorobutadiene	10.83	225	767	0.342	ng		98
12) 2-Methylnaphthalene	12.17	142	2909	0.363	ng		96
16) Acenaphthylene	14.07	152	4927	0.342	ng		99
17) Acenaphthene	14.41	154	3410	0.331	ng		98
18) Fluorene	15.39	166	4521	0.347	ng		99
20) 4-Bromophenyl-phenylether	16.29	248	1480	0.285	ng		94
21) Hexachlorobenzene	16.40	284	1561	0.274	ng		100
22) Pentachlorophenol	16.76	266	196	0.348	ng		93
23) Phenanthrene	17.13	178	9706	0.333	ng		99
24) Anthracene	17.23	178	9621	0.350	ng		96
26) Fluoranthene	19.15	202	19400	0.532	ng		100
28) Pyrene	19.51	202	22636	0.267	ng		99
30) Benzo(a)anthracene	21.26	228	26154	0.403	ng		97
31) Chrysene	21.30	228	33518	0.347	ng		99
32) Bis(2-ethylhexyl)phthalate	21.20	149	70364	0.650	ng		100
33) Indeno(1,2,3-cd)pyrene	26.22	276	23280	0.305	ng	#	95
35) Benzo(b)fluoranthene	22.95	252	24432	0.349	ng		97
36) Benzo(k)fluoranthene	22.95	252	24432	0.241	ng		99
37) Benzo(a)pyrene	23.58	252	24682	0.365	ng		98
38) Dibenzo(a,h)anthracene	26.25	278	17747	0.285	ng		97
39) Benzo(g,h,i)perylene	27.01	276	21135	0.276	ng		98

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

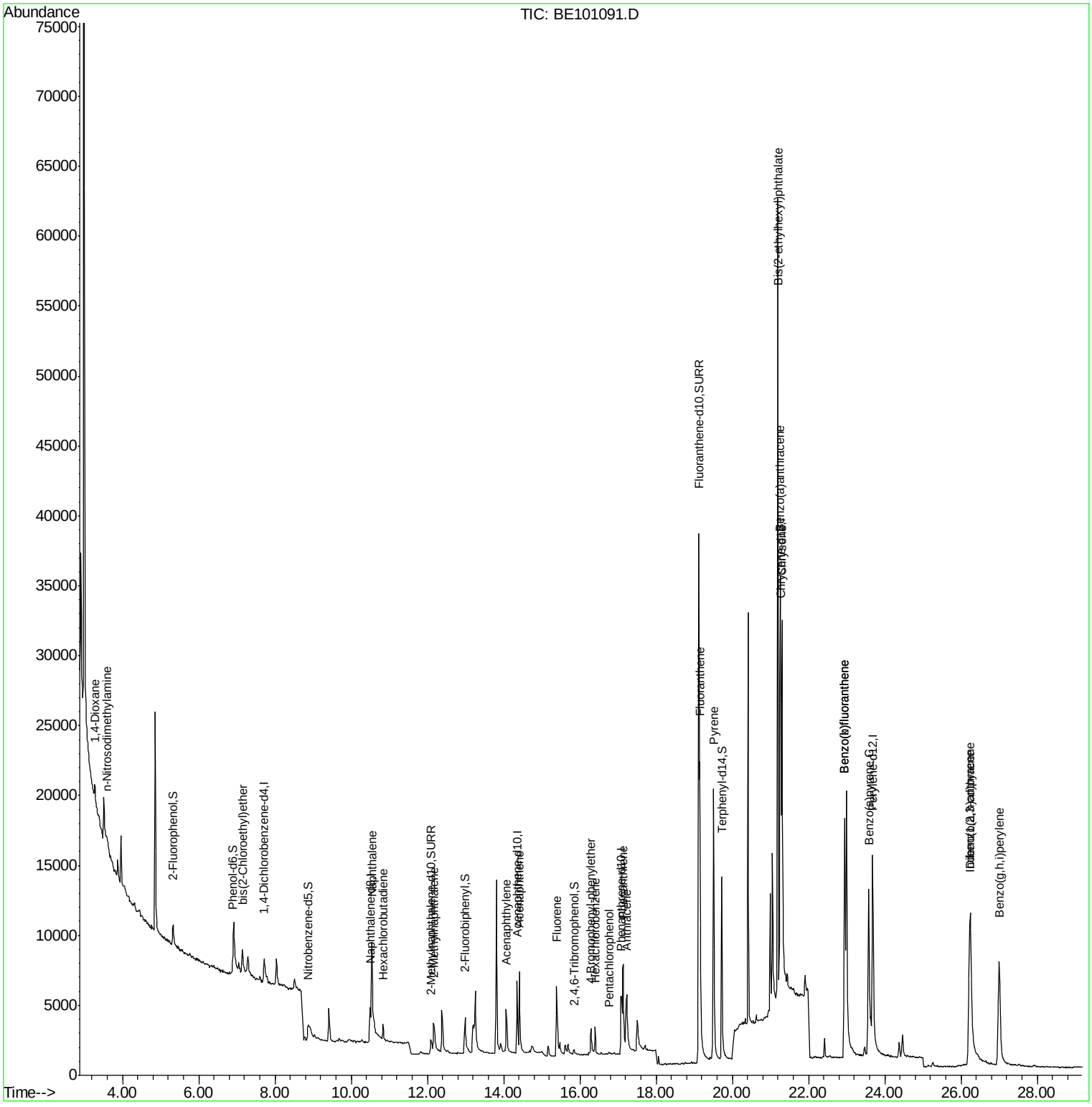
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE011720\

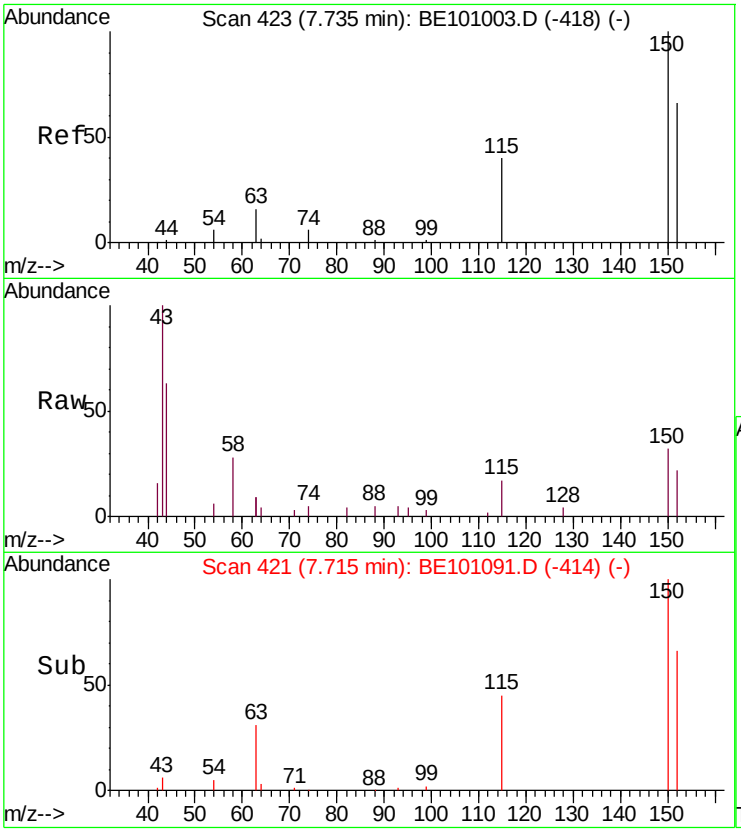
Quantitation Report (Not Reviewed)

Data File : BE101091.D
Acq On : 17 Jan 2020 18:57
Operator : JU
Sample : L1167-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PF-1MSD

Quant Time: Jan 17 23:21:24 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



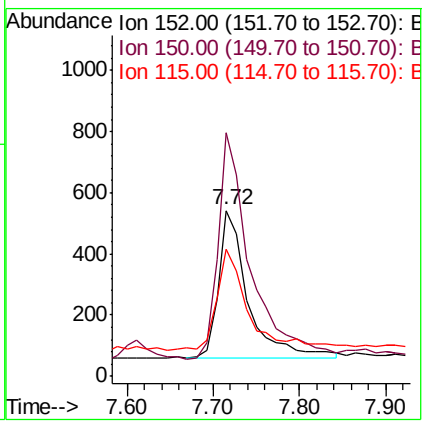


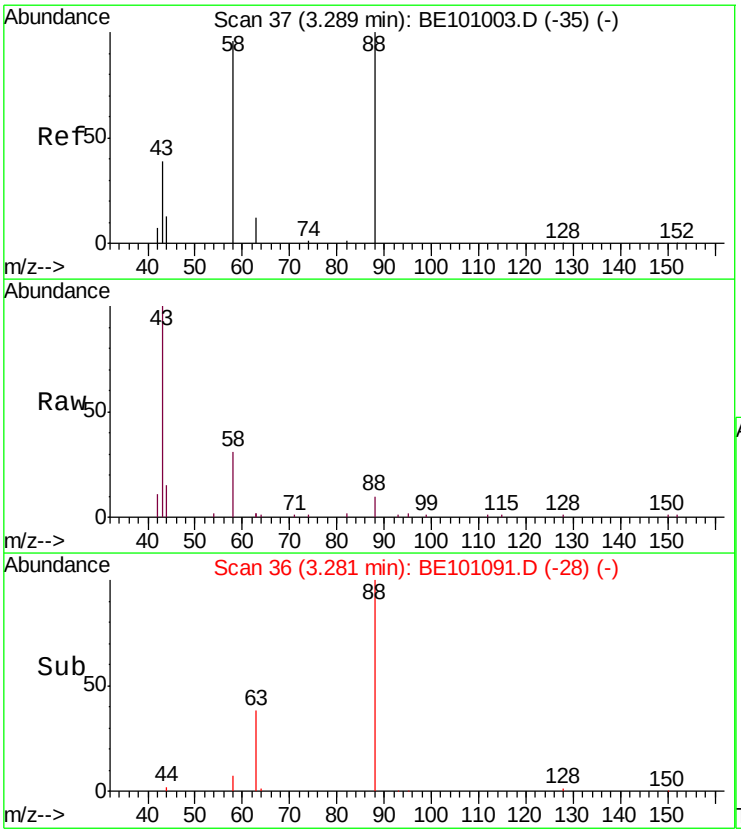
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:152 Resp: 1162

Ion	Ratio	Lower	Upper
152	100		
150	146.9	120.3	180.5
115	76.6	51.7	77.5

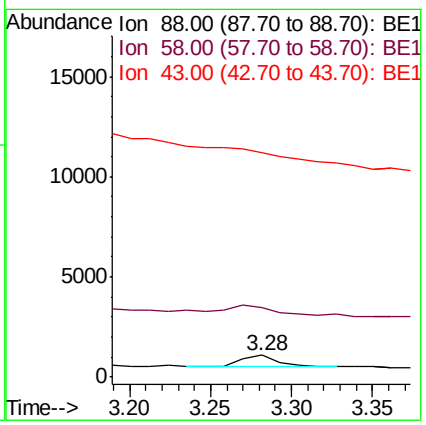


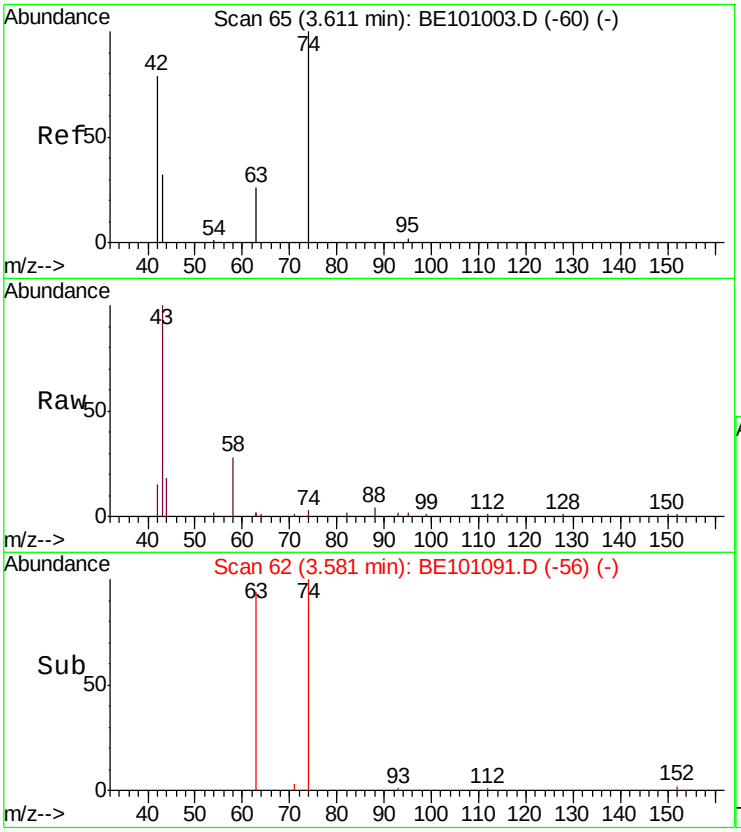


#2
1,4-Dioxane
Concen: 0.293 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion: 88 Resp: 915

Ion	Ratio	Lower	Upper
88	100		
58	130.3	53.0	79.4#
43	0.0	23.4	35.2#



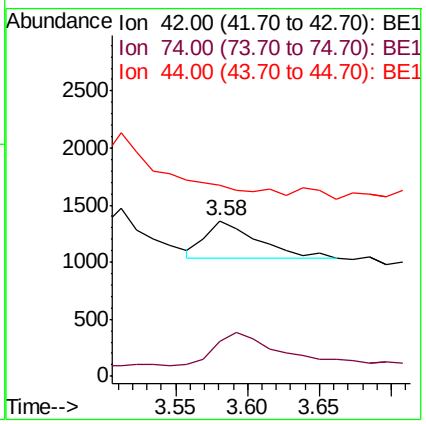


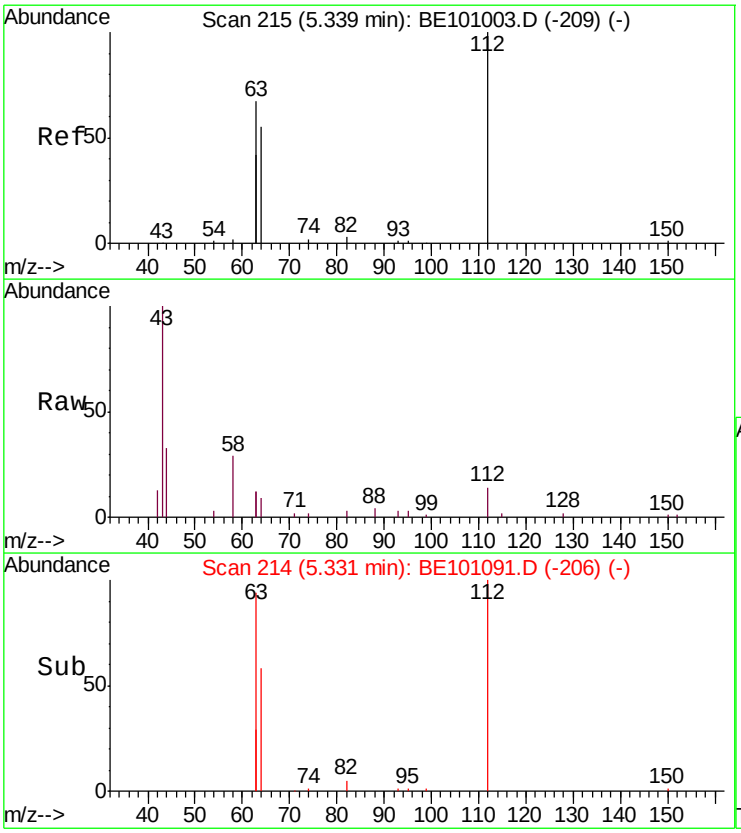
#3
n-Nitrosodimethylamine
Concen: 0.508 ng
RT: 3.58 min Scan# 62
Delta R.T. -0.03 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion: 42 Resp: 821

Ion	Ratio	Lower	Upper
42	100		
74	101.5	105.7	158.5#
44	0.0	10.0	15.0#

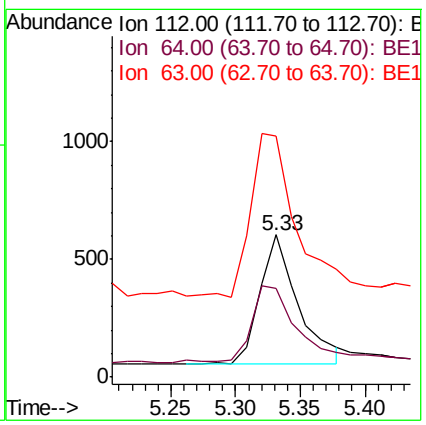


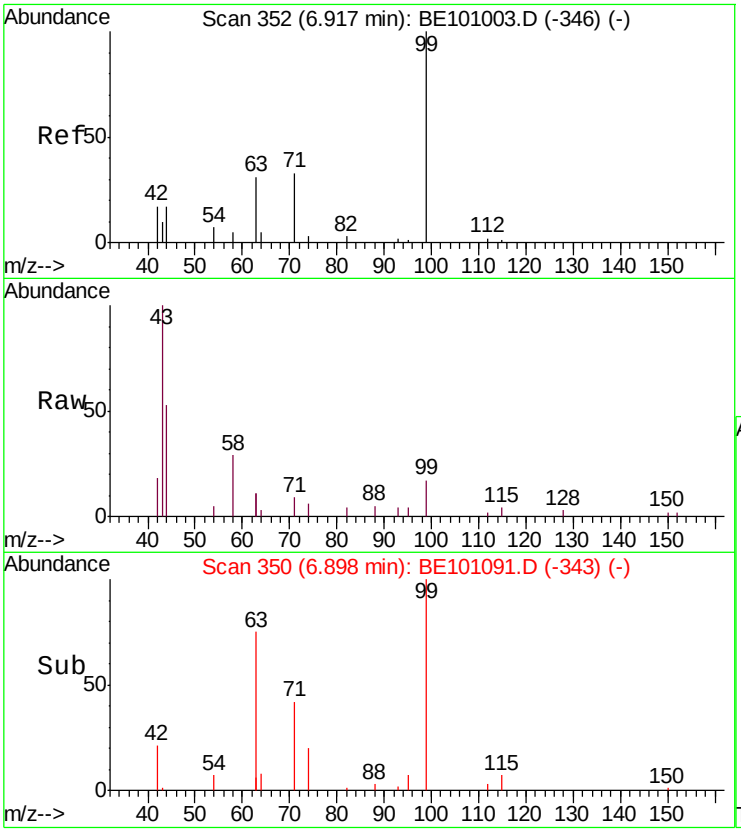


#4
2-Fluorophenol
Concen: 0.432 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:112 Resp: 1129

Ion	Ratio	Lower	Upper
112	100		
64	71.4	53.6	80.4
63	144.5	114.6	172.0



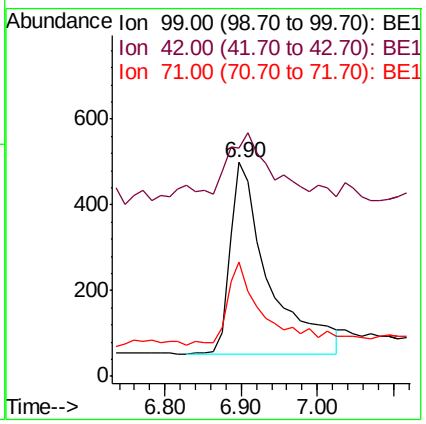


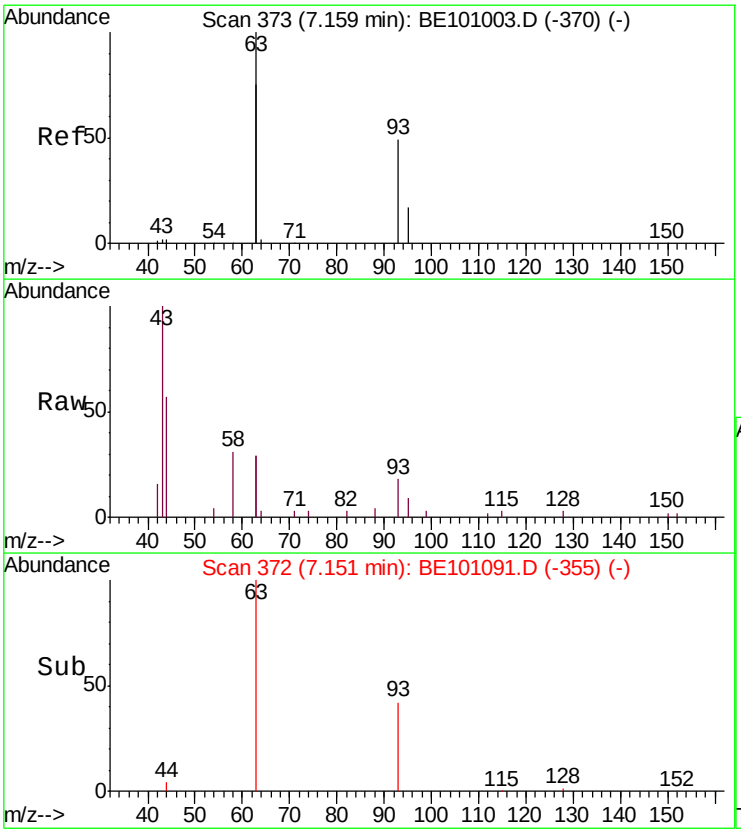
#5
Phenol-d6
Concen: 0.478 ng
RT: 6.90 min Scan# 350
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion: 99 Resp: 1582

Ion	Ratio	Lower	Upper
99	100		
42	28.3	18.3	27.5#
71	42.0	28.0	42.0

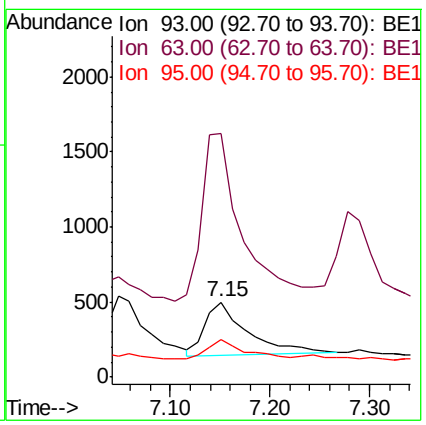


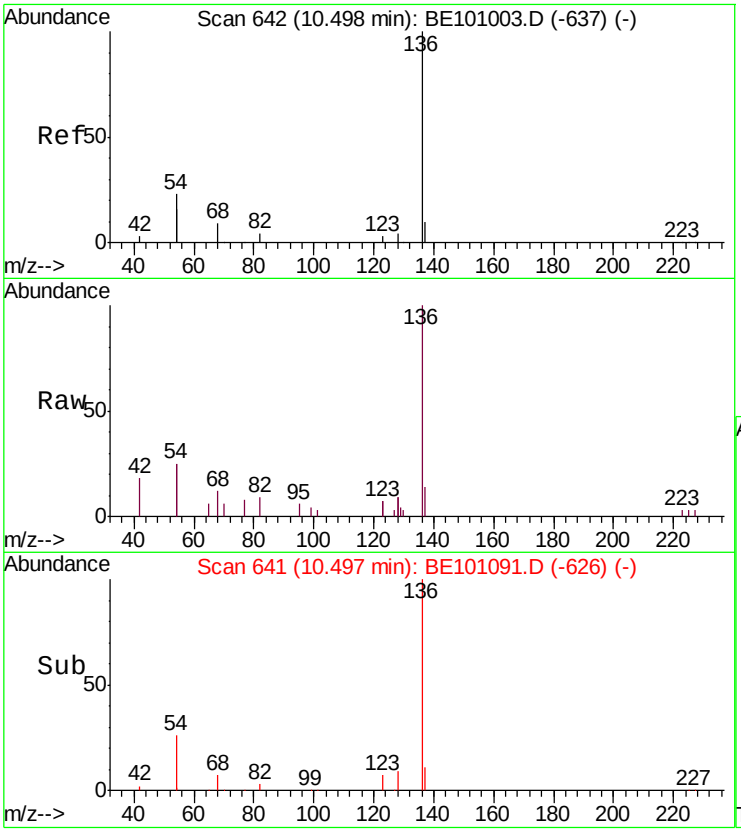


#6
bis(2-Chloroethyl)ether
Concen: 0.272 ng
RT: 7.15 min Scan# 372
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion: 93 Resp: 1070

Ion	Ratio	Lower	Upper
93	100		
63	288.6	233.9	350.9
95	29.3	23.5	35.3



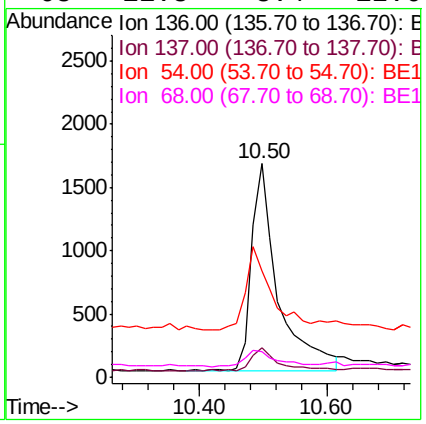


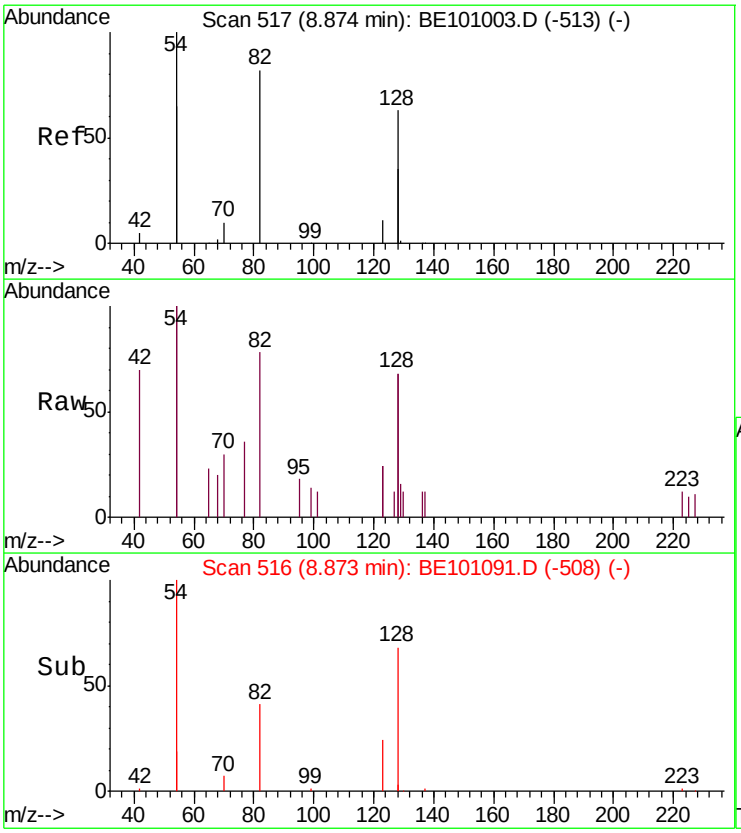
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 641
Delta R.T. -0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:136 Resp: 4770

Ion	Ratio	Lower	Upper
136	100		
137	14.0	9.3	13.9#
54	49.9	36.8	55.2
68	11.8	8.4	12.6

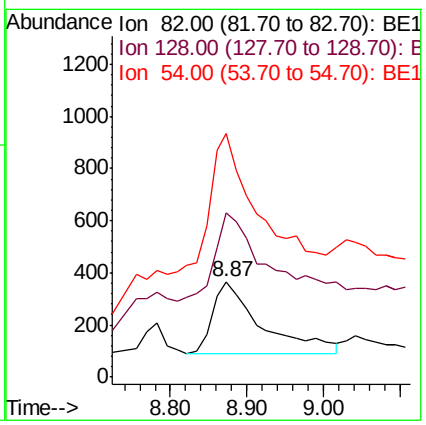


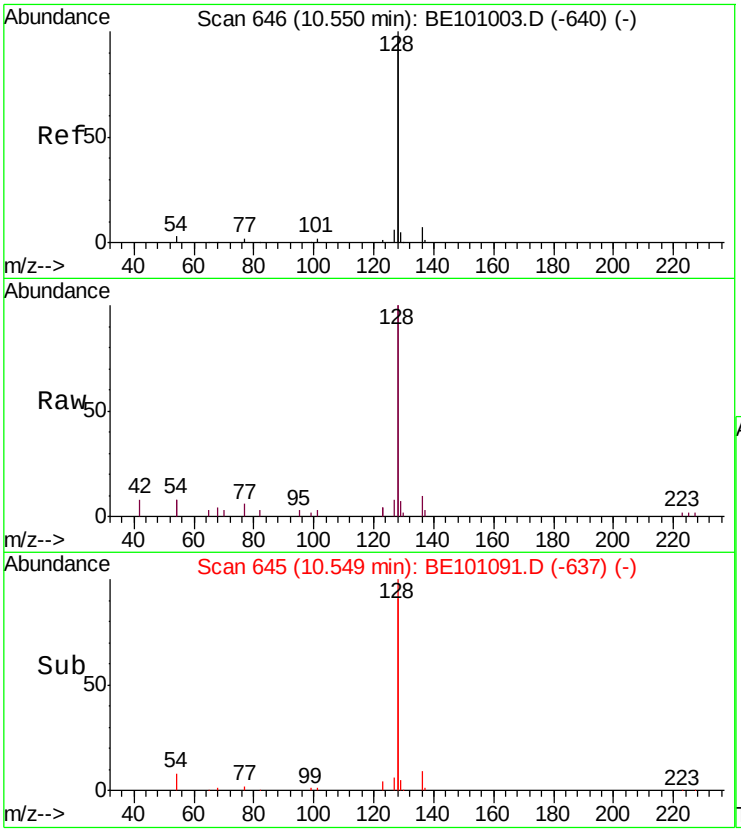


#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 8.87 min Scan# 516
Delta R.T. -0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion: 82 Resp: 1245

Ion	Ratio	Lower	Upper
82	100		
128	173.2	109.8	164.6#
54	255.9	174.5	261.7



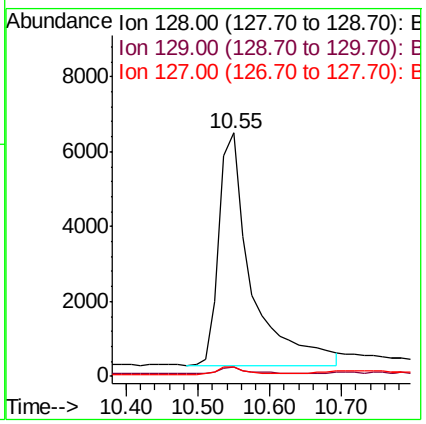


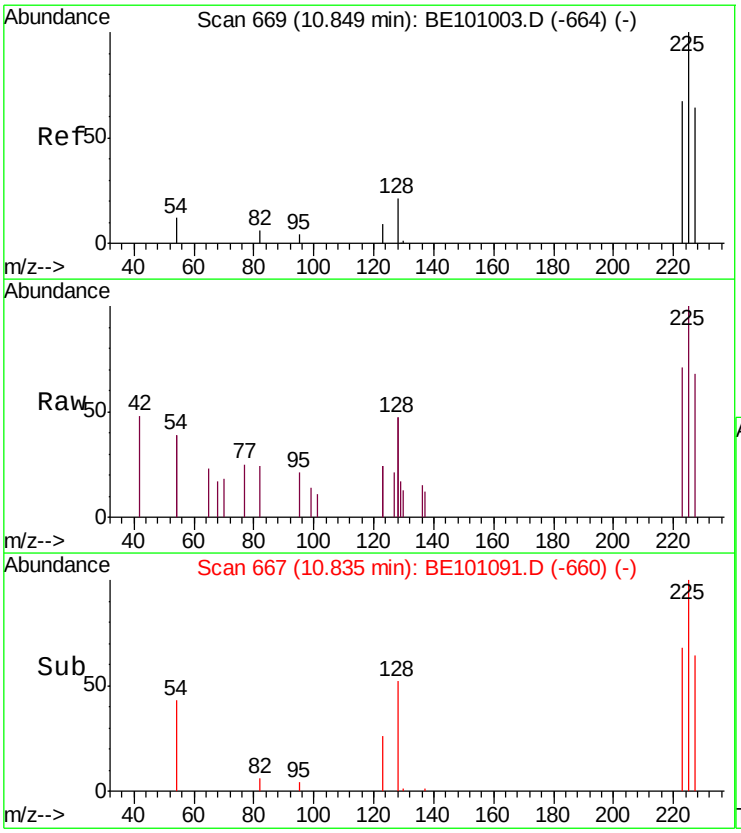
#9
Naphthalene
Concen: 0.367 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:128 Resp: 19442

Ion	Ratio	Lower	Upper
128	100		
129	3.7	2.3	3.5#
127	4.0	2.7	4.1

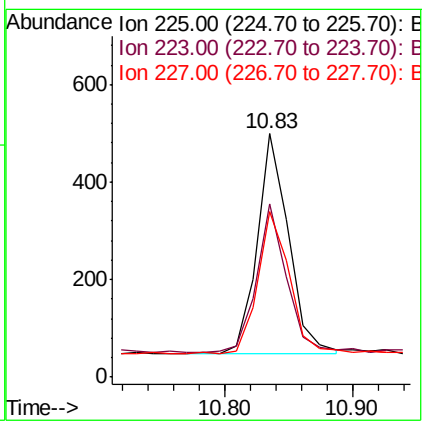


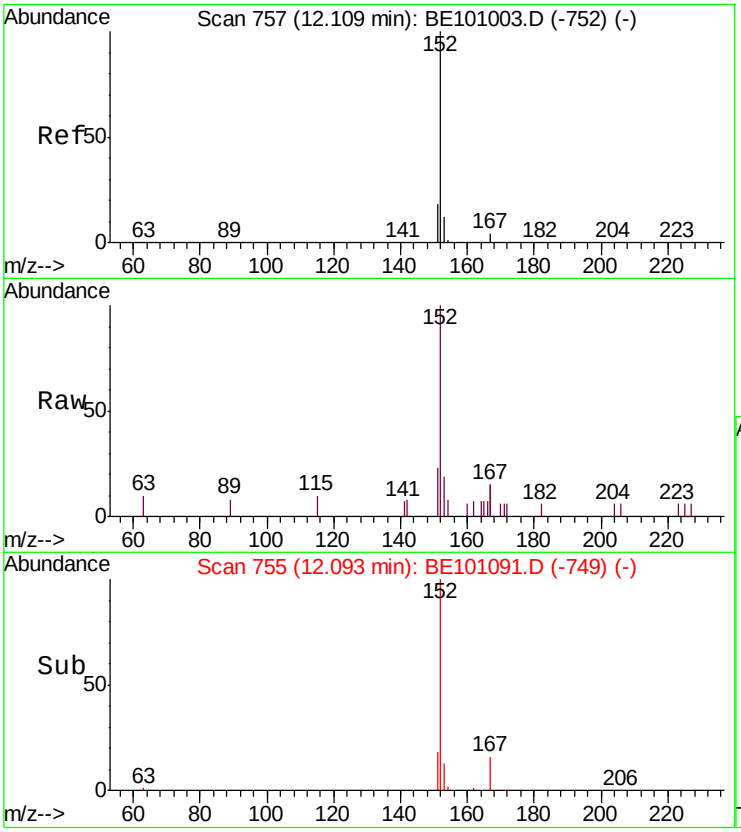


#10
Hexachlorobutadiene
Concen: 0.342 ng
RT: 10.83 min Scan# 667
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:225 Resp: 767

Ion	Ratio	Lower	Upper
225	100		
223	64.0	52.2	78.4
227	64.8	49.9	74.9



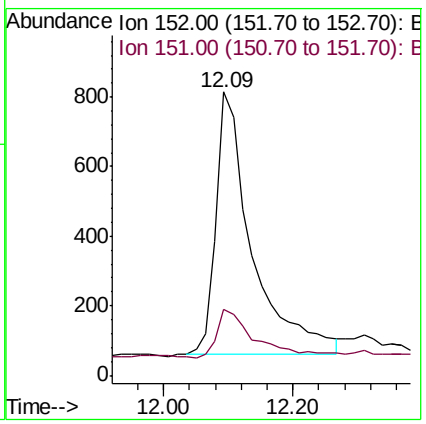


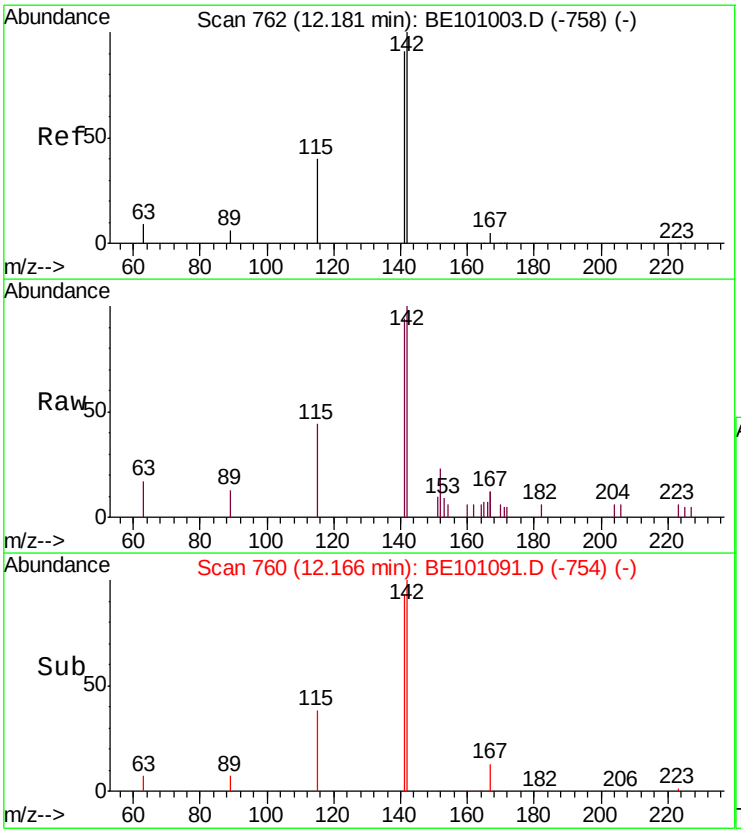
#11
2-Methylnaphthalene-d10
Concen: 0.321 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:152 Resp: 2921

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.0	22.6

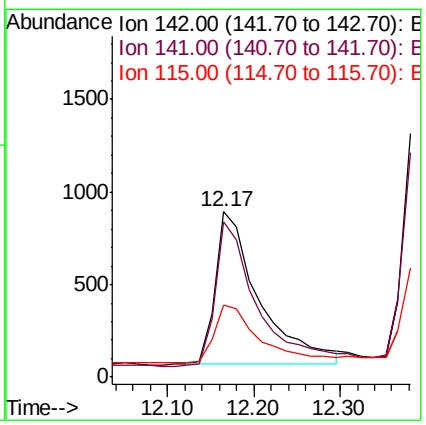


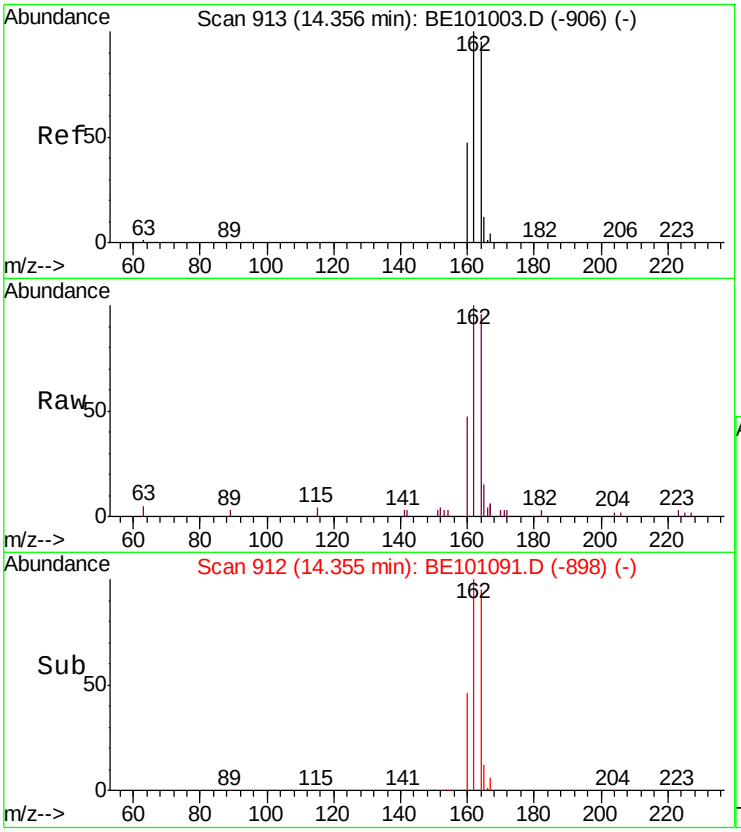


#12
2-Methylnaphthalene
Concen: 0.363 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:142 Resp: 2909

Ion	Ratio	Lower	Upper
142	100		
141	93.9	72.5	108.7
115	44.1	33.0	49.6



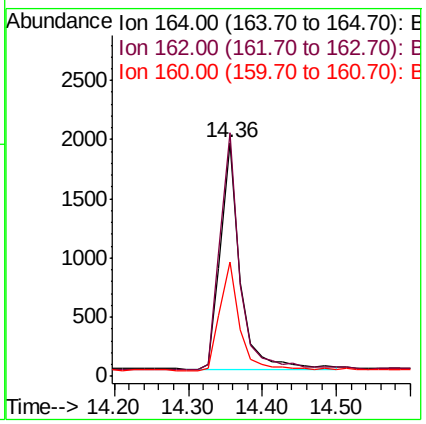


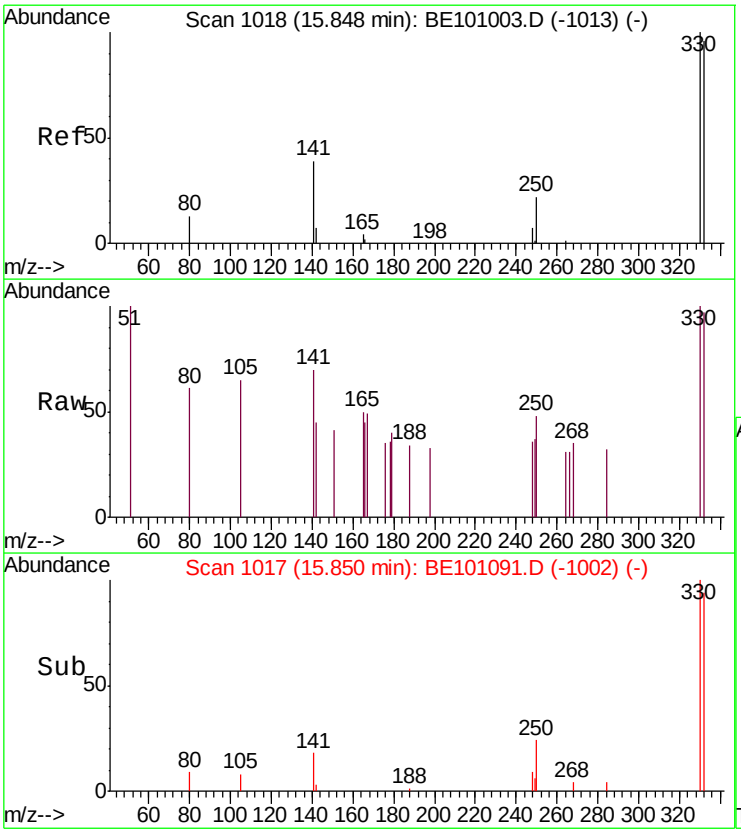
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:164 Resp: 3537

Ion	Ratio	Lower	Upper
164	100		
162	104.1	84.1	126.1
160	49.0	40.4	60.6

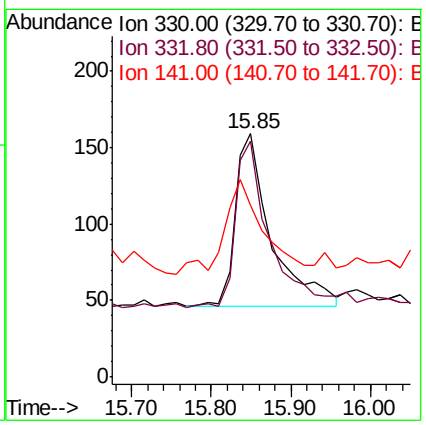


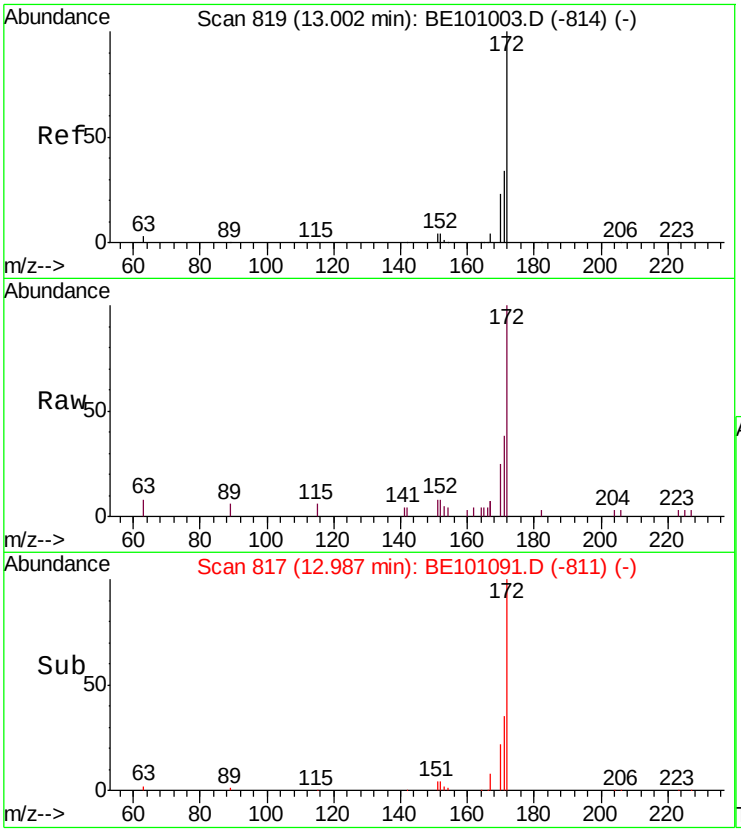


#14
2,4,6-Tribromophenol
Concen: 0.357 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:330 Resp: 356

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.4	117.6
141	60.1	37.0	55.4#



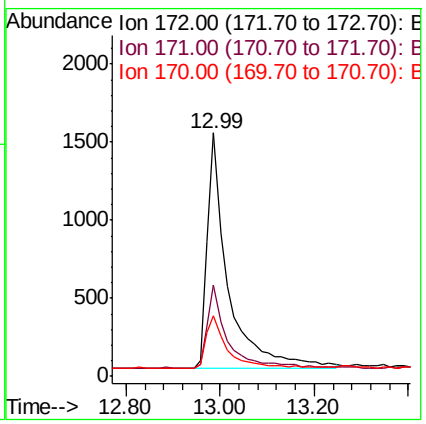


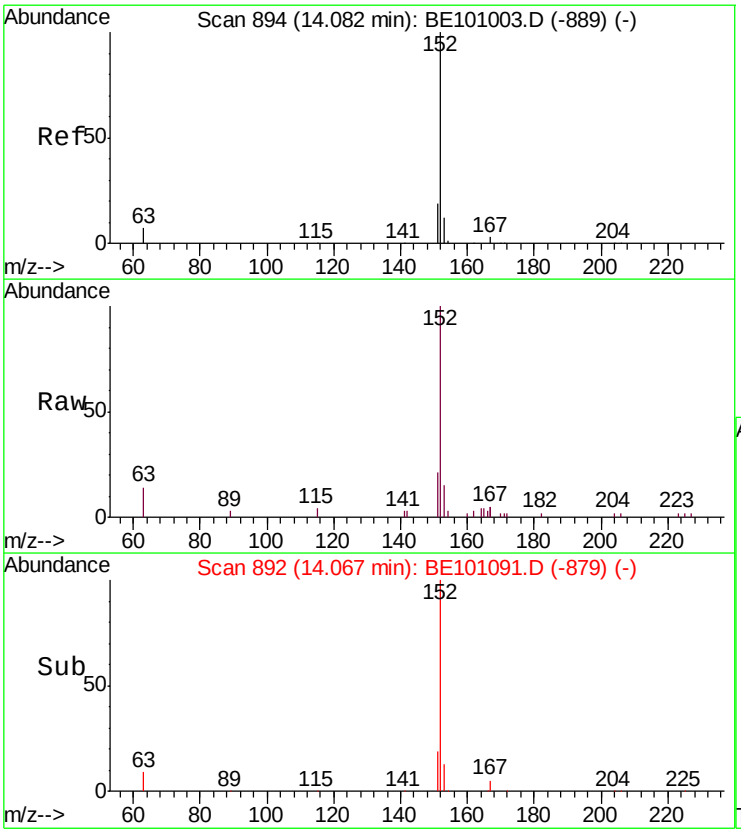
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:172 Resp: 4660

Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.2	42.2
170	24.8	18.9	28.3

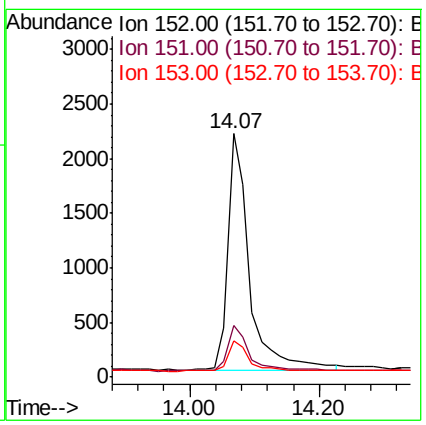


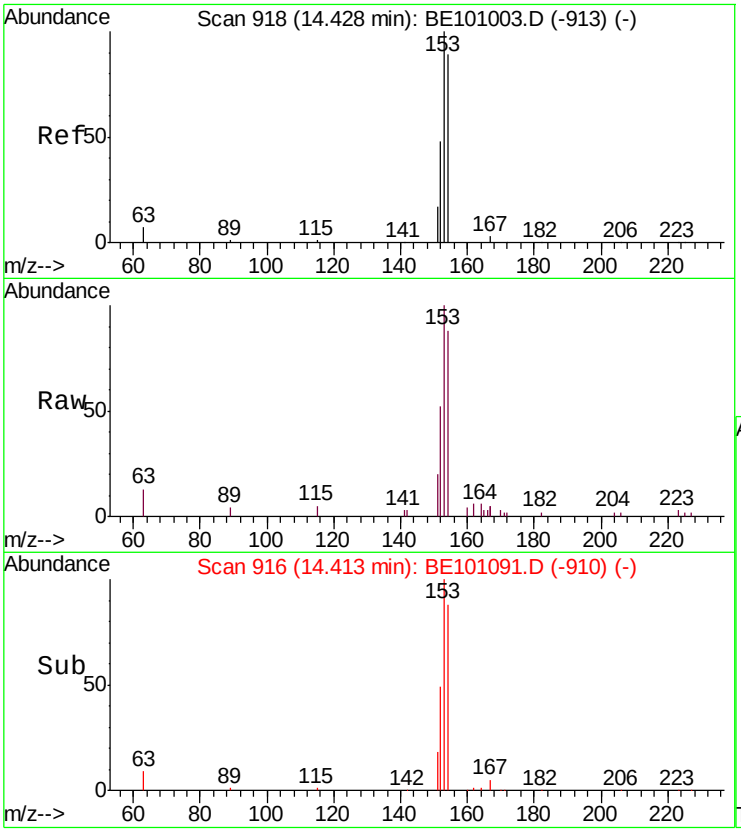


#16
Acenaphthylene
Concen: 0.342 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:152 Resp: 4927

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	13.3	10.4	15.6



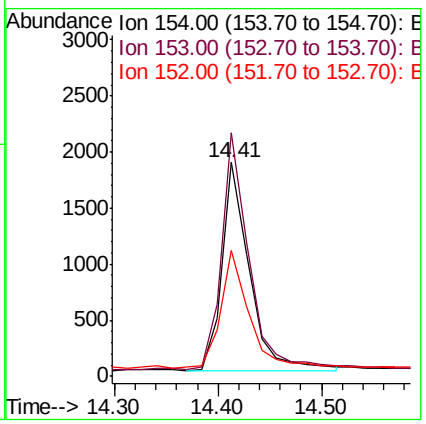


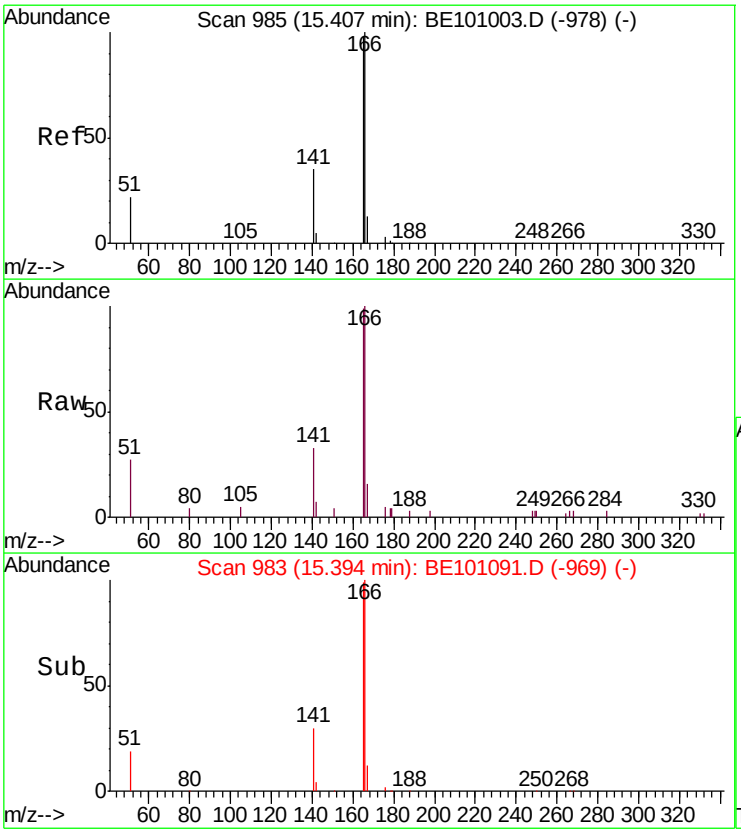
#17
Acenaphthene
Concen: 0.331 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:154 Resp: 3410

Ion	Ratio	Lower	Upper
154	100		
153	113.6	93.6	140.4
152	58.0	46.3	69.5

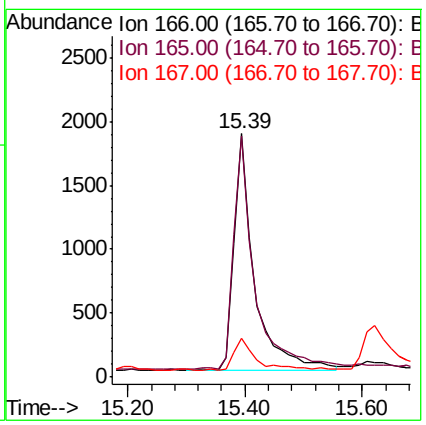


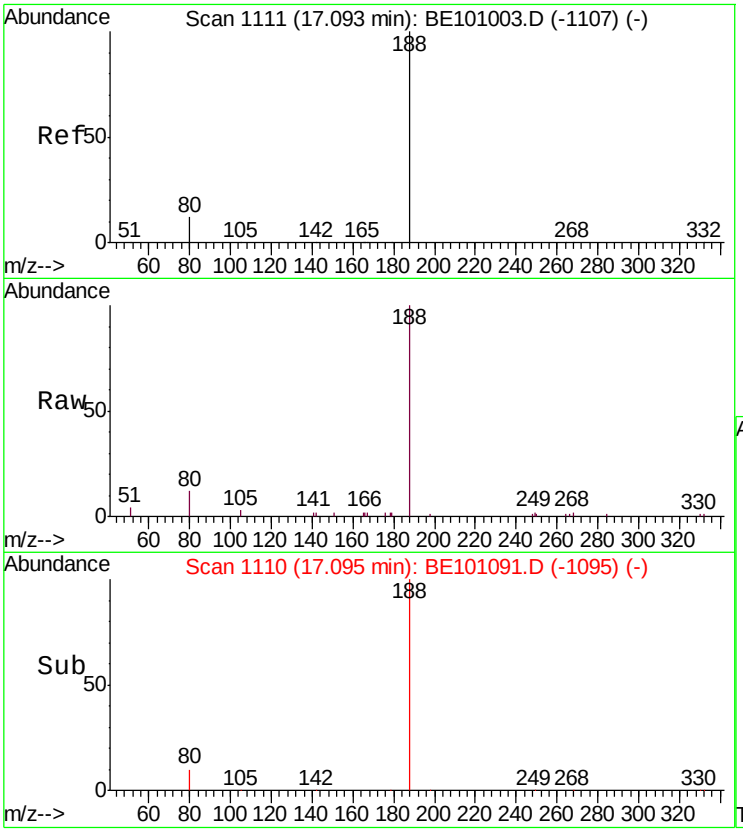


#18
Fluorene
Concen: 0.347 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:166 Resp: 4521

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.8	119.8
167	14.0	11.0	16.6



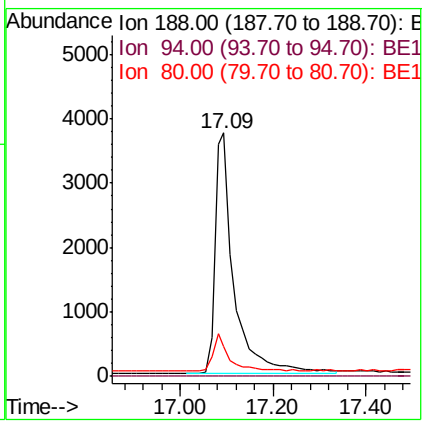


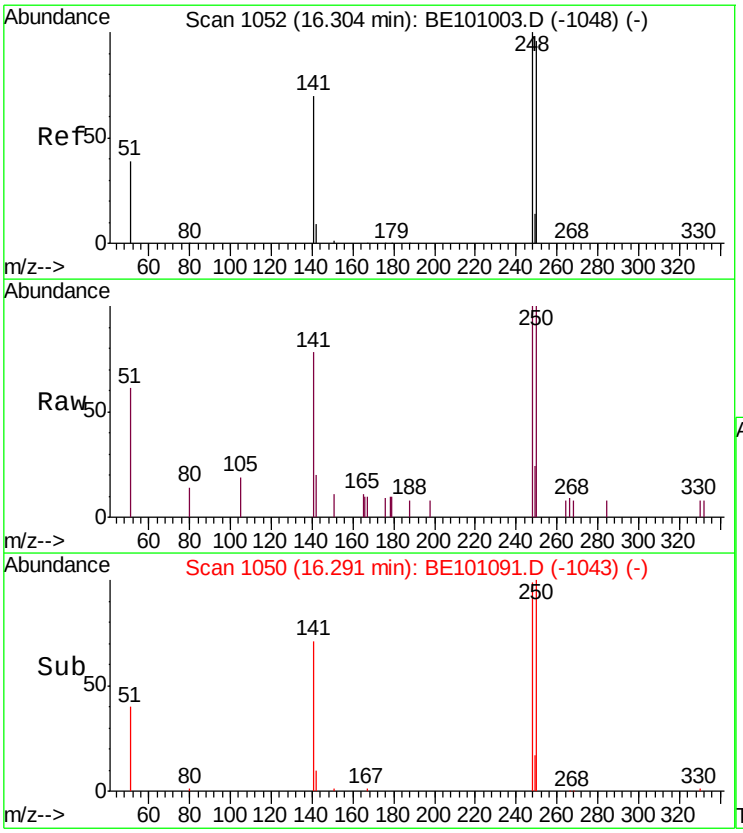
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:188 Resp: 10665

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	10.8	16.2

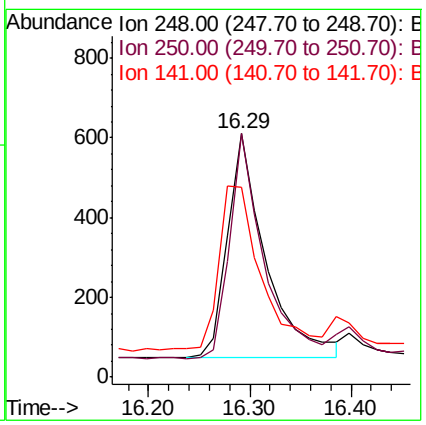


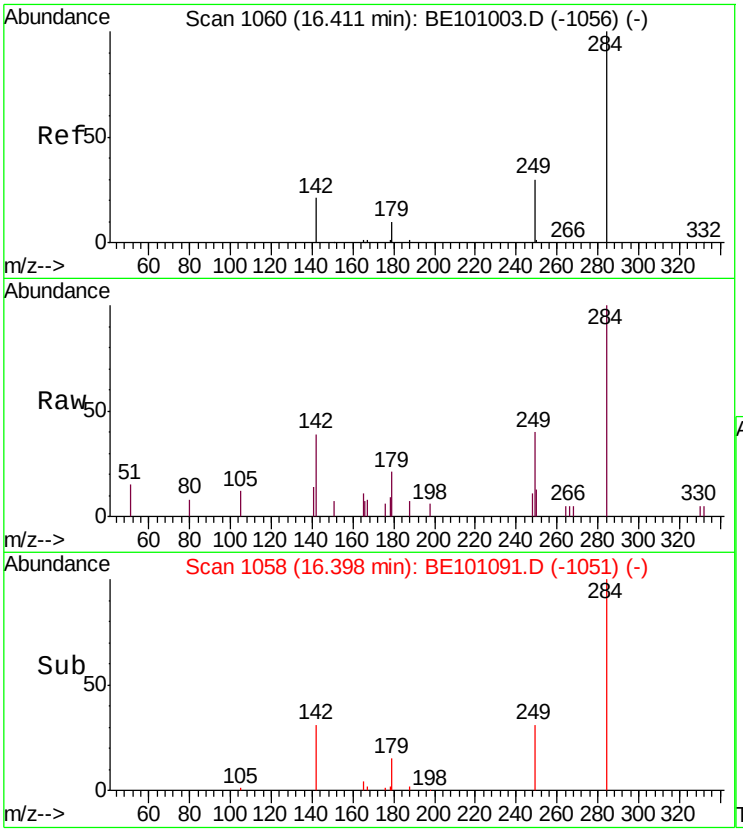


#20
4-Bromophenyl-phenylether
Concen: 0.285 ng
RT: 16.29 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:248 Resp: 1480

Ion	Ratio	Lower	Upper
248	100		
250	100.2	76.6	115.0
141	77.9	57.7	86.5



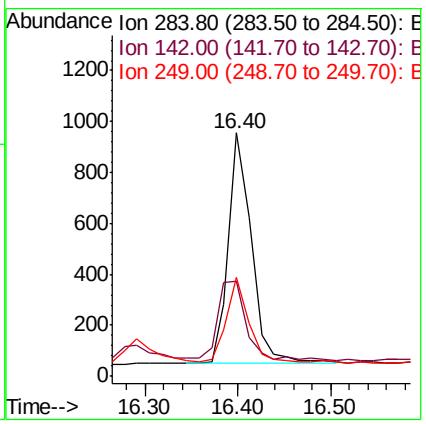


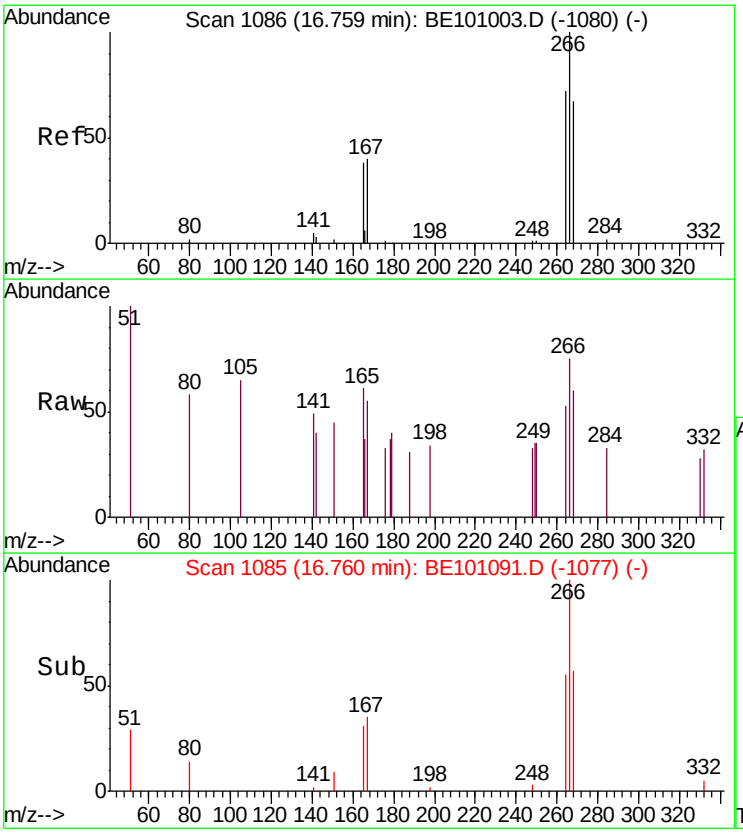
#21
Hexachlorobenzene
Concen: 0.274 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:284 Resp: 1561

Ion	Ratio	Lower	Upper
284	100		
142	42.5	34.0	51.0
249	34.7	28.2	42.4

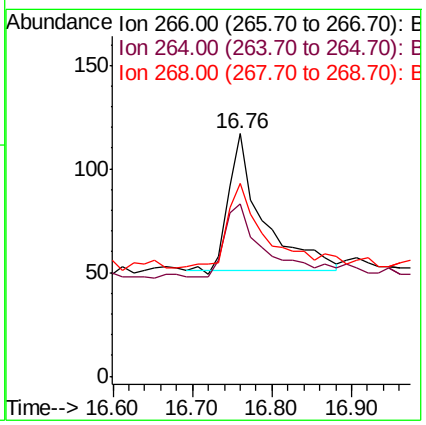


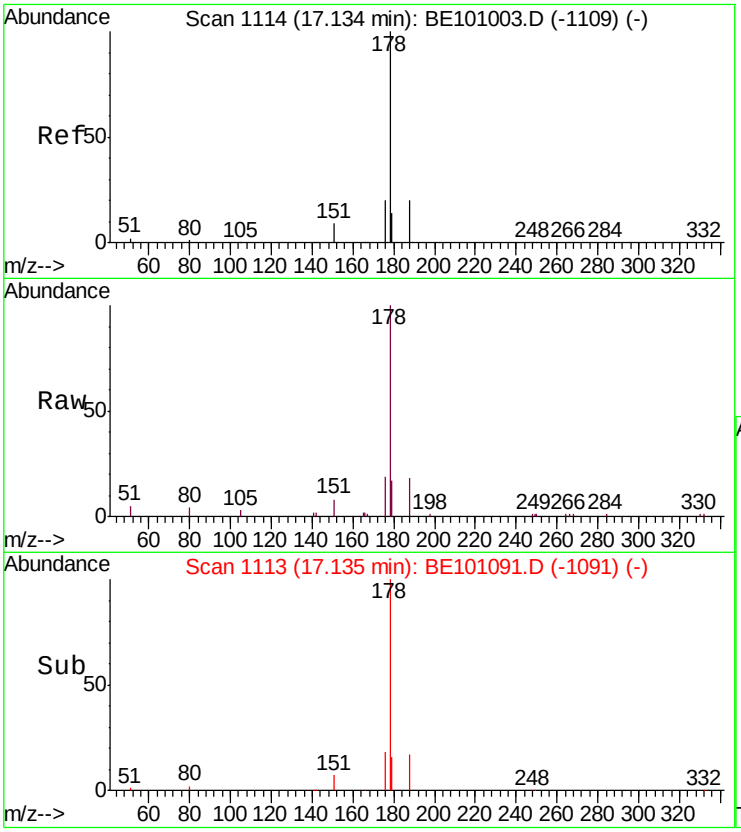


#22
Pentachlorophenol
Concen: 0.348 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:266 Resp: 196

Ion	Ratio	Lower	Upper
266	100		
264	70.9	61.0	91.4
268	79.5	58.5	87.7



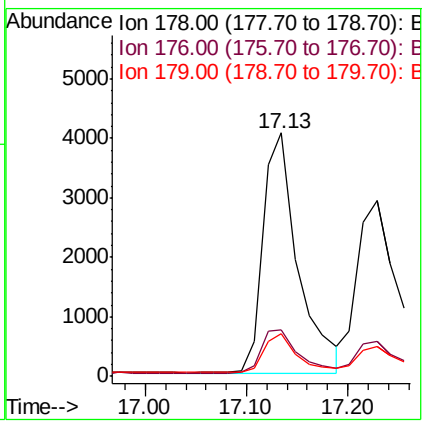


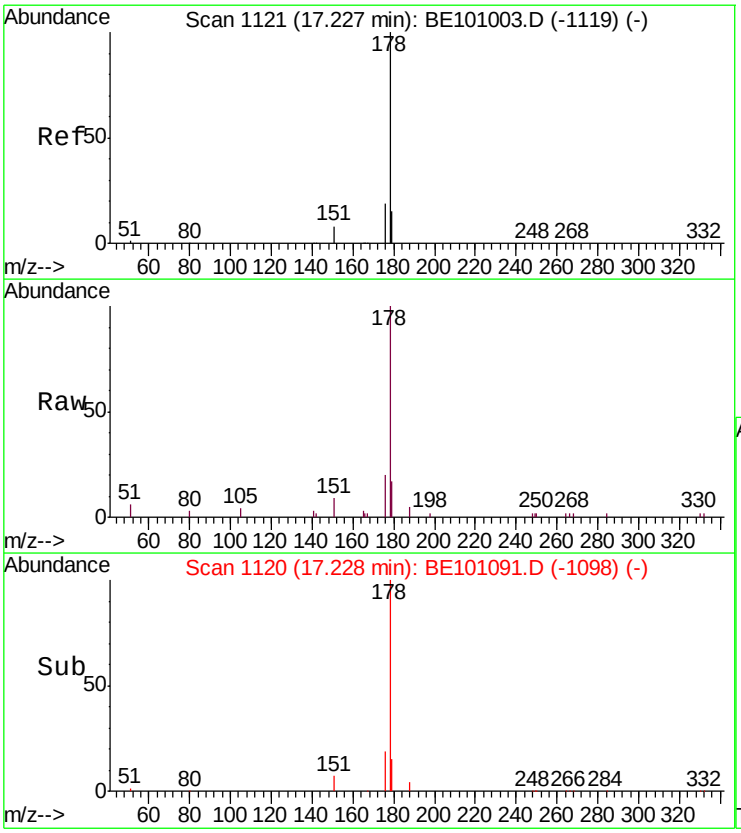
#23
Phenanthrene
Concen: 0.333 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:178 Resp: 9706

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.0	18.0

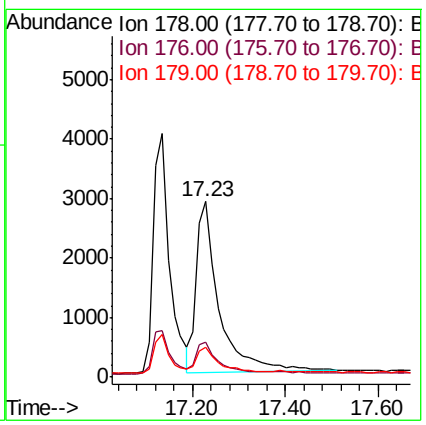


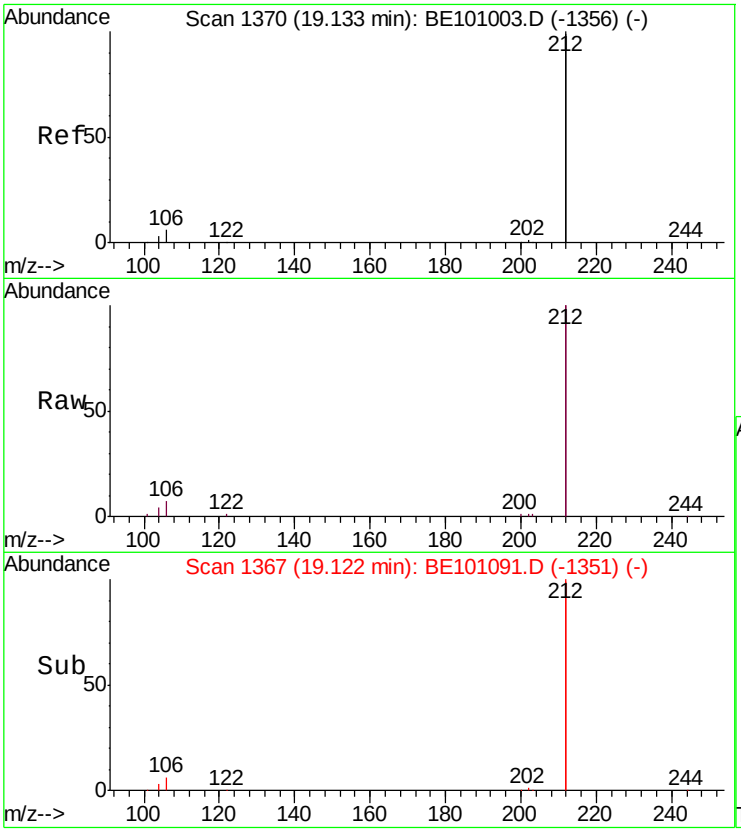


#24
Anthracene
Concen: 0.350 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:178 Resp: 9621

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	13.1	12.4	18.6



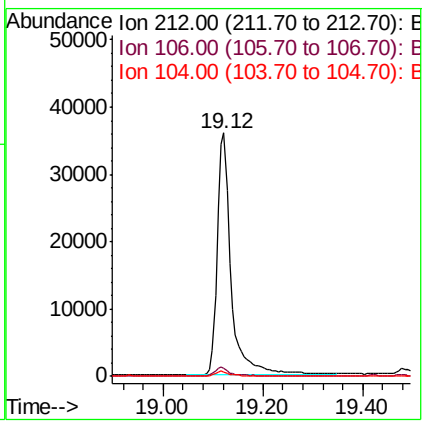


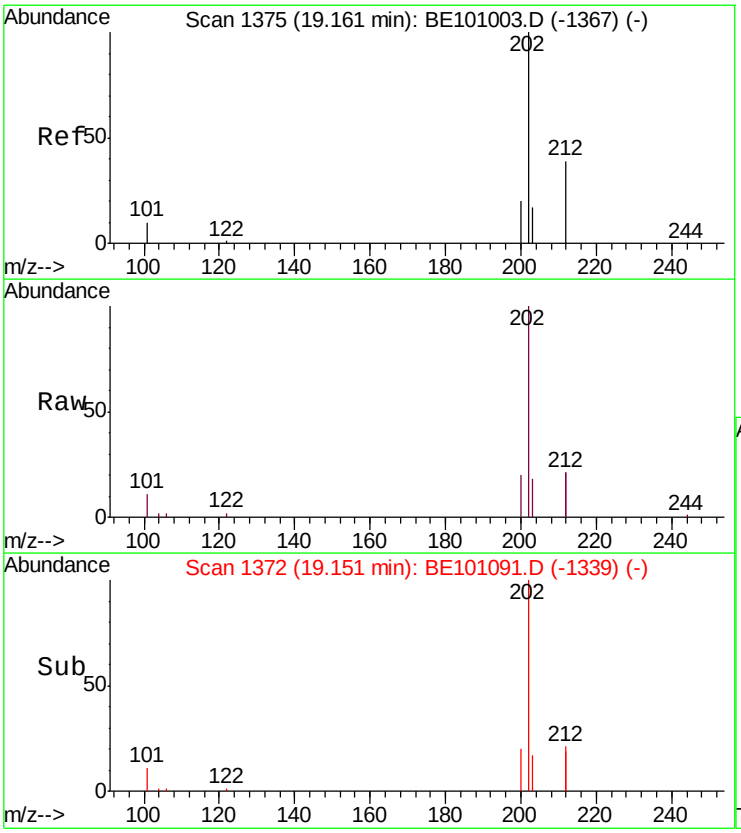
#25
Fluoranthene-d10
Concen: 0.470 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:212 Resp: 69558

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.6	3.8
104	1.9	1.4	2.0

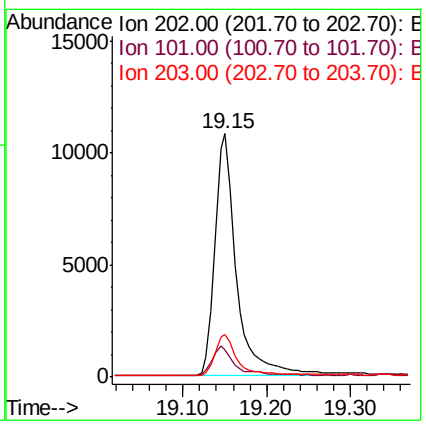


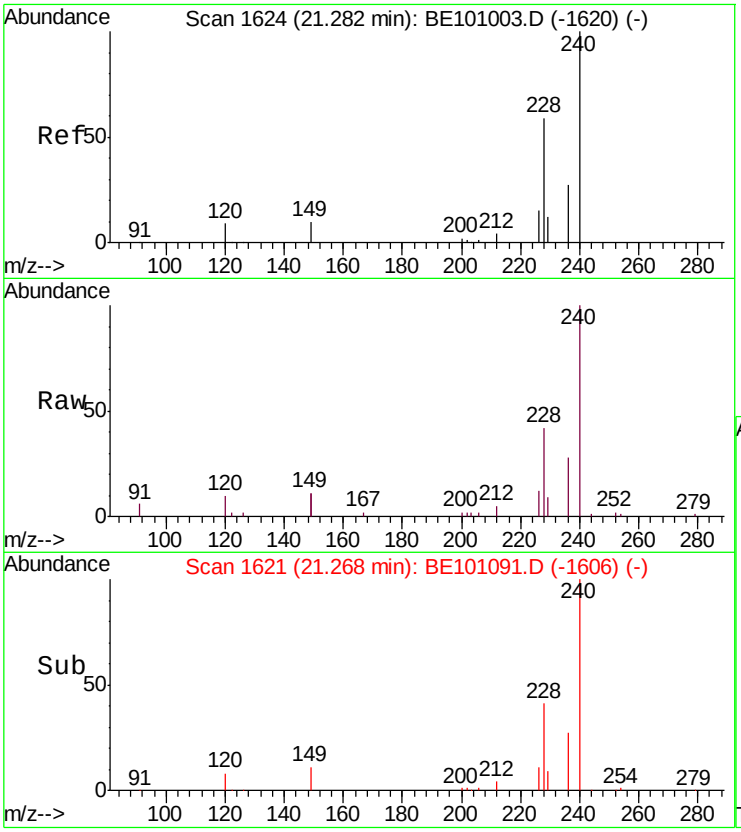


#26
Fluoranthene
Concen: 0.532 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:202 Resp: 19400

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
203	17.0	13.8	20.6



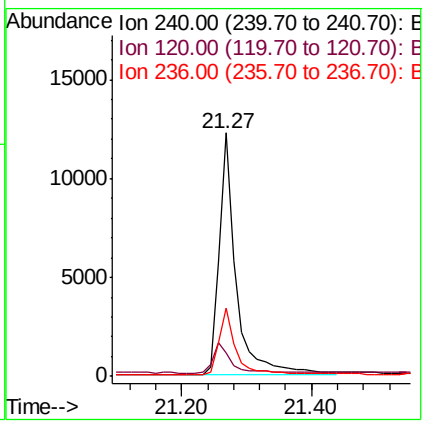


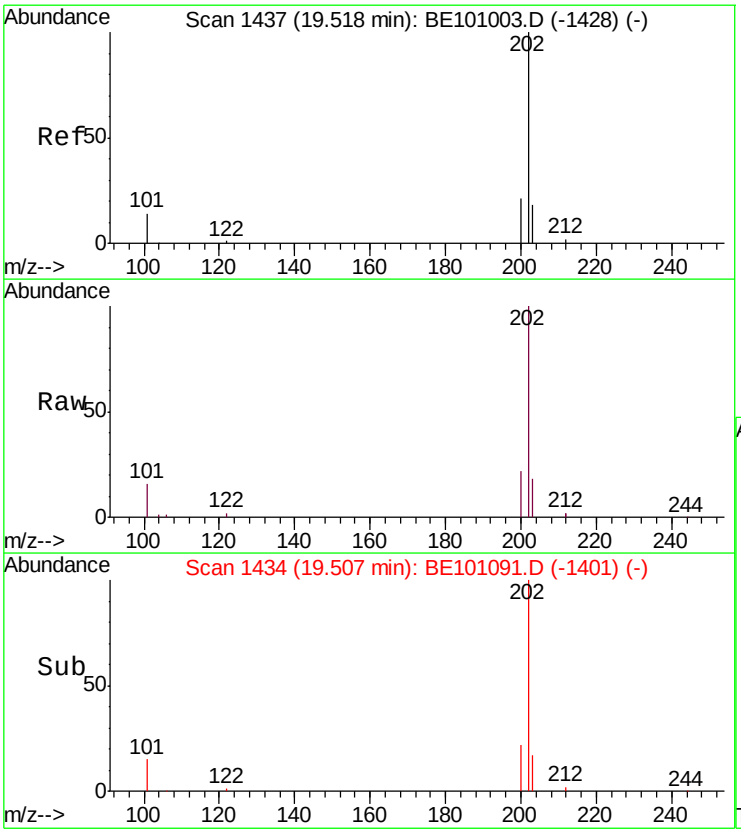
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:240 Resp: 22750

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.6	13.0
236	27.9	22.2	33.4

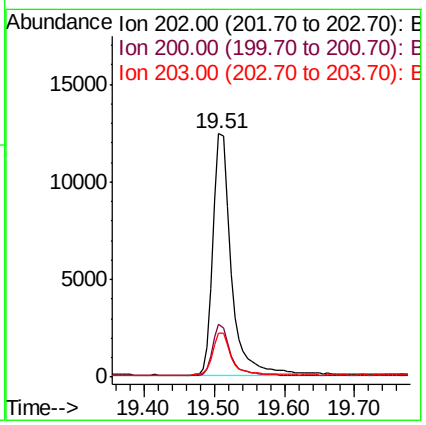


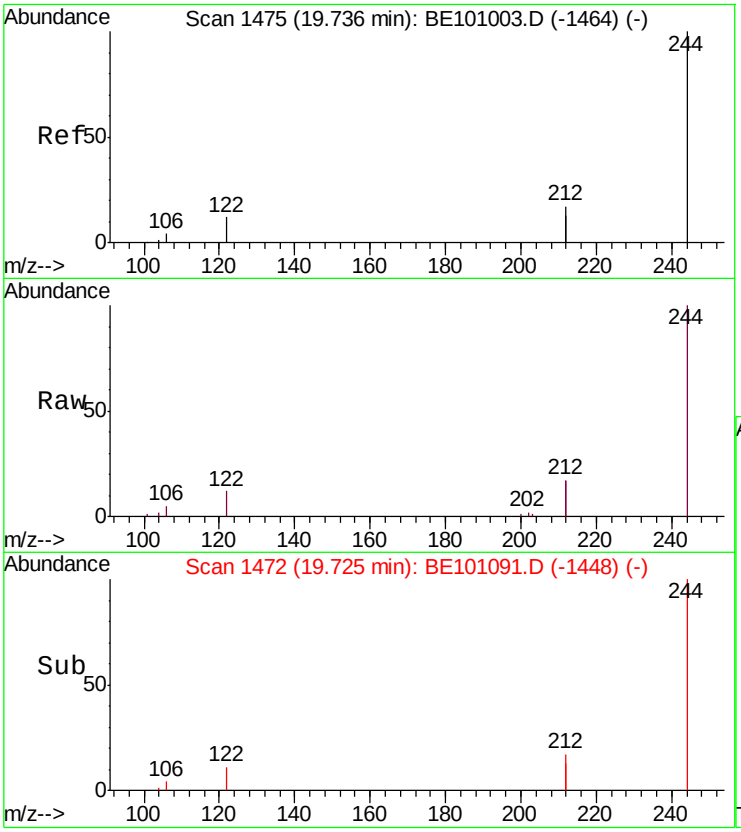


#28
Pyrene
Concen: 0.267 ng
RT: 19.51 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:202 Resp: 22636

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	17.8	13.8	20.6



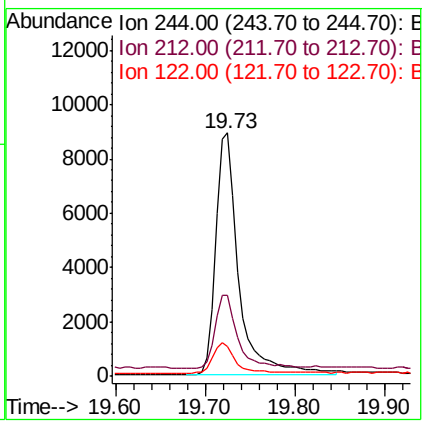


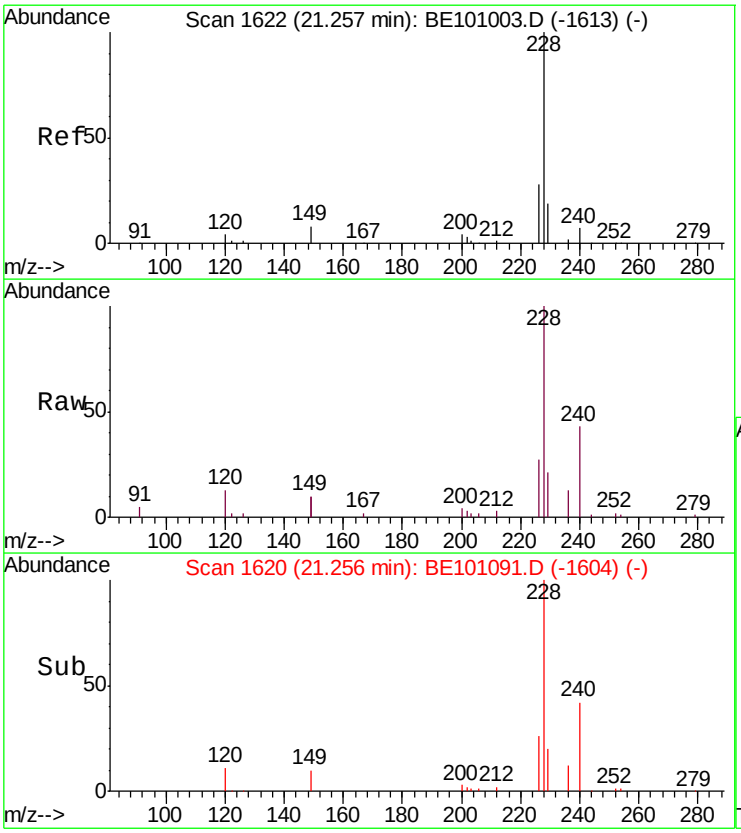
#29
Terphenyl-d14
Concen: 0.284 ng
RT: 19.73 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:244 Resp: 15886

Ion	Ratio	Lower	Upper
244	100		
212	33.5	27.2	40.8
122	12.3	9.8	14.8

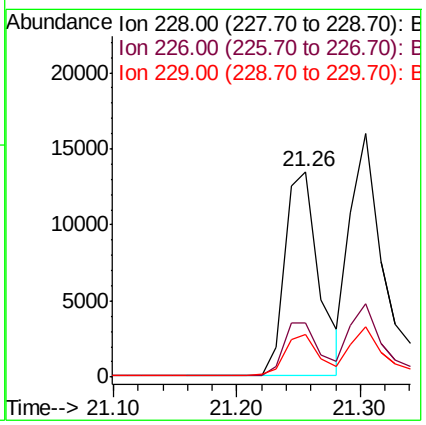


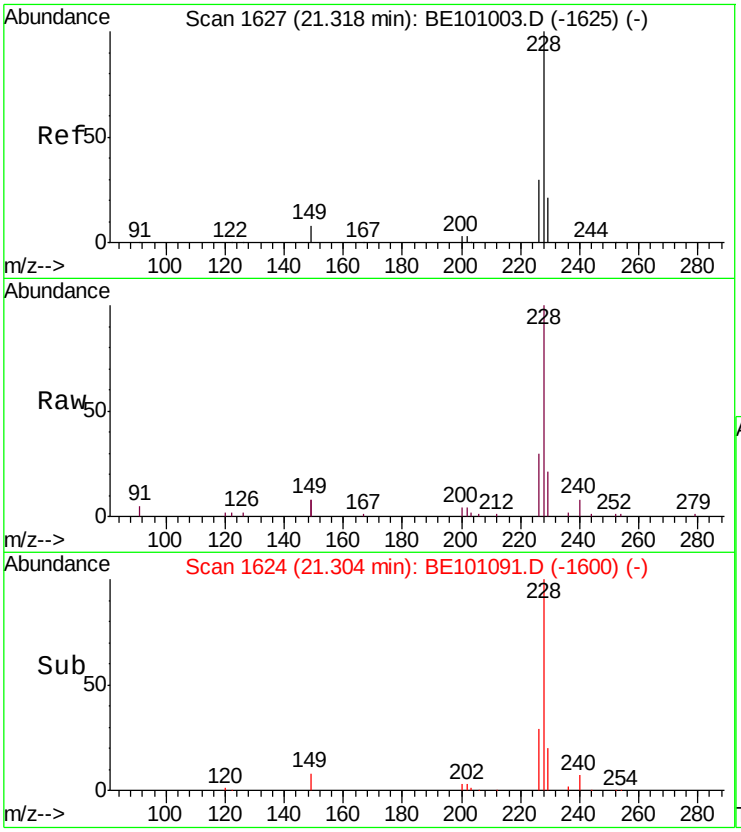


#30
Benzo(a)anthracene
Concen: 0.403 ng
RT: 21.26 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:228 Resp: 26154

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.7	34.1
229	20.6	15.5	23.3



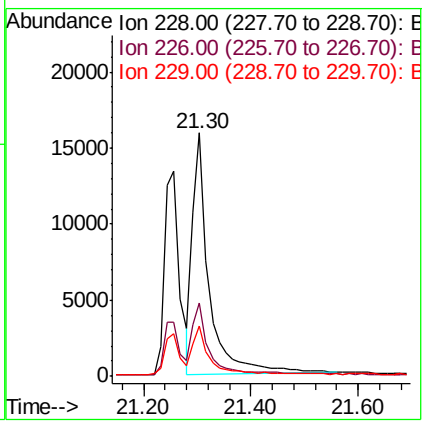


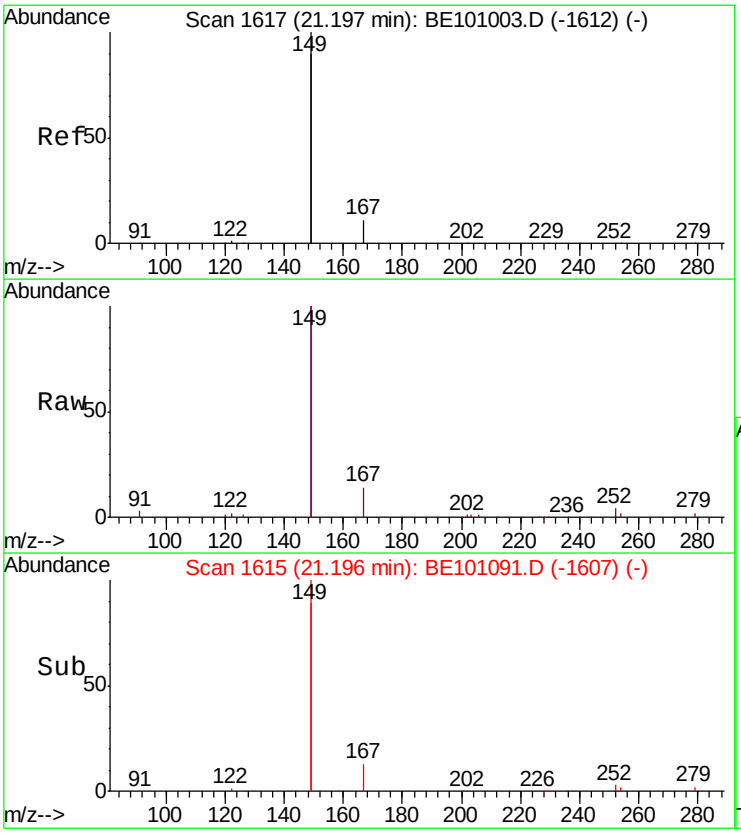
#31
Chrysene
Concen: 0.347 ng
RT: 21.30 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:228 Resp: 33518

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	20.7	16.7	25.1

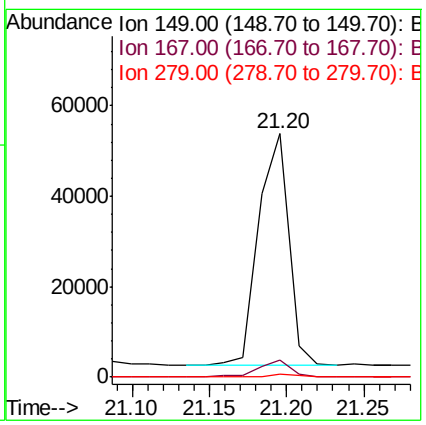


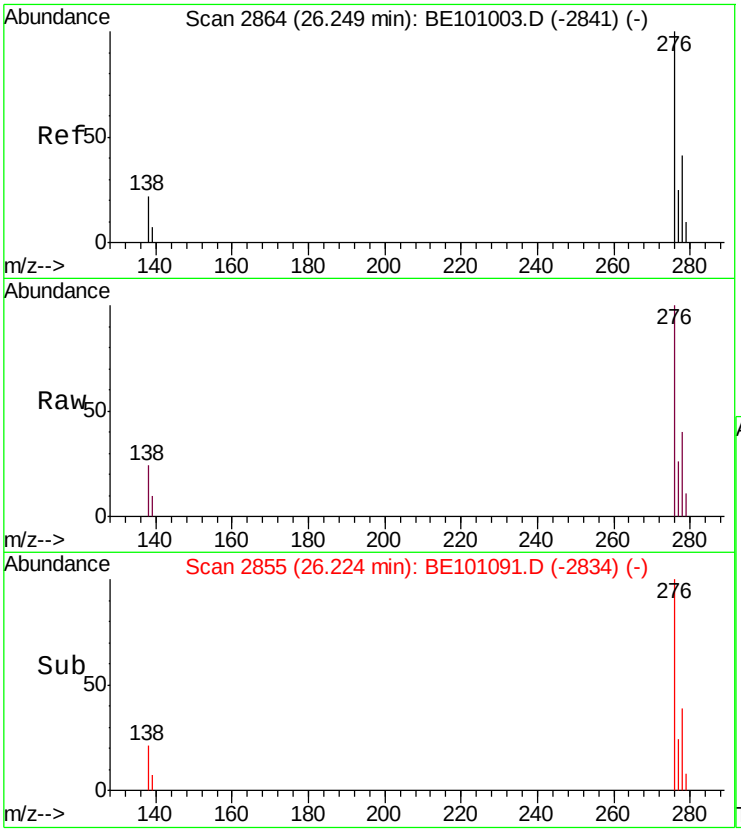


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.650 ng
RT: 21.20 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:149 Resp: 70364

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.2	7.8
279	0.9	0.8	1.2



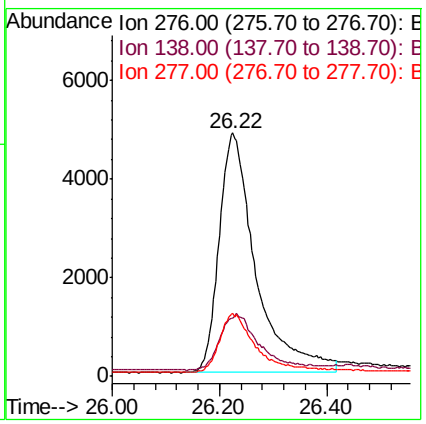


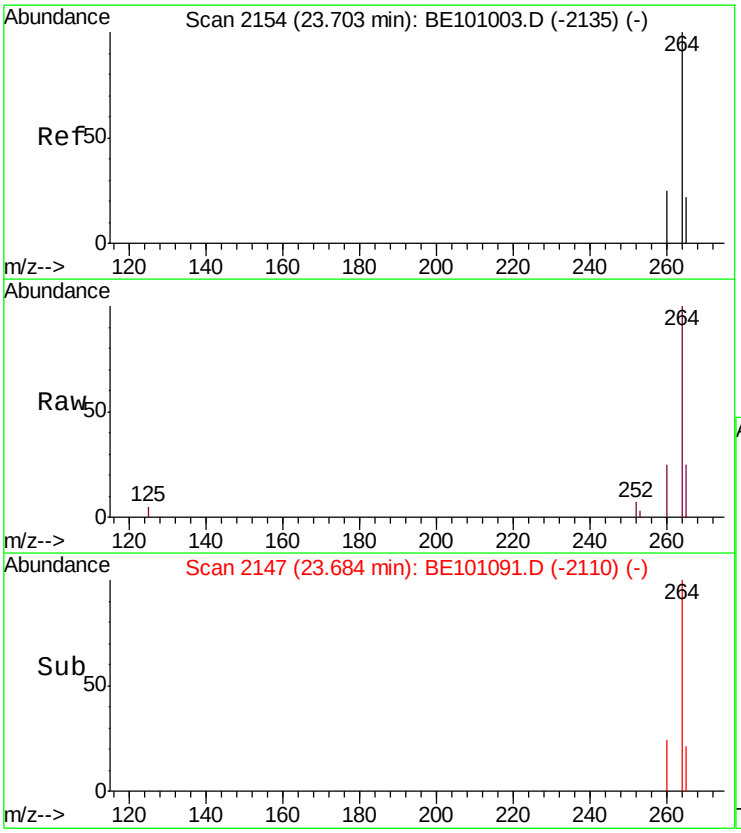
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng
RT: 26.22 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:276 Resp: 23280

Ion	Ratio	Lower	Upper
276	100		
138	24.1	16.1	24.1#
277	23.9	18.1	27.1

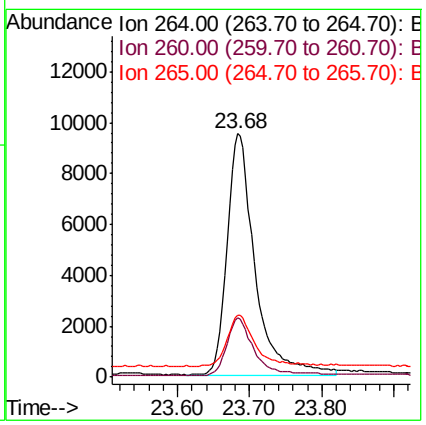


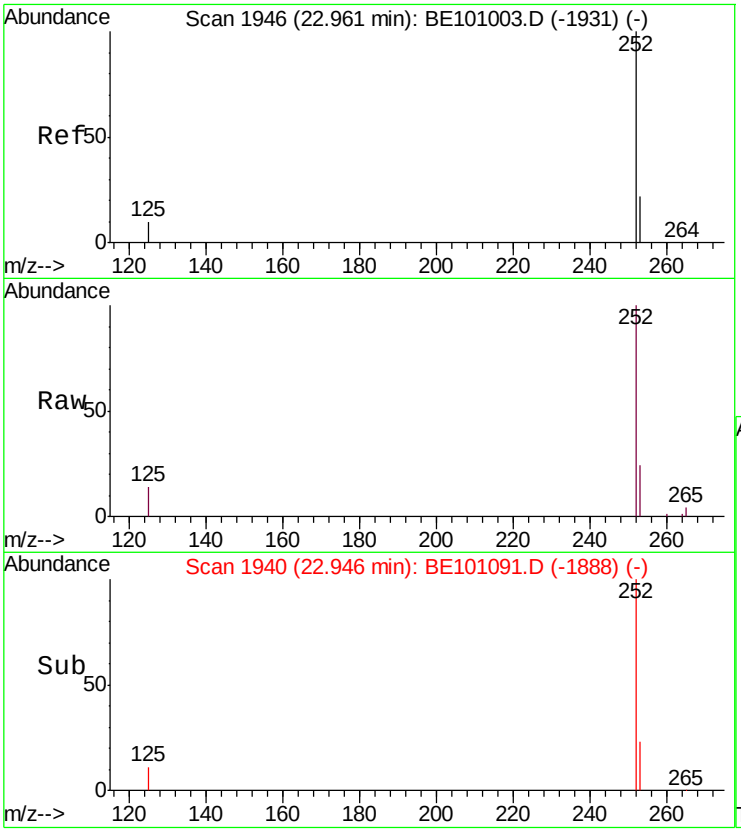


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2147
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:264 Resp: 24951

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.3	30.5
265	25.3	27.0	40.4#



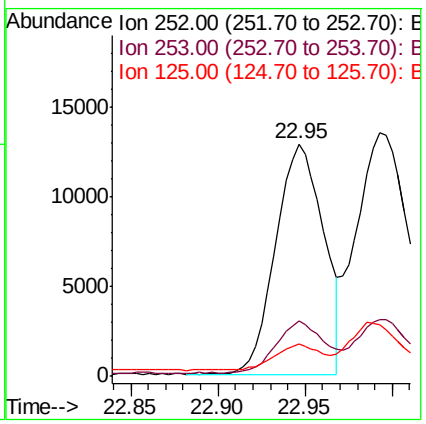


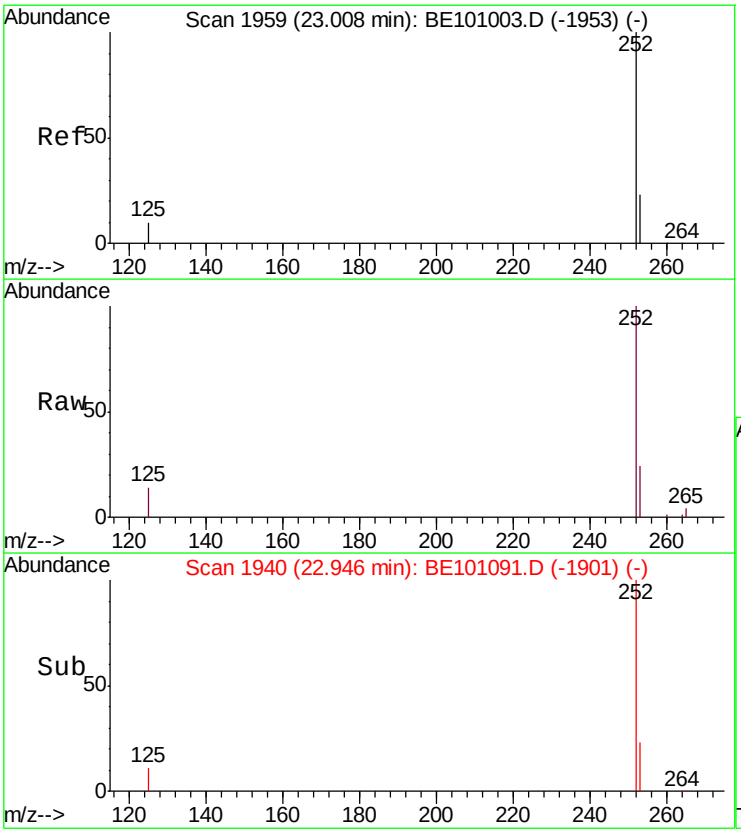
#35
Benzo(b)fluoranthene
Concen: 0.349 ng
RT: 22.95 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:252 Resp: 24432

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	13.9	9.5	14.3

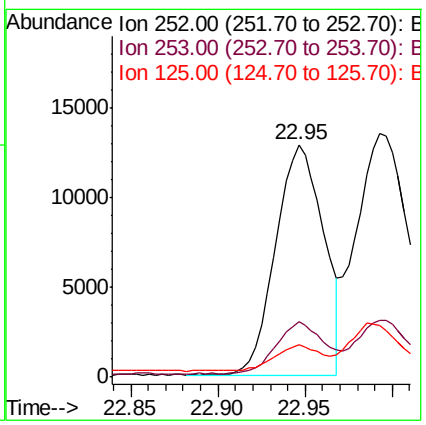


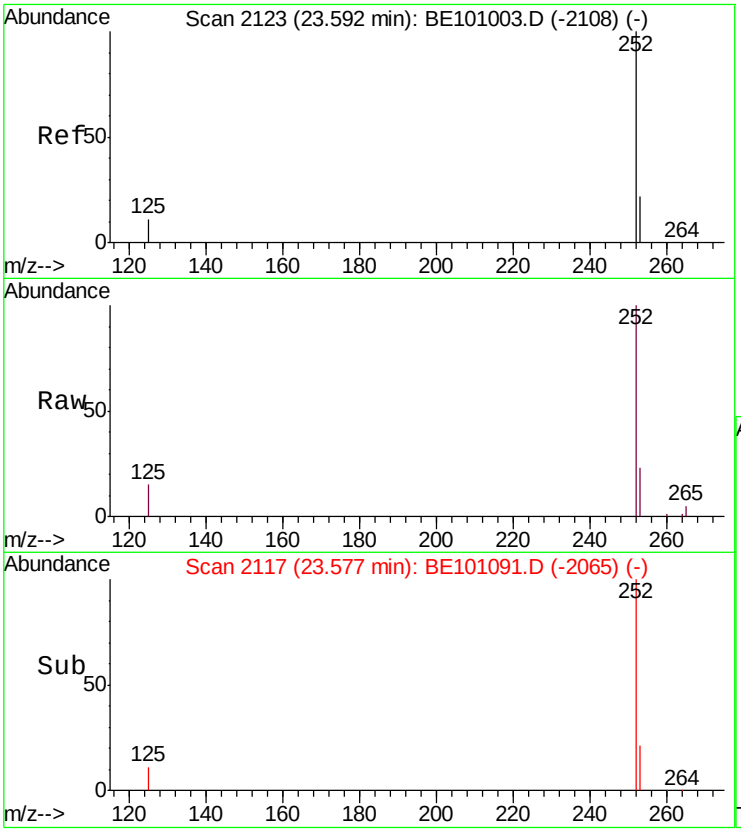


#36
Benzo(k)fluoranthene
Concen: 0.241 ng
RT: 22.95 min Scan# 1940
Delta R.T. -0.06 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:252 Resp: 24432

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	13.9	10.1	15.1



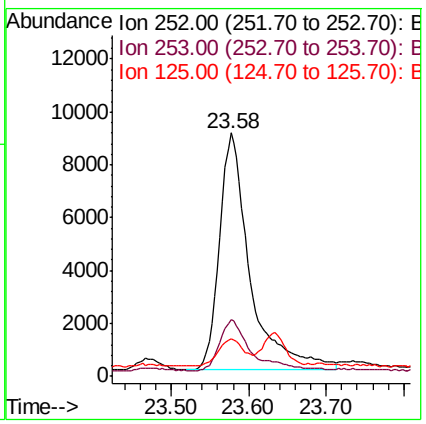


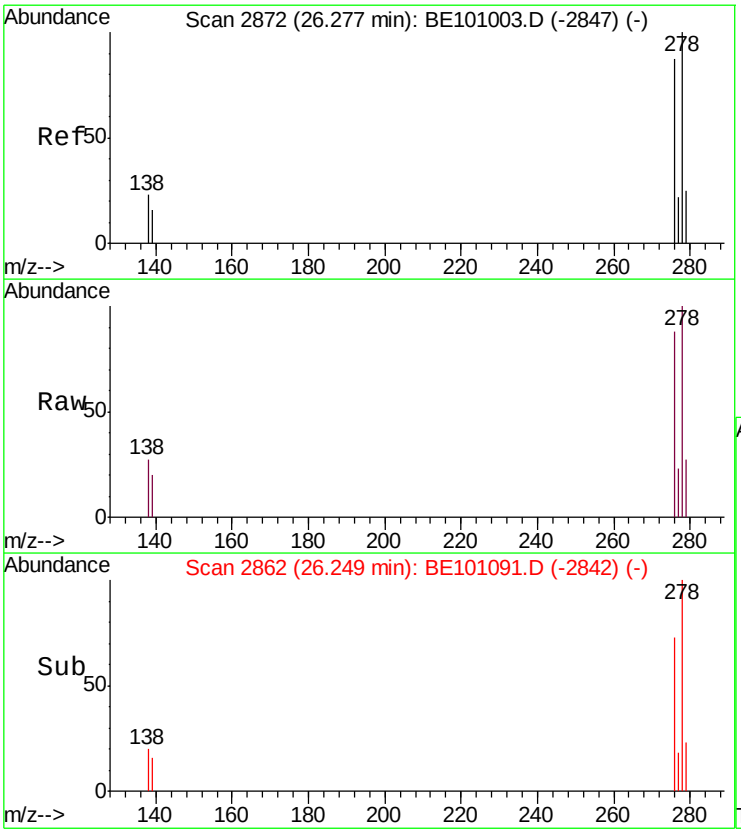
#37
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.58 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:252 Resp: 24682

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.4	29.2
125	15.2	11.8	17.6

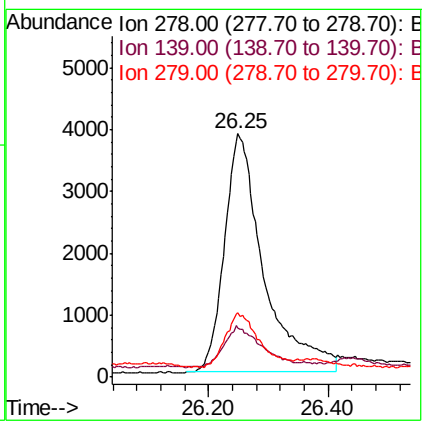


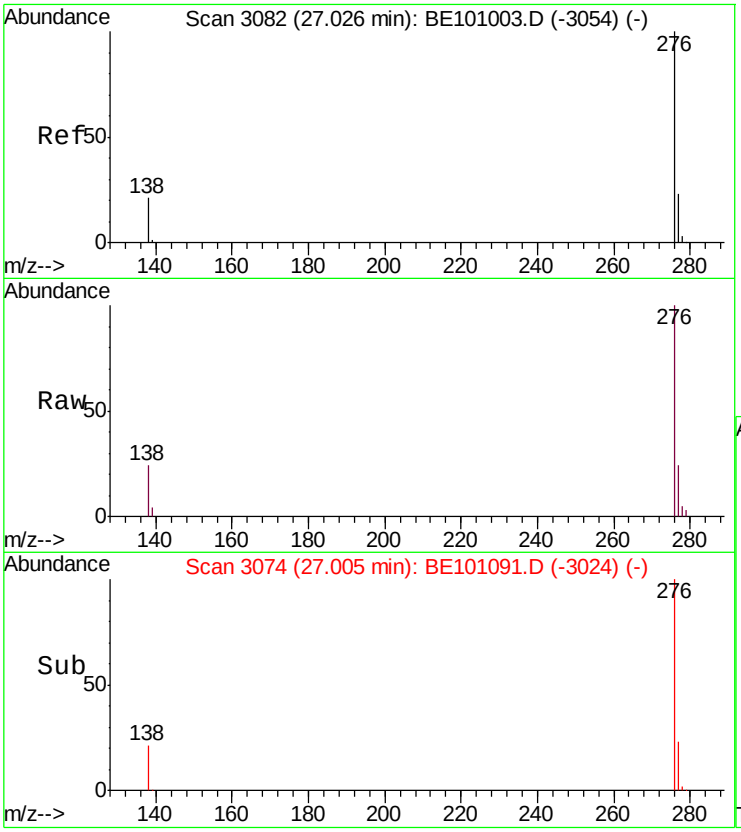


#38
Dibenzo(a,h)anthracene
Concen: 0.285 ng
RT: 26.25 min Scan# 2862
Delta R.T. -0.03 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:278 Resp: 17747

Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.0	22.4
279	26.7	22.6	33.8





#39
Benzo(g,h,i)perylene
Concen: 0.276 ng
RT: 27.01 min Scan# 3074
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:276 Resp: 21135

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	24.0	17.9	26.9