Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061820\
Data File : BN010961.D
Acq On : 18 Jun 2020 19:47
Operator : CG/JU
Sample : L3020-22MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MW-23MSD

Quant Time: Jun 19 04:04:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 18 14:14:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2552	0.40	ng		0.00
7) Naphthalene-d8	10.29	136	9155	0.40	ng		0.00
13) Acenaphthene-d10	14.16	164	5246	0.40	ng		0.00
19) Phenanthrene-d10	16.91	188	10848	0.40	ng		0.00
27) Chrysene-d12	21.11	240	11583	0.40	ng		-0.01
34) Perylene-d12	23.26	264	10804	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	1279	0.26	ng		0.00
5) Phenol-d6	6.74	99	943	0.16	ng		0.00
8) Nitrobenzene-d5	8.67	82	2978	0.44	ng		0.00
11) 2-Methylnaphthalene-d10	11.88	152	5744	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.66	330	1019	0.54	ng		0.00
15) 2-Fluorobiphenyl	12.78	172	10131	0.49	ng		0.00
25) Fluoranthene-d10	18.95	212	11663	0.39	ng		0.00
29) Terphenyl-d14	19.56	244	13222	0.49	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	428	0.171	ng	#	62
3) n-Nitrosodimethylamine	3.53	42	202	0.139	ng	#	65
6) bis(2-Chloroethyl)ether	6.99	93	2113	0.373	ng		97
9) Naphthalene	10.33	128	8731	0.379	ng		99
10) Hexachlorobutadiene	10.63	225	1716	0.302	ng	#	98
12) 2-Methylnaphthalene	11.96	142	5566	0.361	ng		98
16) Acenaphthylene	13.87	152	7904	0.368	ng		97
17) Acenaphthene	14.22	154	5240	0.358	ng		98
18) Fluorene	15.22	166	7152	0.378	ng		99
20) 4-Bromophenyl-phenylether	16.11	248	2243	0.344	ng		93
21) Hexachlorobenzene	16.22	284	2315	0.340	ng		96
22) Pentachlorophenol	16.57	266	2596	1.137	ng		95
23) Phenanthrene	16.94	178	12185	0.411	ng		99
24) Anthracene	17.04	178	10602	0.429	ng		98
26) Fluoranthene	18.98	202	13926	0.414	ng	#	97
28) Pyrene	19.34	202	14259	0.372	ng		99
30) Benzo(a)anthracene	21.10	228	14995	0.440	ng		98
31) Chrysene	21.15	228	15049	0.379	ng		98
32) Bis(2-ethylhexyl)phthalate	21.06	149	8048	0.709	ng		96
33) Indeno(1,2,3-cd)pyrene	25.37	276	14430	0.325	ng	#	94
35) Benzo(b)fluoranthene	22.63	252	13093	0.356	ng	#	97
36) Benzo(k)fluoranthene	22.67	252	13056	0.334	ng		97
37) Benzo(a)pyrene	23.17	252	11310	0.359	ng		97
38) Dibenzo(a,h)anthracene	25.38	278	12054	0.335	ng	#	96
39) Benzo(g,h,i)perylene	26.00	276	12865	0.343	ng		97

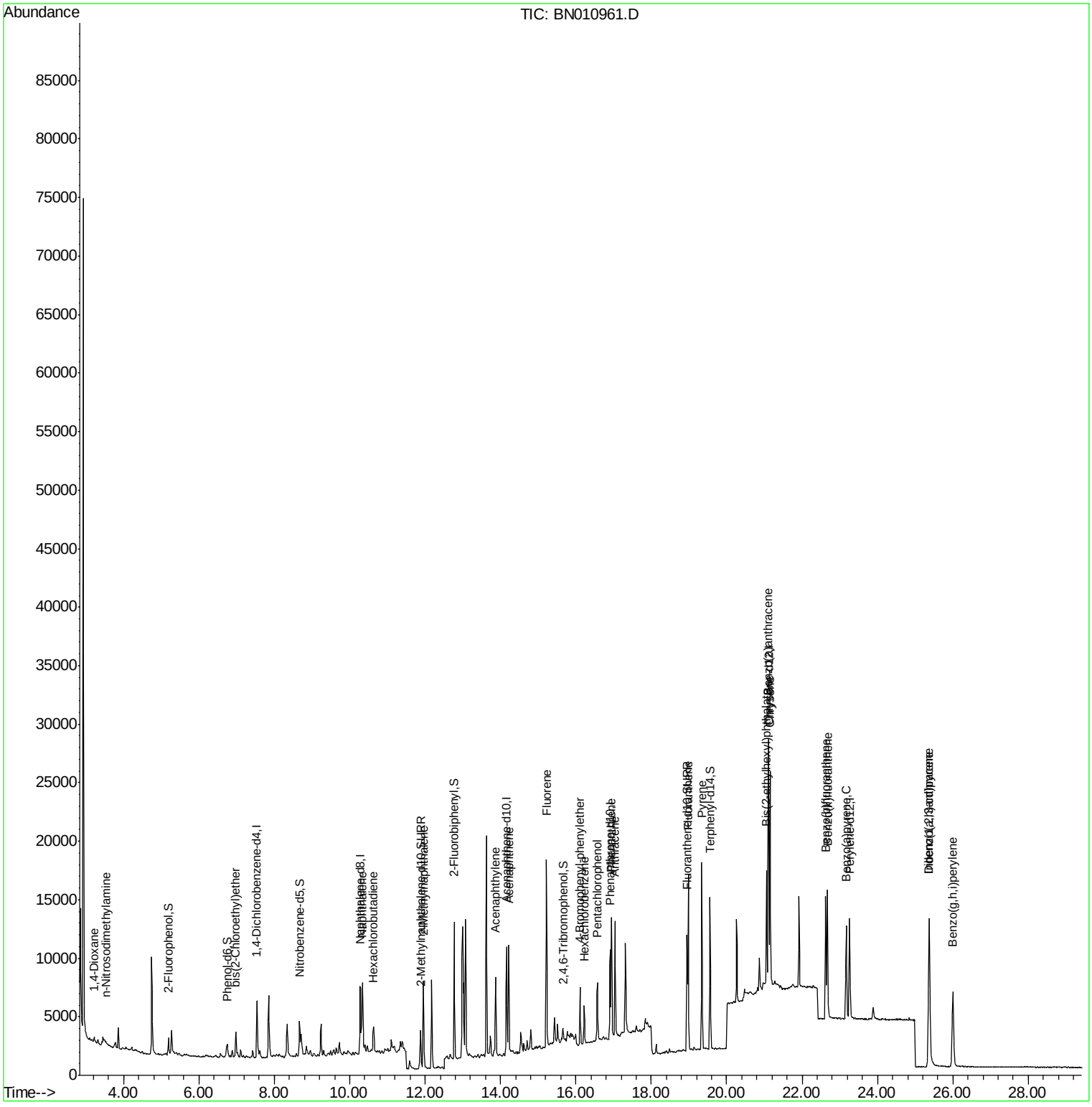
(#) = qualifier out of range (m) = manual integration (+) = signals summed

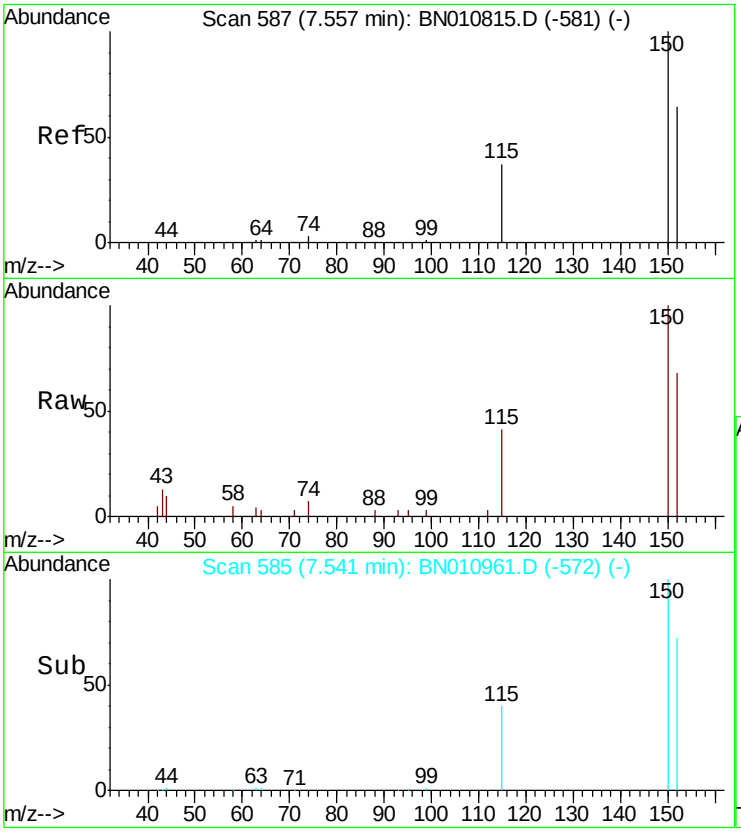
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061820\
Data File : BN010961.D
Acq On : 18 Jun 2020 19:47
Operator : CG/JU
Sample : L3020-22MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Quant Time: Jun 19 04:04:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 18 14:14:42 2020
Response via : Initial Calibration



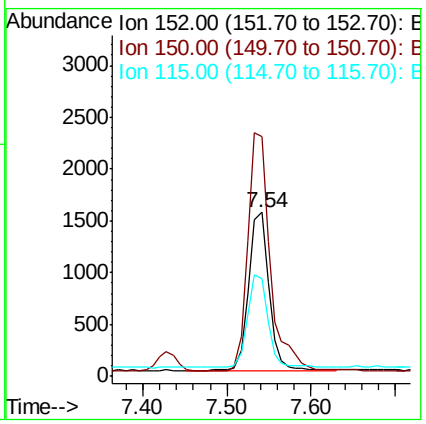


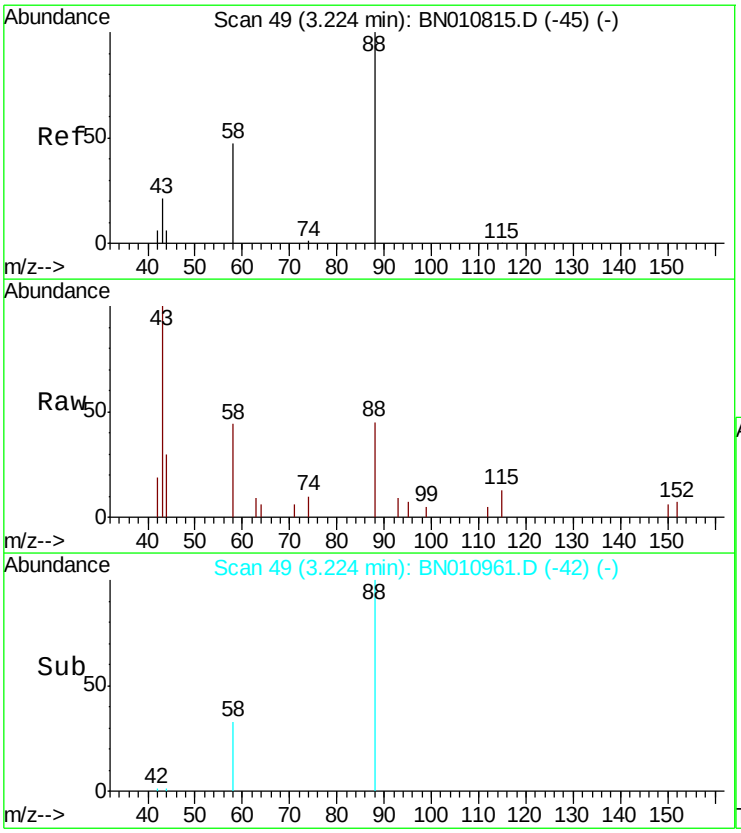
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. 0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:152 Resp: 2552

Ion	Ratio	Lower	Upper
152	100		
150	146.6	123.8	185.6
115	59.5	49.2	73.8

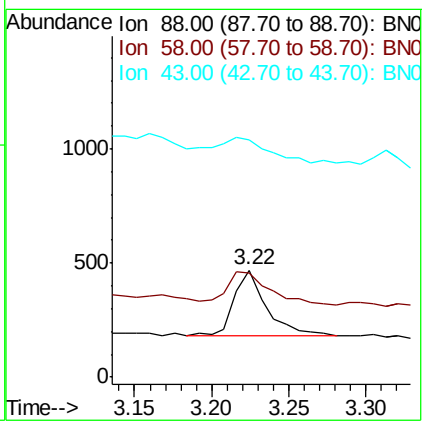


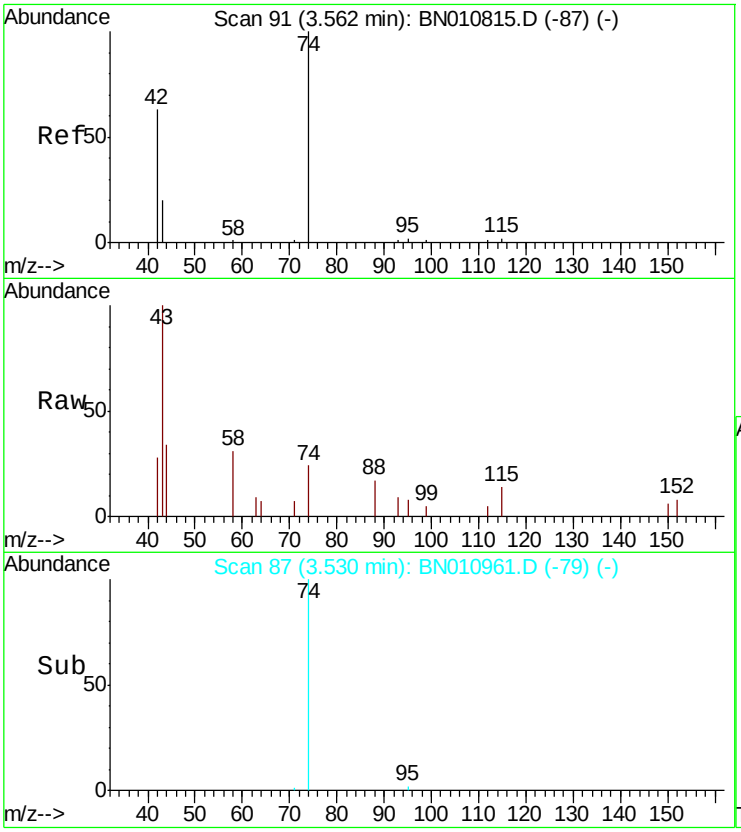


#2
1,4-Dioxane
Concen: 0.171 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion: 88 Resp: 428

Ion	Ratio	Lower	Upper
88	100		
58	64.5	38.2	57.4#
43	51.6	15.1	22.7#



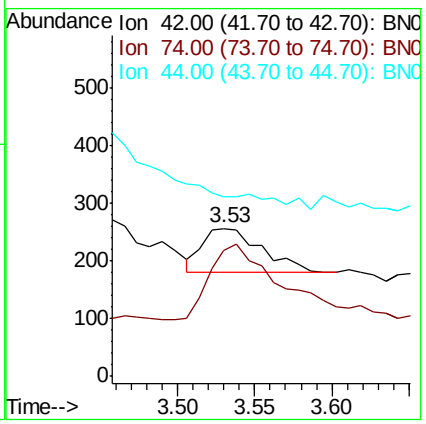


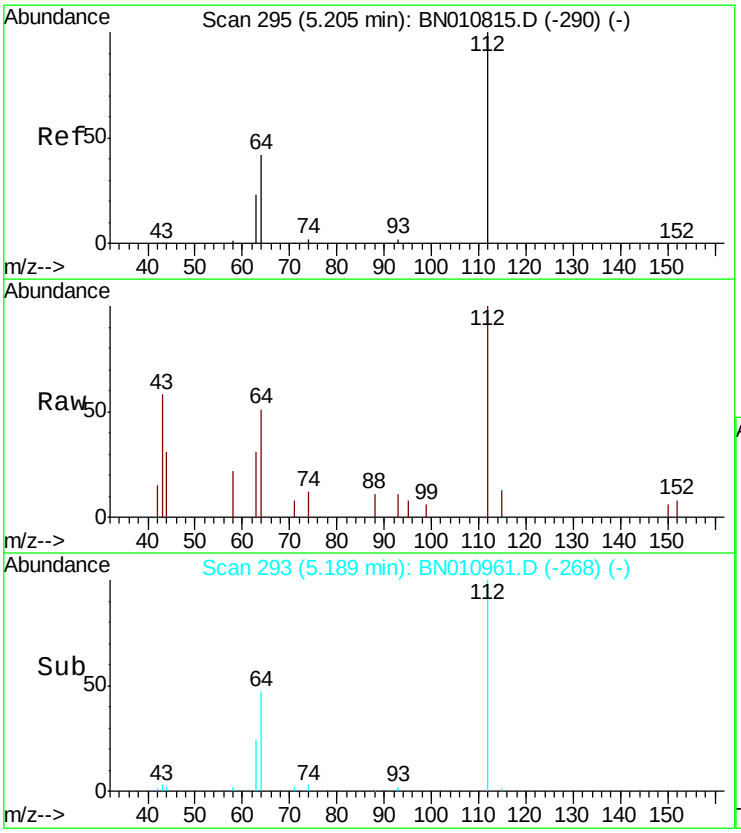
#3
n-Nitrosodimethylamine
Concen: 0.139 ng
RT: 3.53 min Scan# 87
Delta R.T. -0.03 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion: 42 Resp: 202

Ion	Ratio	Lower	Upper
42	100		
74	224.8	140.7	211.1#
44	0.0	1.4	2.2#

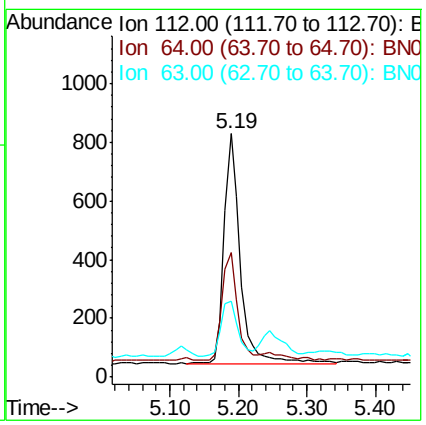


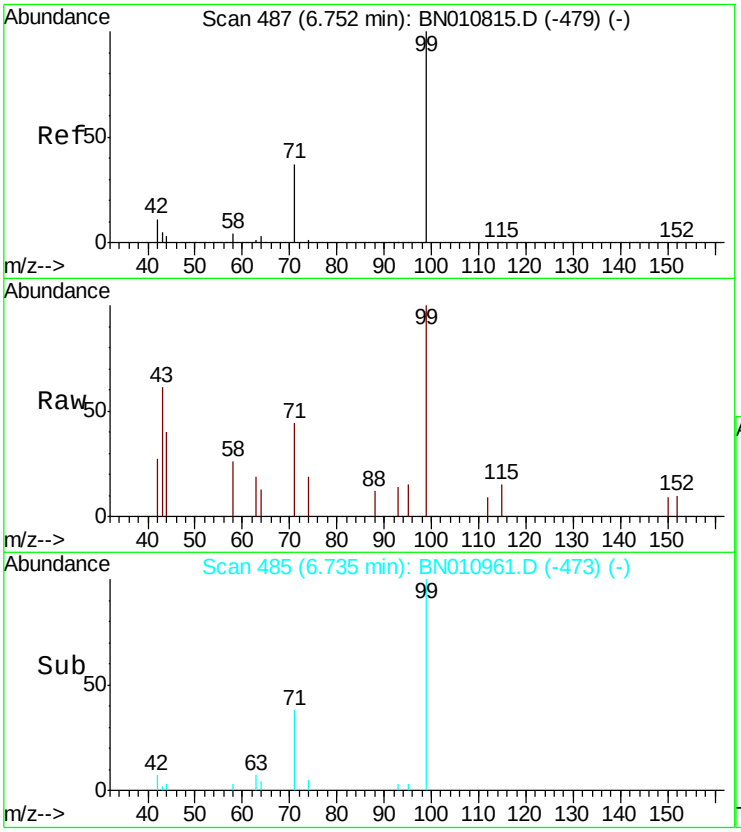


#4
2-Fluorophenol
Concen: 0.260 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:112 Resp: 1279

Ion	Ratio	Lower	Upper
112	100		
64	44.6	37.4	56.0
63	25.2	22.2	33.4



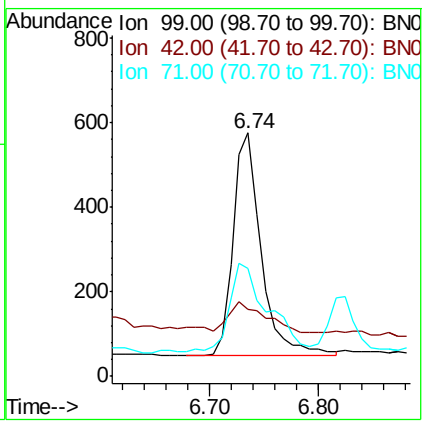


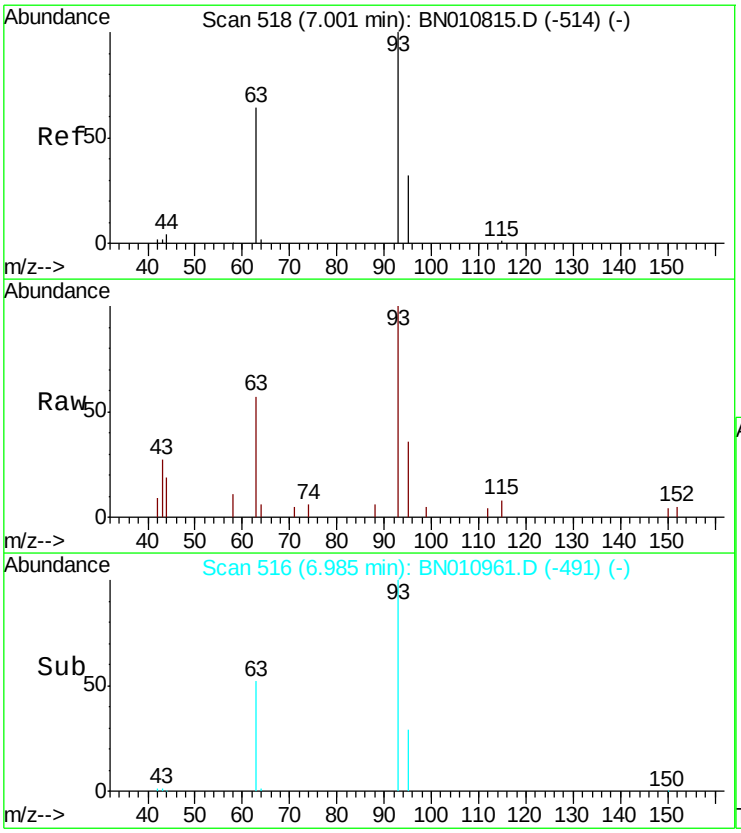
#5
Phenol-d6
Concen: 0.162 ng
RT: 6.74 min Scan# 485
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion: 99 Resp: 943

Ion	Ratio	Lower	Upper
99	100		
42	17.4	11.1	16.7#
71	53.4	31.4	47.2#

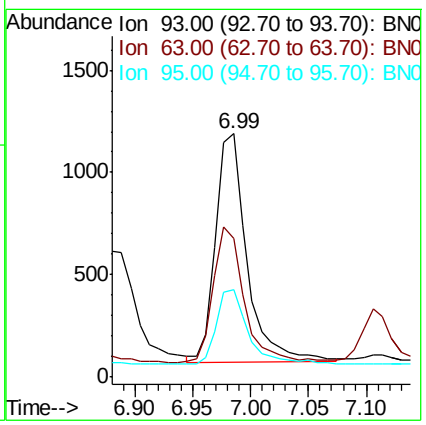


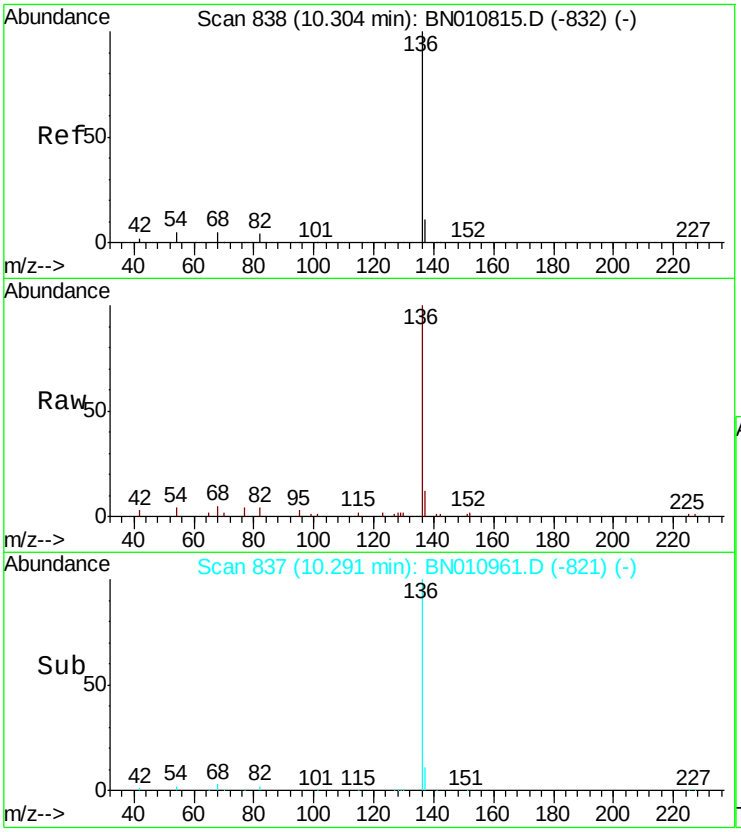


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 6.99 min Scan# 516
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion: 93 Resp: 2113

Ion	Ratio	Lower	Upper
93	100		
63	58.8	49.4	74.2
95	33.8	26.7	40.1



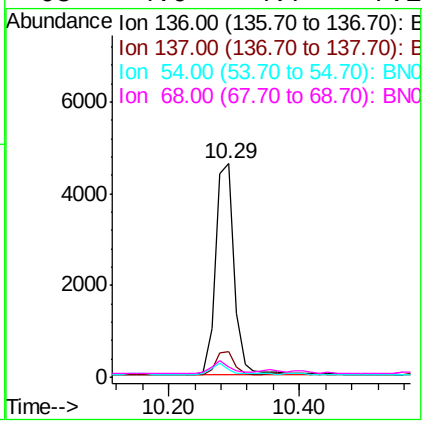


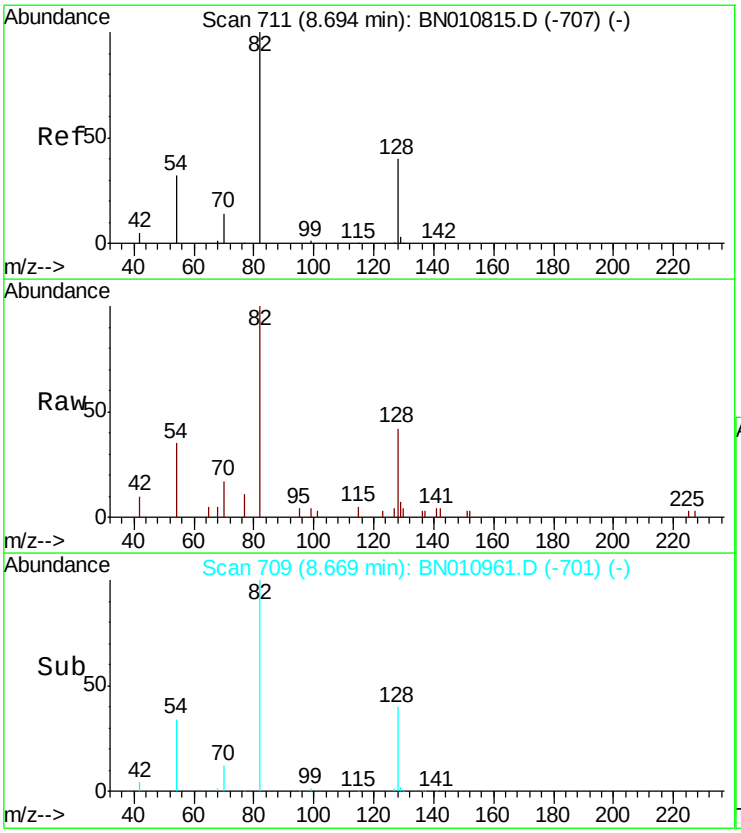
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.29 min Scan# 837
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:136 Resp: 9155

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	3.7	4.9	7.3#
68	4.9	4.7	7.1

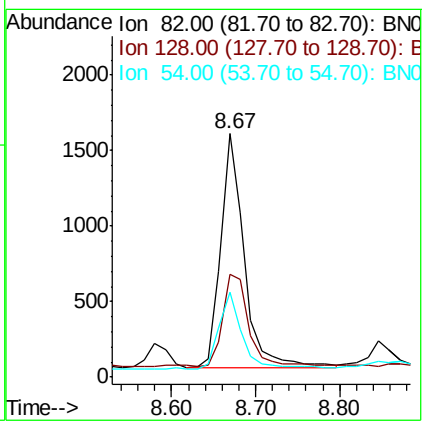


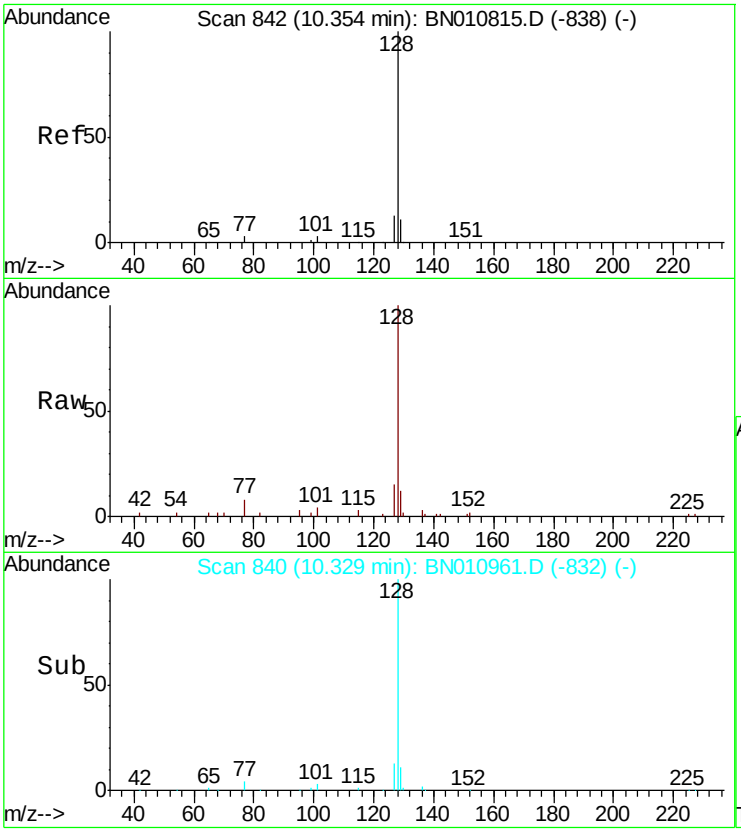


#8
Nitrobenzene-d5
Concen: 0.440 ng
RT: 8.67 min Scan# 709
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion: 82 Resp: 2978

Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.4	53.0
54	34.9	28.2	42.4



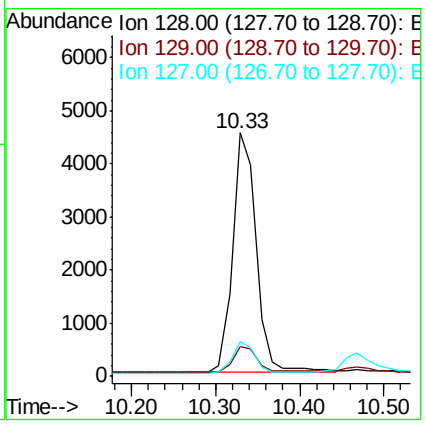


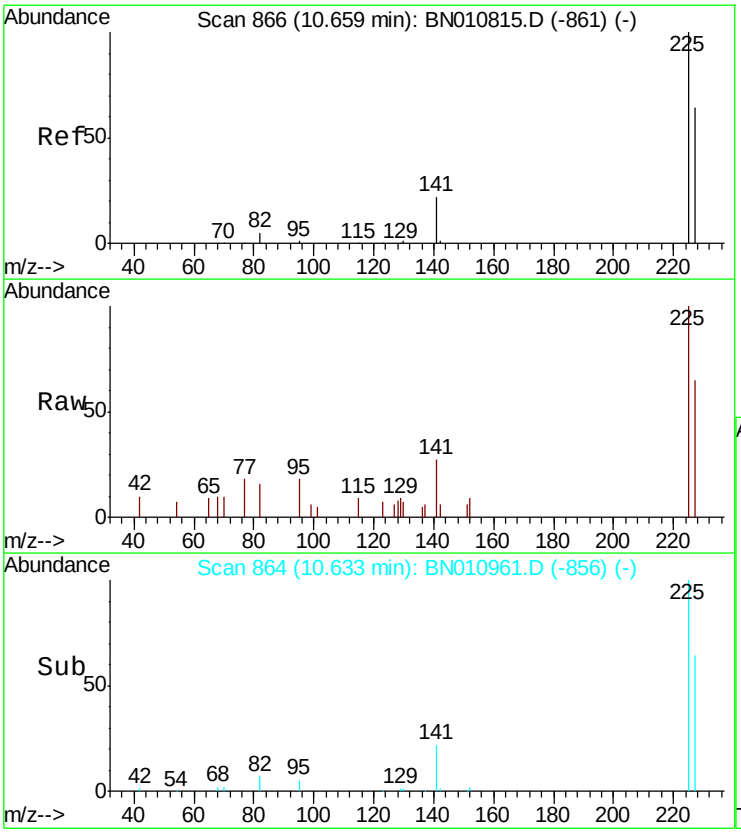
#9
Naphthalene
Concen: 0.379 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:128 Resp: 8731

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.6	14.4
127	14.5	11.4	17.2

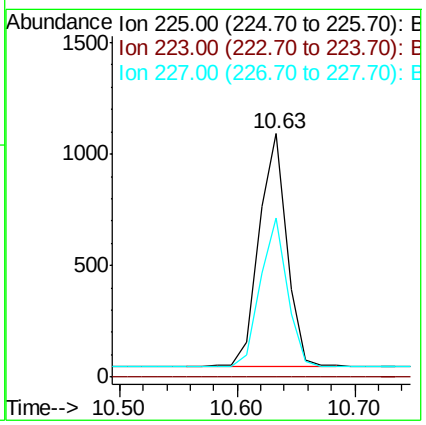


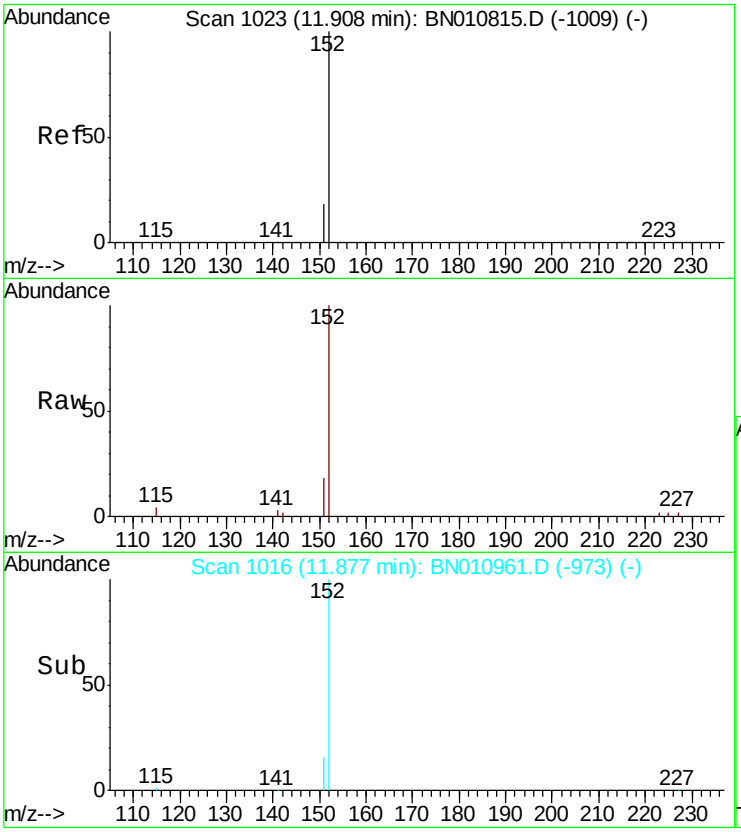


#10
Hexachlorobutadiene
Concen: 0.302 ng
RT: 10.63 min Scan# 864
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:225 Resp: 1716

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.8	50.5	75.7



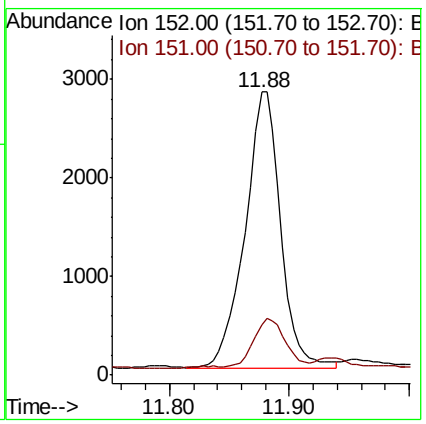


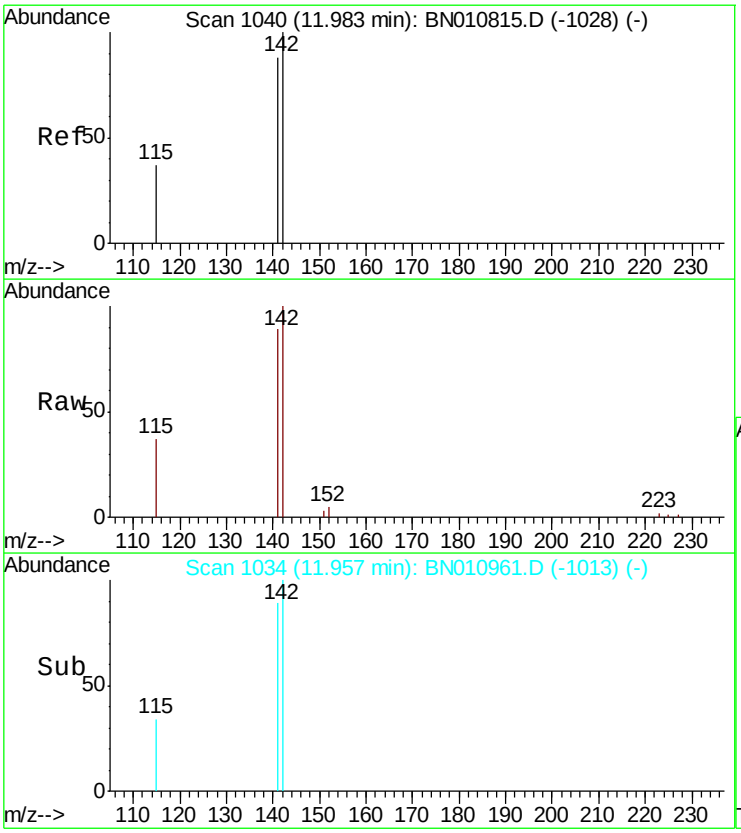
#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 11.88 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:152 Resp: 5744

Ion	Ratio	Lower	Upper
152	100		
151	16.3	15.3	22.9

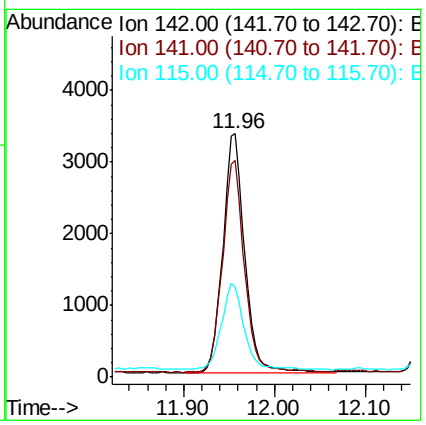


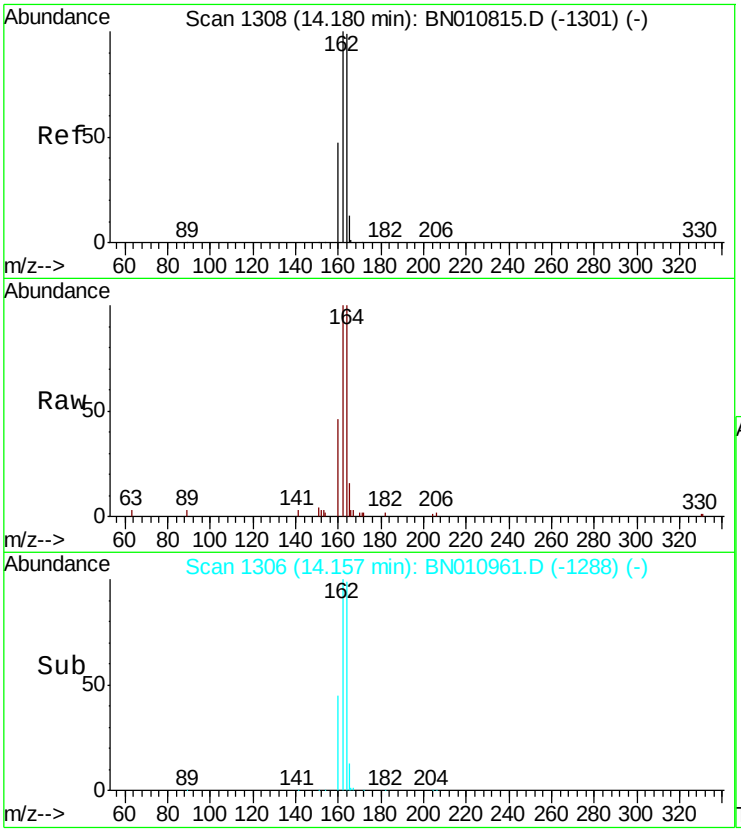


#12
2-Methylnaphthalene
Concen: 0.361 ng
RT: 11.96 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:142 Resp: 5566

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2
115	37.2	31.5	47.3



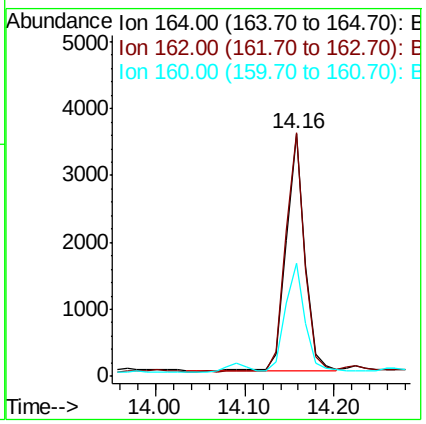


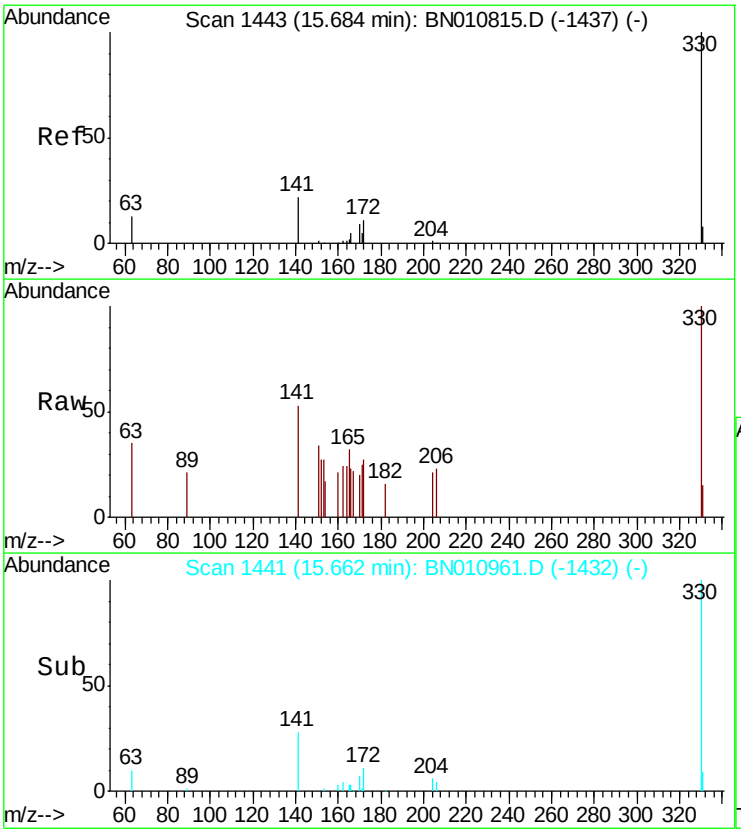
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:164 Resp: 5246

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.6
160	46.5	38.9	58.3

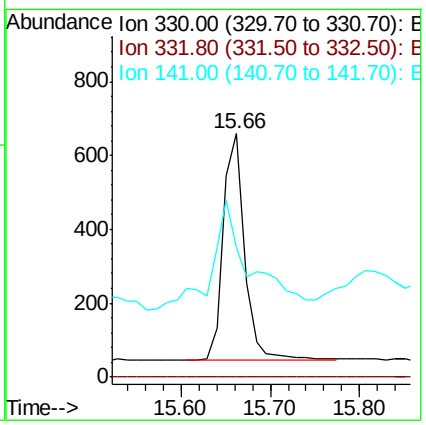


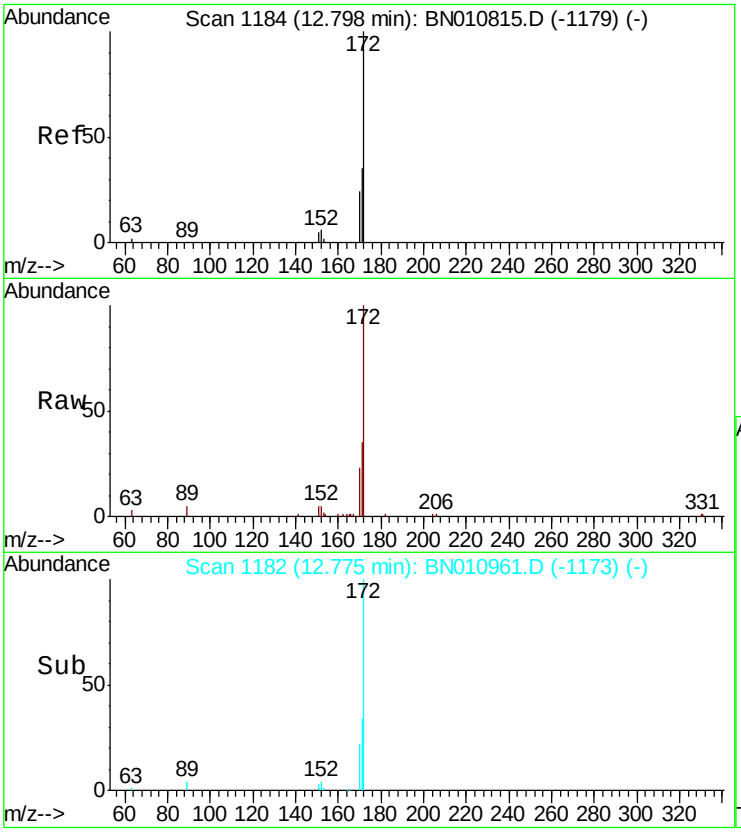


#14
2,4,6-Tribromophenol
Concen: 0.543 ng
RT: 15.66 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:330 Resp: 1019

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	69.5	33.2	49.8#



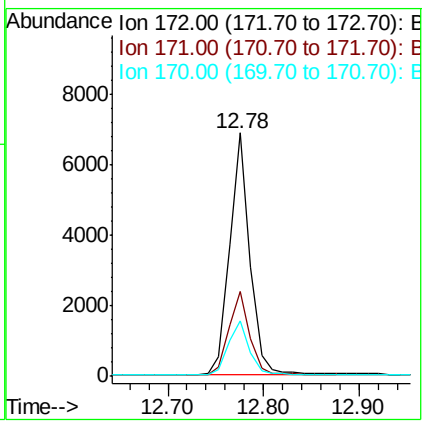


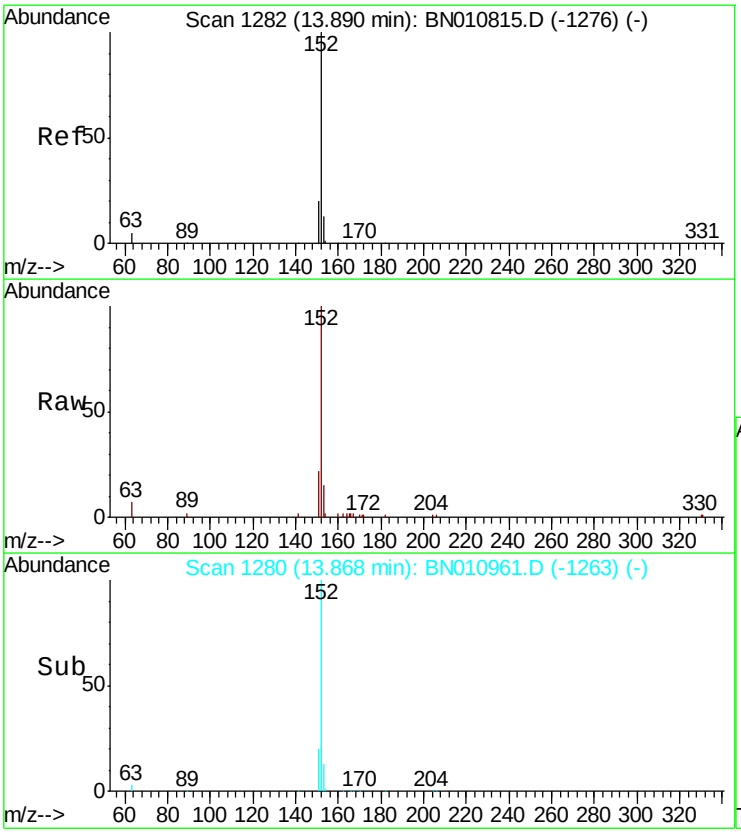
#15
2-Fluorobiphenyl
Concen: 0.489 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:172 Resp: 10131

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	22.7	19.7	29.5

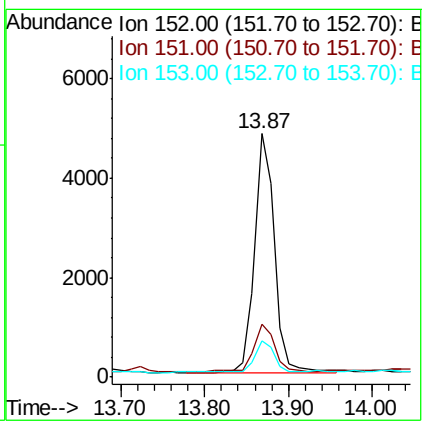


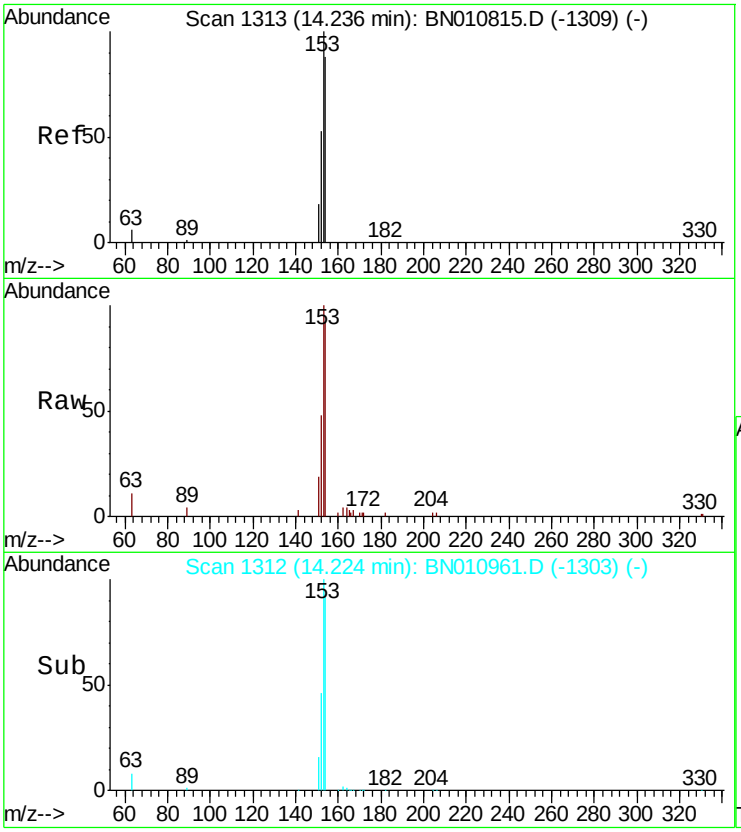


#16
Acenaphthylene
Concen: 0.368 ng
RT: 13.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:152 Resp: 7904

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.6	23.4
153	14.8	10.6	16.0



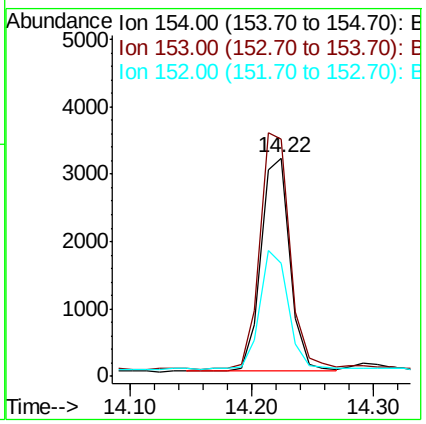


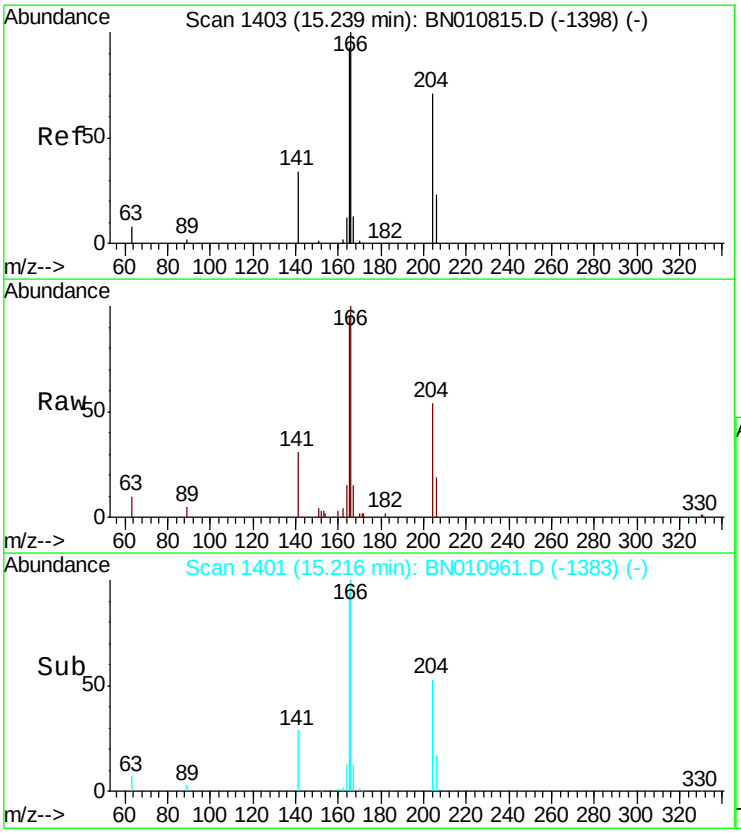
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:154 Resp: 5240

Ion	Ratio	Lower	Upper
154	100		
153	116.3	91.8	137.6
152	56.4	47.6	71.4

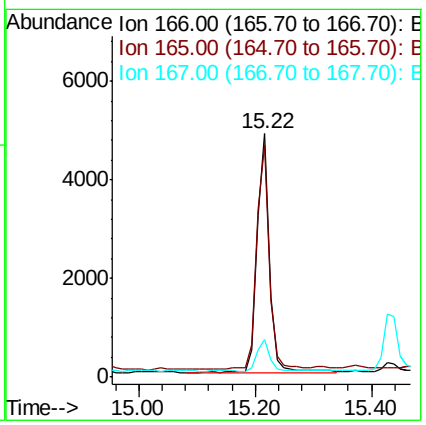


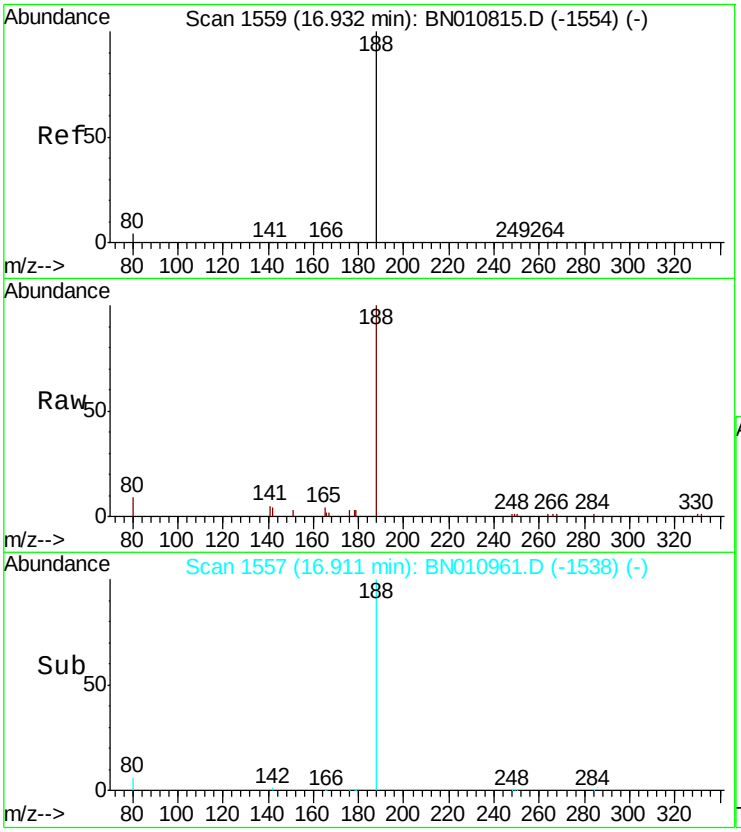


#18
Fluorene
Concen: 0.378 ng
RT: 15.22 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:166 Resp: 7152

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.2	115.8
167	14.8	10.7	16.1



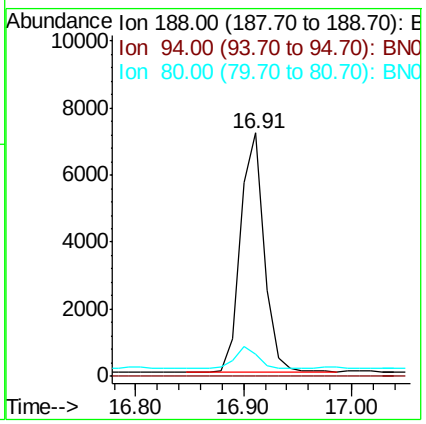


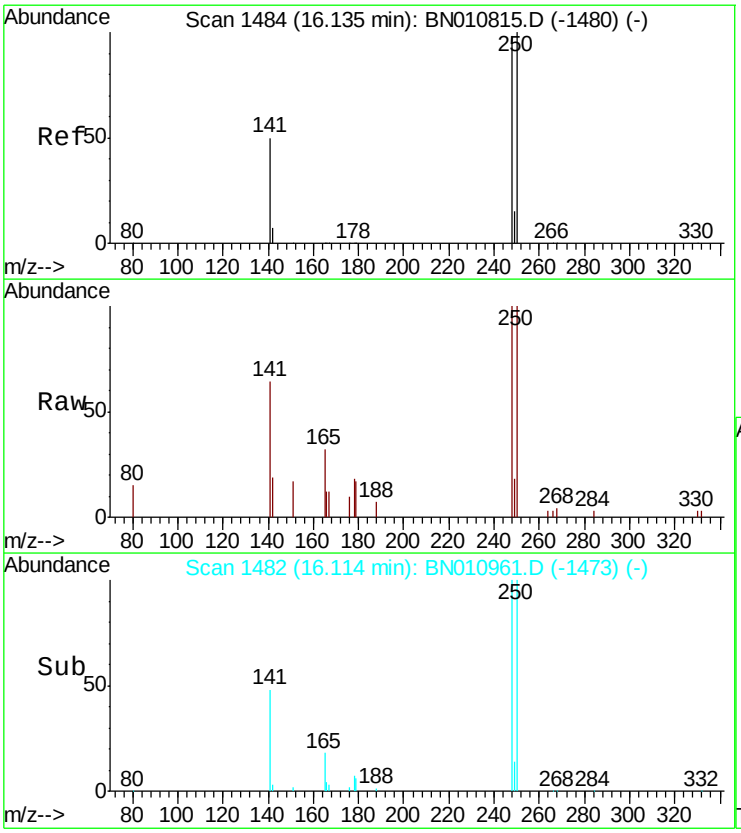
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:188 Resp: 10848

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	4.5	6.7#

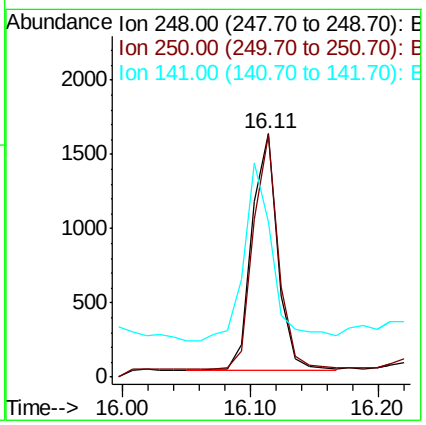


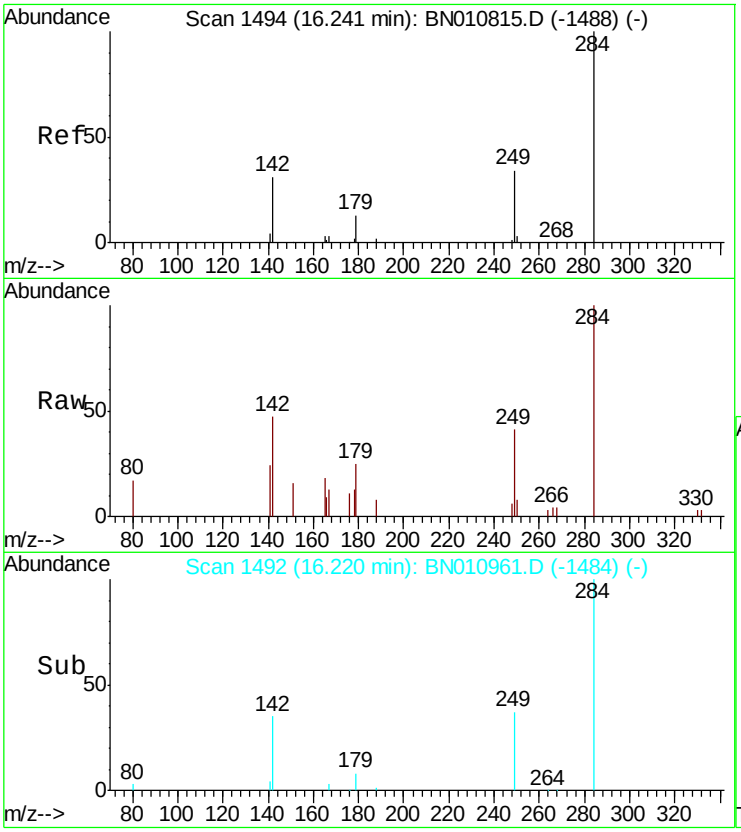


#20
4-Bromophenyl-phenylether
Concen: 0.344 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:248 Resp: 2243

Ion	Ratio	Lower	Upper
248	100		
250	99.8	81.8	122.8
141	63.8	42.6	64.0



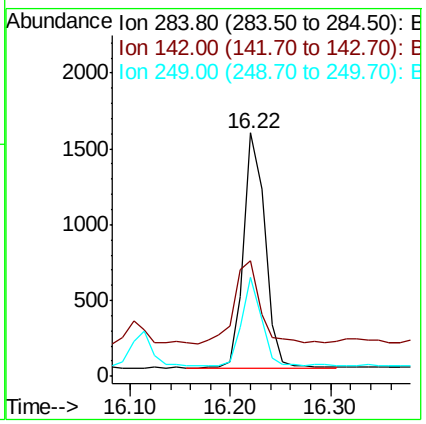


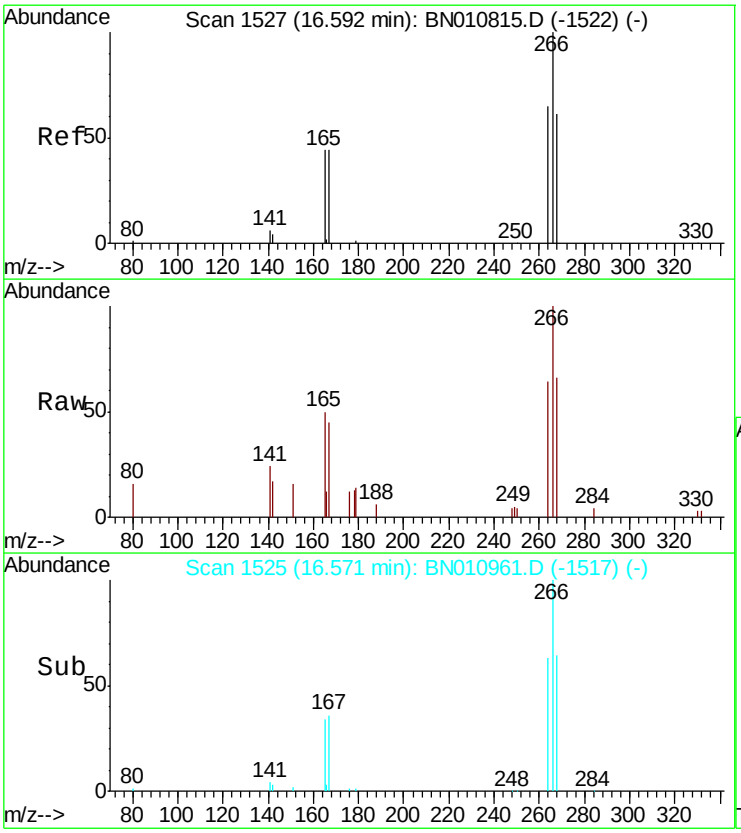
#21
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.22 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:284 Resp: 2315

Ion	Ratio	Lower	Upper
284	100		
142	42.6	31.0	46.4
249	34.0	27.1	40.7

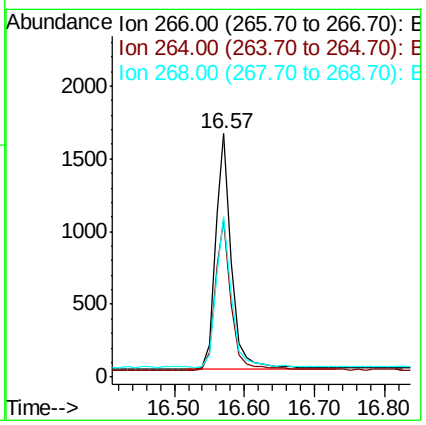


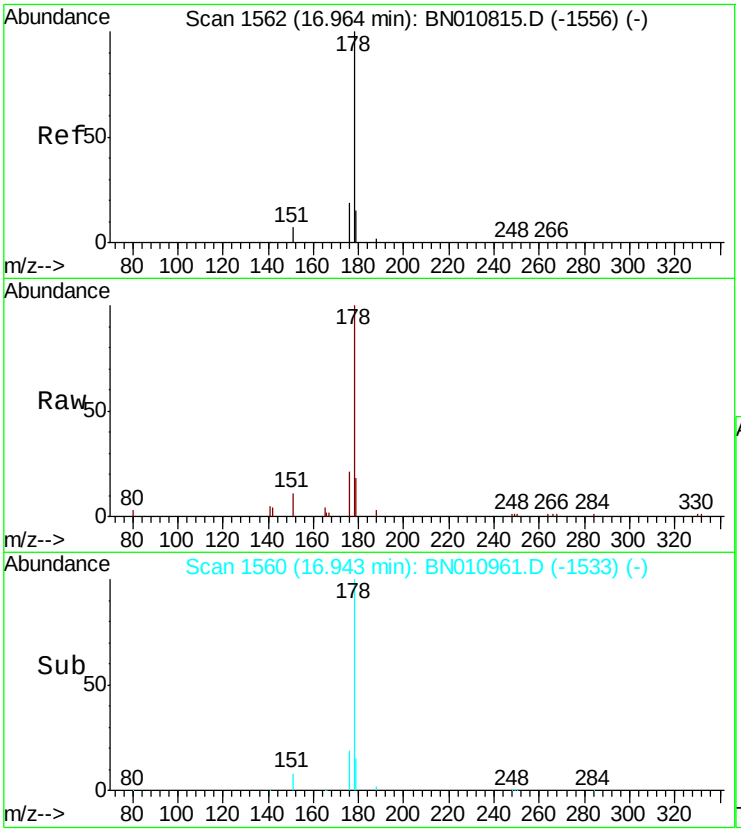


#22
Pentachlorophenol
Concen: 1.137 ng
RT: 16.57 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:266 Resp: 2596

Ion	Ratio	Lower	Upper
266	100		
264	64.4	54.8	82.2
268	65.9	55.9	83.9



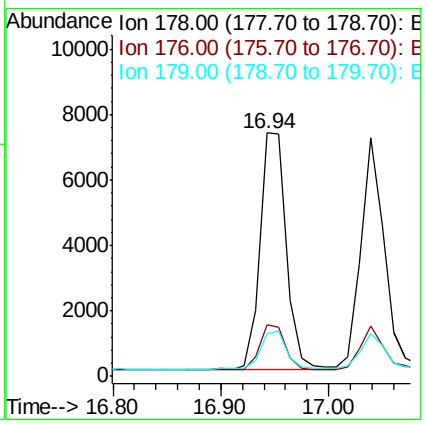


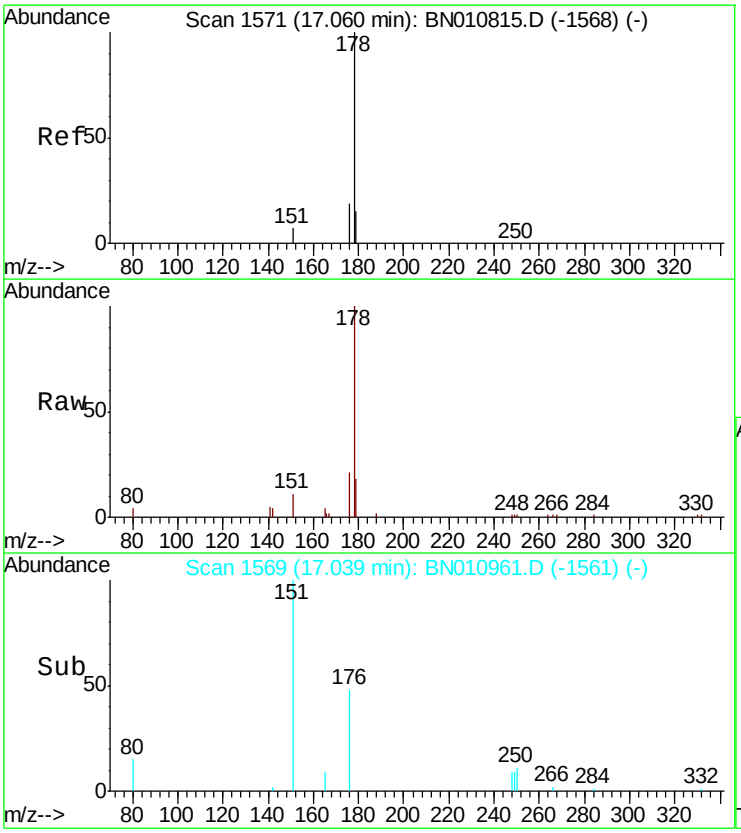
#23
Phenanthrene
Concen: 0.411 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:178 Resp: 12185

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	16.4	12.6	19.0

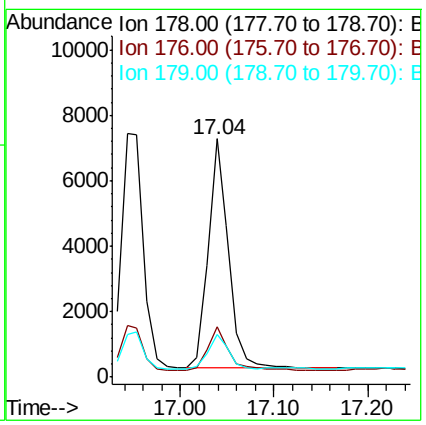


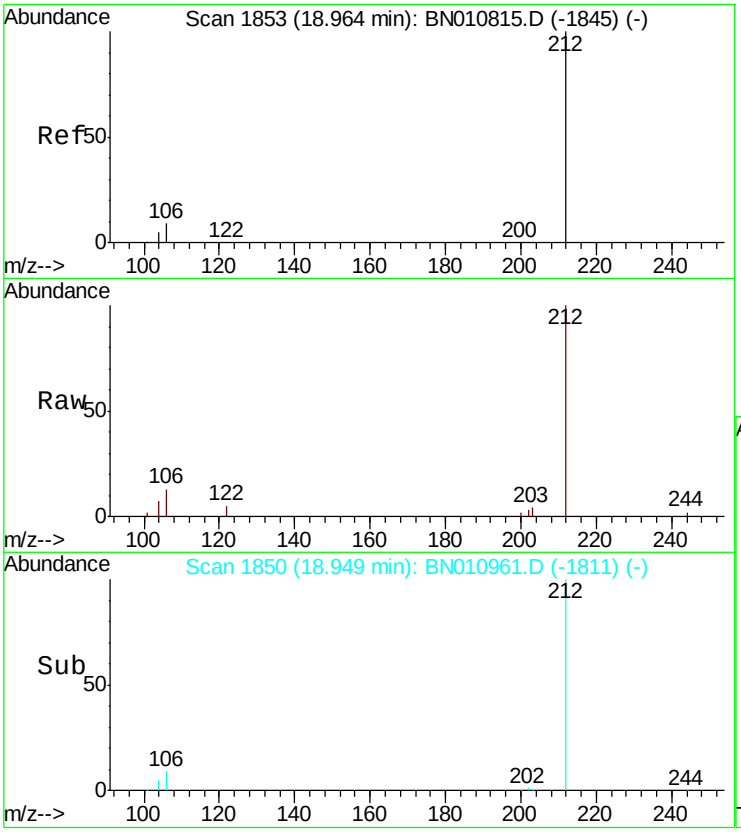


#24
Anthracene
Concen: 0.429 ng
RT: 17.04 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:178 Resp: 10602

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.6	22.0
179	14.9	12.3	18.5



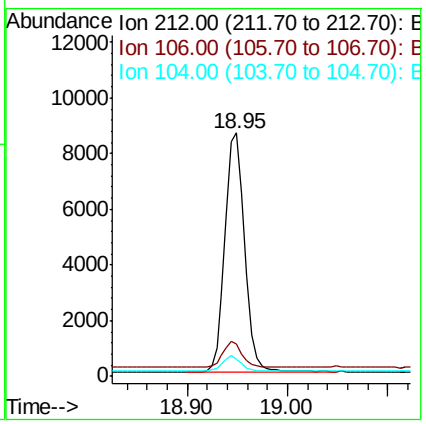


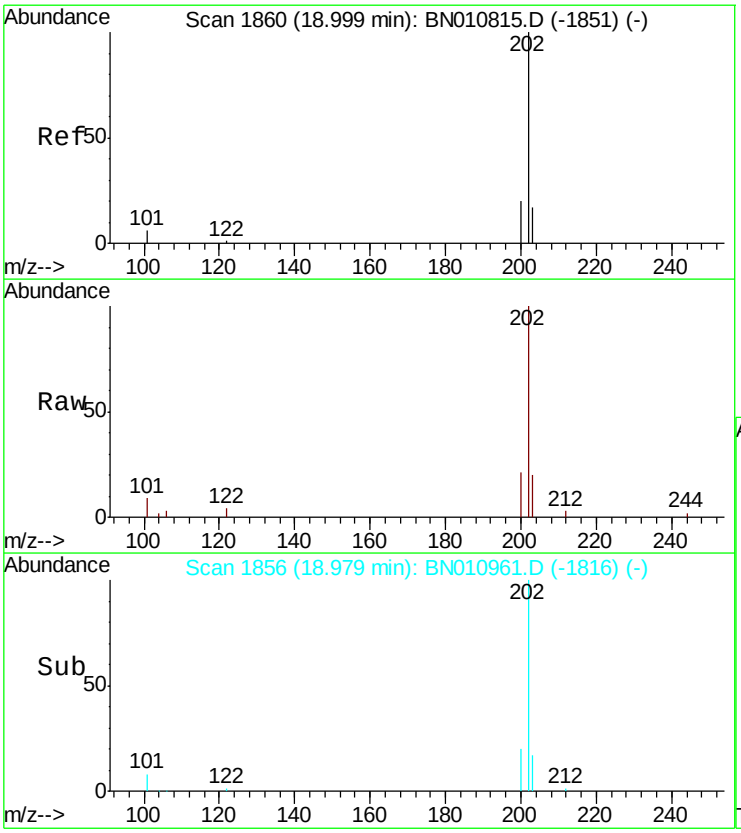
#25
Fluoranthene-d10
Concen: 0.390 ng
RT: 18.95 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:212 Resp: 11663

Ion	Ratio	Lower	Upper
212	100		
106	10.5	6.6	10.0#
104	5.9	4.0	6.0

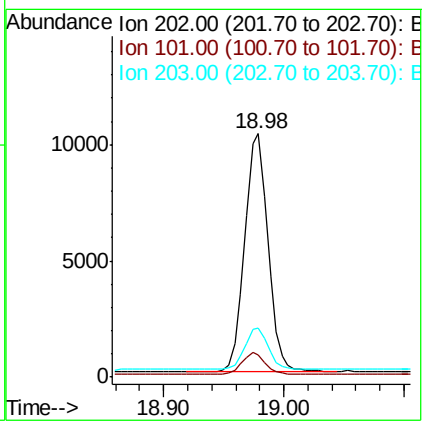


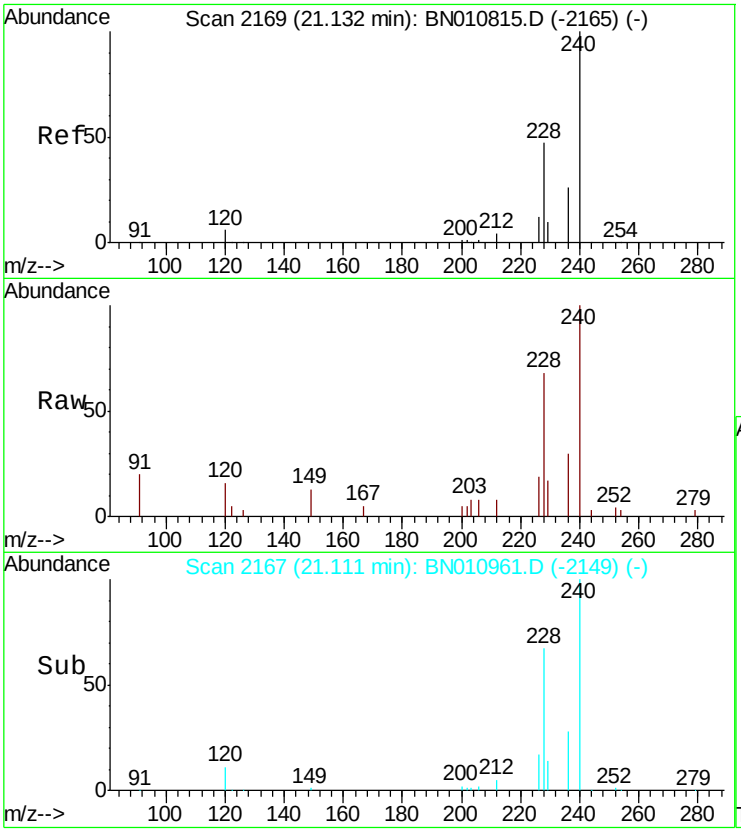


#26
Fluoranthene
Concen: 0.414 ng
RT: 18.98 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:202 Resp: 13926

Ion	Ratio	Lower	Upper
202	100		
101	9.2	5.8	8.6#
203	17.7	13.7	20.5



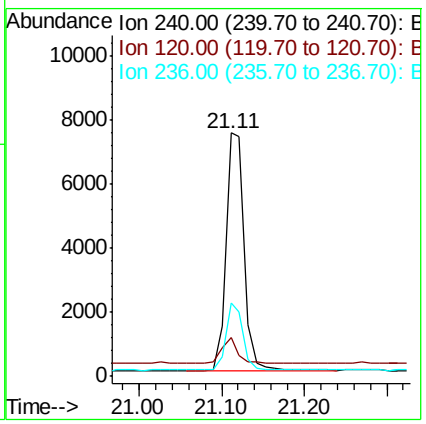


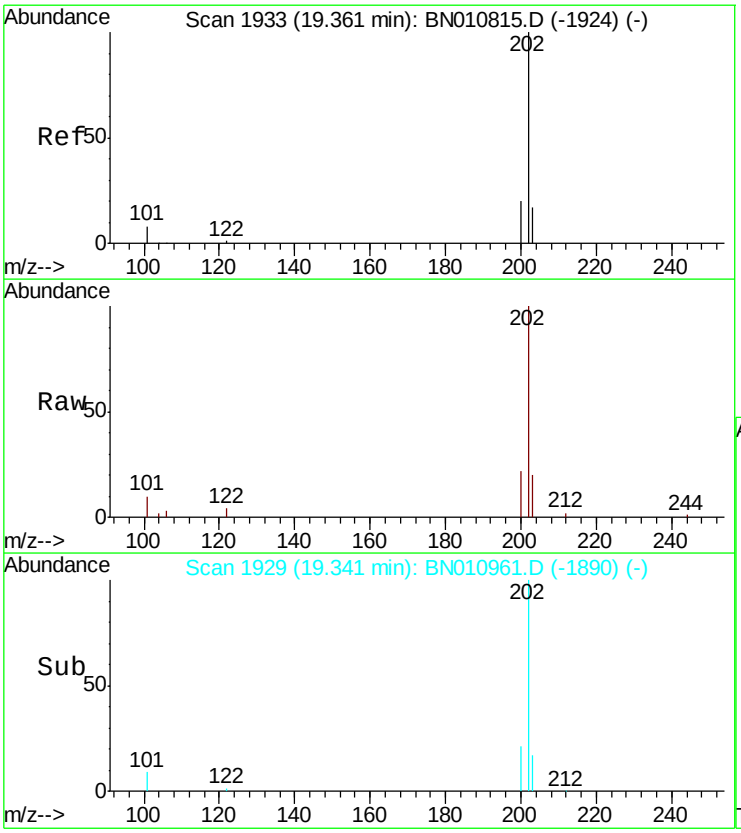
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:240 Resp: 11583

Ion	Ratio	Lower	Upper
240	100		
120	16.1	7.5	11.3#
236	30.2	22.3	33.5

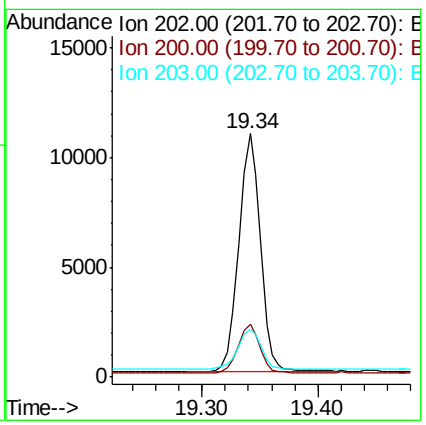


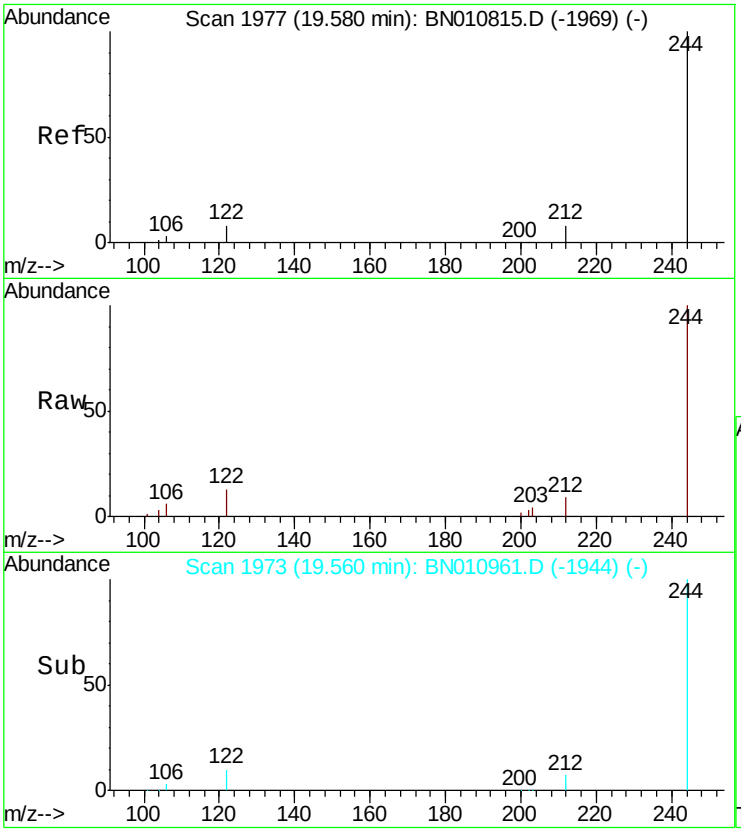


#28
Pyrene
Concen: 0.372 ng
RT: 19.34 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:202 Resp: 14259

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	18.4	14.2	21.4



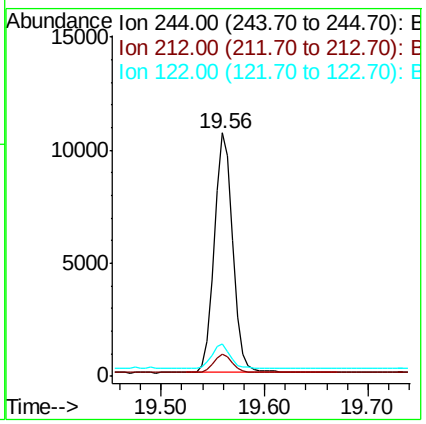


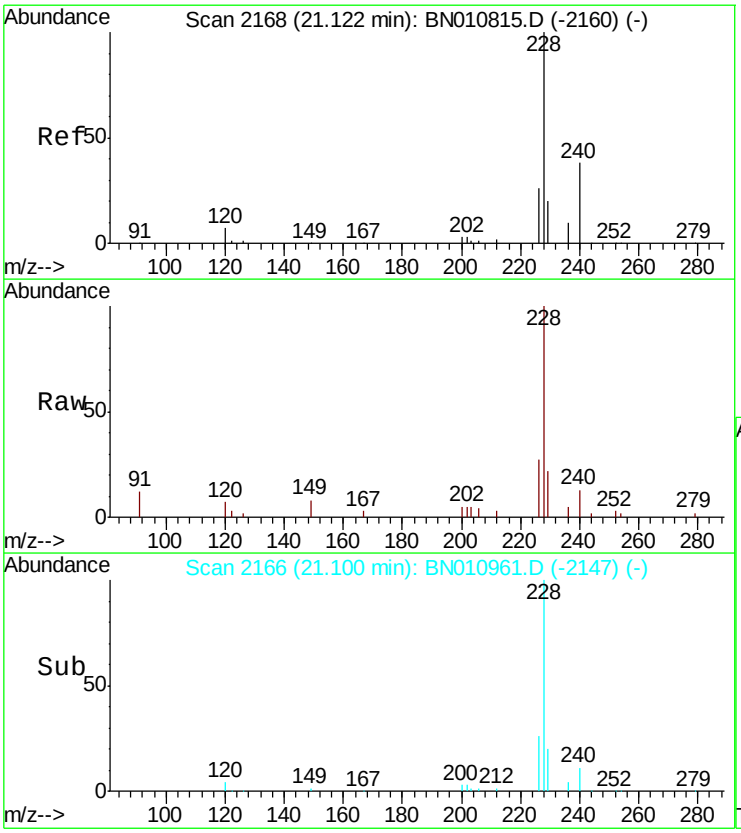
#29
Terphenyl-d14
Concen: 0.488 ng
RT: 19.56 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:244 Resp: 13222

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.4	11.2
122	13.2	7.5	11.3#

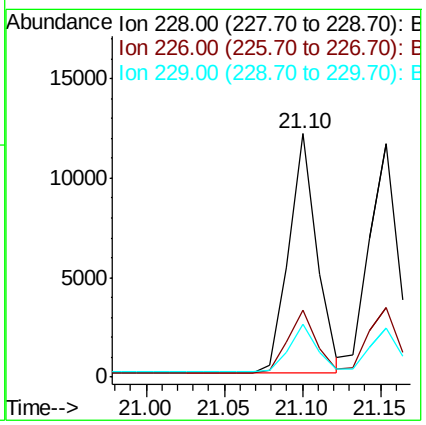


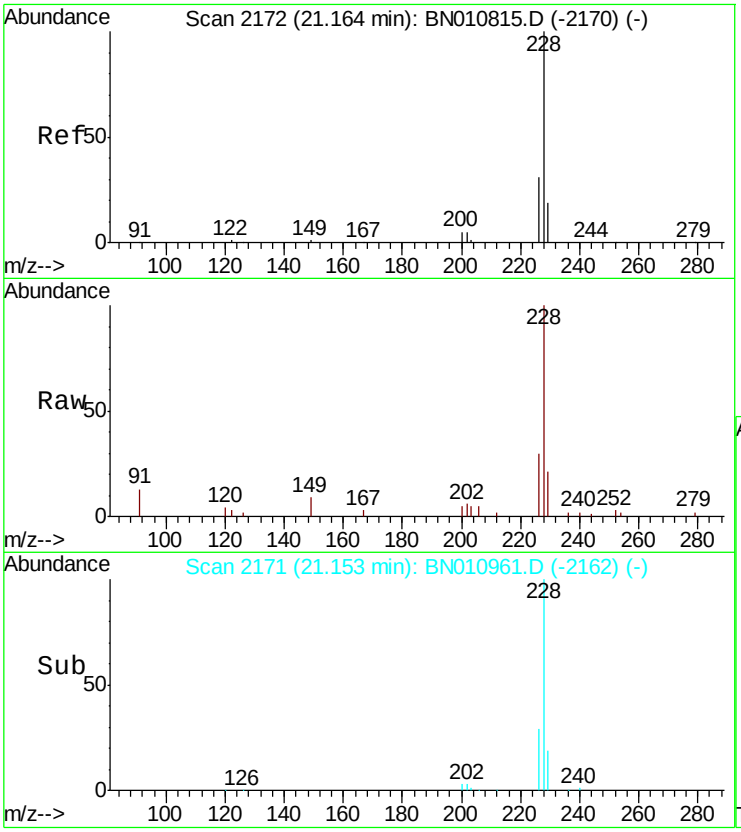


#30
Benzo(a)anthracene
Concen: 0.440 ng
RT: 21.10 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:228 Resp: 14995

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.3	31.9
229	21.6	16.6	24.8



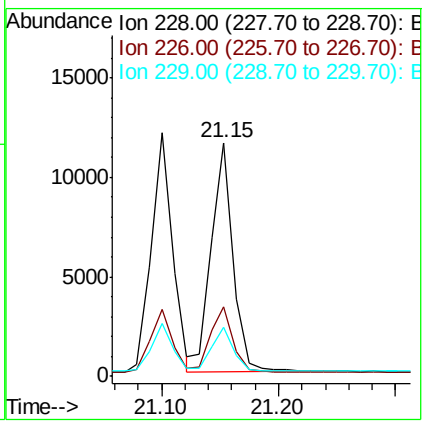


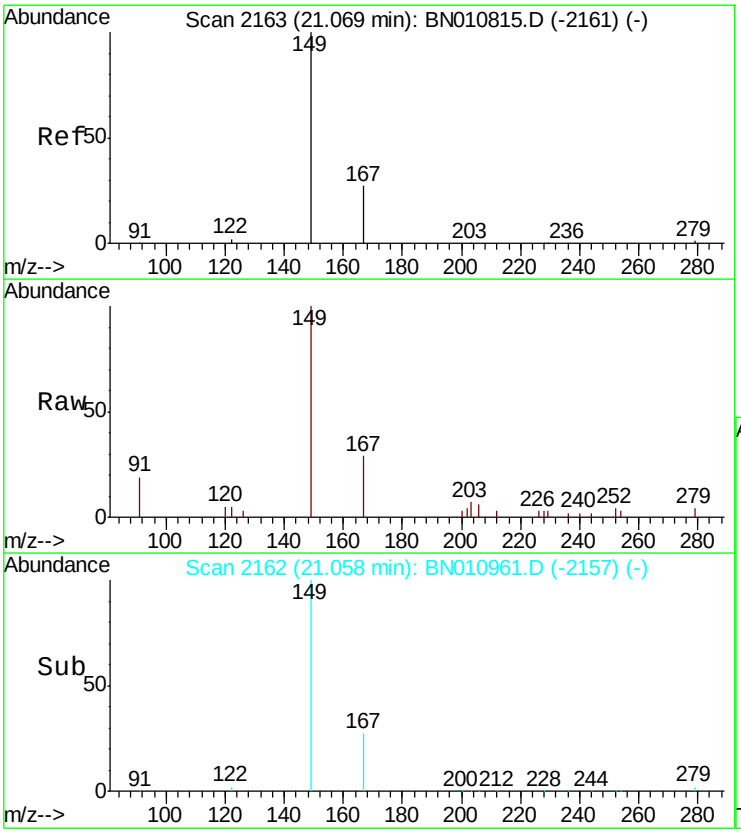
#31
Chrysene
Concen: 0.379 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:228 Resp: 15049

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.2	16.1	24.1

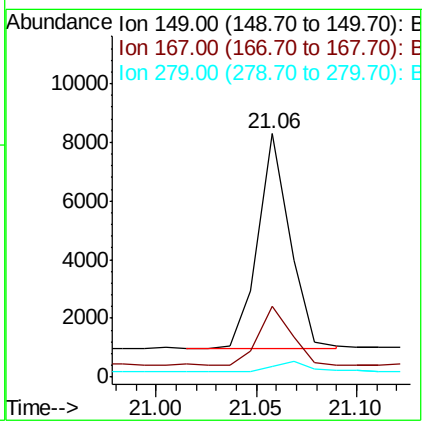


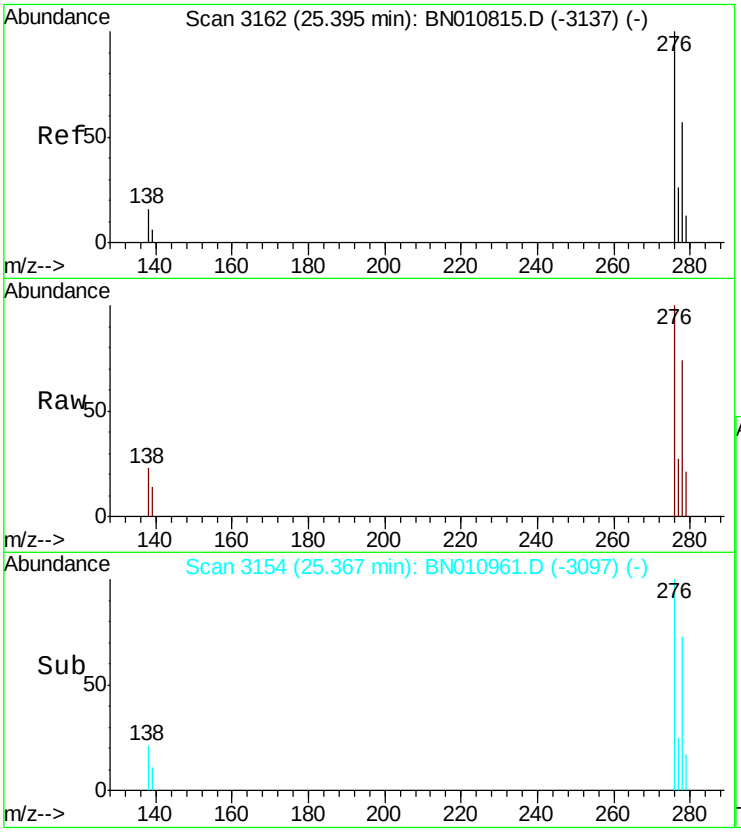


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.709 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:149 Resp: 8048

Ion	Ratio	Lower	Upper
149	100		
167	27.4	24.1	36.1
279	5.5	4.6	7.0



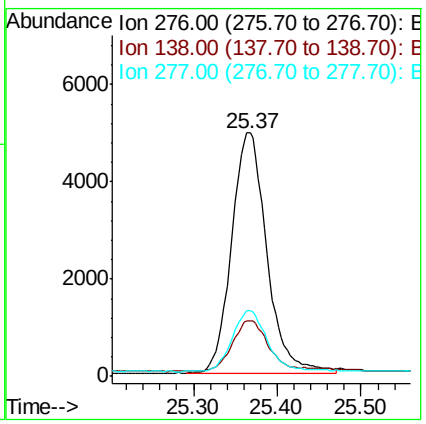


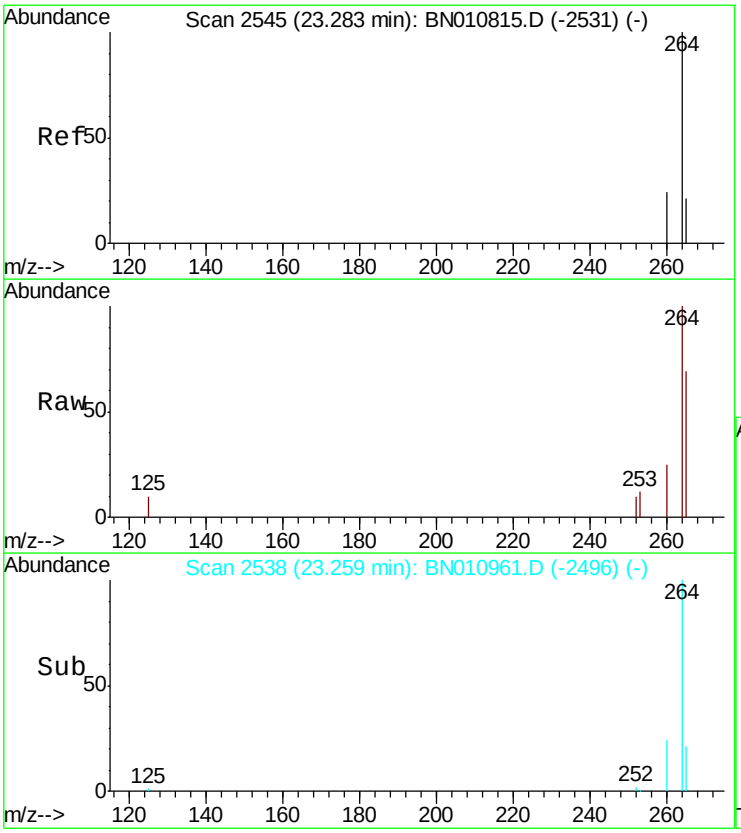
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.325 ng
RT: 25.37 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:276 Resp: 14430

Ion	Ratio	Lower	Upper
276	100		
138	21.3	13.0	19.6#
277	25.4	19.7	29.5

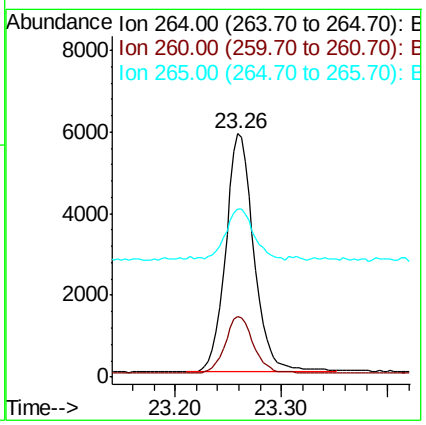


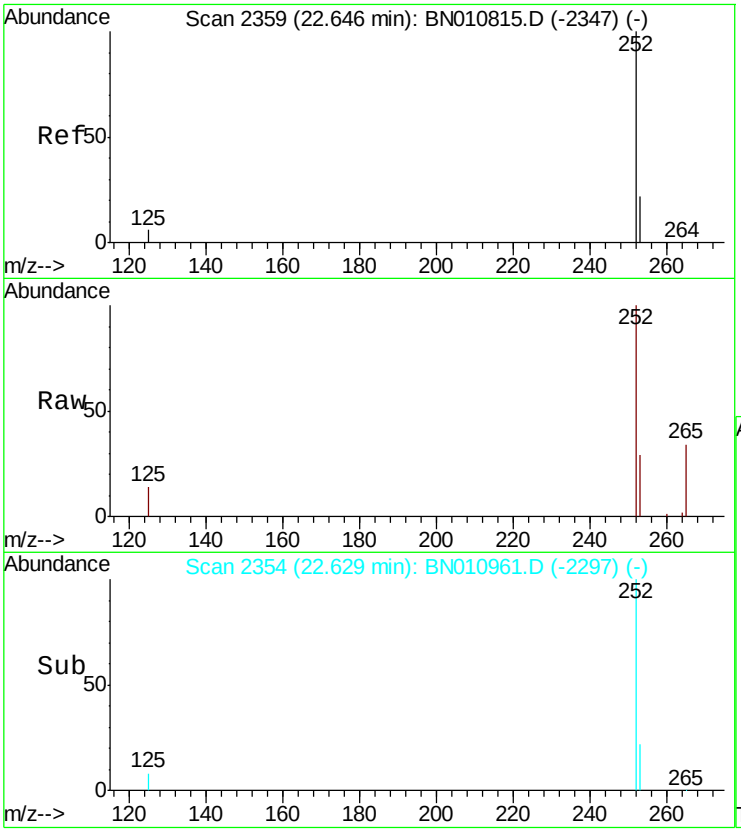


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.26 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:264 Resp: 10804

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	69.0	75.0	112.4#



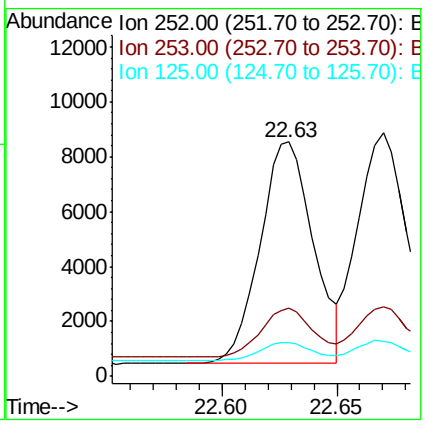


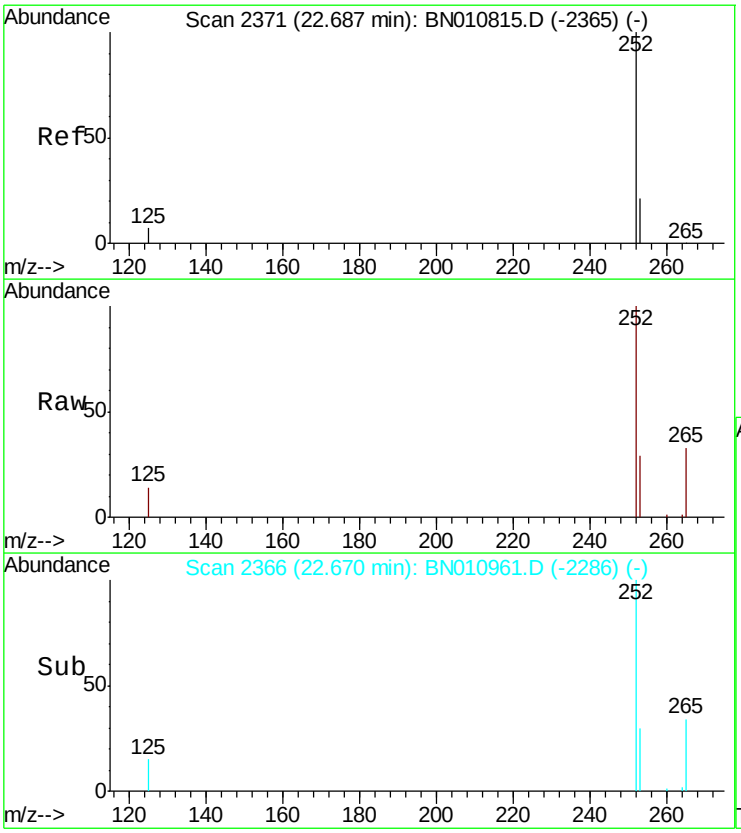
#35
Benzo(b)fluoranthene
Concen: 0.356 ng
RT: 22.63 min Scan# 2354
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:252 Resp: 13093

Ion	Ratio	Lower	Upper
252	100		
253	29.0	22.4	33.6
125	14.3	9.4	14.0#

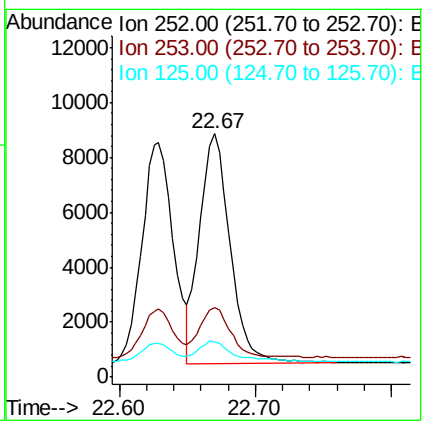


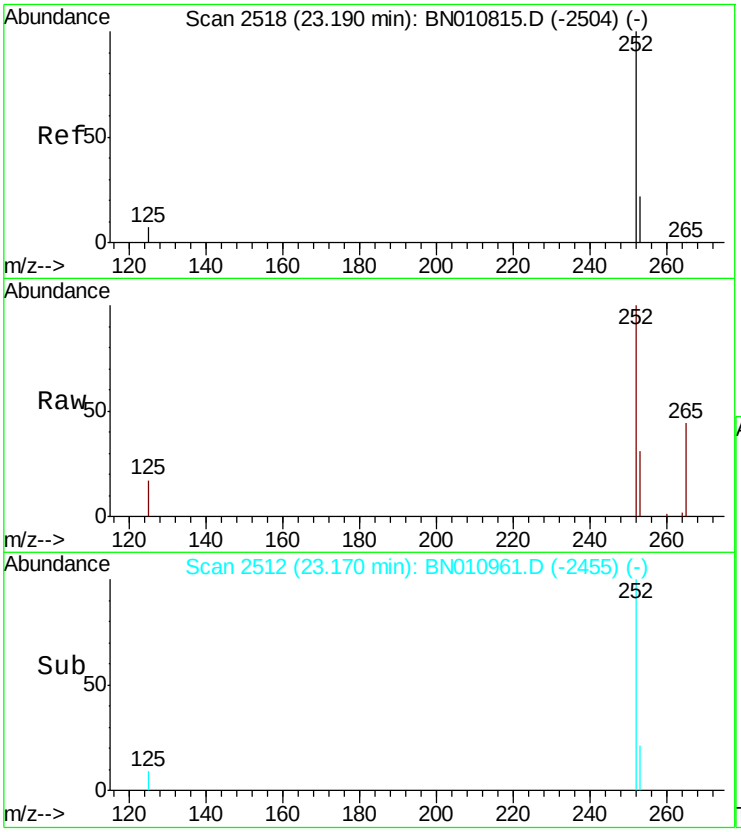


#36
Benzo(k)fluoranthene
Concen: 0.334 ng
RT: 22.67 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:252 Resp: 13056

Ion	Ratio	Lower	Upper
252	100		
253	28.7	22.2	33.4
125	14.3	9.8	14.8



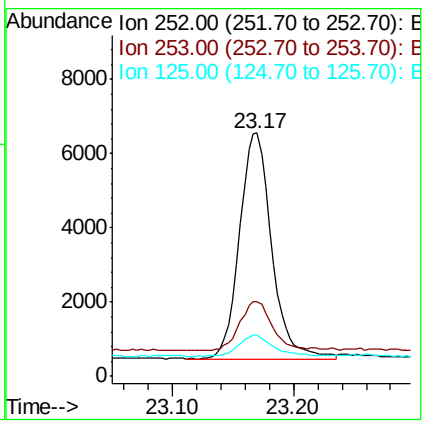


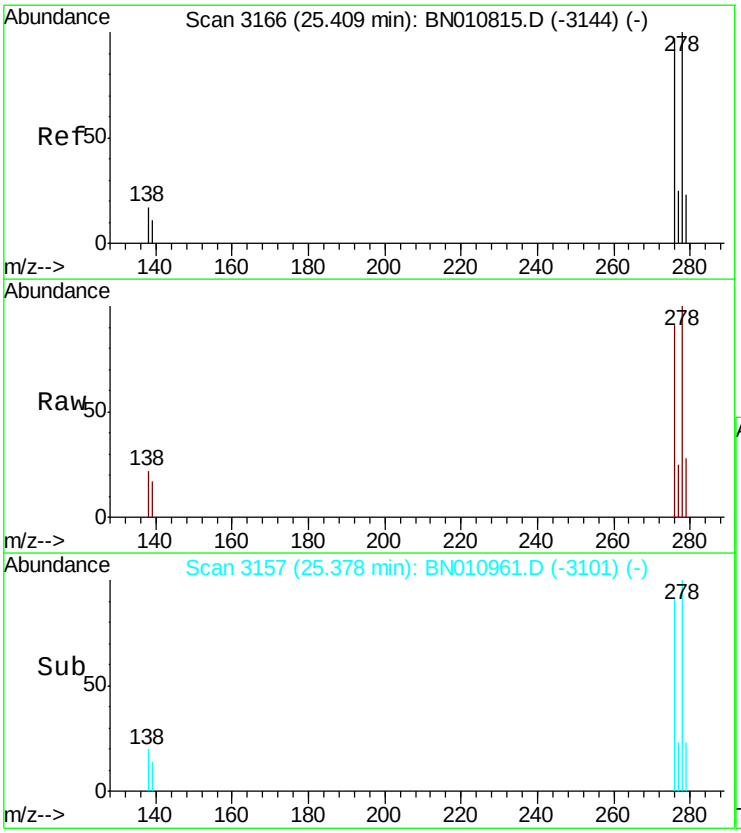
#37
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.17 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:252 Resp: 11310

Ion	Ratio	Lower	Upper
252	100		
253	30.6	25.8	38.8
125	17.1	12.4	18.6

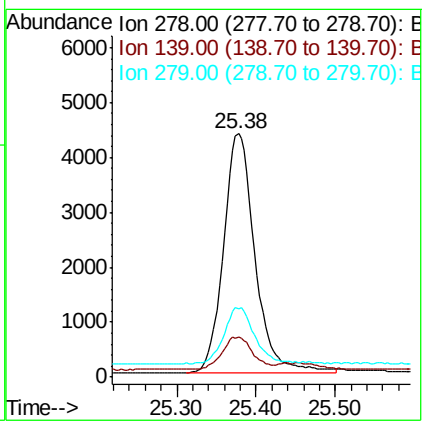


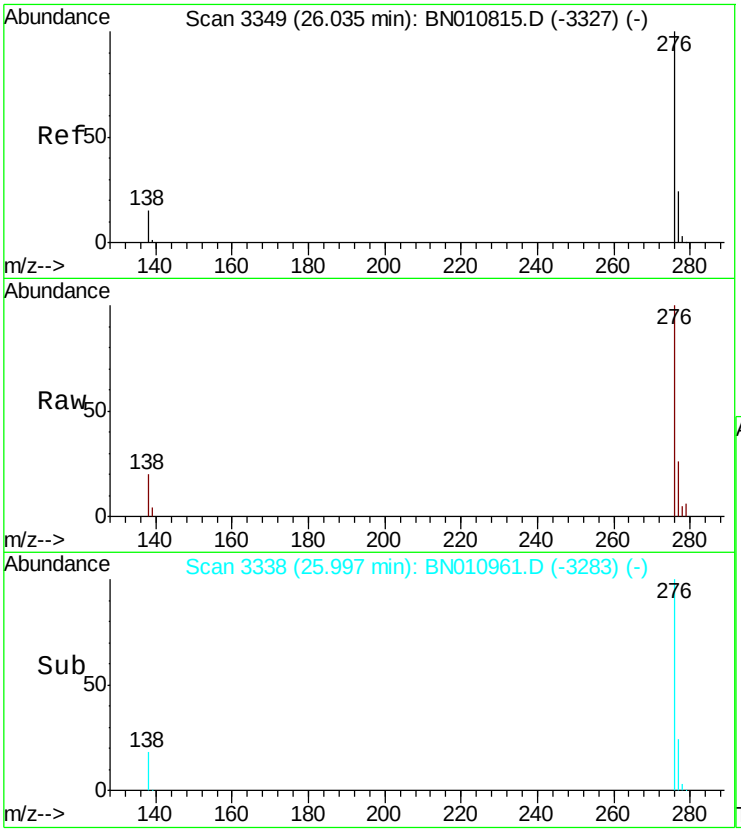


#38
Dibenzo(a,h)anthracene
Concen: 0.335 ng
RT: 25.38 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Tgt Ion:278 Resp: 12054

Ion	Ratio	Lower	Upper
278	100		
139	16.6	10.6	15.8#
279	28.1	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.343 ng
RT: 26.00 min Scan# 3338
Delta R.T. -0.01 min
Lab File: BN010961.D
Acq: 18 Jun 2020 19:47

Instrument :
BNA_N
ClientSampleId :
MW-23MSD

Tgt Ion:276 Resp: 12865

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.5	30.7
138	20.4	13.7	20.5