Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
Data File : BN010907.D
Acq On : 16 Jun 2020 15:19
Operator : CG/JU
Sample : L3011-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RE117D1-20200611MSD

Quant Time: Jun 16 15:49:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 16 08:49:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2574	0.40	ng		0.00
7) Naphthalene-d8	10.29	136	8480	0.40	ng		-0.01
13) Acenaphthene-d10	14.17	164	4667	0.40	ng		0.00
19) Phenanthrene-d10	16.91	188	10210	0.40	ng		-0.01
27) Chrysene-d12	21.12	240	9221	0.40	ng		-0.01
34) Perylene-d12	23.27	264	9573	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.20	112	886	0.18	ng		0.00
5) Phenol-d6	6.74	99	657	0.11	ng		0.00
8) Nitrobenzene-d5	8.68	82	2743	0.44	ng		0.00
11) 2-Methylnaphthalene-d10	11.89	152	7130	0.54	ng		0.00
14) 2,4,6-Tribromophenol	15.67	330	647	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.79	172	8203	0.45	ng		0.00
25) Fluoranthene-d10	18.95	212	14852	0.53	ng		0.00
29) Terphenyl-d14	19.57	244	11373	0.53	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1308	0.519	ng	#	90
3) n-Nitrosodimethylamine	3.53	42	742	0.506	ng	#	93
6) bis(2-Chloroethyl)ether	6.99	93	2370	0.415	ng		95
9) Naphthalene	10.34	128	8403	0.394	ng		99
10) Hexachlorobutadiene	10.63	225	1788	0.339	ng	#	98
12) 2-Methylnaphthalene	11.96	142	6103	0.428	ng		99
16) Acenaphthylene	13.88	152	7324	0.383	ng		99
17) Acenaphthene	14.22	154	4914	0.377	ng		99
18) Fluorene	15.22	166	6582	0.391	ng		96
20) 4-Bromophenyl-phenylether	16.11	248	1980	0.323	ng	#	79
21) Hexachlorobenzene	16.23	284	2157	0.337	ng		99
22) Pentachlorophenol	16.58	266	2385	1.110	ng		96
23) Phenanthrene	16.95	178	13872	0.497	ng		99
24) Anthracene	17.05	178	9033	0.388	ng		99
26) Fluoranthene	18.98	202	11473	0.362	ng	#	99
28) Pyrene	19.35	202	11671	0.383	ng		99
30) Benzo(a)anthracene	21.11	228	10805	0.399	ng		100
31) Chrysene	21.16	228	11737	0.372	ng		97
32) Bis(2-ethylhexyl)phthalate	21.07	149	5306	0.587	ng		98
33) Indeno(1,2,3-cd)pyrene	25.38	276	13650	0.387	ng	#	95
35) Benzo(b)fluoranthene	22.64	252	11737	0.361	ng	#	97
36) Benzo(k)fluoranthene	22.68	252	12568	0.362	ng		98
37) Benzo(a)pyrene	23.18	252	10216	0.366	ng		97
38) Dibenzo(a,h)anthracene	25.39	278	11452	0.360	ng		97
39) Benzo(g,h,i)perylene	26.01	276	12079	0.363	ng	#	97

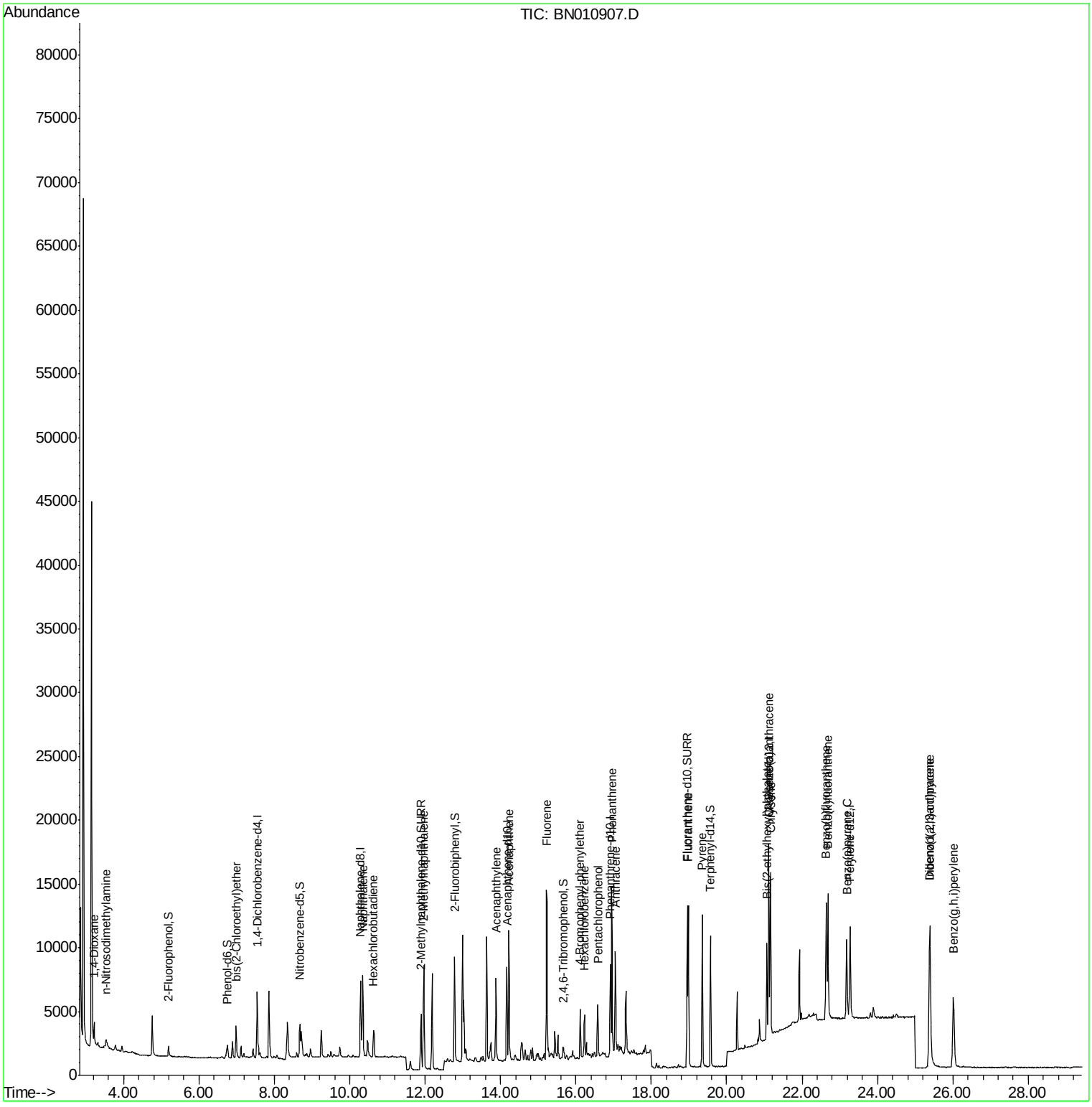
(#) = qualifier out of range (m) = manual integration (+) = signals summed

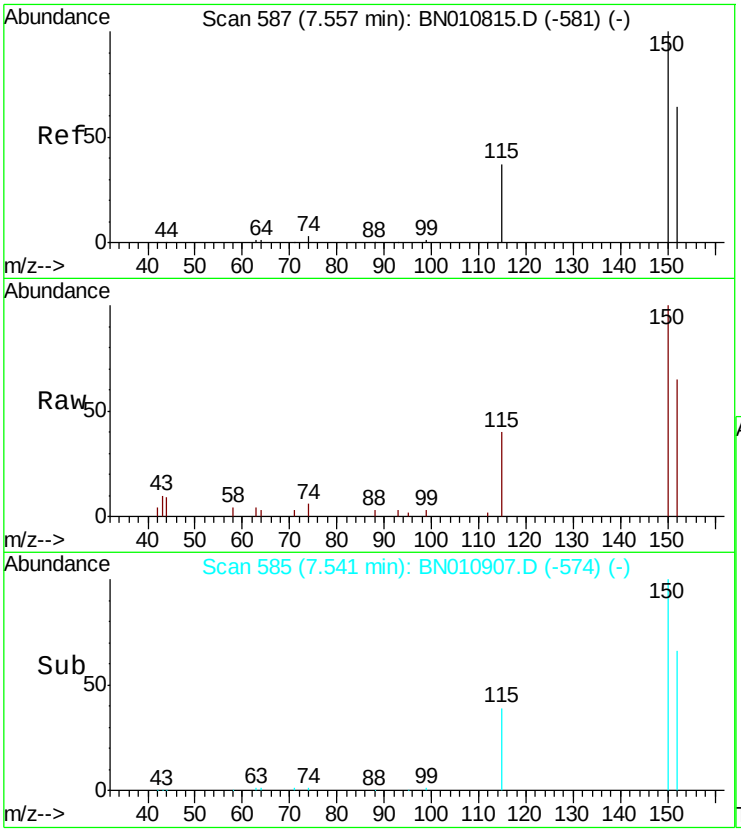
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
Data File : BN010907.D
Acq On : 16 Jun 2020 15:19
Operator : CG/JU
Sample : L3011-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Quant Time: Jun 16 15:49:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 16 08:49:35 2020
Response via : Initial Calibration



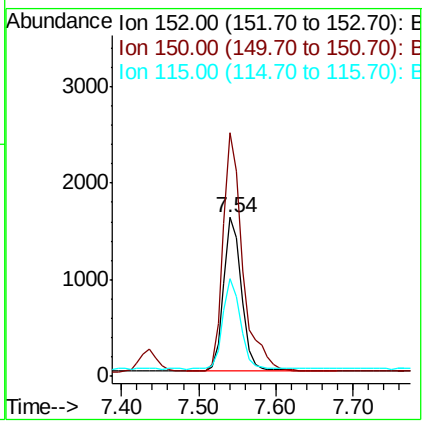


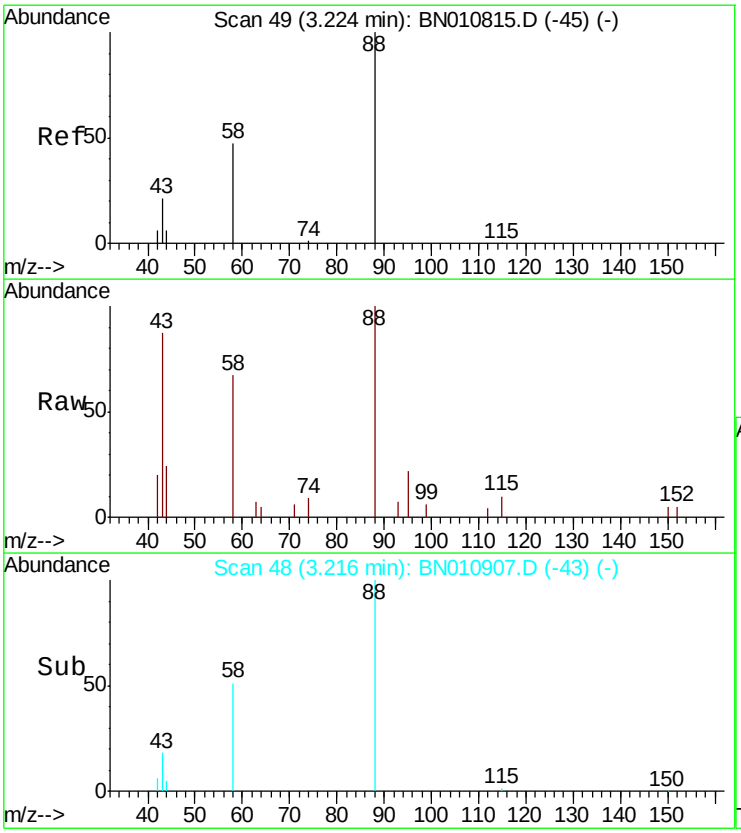
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:152 Resp: 2574

Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.8	185.6
115	61.6	49.2	73.8

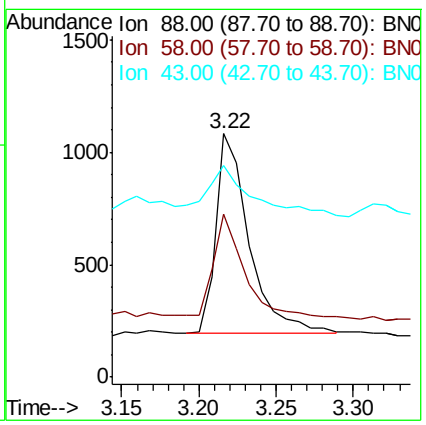


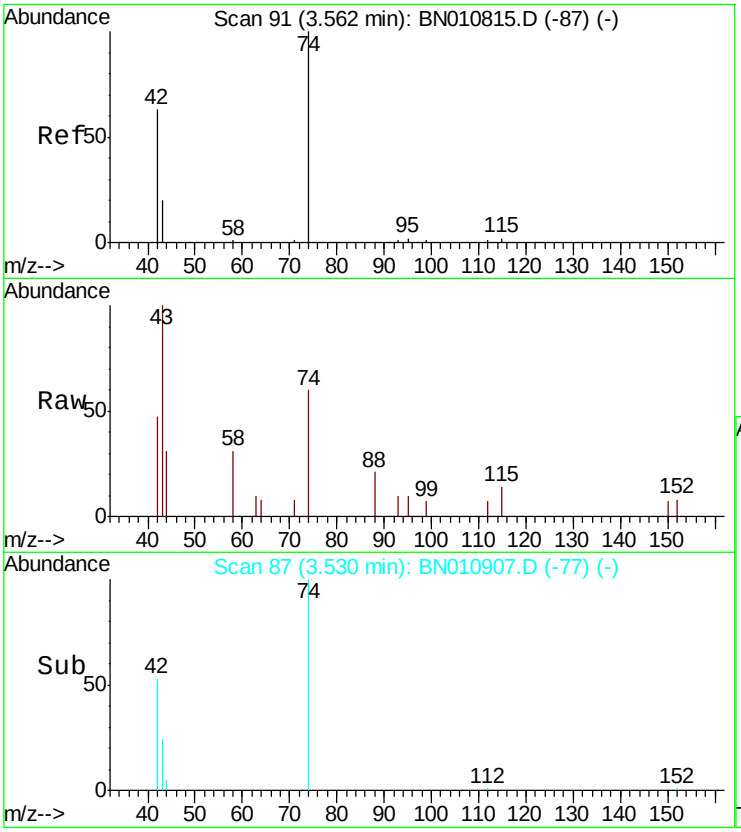


#2
1,4-Dioxane
Concen: 0.519 ng
RT: 3.22 min Scan# 48
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion: 88 Resp: 1308

Ion	Ratio	Lower	Upper
88	100		
58	47.3	38.2	57.4
43	34.5	15.1	22.7#



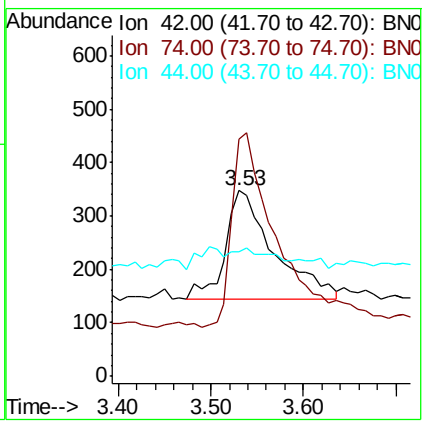


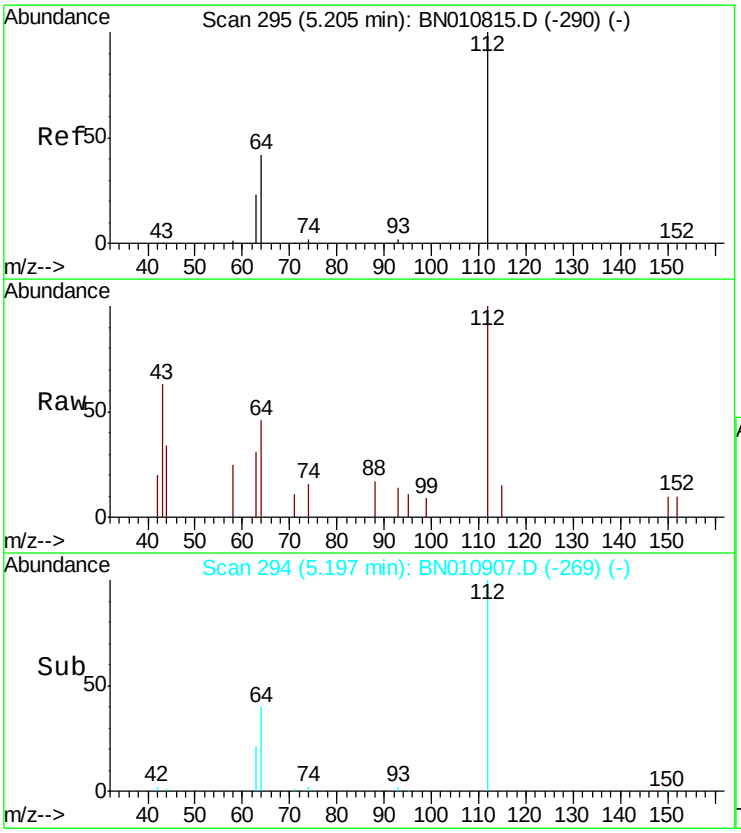
#3
n-Nitrosodimethylamine
Concen: 0.506 ng
RT: 3.53 min Scan# 87
Delta R.T. -0.02 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion: 42 Resp: 742

Ion	Ratio	Lower	Upper
42	100		
74	165.8	140.7	211.1
44	0.0	1.4	2.2#

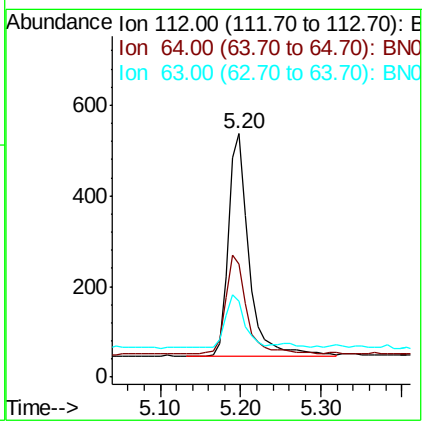


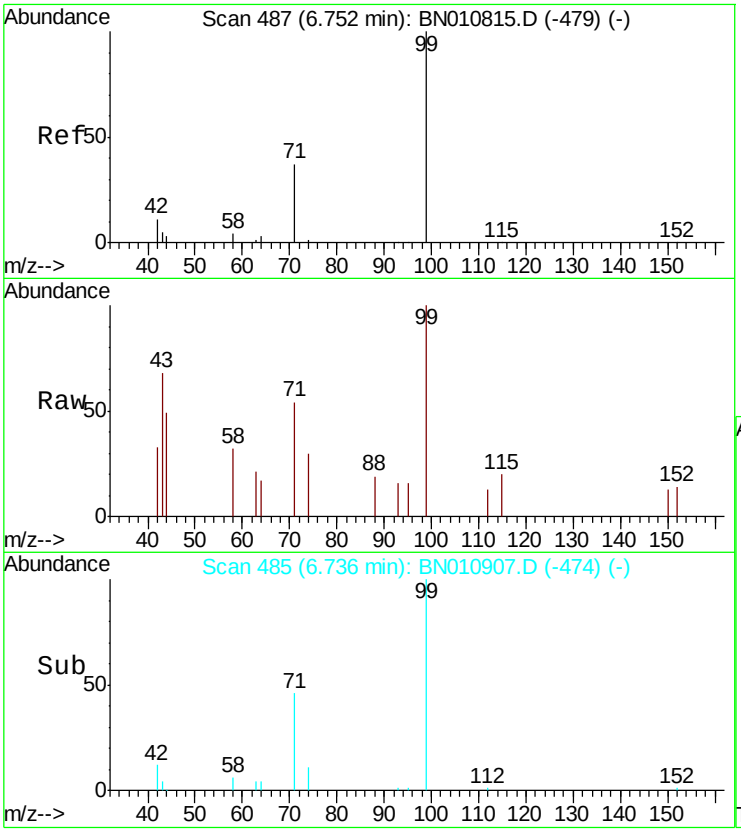


#4
2-Fluorophenol
Concen: 0.178 ng
RT: 5.20 min Scan# 294
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:112 Resp: 886

Ion	Ratio	Lower	Upper
112	100		
64	44.4	37.4	56.0
63	22.5	22.2	33.4



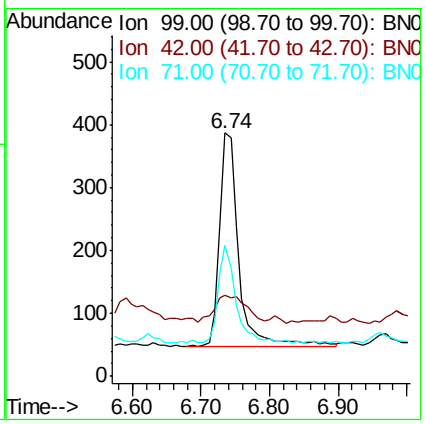


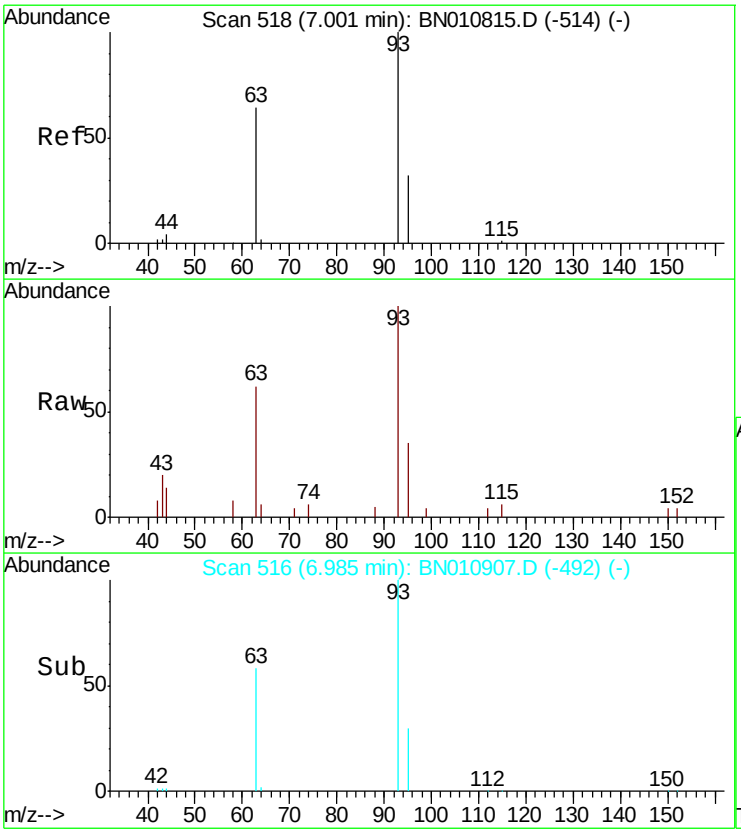
#5
Phenol-d6
Concen: 0.112 ng
RT: 6.74 min Scan# 485
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion: 99 Resp: 657

Ion	Ratio	Lower	Upper
99	100		
42	20.1	11.1	16.7#
71	41.7	31.4	47.2

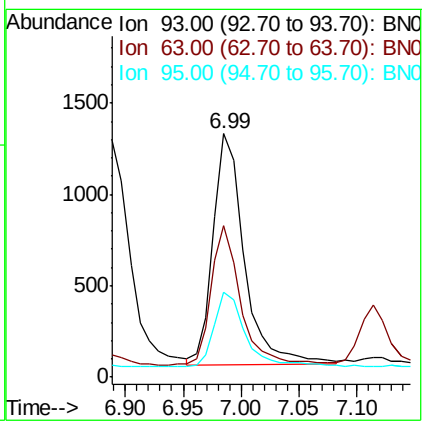


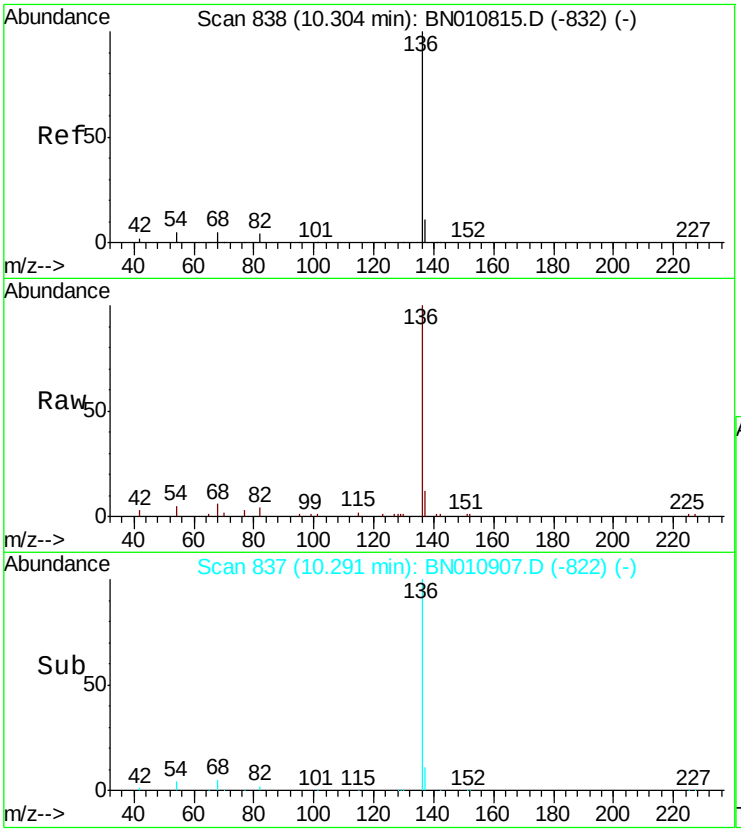


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 6.99 min Scan# 516
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion: 93 Resp: 2370

Ion	Ratio	Lower	Upper
93	100		
63	57.1	49.4	74.2
95	31.9	26.7	40.1



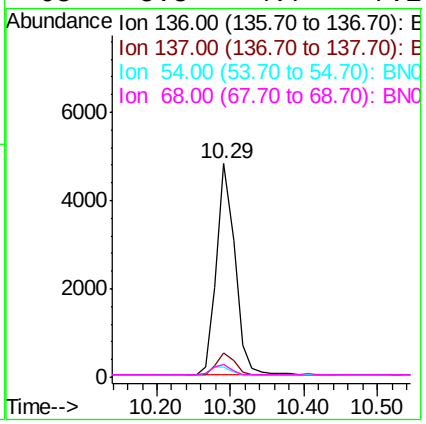


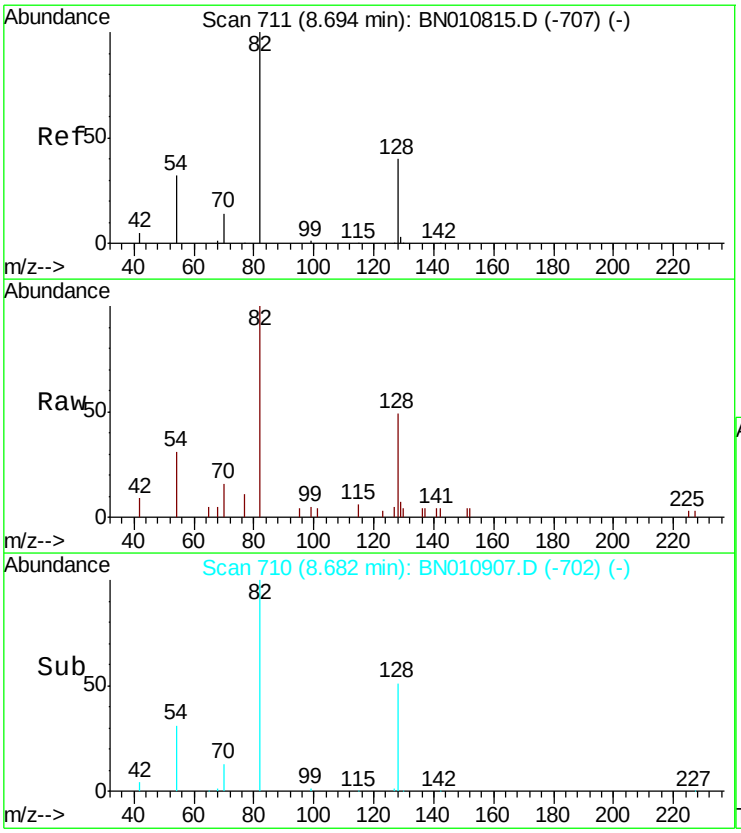
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.29 min Scan# 837
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:136 Resp: 8480

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	4.9	4.9	7.3#
68	5.8	4.7	7.1

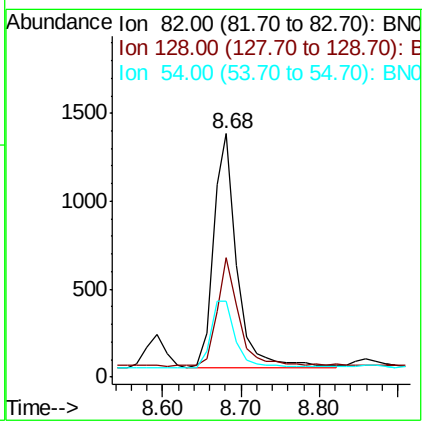


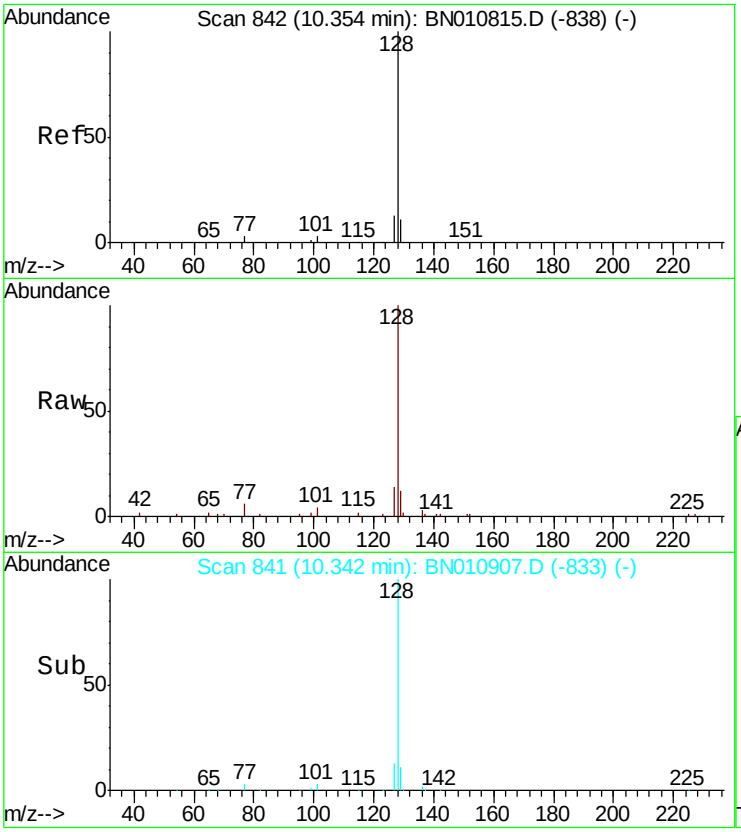


#8
Nitrobenzene-d5
Concen: 0.437 ng
RT: 8.68 min Scan# 710
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion: 82 Resp: 2743

Ion	Ratio	Lower	Upper
82	100		
128	49.2	35.4	53.0
54	31.3	28.2	42.4



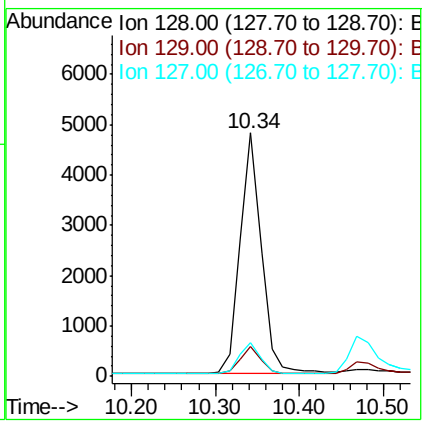


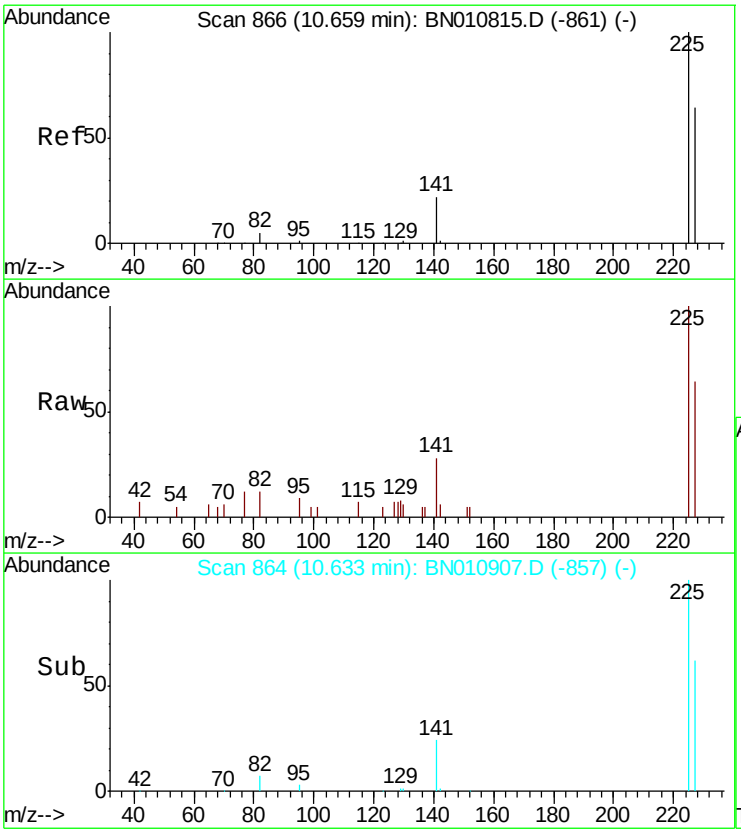
#9
Naphthalene
Concen: 0.394 ng
RT: 10.34 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:128 Resp: 8403

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.6	14.4
127	13.9	11.4	17.2

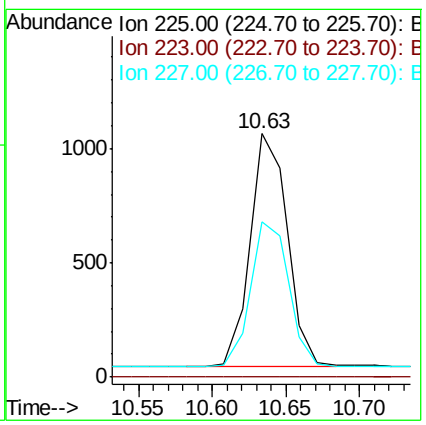


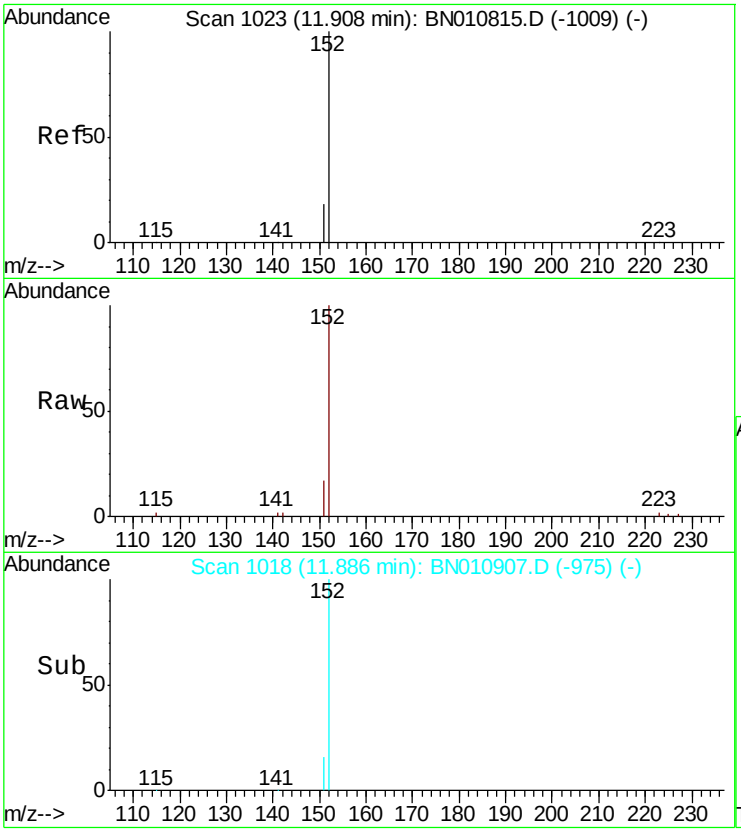


#10
Hexachlorobutadiene
Concen: 0.339 ng
RT: 10.63 min Scan# 864
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:225 Resp: 1788

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.5	75.7



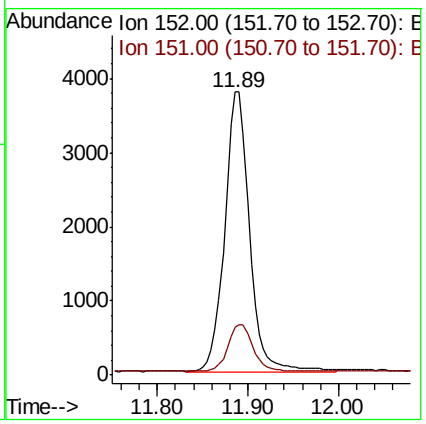


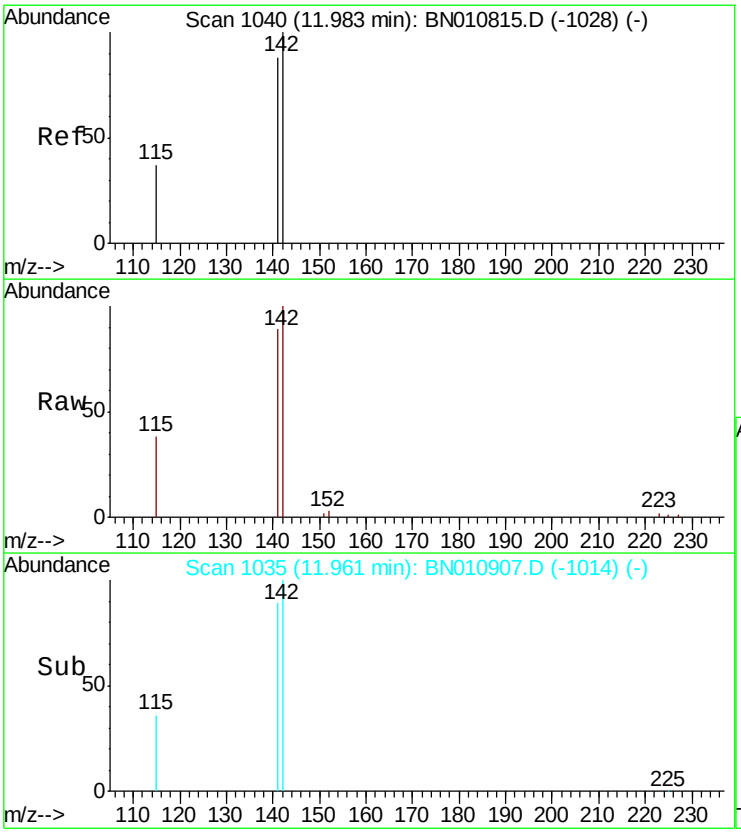
#11
2-Methylnaphthalene-d10
Concen: 0.542 ng
RT: 11.89 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:152 Resp: 7130

Ion	Ratio	Lower	Upper
152	100		
151	16.9	15.3	22.9

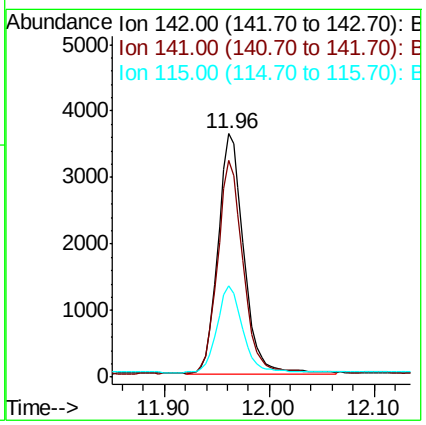


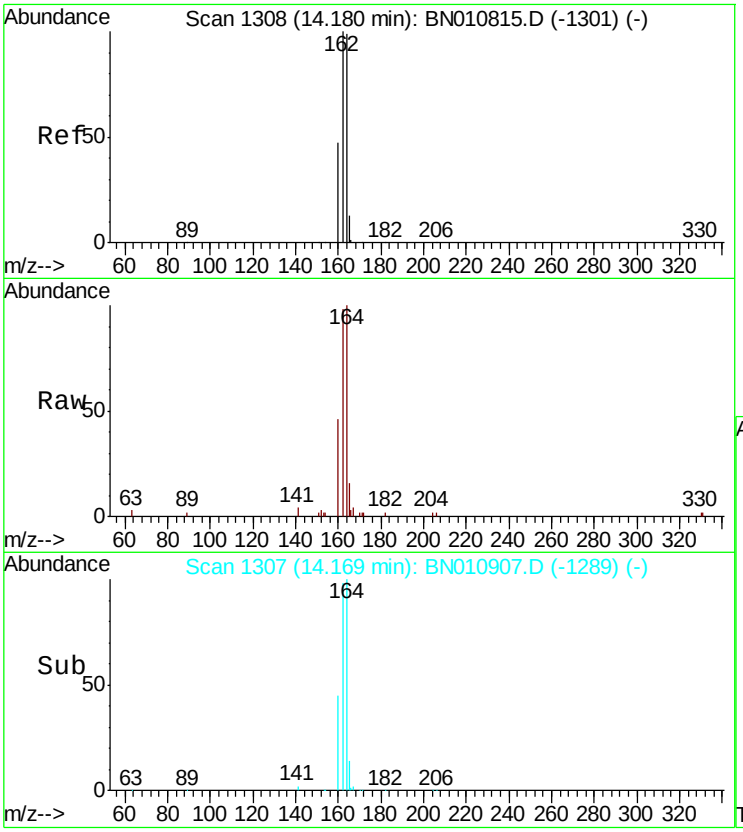


#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 11.96 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:142 Resp: 6103

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	37.7	31.5	47.3



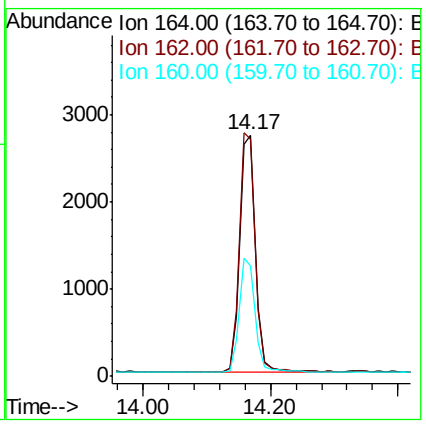


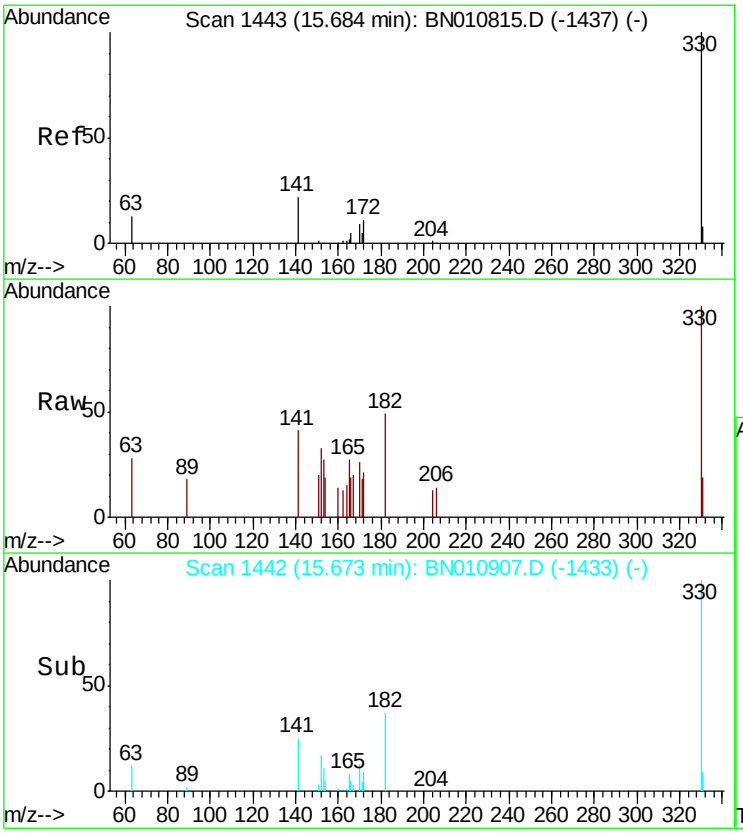
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.17 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:164 Resp: 4667

Ion	Ratio	Lower	Upper
164	100		
162	98.4	81.0	121.6
160	45.6	38.9	58.3

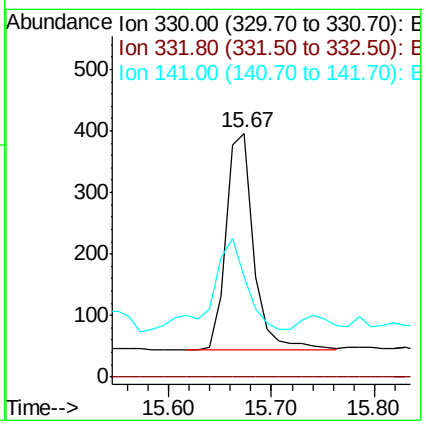


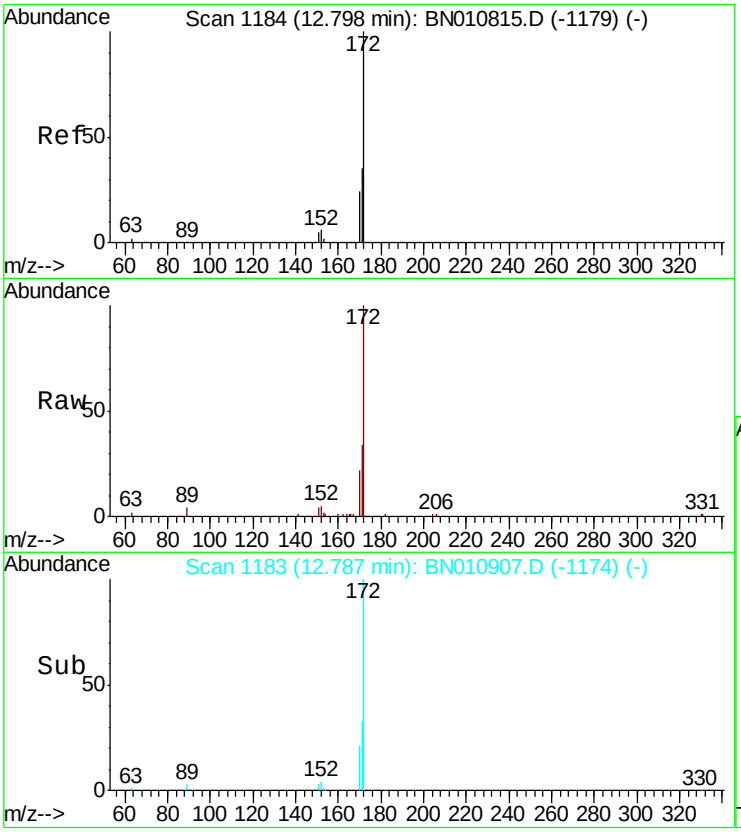


#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 15.67 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:330 Resp: 647

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.4	33.2	49.8#



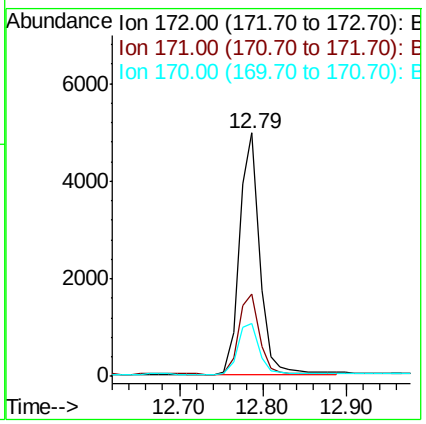


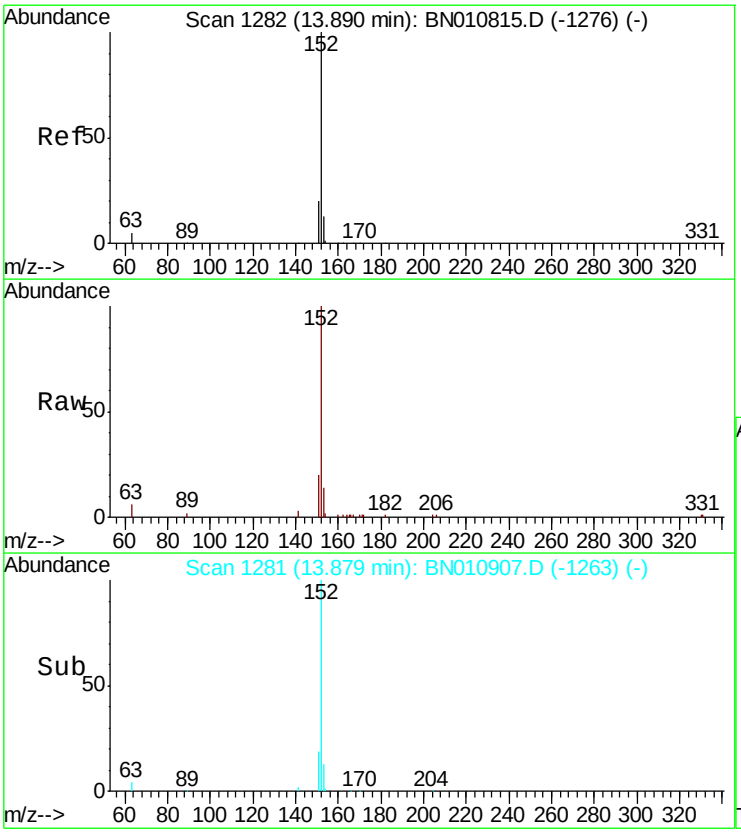
#15
2-Fluorobiphenyl
Concen: 0.445 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:172 Resp: 8203

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.5	42.7
170	21.7	19.7	29.5

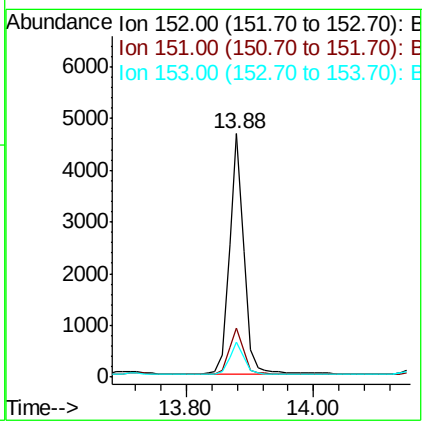


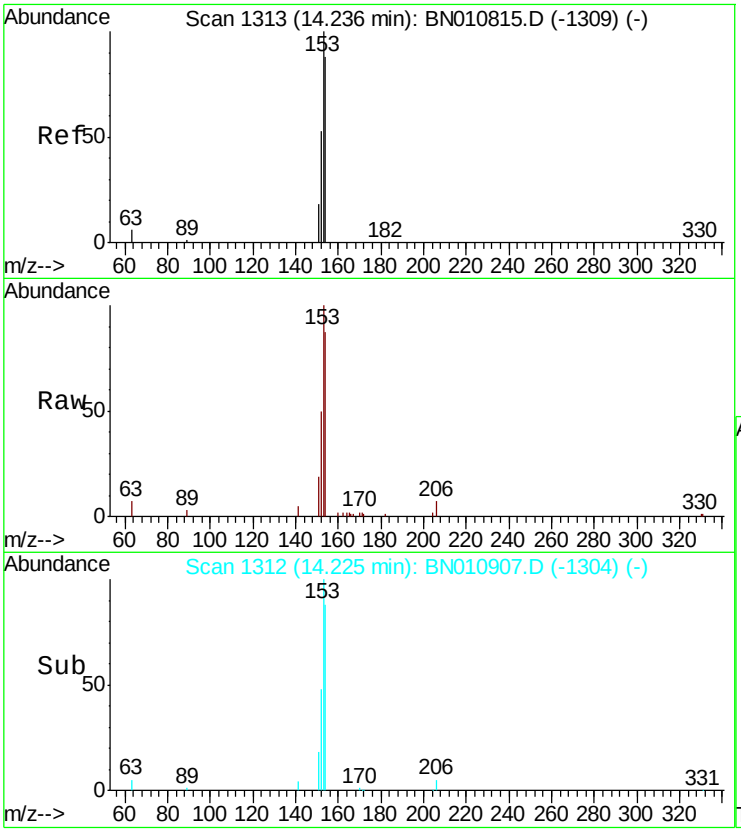


#16
Acenaphthylene
Concen: 0.383 ng
RT: 13.88 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:152 Resp: 7324

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.6	10.6	16.0



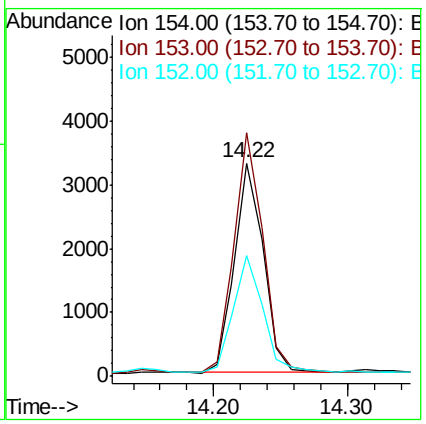


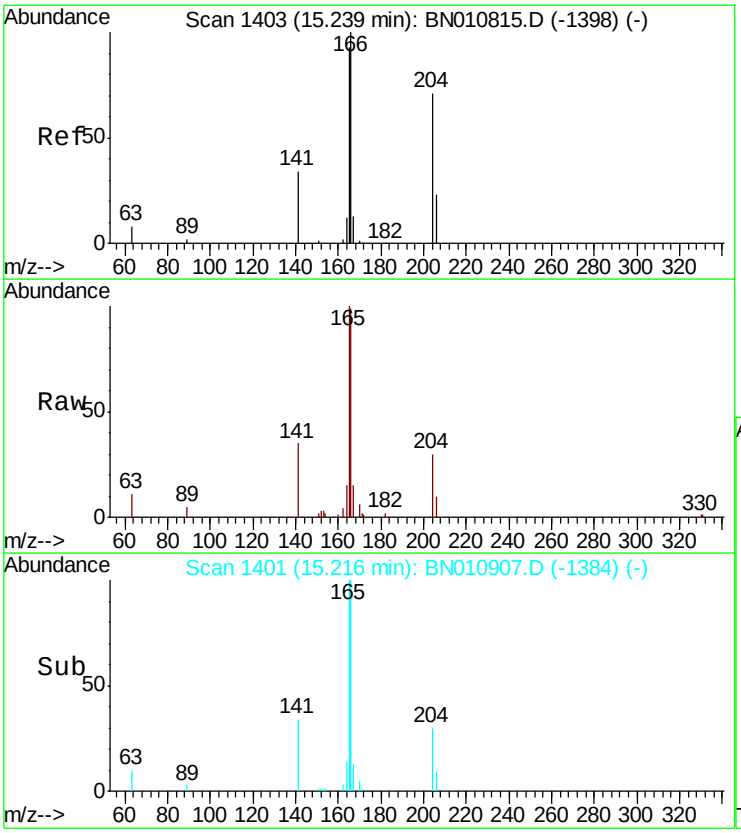
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:154 Resp: 4914

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.8	137.6
152	57.5	47.6	71.4

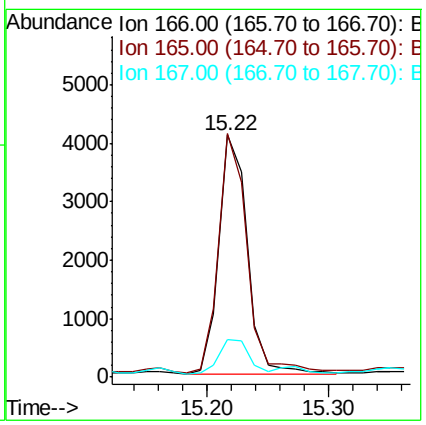


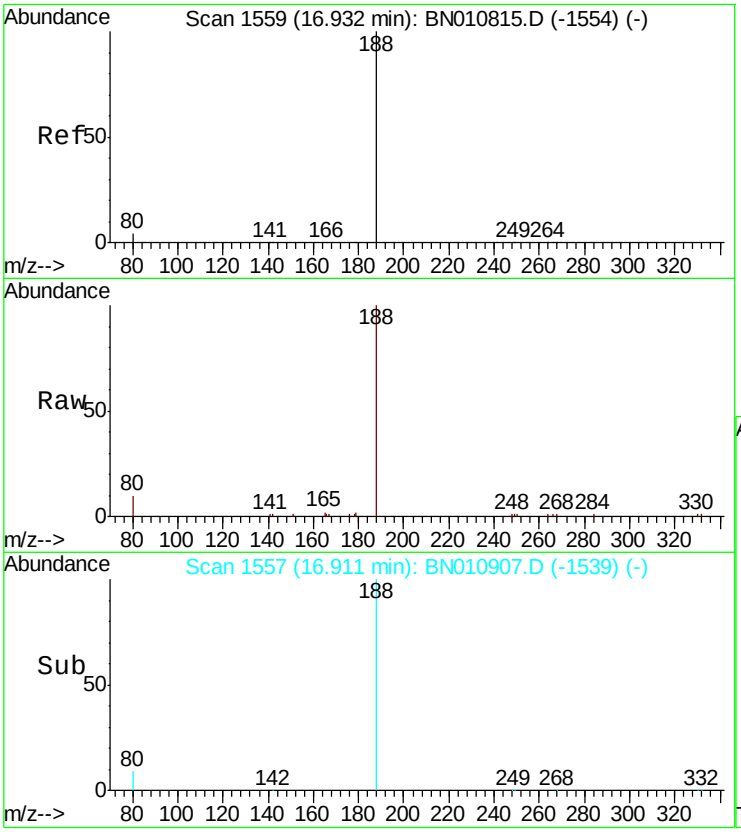


#18
Fluorene
Concen: 0.391 ng
RT: 15.22 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:166 Resp: 6582

Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.2	115.8
167	14.8	10.7	16.1



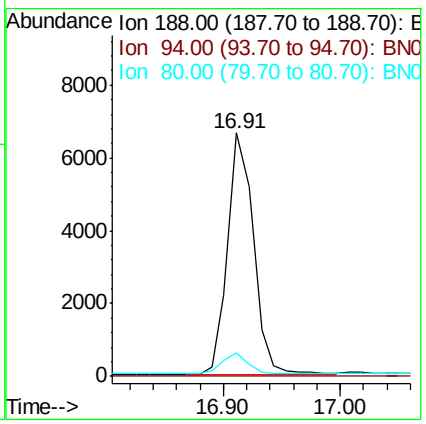


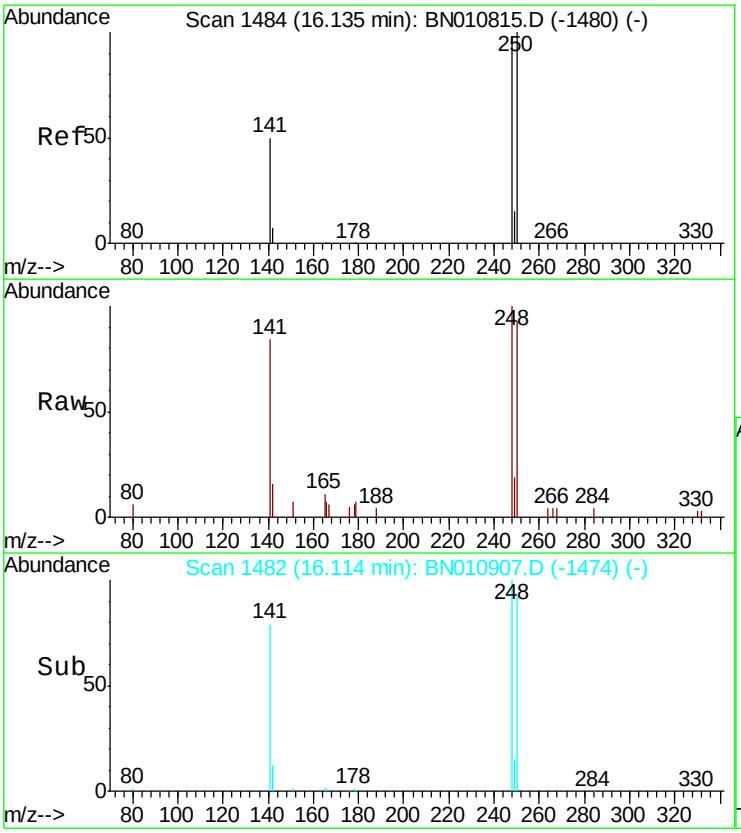
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:188 Resp: 10210

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	4.5	6.7#

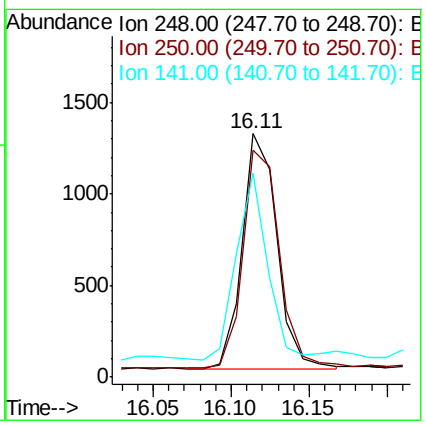


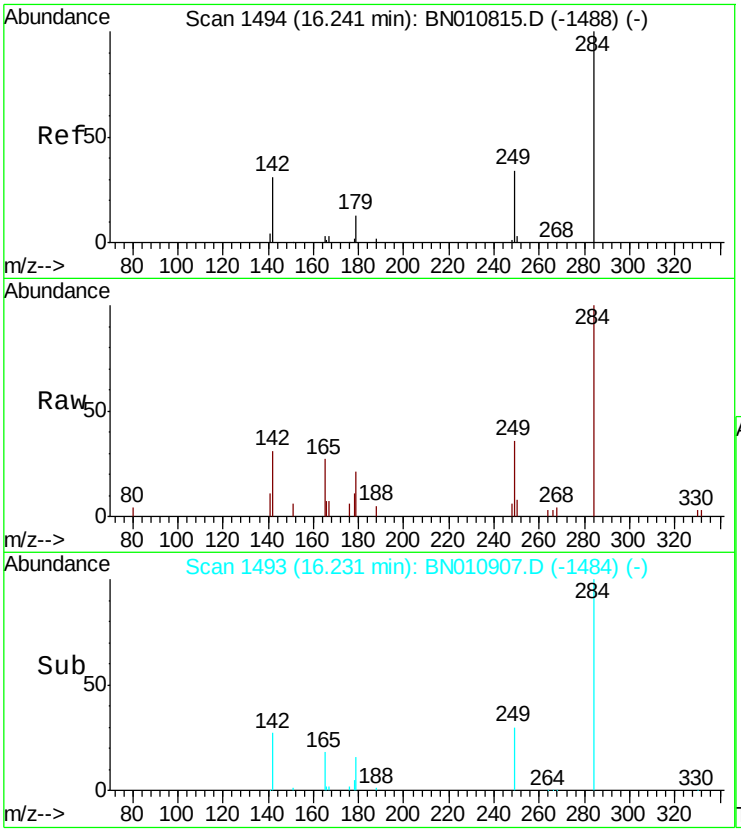


#20
4-Bromophenyl-phenylether
Concen: 0.323 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:248 Resp: 1980

Ion	Ratio	Lower	Upper
248	100		
250	93.0	81.8	122.8
141	83.5	42.6	64.0#



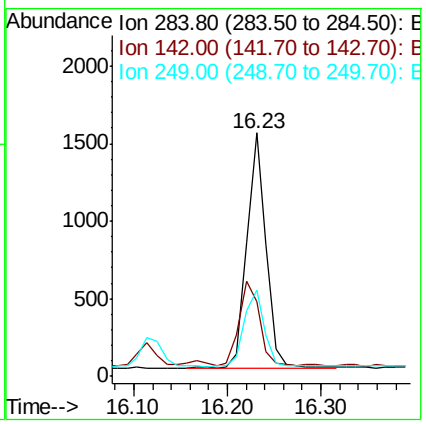


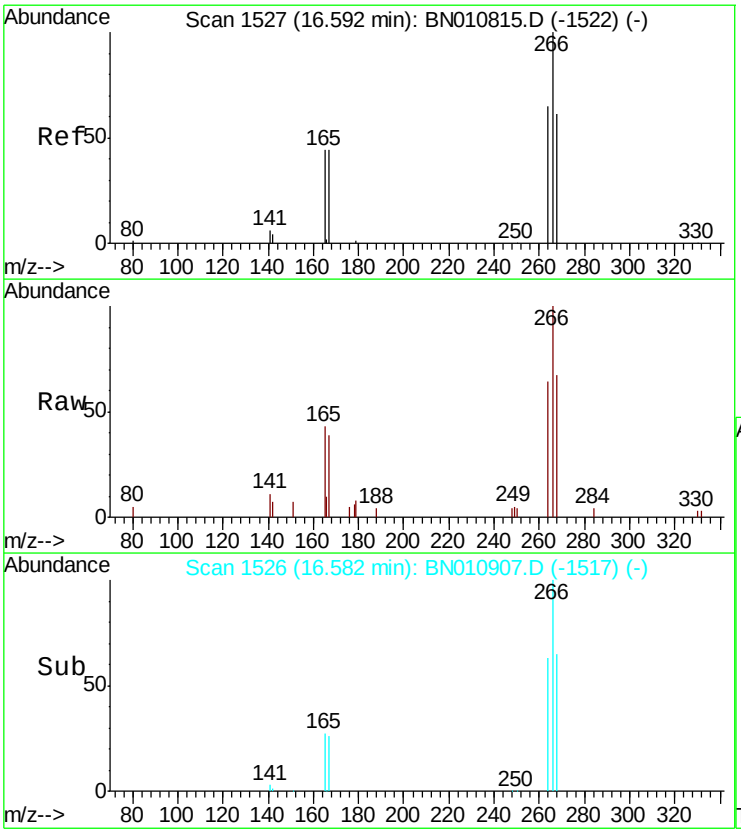
#21
Hexachlorobenzene
Concen: 0.337 ng
RT: 16.23 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:284 Resp: 2157

Ion	Ratio	Lower	Upper
284	100		
142	38.9	31.0	46.4
249	34.6	27.1	40.7

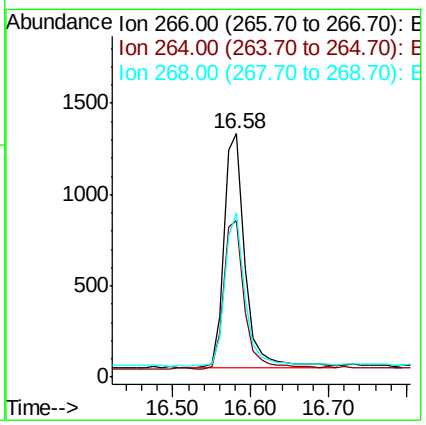


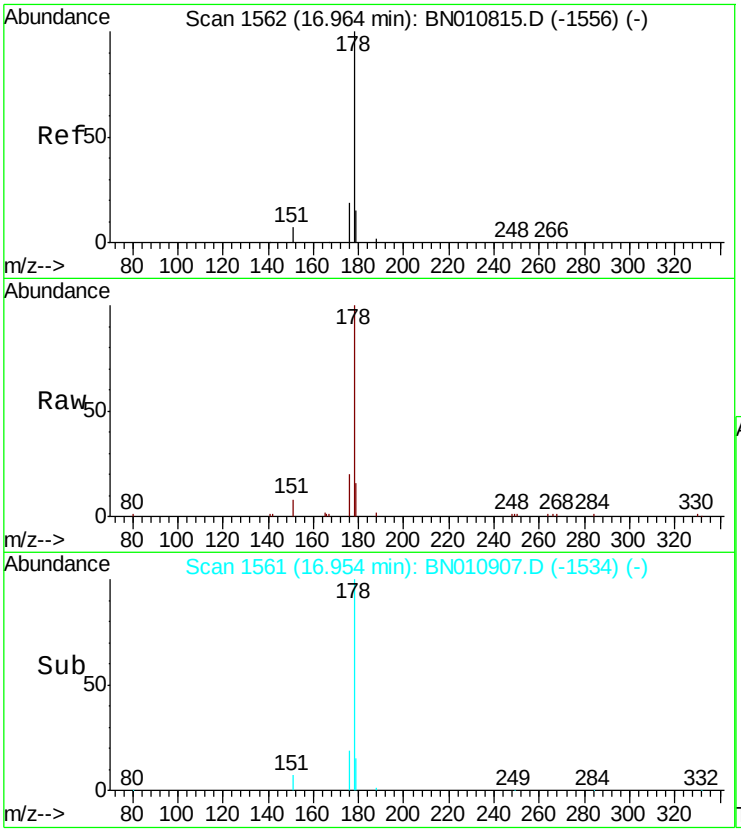


#22
Pentachlorophenol
Concen: 1.110 ng
RT: 16.58 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:266 Resp: 2385

Ion	Ratio	Lower	Upper
266	100		
264	64.2	54.8	82.2
268	67.4	55.9	83.9



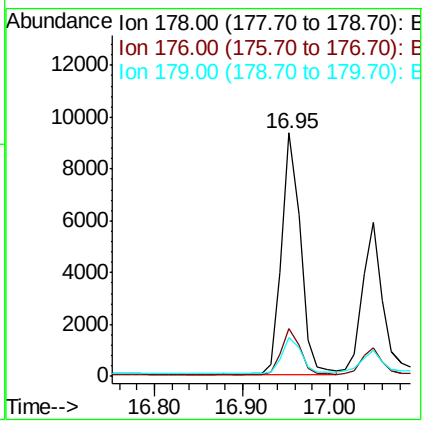


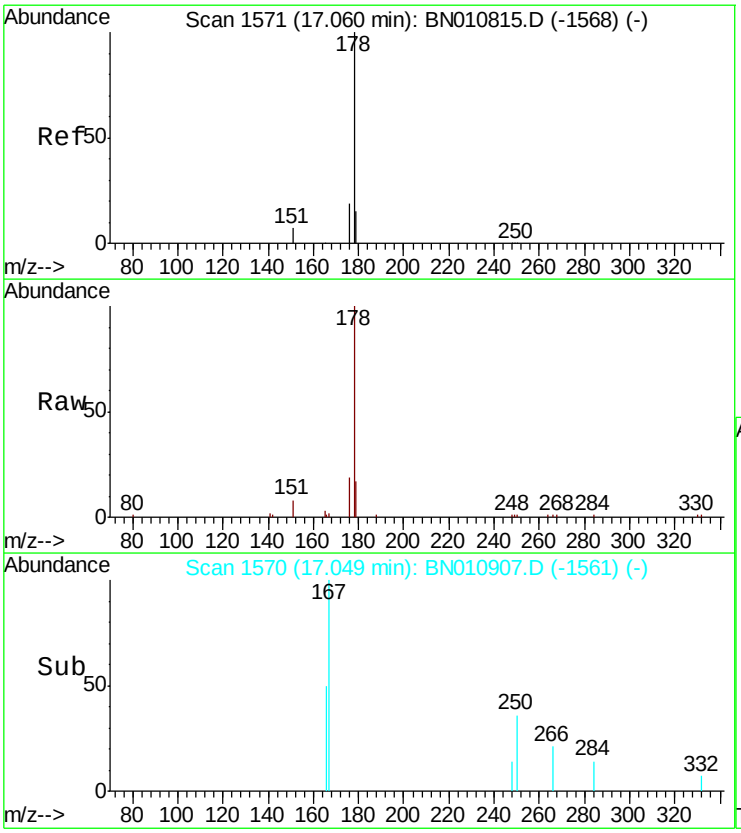
#23
Phenanthrene
Concen: 0.497 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:178 Resp: 13872

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.2	12.6	19.0

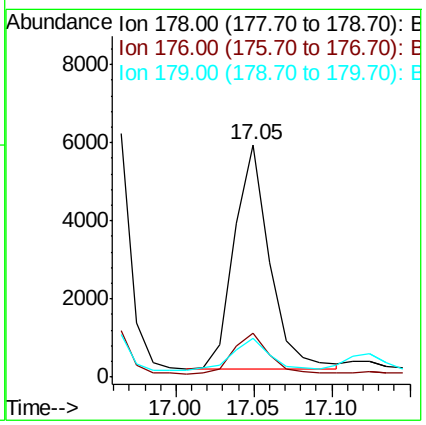


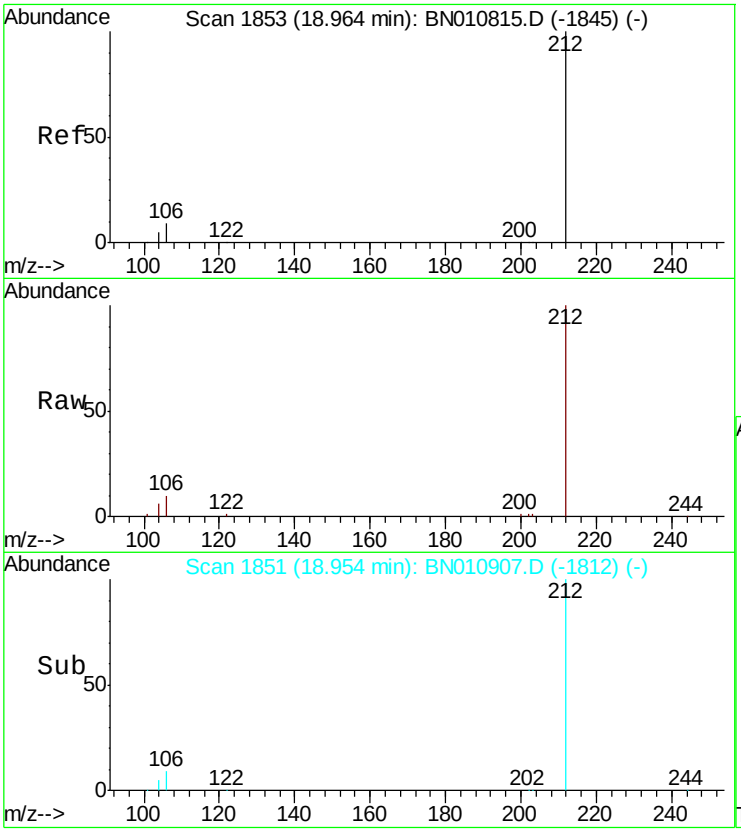


#24
Anthracene
Concen: 0.388 ng
RT: 17.05 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:178 Resp: 9033

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	15.4	12.3	18.5



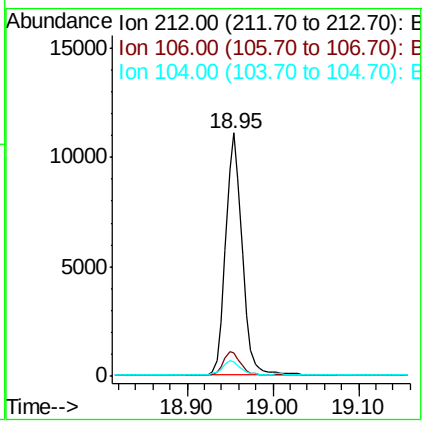


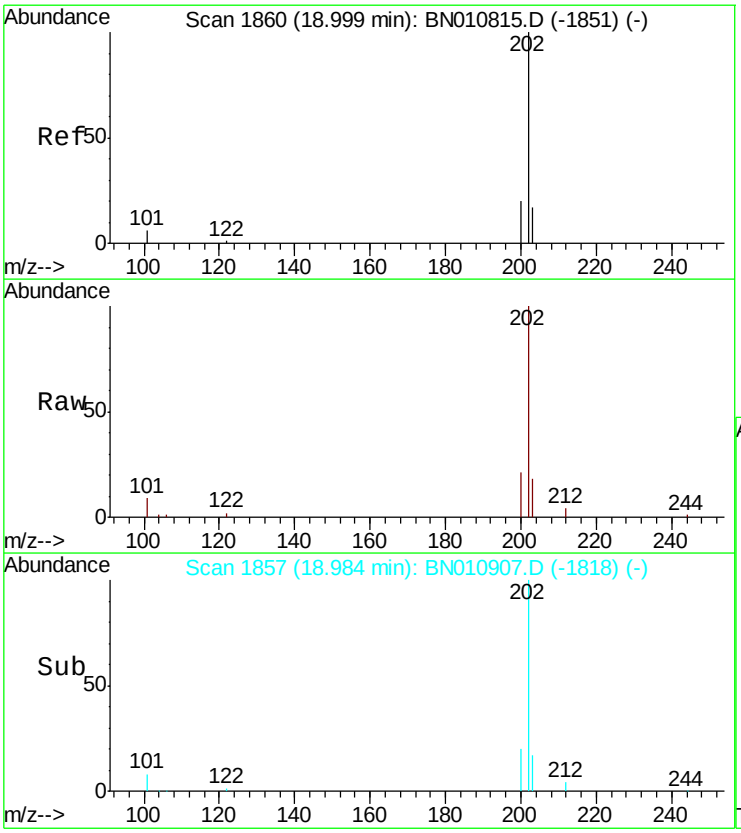
#25
Fluoranthene-d10
Concen: 0.527 ng
RT: 18.95 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:212 Resp: 14852

Ion	Ratio	Lower	Upper
212	100		
106	9.8	6.6	10.0
104	5.7	4.0	6.0

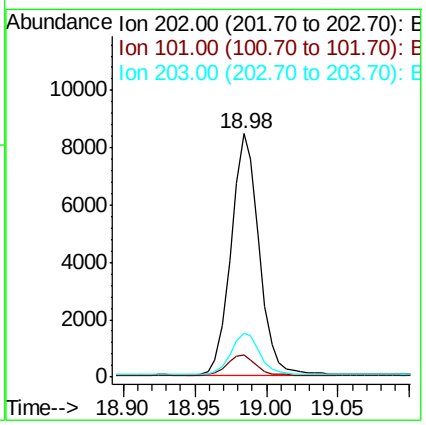


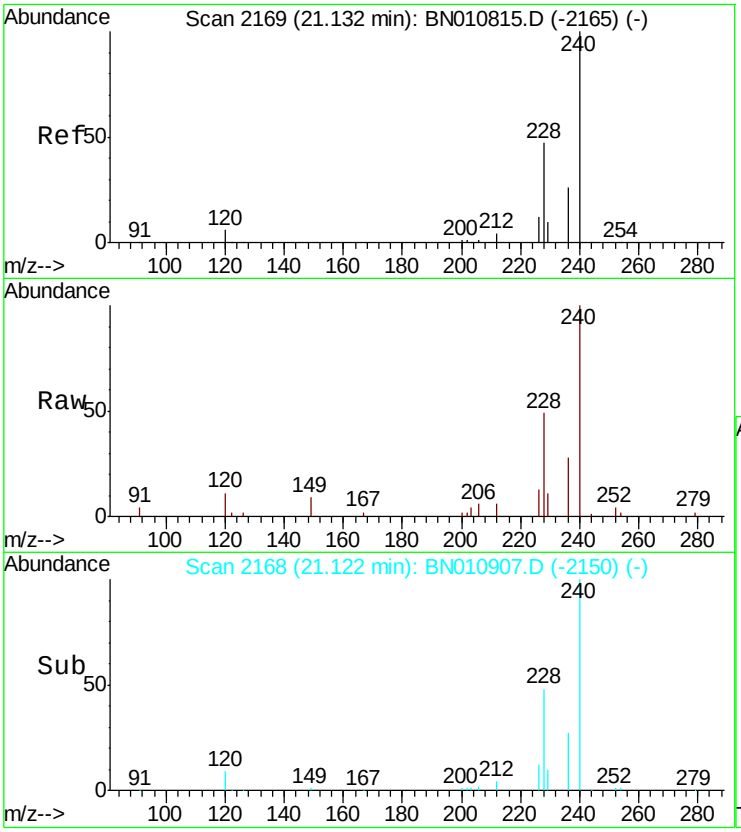


#26
Fluoranthene
Concen: 0.362 ng
RT: 18.98 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:202 Resp: 11473

Ion	Ratio	Lower	Upper
202	100		
101	8.7	5.8	8.6#
203	17.2	13.7	20.5



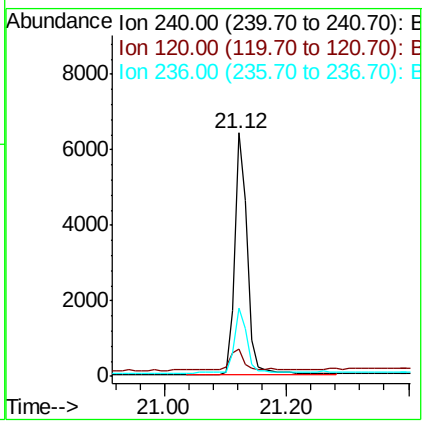


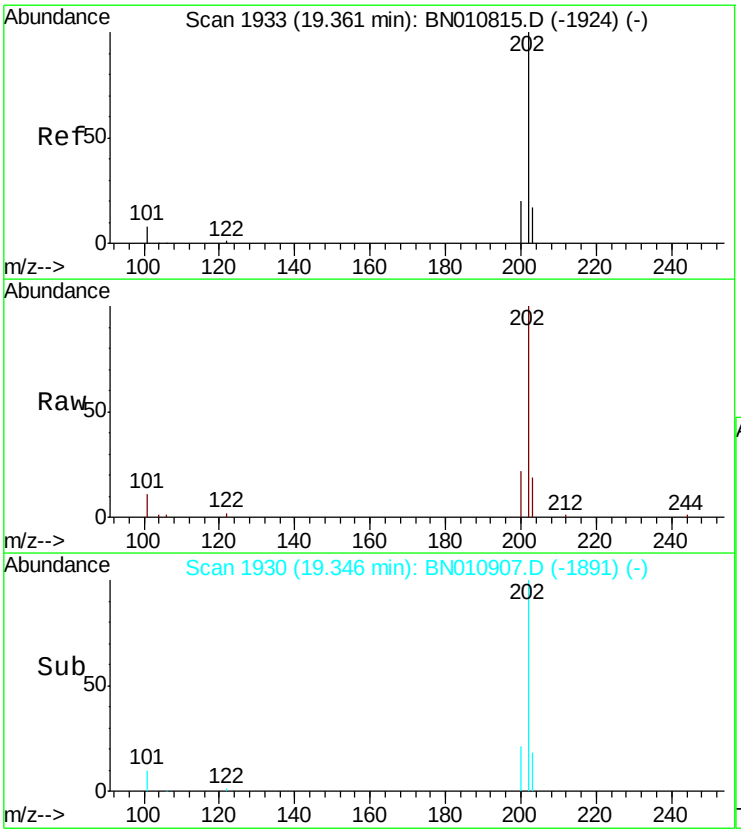
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:240 Resp: 9221

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	28.2	22.3	33.5

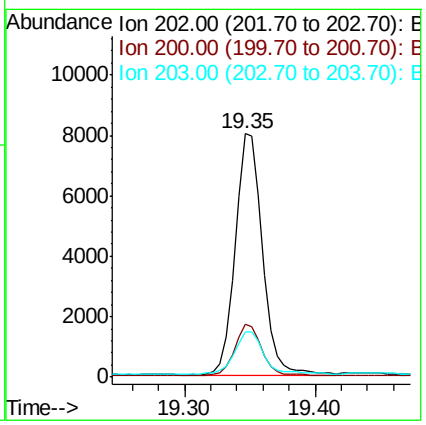


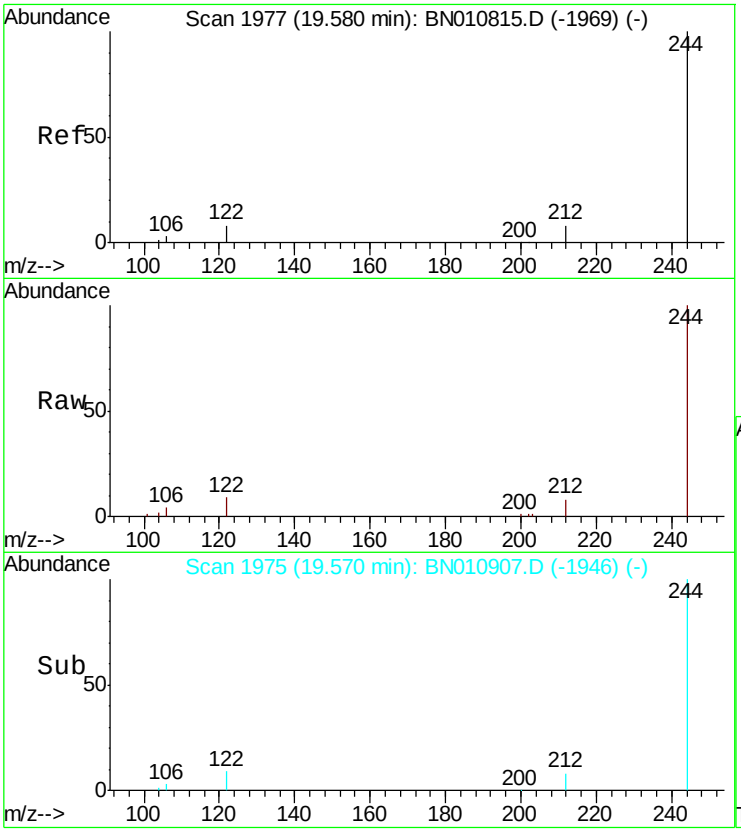


#28
Pyrene
Concen: 0.383 ng
RT: 19.35 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:202 Resp: 11671

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	18.9	14.2	21.4



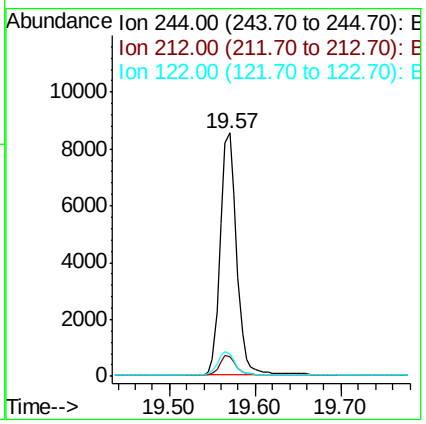


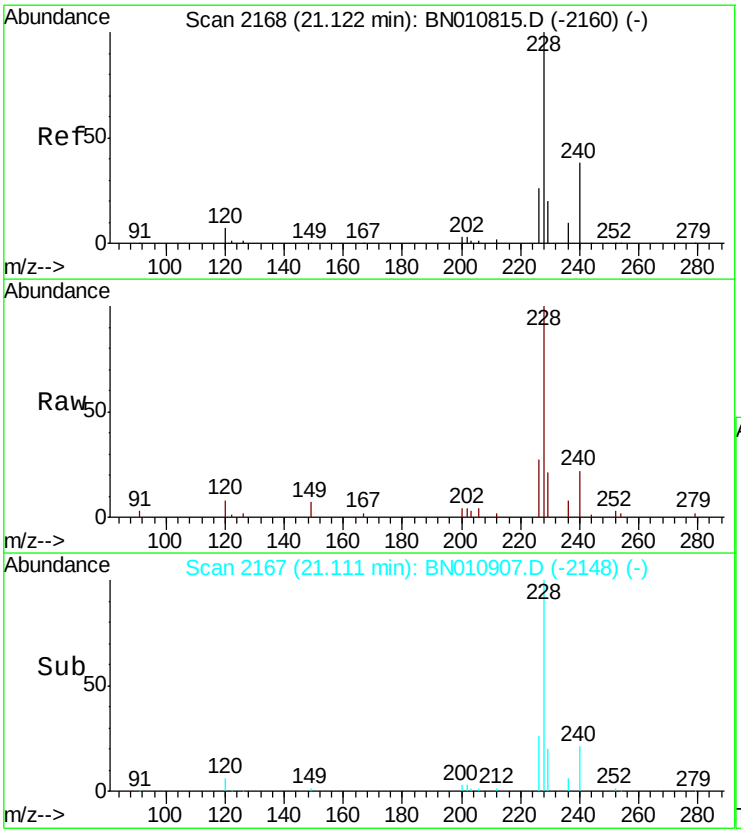
#29
Terphenyl-d14
Concen: 0.527 ng
RT: 19.57 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:244 Resp: 11373

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.4	11.2
122	9.3	7.5	11.3

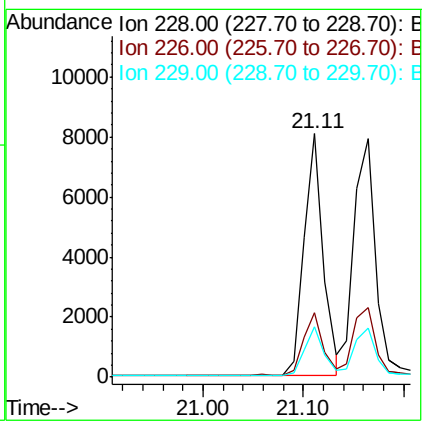


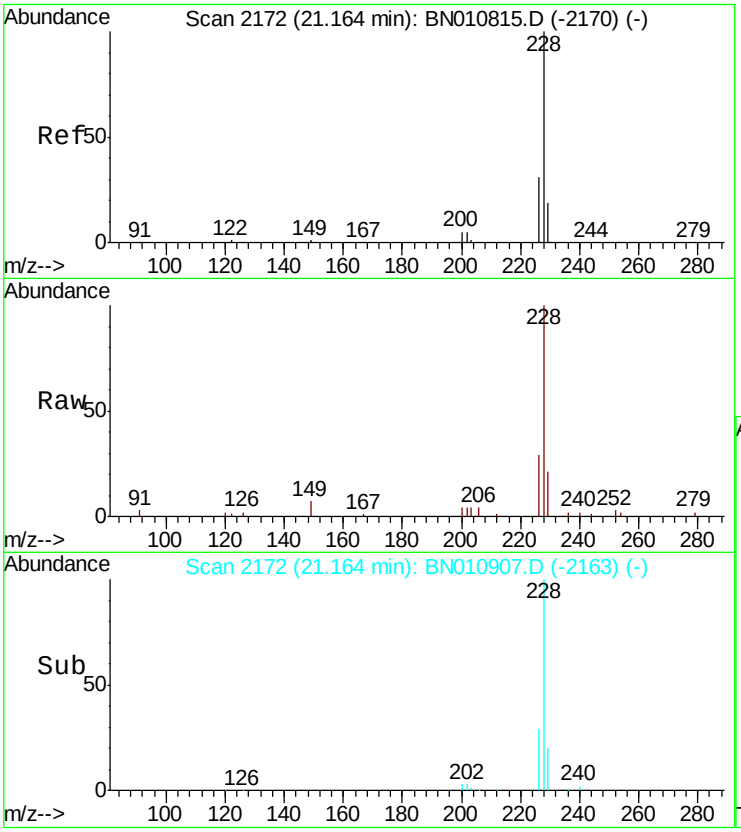


#30
Benzo(a)anthracene
Concen: 0.399 ng
RT: 21.11 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:228 Resp: 10805

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.3	31.9
229	20.5	16.6	24.8



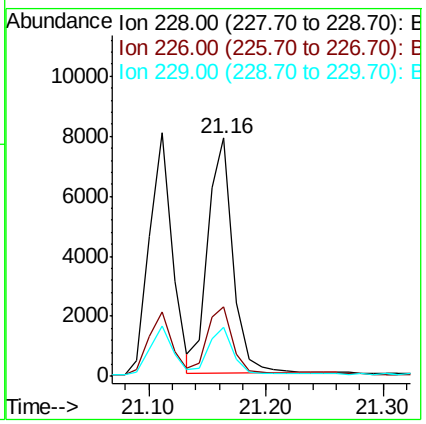


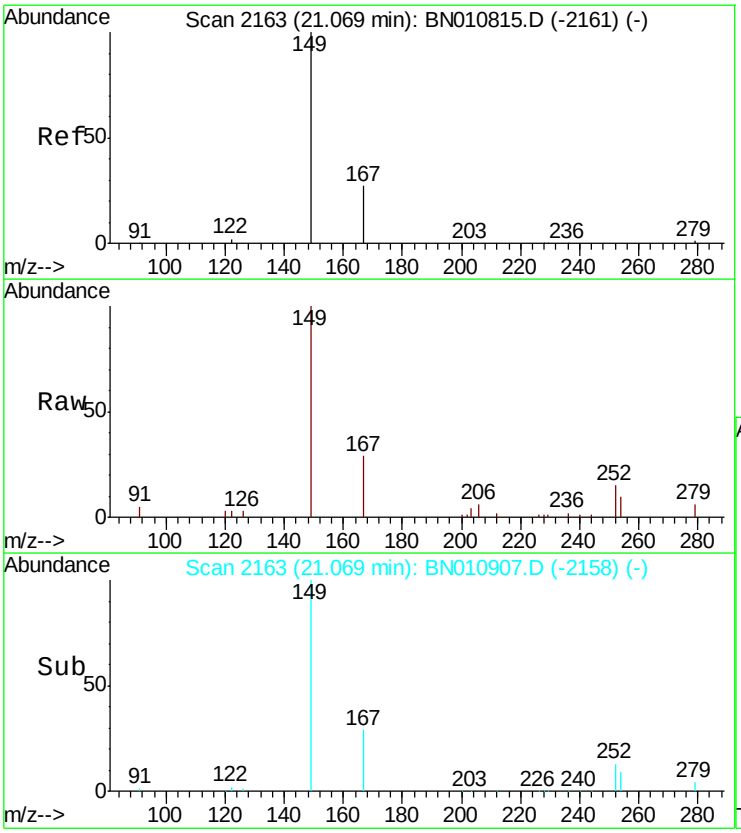
#31
Chrysene
Concen: 0.372 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:228 Resp: 11737

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	20.8	16.1	24.1

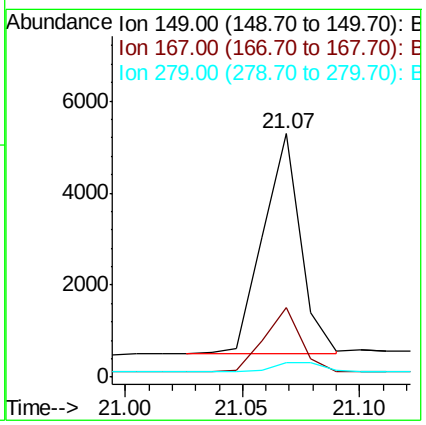


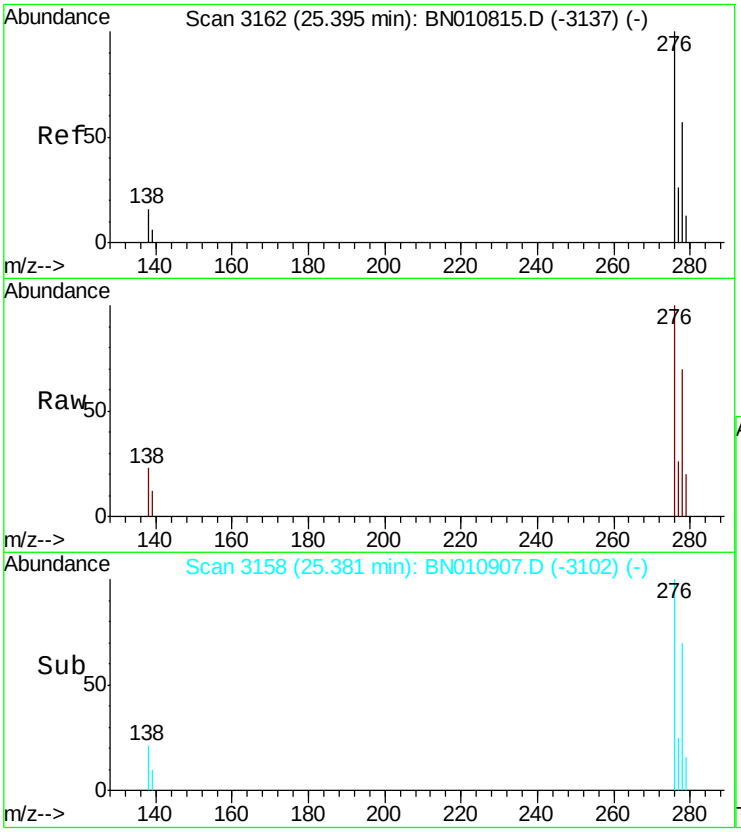


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.587 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:149 Resp: 5306

Ion	Ratio	Lower	Upper
149	100		
167	28.8	24.1	36.1
279	5.0	4.6	7.0



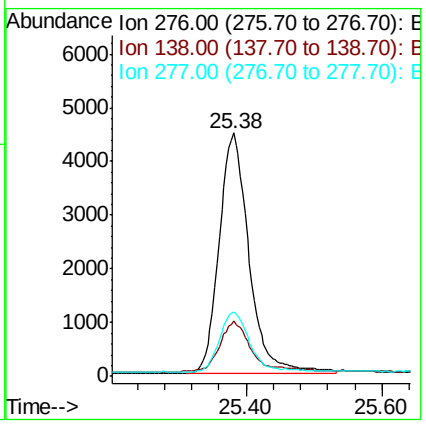


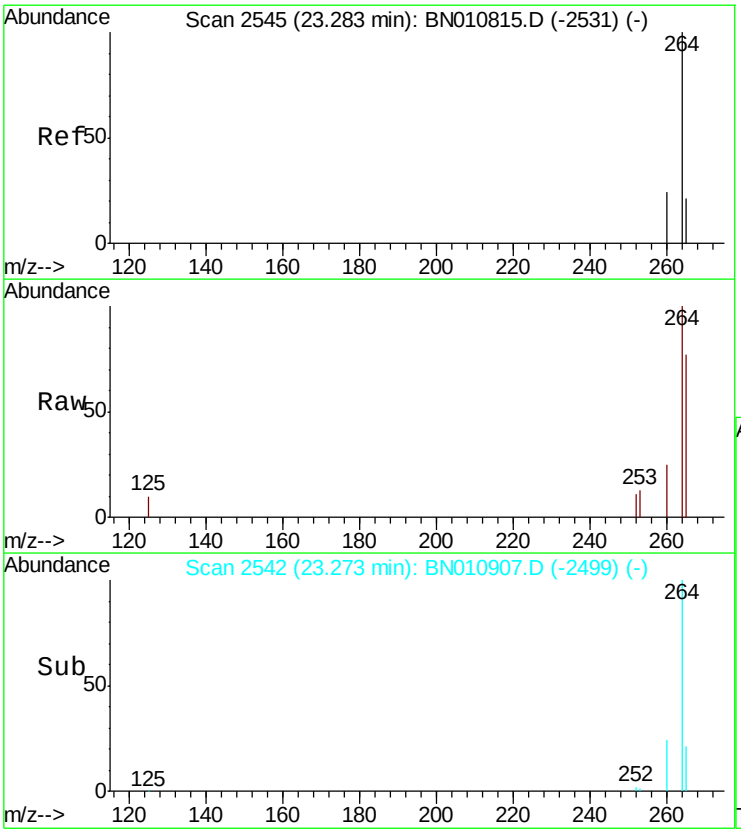
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 25.38 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:276 Resp: 13650

Ion	Ratio	Lower	Upper
276	100		
138	20.7	13.0	19.6#
277	25.0	19.7	29.5

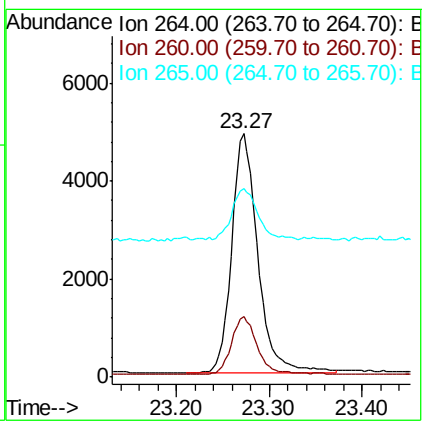


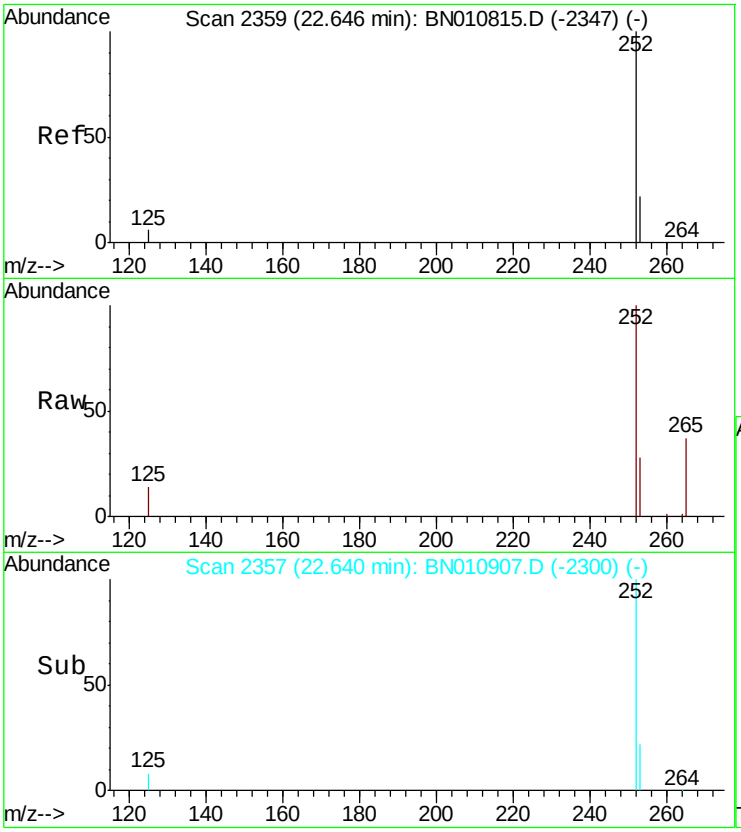


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.27 min Scan# 2542
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:264 Resp: 9573

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	77.3	75.0	112.4



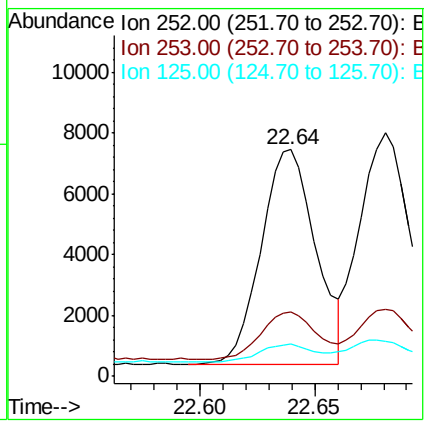


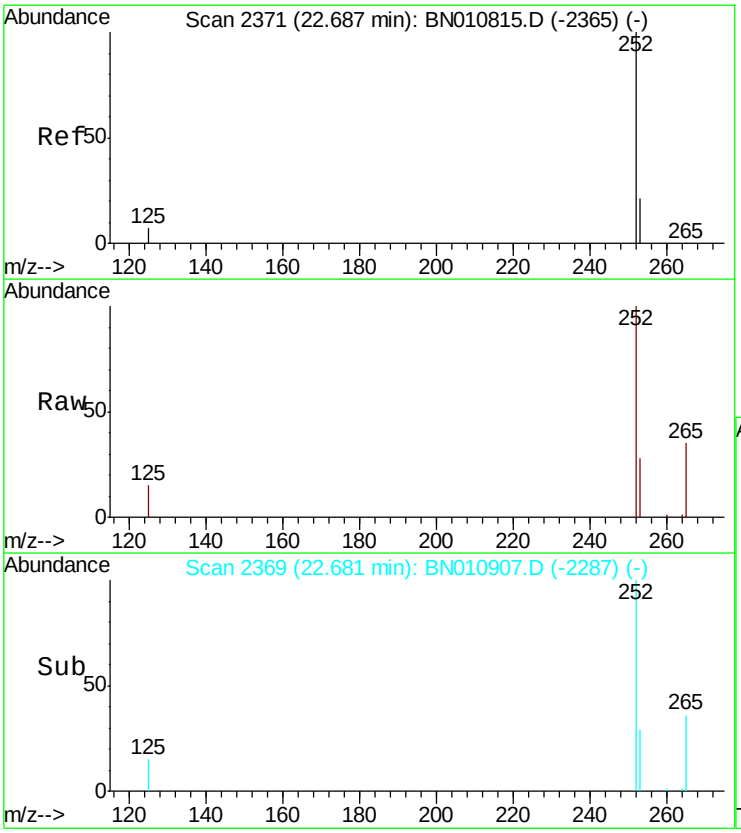
#35
Benzo(b)fluoranthene
Concen: 0.361 ng
RT: 22.64 min Scan# 2357
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:252 Resp: 11737

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.4	33.6
125	14.4	9.4	14.0#

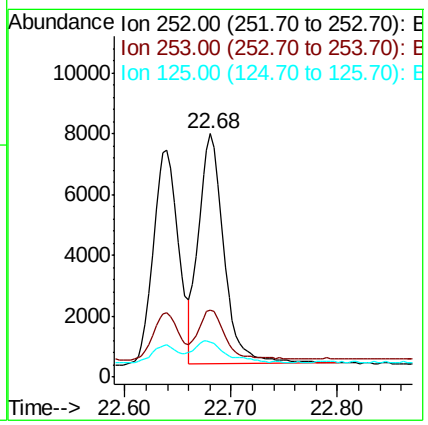


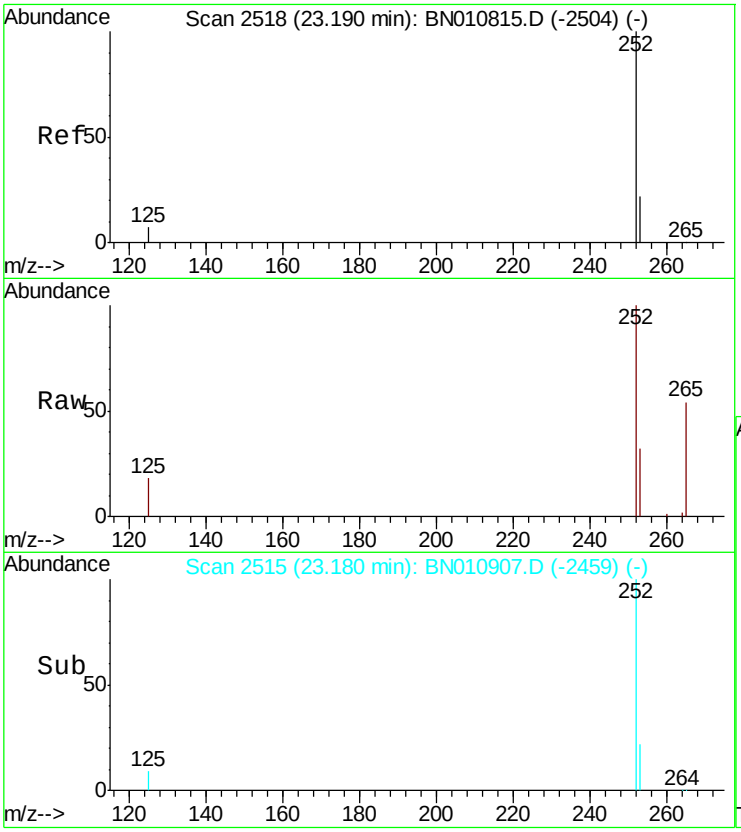


#36
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.00 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:252 Resp: 12568

Ion	Ratio	Lower	Upper
252	100		
253	27.5	22.2	33.4
125	14.6	9.8	14.8



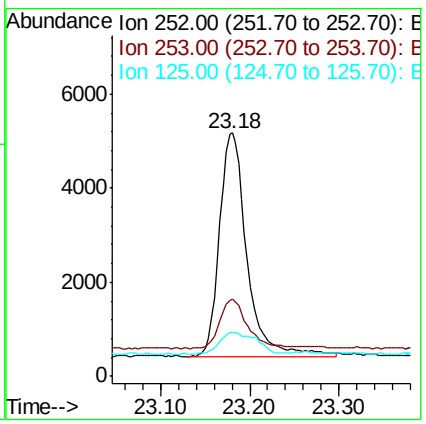


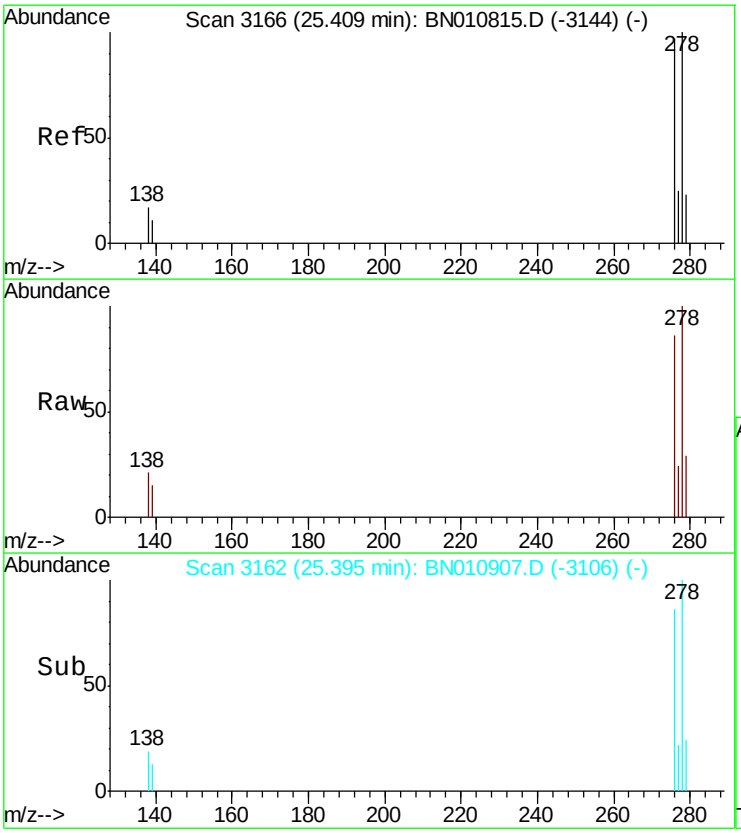
#37
Benzo(a)pyrene
Concen: 0.366 ng
RT: 23.18 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:252 Resp: 10216

Ion	Ratio	Lower	Upper
252	100		
253	31.5	25.8	38.8
125	18.1	12.4	18.6

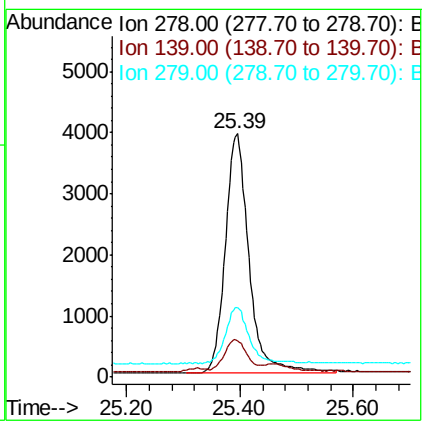


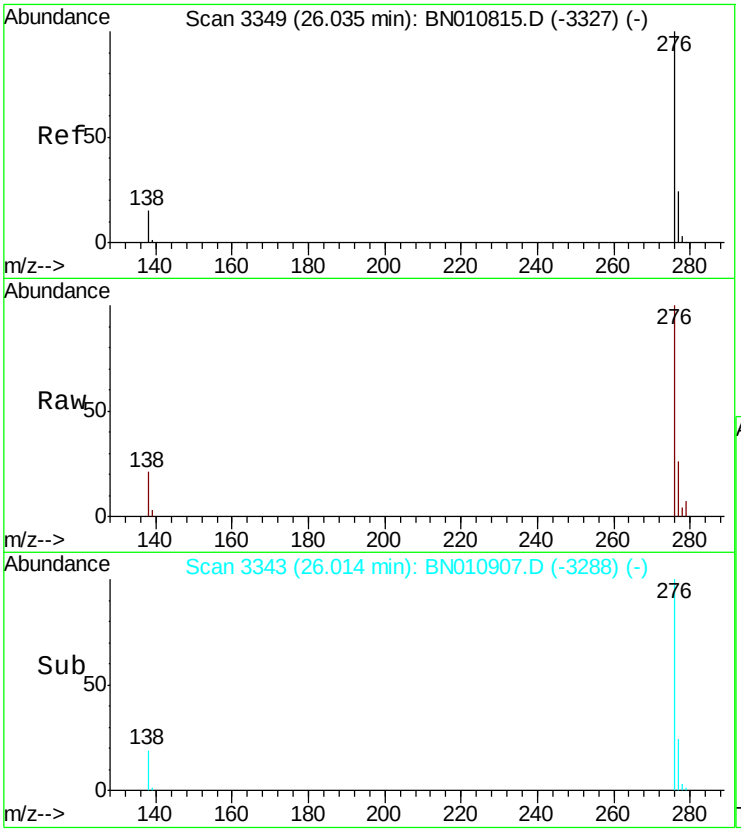


#38
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 25.39 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Tgt Ion:278 Resp: 11452

Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.6	15.8
279	28.7	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.363 ng
RT: 26.01 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BN010907.D
Acq: 16 Jun 2020 15:19

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611MSD

Tgt Ion:276 Resp: 12079

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