Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062220\
Data File : BN011005.D
Acq On : 22 Jun 2020 12:40
Operator : CG/JU
Sample : PB129663BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB129663BS

Quant Time: Jun 22 13:10:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 22 12:02:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	2142	0.40	ng		0.00
7) Naphthalene-d8	10.28	136	6208	0.40	ng		0.00
13) Acenaphthene-d10	14.15	164	3244	0.40	ng		0.00
19) Phenanthrene-d10	16.90	188	6593	0.40	ng		-0.01
27) Chrysene-d12	21.11	240	5945	0.40	ng		-0.01
34) Perylene-d12	23.26	264	6471	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	1747	0.42	ng		0.00
5) Phenol-d6	6.73	99	1760	0.36	ng		0.00
8) Nitrobenzene-d5	8.67	82	1937	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	11.88	152	3897	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.66	330	447	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.78	172	5386	0.42	ng		0.00
25) Fluoranthene-d10	18.94	212	7148	0.39	ng		0.00
29) Terphenyl-d14	19.56	244	5670	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	930	0.443	ng		98
3) n-Nitrosodimethylamine	3.55	42	506	0.415	ng	#	87
6) bis(2-Chloroethyl)ether	6.98	93	1683	0.354	ng		97
9) Naphthalene	10.33	128	6507	0.417	ng		100
10) Hexachlorobutadiene	10.62	225	1621	0.420	ng	#	99
12) 2-Methylnaphthalene	11.95	142	4210	0.403	ng		99
16) Acenaphthylene	13.87	152	5488	0.413	ng		99
17) Acenaphthene	14.21	154	3748	0.414	ng		99
18) Fluorene	15.21	166	5042	0.431	ng		97
20) 4-Bromophenyl-phenylether	16.11	248	1540	0.389	ng		98
21) Hexachlorobenzene	16.22	284	1672	0.405	ng		97
22) Pentachlorophenol	16.57	266	506	0.365	ng		98
23) Phenanthrene	16.94	178	7180	0.399	ng		99
24) Anthracene	17.04	178	5841	0.389	ng		99
26) Fluoranthene	18.98	202	8020	0.392	ng		100
28) Pyrene	19.34	202	7962	0.405	ng		100
30) Benzo(a)anthracene	21.10	228	7424	0.425	ng		98
31) Chrysene	21.15	228	8410	0.413	ng		98
32) Bis(2-ethylhexyl)phthalate	21.06	149	2679	0.460	ng		97
33) Indeno(1,2,3-cd)pyrene	25.36	276	11661	0.512	ng		98
35) Benzo(b)fluoranthene	22.63	252	8533	0.388	ng		99
36) Benzo(k)fluoranthene	22.67	252	9077	0.387	ng		98
37) Benzo(a)pyrene	23.17	252	7549	0.400	ng		99
38) Dibenzo(a,h)anthracene	25.38	278	9528	0.443	ng		99
39) Benzo(g,h,i)perylene	26.00	276	10280	0.457	ng		100

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

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Misc :
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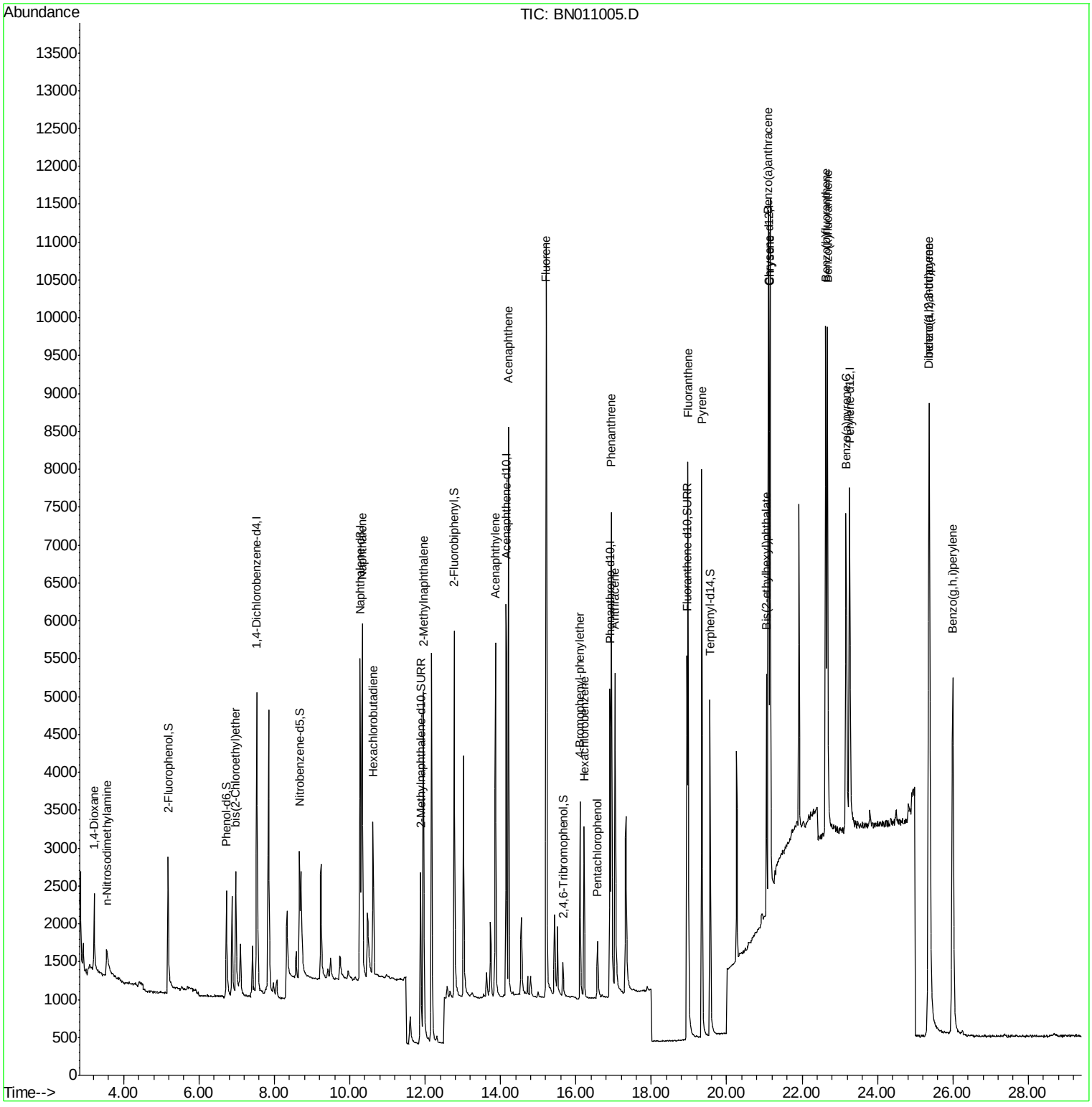
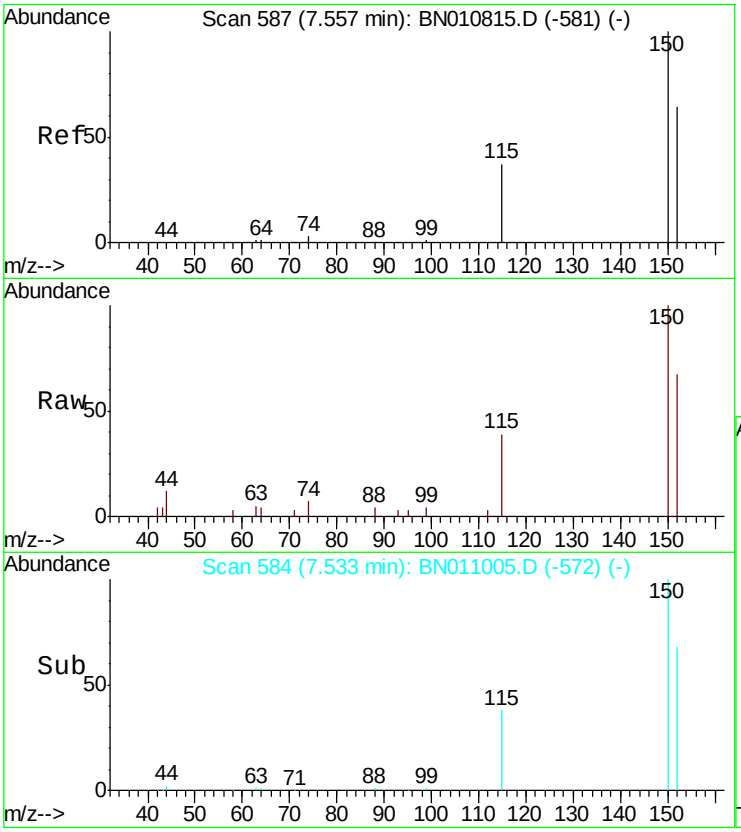
Instrument :
BNA_N
ClientSampleId :
PB129663BS

Quant Time: Jun 22 13:10:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 22 12:02:11 2020
Response via : Initial Calibration



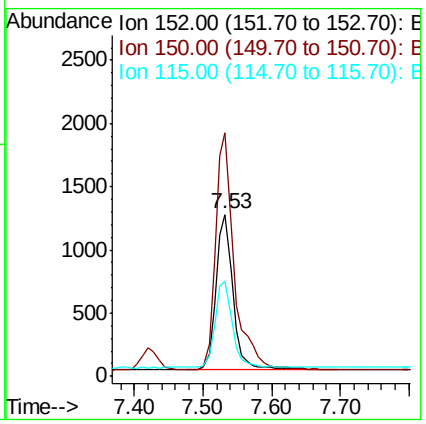


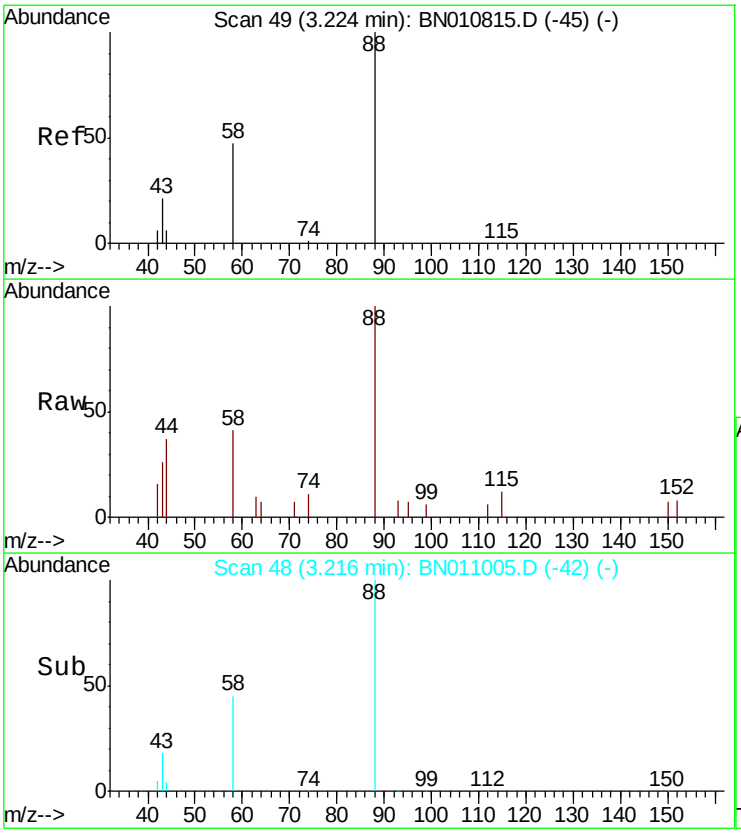
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:152 Resp: 2142

Ion	Ratio	Lower	Upper
152	100		
150	150.2	123.8	185.6
115	59.0	49.2	73.8

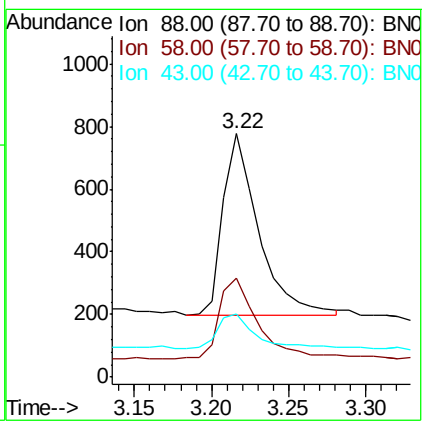


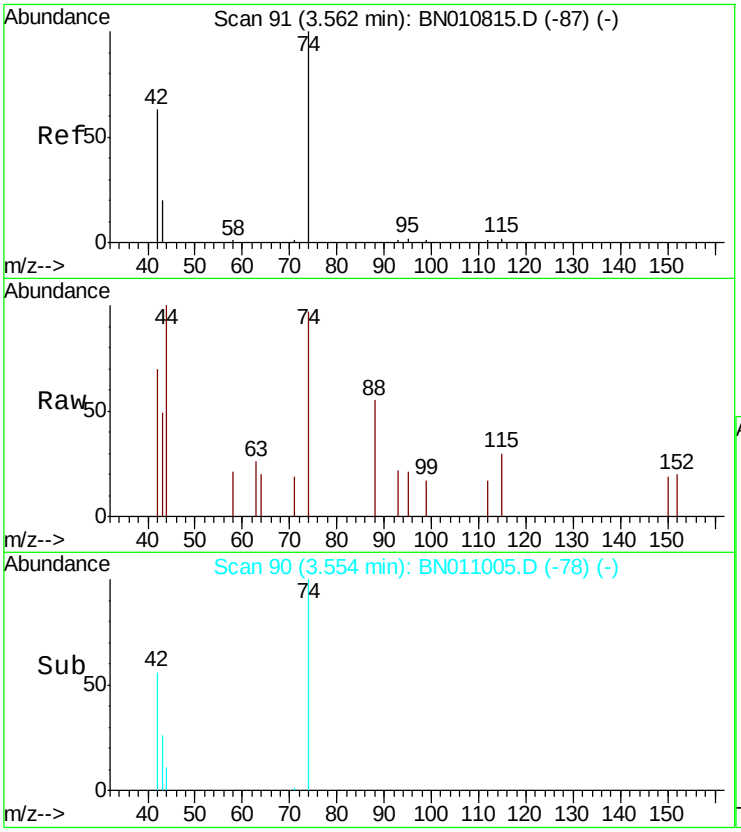


#2
1,4-Dioxane
Concen: 0.443 ng
RT: 3.22 min Scan# 48
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion: 88 Resp: 930

Ion	Ratio	Lower	Upper
88	100		
58	46.5	38.2	57.4
43	20.2	15.1	22.7



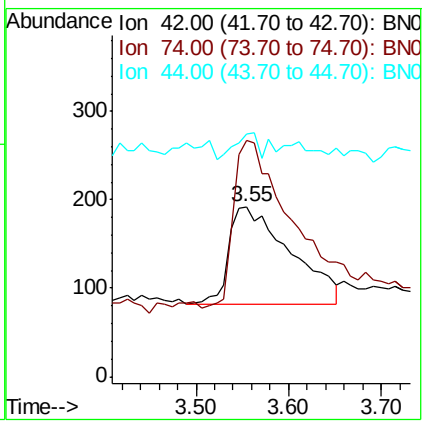


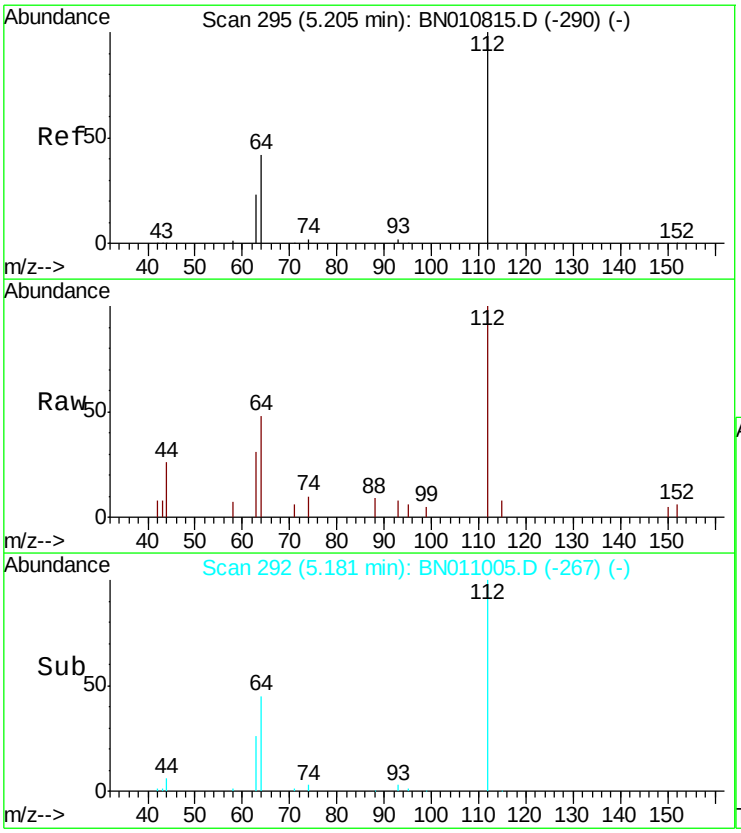
#3
n-Nitrosodimethylamine
Concen: 0.415 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion: 42 Resp: 506

Ion	Ratio	Lower	Upper
42	100		
74	158.5	140.7	211.1
44	9.1	1.4	2.2#

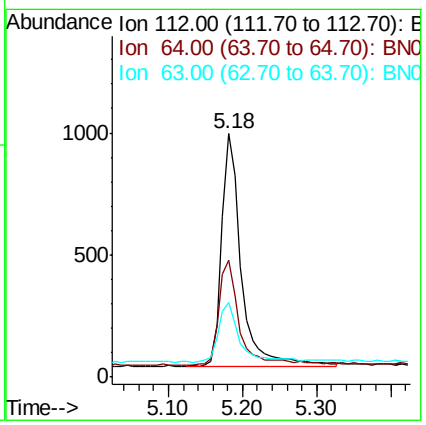


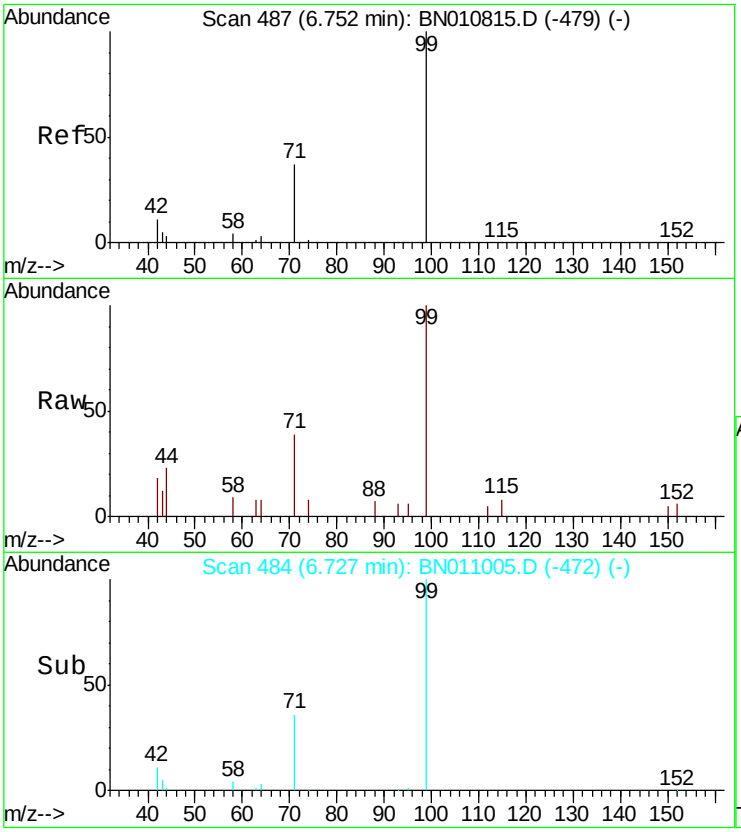


#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.18 min Scan# 292
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:112 Resp: 1747

Ion	Ratio	Lower	Upper
112	100		
64	46.7	37.4	56.0
63	26.3	22.2	33.4



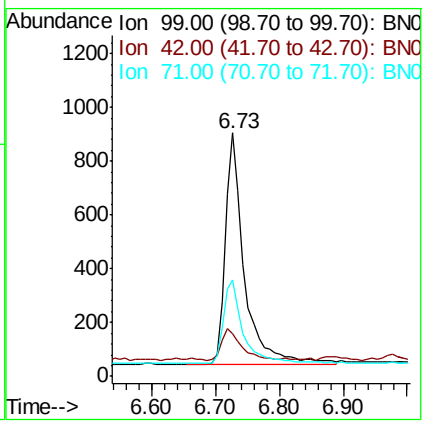


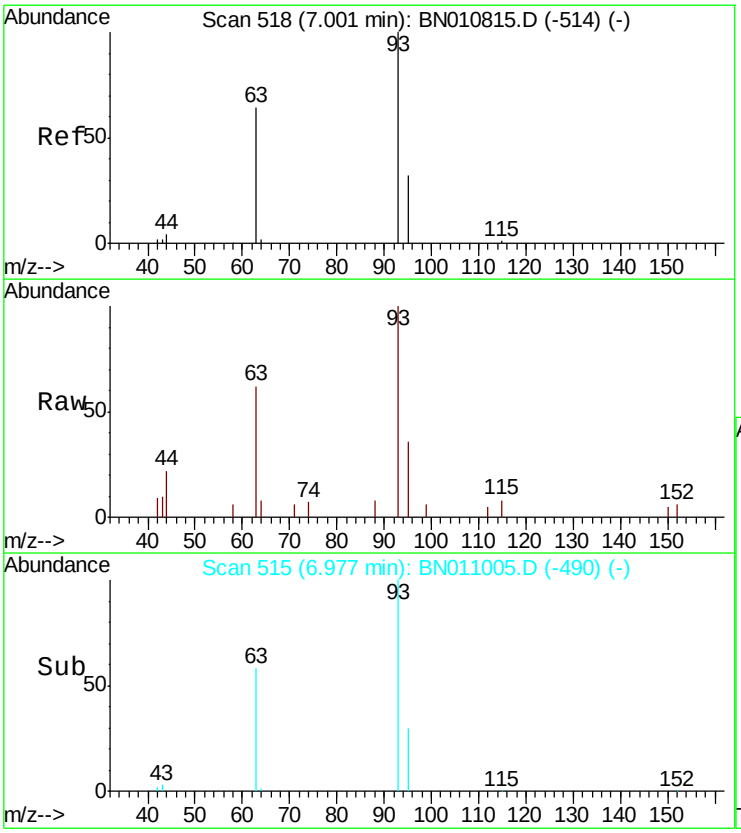
#5
Phenol-d6
Concen: 0.361 ng
RT: 6.73 min Scan# 484
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion: 99 Resp: 1760

Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.1	16.7
71	37.3	31.4	47.2

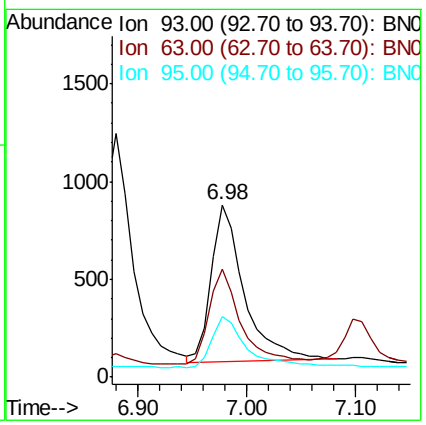


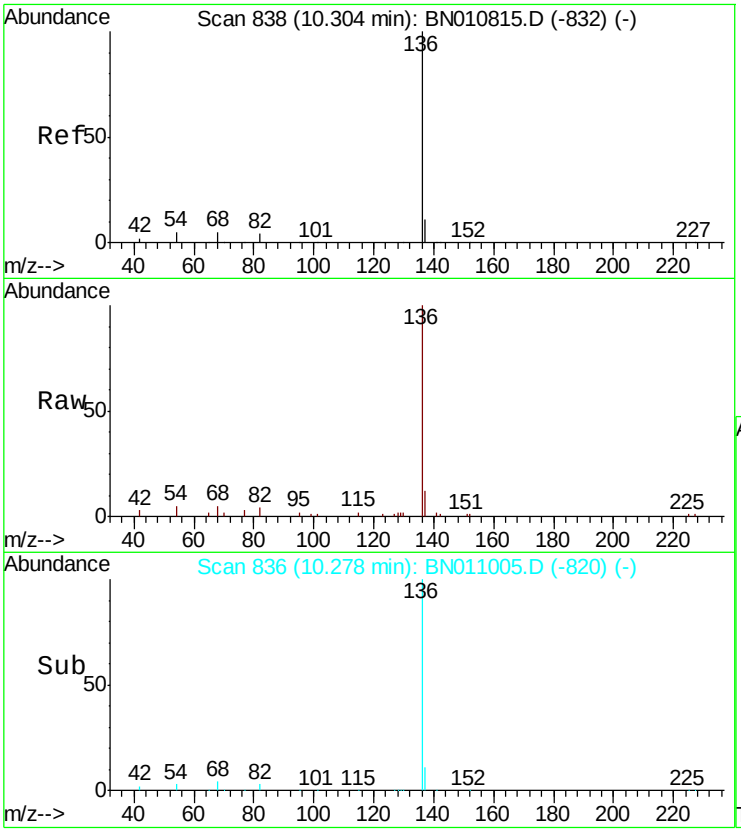


#6
bis(2-Chloroethyl)ether
Concen: 0.354 ng
RT: 6.98 min Scan# 515
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion: 93 Resp: 1683

Ion	Ratio	Lower	Upper
93	100		
63	60.2	49.4	74.2
95	36.8	26.7	40.1



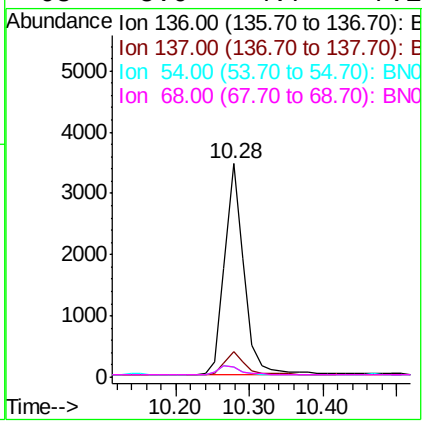


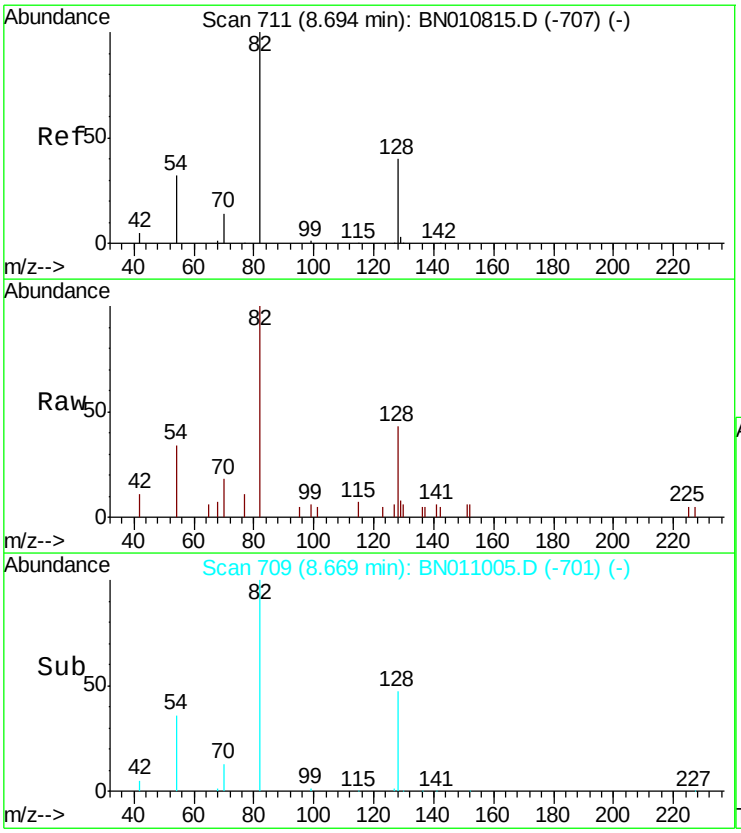
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.28 min Scan# 836
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:136 Resp: 6208

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	4.7	4.9	7.3#
68	5.0	4.7	7.1

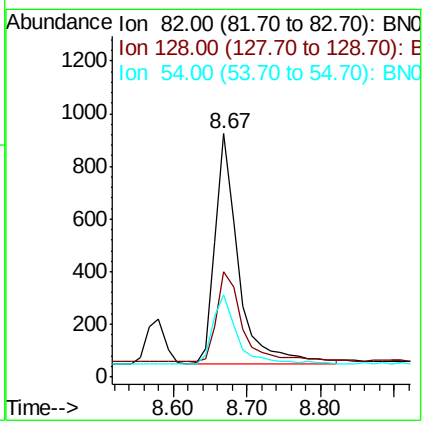


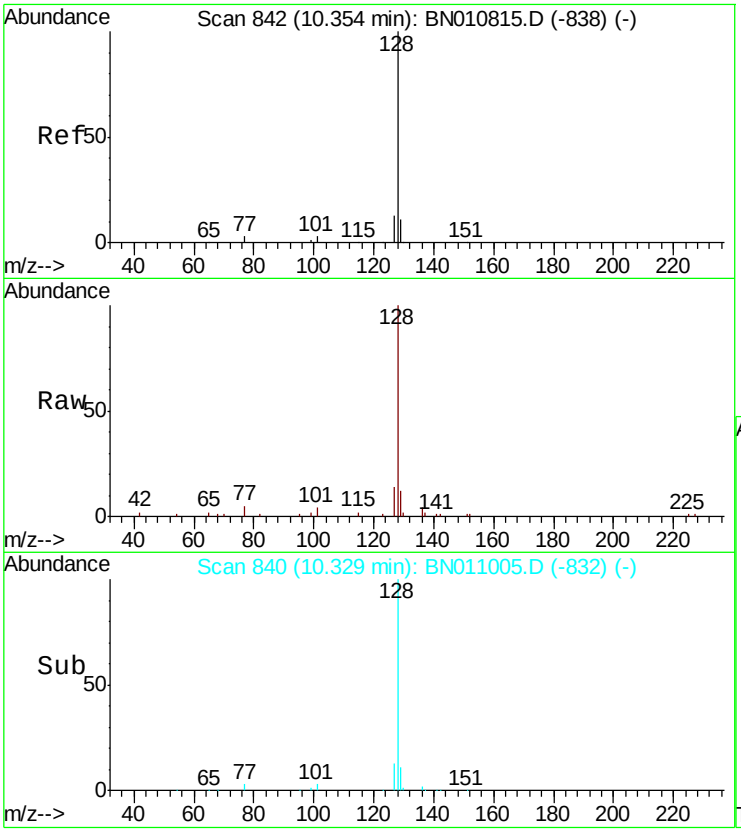


#8
Nitrobenzene-d5
Concen: 0.422 ng
RT: 8.67 min Scan# 709
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion: 82 Resp: 1937

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.4	53.0
54	34.0	28.2	42.4



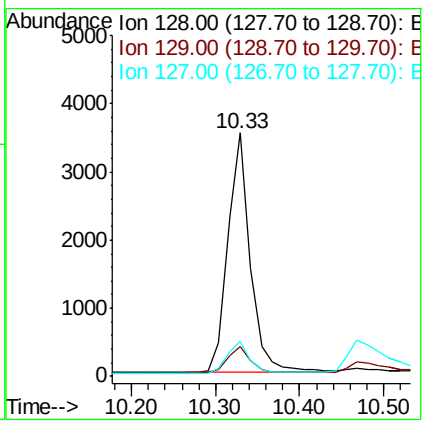


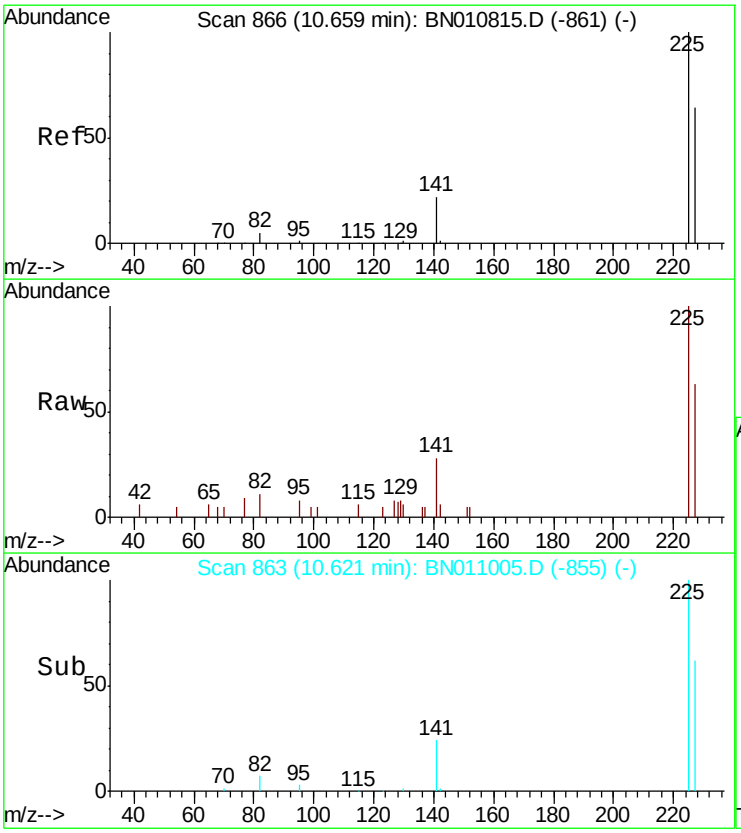
#9
Naphthalene
Concen: 0.417 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:128 Resp: 6507

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

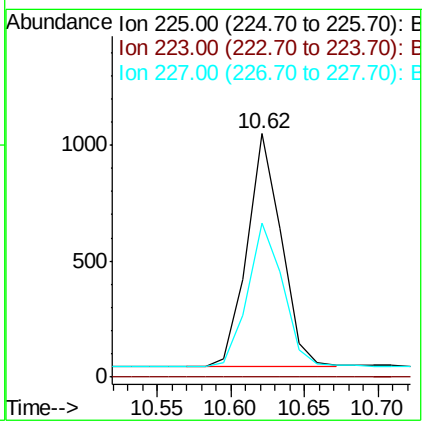


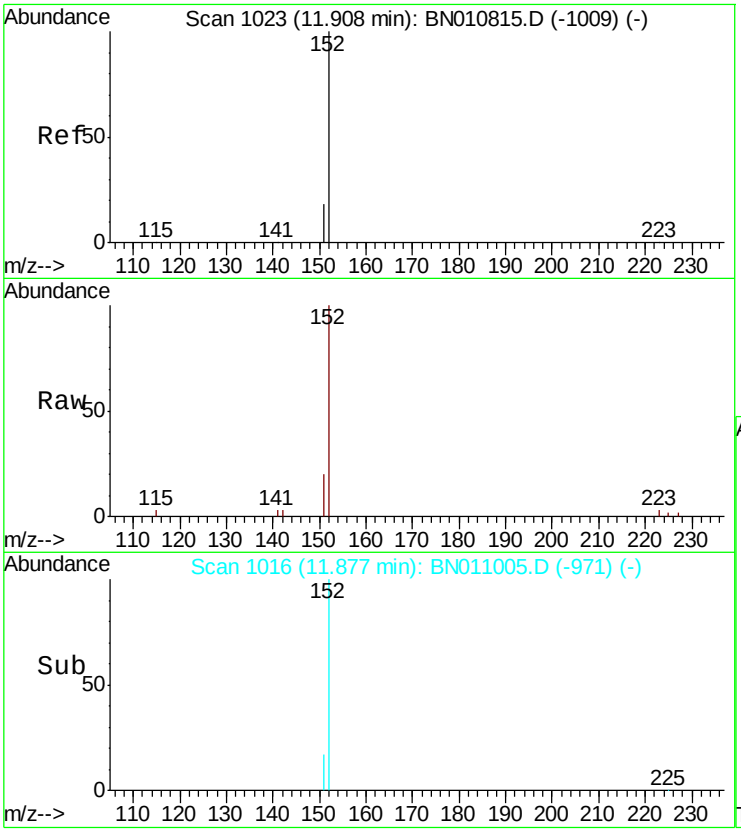


#10
Hexachlorobutadiene
Concen: 0.420 ng
RT: 10.62 min Scan# 863
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:225 Resp: 1621

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.5	75.7



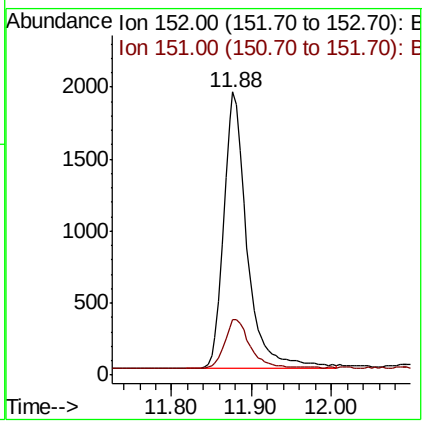


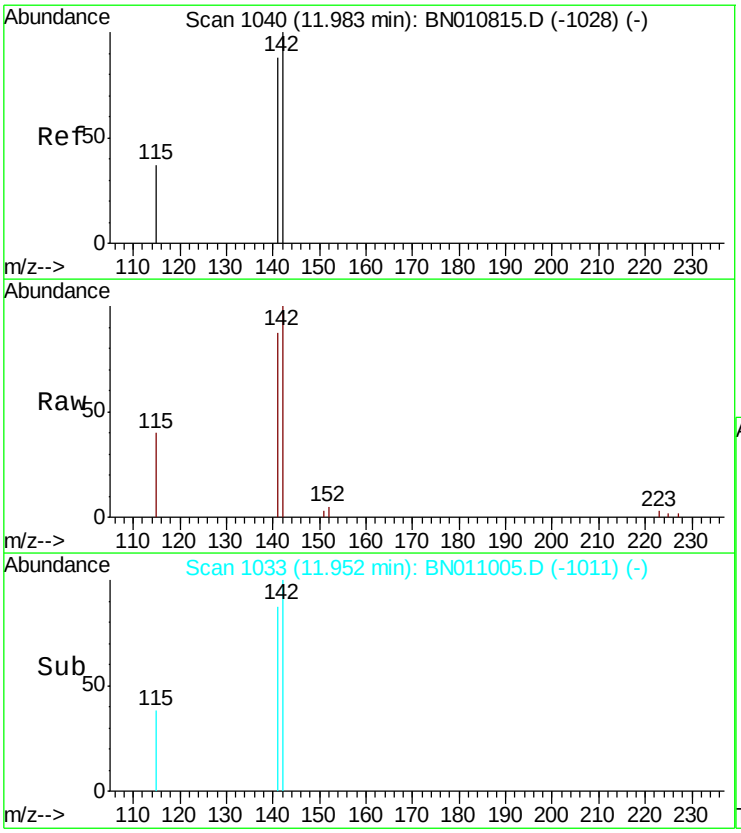
#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 11.88 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:152 Resp: 3897

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

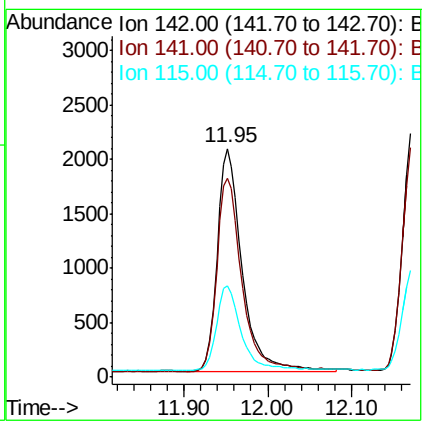


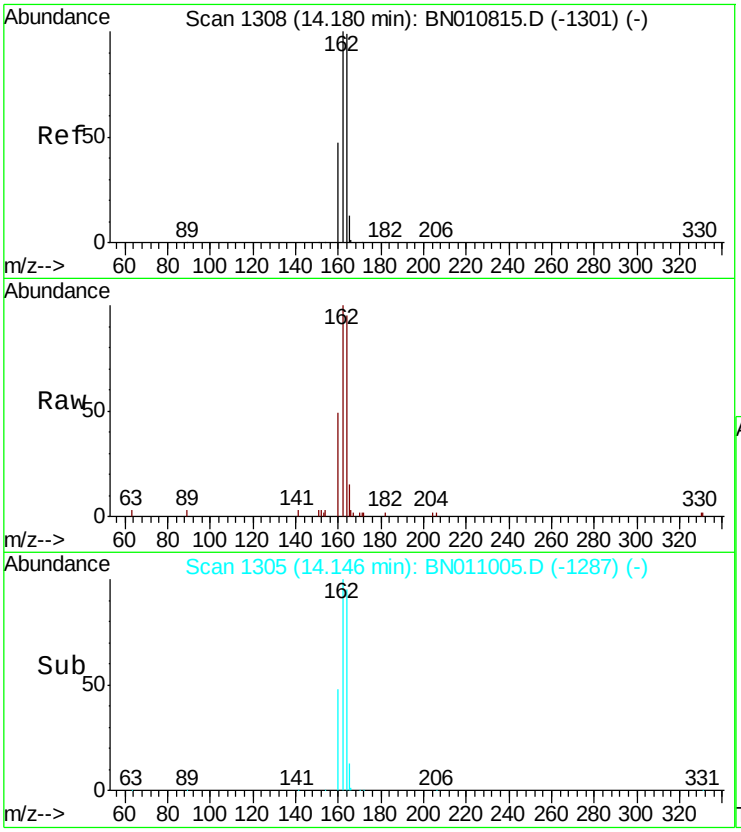


#12
2-Methylnaphthalene
Concen: 0.403 ng
RT: 11.95 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:142 Resp: 4210

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.8	106.2
115	39.8	31.5	47.3



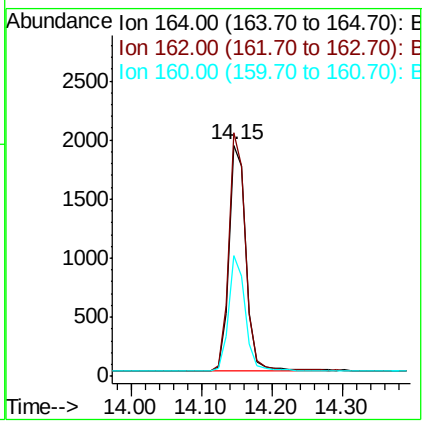


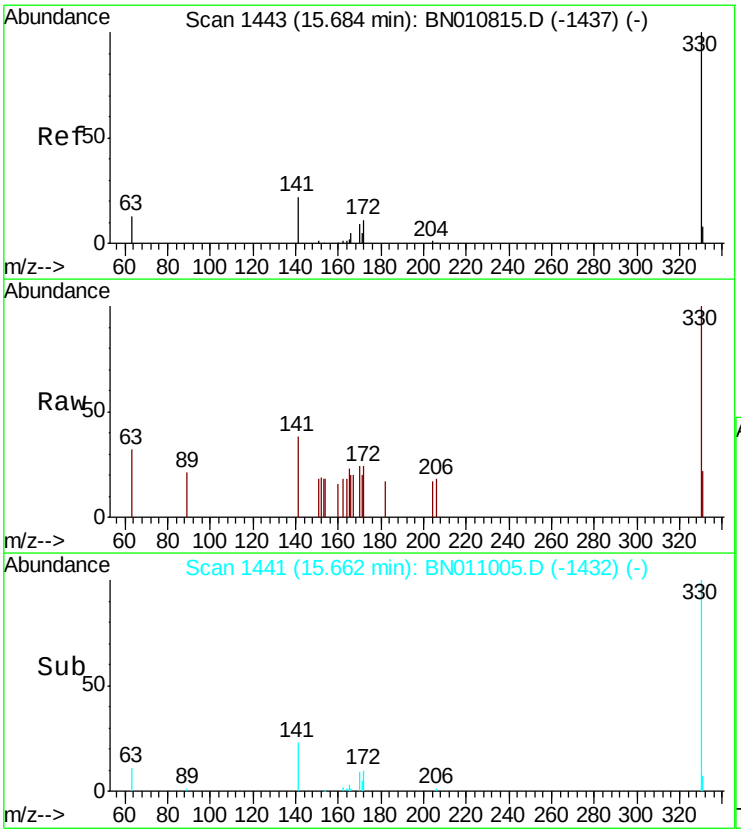
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.15 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:164 Resp: 3244

Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.0	121.6
160	52.1	38.9	58.3

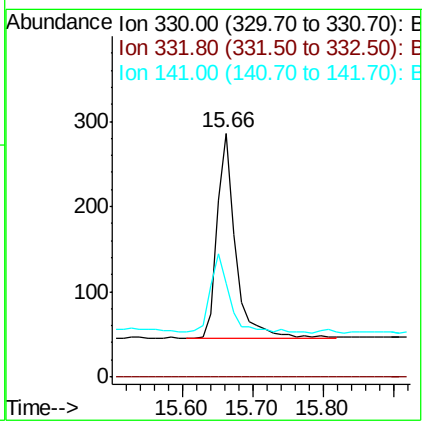


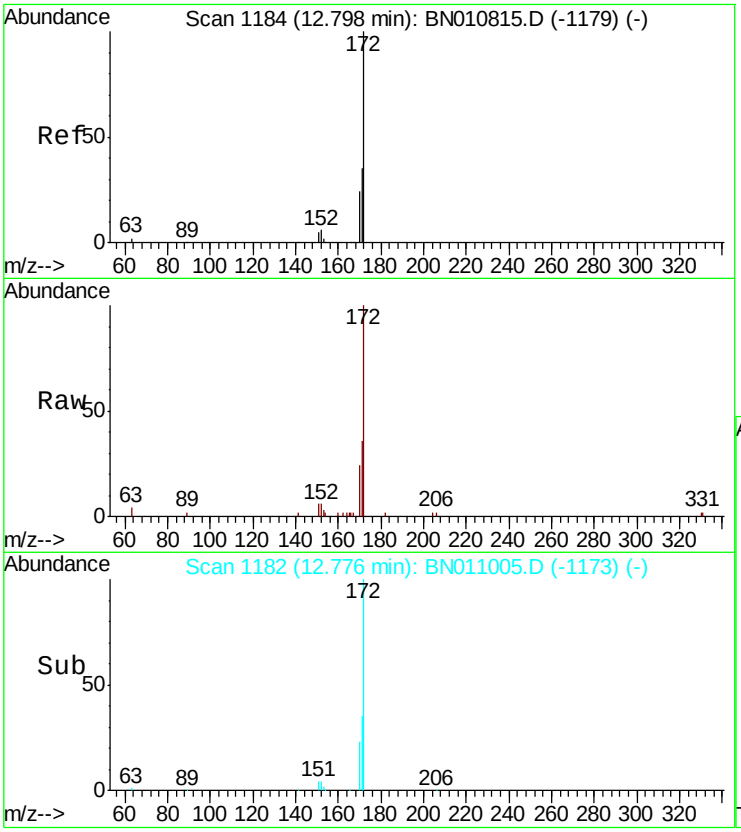


#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.66 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:330 Resp: 447

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.1	33.2	49.8



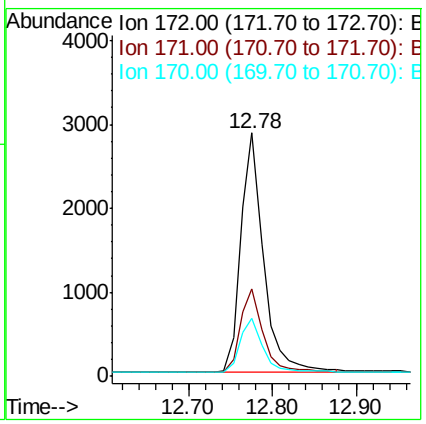


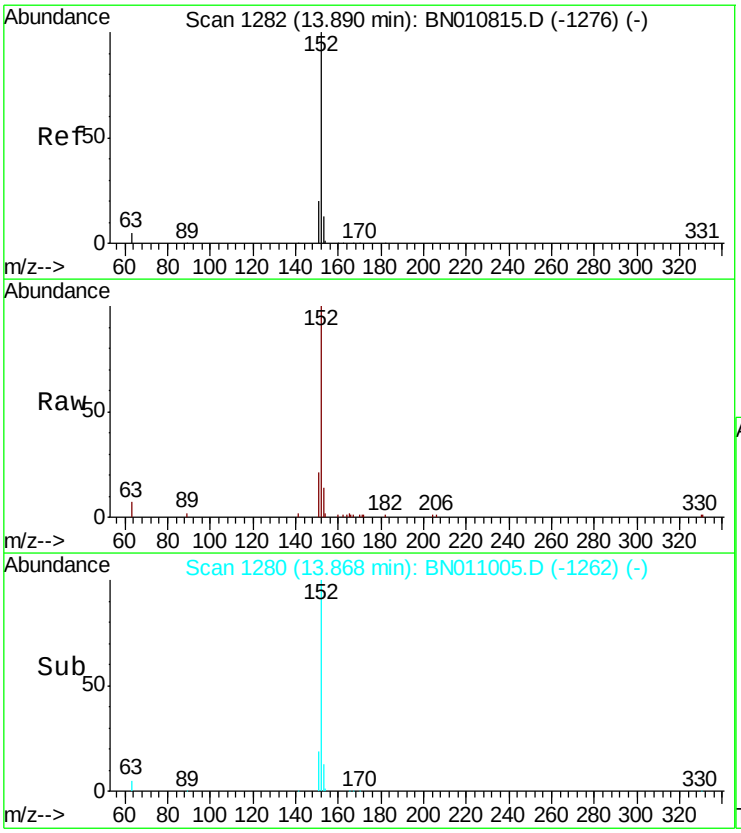
#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:172 Resp: 5386

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.8	19.7	29.5

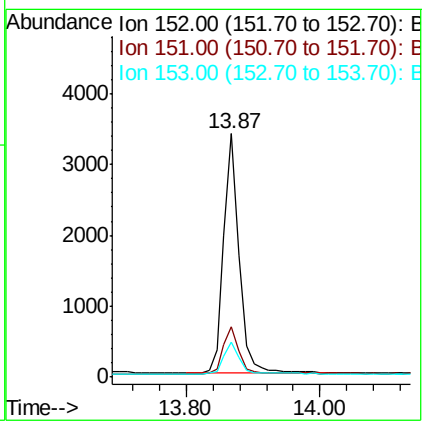


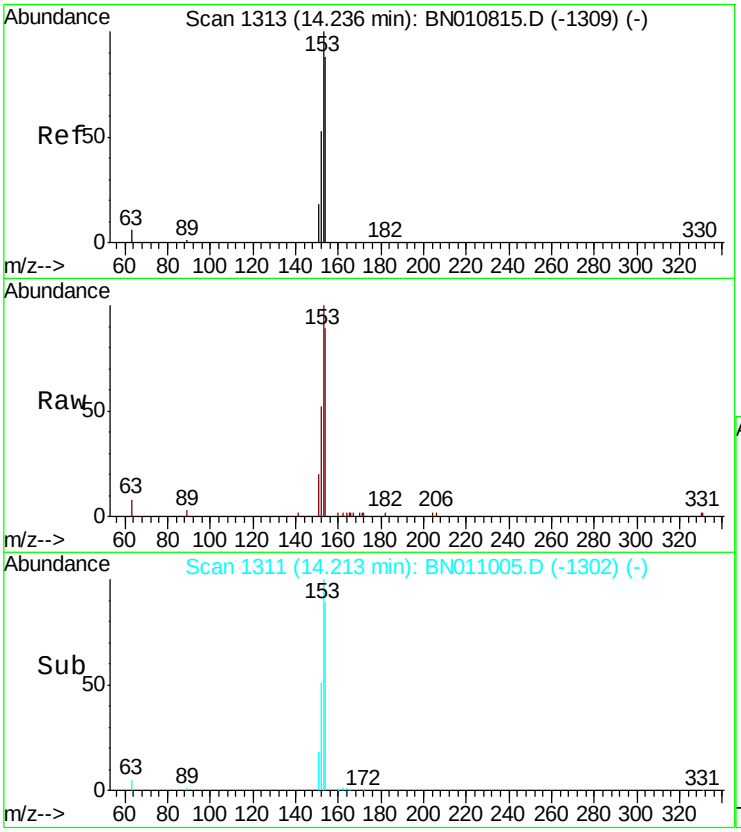


#16
Acenaphthylene
Concen: 0.413 ng
RT: 13.87 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:152 Resp: 5488

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.2	10.6	16.0



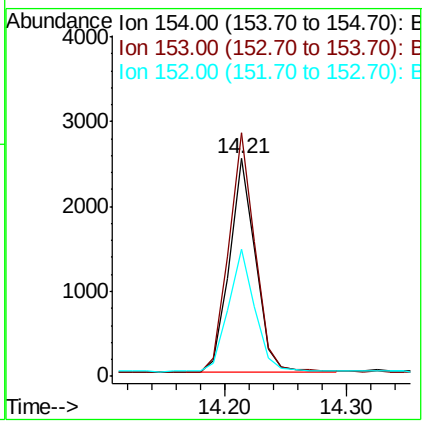


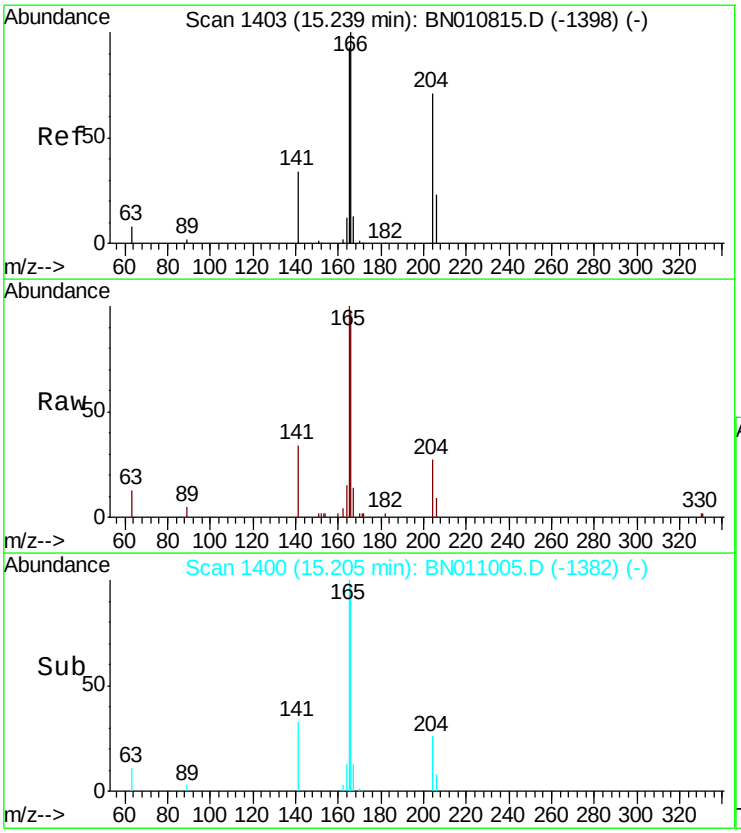
#17
Acenaphthene
Concen: 0.414 ng
RT: 14.21 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:154 Resp: 3748

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.8	137.6
152	58.9	47.6	71.4

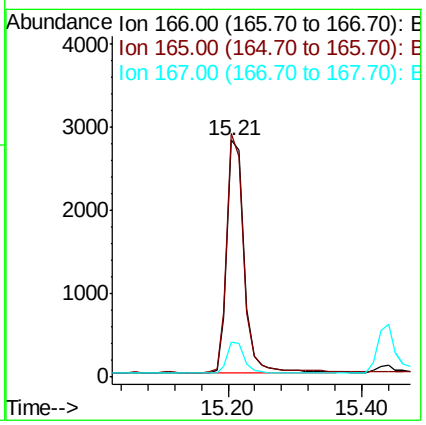


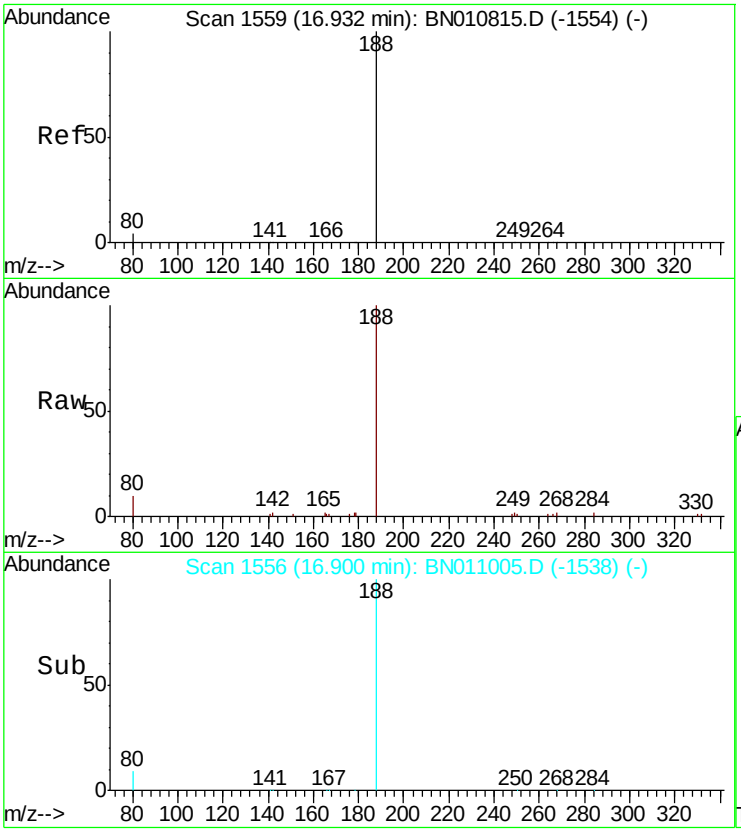


#18
Fluorene
Concen: 0.431 ng
RT: 15.21 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:166 Resp: 5042

Ion	Ratio	Lower	Upper
166	100		
165	99.3	77.2	115.8
167	13.6	10.7	16.1



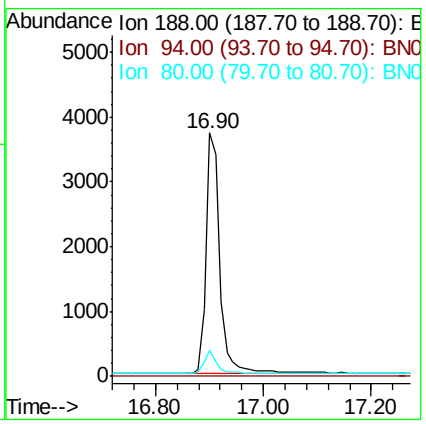


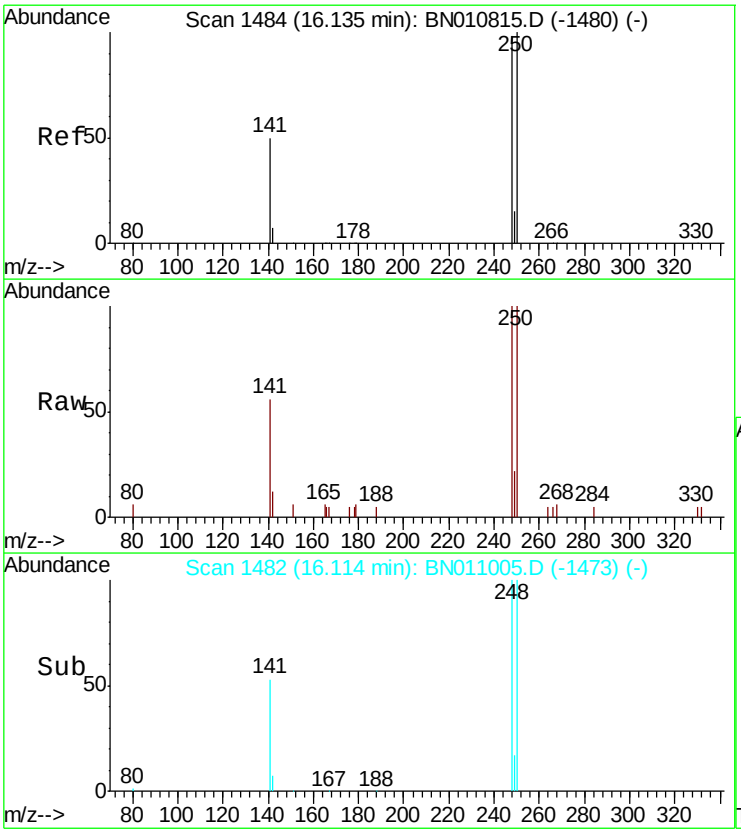
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:188 Resp: 6593

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	4.5	6.7#

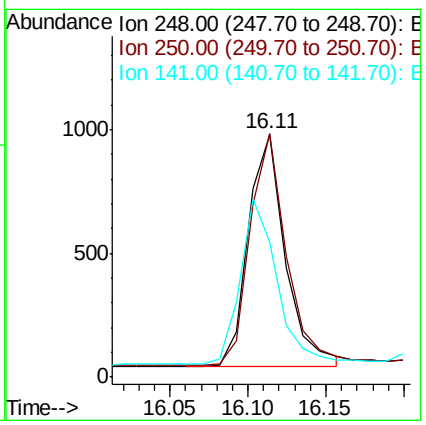


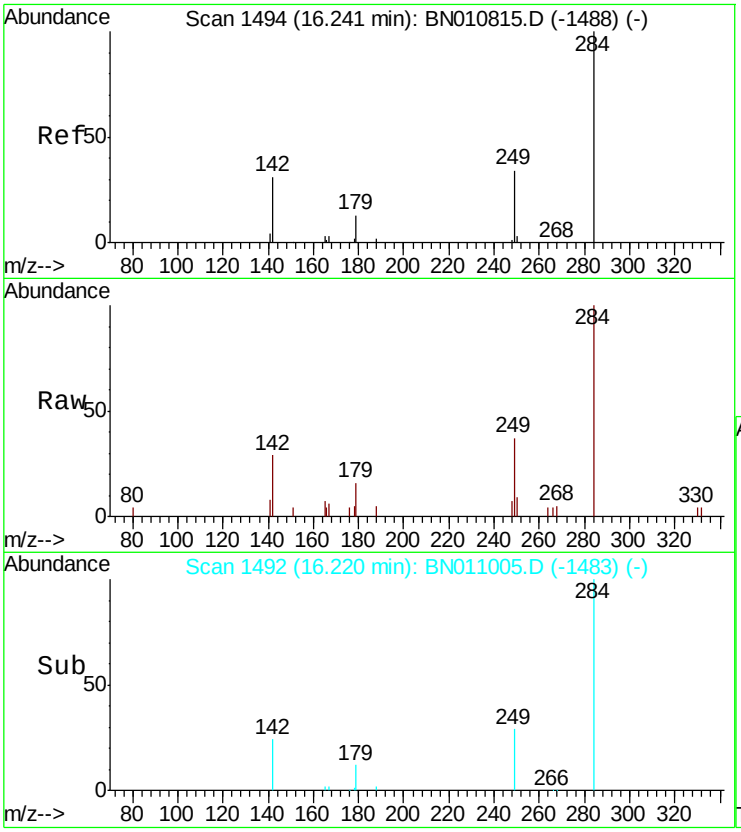


#20
4-Bromophenyl-phenylether
Concen: 0.389 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:248 Resp: 1540

Ion	Ratio	Lower	Upper
248	100		
250	100.4	81.8	122.8
141	55.8	42.6	64.0



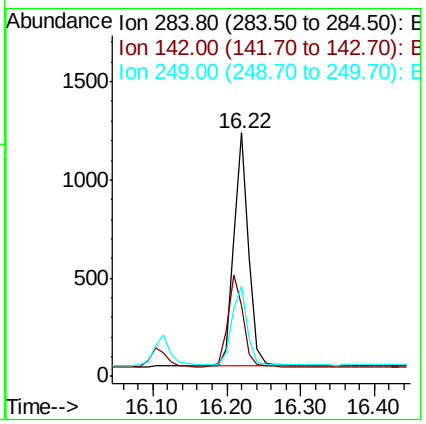


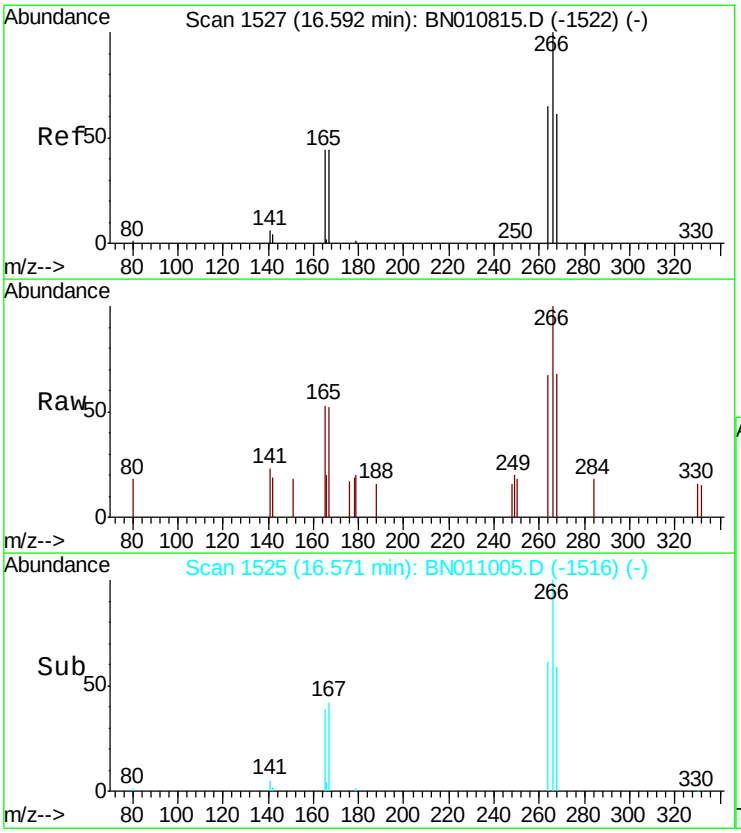
#21
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.22 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:284 Resp: 1672

Ion	Ratio	Lower	Upper
284	100		
142	41.1	31.0	46.4
249	35.0	27.1	40.7

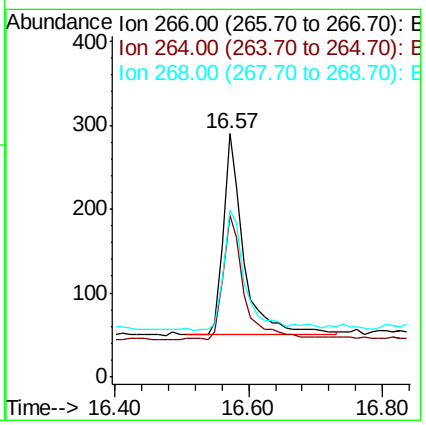


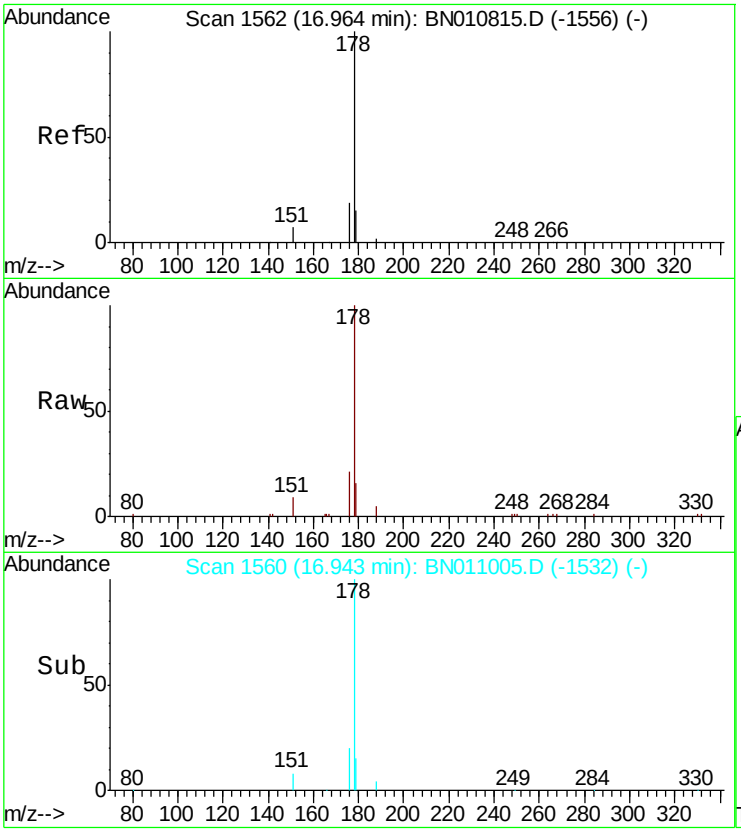


#22
Pentachlorophenol
Concen: 0.365 ng
RT: 16.57 min Scan# 1525
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:266 Resp: 506

Ion	Ratio	Lower	Upper
266	100		
264	66.6	54.8	82.2
268	68.3	55.9	83.9



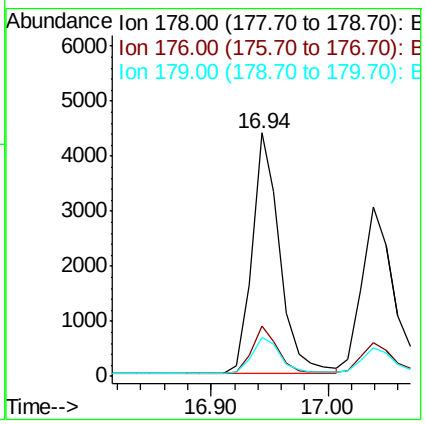


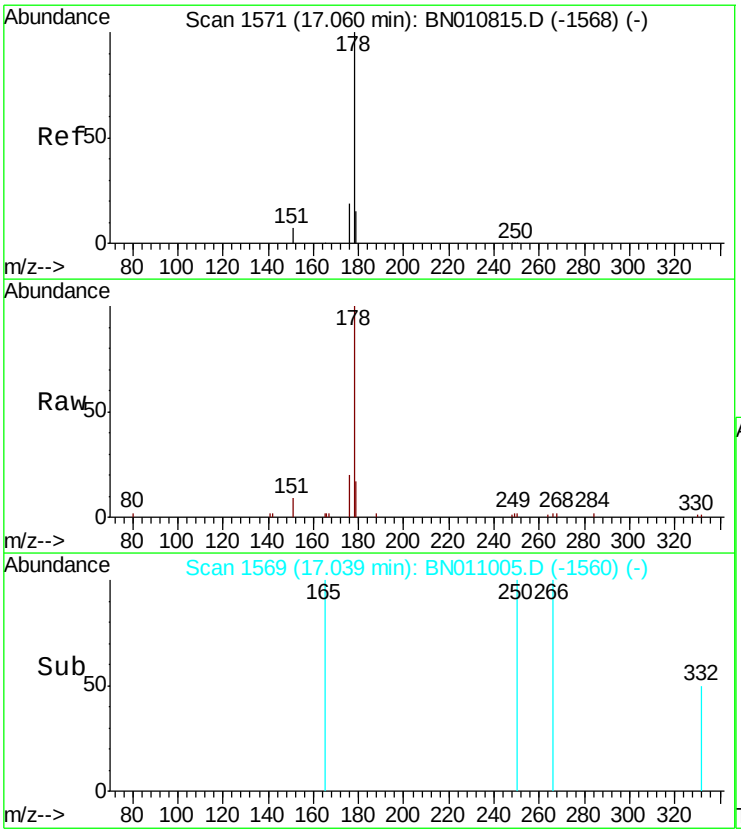
#23
Phenanthrene
Concen: 0.399 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:178 Resp: 7180

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.6	19.0

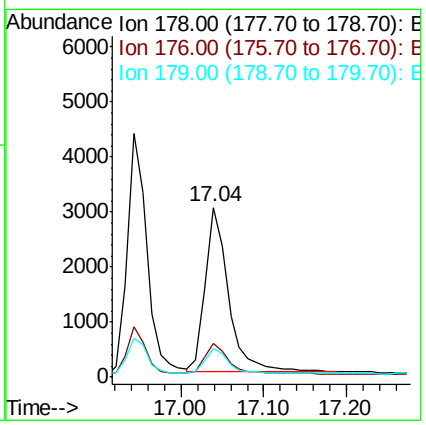


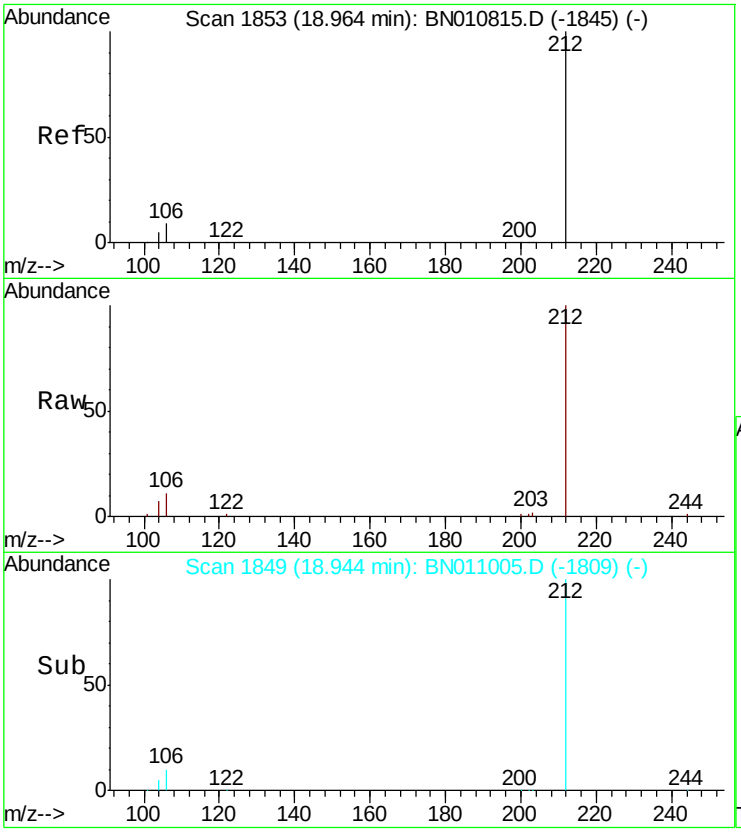


#24
Anthracene
Concen: 0.389 ng
RT: 17.04 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:178 Resp: 5841

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	14.9	12.3	18.5



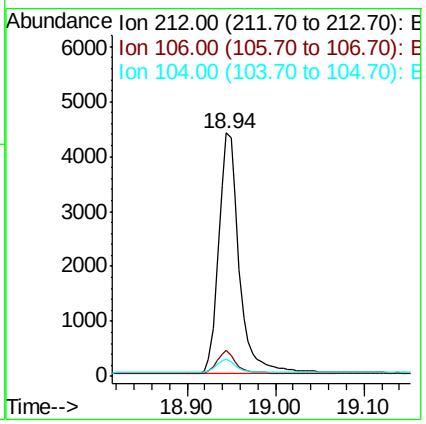


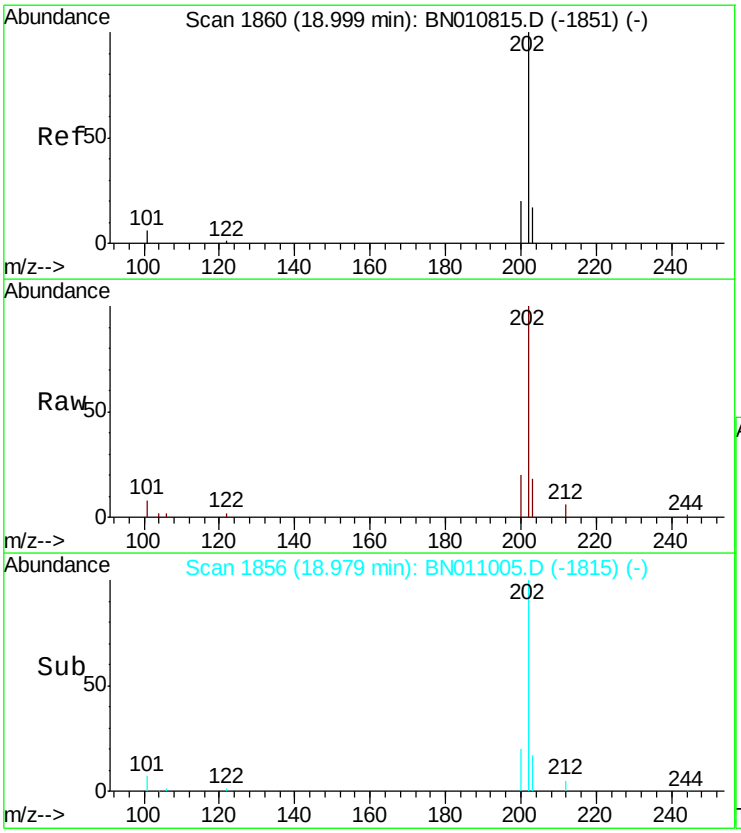
#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 18.94 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:212 Resp: 7148

Ion	Ratio	Lower	Upper
212	100		
106	8.8	6.6	10.0
104	5.3	4.0	6.0

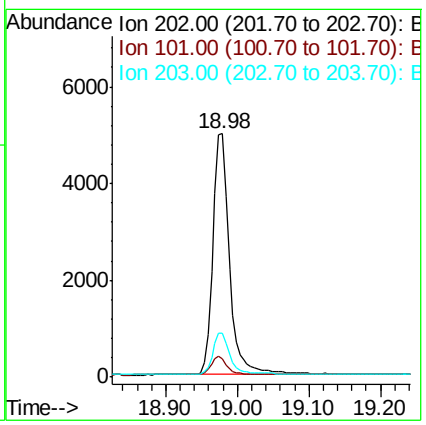


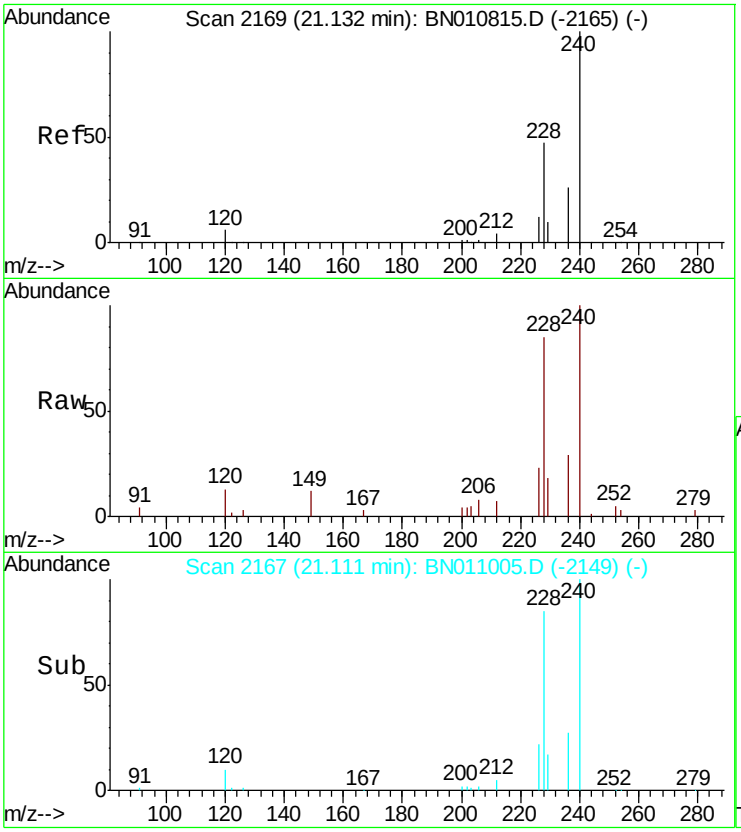


#26
Fluoranthene
Concen: 0.392 ng
RT: 18.98 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:202 Resp: 8020

Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.8	8.6
203	17.1	13.7	20.5



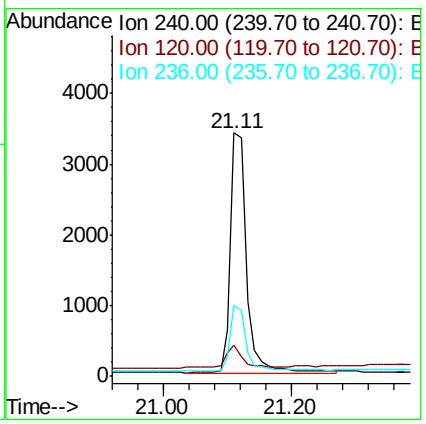


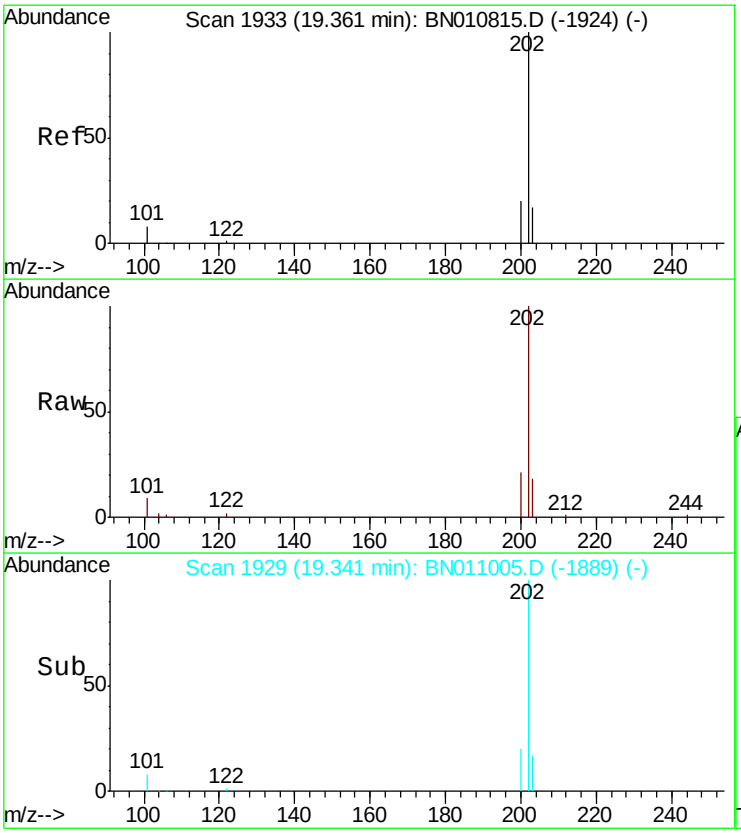
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:240 Resp: 5945

Ion	Ratio	Lower	Upper
240	100		
120	12.8	7.5	11.3#
236	29.0	22.3	33.5

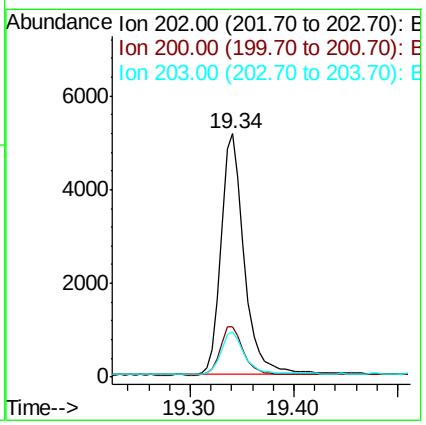


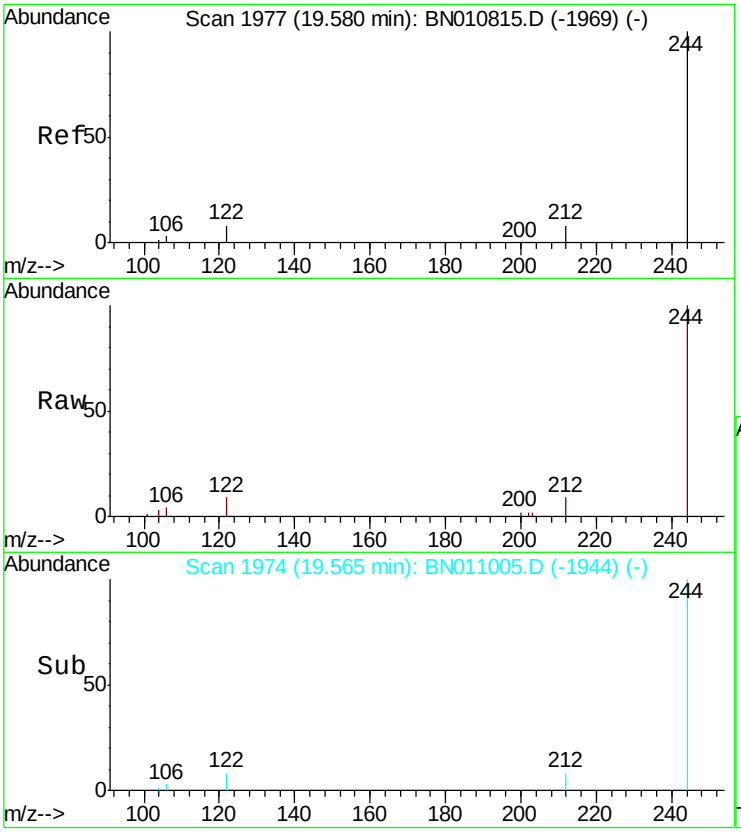


#28
Pyrene
Concen: 0.405 ng
RT: 19.34 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:202 Resp: 7962

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.4	24.6
203	17.8	14.2	21.4



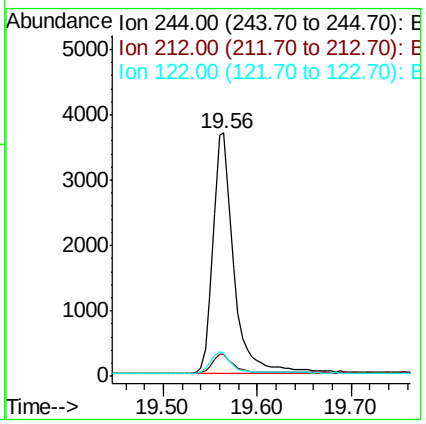


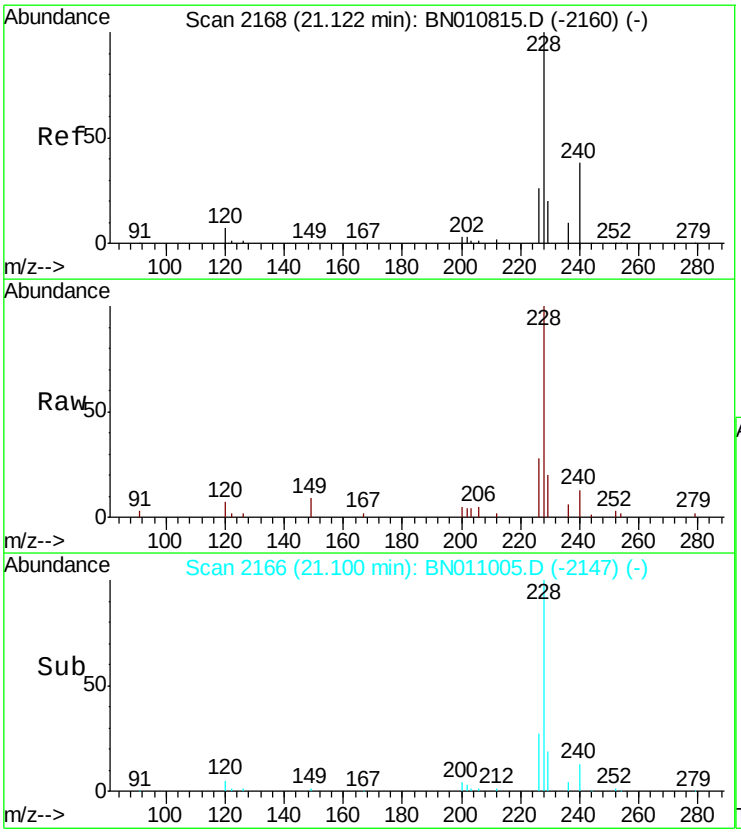
#29
Terphenyl-d14
Concen: 0.407 ng
RT: 19.56 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:244 Resp: 5670

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.4	11.2
122	9.4	7.5	11.3

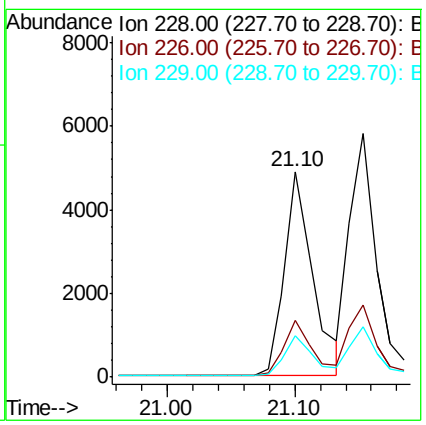


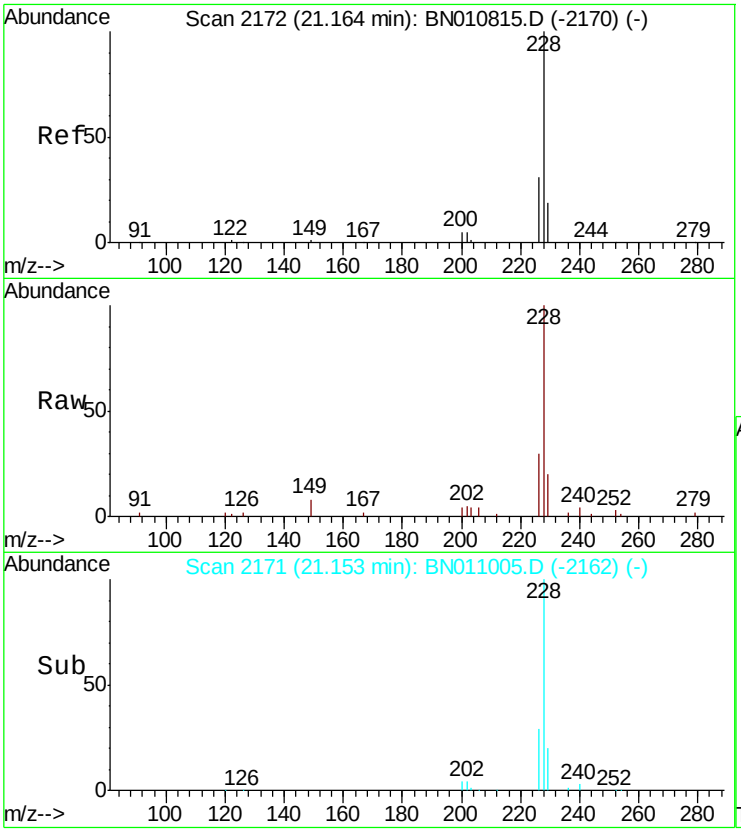


#30
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.10 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:228 Resp: 7424

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.3	31.9
229	20.2	16.6	24.8



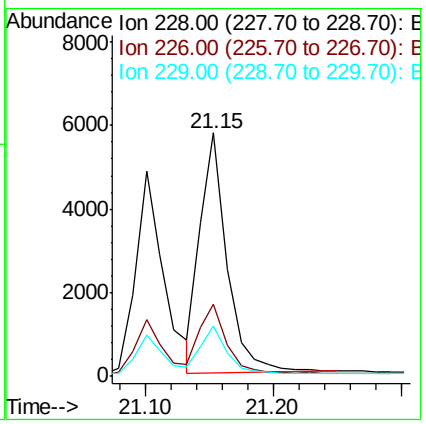


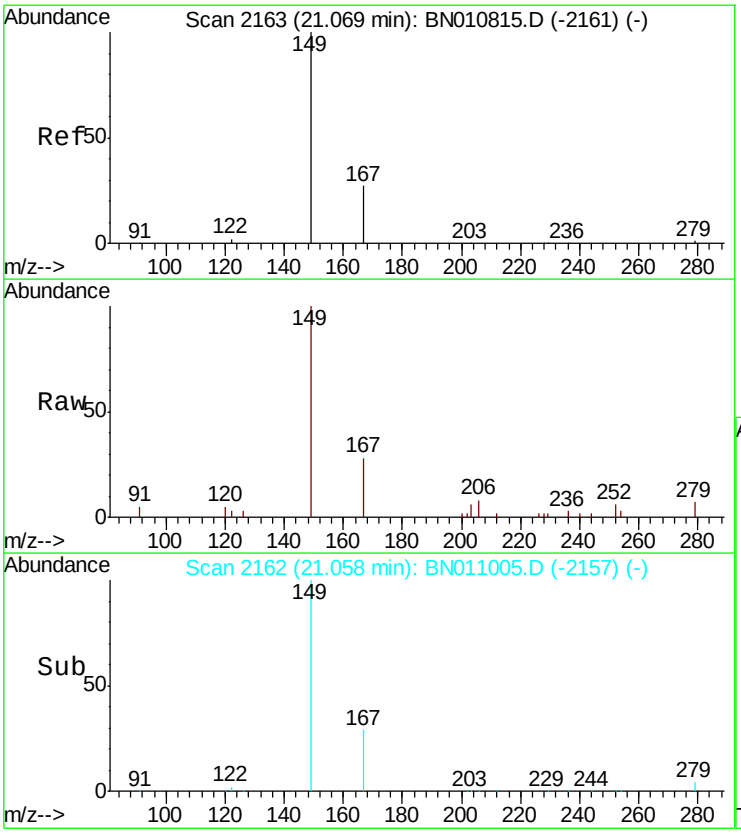
#31
Chrysene
Concen: 0.413 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:228 Resp: 8410

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.5	16.1	24.1

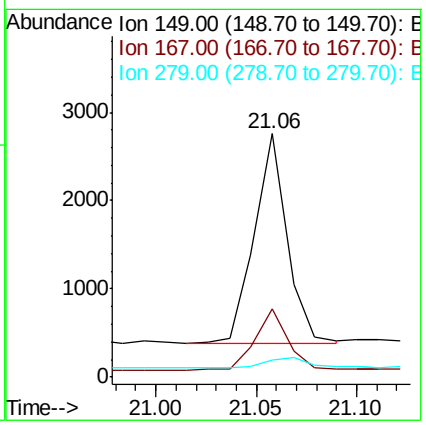


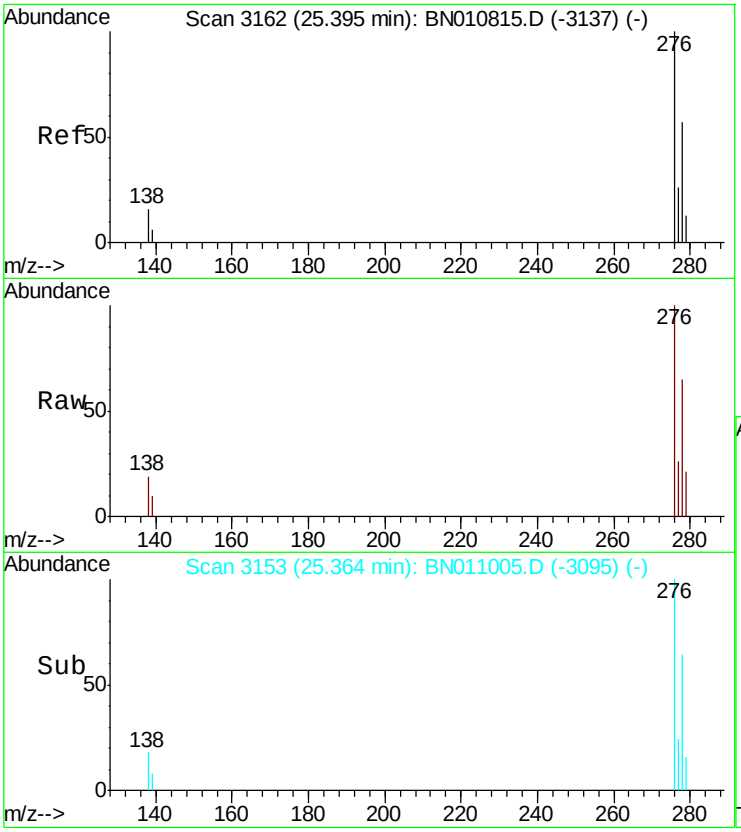


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.460 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:149 Resp: 2679

Ion	Ratio	Lower	Upper
149	100		
167	28.1	24.1	36.1
279	5.2	4.6	7.0



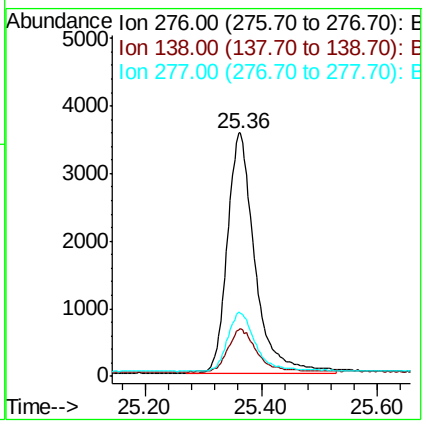


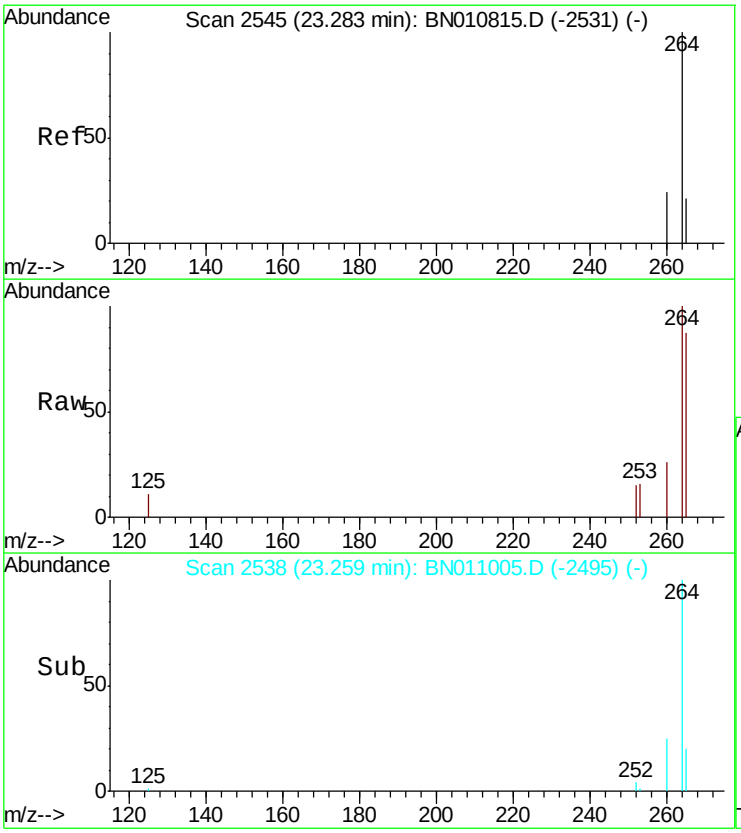
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.512 ng
RT: 25.36 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:276 Resp: 11661

Ion	Ratio	Lower	Upper
276	100		
138	18.0	13.0	19.6
277	24.6	19.7	29.5

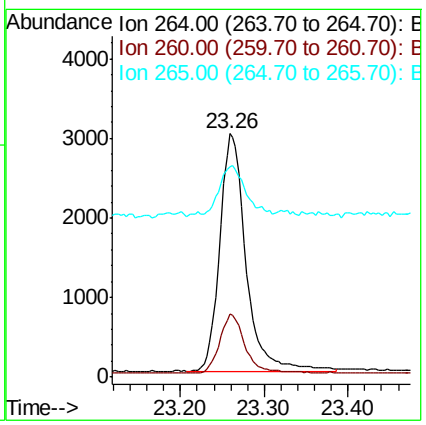


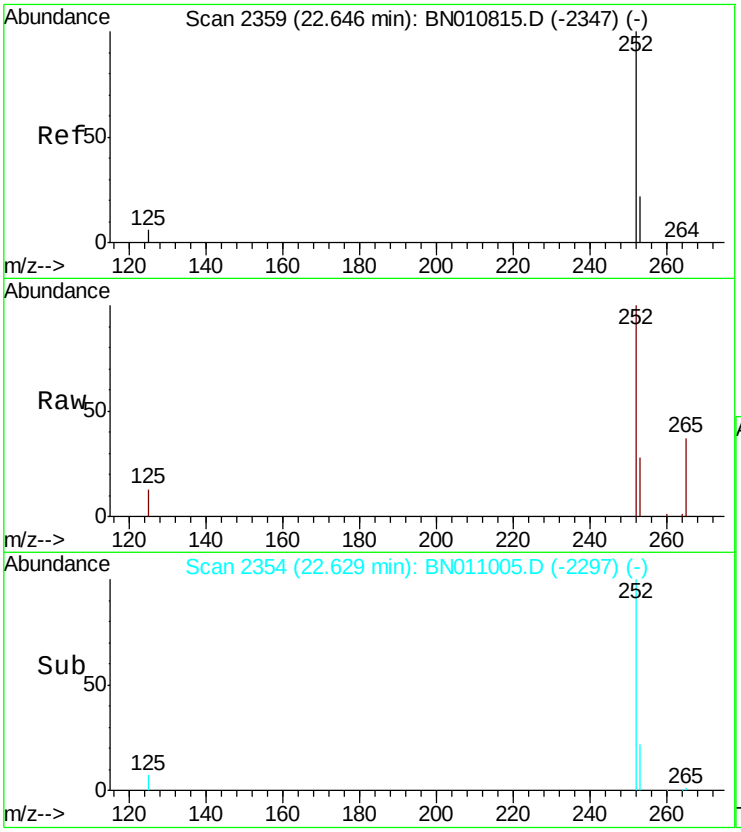


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.26 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:264 Resp: 6471

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	86.6	75.0	112.4



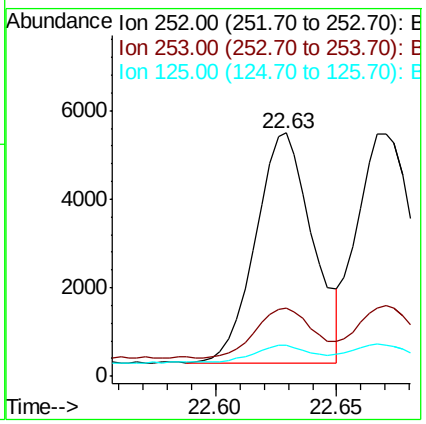


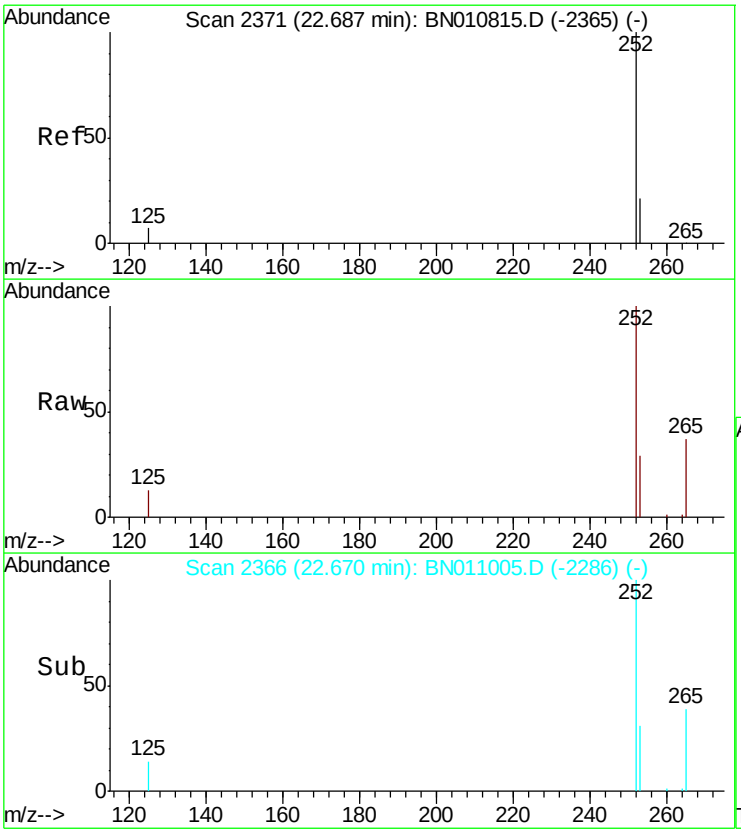
#35
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 22.63 min Scan# 2354
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:252 Resp: 8533

Ion	Ratio	Lower	Upper
252	100		
253	28.3	22.4	33.6
125	12.7	9.4	14.0

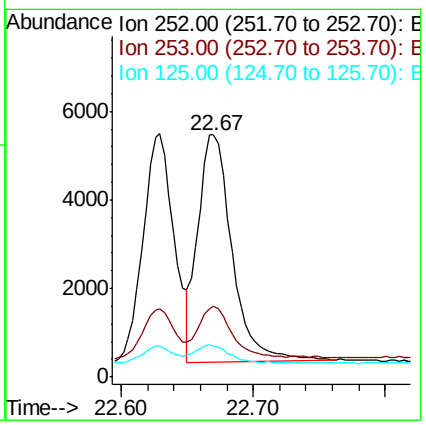


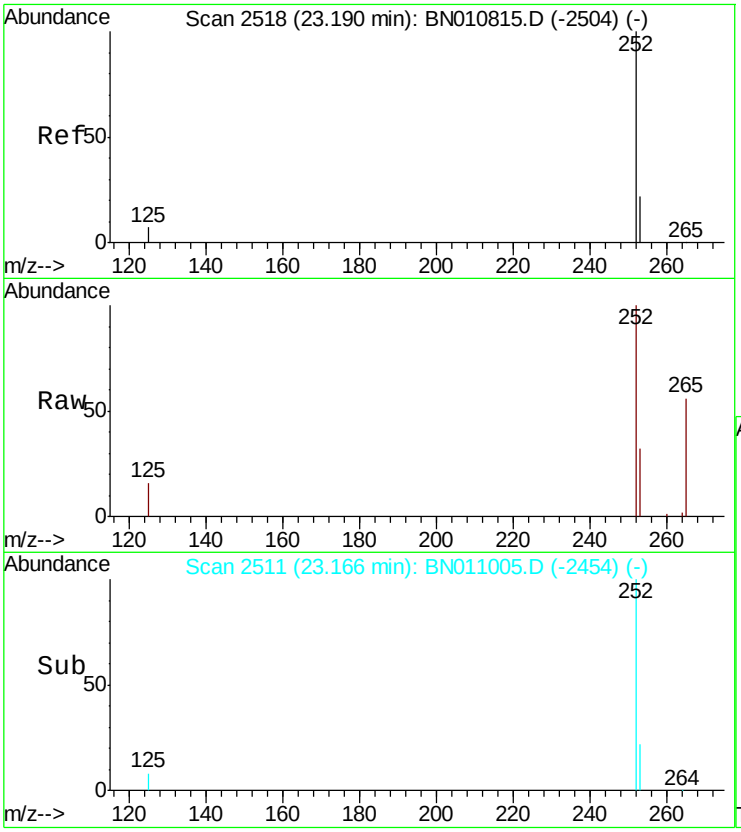


#36
Benzo(k)fluoranthene
Concen: 0.387 ng
RT: 22.67 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:252 Resp: 9077

Ion	Ratio	Lower	Upper
252	100		
253	29.1	22.2	33.4
125	13.0	9.8	14.8



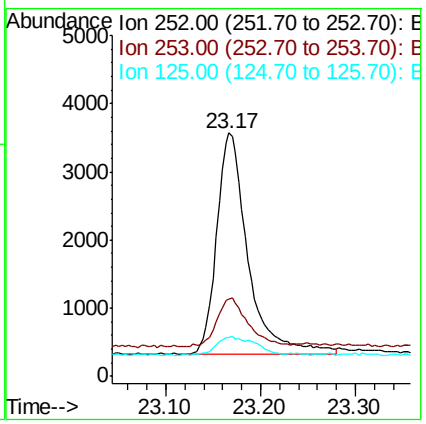


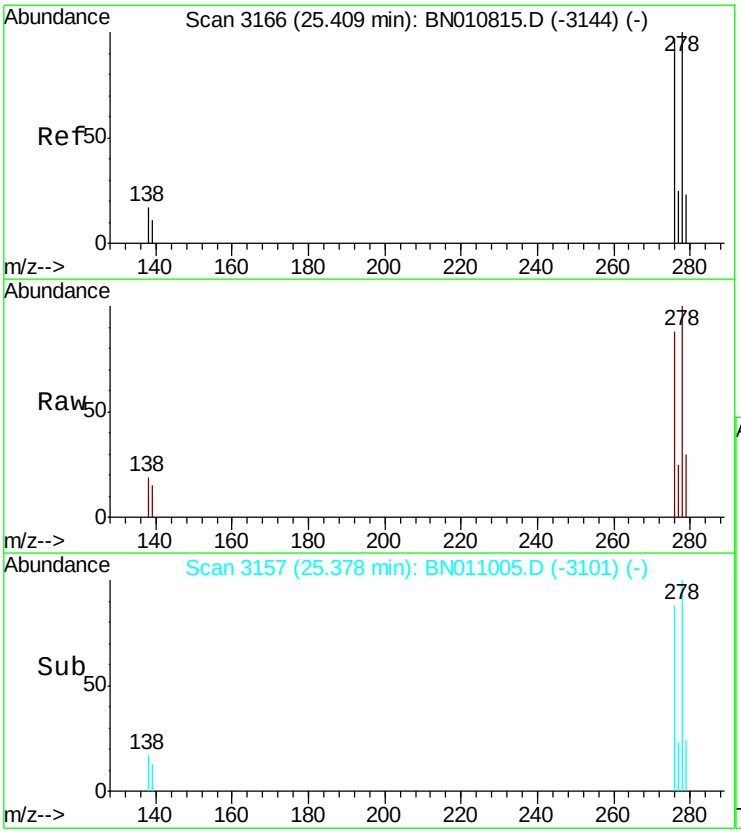
#37
Benzo(a)pyrene
Concen: 0.400 ng
RT: 23.17 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:252 Resp: 7549

Ion	Ratio	Lower	Upper
252	100		
253	31.9	25.8	38.8
125	16.1	12.4	18.6

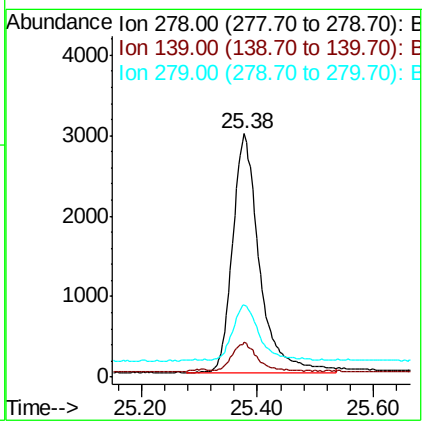


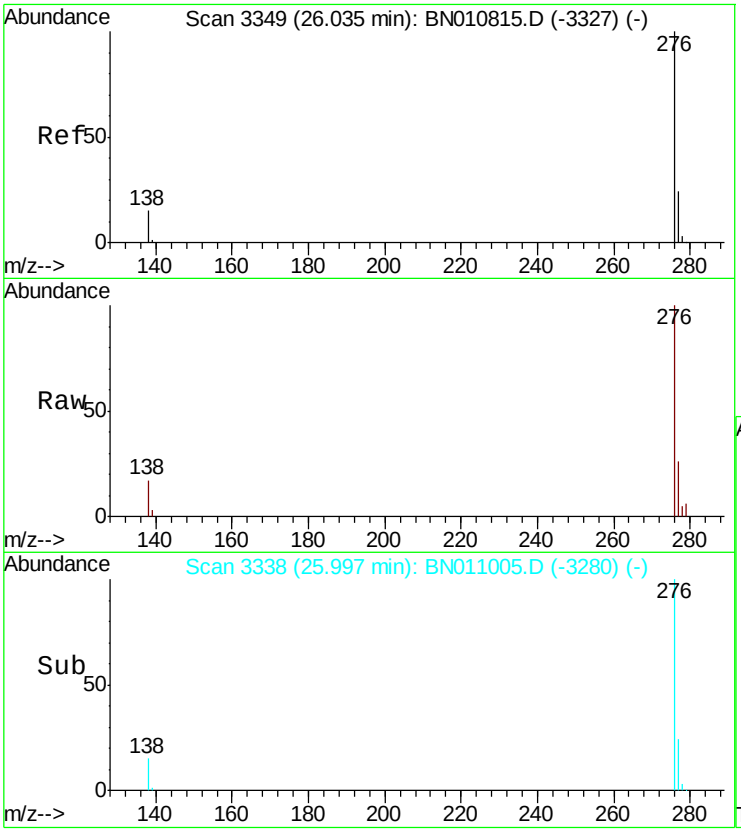


#38
Dibenzo(a,h)anthracene
Concen: 0.443 ng
RT: 25.38 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Tgt Ion:278 Resp: 9528

Ion	Ratio	Lower	Upper
278	100		
139	14.6	10.6	15.8
279	29.6	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.457 ng
RT: 26.00 min Scan# 3338
Delta R.T. 0.00 min
Lab File: BN011005.D
Acq: 22 Jun 2020 12:40

Instrument :
BNA_N
ClientSampleId :
PB129663BS

Tgt Ion:276 Resp: 10280

Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.5	30.7
138	17.2	13.7	20.5