Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072820\
Data File : BN011282.D
Acq On : 28 Jul 2020 16:18
Operator : CG/JU
Sample : PB130451BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB130451BS

Quant Time: Jul 28 16:53:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 28 14:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1839	0.40	ng		0.00
7) Naphthalene-d8	10.22	136	6575	0.40	ng		0.00
13) Acenaphthene-d10	14.10	164	3724	0.40	ng		0.00
19) Phenanthrene-d10	16.86	188	7804	0.40	ng		0.00
29) Chrysene-d12	21.09	240	4885	0.40	ng		0.00
36) Perylene-d12	23.22	264	5539	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.14	112	1714	0.35	ng		0.00
5) Phenol-d6	6.68	99	2086	0.35	ng		0.00
8) Nitrobenzene-d5	8.63	82	2193	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.82	152	4396	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.61	330	574	0.33	ng		0.00
15) 2-Fluorobiphenyl	12.72	172	6533	0.41	ng		0.00
27) Fluoranthene-d10	18.91	212	8713	0.37	ng		0.00
31) Terphenyl-d14	19.53	244	5945	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	980	0.379	ng		97
3) n-Nitrosodimethylamine	3.53	42	504	0.380	ng	#	83
6) bis(2-Chloroethyl)ether	6.93	93	1733	0.354	ng		99
9) Naphthalene	10.28	128	7370	0.378	ng		100
10) Hexachlorobutadiene	10.57	225	1817	0.385	ng	#	98
12) 2-Methylnaphthalene	11.90	142	5028	0.364	ng		97
16) Acenaphthylene	13.82	152	7182	0.375	ng		100
17) Acenaphthene	14.17	154	4631	0.370	ng		99
18) Fluorene	15.17	166	6394	0.399	ng		98
20) 4,6-Dinitro-2-methylphenol	15.28	198	341	0.402	ng		99
21) 4-Bromophenyl-phenylether	16.07	248	2119	0.410	ng		98
22) Hexachlorobenzene	16.18	284	2311	0.394	ng		96
23) Atrazine	16.36	200	1444	0.358	ng		99
24) Pentachlorophenol	16.53	266	586	0.322	ng		94
25) Phenanthrene	16.91	178	9285	0.366	ng		100
26) Anthracene	16.99	178	6970	0.330	ng		99
28) Fluoranthene	18.94	202	10427	0.361	ng		100
30) Pyrene	19.31	202	9754	0.443	ng		100
32) Benzo(a)anthracene	21.08	228	6073	0.371	ng		99
33) Chrysene	21.12	228	7597	0.414	ng		99
34) Bis(2-ethylhexyl)phthalate	21.04	149	3367	0.383	ng		99
35) Indeno(1,2,3-cd)pyrene	25.30	276	8027	0.448	ng		97
37) Benzo(b)fluoranthene	22.59	252	6496	0.294	ng		99
38) Benzo(k)fluoranthene	22.64	252	7813	0.321	ng		98
39) Benzo(a)pyrene	23.13	252	5930	0.309	ng		99
40) Dibenzo(a,h)anthracene	25.32	278	6404	0.323	ng		99
41) Benzo(g,h,i)perylene	25.93	276	7922	0.360	ng		98

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

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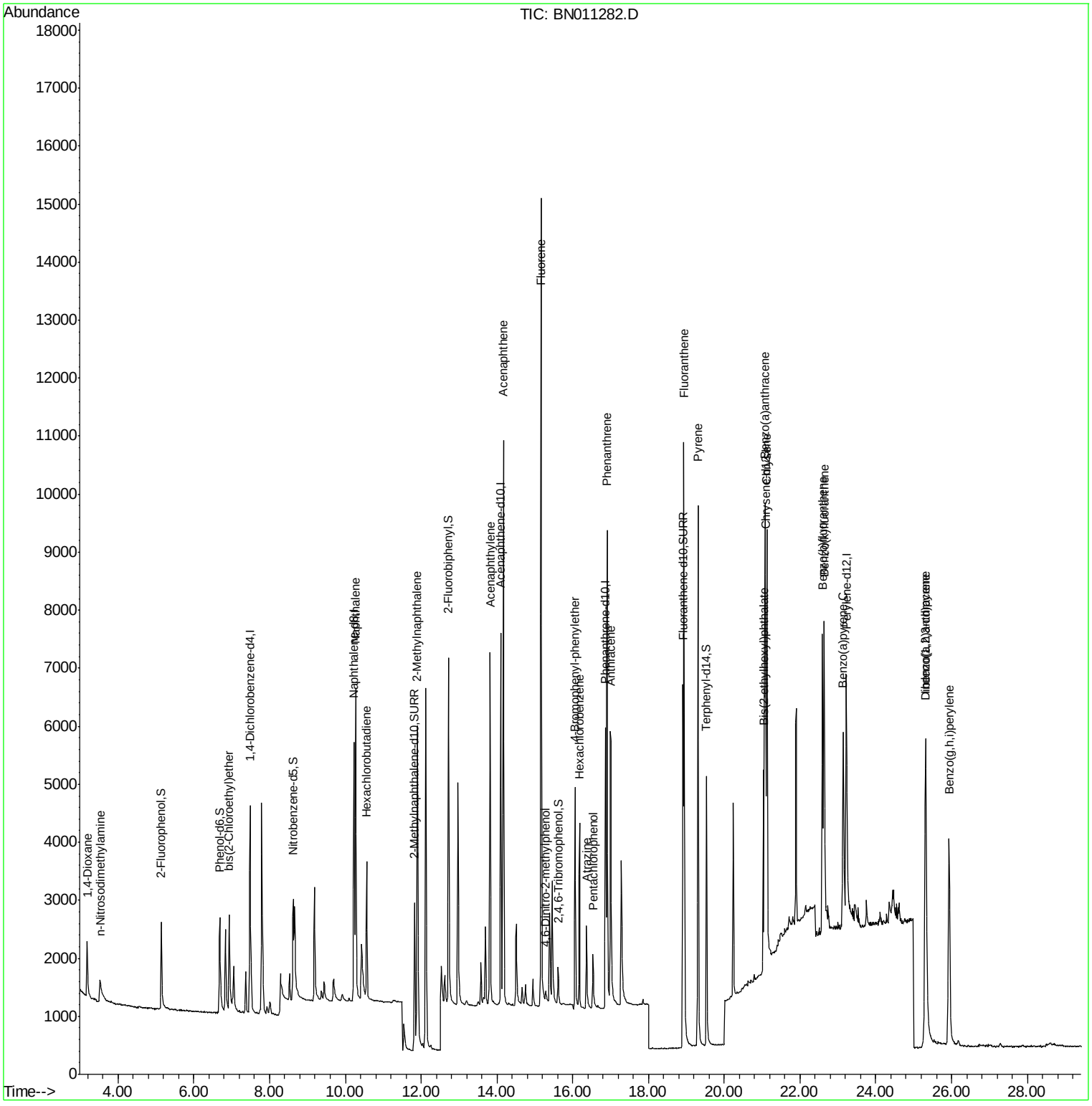
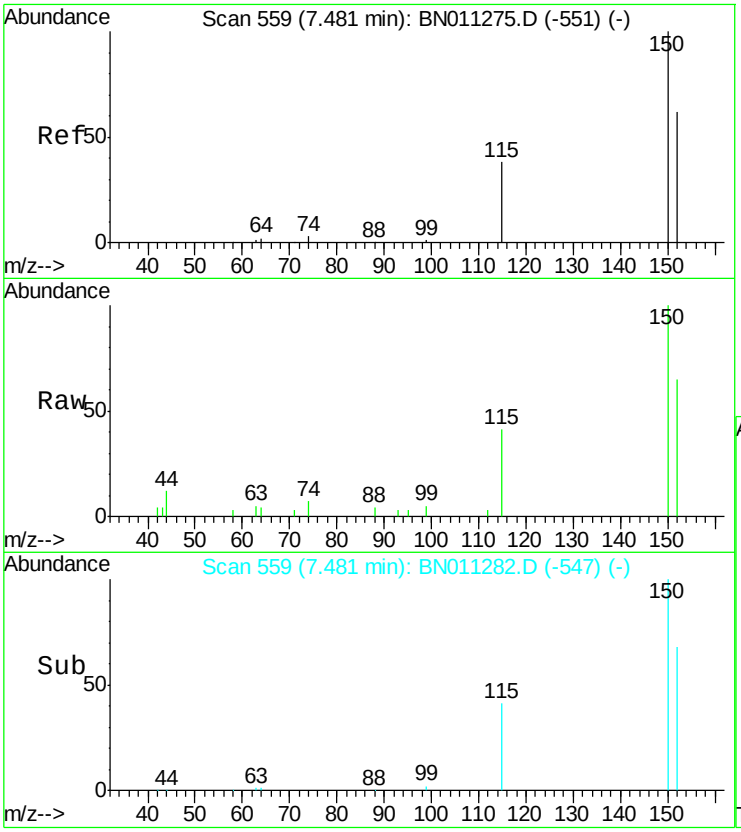
Data File : BN011282.D
Acq On : 28 Jul 2020 16:18
Operator : CG/JU
Sample : PB130451BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Quant Time: Jul 28 16:53:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 28 14:38:05 2020
Response via : Initial Calibration



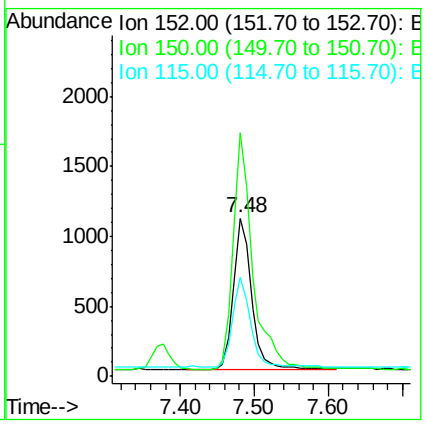


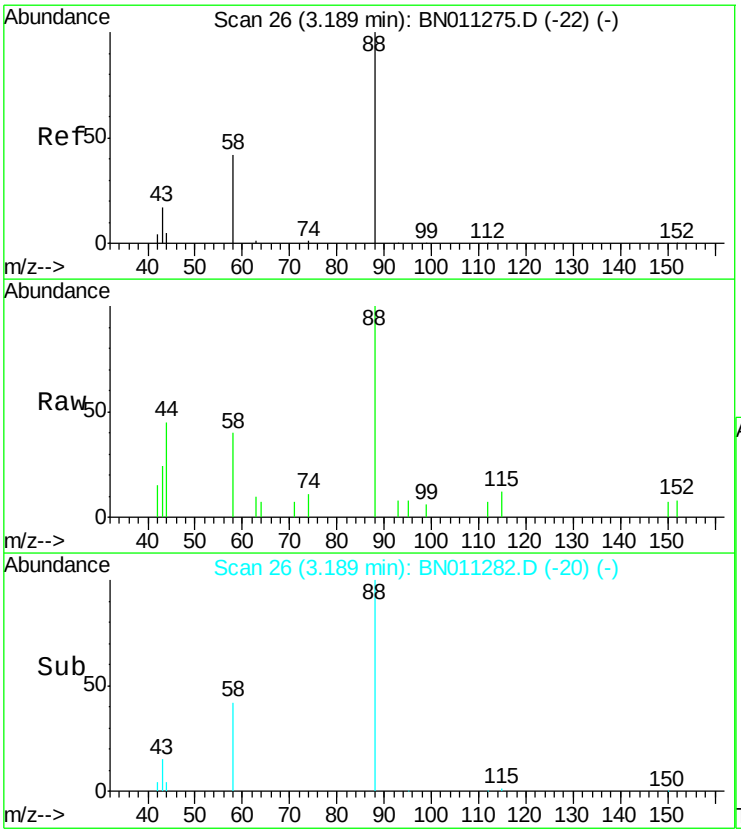
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 559
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:152 Resp: 1839

Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.5	189.7
115	63.0	51.9	77.9

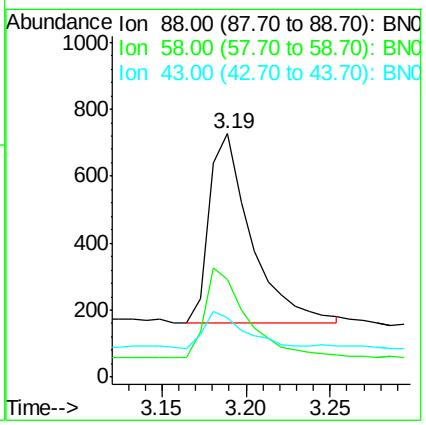


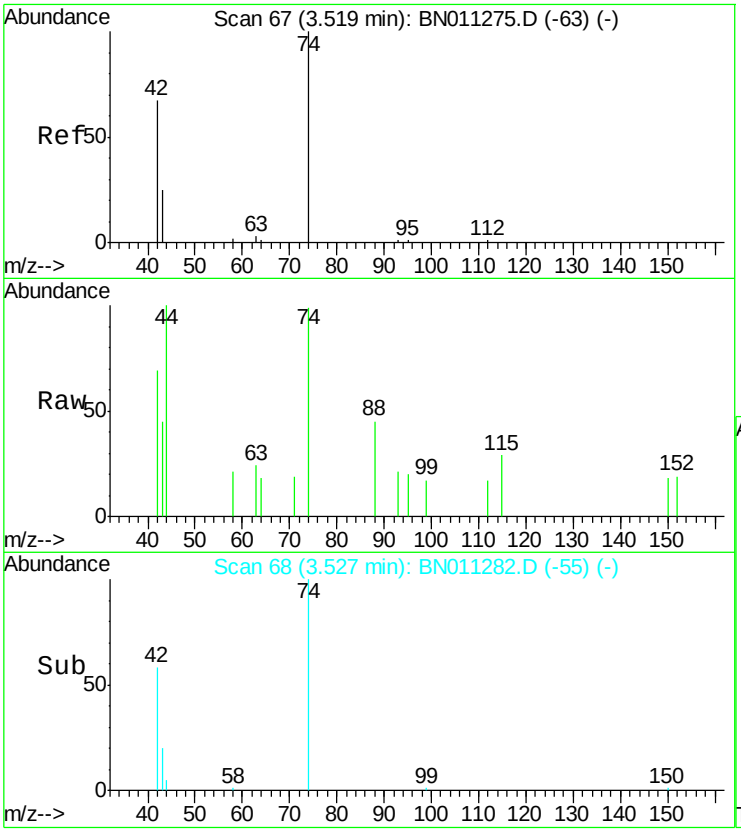


#2
1,4-Dioxane
Concen: 0.379 ng
RT: 3.19 min Scan# 26
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion: 88 Resp: 980

Ion	Ratio	Lower	Upper
88	100		
58	47.3	36.5	54.7
43	18.8	16.1	24.1



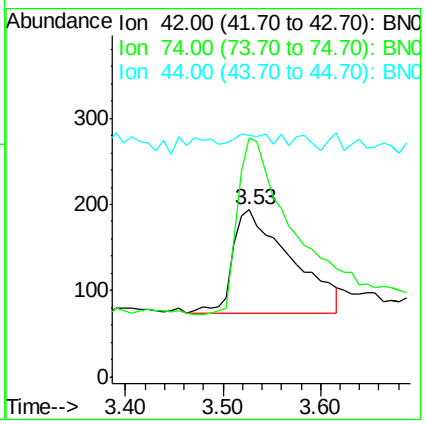


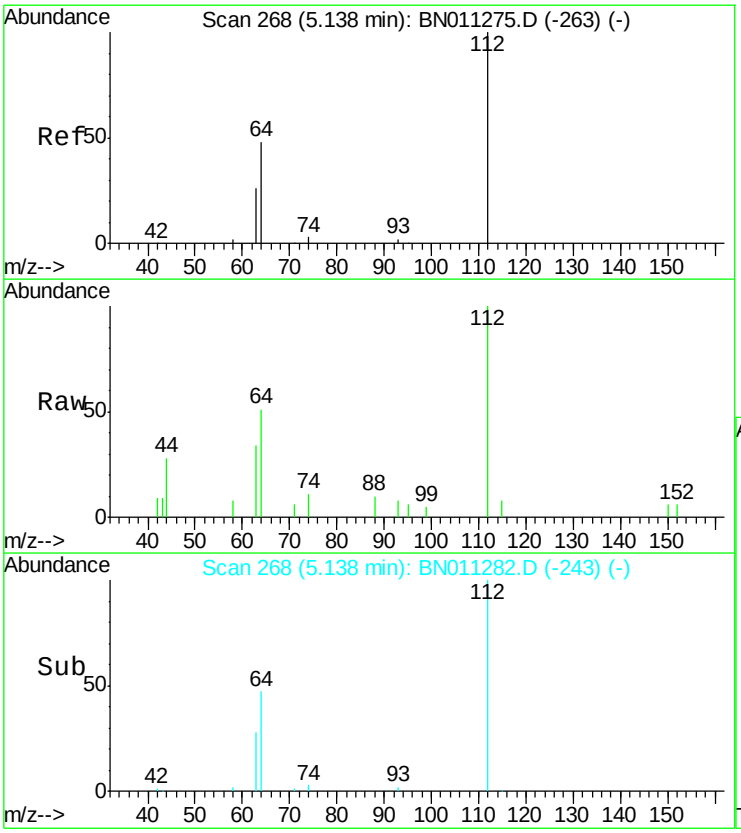
#3
n-Nitrosodimethylamine
Concen: 0.380 ng
RT: 3.53 min Scan# 68
Delta R.T. 0.01 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion: 42 Resp: 504

Ion	Ratio	Lower	Upper
42	100		
74	156.3	144.2	216.2
44	6.7	11.1	16.7#

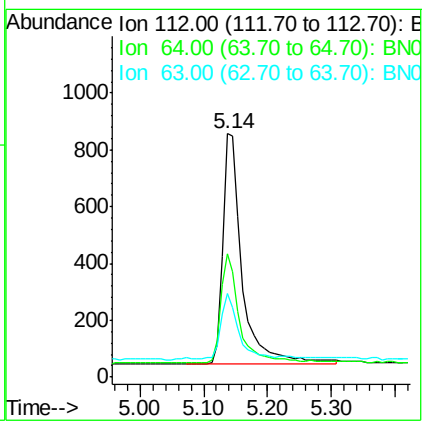


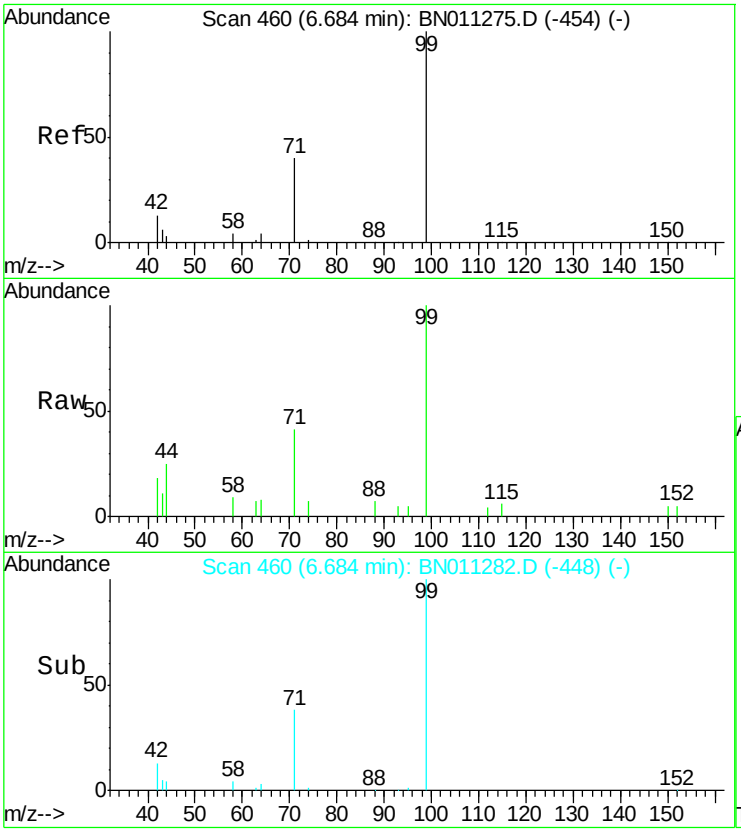


#4
2-Fluorophenol
Concen: 0.355 ng
RT: 5.14 min Scan# 268
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:112 Resp: 1714

Ion	Ratio	Lower	Upper
112	100		
64	45.3	35.8	53.6
63	25.4	19.3	28.9



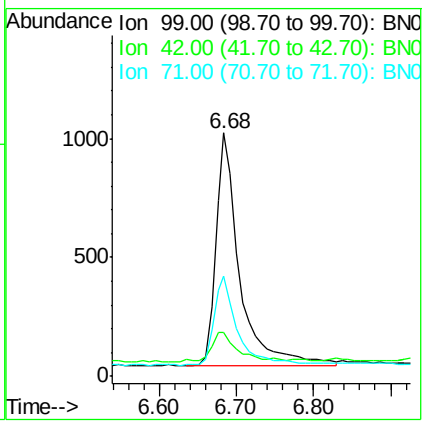


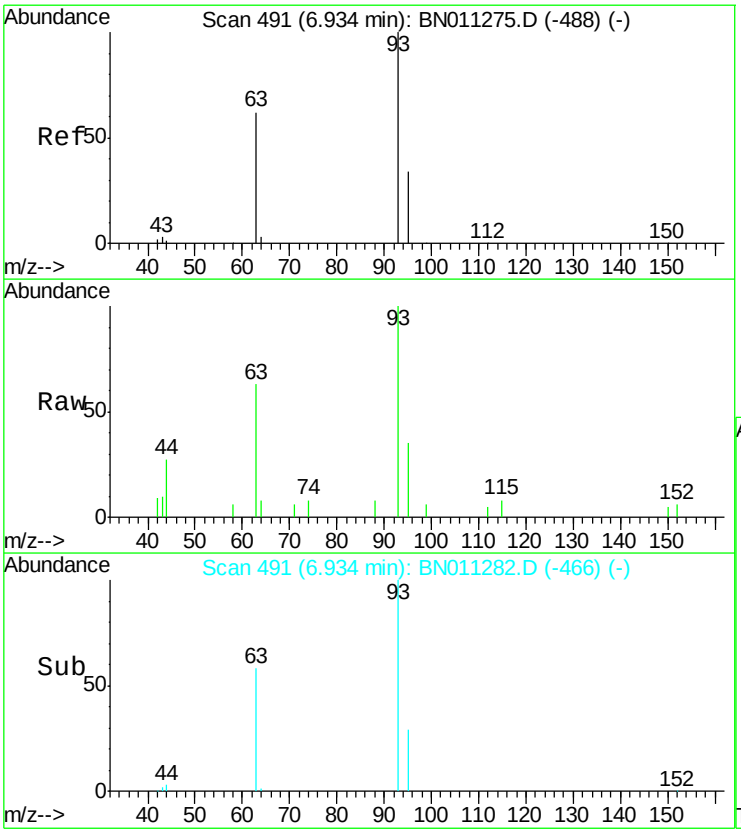
#5
Phenol-d6
Concen: 0.355 ng
RT: 6.68 min Scan# 460
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion: 99 Resp: 2086

Ion	Ratio	Lower	Upper
99	100		
42	15.1	11.2	16.8
71	38.2	30.6	45.8

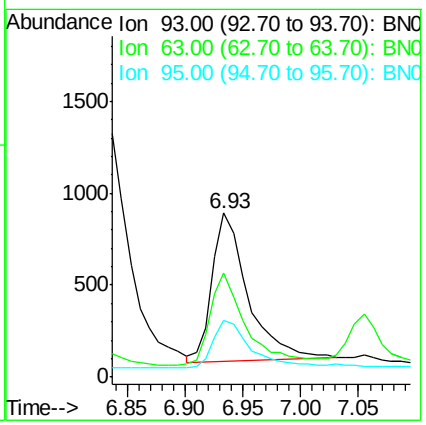


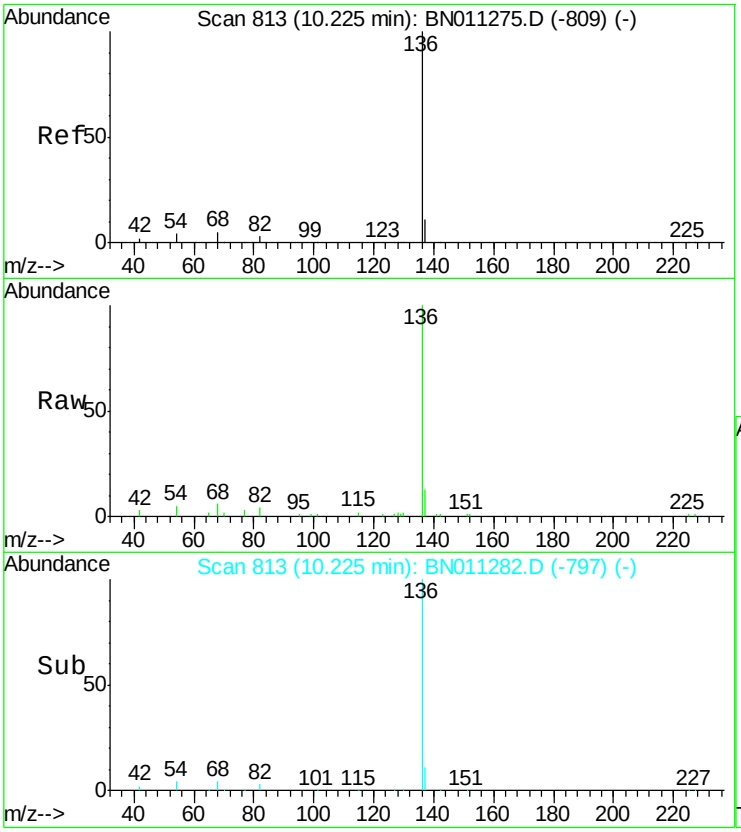


#6
bis(2-Chloroethyl)ether
Concen: 0.354 ng
RT: 6.93 min Scan# 491
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion: 93 Resp: 1733

Ion	Ratio	Lower	Upper
93	100		
63	60.8	47.8	71.6
95	33.8	27.1	40.7



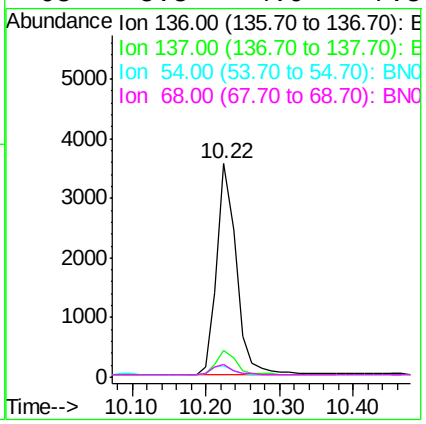


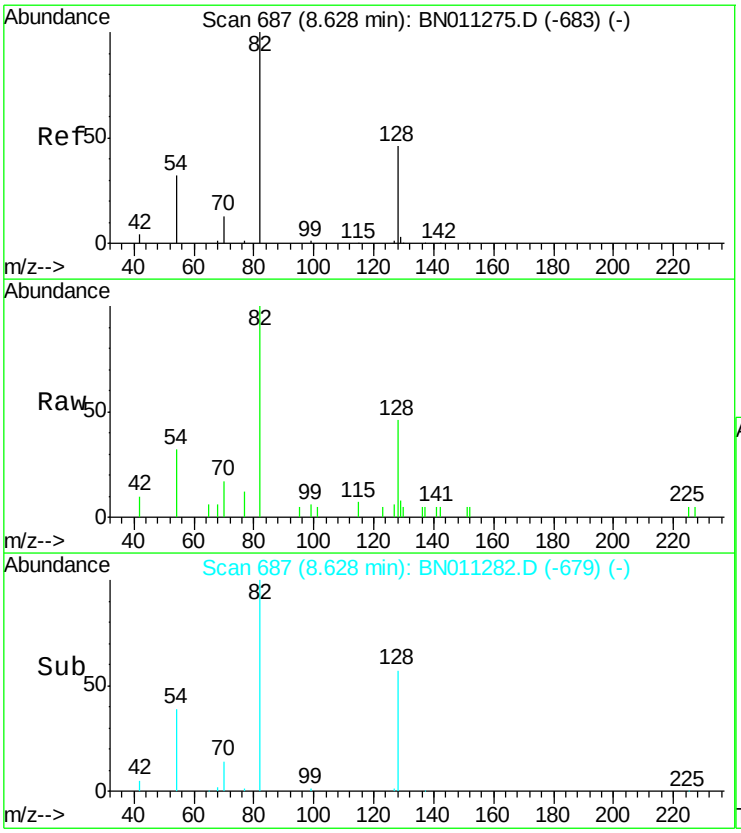
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.22 min Scan# 813
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:136 Resp: 6575

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.9	14.9
54	5.5	4.8	7.2
68	5.8	4.9	7.3

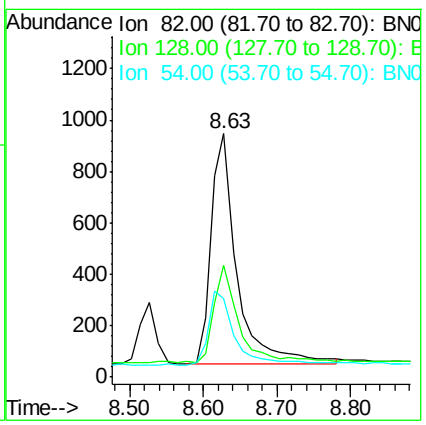


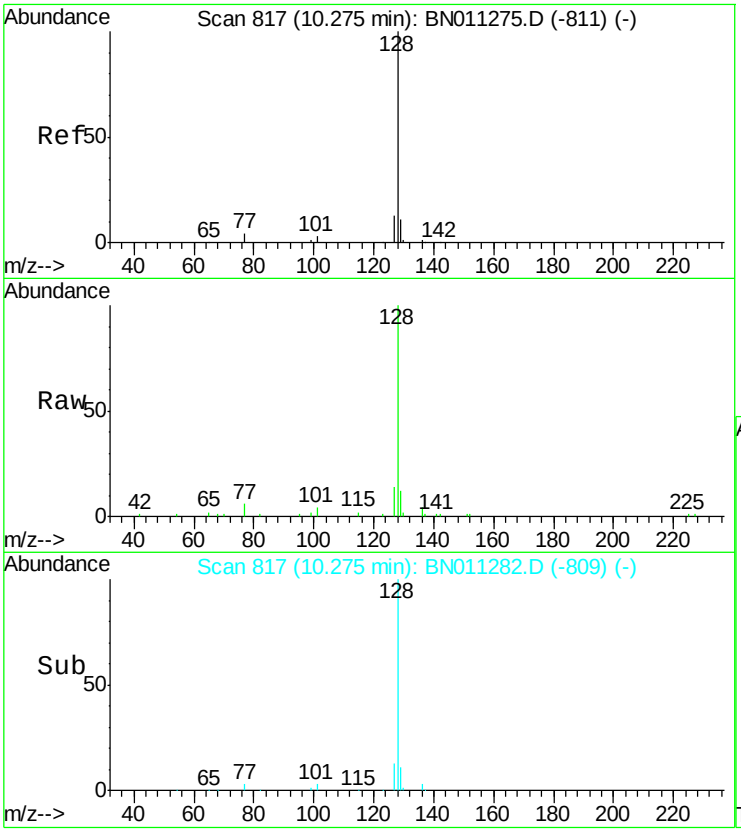


#8
Nitrobenzene-d5
Concen: 0.374 ng
RT: 8.63 min Scan# 687
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion: 82 Resp: 2193

Ion	Ratio	Lower	Upper
82	100		
128	45.9	40.1	60.1
54	32.3	29.0	43.6



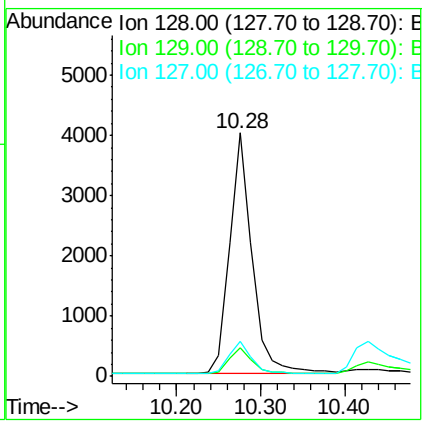


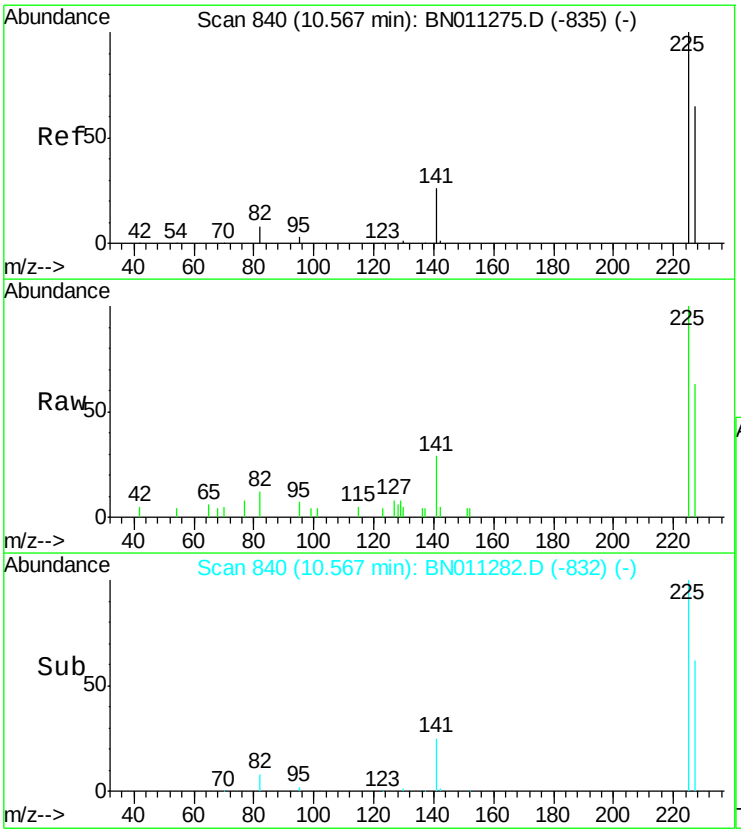
#9
Naphthalene
Concen: 0.378 ng
RT: 10.28 min Scan# 817
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:128 Resp: 7370

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.7	14.5
127	14.4	11.5	17.3

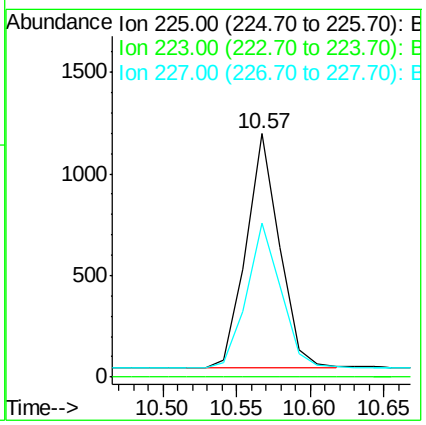


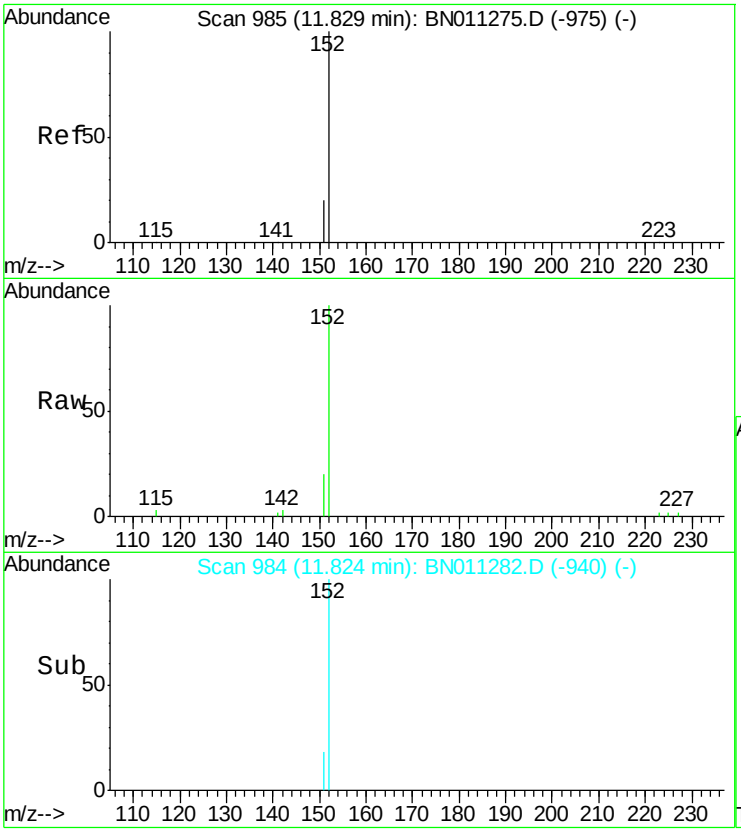


#10
Hexachlorobutadiene
Concen: 0.385 ng
RT: 10.57 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:225 Resp: 1817

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.7	77.5



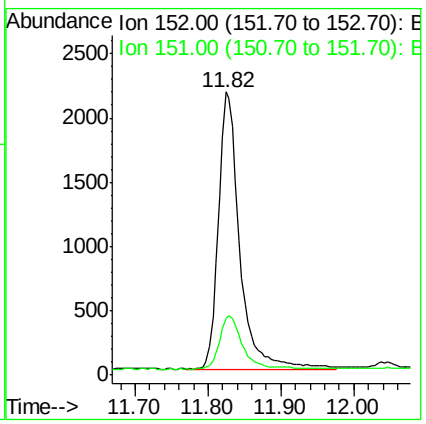


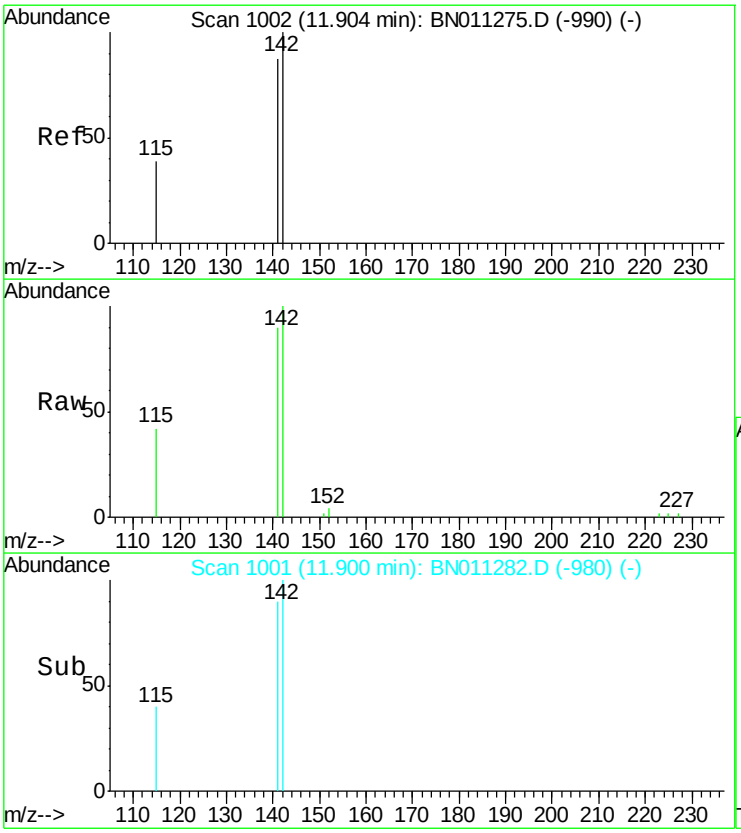
#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 11.82 min Scan# 984
Delta R.T. -0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:152 Resp: 4396

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	24.8

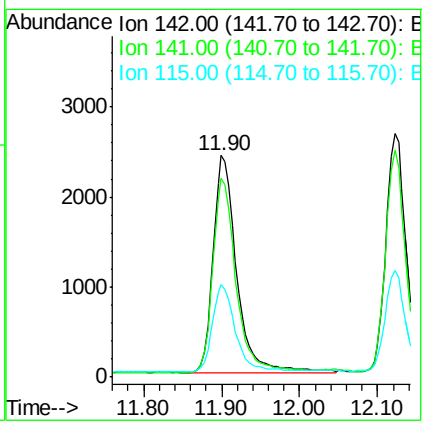


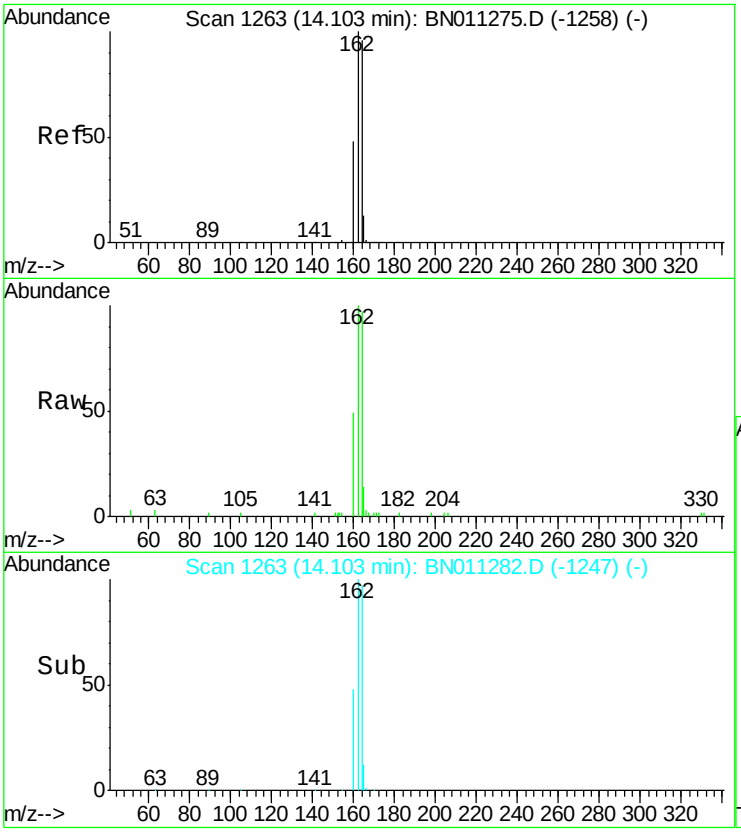


#12
2-Methylnaphthalene
Concen: 0.364 ng
RT: 11.90 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:142 Resp: 5028

Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.6	104.4
115	41.9	32.5	48.7



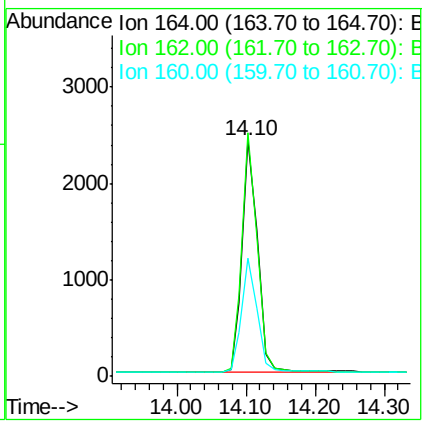


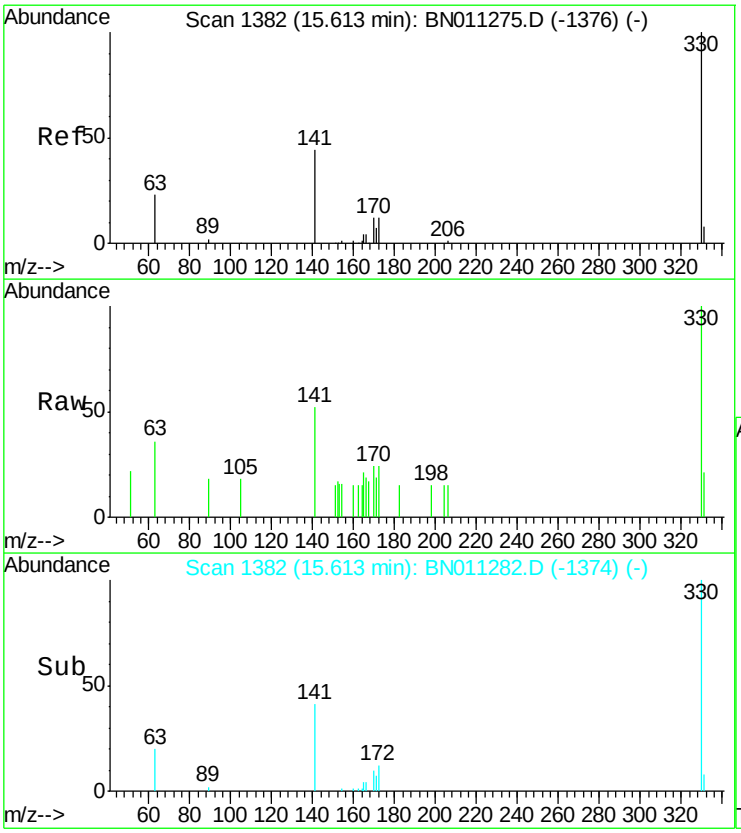
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.10 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:164 Resp: 3724

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.6	125.4
160	50.3	41.2	61.8

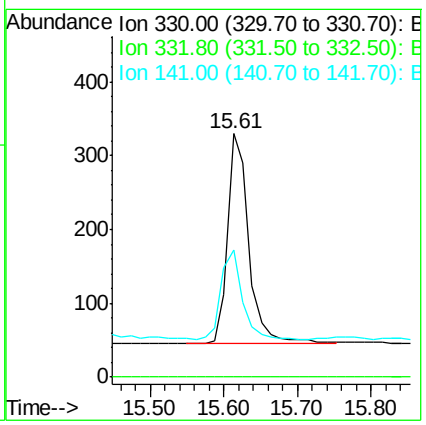


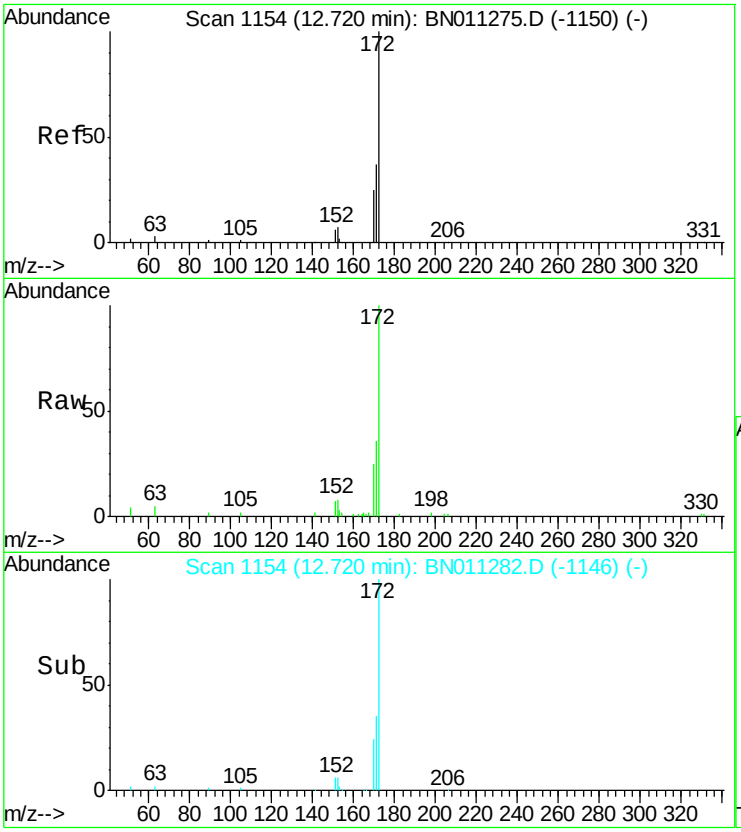


#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.61 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:330 Resp: 574

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.2	34.2	51.2



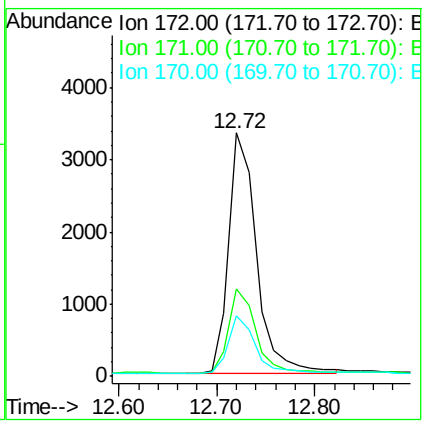


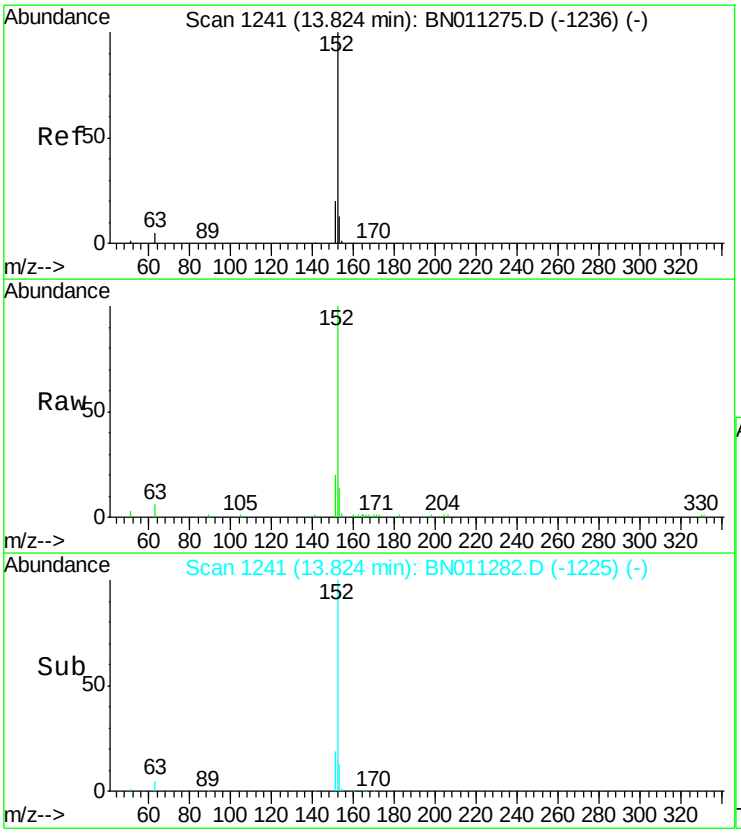
#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.72 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:172 Resp: 6533

Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.6	46.0
170	24.6	21.0	31.4

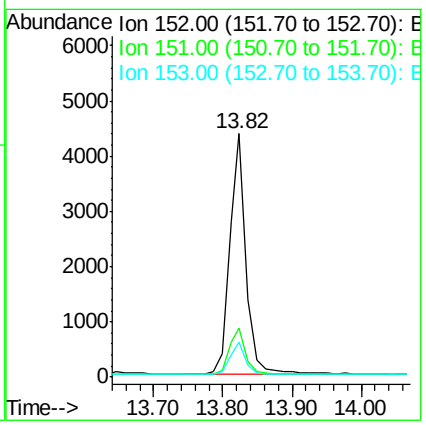


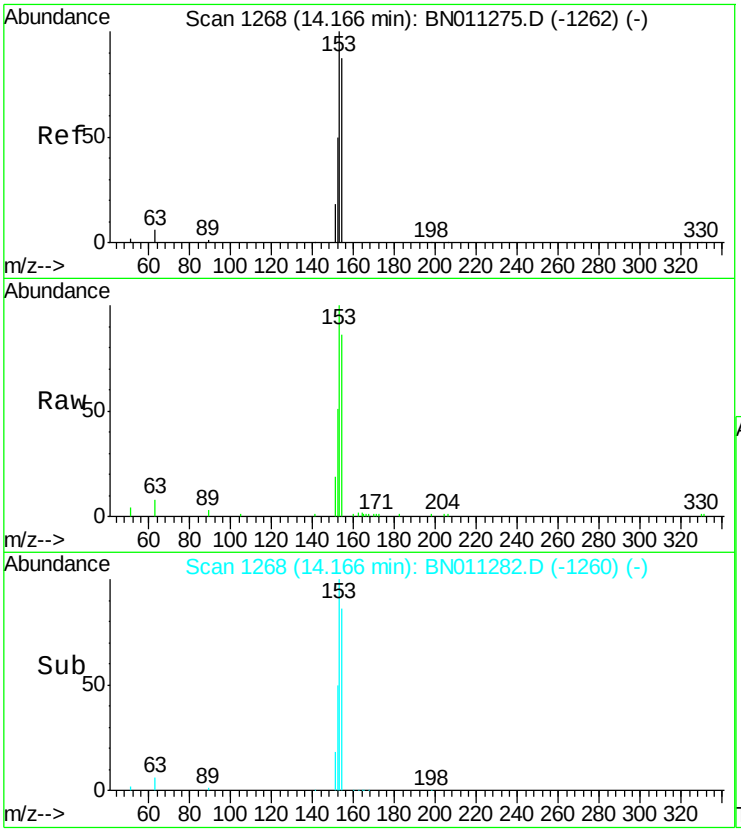


#16
Acenaphthylene
Concen: 0.375 ng
RT: 13.82 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:152 Resp: 7182

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.2	15.4



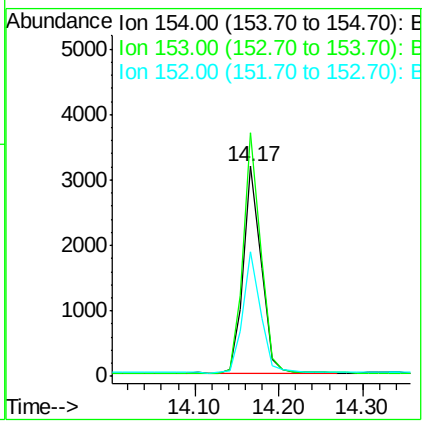


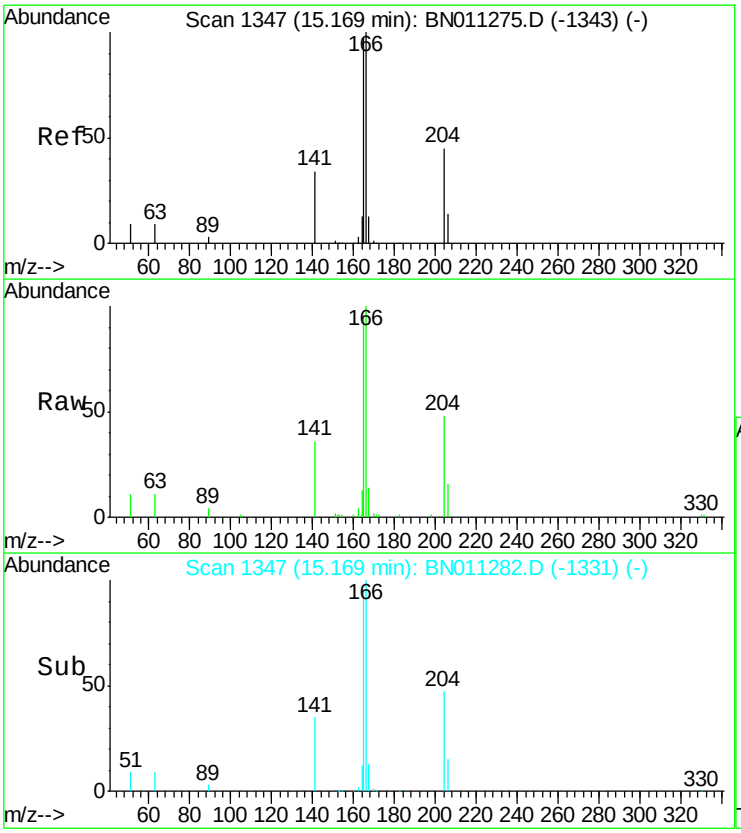
#17
Acenaphthene
Concen: 0.370 ng
RT: 14.17 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:154 Resp: 4631

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.3	136.9
152	58.8	45.8	68.6

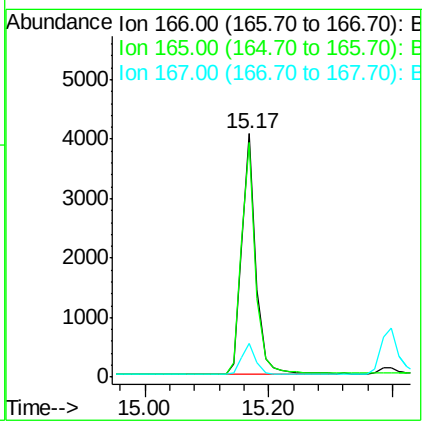


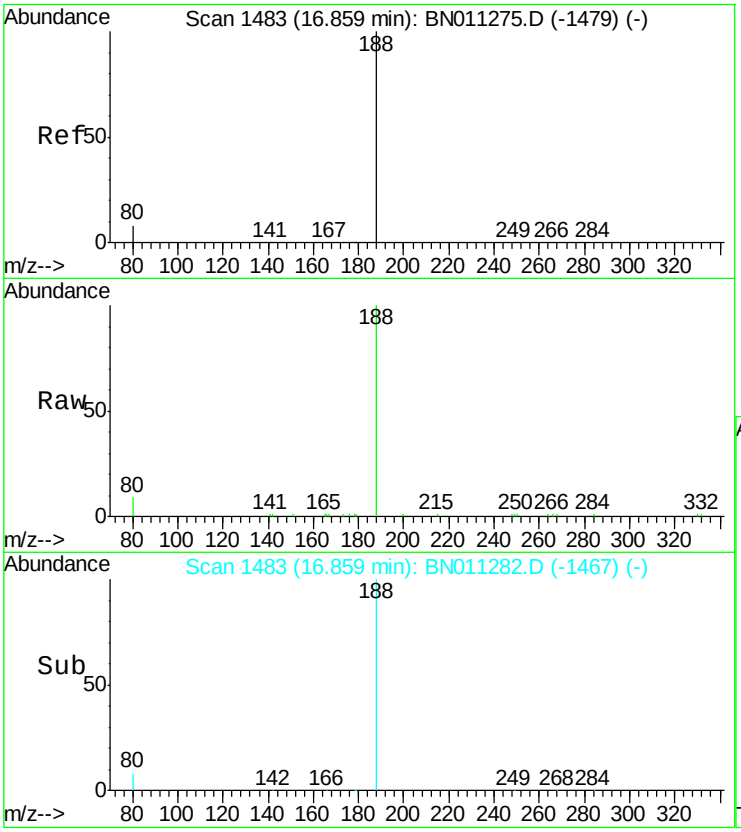


#18
Fluorene
Concen: 0.399 ng
RT: 15.17 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:166 Resp: 6394

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.6	119.4
167	13.3	10.8	16.2



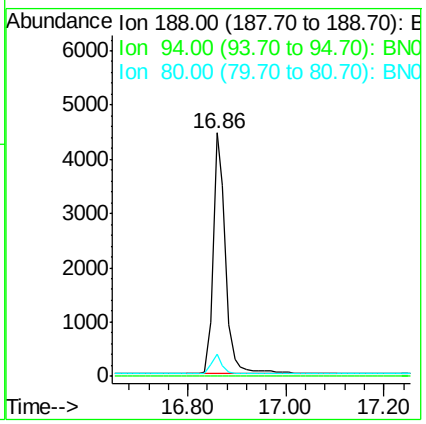


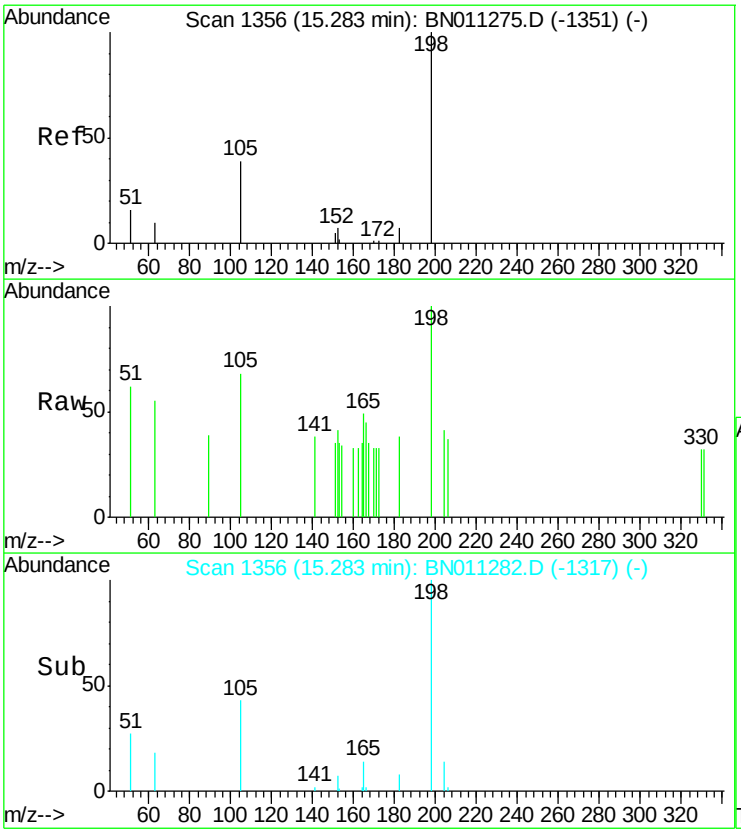
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.86 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:188 Resp: 7804

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	7.4	11.0

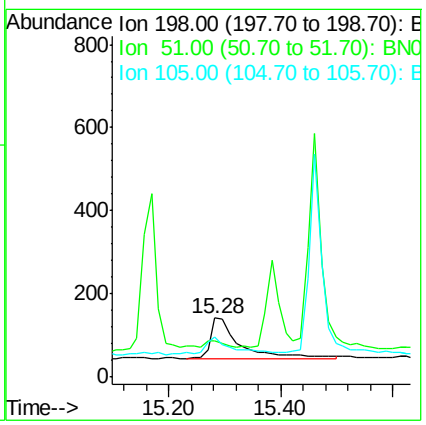


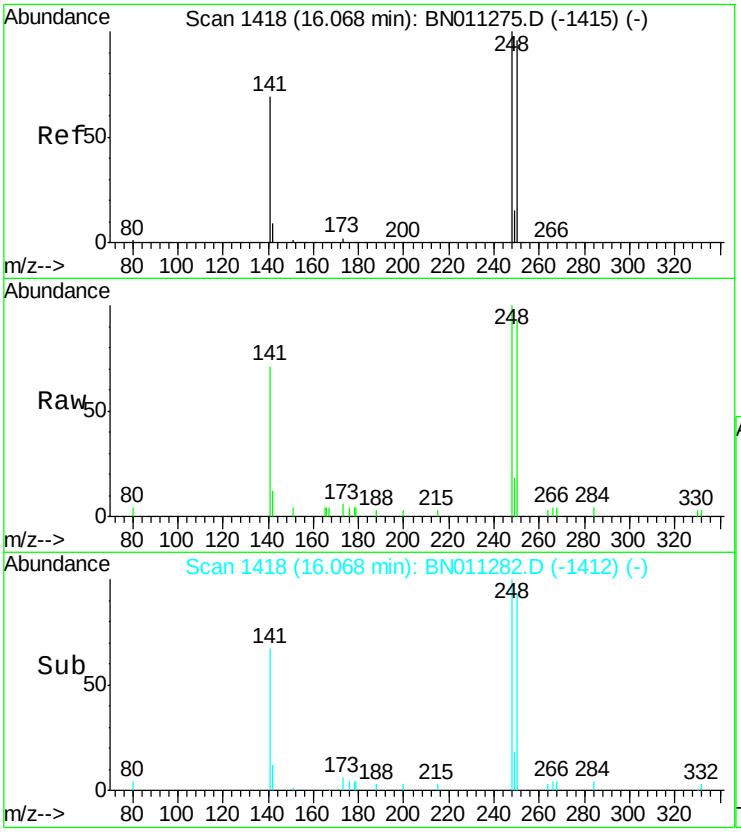


#20
4,6-Dinitro-2-methylphenol
Concen: 0.402 ng
RT: 15.28 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:198 Resp: 341

Ion	Ratio	Lower	Upper
198	100		
51	61.7	49.0	73.6
105	68.1	53.8	80.6



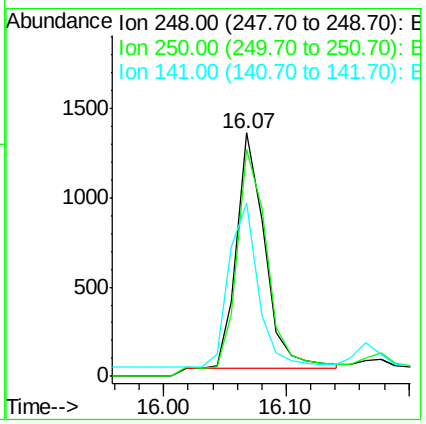


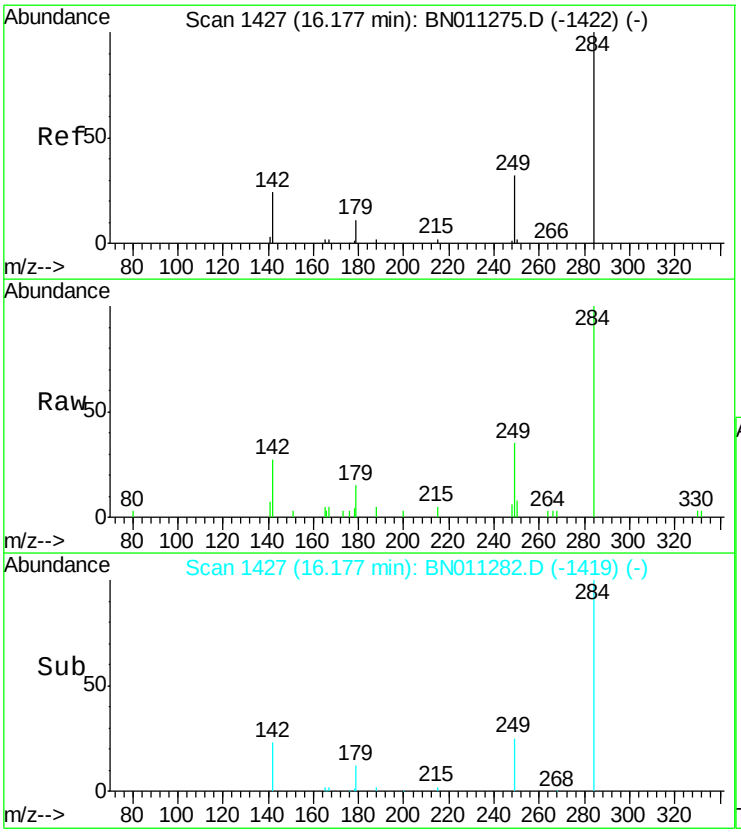
#21
4-Bromophenyl-phenylether
Concen: 0.410 ng
RT: 16.07 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:248 Resp: 2119

Ion	Ratio	Lower	Upper
248	100		
250	93.2	77.2	115.8
141	71.0	56.5	84.7

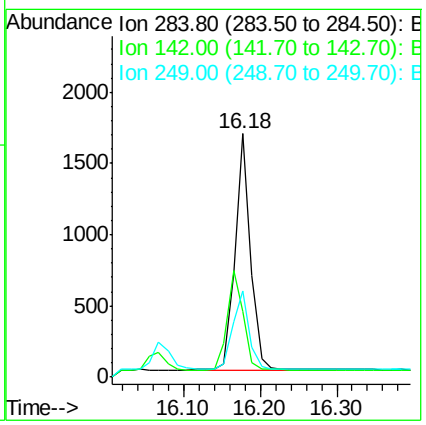


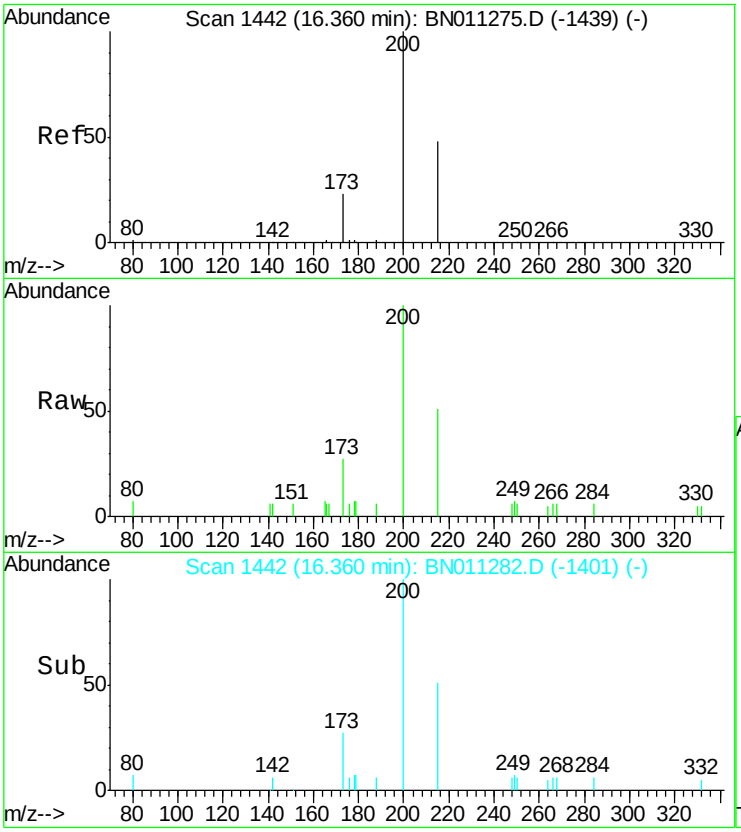


#22
Hexachlorobenzene
Concen: 0.394 ng
RT: 16.18 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:284 Resp: 2311

Ion	Ratio	Lower	Upper
284	100		
142	43.7	32.8	49.2
249	34.8	26.6	40.0



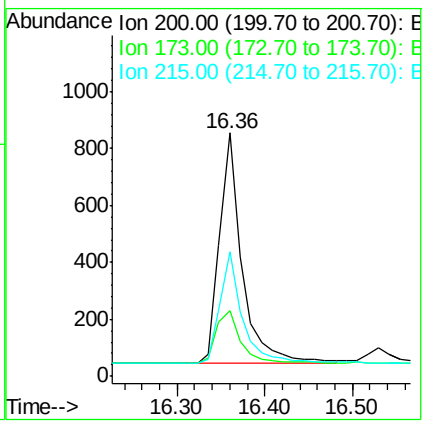


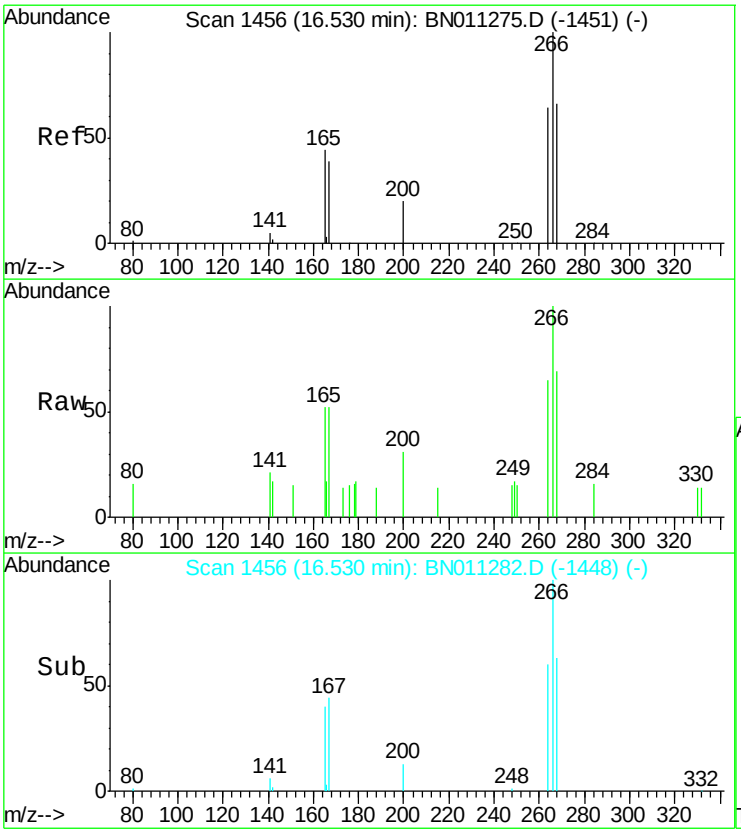
#23
Atrazine
Concen: 0.358 ng
RT: 16.36 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:200 Resp: 1444

Ion	Ratio	Lower	Upper
200	100		
173	27.0	22.0	33.0
215	51.1	41.1	61.7

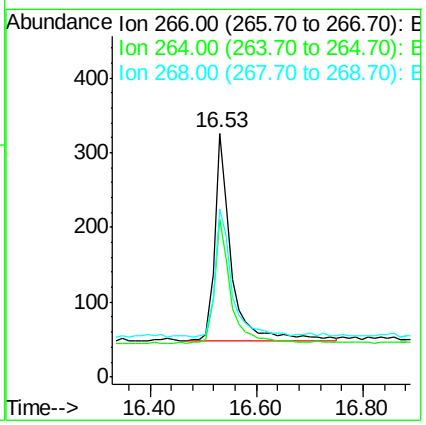


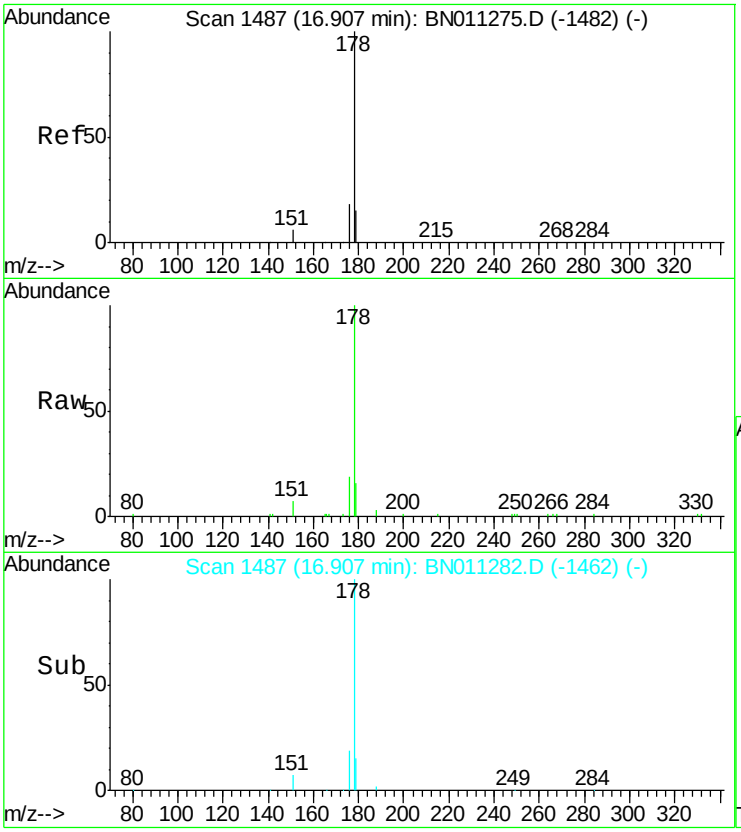


#24
Pentachlorophenol
Concen: 0.322 ng
RT: 16.53 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:266 Resp: 586

Ion	Ratio	Lower	Upper
266	100		
264	59.4	51.1	76.7
268	64.3	55.5	83.3



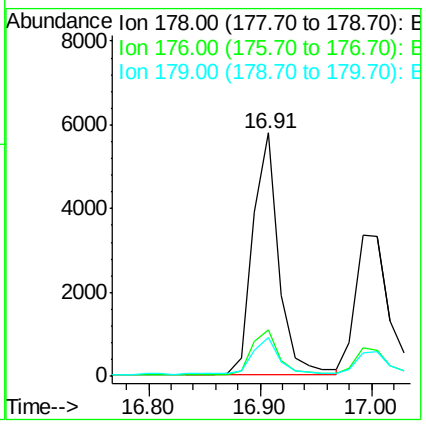


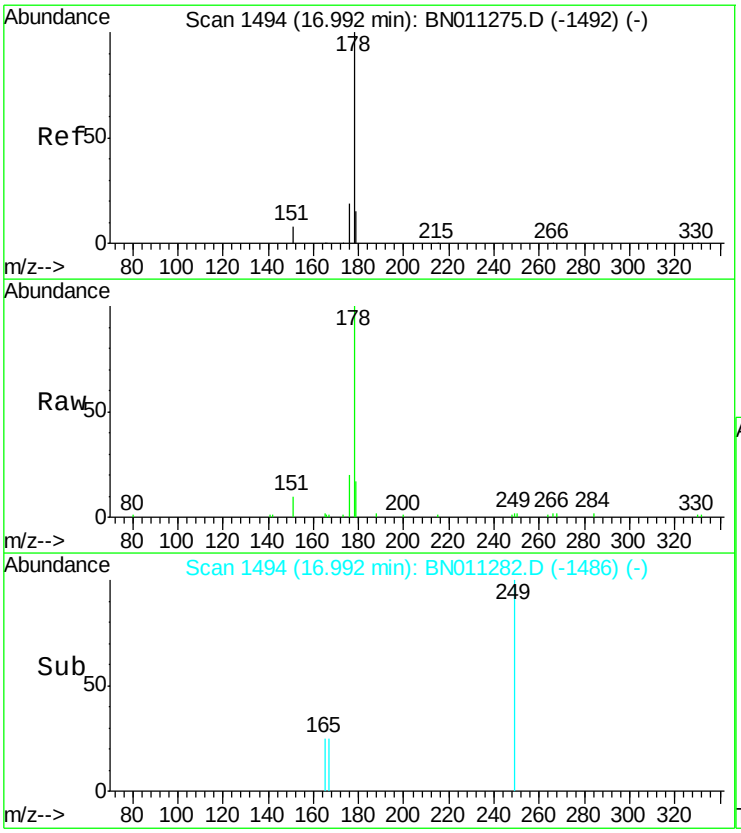
#25
Phenanthrene
Concen: 0.366 ng
RT: 16.91 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:178 Resp: 9285

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.3	12.2	18.4

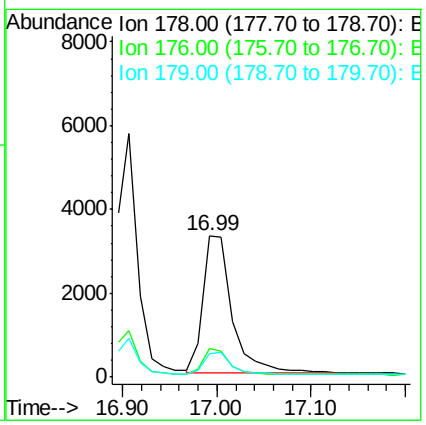


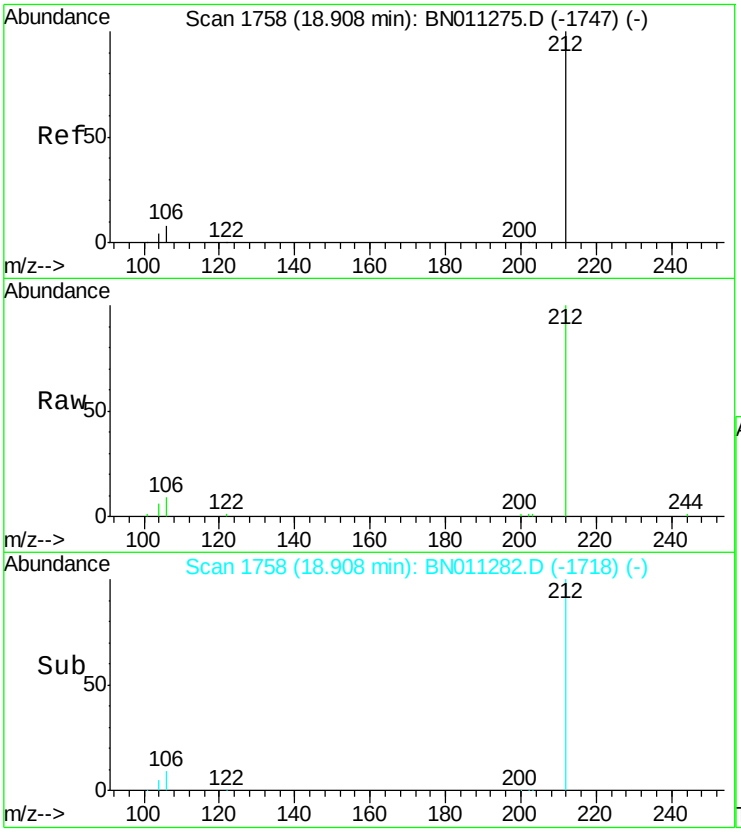


#26
Anthracene
Concen: 0.330 ng
RT: 16.99 min Scan# 1494
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:178 Resp: 6970

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.7	12.1	18.1



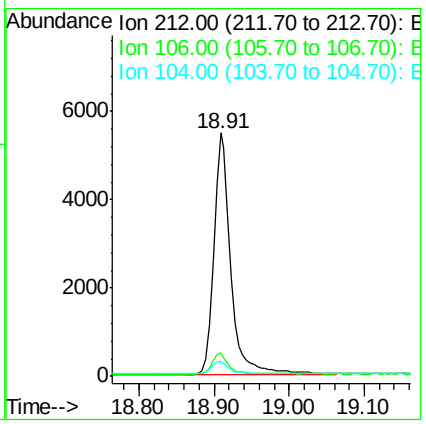


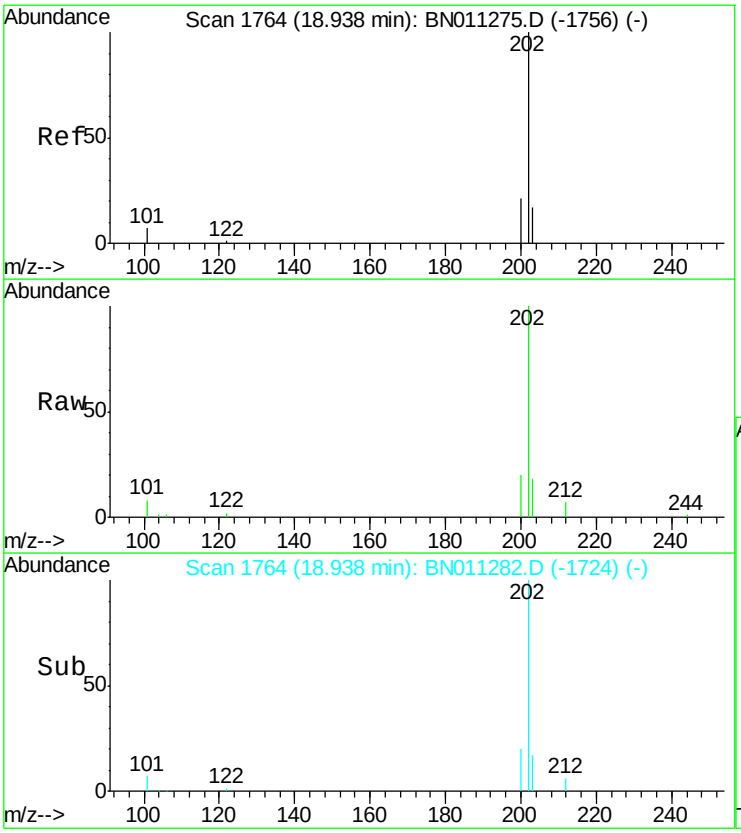
#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 18.91 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:212 Resp: 8713

Ion	Ratio	Lower	Upper
212	100		
106	8.6	6.9	10.3
104	5.3	4.2	6.2

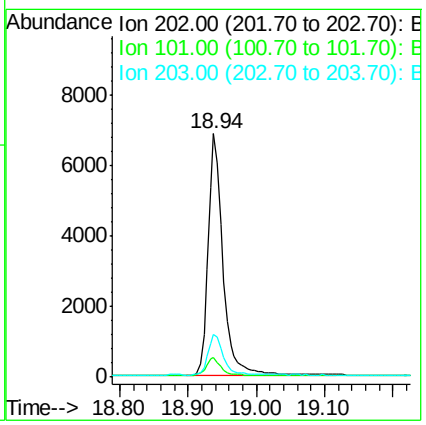


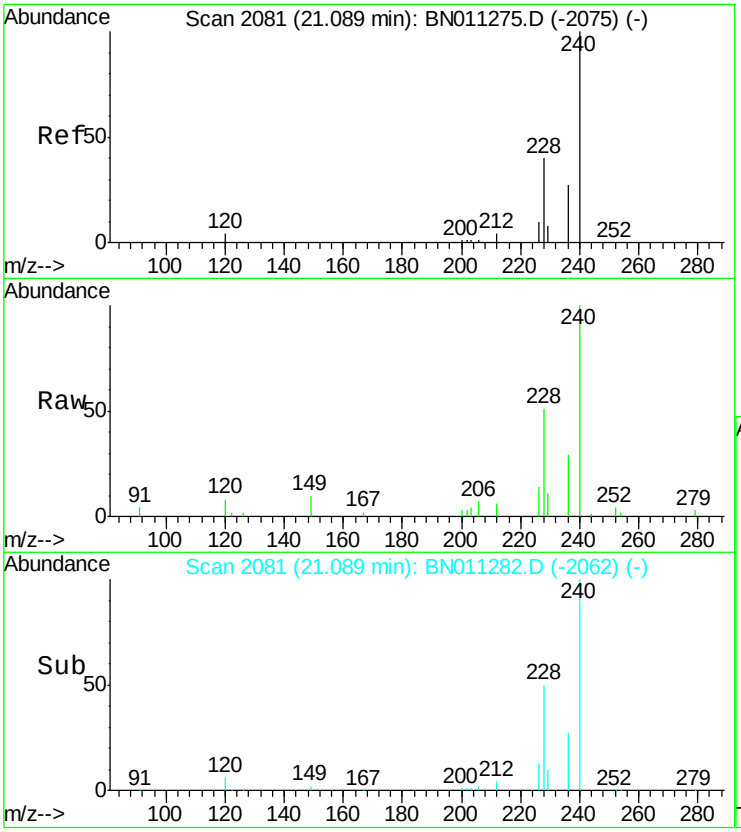


#28
Fluoranthene
Concen: 0.361 ng
RT: 18.94 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:202 Resp: 10427

Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.9	8.9
203	17.1	13.7	20.5



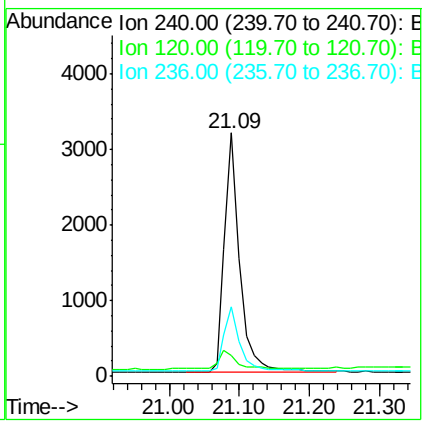


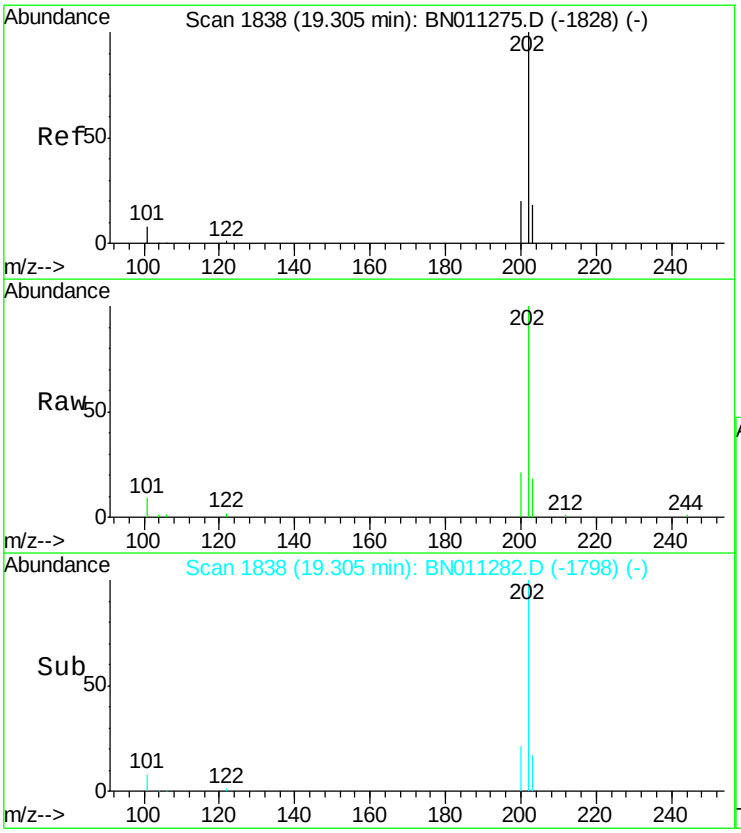
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.09 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:240 Resp: 4885

Ion	Ratio	Lower	Upper
240	100		
120	8.3	5.8	8.8
236	28.8	22.7	34.1

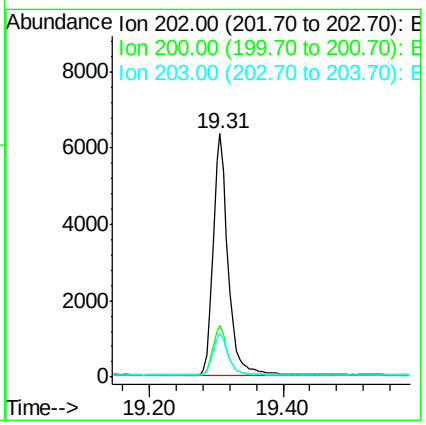


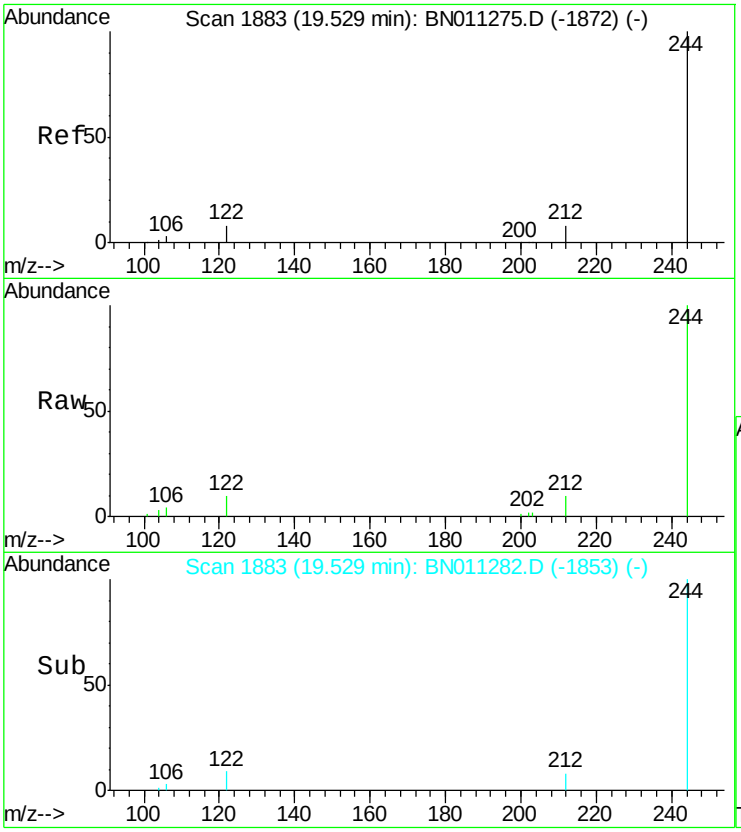


#30
Pyrene
Concen: 0.443 ng
RT: 19.31 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:202 Resp: 9754

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.5	14.1	21.1



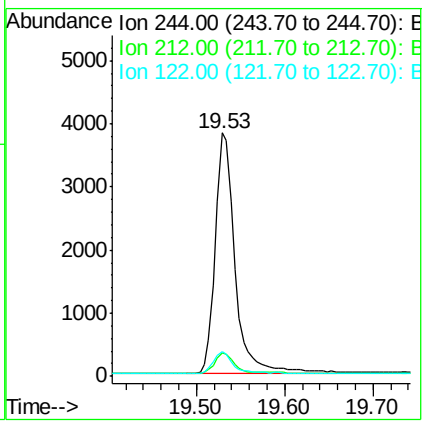


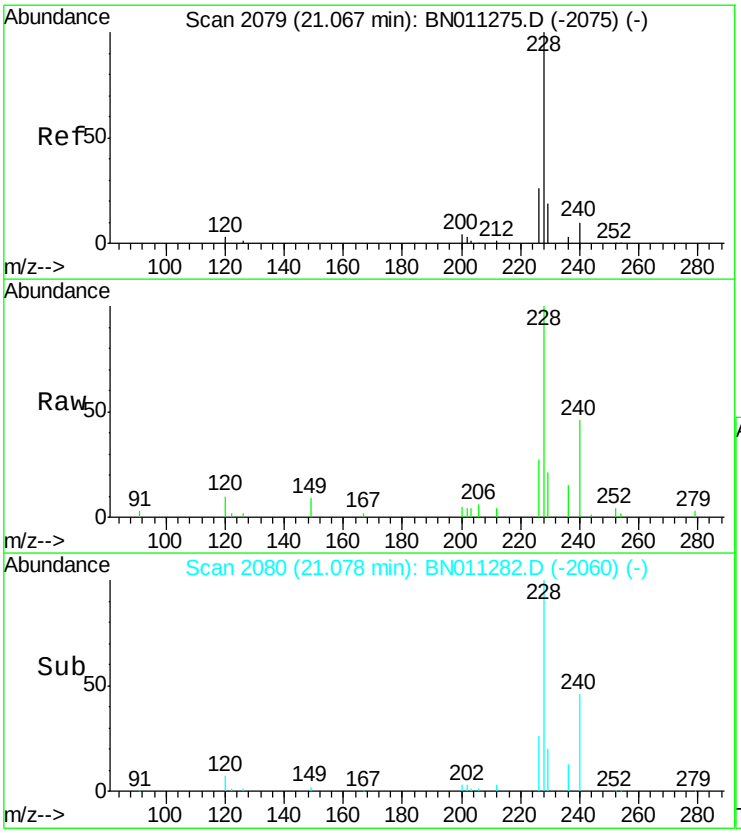
#31
Terphenyl-d14
Concen: 0.402 ng
RT: 19.53 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:244 Resp: 5945

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.6	11.4
122	10.0	7.5	11.3

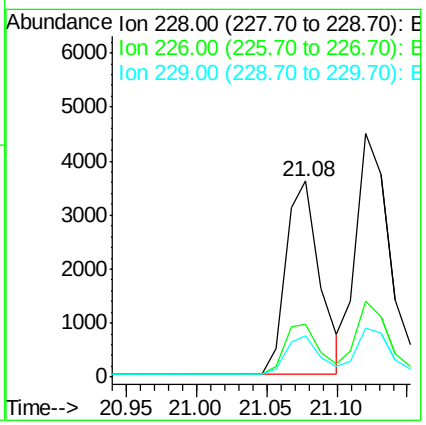


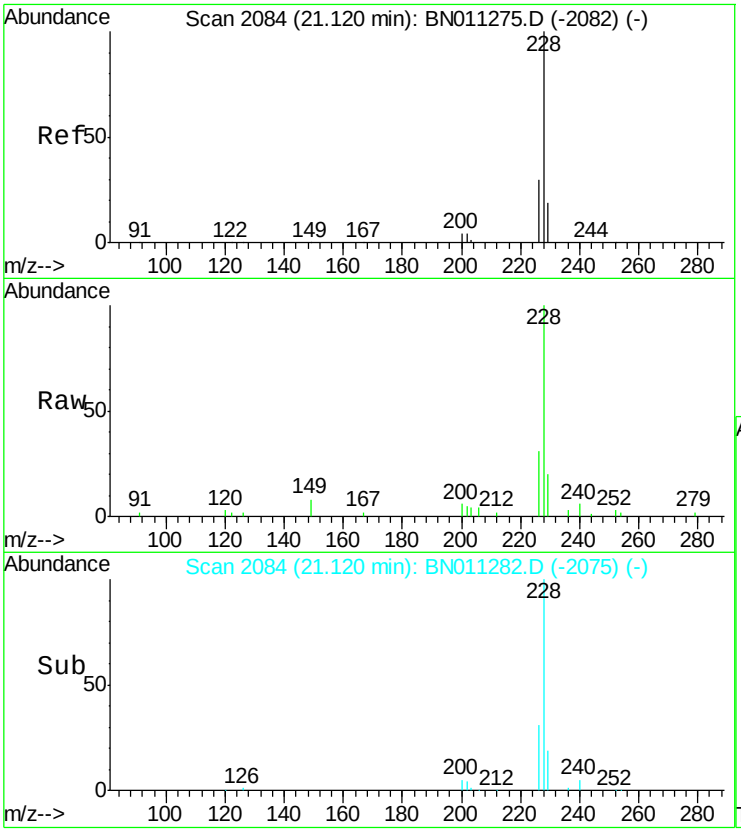


#32
Benzo(a)anthracene
Concen: 0.371 ng
RT: 21.08 min Scan# 2080
Delta R.T. 0.01 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:228 Resp: 6073

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.6	32.4
229	21.3	16.0	24.0



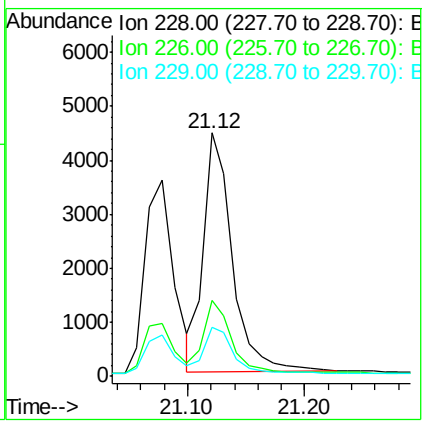


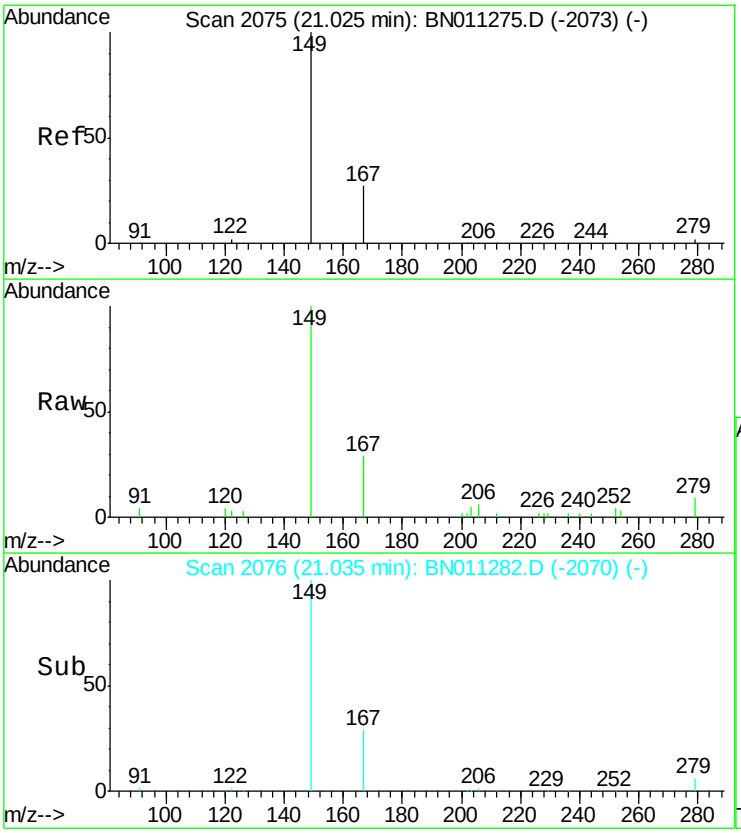
#33
Chrysene
Concen: 0.414 ng
RT: 21.12 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:228 Resp: 7597

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.3	36.5
229	20.3	15.9	23.9

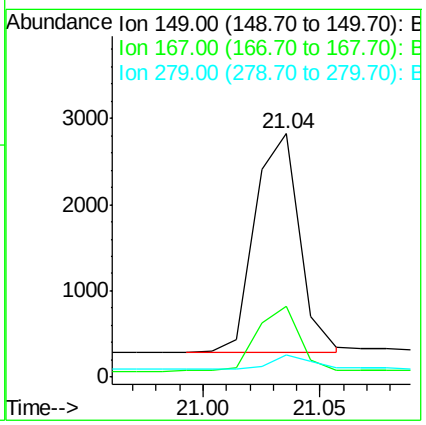


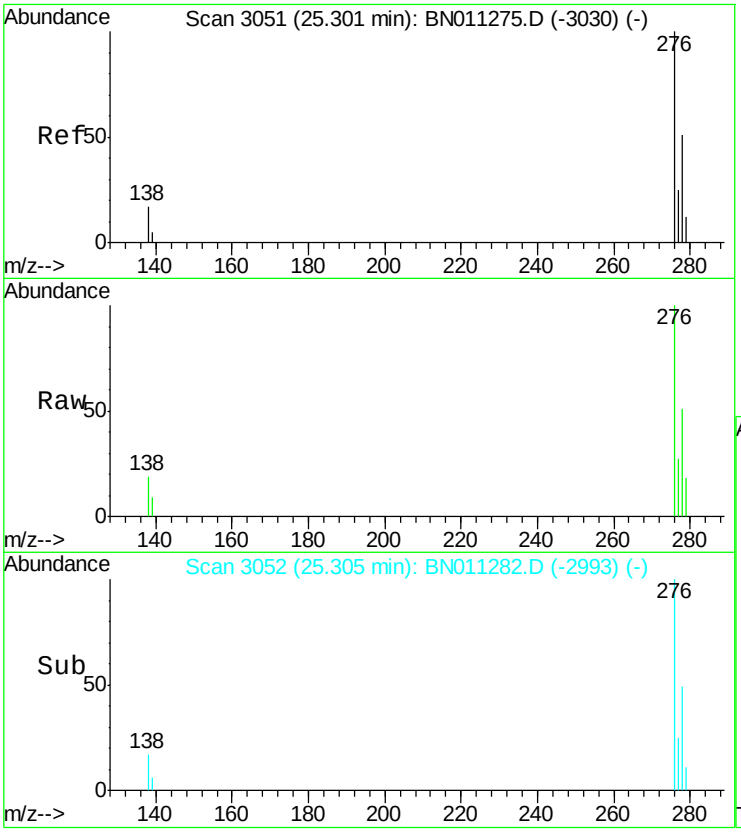


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.383 ng
RT: 21.04 min Scan# 2076
Delta R.T. 0.01 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:149 Resp: 3367

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.7	32.5
279	5.3	3.9	5.9



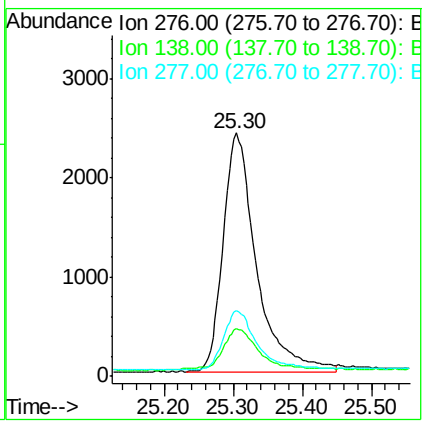


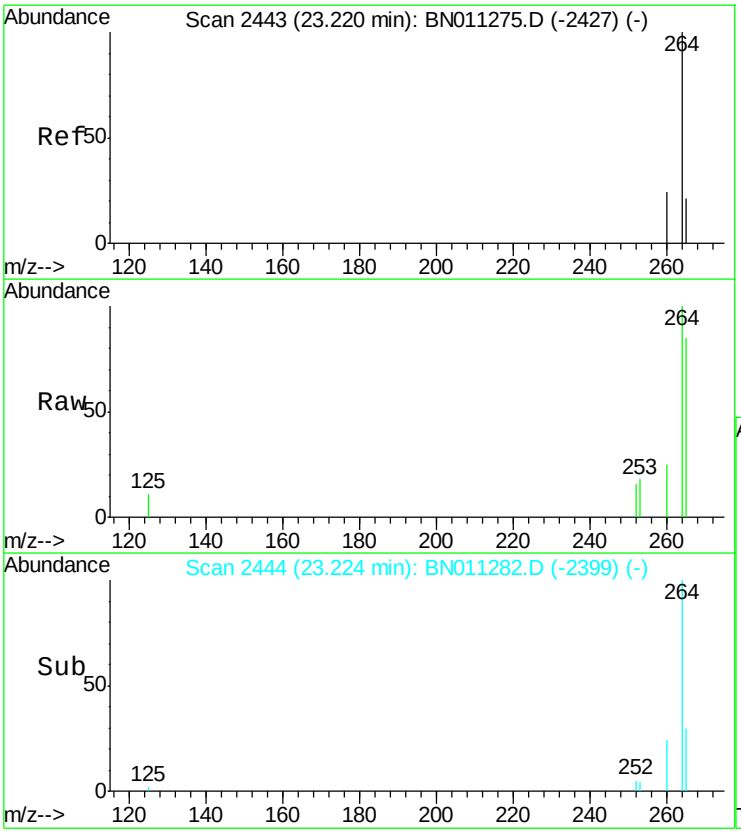
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.448 ng
RT: 25.30 min Scan# 3052
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:276 Resp: 8027

Ion	Ratio	Lower	Upper
276	100		
138	19.2	13.6	20.4
277	25.7	19.7	29.5

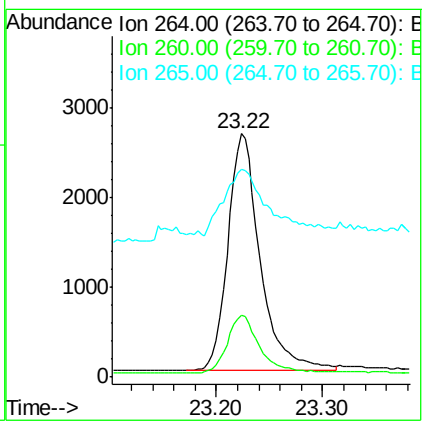


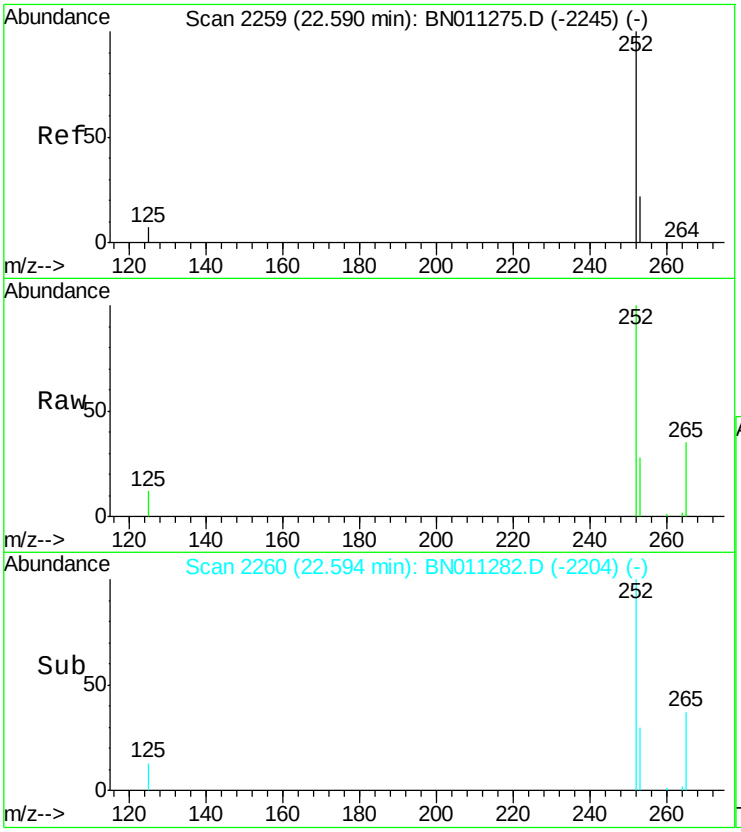


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2444
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:264 Resp: 5539

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	85.5	70.7	106.1



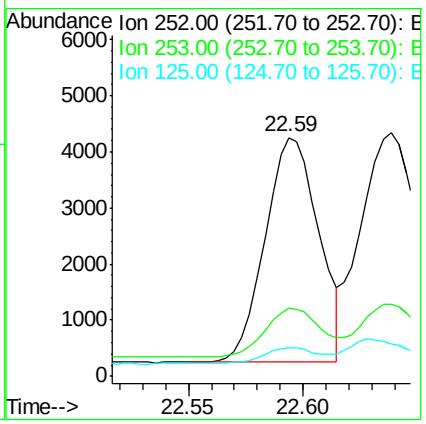


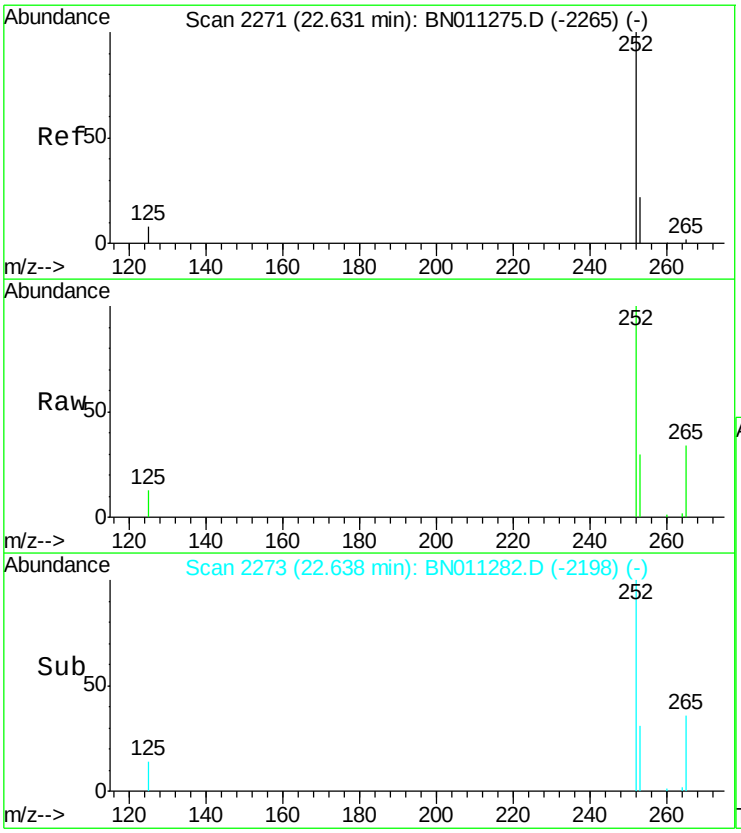
#37
Benzo(b)fluoranthene
Concen: 0.294 ng
RT: 22.59 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:252 Resp: 6496

Ion	Ratio	Lower	Upper
252	100		
253	28.4	23.1	34.7
125	12.0	9.4	14.2

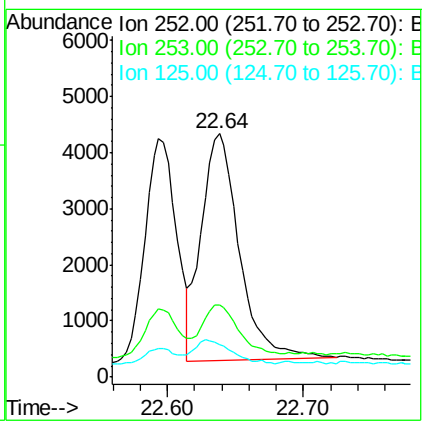


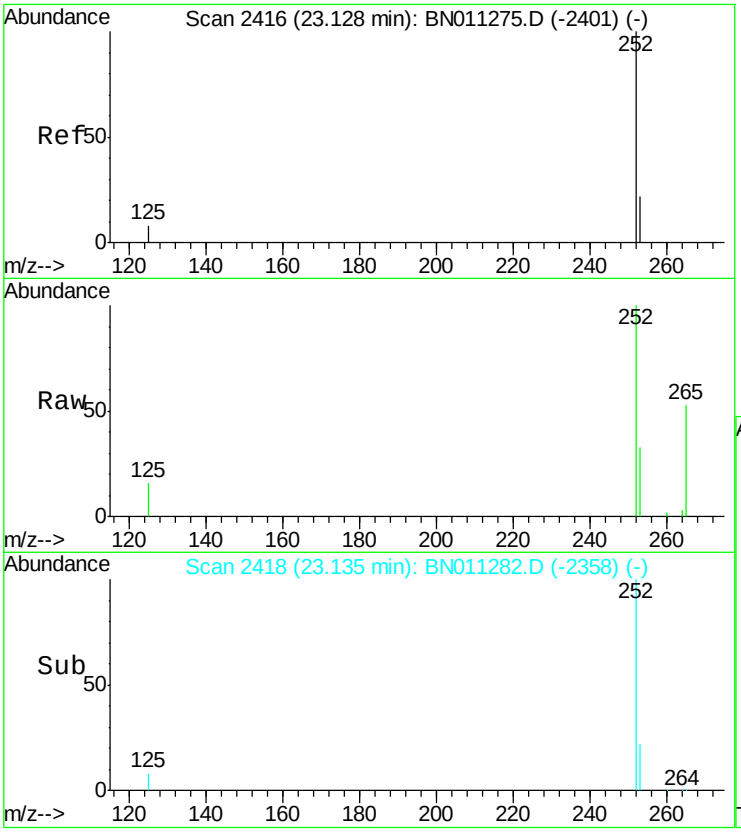


#38
Benzo(k)fluoranthene
Concen: 0.321 ng
RT: 22.64 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:252 Resp: 7813

Ion	Ratio	Lower	Upper
252	100		
253	29.6	22.9	34.3
125	13.4	11.3	16.9



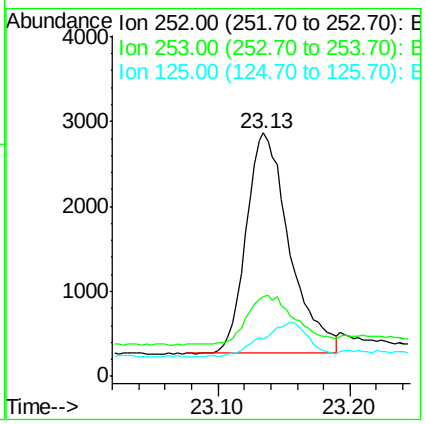


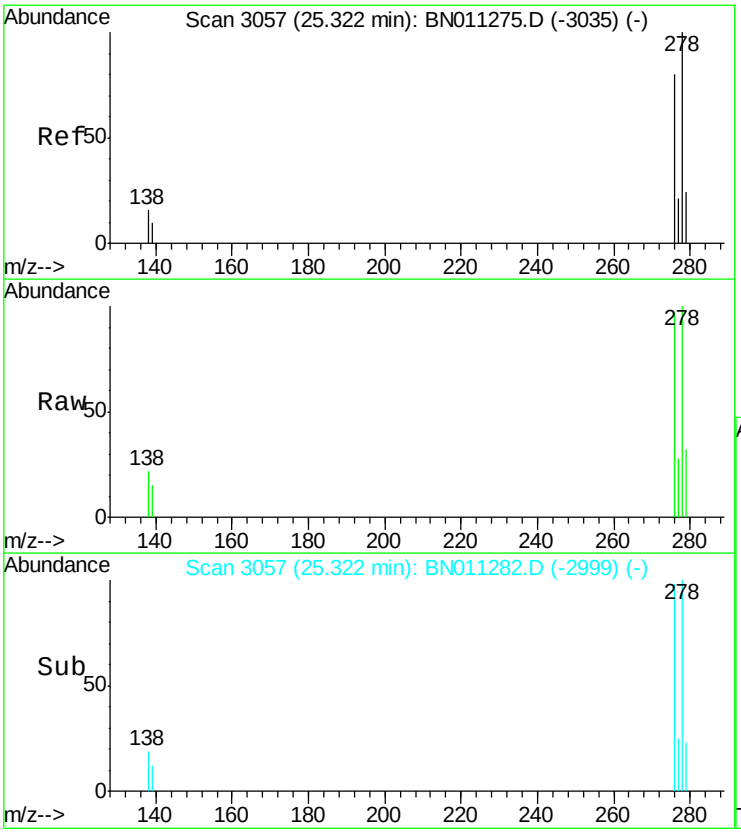
#39
Benzo(a)pyrene
Concen: 0.309 ng
RT: 23.13 min Scan# 2418
Delta R.T. 0.01 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:252 Resp: 5930

Ion	Ratio	Lower	Upper
252	100		
253	32.7	26.6	39.8
125	15.6	12.7	19.1

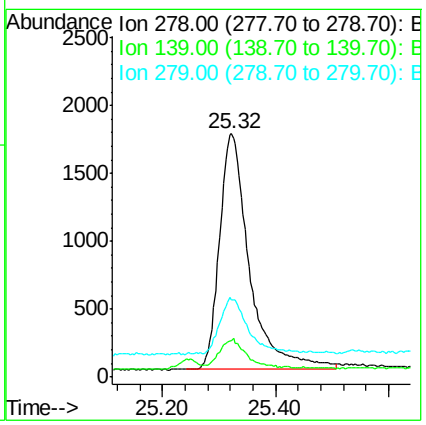


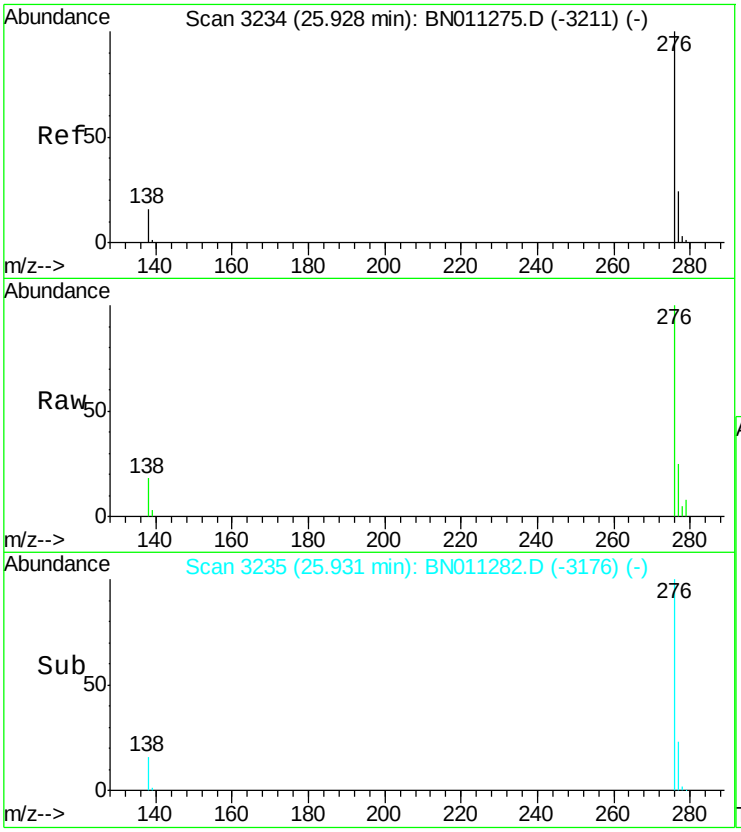


#40
Dibenzo(a,h)anthracene
Concen: 0.323 ng
RT: 25.32 min Scan# 3057
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Tgt Ion:278 Resp: 6404

Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.4	18.6
279	31.8	25.8	38.6





#41
Benzo(g,h,i)perylene
Concen: 0.360 ng
RT: 25.93 min Scan# 3235
Delta R.T. 0.00 min
Lab File: BN011282.D
Acq: 28 Jul 2020 16:18

Instrument :
BNA_N
ClientSampleId :
PB130451BS

Tgt Ion:276 Resp: 7922

Ion	Ratio	Lower	Upper
276	100		
277	25.1	21.0	31.6
138	18.1	15.0	22.6