Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
Data File : BN011615.D
Acq On : 25 Aug 2020 14:48
Operator : CG/JU
Sample : L3768-05MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CS-3MS

Quant Time: Aug 25 15:23:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 25 03:31:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	3548	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	14802	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	9137	0.40	ng		0.00
19) Phenanthrene-d10	17.14	188	19927	0.40	ng		0.00
29) Chrysene-d12	21.33	240	20360	0.40	ng		0.00
36) Perylene-d12	23.60	264	23801	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	5201	0.46	ng		0.00
5) Phenol-d6	6.92	99	7039	0.44	ng		0.00
8) Nitrobenzene-d5	8.89	82	7249	0.57	ng		-0.01
11) 2-Methylnaphthalene-d10	12.14	152	9284	0.33	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1849	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	20138	0.57	ng		0.00
27) Fluoranthene-d10	19.17	212	20017	0.31	ng		0.00
31) Terphenyl-d14	19.78	244	32220	0.62	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	1387	0.252	ng	#	1
3) n-Nitrosodimethylamine	3.60	42	1947	0.336	ng	#	90
6) bis(2-Chloroethyl)ether	7.18	93	3717	0.326	ng		96
9) Naphthalene	10.59	128	13088	0.311	ng	#	94
10) Hexachlorobutadiene	10.88	225	2571	0.292	ng	#	99
12) 2-Methylnaphthalene	12.21	142	9476	0.305	ng		97
16) Acenaphthylene	14.11	152	14171	0.294	ng		99
17) Acenaphthene	14.45	154	8888	0.291	ng		96
18) Fluorene	15.44	166	11471	0.290	ng		98
20) 4,6-Dinitro-2-methylphenol	15.52	198	639	0.278	ng	#	37
21) 4-Bromophenyl-phenylether	16.34	248	3342	0.287	ng	#	68
22) Hexachlorobenzene	16.45	284	3988	0.297	ng		99
23) Atrazine	16.61	200	2849	0.248	ng	#	92
24) Pentachlorophenol	16.79	266	2228	0.376	ng		93
25) Phenanthrene	17.18	178	18900	0.305	ng		100
26) Anthracene	17.26	178	18056	0.296	ng		99
28) Fluoranthene	19.20	202	22623	0.302	ng		100
30) Pyrene	19.57	202	23544	0.326	ng		99
32) Benzo(a)anthracene	21.32	228	24353	0.332	ng		99
33) Chrysene	21.36	228	23421	0.335	ng		99
34) Bis(2-ethylhexyl)phthalate	21.27	149	15360	0.286	ng		95
35) Indeno(1,2,3-cd)pyrene	25.87	276	31382	0.367	ng	#	100
37) Benzo(b)fluoranthene	22.91	252	26478	0.307	ng		98
38) Benzo(k)fluoranthene	22.96	252	25526	0.298	ng		98
39) Benzo(a)pyrene	23.50	252	23566	0.293	ng		96
40) Dibenzo(a,h)anthracene	25.89	278	26264	0.313	ng		96
41) Benzo(g,h,i)perylene	26.57	276	26884	0.330	ng		97

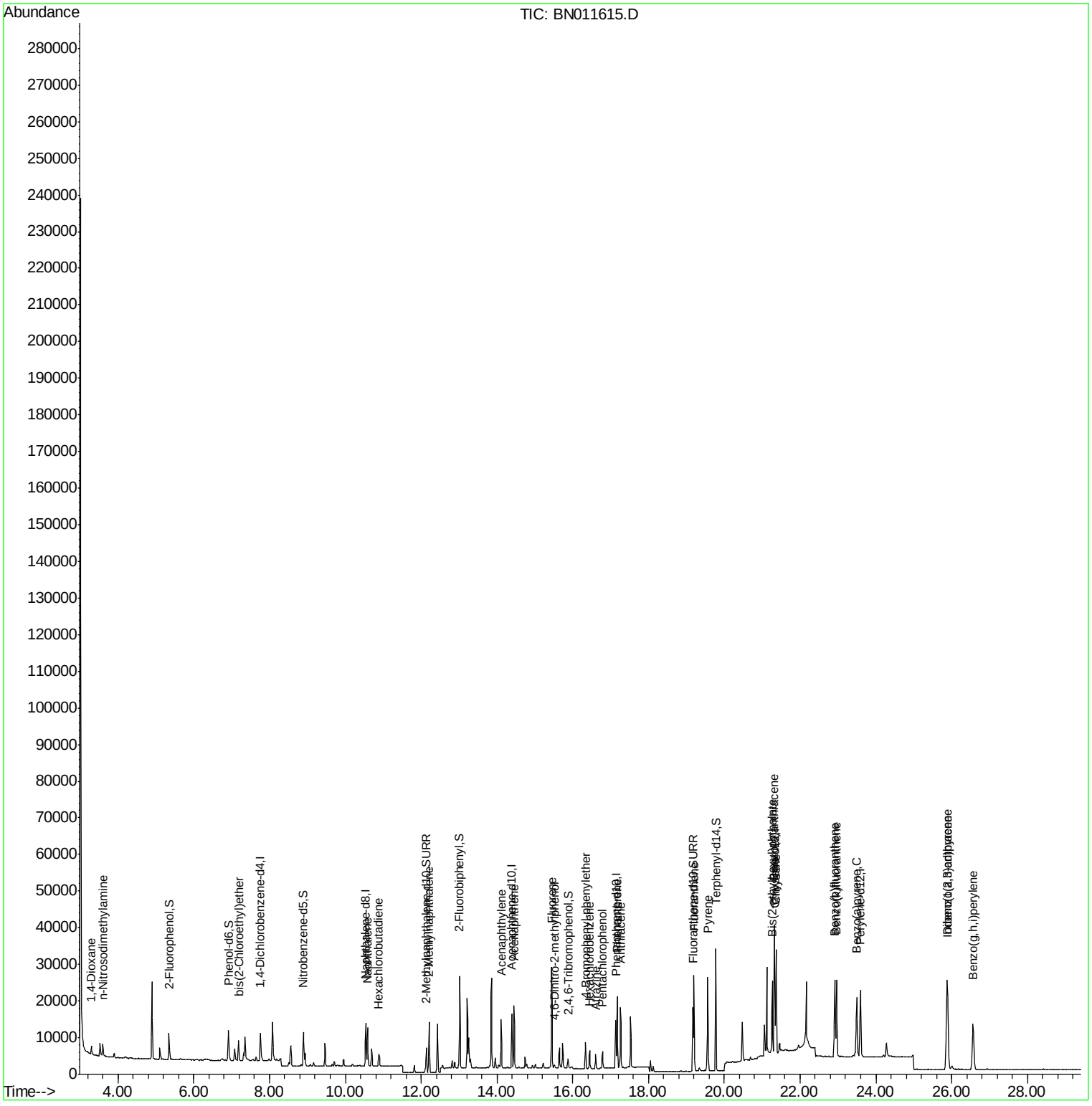
(#) = qualifier out of range (m) = manual integration (+) = signals summed

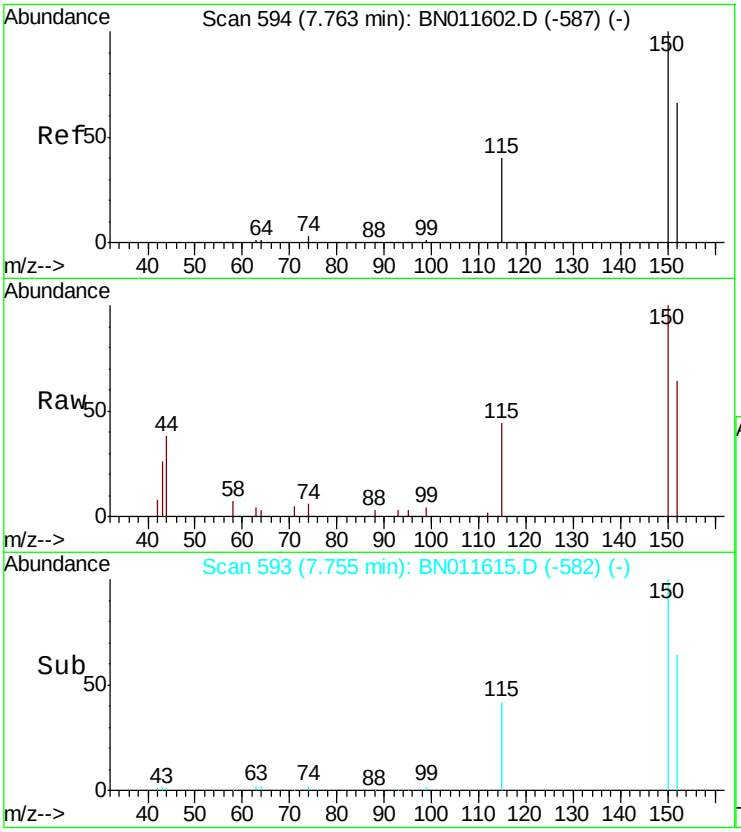
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
Data File : BN011615.D
Acq On : 25 Aug 2020 14:48
Operator : CG/JU
Sample : L3768-05MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Quant Time: Aug 25 15:23:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 25 03:31:11 2020
Response via : Initial Calibration



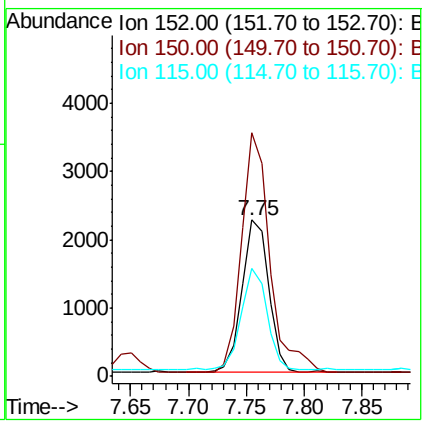


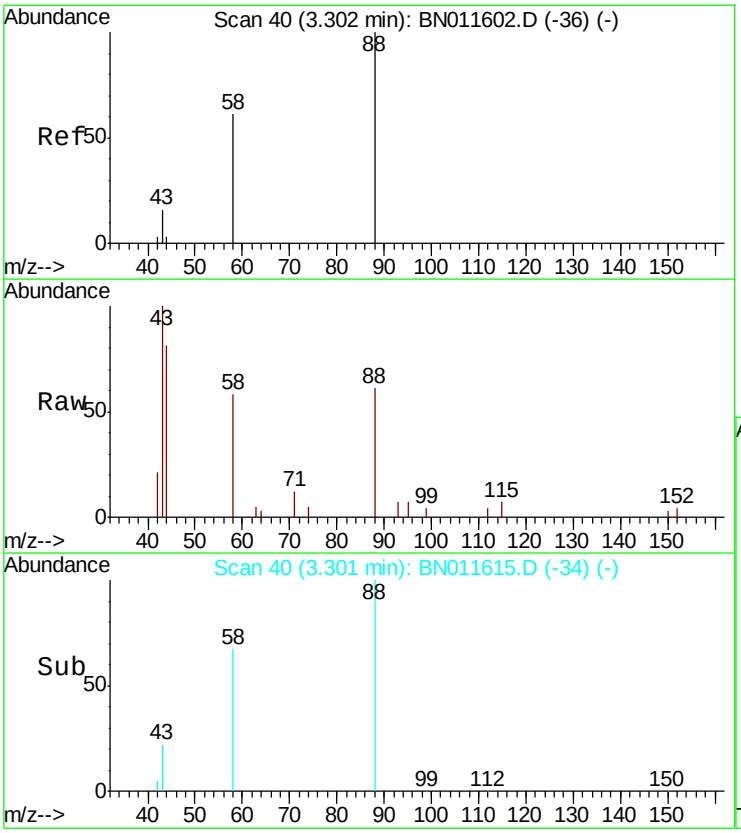
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:152 Resp: 3548

Ion	Ratio	Lower	Upper
152	100		
150	155.8	112.4	168.6
115	68.7	56.9	85.3

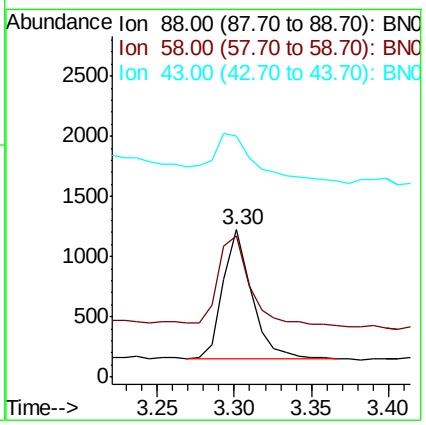


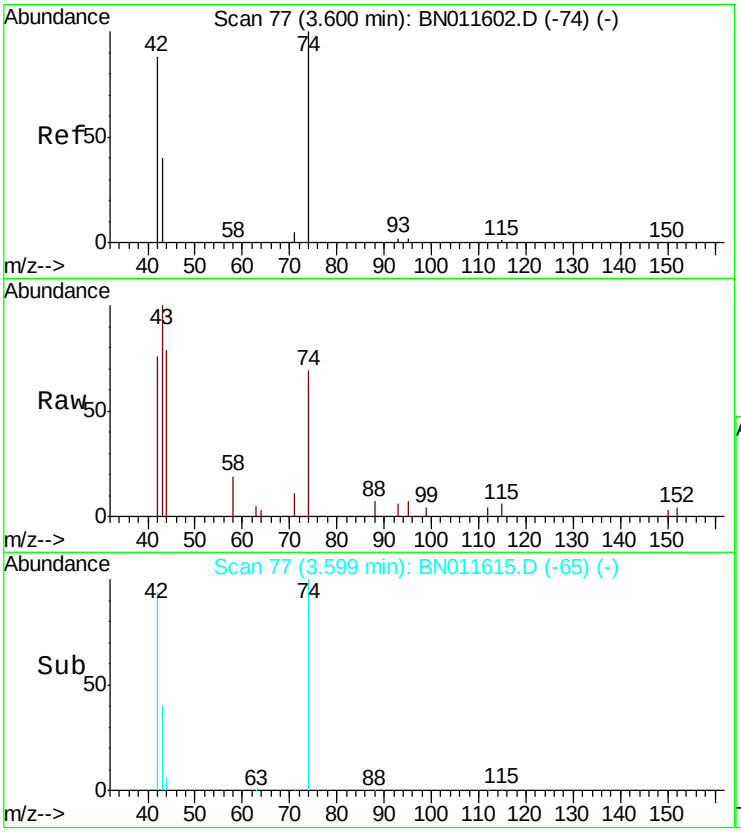


#2
1,4-Dioxane
Concen: 0.252 ng
RT: 3.30 min Scan# 40
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion: 88 Resp: 1387

Ion	Ratio	Lower	Upper
88	100		
58	76.0	3.0	4.4#
43	54.6	0.0	0.0#



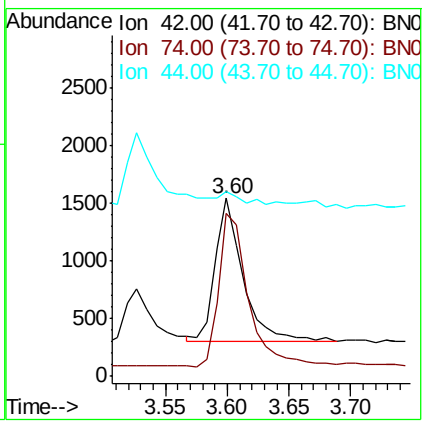


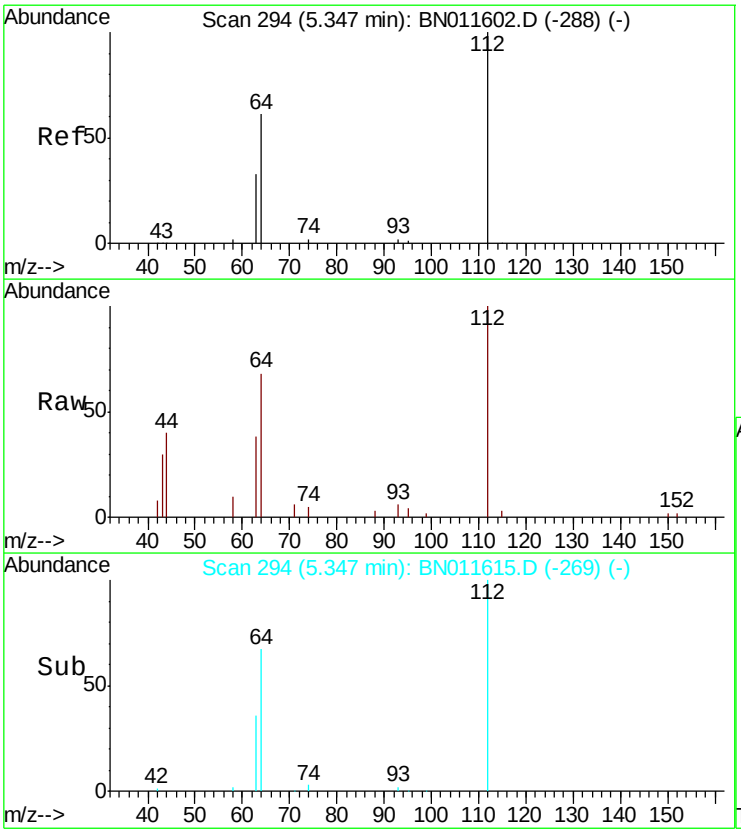
#3
n-Nitrosodimethylamine
Concen: 0.336 ng
RT: 3.60 min Scan# 77
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion: 42 Resp: 1947

Ion	Ratio	Lower	Upper
42	100		
74	112.9	0.0	0.0#
44	6.5	8.2	12.4#

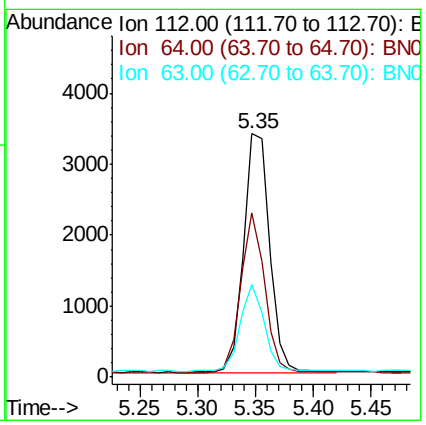


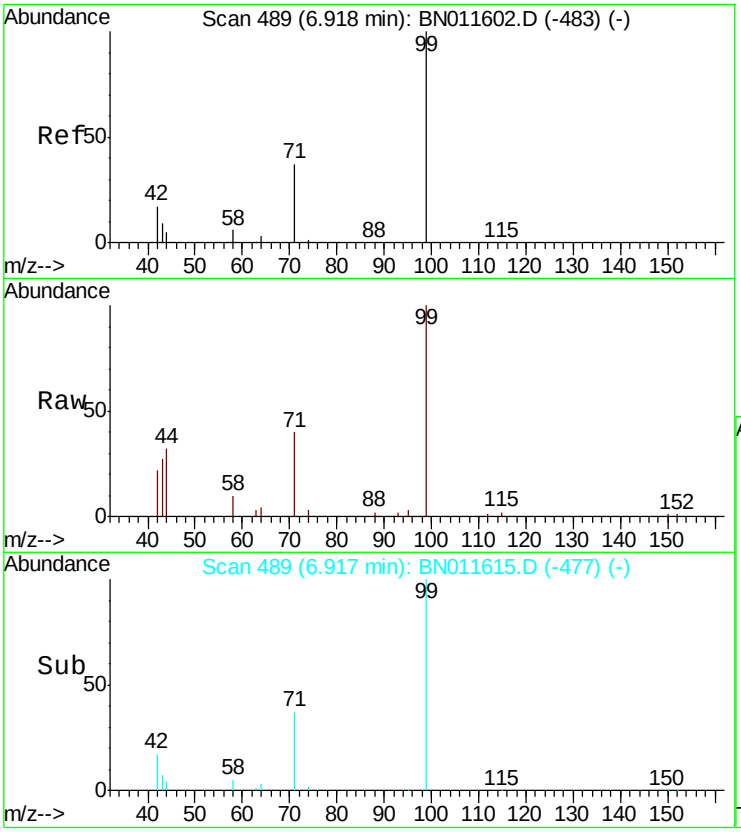


#4
2-Fluorophenol
Concen: 0.458 ng
RT: 5.35 min Scan# 294
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:112 Resp: 5201

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.6	74.4
63	33.7	26.4	39.6



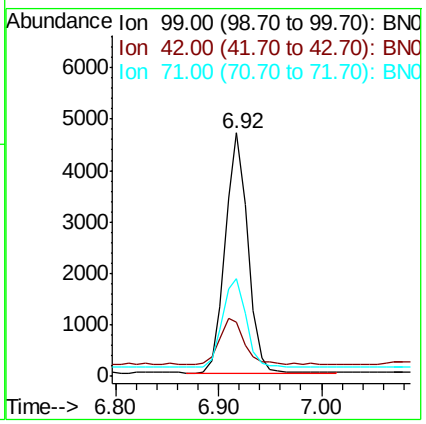


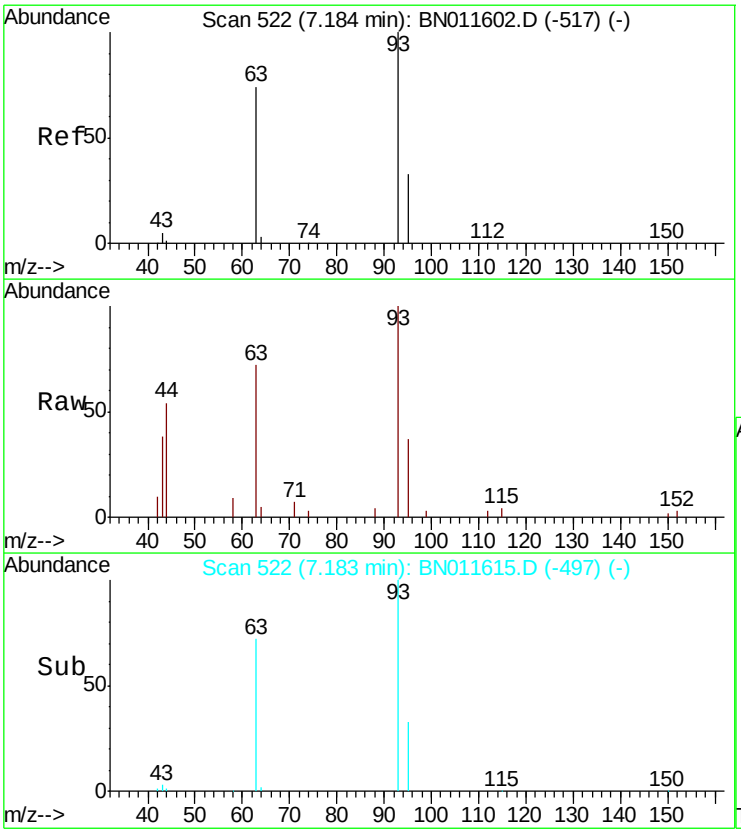
#5
Phenol-d6
Concen: 0.439 ng
RT: 6.92 min Scan# 489
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion: 99 Resp: 7039

Ion	Ratio	Lower	Upper
99	100		
42	21.1	0.0	0.0#
71	38.5	0.0	0.0#

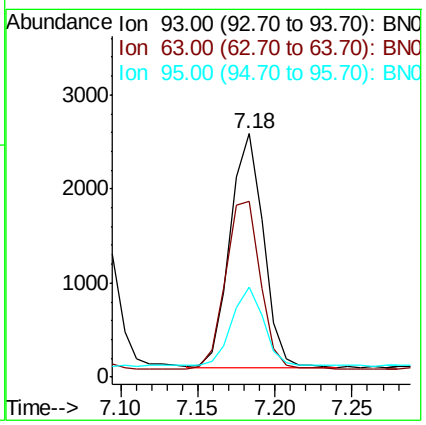


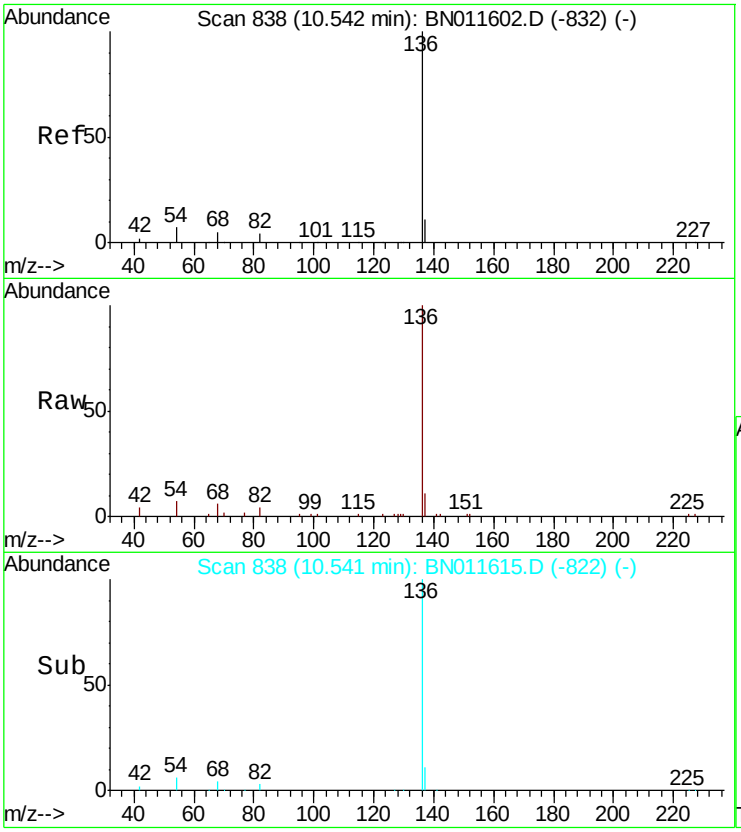


#6
bis(2-Chloroethyl)ether
Concen: 0.326 ng
RT: 7.18 min Scan# 522
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion: 93 Resp: 3717

Ion	Ratio	Lower	Upper
93	100		
63	75.4	57.8	86.8
95	33.2	28.3	42.5



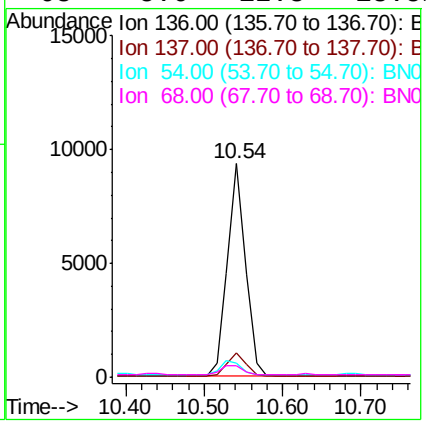


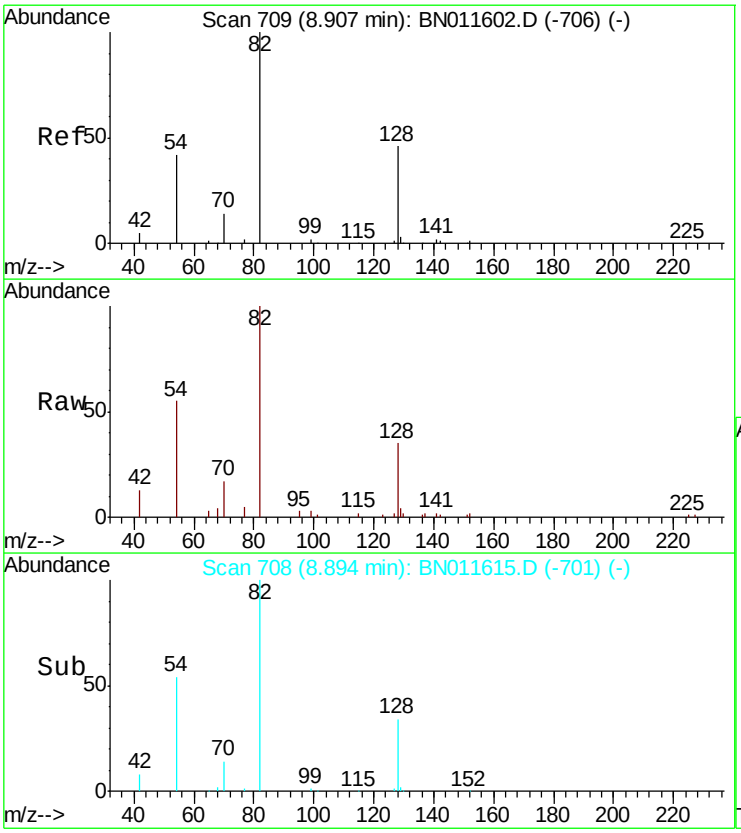
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 838
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:136 Resp: 14802

Ion	Ratio	Lower	Upper
136	100		
137	11.5	11.5	17.3#
54	6.8	11.9	17.9#
68	5.6	12.3	18.5#

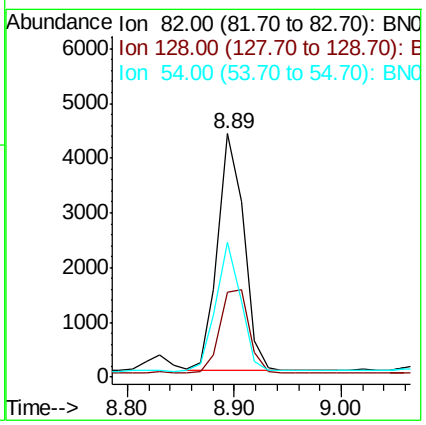


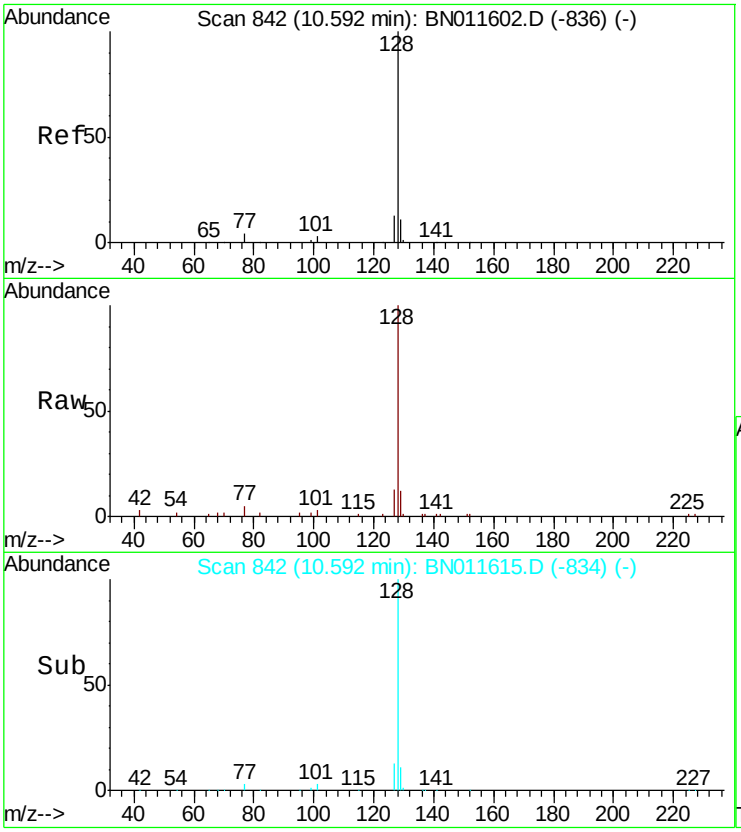


#8
Nitrobenzene-d5
Concen: 0.566 ng
RT: 8.89 min Scan# 708
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion: 82 Resp: 7249

Ion	Ratio	Lower	Upper
82	100		
128	34.8	31.1	46.7
54	55.2	37.1	55.7



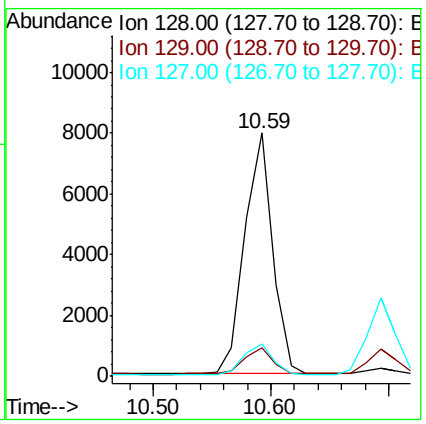


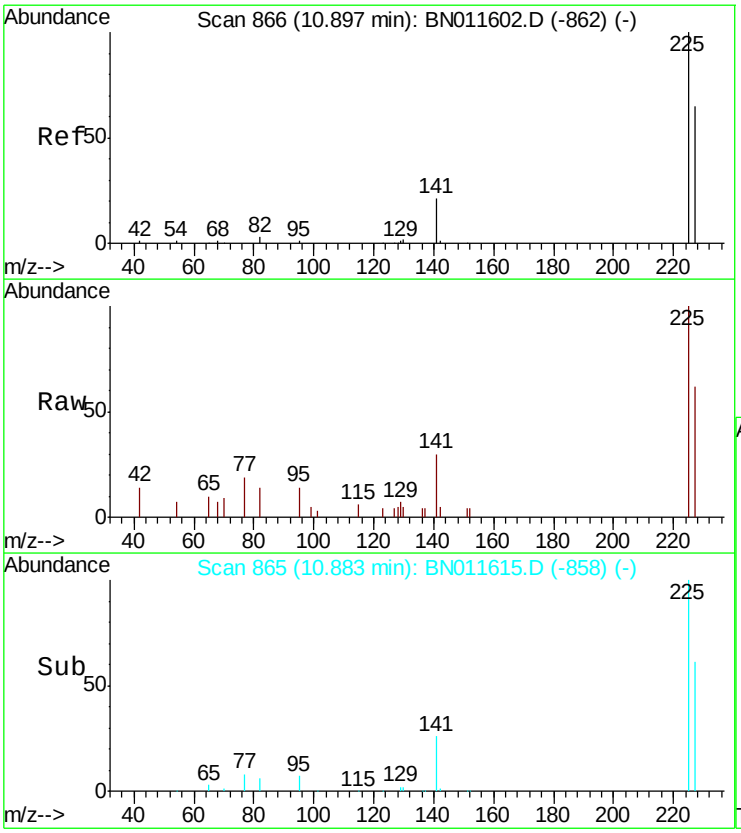
#9
Naphthalene
Concen: 0.311 ng
RT: 10.59 min Scan# 842
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:128 Resp: 13088

Ion	Ratio	Lower	Upper
128	100		
129	11.9	11.0	16.4
127	13.5	13.5	20.3#

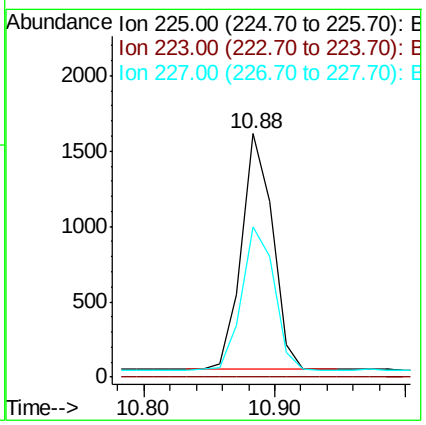


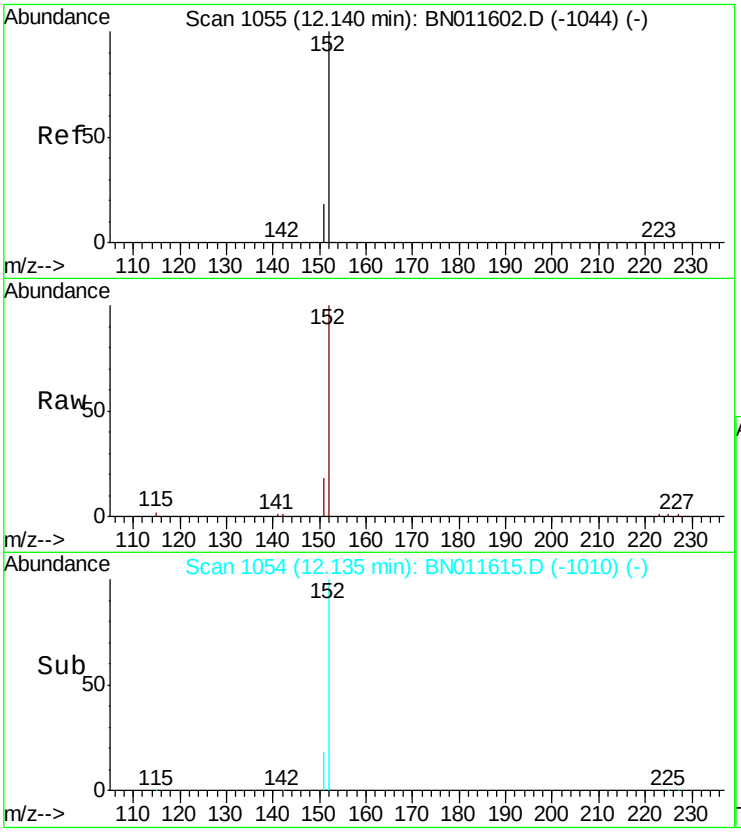


#10
Hexachlorobutadiene
Concen: 0.292 ng
RT: 10.88 min Scan# 865
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:225 Resp: 2571

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.2	75.2



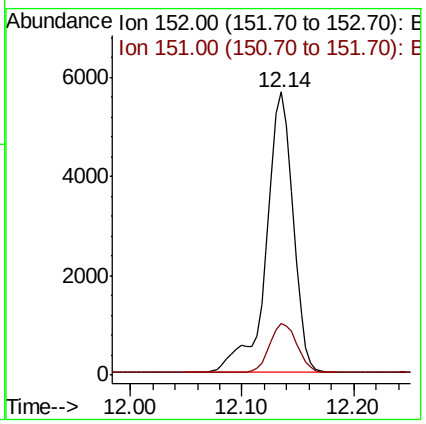


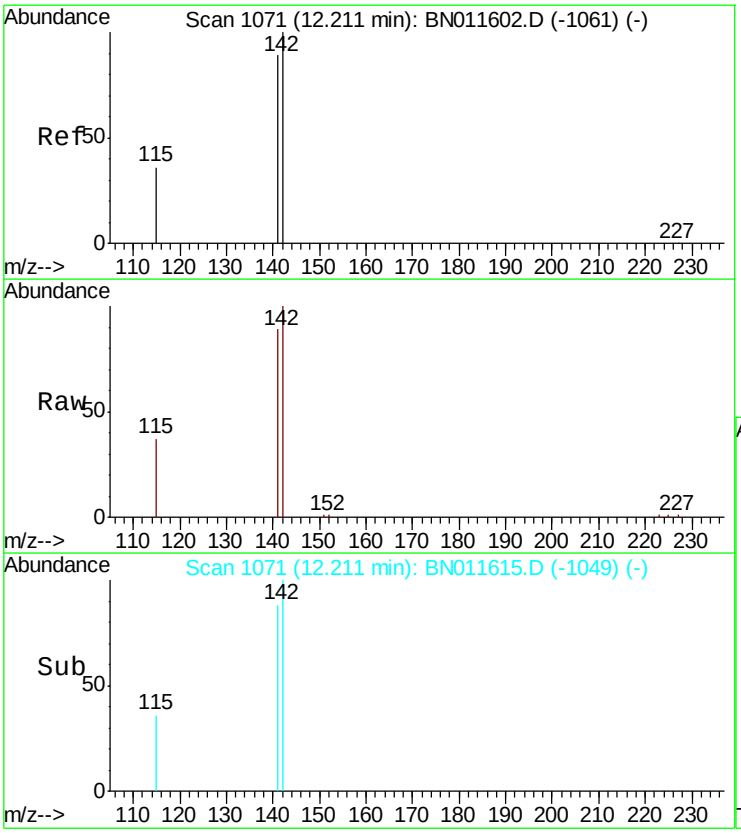
#11
2-Methylnaphthalene-d10
Concen: 0.331 ng
RT: 12.14 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:152 Resp: 9284

Ion	Ratio	Lower	Upper
152	100		
151	17.9	16.4	24.6

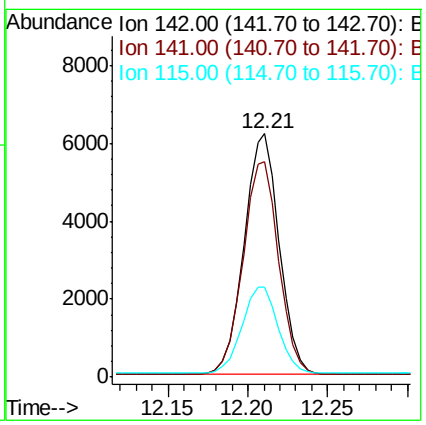


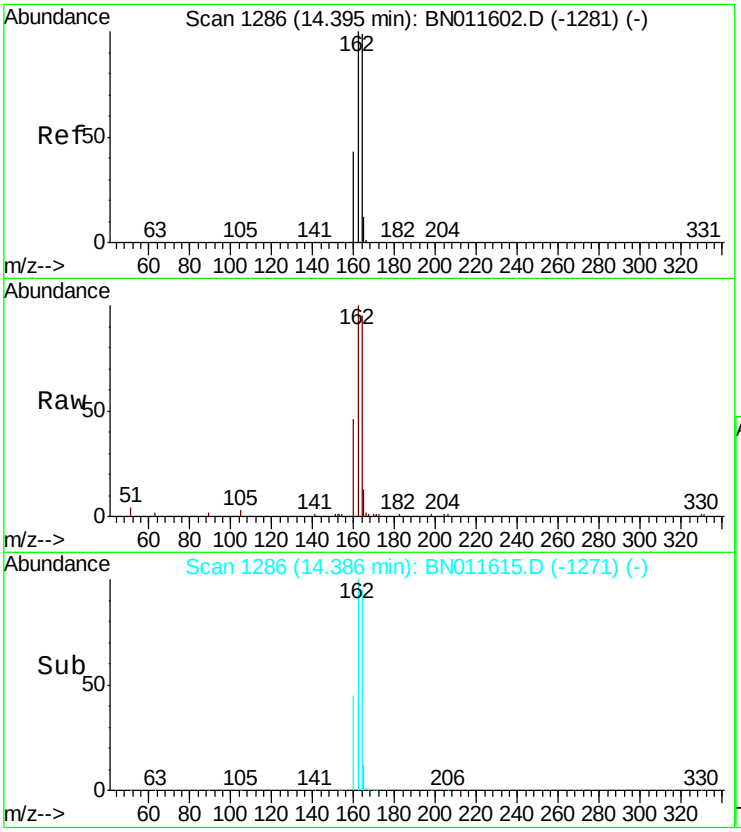


#12
2-Methylnaphthalene
Concen: 0.305 ng
RT: 12.21 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:142 Resp: 9476

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.7	109.1
115	37.2	32.7	49.1



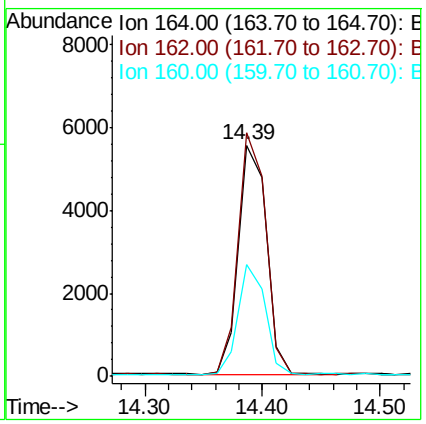


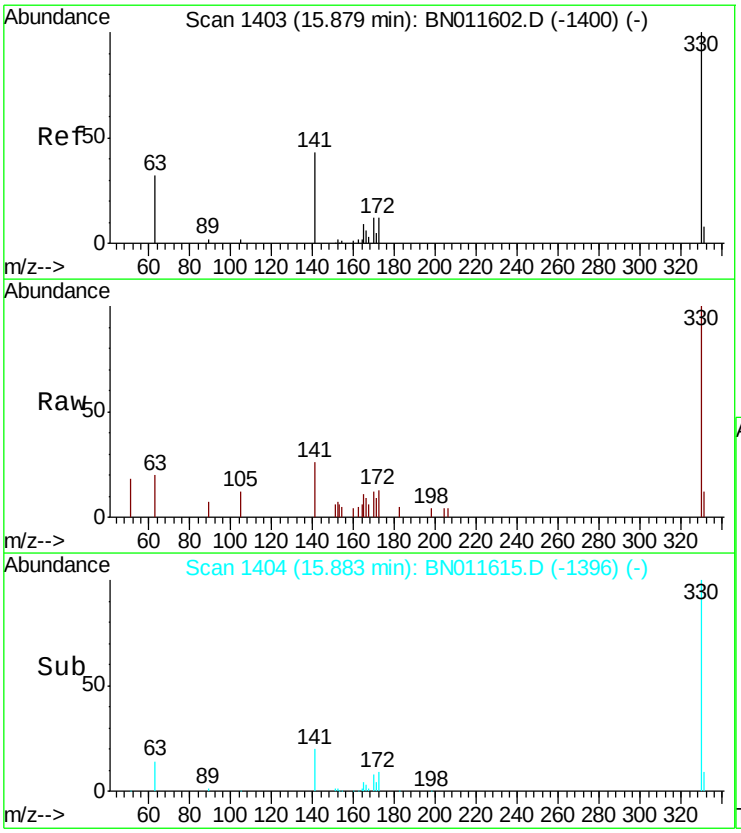
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:164 Resp: 9137

Ion	Ratio	Lower	Upper
164	100		
162	105.3	80.8	121.2
160	48.4	35.6	53.4

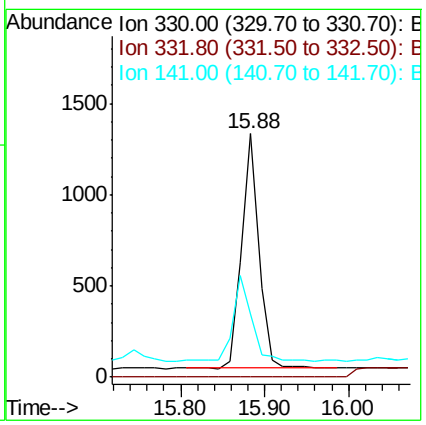


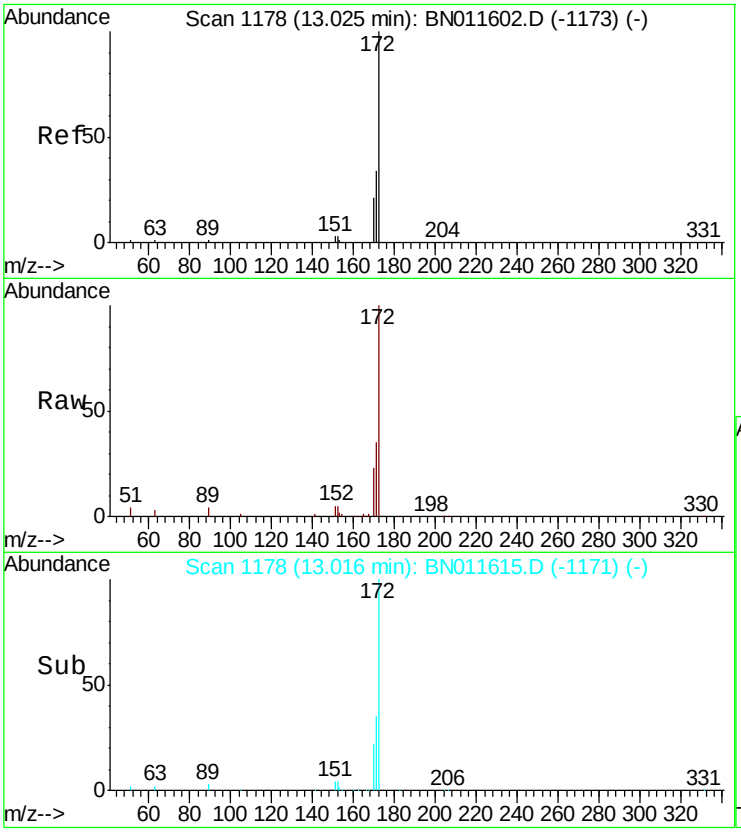


#14
2,4,6-Tribromophenol
Concen: 0.368 ng
RT: 15.88 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:330 Resp: 1849

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.6	29.4	44.2



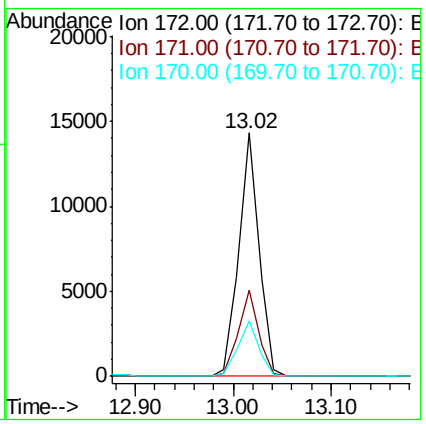


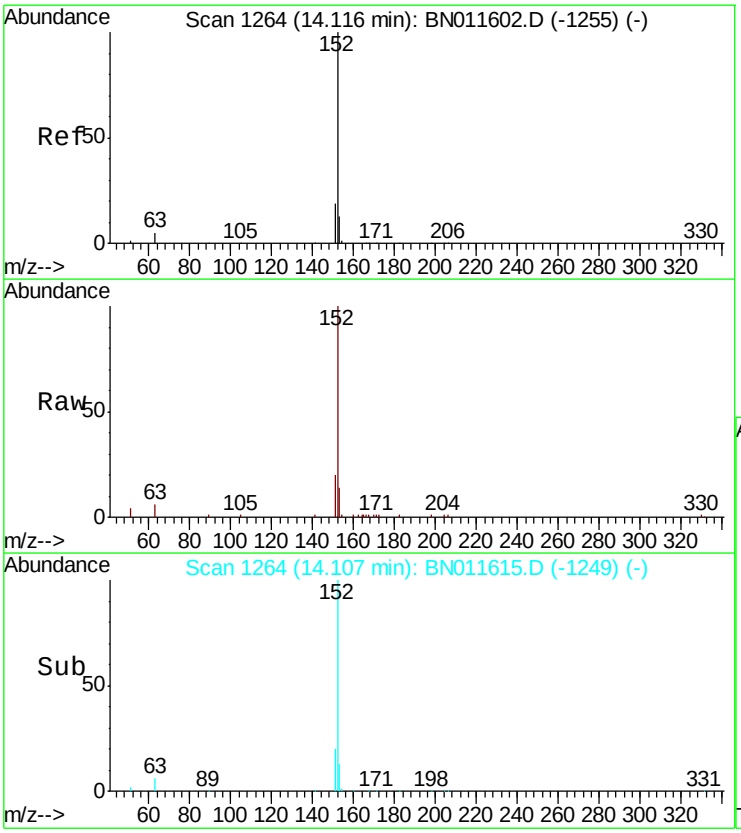
#15
2-Fluorobiphenyl
Concen: 0.566 ng
RT: 13.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:172 Resp: 20138

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	22.8	18.2	27.2

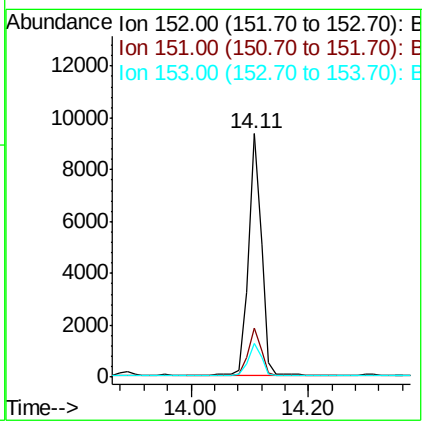


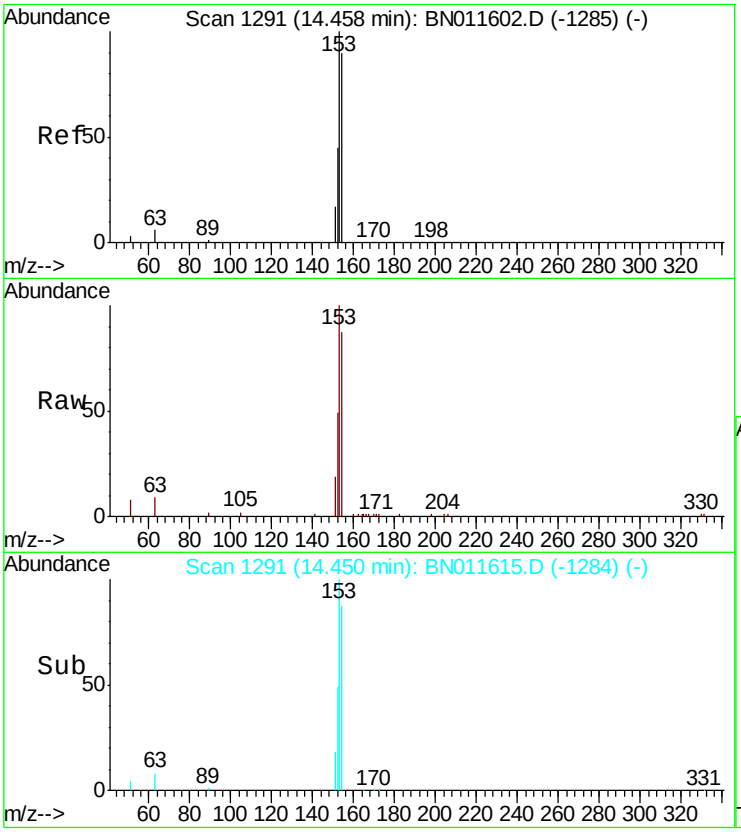


#16
Acenaphthylene
Concen: 0.294 ng
RT: 14.11 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:152 Resp: 14171

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.4	11.0	16.4



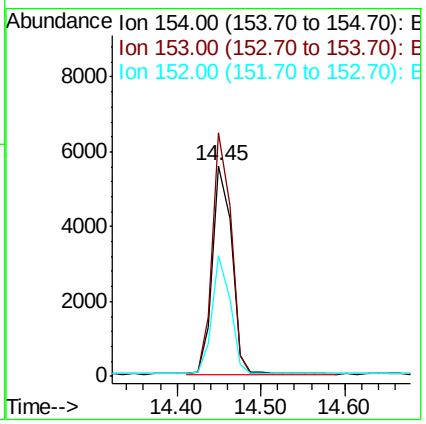


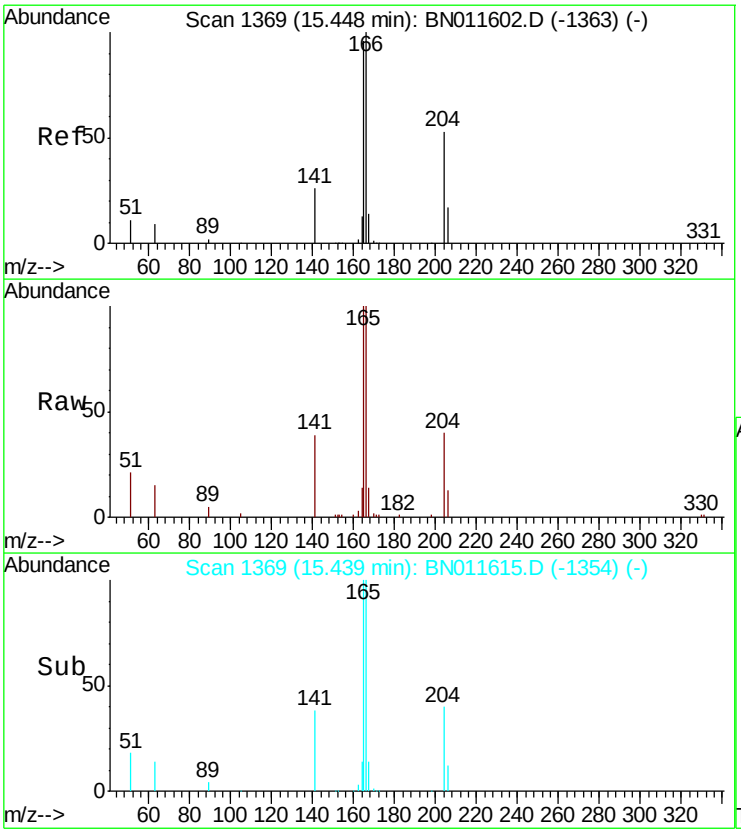
#17
Acenaphthene
Concen: 0.291 ng
RT: 14.45 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:154 Resp: 8888

Ion	Ratio	Lower	Upper
154	100		
153	111.6	86.6	130.0
152	53.1	40.1	60.1

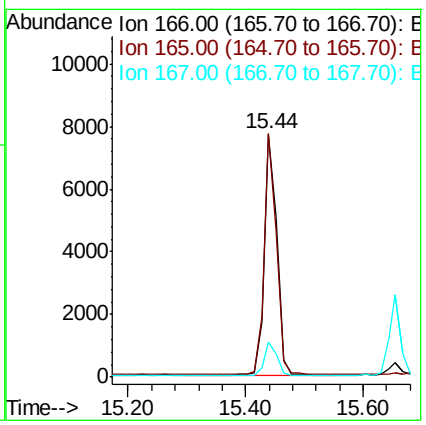


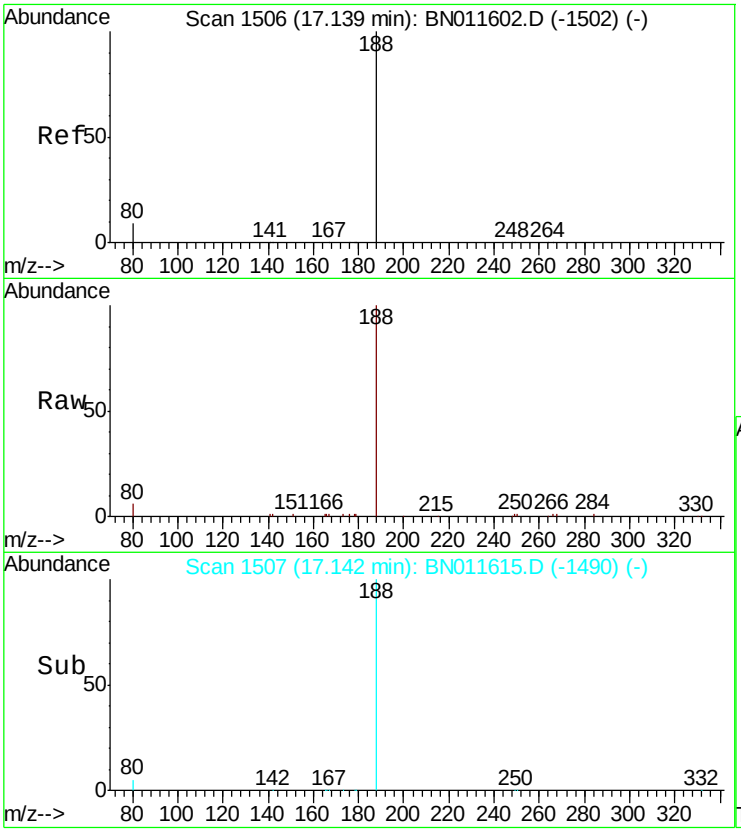


#18
Fluorene
Concen: 0.290 ng
RT: 15.44 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:166 Resp: 11471

Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.4	116.2
167	13.9	11.5	17.3



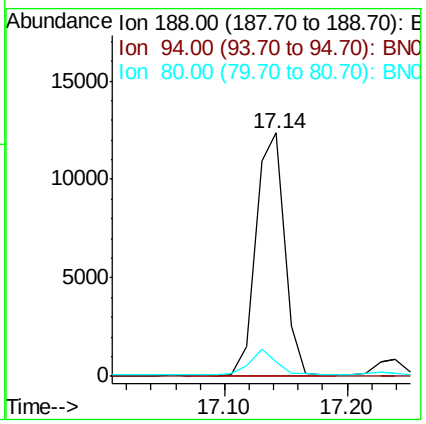


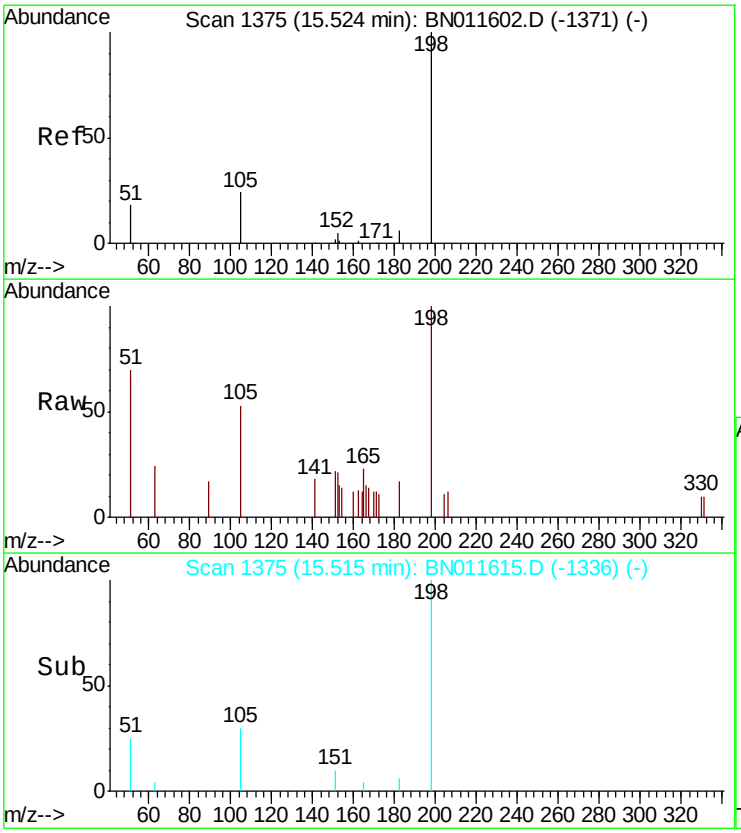
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.14 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:188 Resp: 19927

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	9.2	13.8#

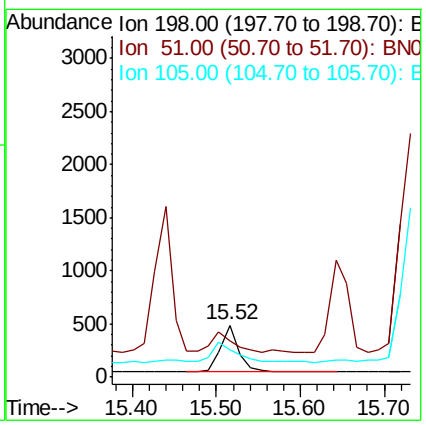


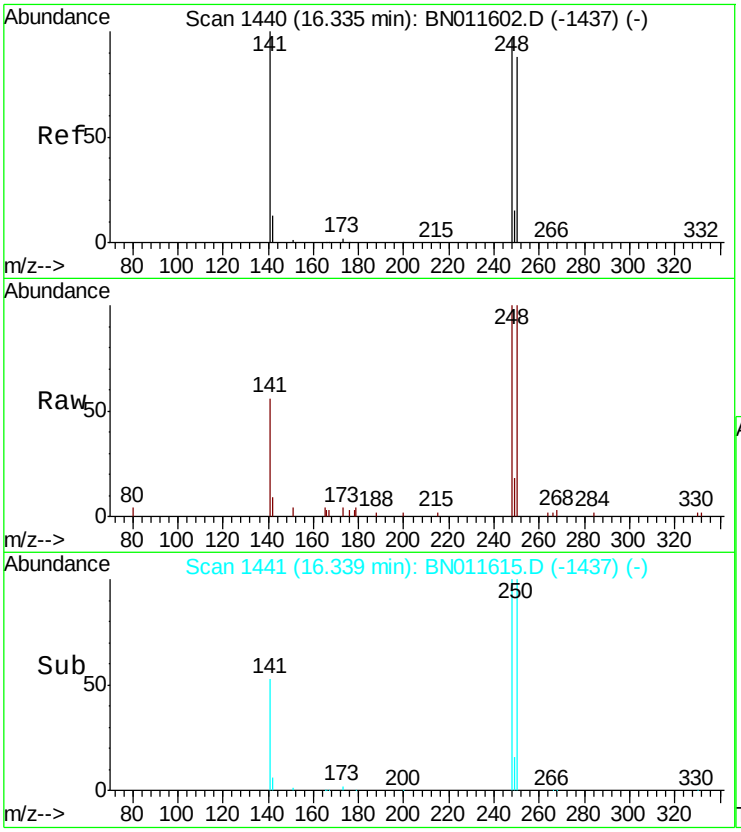


#20
4,6-Dinitro-2-methylphenol
Concen: 0.278 ng
RT: 15.52 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:198 Resp: 639

Ion	Ratio	Lower	Upper
198	100		
51	69.5	99.6	149.4#
105	53.1	118.8	178.2#



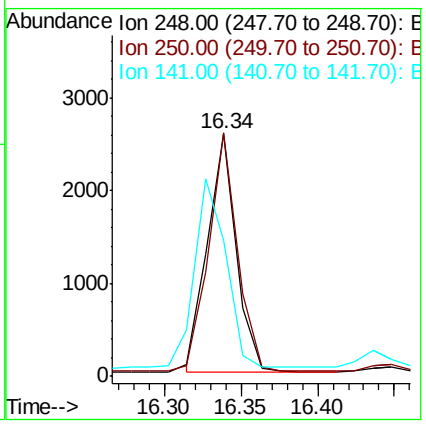


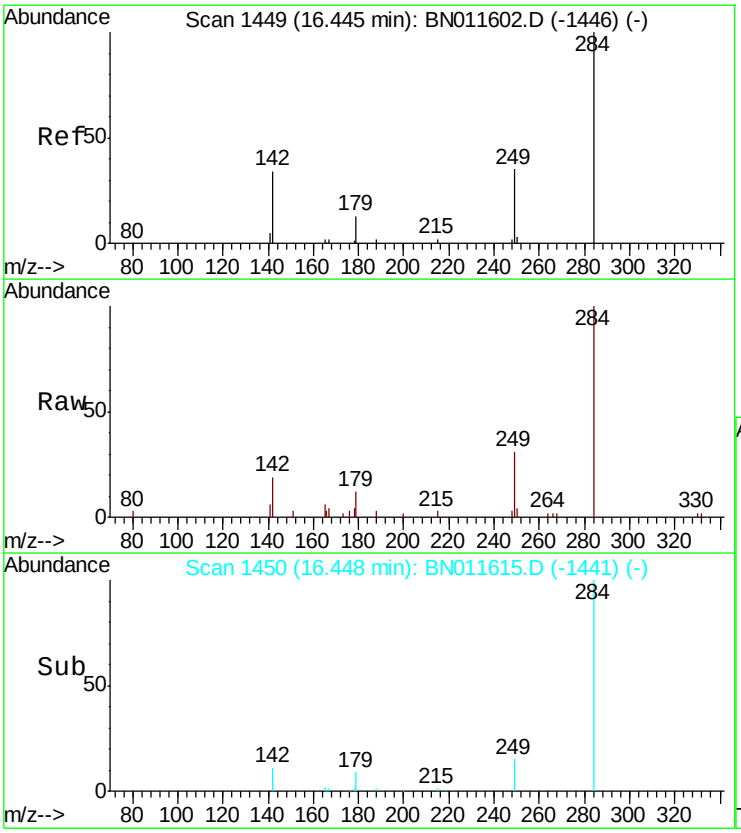
#21
4-Bromophenyl-phenylether
Concen: 0.287 ng
RT: 16.34 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:248 Resp: 3342

Ion	Ratio	Lower	Upper
248	100		
250	100.3	73.4	110.2
141	55.9	88.5	132.7#

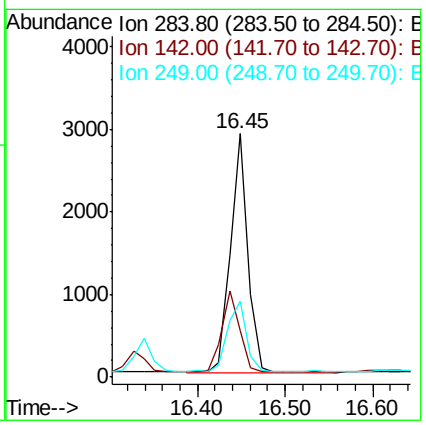


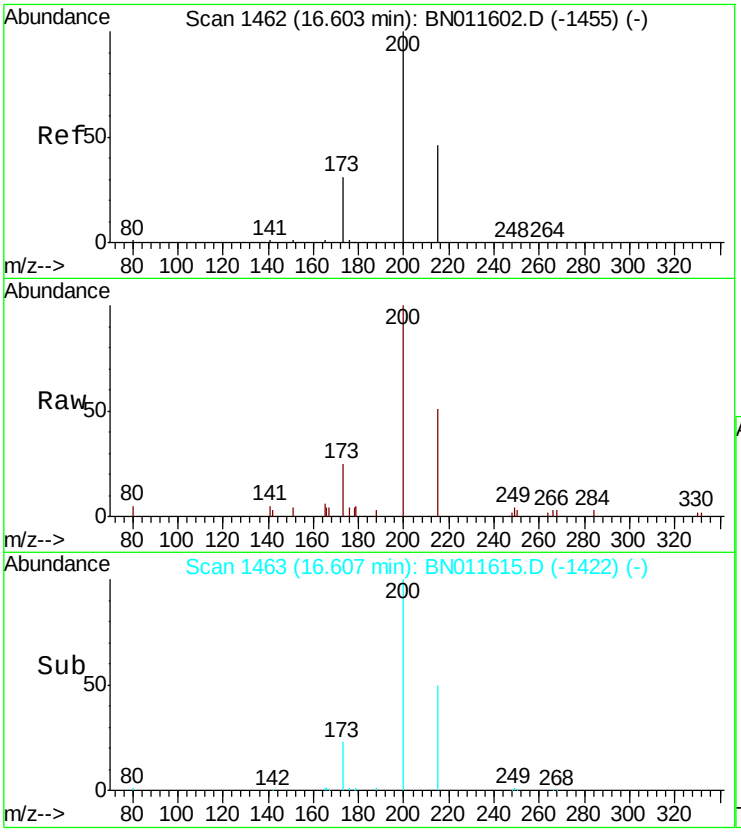


#22
Hexachlorobenzene
Concen: 0.297 ng
RT: 16.45 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:284 Resp: 3988

Ion	Ratio	Lower	Upper
284	100		
142	34.4	27.3	40.9
249	31.9	25.2	37.8



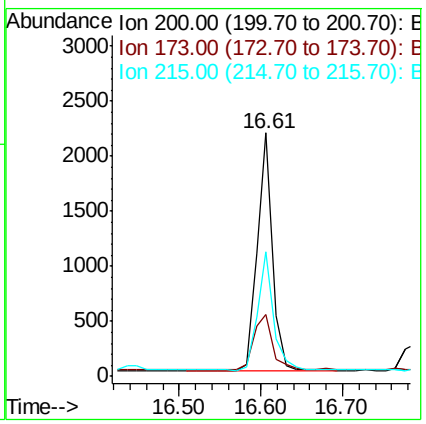


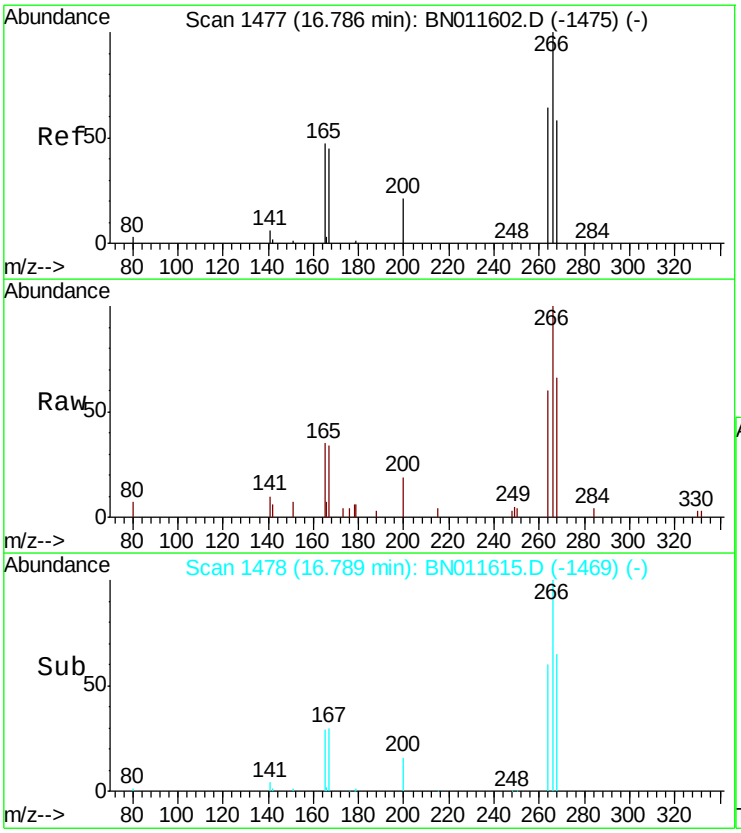
#23
Atrazine
Concen: 0.248 ng
RT: 16.61 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:200 Resp: 2849

Ion	Ratio	Lower	Upper
200	100		
173	25.5	28.2	42.4#
215	51.1	39.8	59.6

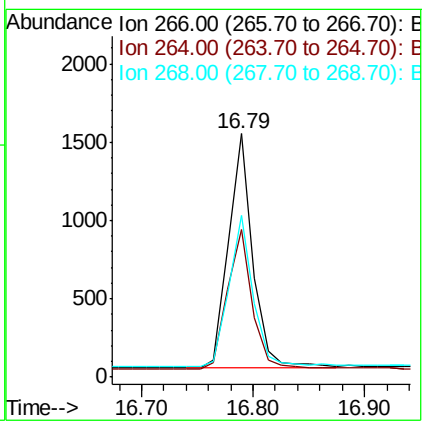


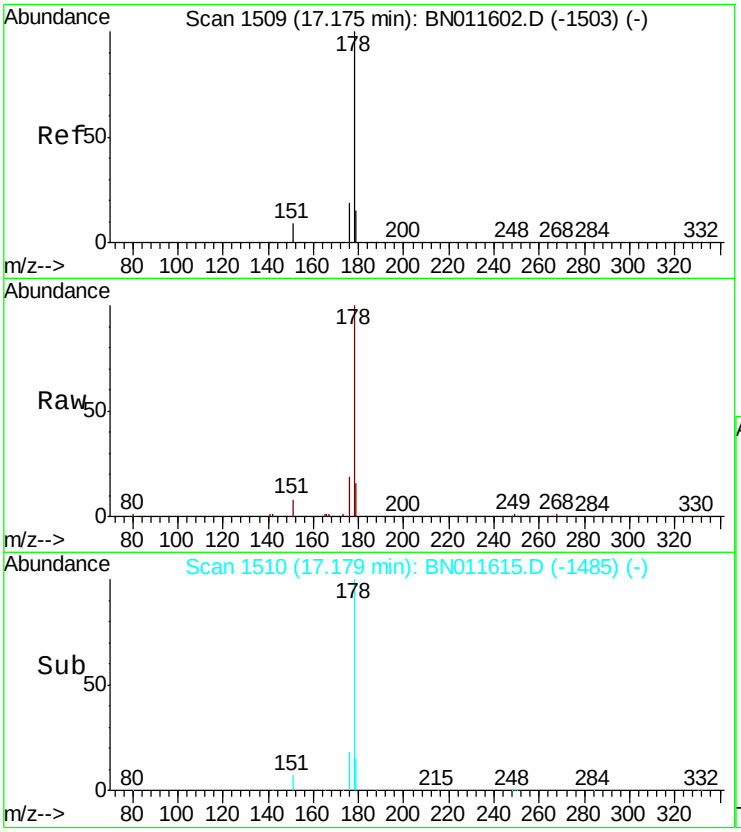


#24
Pentachlorophenol
Concen: 0.376 ng
RT: 16.79 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:266 Resp: 2228

Ion	Ratio	Lower	Upper
266	100		
264	63.6	48.1	72.1
268	68.3	48.4	72.6



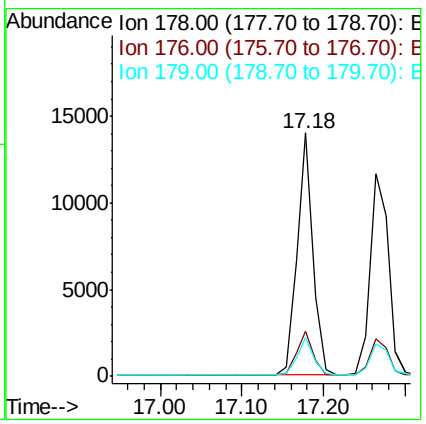


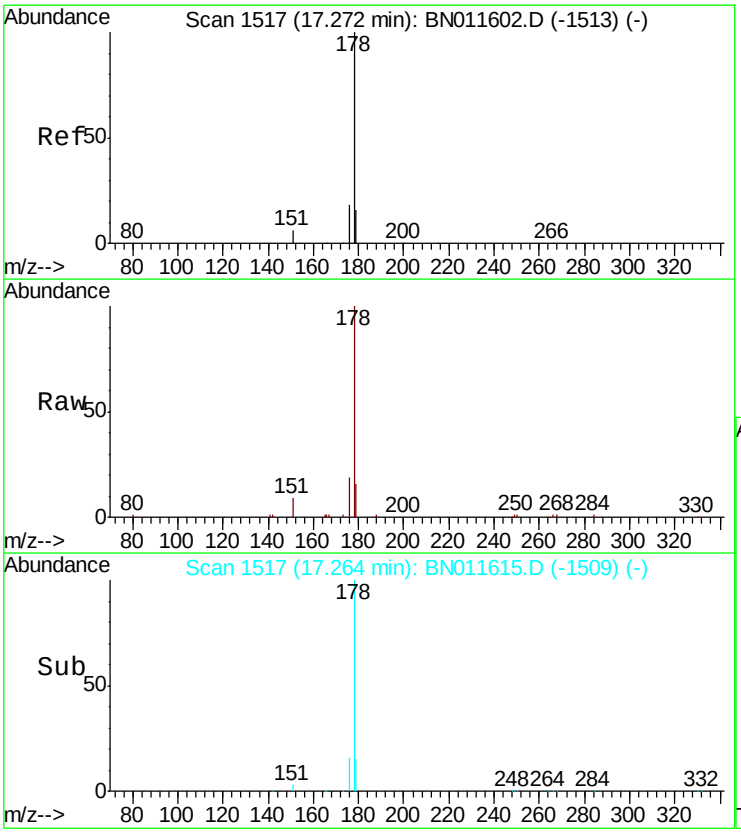
#25
Phenanthrene
Concen: 0.305 ng
RT: 17.18 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:178 Resp: 18900

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.8	12.6	18.8

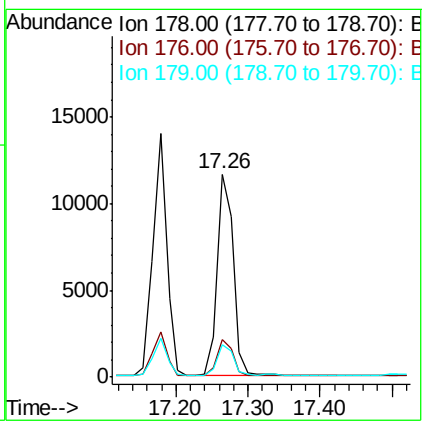


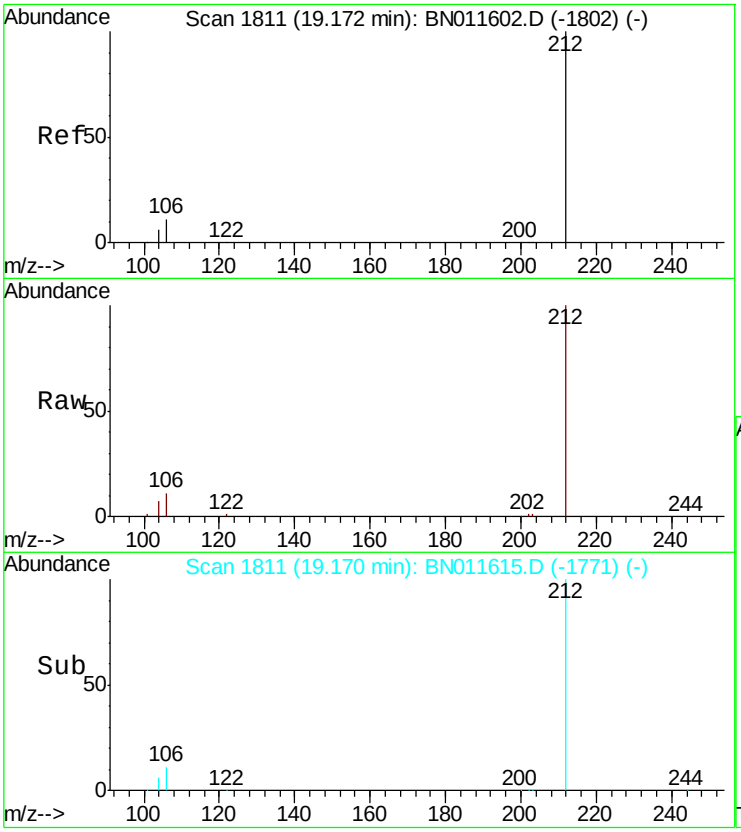


#26
Anthracene
Concen: 0.296 ng
RT: 17.26 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:178 Resp: 18056

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.2	12.5	18.7



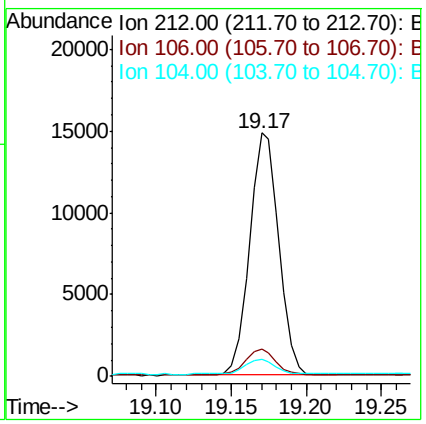


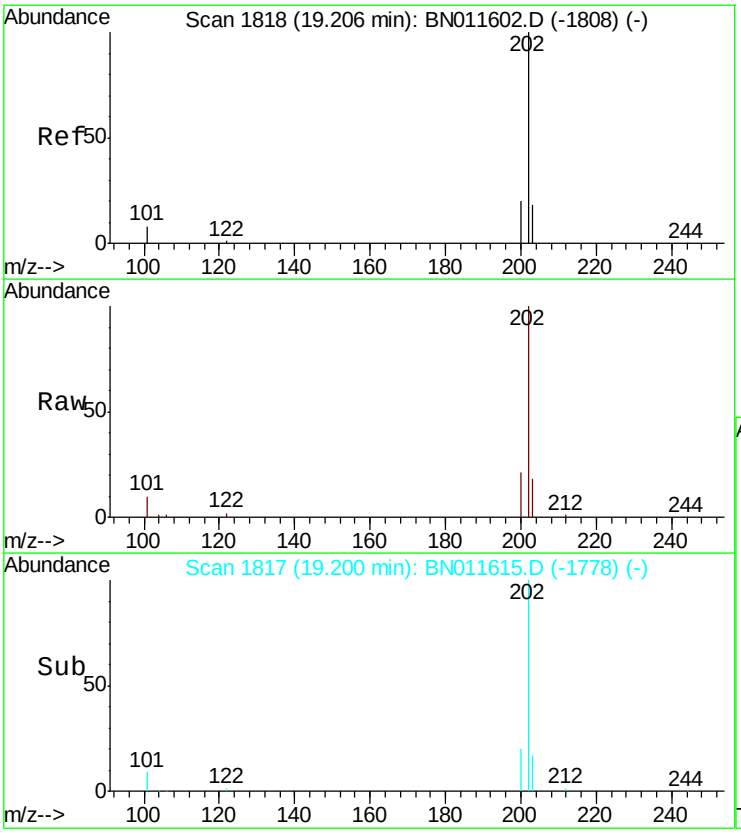
#27
Fluoranthene-d10
Concen: 0.308 ng
RT: 19.17 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:212 Resp: 20017

Ion	Ratio	Lower	Upper
212	100		
106	10.6	8.9	13.3
104	6.1	5.3	7.9

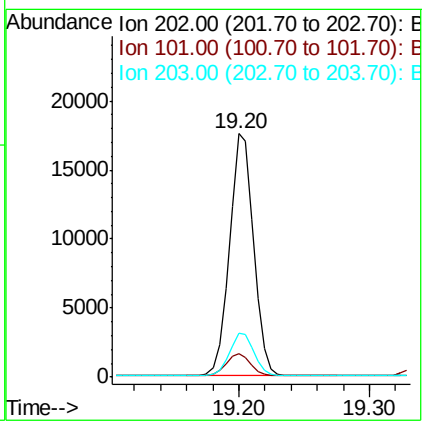


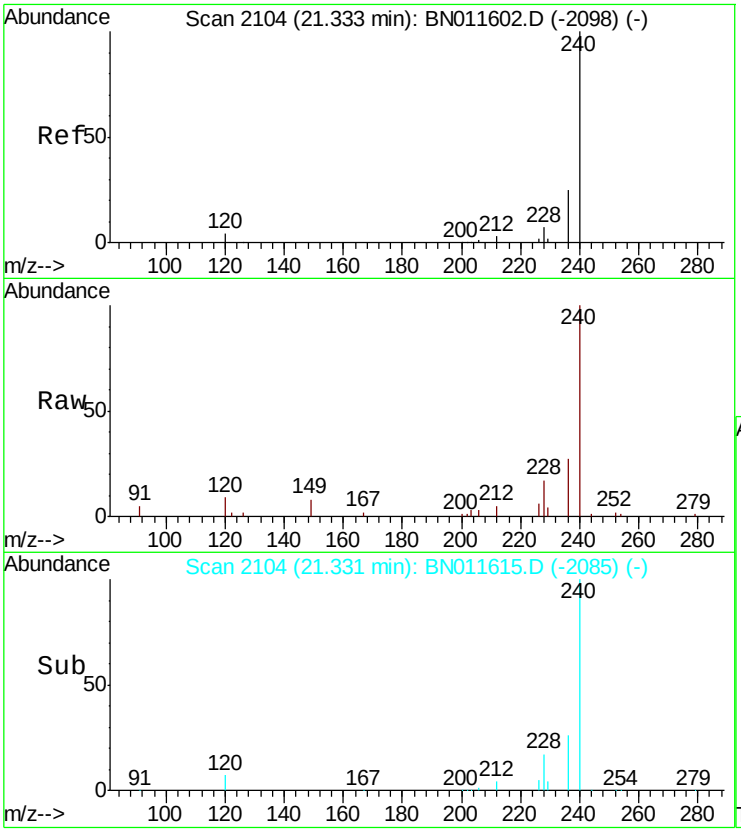


#28
Fluoranthene
Concen: 0.302 ng
RT: 19.20 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:202 Resp: 22623

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.7	11.5
203	17.4	13.9	20.9



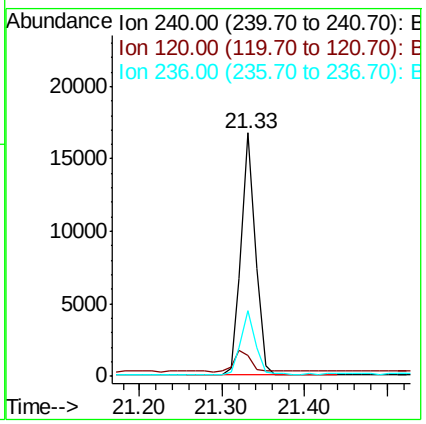


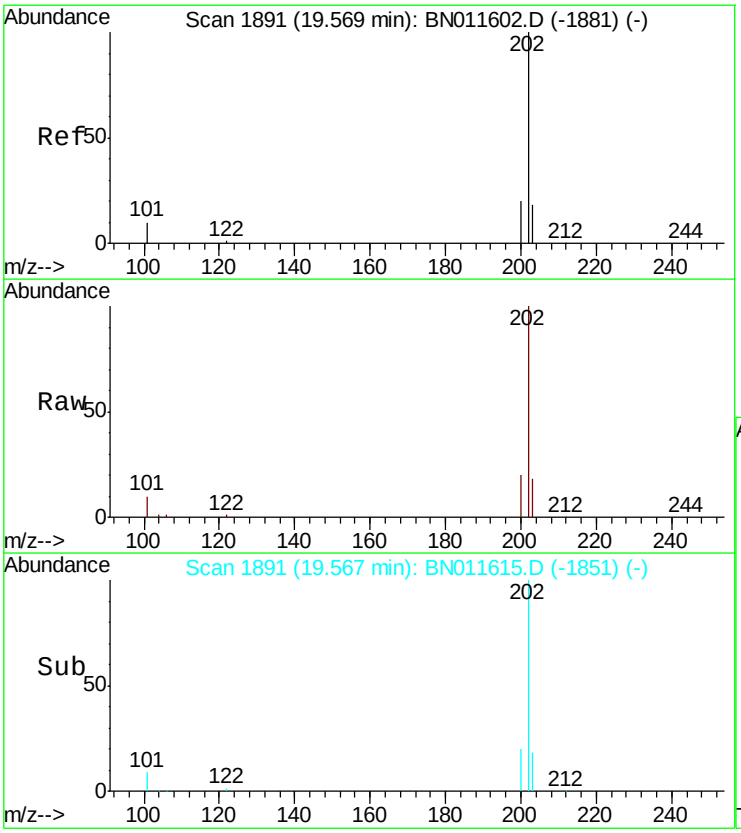
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.33 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:240 Resp: 20360

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.0	9.0
236	27.1	20.8	31.2

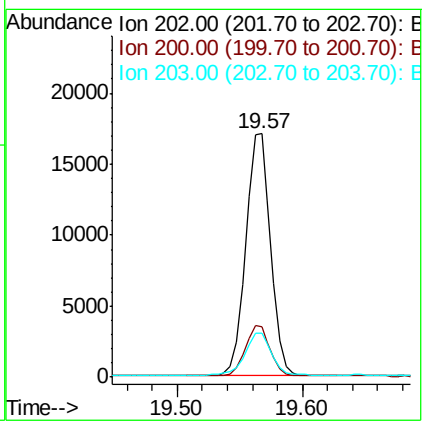


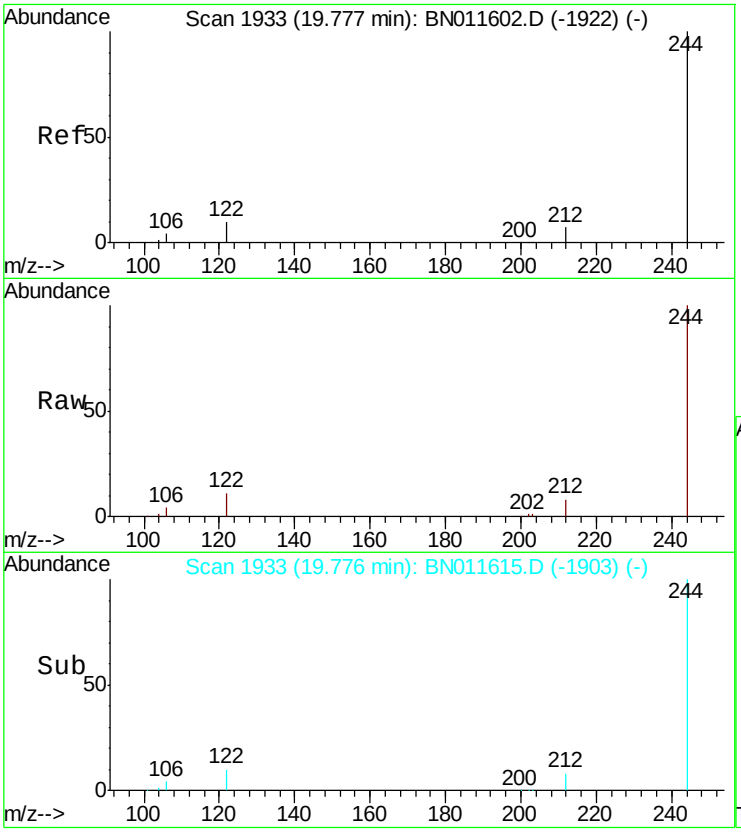


#30
Pyrene
Concen: 0.326 ng
RT: 19.57 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:202 Resp: 23544

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	18.4	14.2	21.4



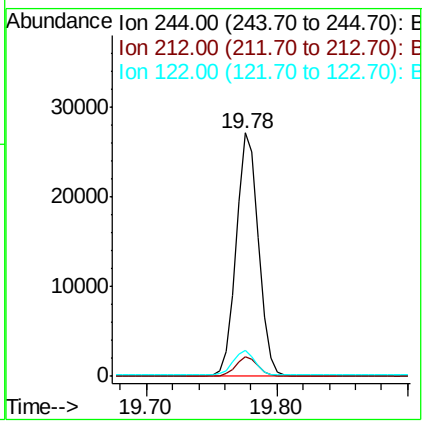


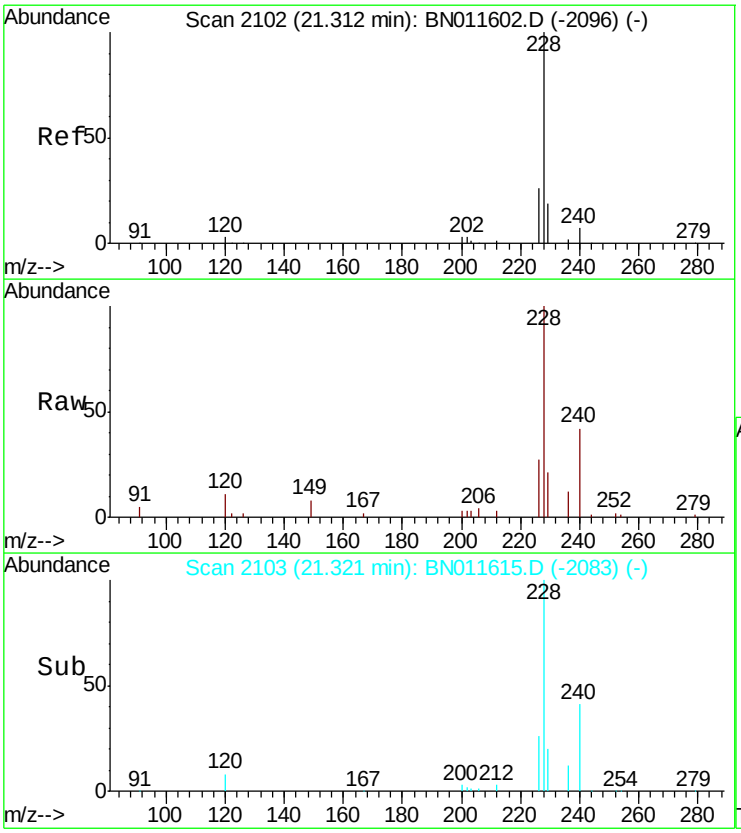
#31
Terphenyl-d14
Concen: 0.619 ng
RT: 19.78 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:244 Resp: 32220

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.5	9.7
122	10.6	9.5	14.3

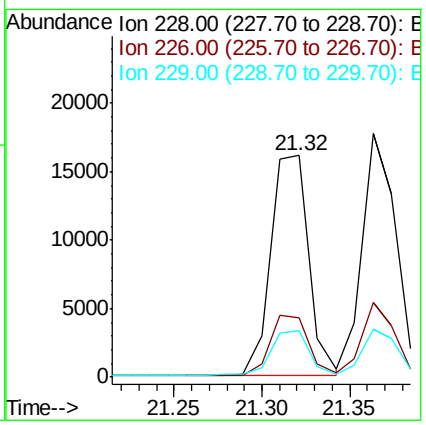


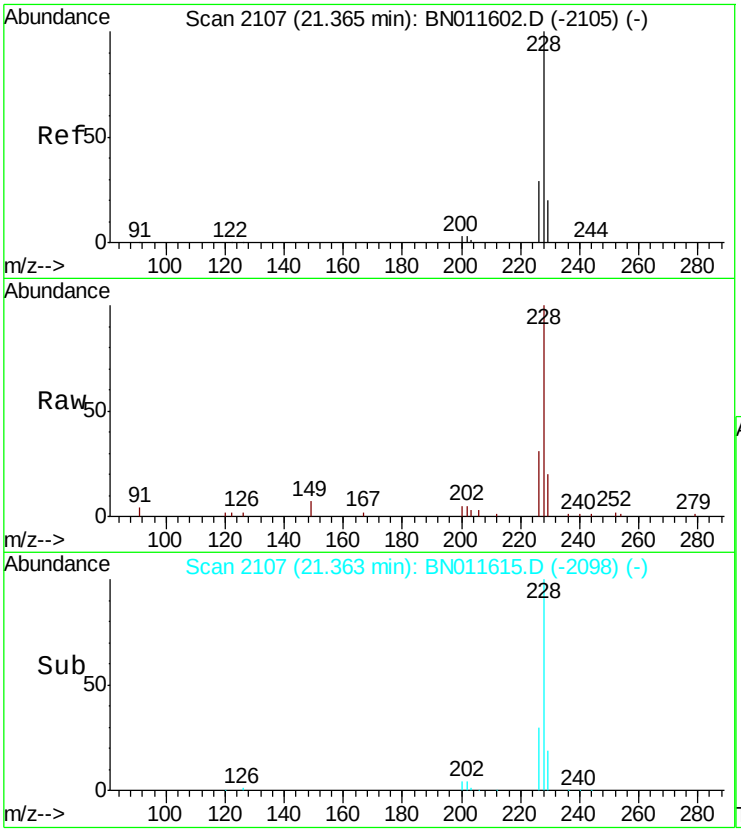


#32
Benzo(a)anthracene
Concen: 0.332 ng
RT: 21.32 min Scan# 2103
Delta R.T. 0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:228 Resp: 24353

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	21.2	15.8	23.8



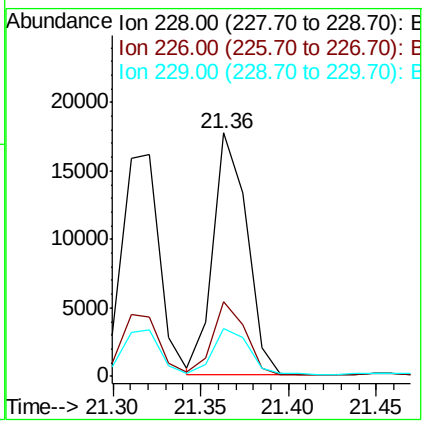


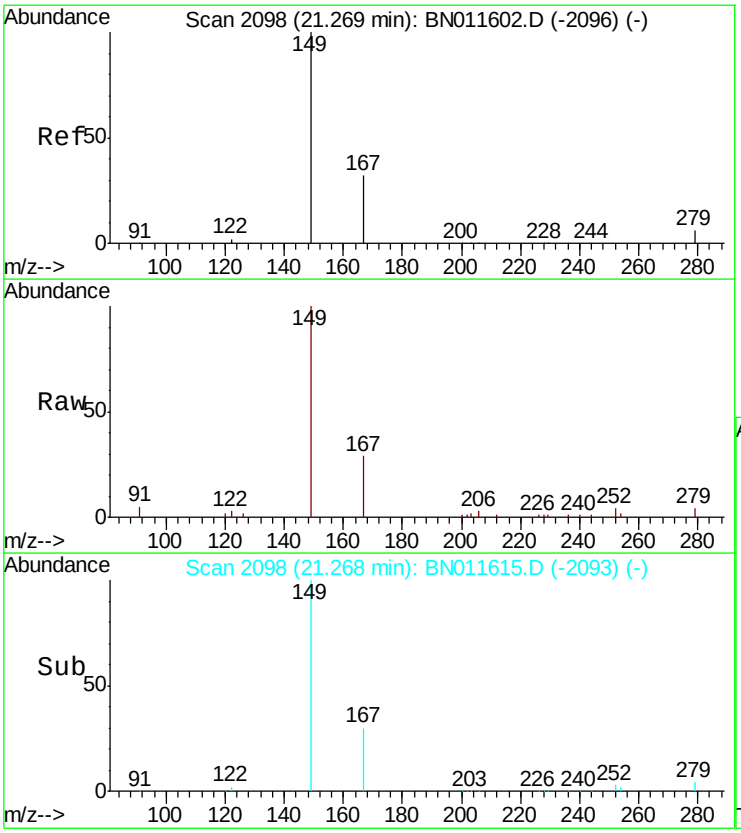
#33
Chrysene
Concen: 0.335 ng
RT: 21.36 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:228 Resp: 23421

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.6	35.4
229	19.7	16.0	24.0

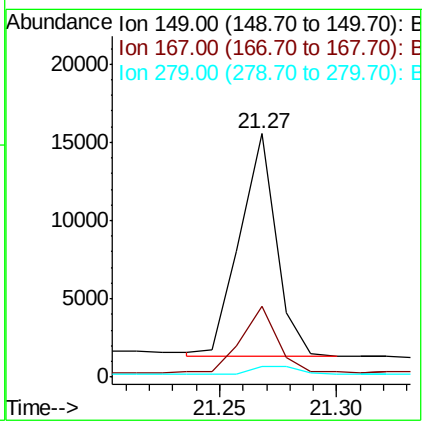


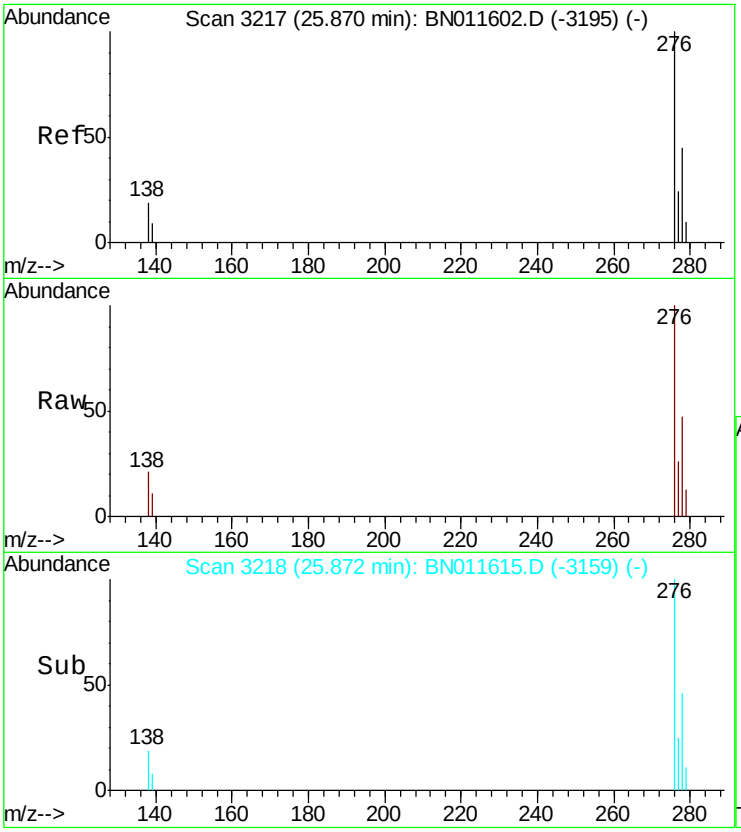


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 21.27 min Scan# 2098
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:149 Resp: 15360

Ion	Ratio	Lower	Upper
149	100		
167	28.7	20.6	31.0
279	5.0	3.8	5.8



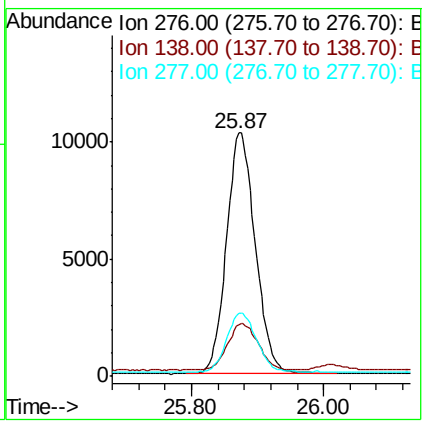


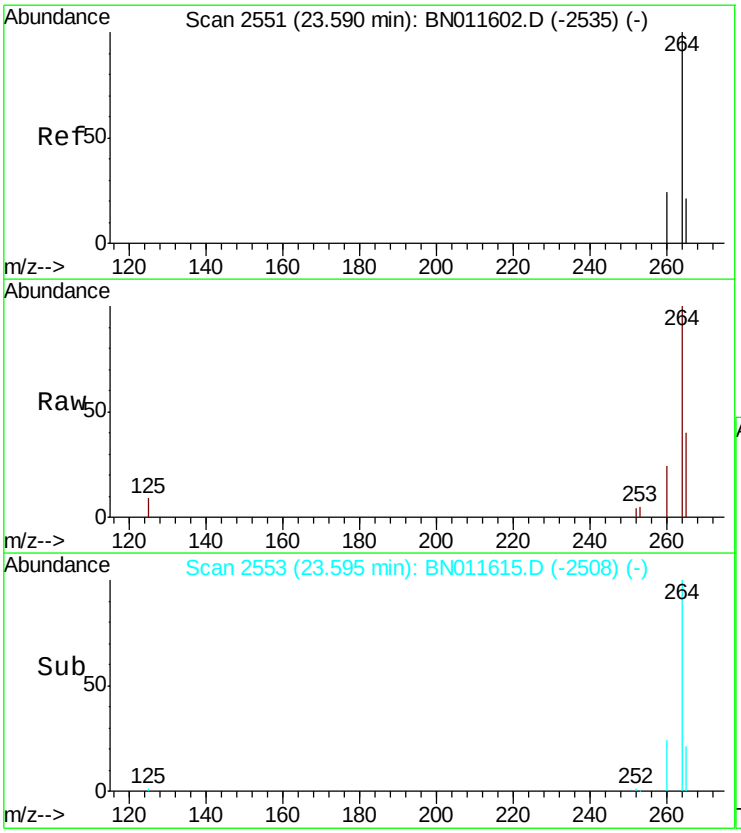
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.367 ng
RT: 25.87 min Scan# 3218
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:276 Resp: 31382

Ion	Ratio	Lower	Upper
276	100		
138	20.5	0.0	0.0#
277	25.2	0.0	0.0#

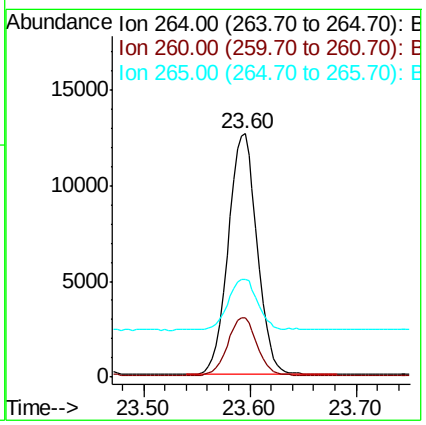


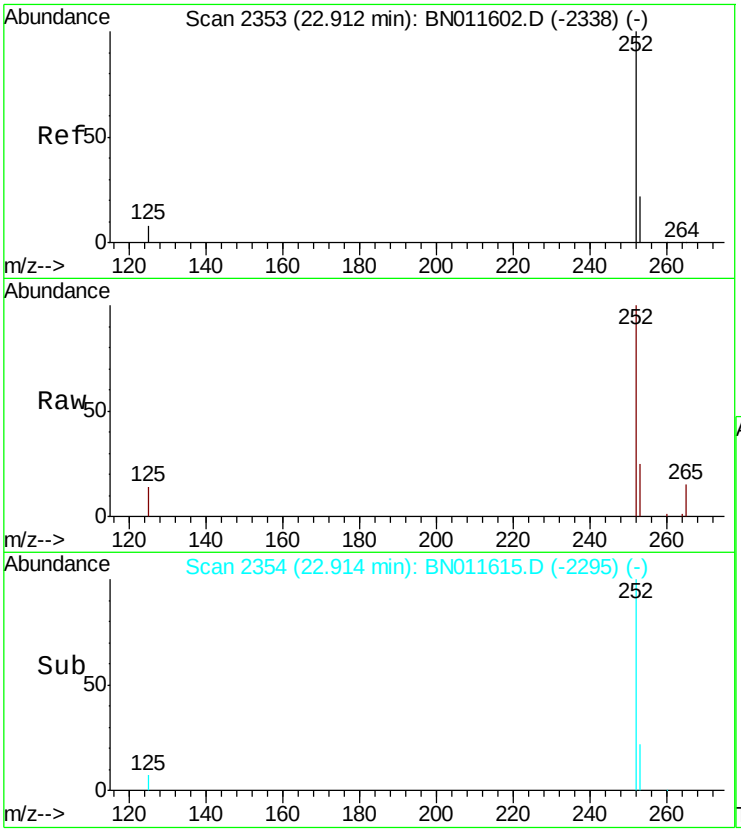


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.60 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:264 Resp: 23801

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	39.9	40.7	61.1#



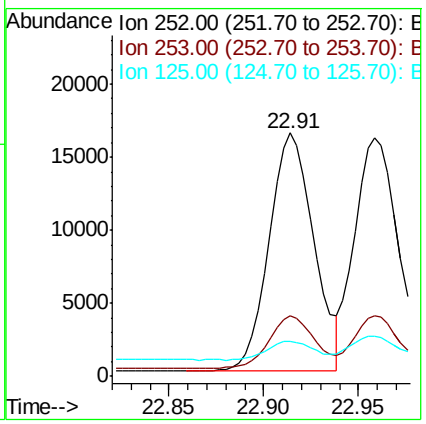


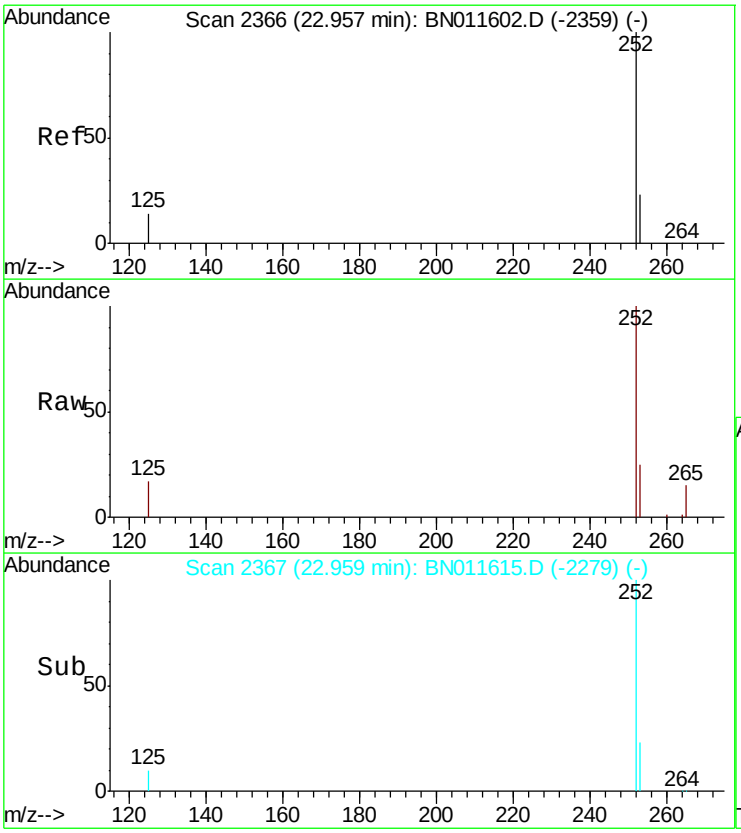
#37
Benzo(b)fluoranthene
Concen: 0.307 ng
RT: 22.91 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:252 Resp: 26478

Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.0	31.6
125	14.3	11.0	16.6

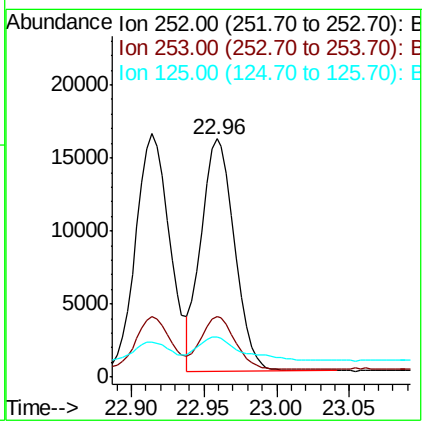


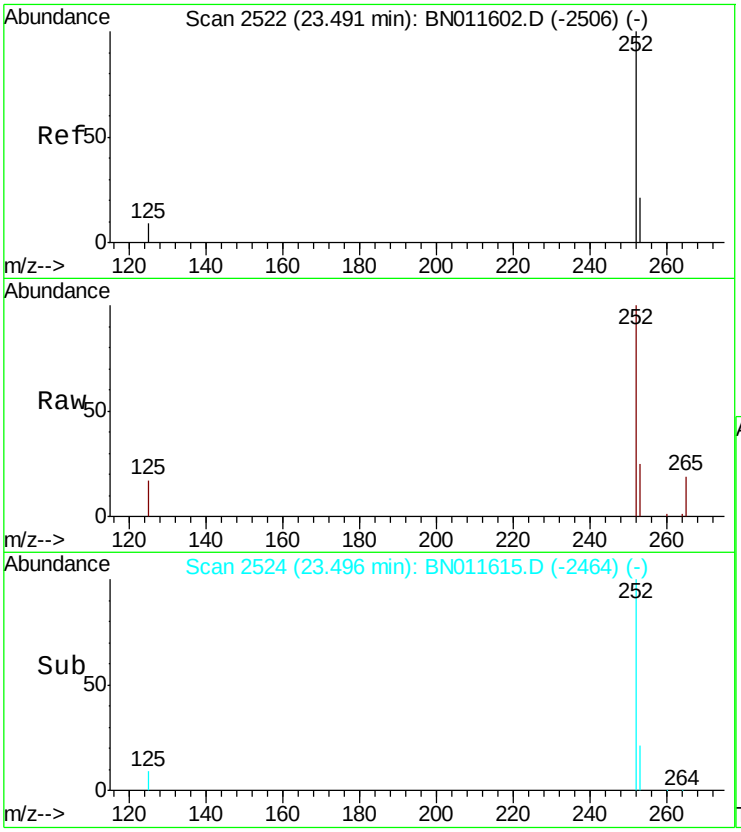


#38
Benzo(k)fluoranthene
Concen: 0.298 ng
RT: 22.96 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:252 Resp: 25526

Ion	Ratio	Lower	Upper
252	100		
253	25.4	21.2	31.8
125	16.9	14.6	21.8



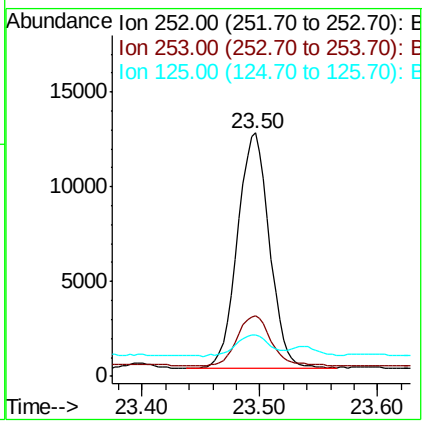


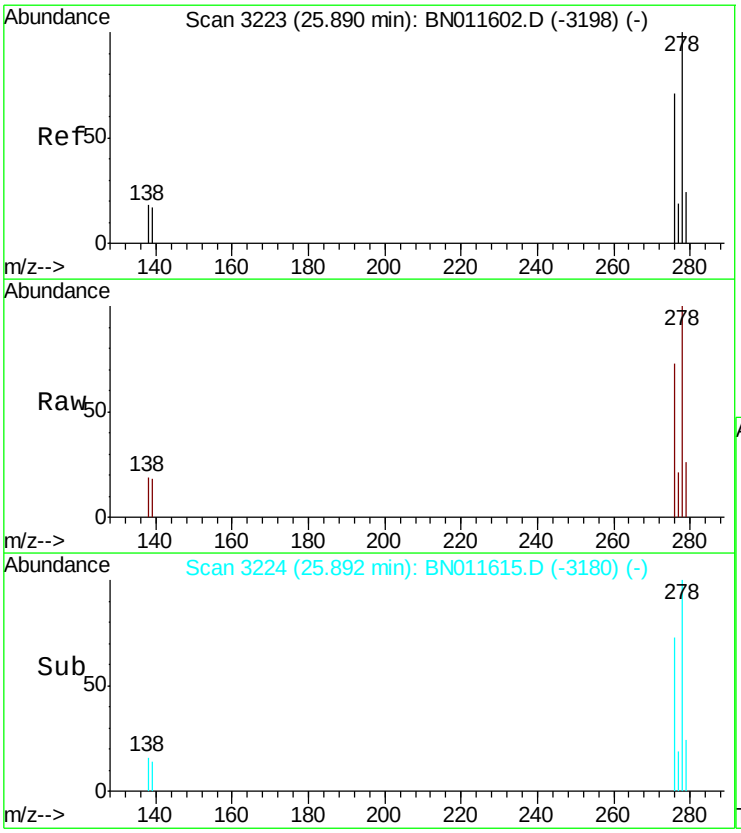
#39
Benzo(a)pyrene
Concen: 0.293 ng
RT: 23.50 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:252 Resp: 23566

Ion	Ratio	Lower	Upper
252	100		
253	25.0	21.2	31.8
125	17.1	12.1	18.1

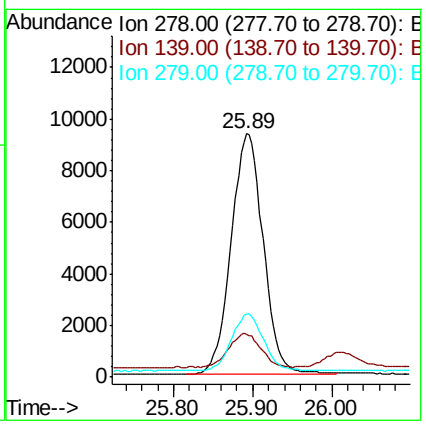


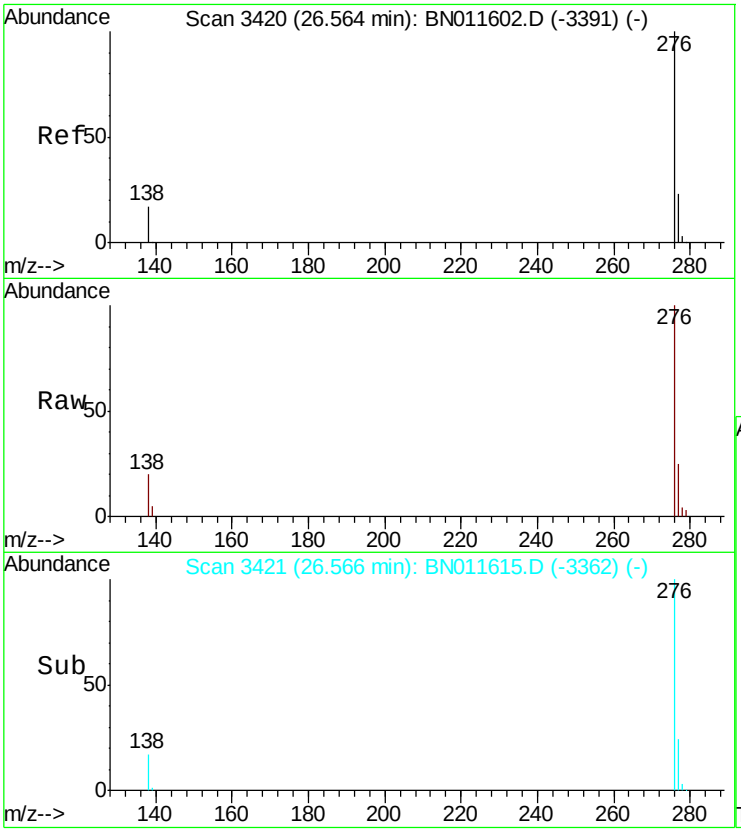


#40
Dibenzo(a,h)anthracene
Concen: 0.313 ng
RT: 25.89 min Scan# 3224
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:278 Resp: 26264

Ion	Ratio	Lower	Upper
278	100		
139	17.6	16.6	25.0
279	26.1	21.4	32.2





#41
Benzo(g,h,i)perylene
Concen: 0.330 ng
RT: 26.57 min Scan# 3421
Delta R.T. 0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:276 Resp: 26884

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.5	30.7
138	19.6	17.8	26.6