Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035071.D
Acq On : 13 Nov 2024 18:03
Operator : RC/JU
Sample : PB164785BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Quant Time: Nov 14 02:06:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	2135	0.400	ng	0.00
7) Naphthalene-d8	10.319	136	5031	0.400	ng	0.00
13) Acenaphthene-d10	14.186	164	3550	0.400	ng	0.00
19) Phenanthrene-d10	16.939	188	9574	0.400	ng	0.00
29) Chrysene-d12	21.140	240	9856	0.400	ng	# 0.00
35) Perylene-d12	23.304	264	10124	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1835	0.339	ng	0.00
5) Phenol-d6	6.737	99	2286	0.336	ng	0.00
8) Nitrobenzene-d5	8.696	82	1574	0.359	ng	0.00
11) 2-Methylnaphthalene-d10	11.912	152	3949	0.440	ng	0.00
14) 2,4,6-Tribromophenol	15.686	330	749	0.292	ng	0.00
15) 2-Fluorobiphenyl	12.807	172	5331	0.370	ng	0.00
27) Fluoranthene-d10	18.976	212	10606	0.362	ng	0.00
31) Terphenyl-d14	19.584	244	8396	0.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.169	88	641	0.331	ng	# 63
3) n-Nitrosodimethylamine	3.466	42	646	0.357	ng	# 89
6) bis(2-Chloroethyl)ether	6.990	93	1861	0.365	ng	100
9) Naphthalene	10.362	128	4767	0.363	ng	99
10) Hexachlorobutadiene	10.661	225	1410	0.366	ng	# 100
12) 2-Methylnaphthalene	11.988	142	3402	0.351	ng	98
16) Acenaphthylene	13.908	152	5574	0.367	ng	99
17) Acenaphthene	14.250	154	3556	0.358	ng	99
18) Fluorene	15.245	166	5198	0.355	ng	100
20) 4,6-Dinitro-2-methylph...	15.330	198	652	0.327	ng	# 88
21) 4-Bromophenyl-phenylether	16.145	248	2176	0.357	ng	99
22) Hexachlorobenzene	16.244	284	2204	0.348	ng	99
23) Atrazine	16.418	200	1955	0.357	ng	99
24) Pentachlorophenol	16.592	266	1586	0.536	ng	99
25) Phenanthrene	16.977	178	9514	0.378	ng	100
26) Anthracene	17.064	178	8859	0.383	ng	99
28) Fluoranthene	19.004	202	12433	0.359	ng	100
30) Pyrene	19.366	202	12859	0.392	ng	100
32) Benzo(a)anthracene	21.122	228	12519	0.365	ng	99
33) Chrysene	21.176	228	13127	0.386	ng	99
34) Bis(2-ethylhexyl)phtha...	21.077	149	5394	0.300	ng	100
36) Indeno(1,2,3-cd)pyrene	25.453	276	15283	0.378	ng	100
37) Benzo(b)fluoranthene	22.657	252	13282	0.390	ng	97
38) Benzo(k)fluoranthene	22.701	252	13024	0.382	ng	98
39) Benzo(a)pyrene	23.207	252	11853	0.395	ng	98
40) Dibenzo(a,h)anthracene	25.470	278	12176	0.381	ng	97
41) Benzo(g,h,i)perylene	26.104	276	12020	0.353	ng	99

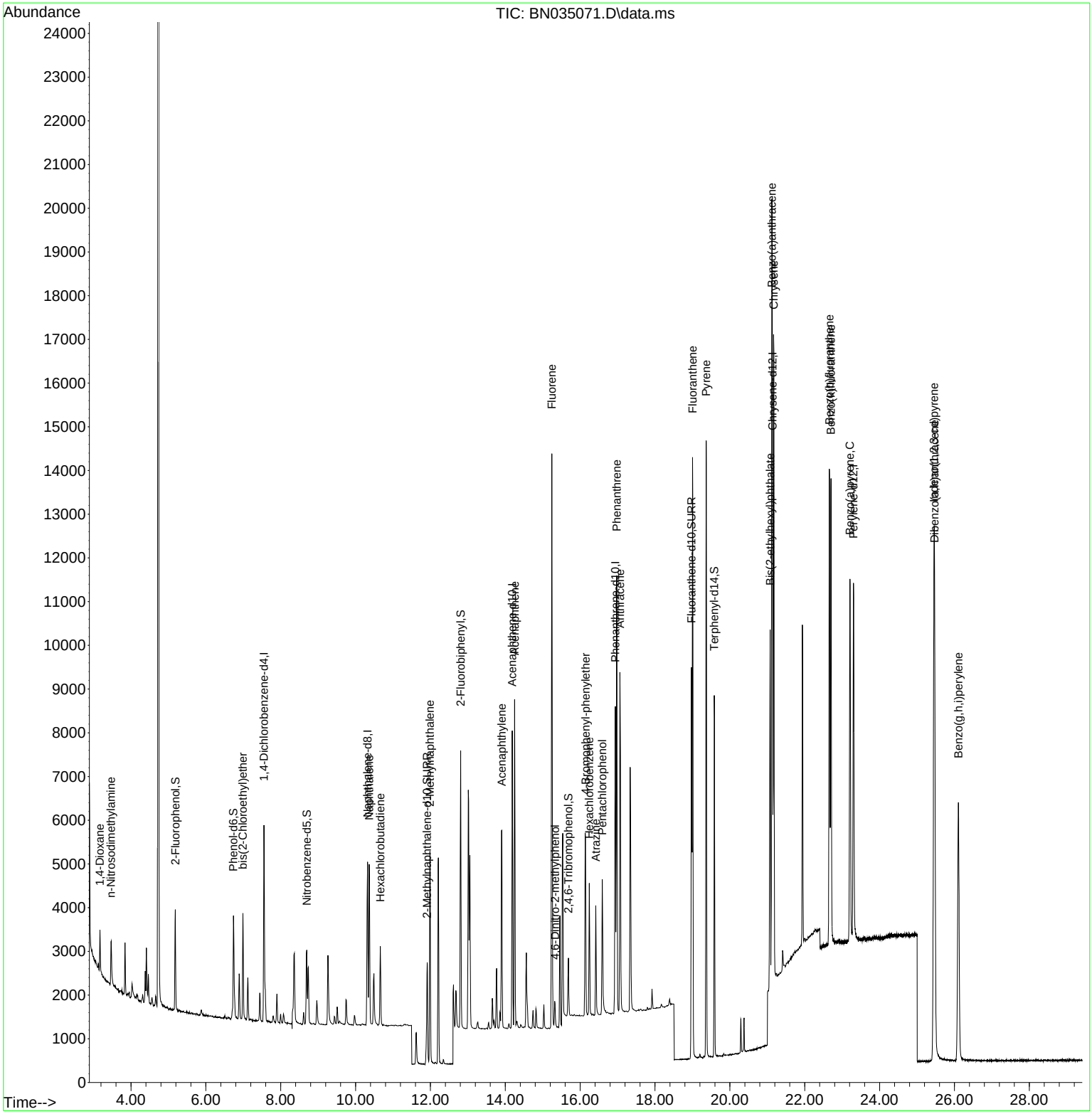
(#) = qualifier out of range (m) = manual integration (+) = signals summed

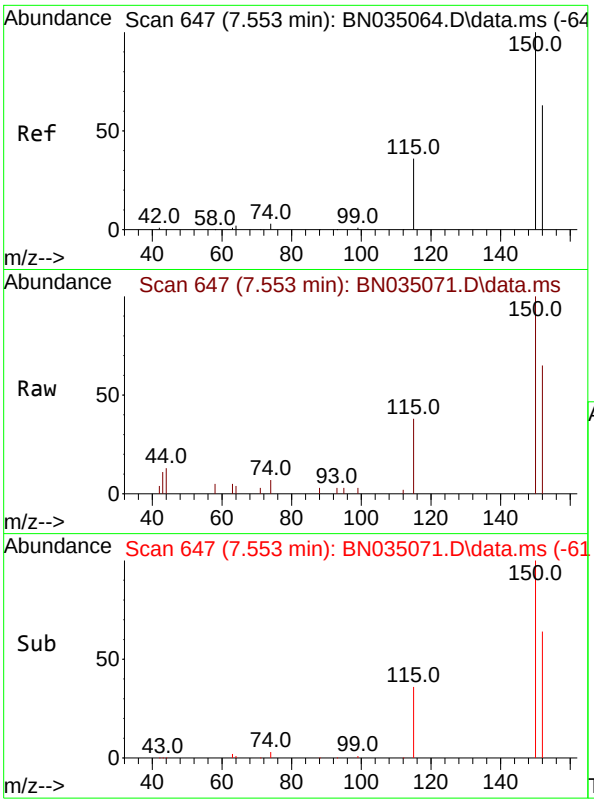
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035071.D
Acq On : 13 Nov 2024 18:03
Operator : RC/JU
Sample : PB164785BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Quant Time: Nov 14 02:06:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration



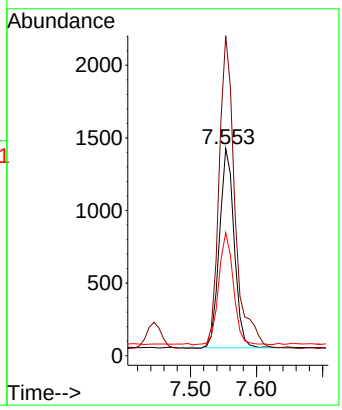


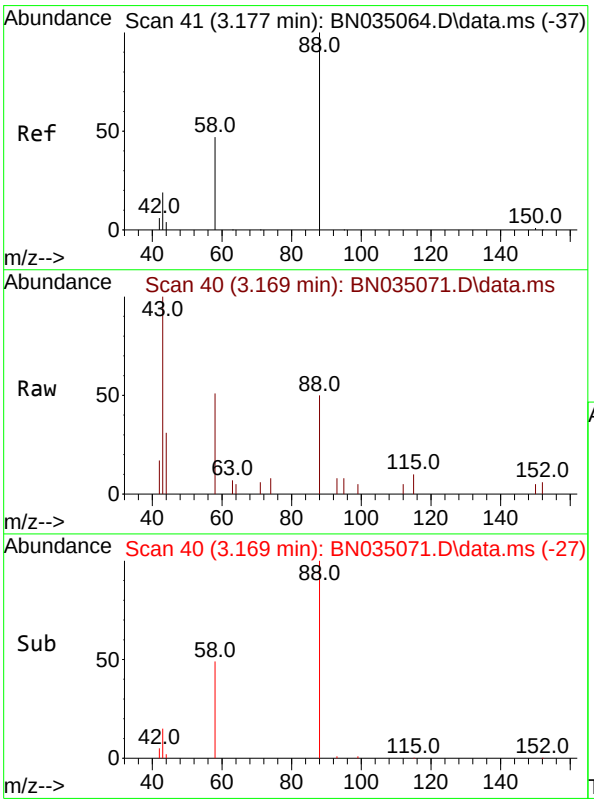
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:152 Resp: 2135

Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.5	186.7
115	59.4	47.8	71.6

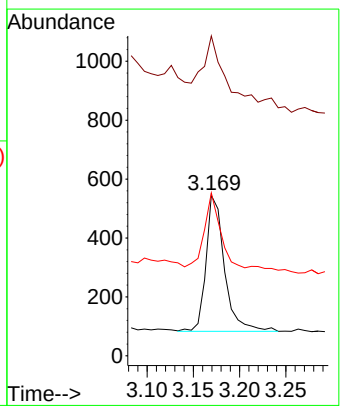


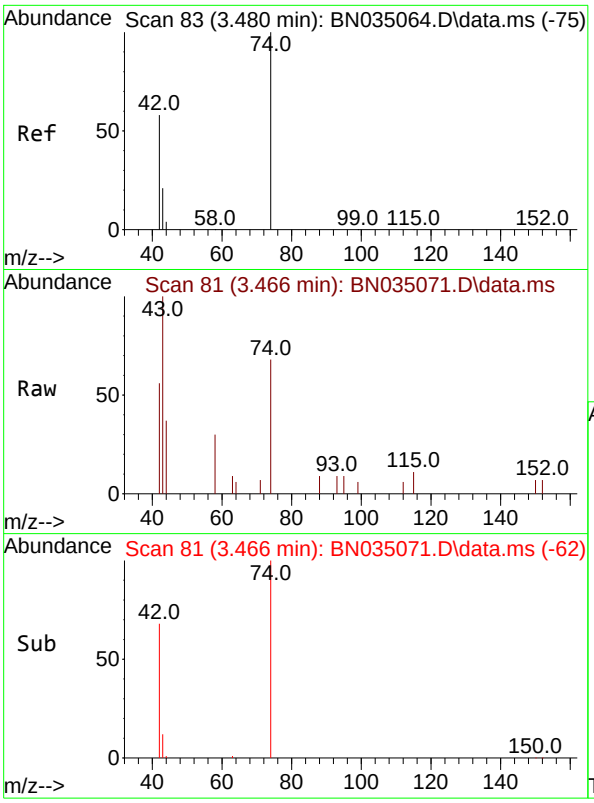


#2
1,4-Dioxane
Concen: 0.331 ng
RT: 3.169 min Scan# 40
Delta R.T. -0.007 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion: 88 Resp: 641

Ion	Ratio	Lower	Upper
88	100		
43	70.2	16.9	25.3#
58	53.8	39.0	58.4



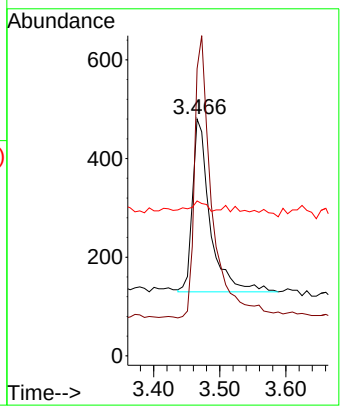


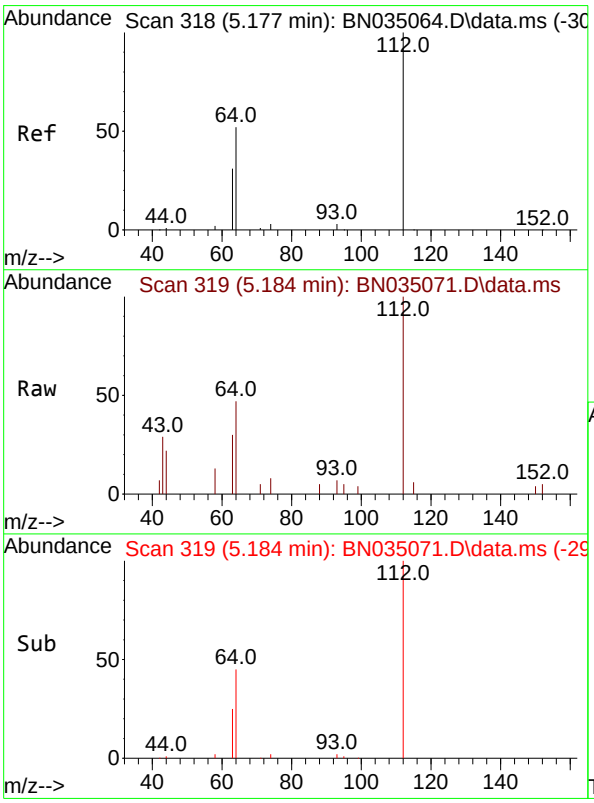
#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.466 min Scan# 8
Delta R.T. -0.014 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion: 42 Resp: 646

Ion	Ratio	Lower	Upper
42	100		
74	164.6	120.8	181.2
44	6.0	2.9	4.3#

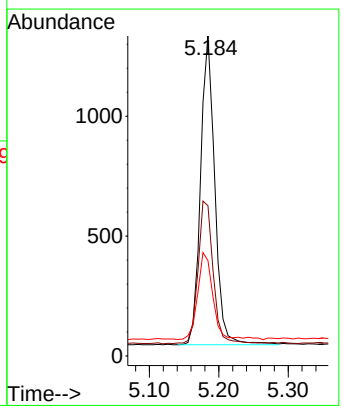


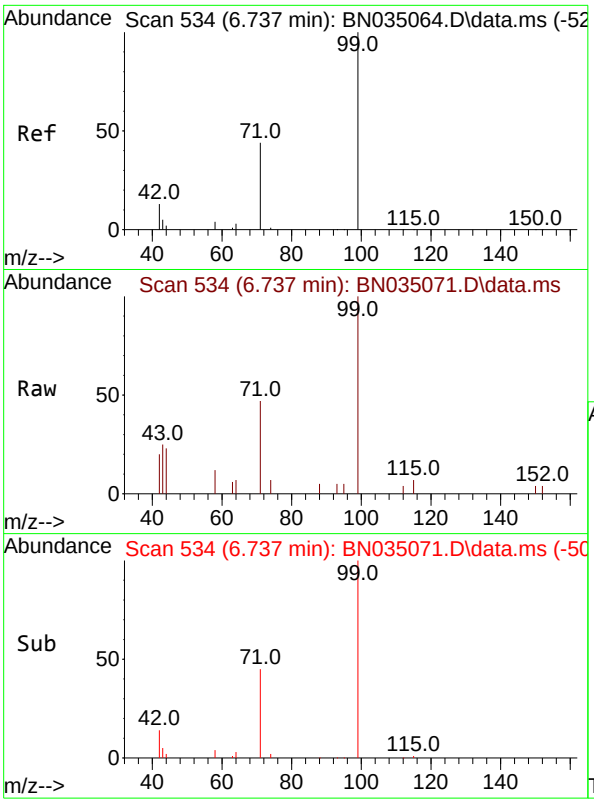


#4
2-Fluorophenol
Concen: 0.339 ng
RT: 5.184 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:112 Resp: 1835

Ion	Ratio	Lower	Upper
112	100		
64	48.7	39.7	59.5
63	29.1	23.0	34.4



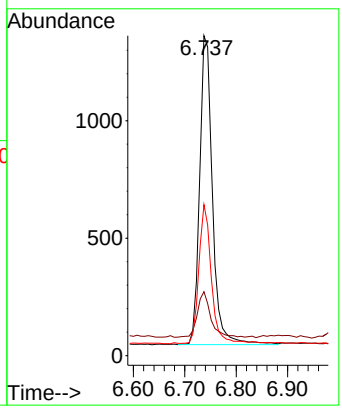


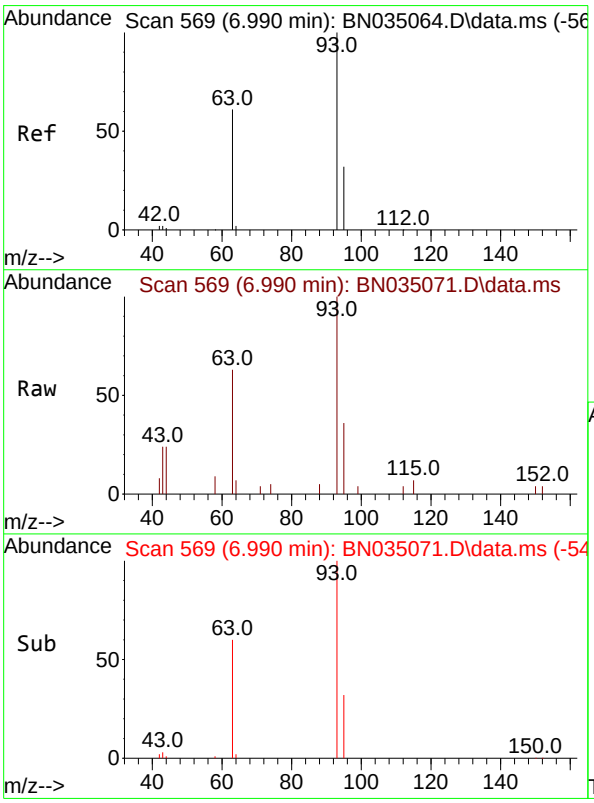
#5
Phenol-d6
Concen: 0.336 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion: 99 Resp: 2286

Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.4	17.0
71	43.2	34.6	51.8

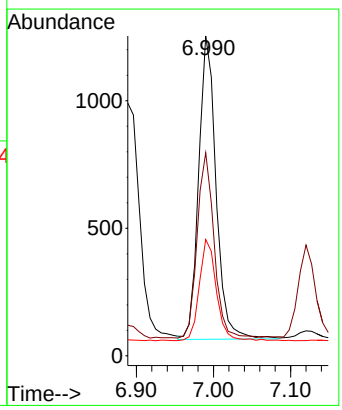


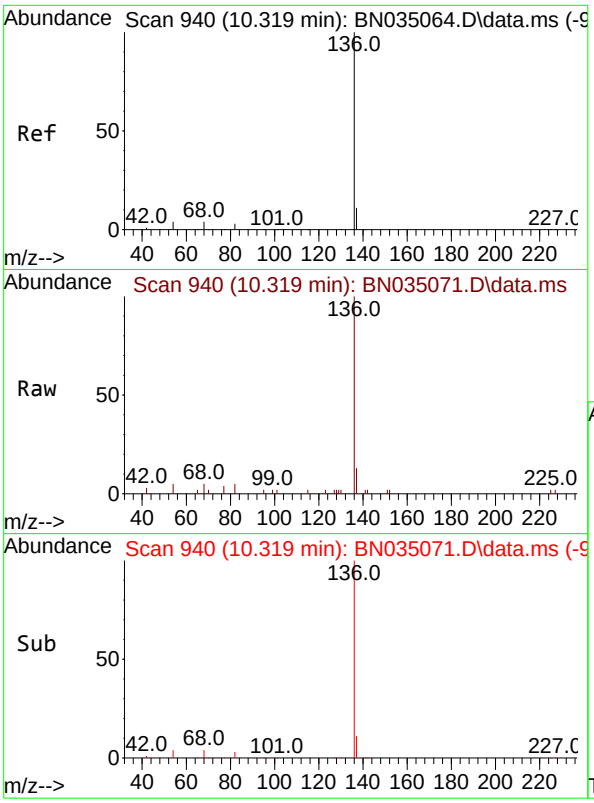


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion: 93 Resp: 1861

Ion	Ratio	Lower	Upper
93	100		
63	58.9	47.4	71.2
95	33.1	26.2	39.4



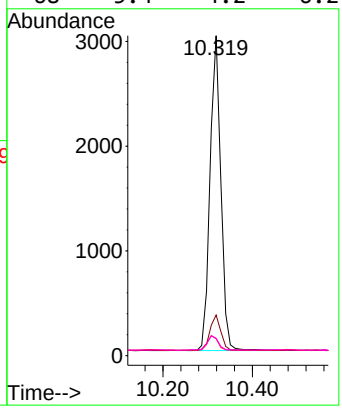


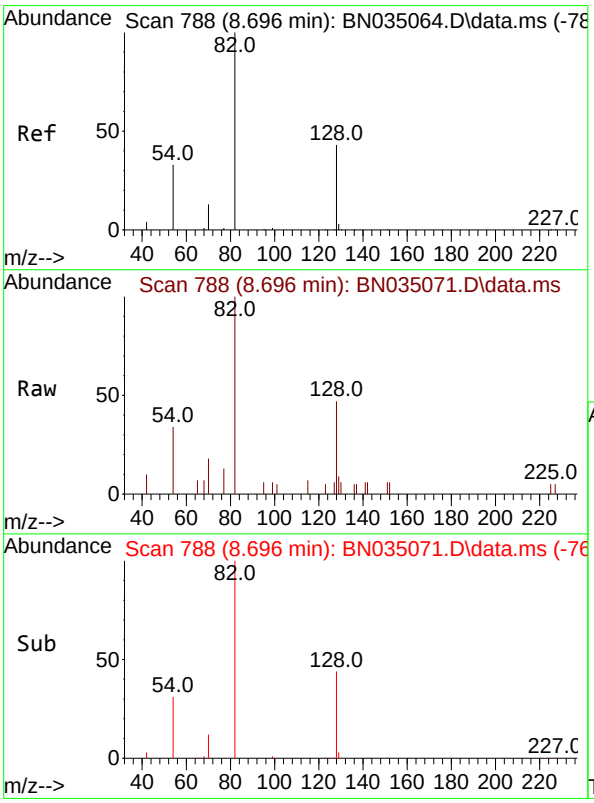
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:136 Resp: 5031

Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.8	14.8
54	5.3	4.0	6.0
68	5.4	4.2	6.2

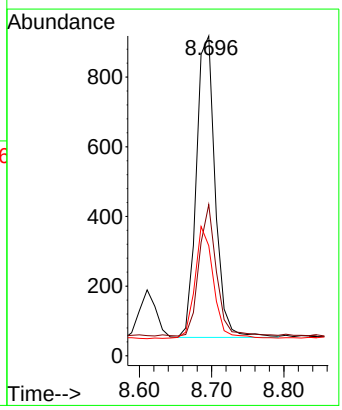


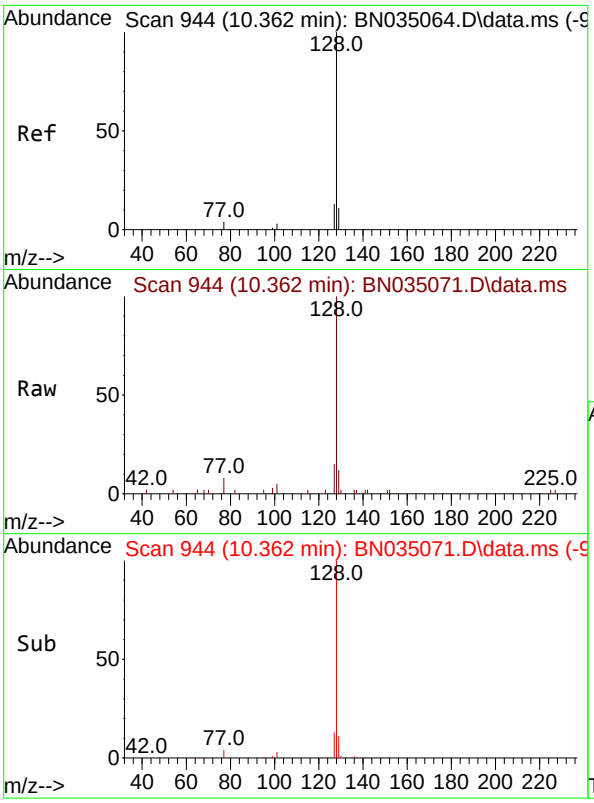


#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion: 82 Resp: 1574

Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.5	54.7
54	34.4	28.7	43.1



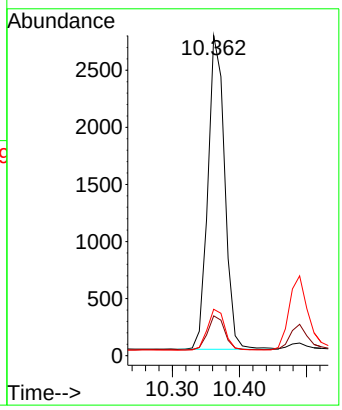


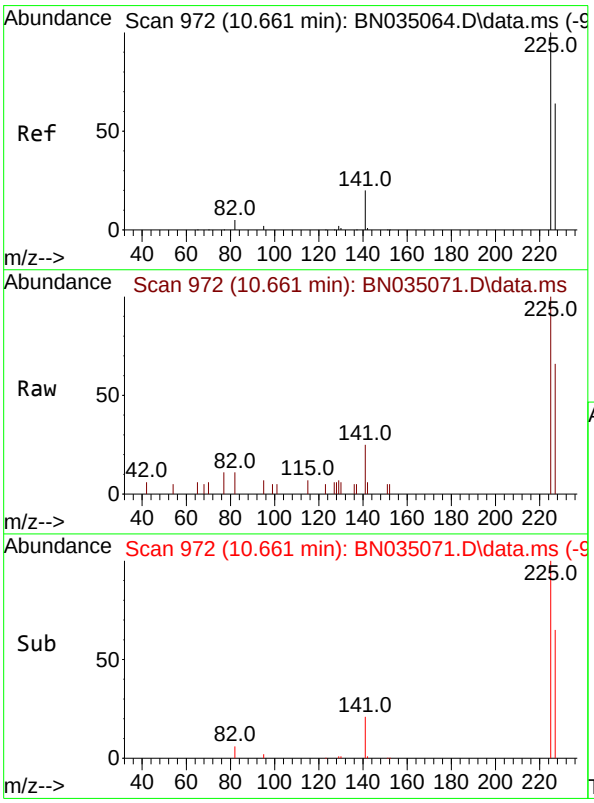
#9
Naphthalene
Concen: 0.363 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:128 Resp: 4767

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.6	14.4
127	14.5	11.6	17.4

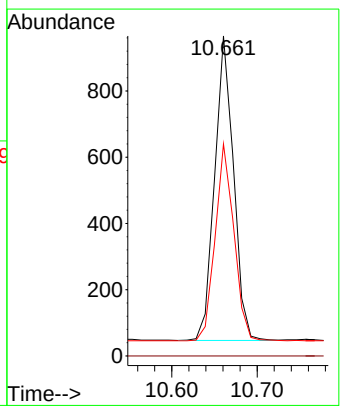


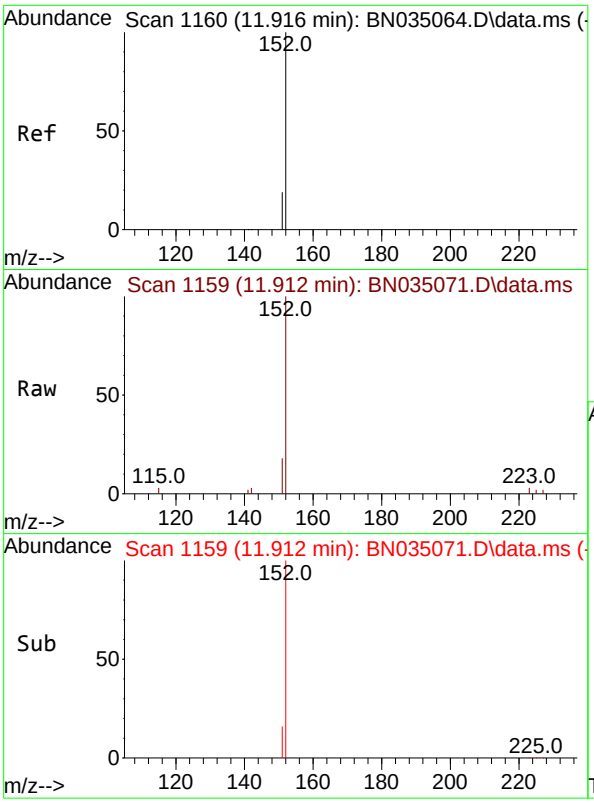


#10
Hexachlorobutadiene
Concen: 0.366 ng
RT: 10.661 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:225 Resp: 1410

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.5	77.3



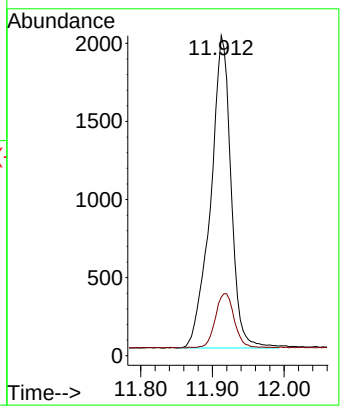


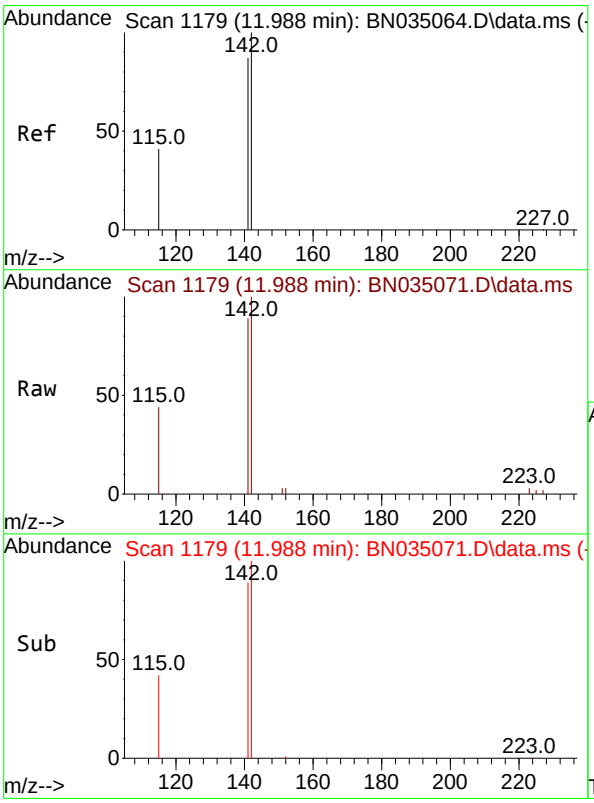
#11
2-Methylnaphthalene-d10
Concen: 0.440 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:152 Resp: 3949

Ion	Ratio	Lower	Upper
152	100		
151	16.1	16.2	24.4#

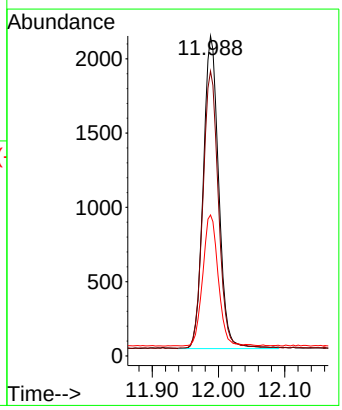


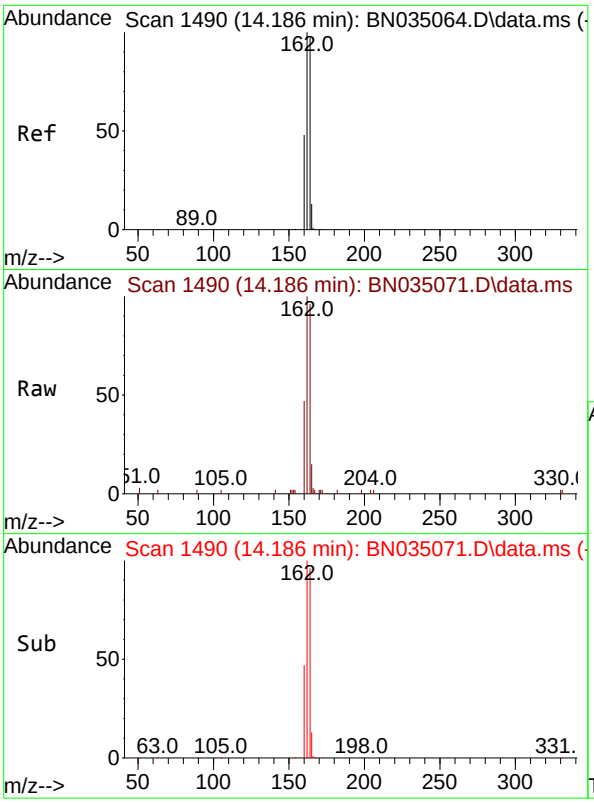


#12
2-Methylnaphthalene
Concen: 0.351 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:142 Resp: 3402

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.1	105.1
115	44.1	34.4	51.6



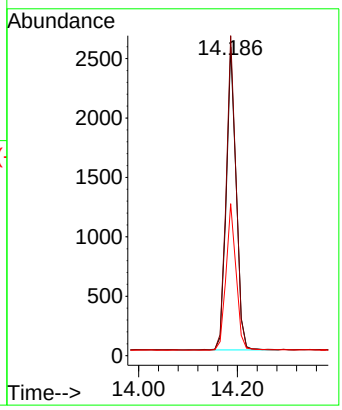


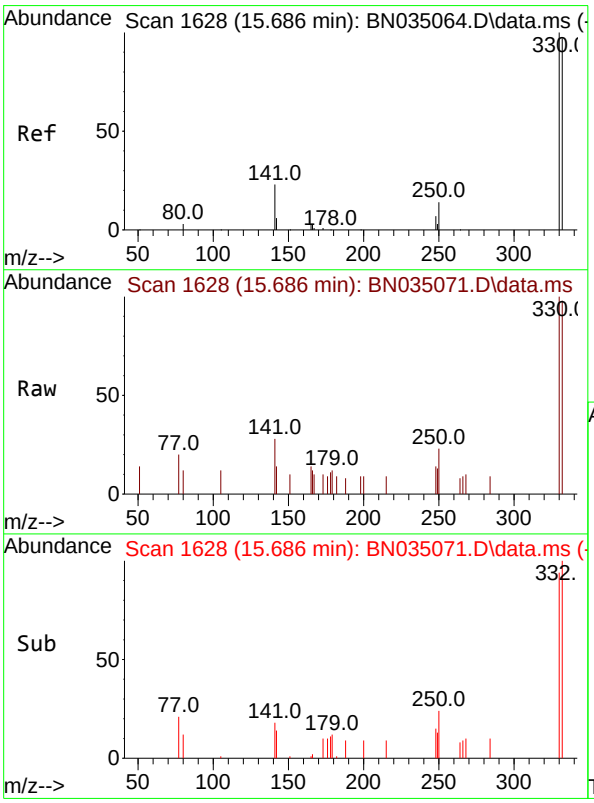
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:164 Resp: 3550

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.2	123.2
160	49.2	40.2	60.4

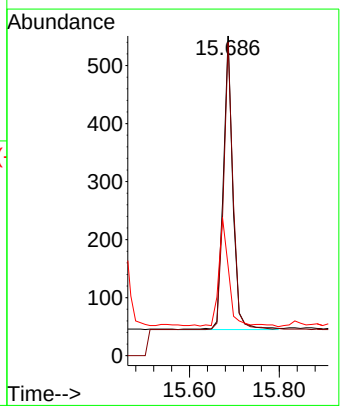


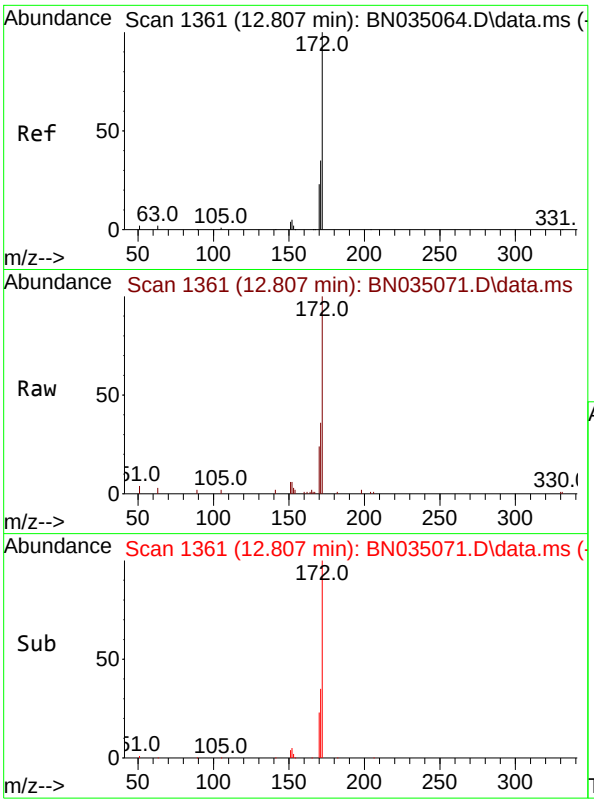


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.686 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:330 Resp: 749

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	39.7	29.6	44.4



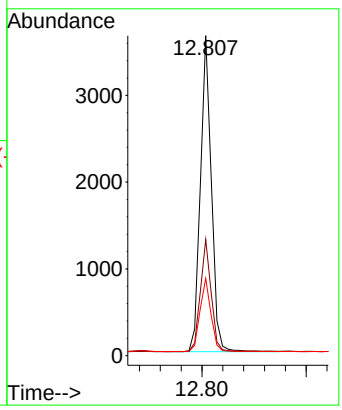


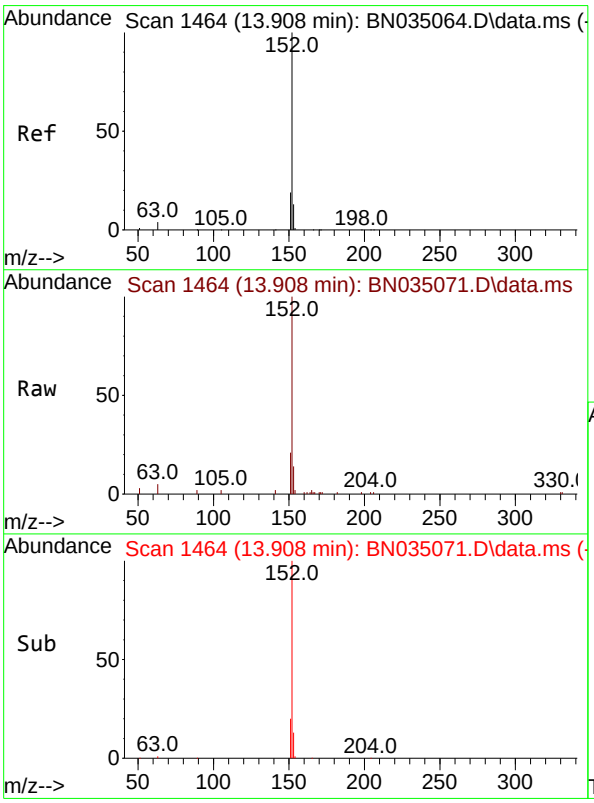
#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.807 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:172 Resp: 5331

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.2	42.4
170	24.1	19.0	28.6

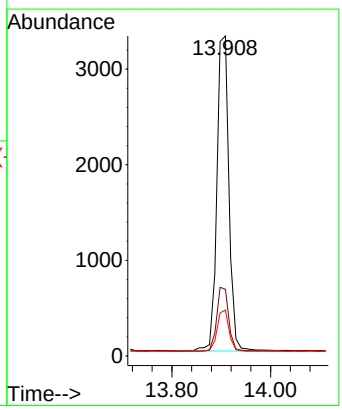


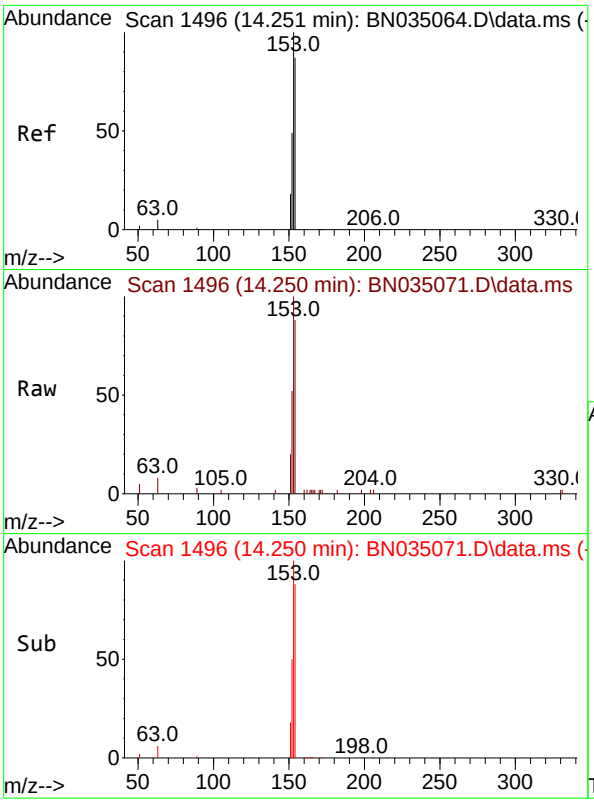


#16
Acenaphthylene
Concen: 0.367 ng
RT: 13.908 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:152 Resp: 5574

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.2	15.4



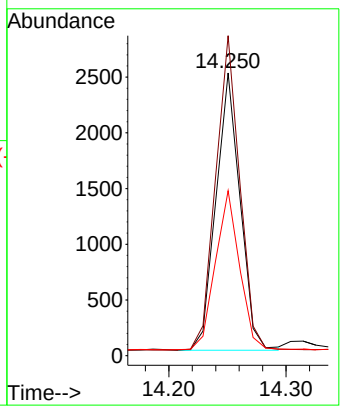


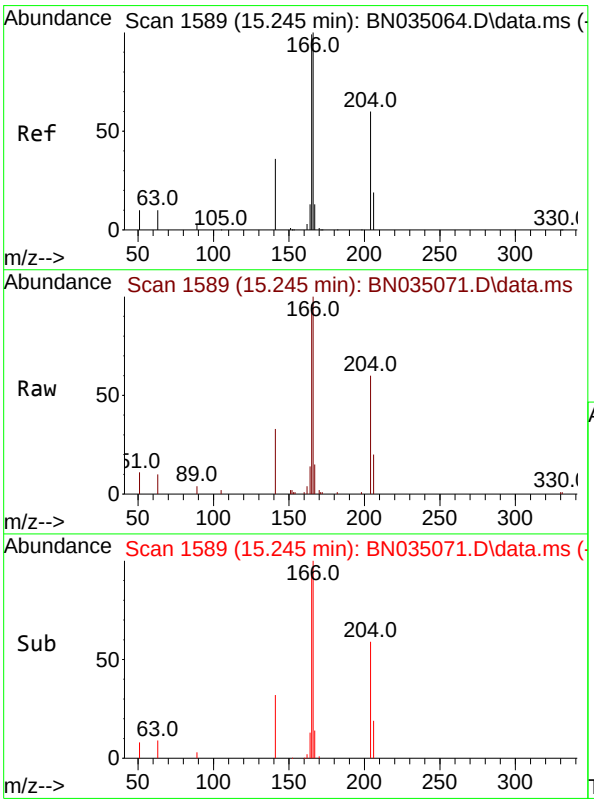
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.250 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:154 Resp: 3556

Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.6	137.4
152	57.5	45.8	68.6

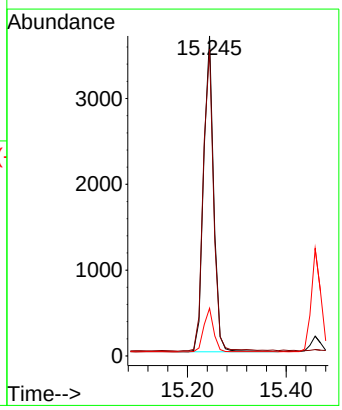


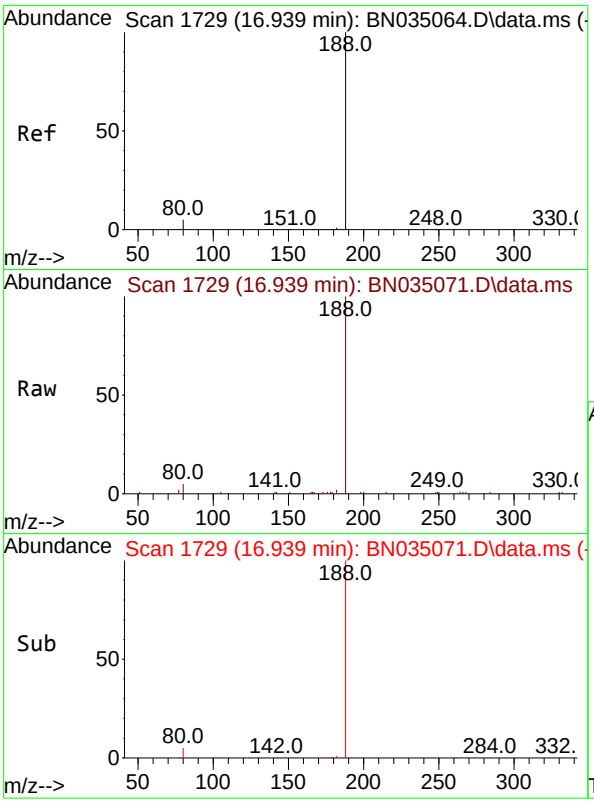


#18
Fluorene
Concen: 0.355 ng
RT: 15.245 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:166 Resp: 5198

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.1	118.7
167	13.5	10.6	16.0



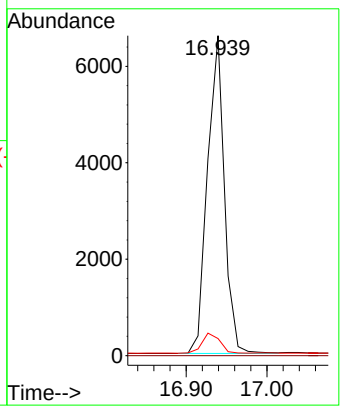


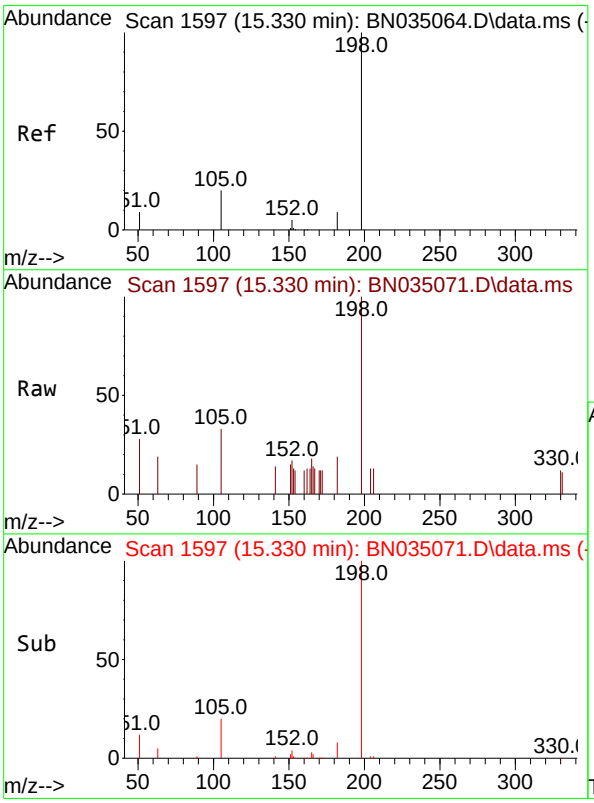
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:188 Resp: 9574

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.3	4.3	6.5

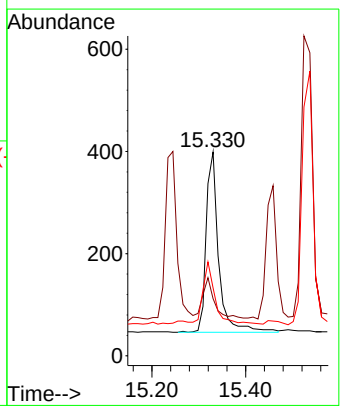


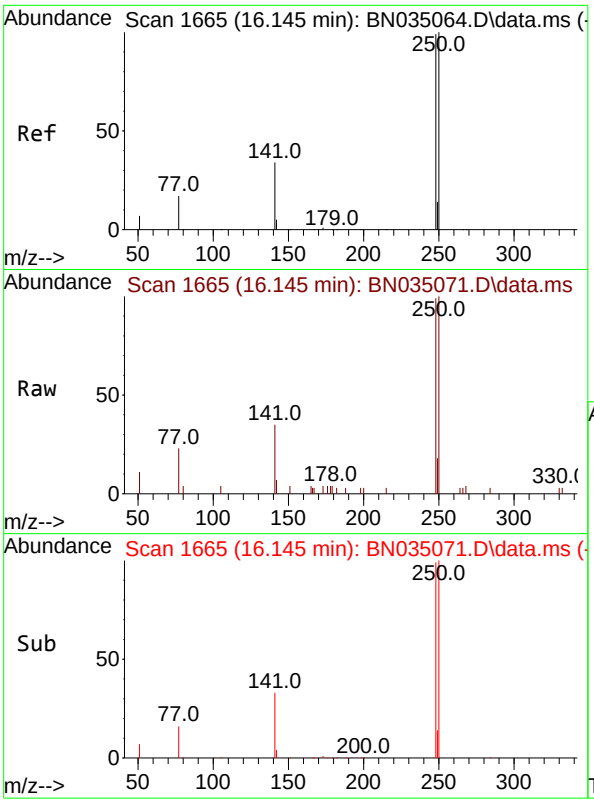


#20
4,6-Dinitro-2-methylphenol
Concen: 0.327 ng
RT: 15.330 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:198 Resp: 652

Ion	Ratio	Lower	Upper
198	100		
51	28.1	29.9	44.9#
105	33.3	23.7	35.5



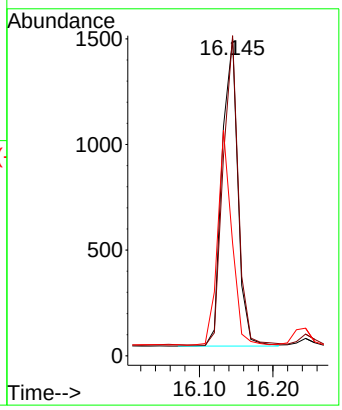


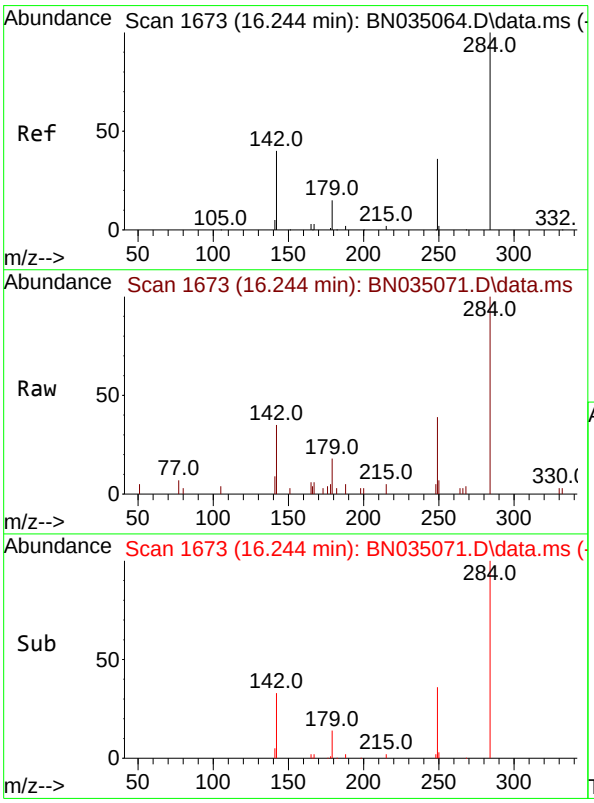
#21
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.145 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:248 Resp: 2176

Ion	Ratio	Lower	Upper
248	100		
250	101.0	81.2	121.8
141	35.5	29.1	43.7

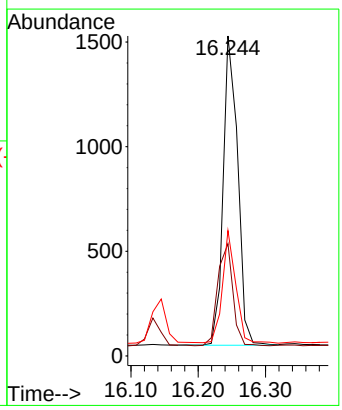


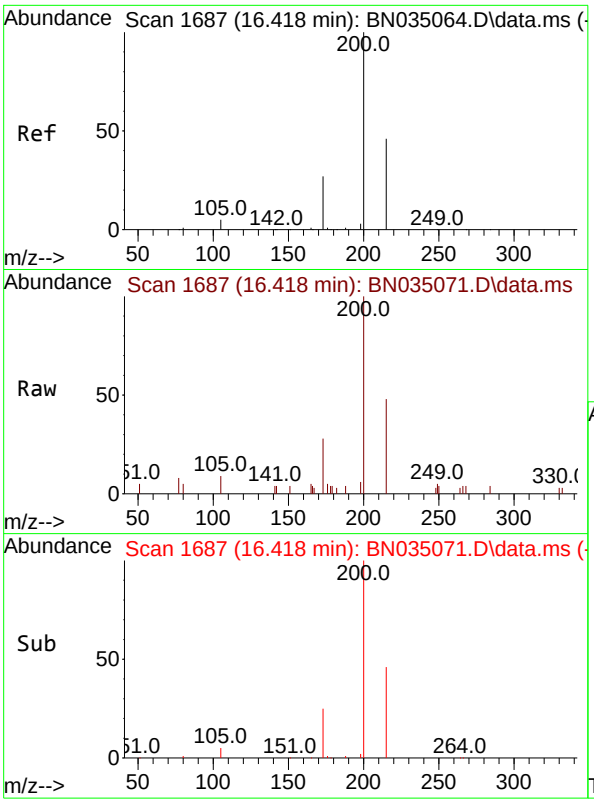


#22
Hexachlorobenzene
Concen: 0.348 ng
RT: 16.244 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:284 Resp: 2204

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.2	42.4
249	33.6	26.2	39.2



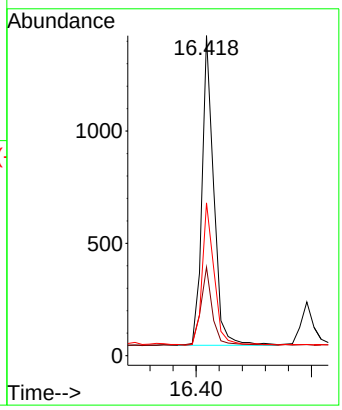


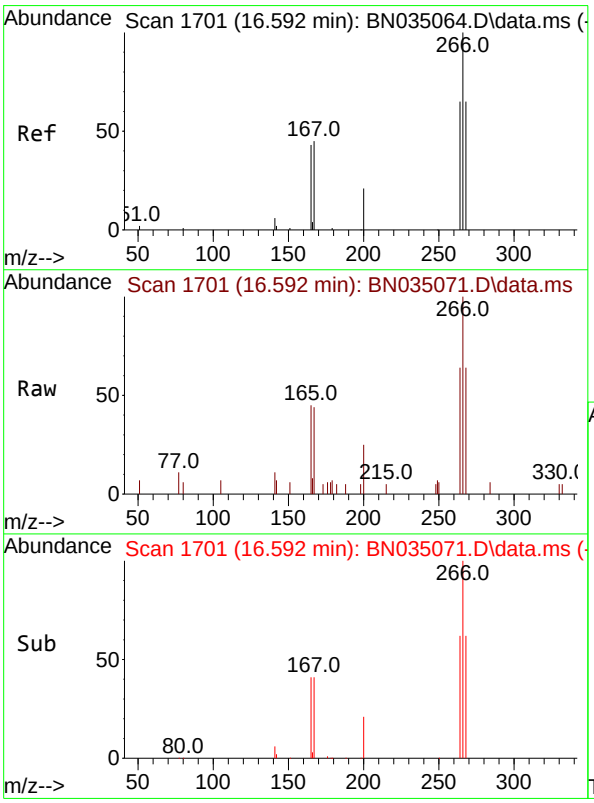
#23
Atrazine
Concen: 0.357 ng
RT: 16.418 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:200 Resp: 1955

Ion	Ratio	Lower	Upper
200	100		
173	27.6	22.6	33.8
215	47.7	37.8	56.6

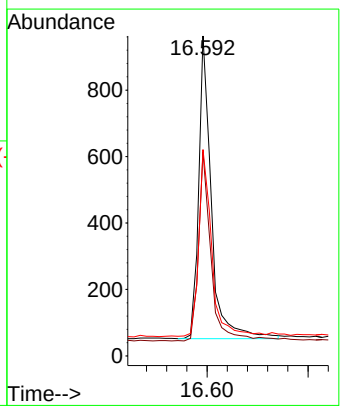


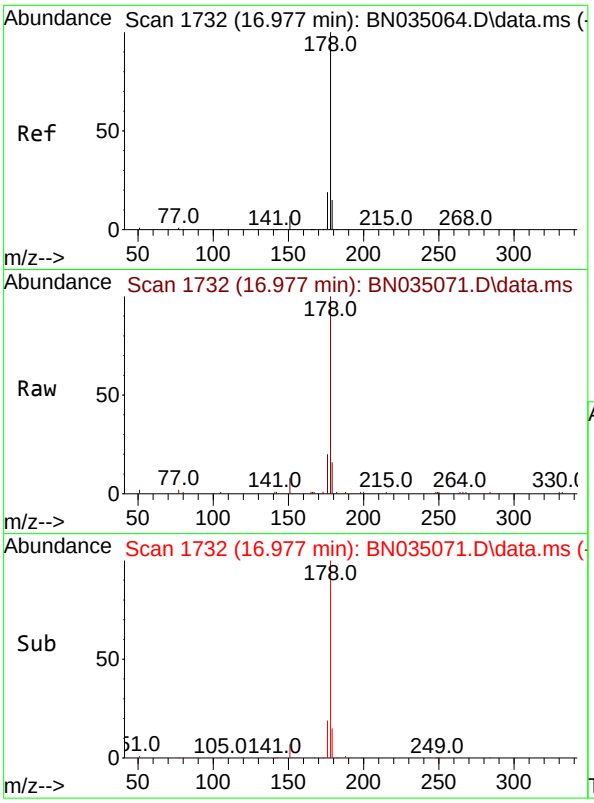


#24
Pentachlorophenol
Concen: 0.536 ng
RT: 16.592 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:266 Resp: 1586

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.4	74.0
268	63.9	52.6	79.0



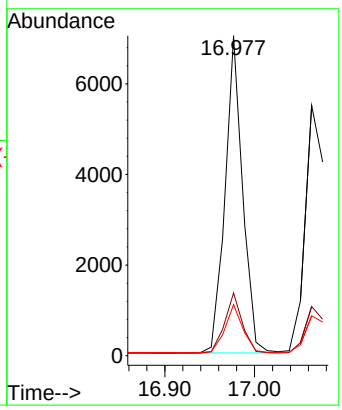


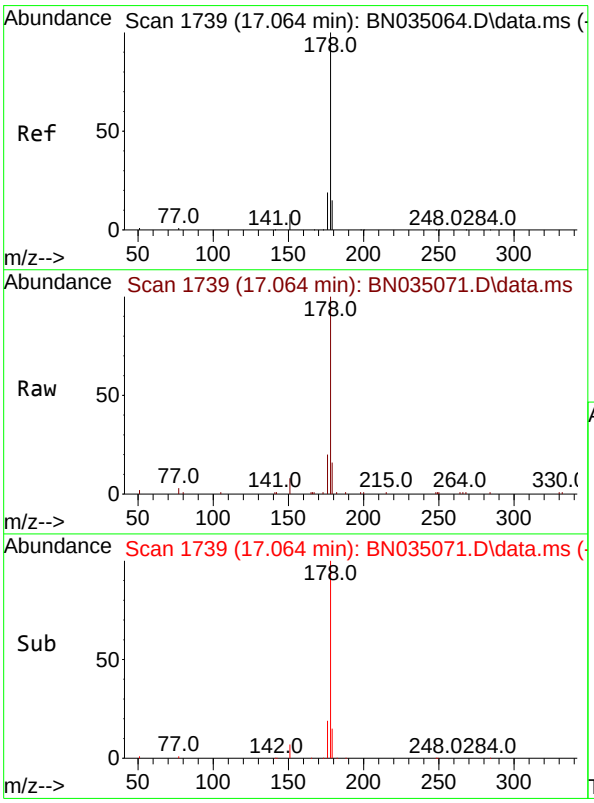
#25
Phenanthrene
Concen: 0.378 ng
RT: 16.977 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:178 Resp: 9514

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.3	12.6	18.8

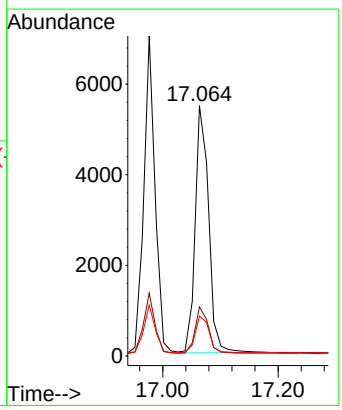


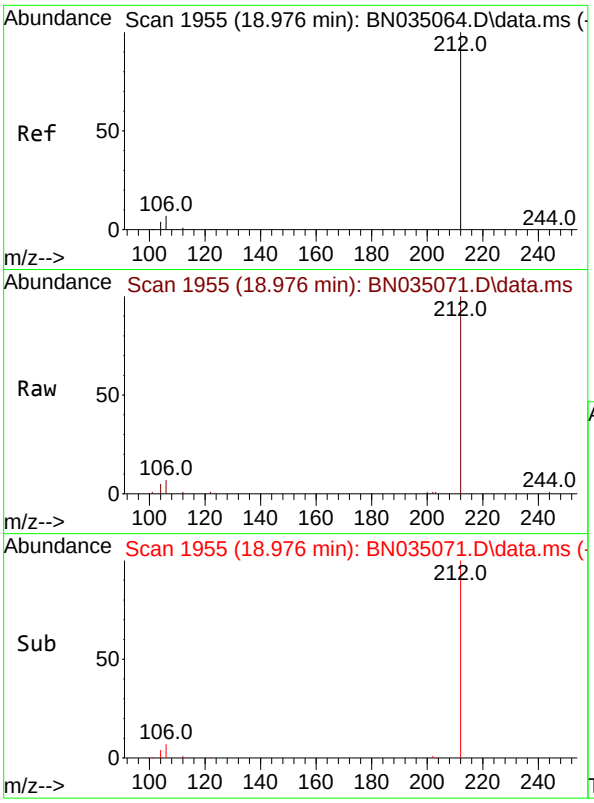


#26
Anthracene
Concen: 0.383 ng
RT: 17.064 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:178 Resp: 8859

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.7	12.2	18.2





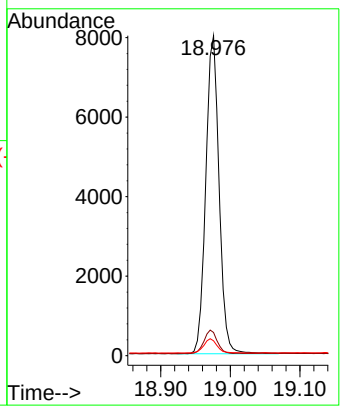
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 18.976 min Scan# 1

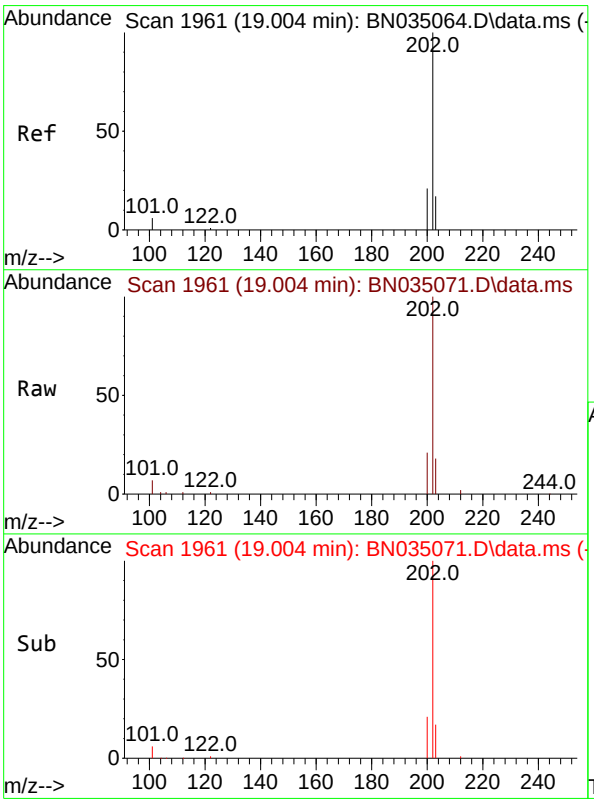
Instrument :
BNA_N
ClientSampleId :
PB164785BS

Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:212 Resp: 10606

Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.5	3.5	5.3

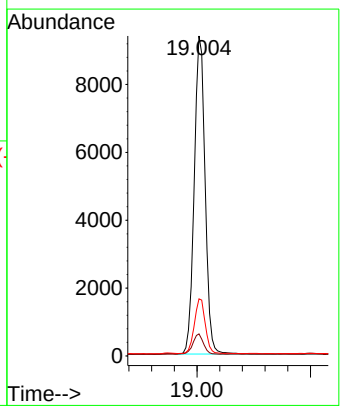


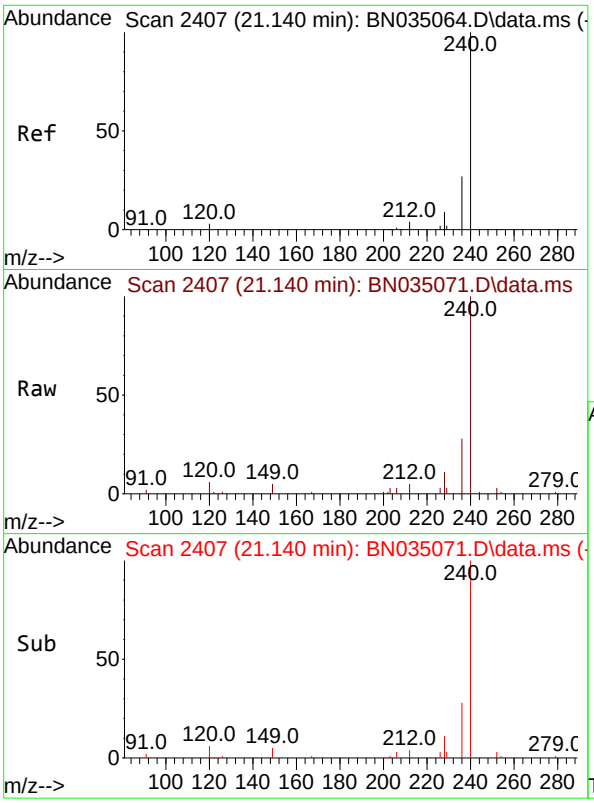


#28
Fluoranthene
Concen: 0.359 ng
RT: 19.004 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:202 Resp: 12433

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.2	7.8
203	17.3	13.8	20.8



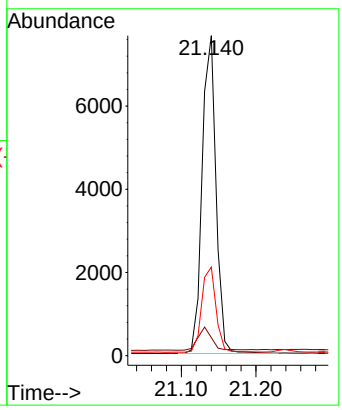


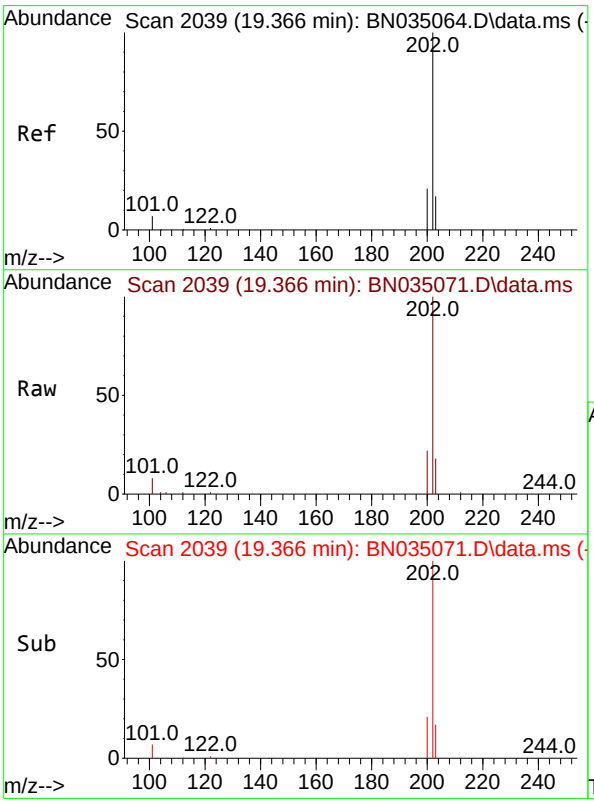
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.140 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:240 Resp: 9856

Ion	Ratio	Lower	Upper
240	100		
120	5.7	3.8	5.6#
236	27.7	22.2	33.2

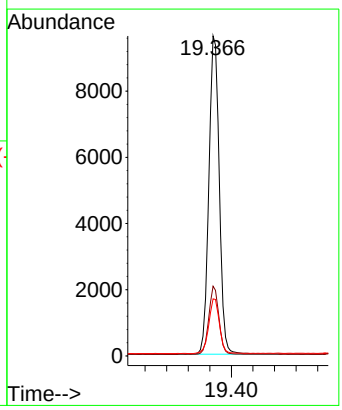


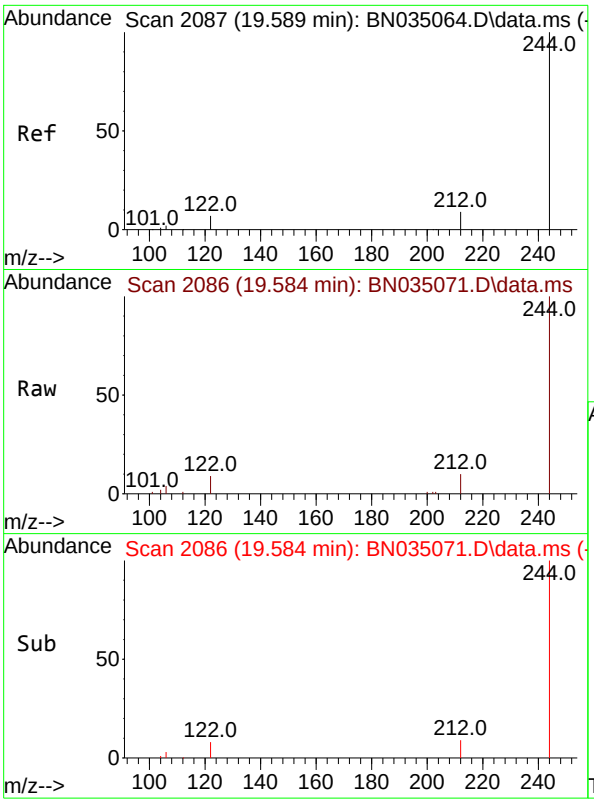


#30
Pyrene
Concen: 0.392 ng
RT: 19.366 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:202 Resp: 12859

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.6	14.2	21.4



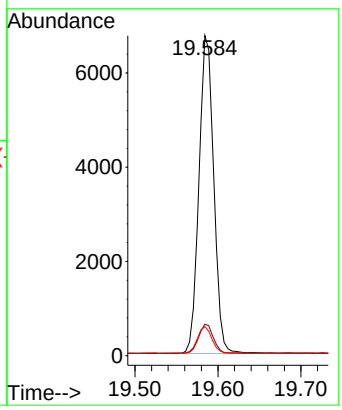


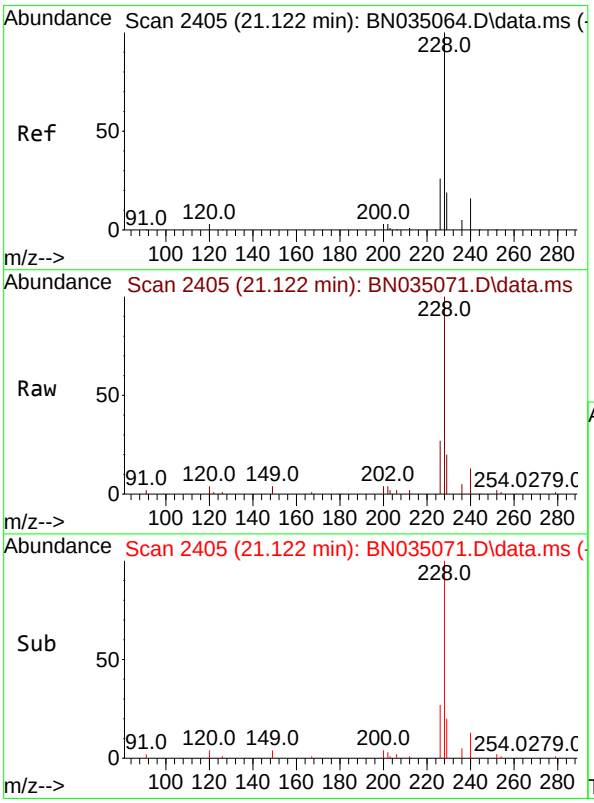
#31
Terphenyl-d14
Concen: 0.406 ng
RT: 19.584 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:244 Resp: 8396

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.6	11.4
122	9.1	6.1	9.1

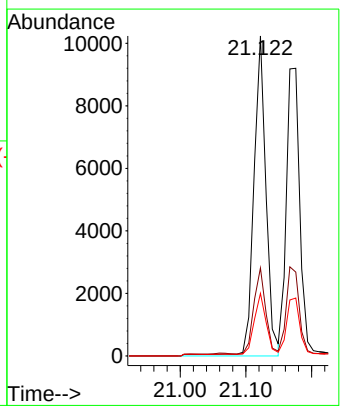


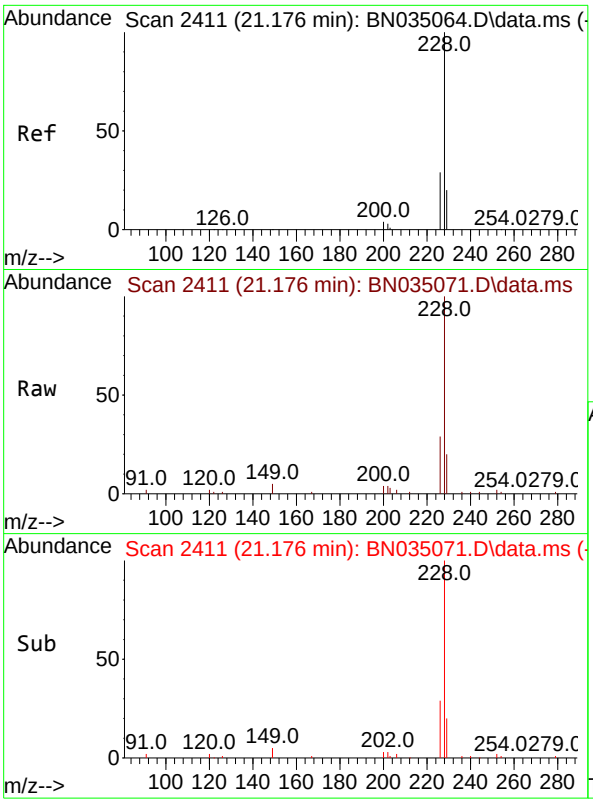


#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:228 Resp: 12519

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	19.6	15.7	23.5



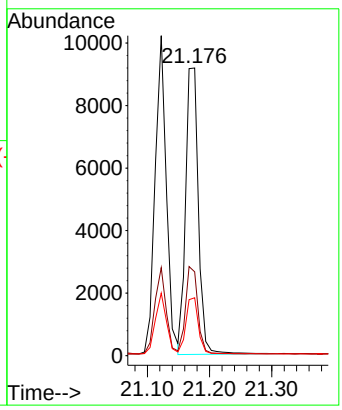


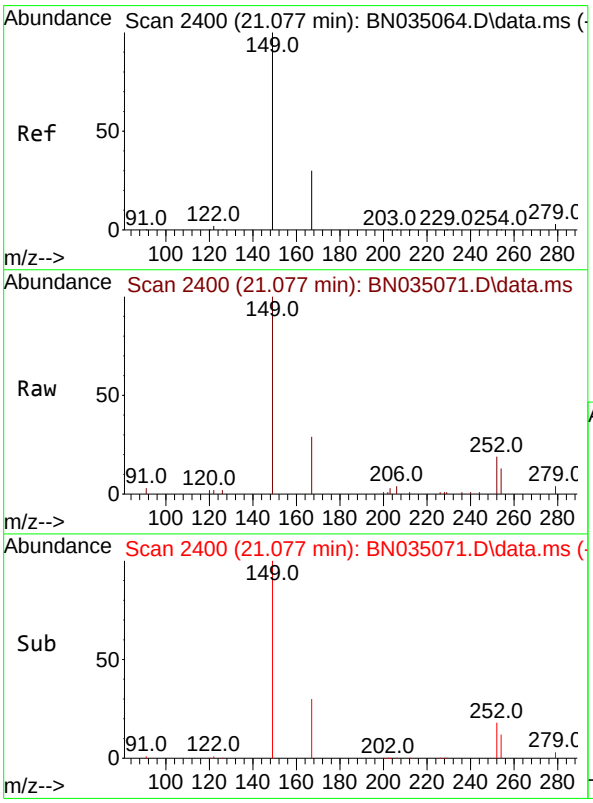
#33
Chrysene
Concen: 0.386 ng
RT: 21.176 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:228 Resp: 13127

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.7	35.5
229	20.2	16.2	24.4

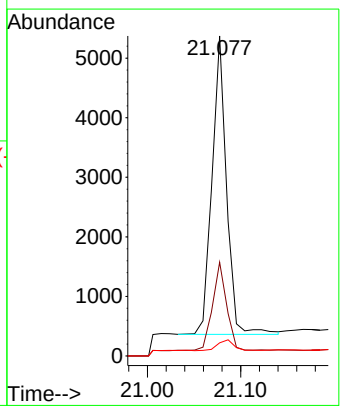


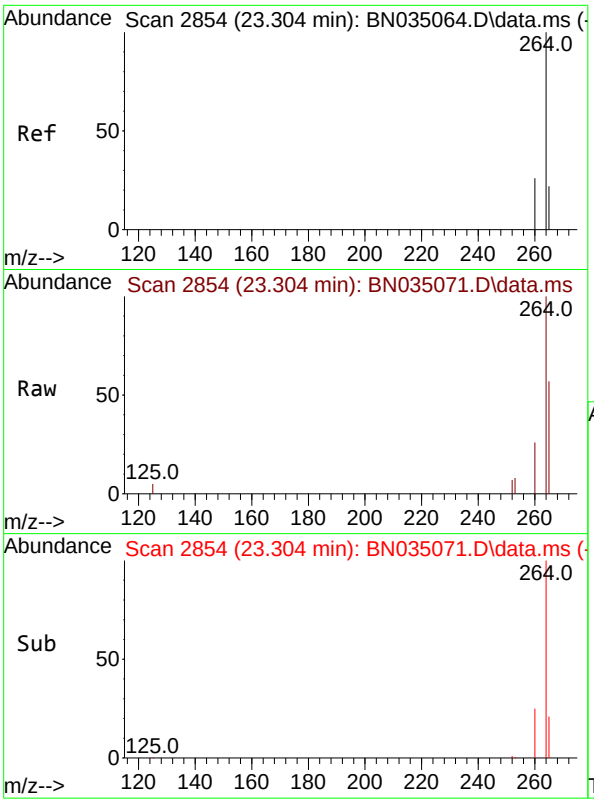


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.300 ng
RT: 21.077 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:149 Resp: 5394

Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.2	34.8
279	4.2	3.2	4.8



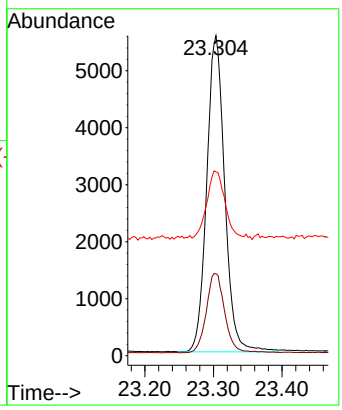


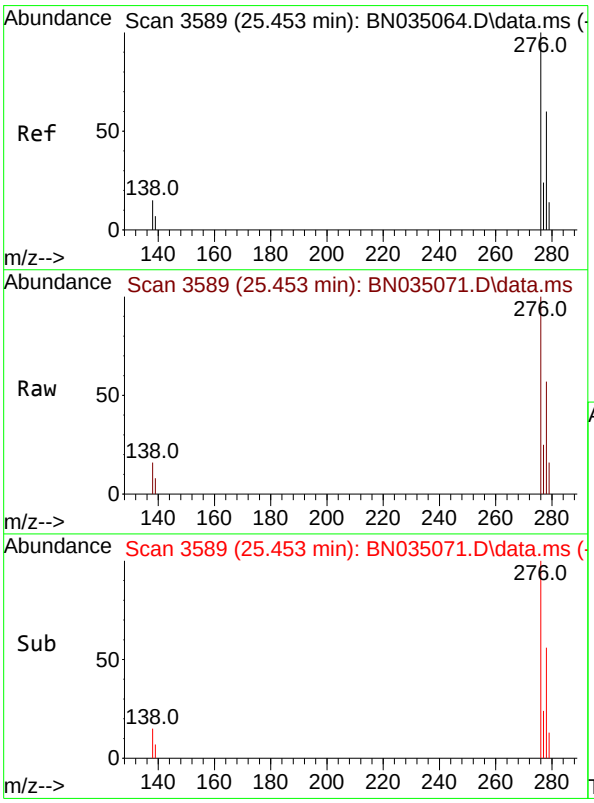
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:264 Resp: 10124

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.9	31.3
265	57.5	35.4	53.2#

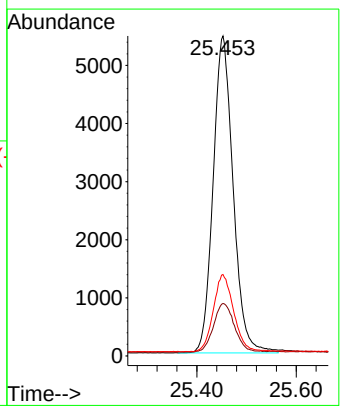


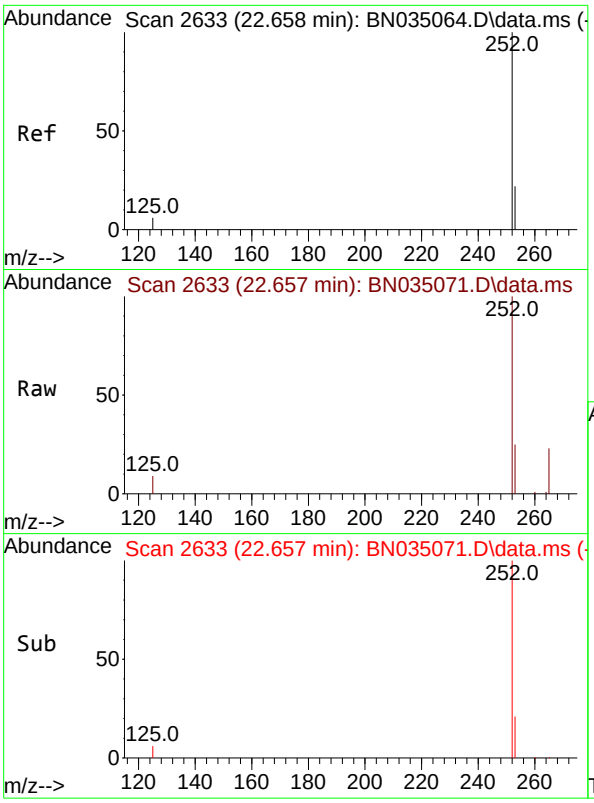


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.378 ng
RT: 25.453 min Scan# 3589
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:276 Resp: 15283

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.0	19.4
277	24.6	19.8	29.6



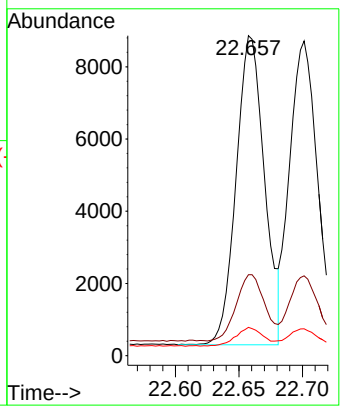


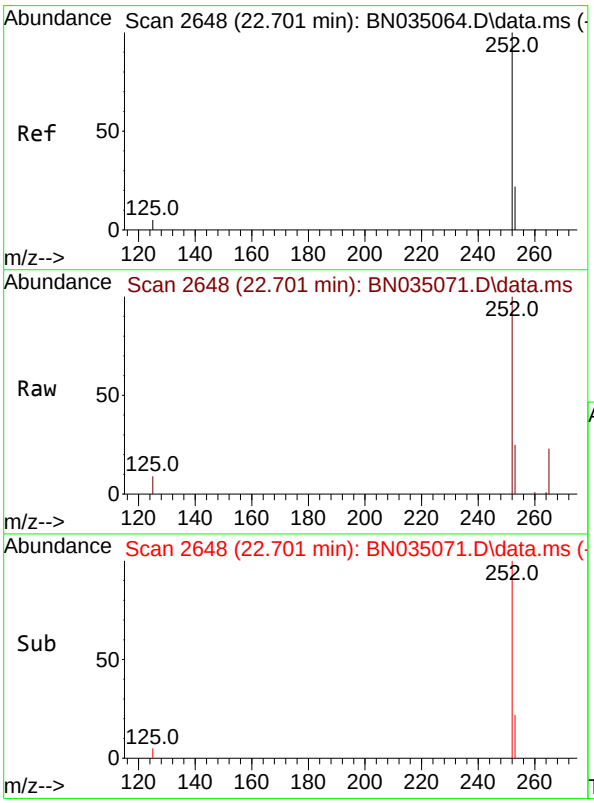
#37
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 22.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:252 Resp: 13282

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.3	28.9
125	8.8	6.2	9.2

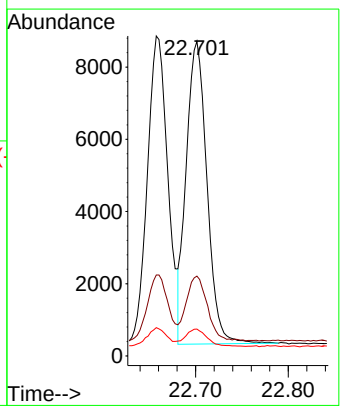


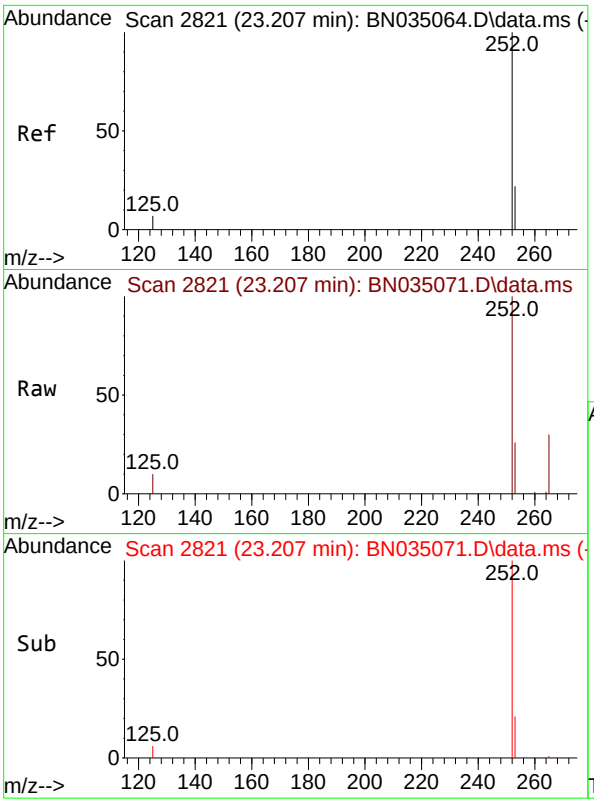


#38
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 22.701 min Scan# 2648
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:252 Resp: 13024

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.5	29.3
125	8.6	6.5	9.7



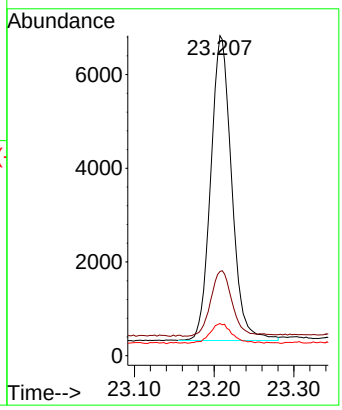


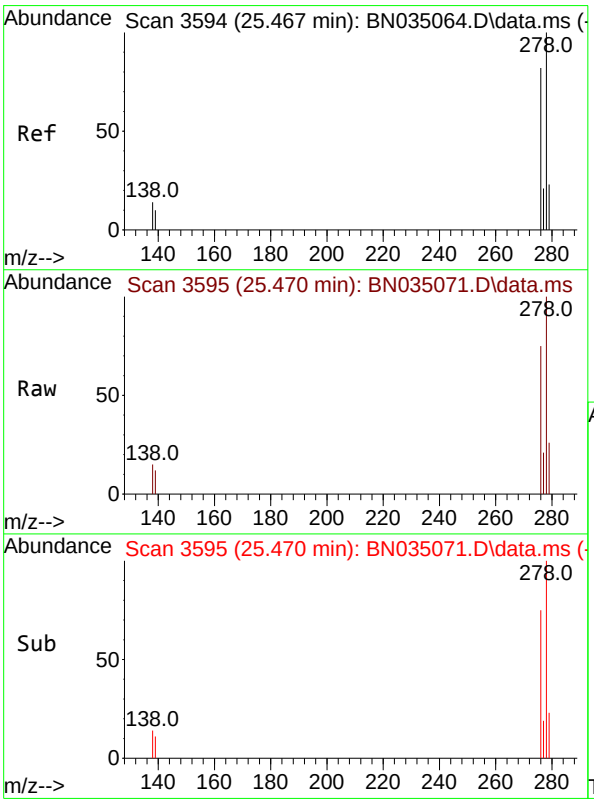
#39
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.207 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:252 Resp: 11853

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.1	30.1
125	10.1	7.5	11.3

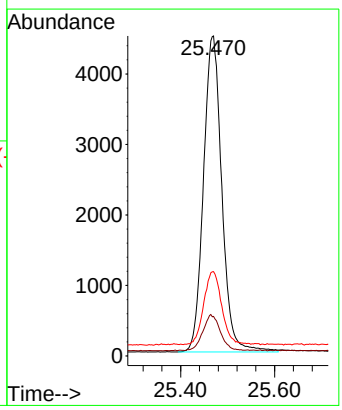


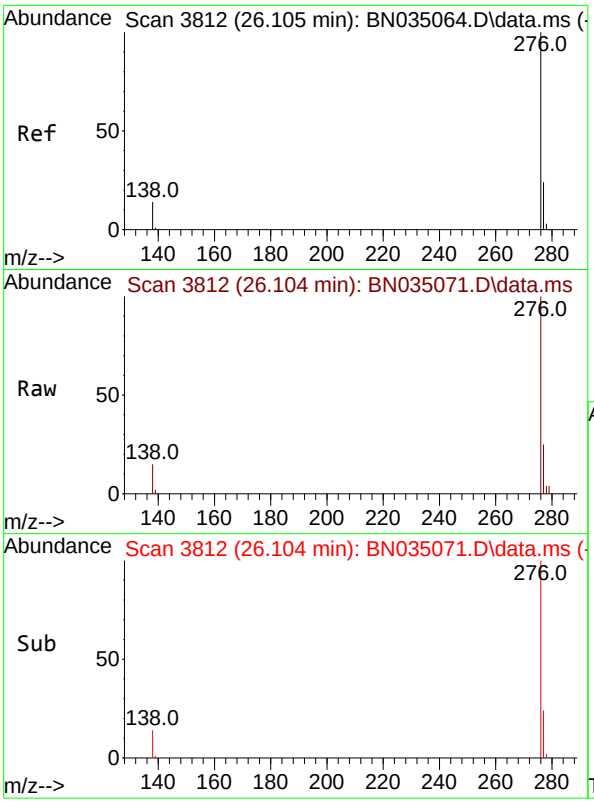


#40
Dibenzo(a,h)anthracene
Concen: 0.381 ng
RT: 25.470 min Scan# 3595
Delta R.T. 0.003 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Tgt Ion:278 Resp: 12176

Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.3	13.9
279	26.4	19.7	29.5





#41
Benzo(g,h,i)perylene
Concen: 0.353 ng
RT: 26.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035071.D
Acq: 13 Nov 2024 18:03

Instrument :
BNA_N
ClientSampleId :
PB164785BS

Tgt Ion:276 Resp: 12020

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	15.5	11.6	17.4