Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
Data File : BN034860.D
Acq On : 05 Nov 2024 03:33
Operator : RC/JU
Sample : PB164594BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Quant Time: Nov 05 04:06:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN103024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 00:03:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	6749	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	19671	0.400	ng	0.00
13) Acenaphthene-d10	14.222	164	8893	0.400	ng	0.00
19) Phenanthrene-d10	16.970	188	15802	0.400	ng	0.00
29) Chrysene-d12	21.160	240	5819	0.400	ng	# 0.00
35) Perylene-d12	23.338	264	4708	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	7214	0.353	ng	0.00
5) Phenol-d6	6.766	99	9762	0.367	ng	0.00
8) Nitrobenzene-d5	8.728	82	6015	0.389	ng	0.00
11) 2-Methylnaphthalene-d10	11.950	152	13746	0.483	ng	0.00
14) 2,4,6-Tribromophenol	15.716	330	742	0.169	ng	0.00
15) 2-Fluorobiphenyl	12.843	172	15269	0.436	ng	0.00
27) Fluoranthene-d10	19.001	212	11742	0.317	ng	0.00
31) Terphenyl-d14	19.610	244	6548	0.524	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.206	88	2848	0.385	ng	# 44
3) n-Nitrosodimethylamine	3.494	42	4447	0.533	ng	# 83
6) bis(2-Chloroethyl)ether	7.026	93	8920	0.460	ng	94
9) Naphthalene	10.404	128	22538	0.414	ng	99
10) Hexachlorobutadiene	10.703	225	3557	0.397	ng	# 99
12) 2-Methylnaphthalene	12.022	142	13714	0.385	ng	97
16) Acenaphthylene	13.934	152	17846	0.400	ng	100
17) Acenaphthene	14.286	154	11944	0.402	ng	94
18) Fluorene	15.270	166	14326	0.387	ng	99
20) 4,6-Dinitro-2-methylph...	15.355	198	563	0.366	ng	89
21) 4-Bromophenyl-phenylether	16.175	248	3665	0.401	ng	# 90
22) Hexachlorobenzene	16.275	284	4511	0.441	ng	93
23) Atrazine	16.448	200	2499	0.317	ng	96
24) Pentachlorophenol	16.622	266	1399	0.317	ng	99
25) Phenanthrene	17.007	178	20226	0.435	ng	99
26) Anthracene	17.094	178	17921	0.412	ng	100
28) Fluoranthene	19.034	202	16959	0.331	ng	99
30) Pyrene	19.396	202	16485	0.542	ng	100
32) Benzo(a)anthracene	21.143	228	9762	0.421	ng	100
33) Chrysene	21.196	228	10851	0.478	ng	99
34) Bis(2-ethylhexyl)phtha...	21.107	149	5095	0.263	ng	96
36) Indeno(1,2,3-cd)pyrene	25.507	276	9759	0.563	ng	93
37) Benzo(b)fluoranthene	22.689	252	9144	0.482	ng	# 90
38) Benzo(k)fluoranthene	22.733	252	9232	0.499	ng	# 91
39) Benzo(a)pyrene	23.244	252	7529	0.481	ng	# 88
40) Dibenzo(a,h)anthracene	25.525	278	7525	0.557	ng	95
41) Benzo(g,h,i)perylene	26.162	276	8203	0.562	ng	93

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 00:03:28 2024
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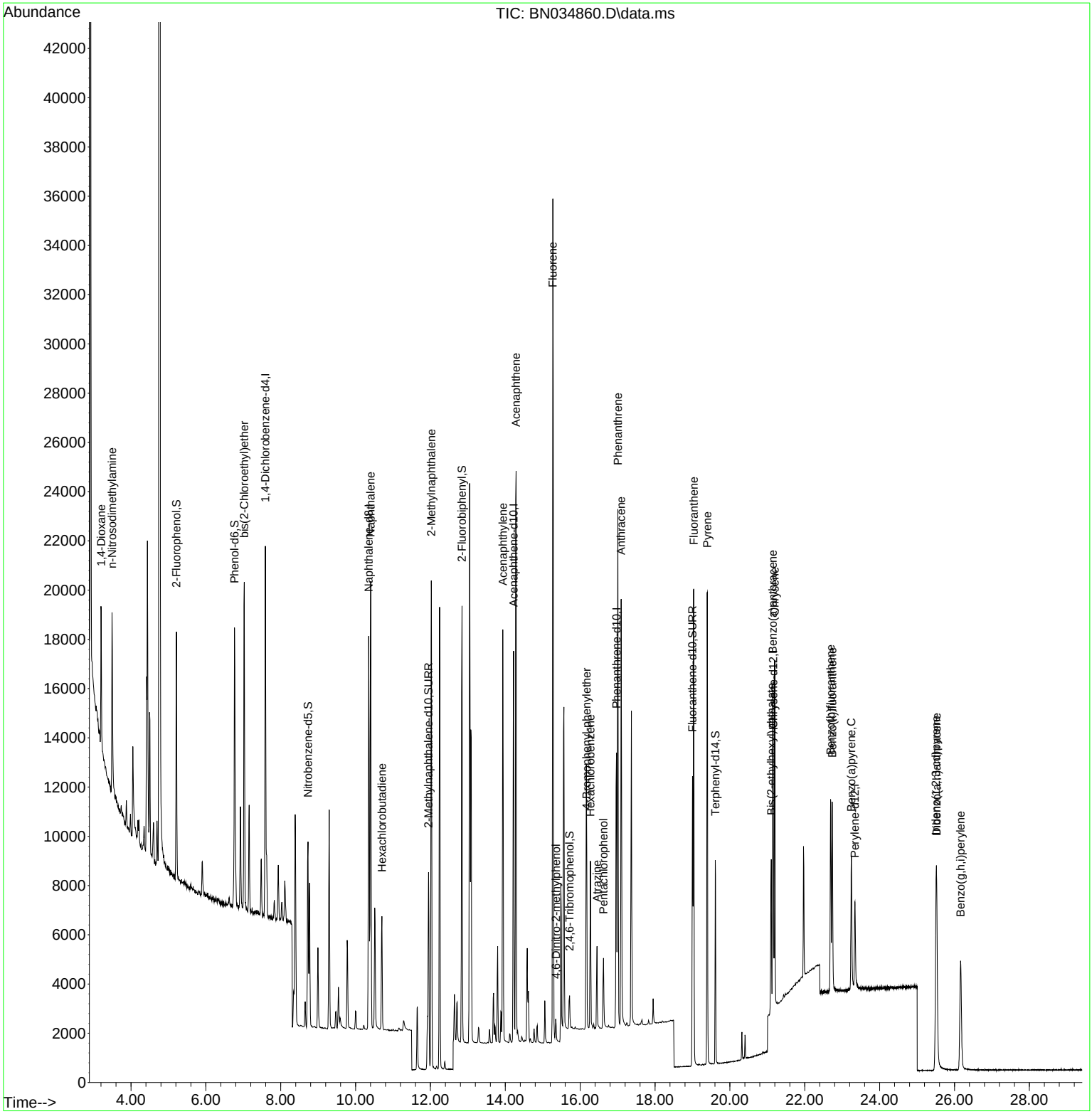
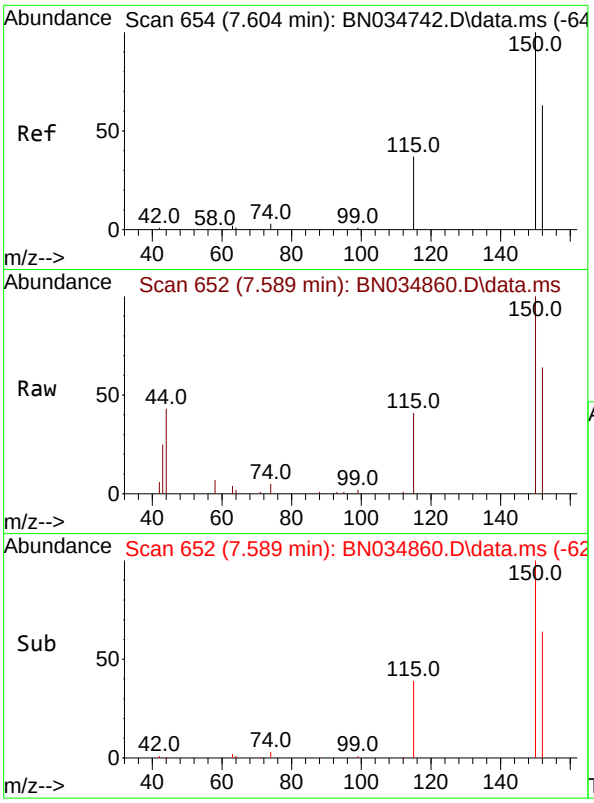


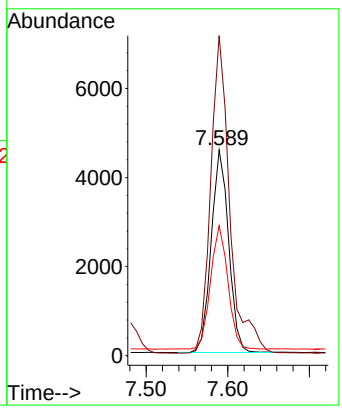


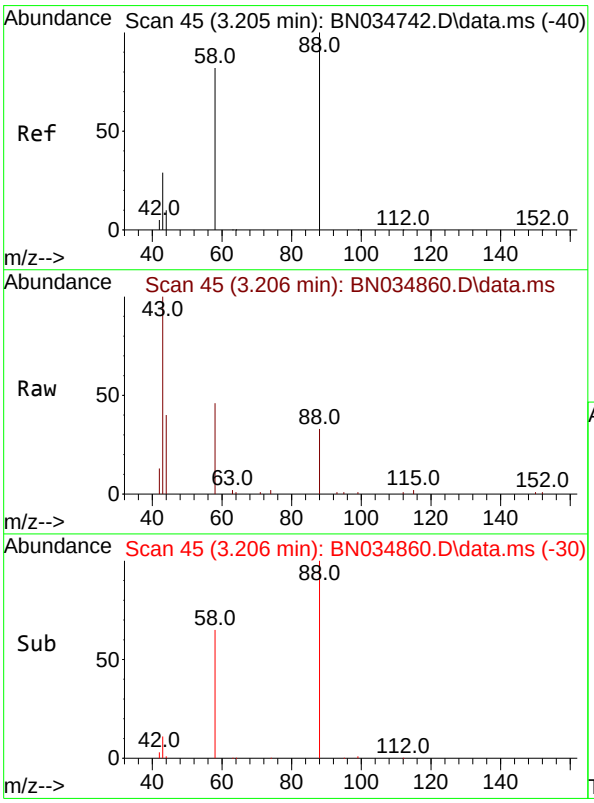
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:152 Resp: 6749

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.9	187.3
115	63.2	50.2	75.2

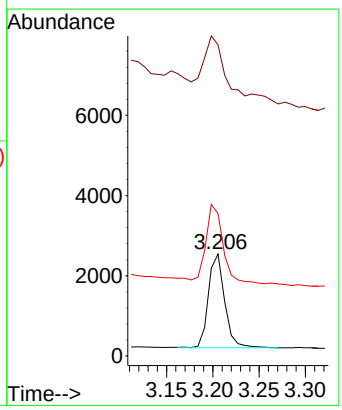


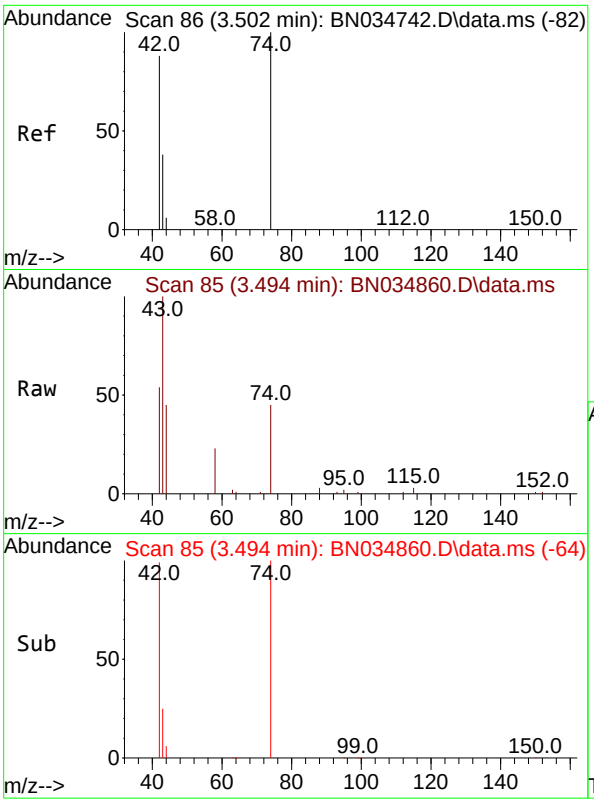


#2
1,4-Dioxane
Concen: 0.385 ng
RT: 3.206 min Scan# 45
Delta R.T. 0.007 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion: 88 Resp: 2848

Ion	Ratio	Lower	Upper
88	100		
43	111.6	26.7	40.1#
58	90.3	59.3	88.9#



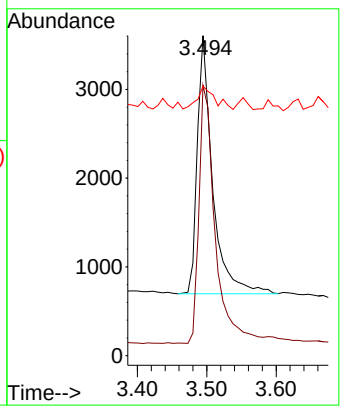


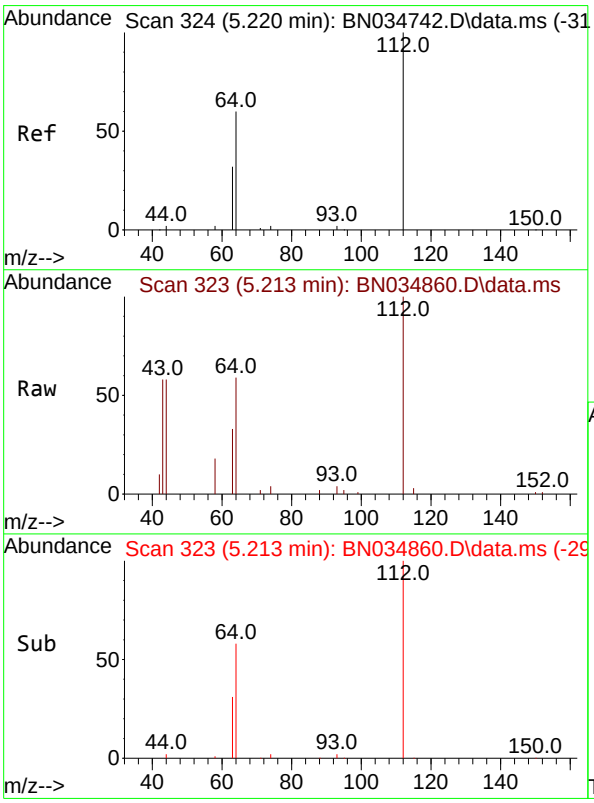
#3
n-Nitrosodimethylamine
Concen: 0.533 ng
RT: 3.494 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion: 42 Resp: 4447

Ion	Ratio	Lower	Upper
42	100		
74	108.5	103.1	154.7
44	10.6	6.7	10.1#

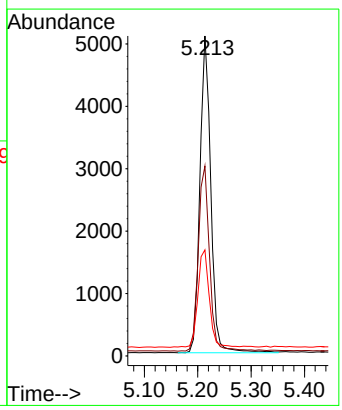


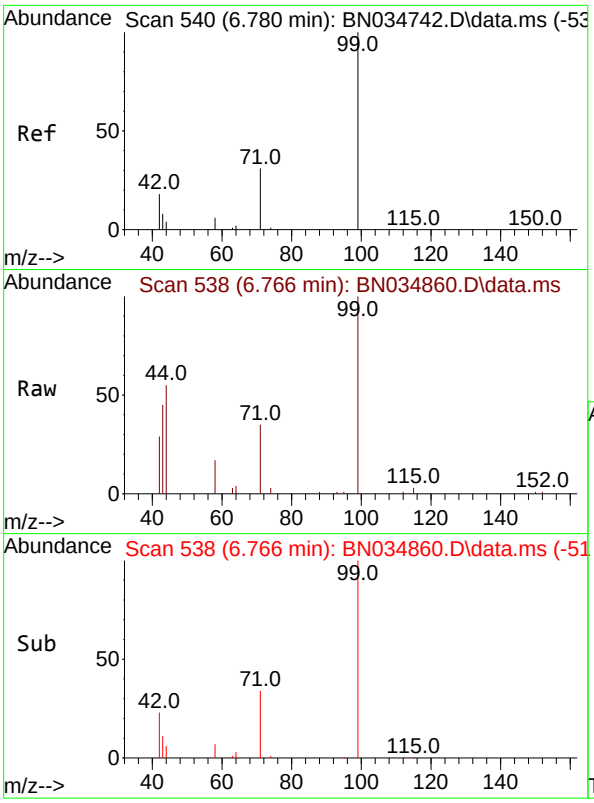


#4
2-Fluorophenol
Concen: 0.353 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:112 Resp: 7214

Ion	Ratio	Lower	Upper
112	100		
64	60.5	44.9	67.3
63	32.2	23.5	35.3



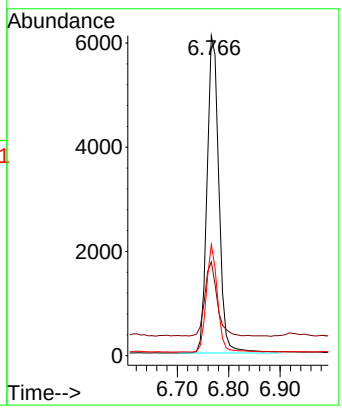


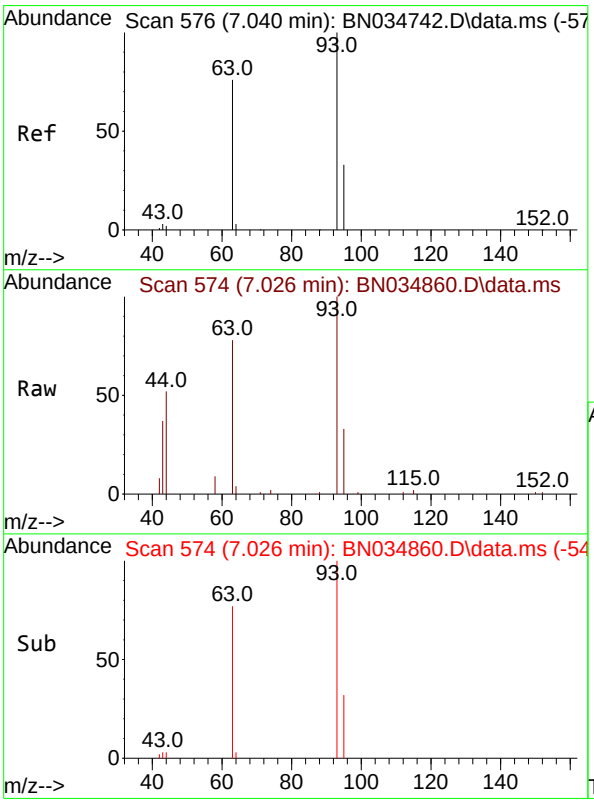
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.766 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion: 99 Resp: 9762

Ion	Ratio	Lower	Upper
99	100		
42	24.2	15.9	23.9#
71	31.9	24.3	36.5

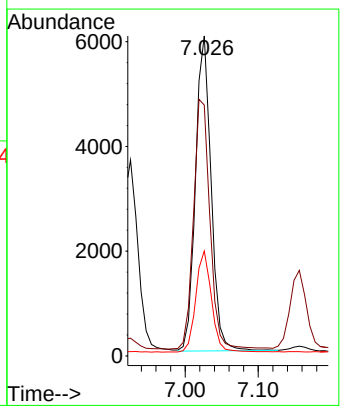


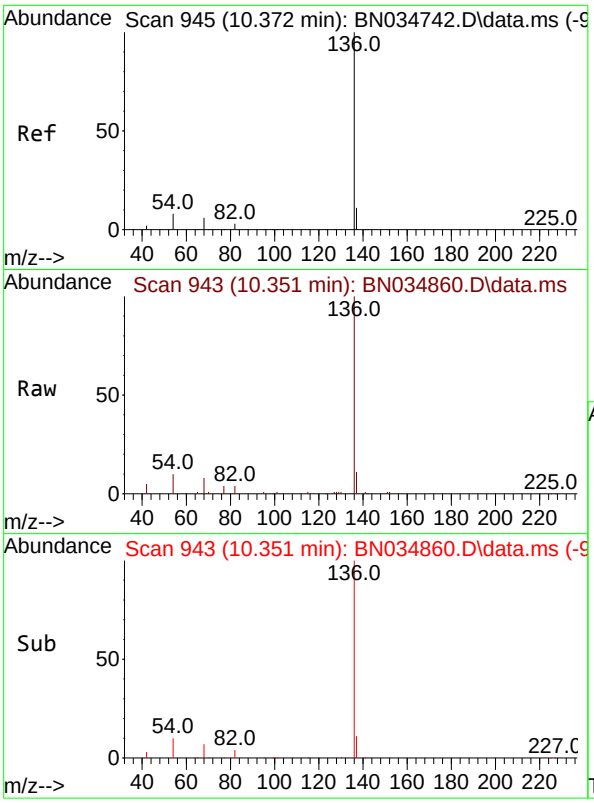


#6
bis(2-Chloroethyl)ether
Concen: 0.460 ng
RT: 7.026 min Scan# 574
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion: 93 Resp: 8920

Ion	Ratio	Lower	Upper
93	100		
63	83.5	61.2	91.8
95	32.1	25.8	38.8



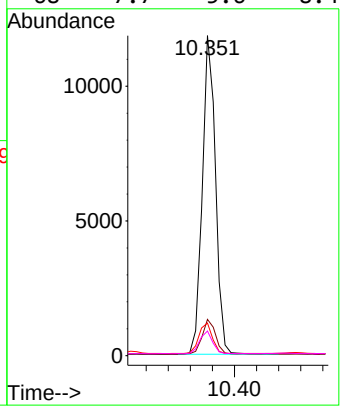


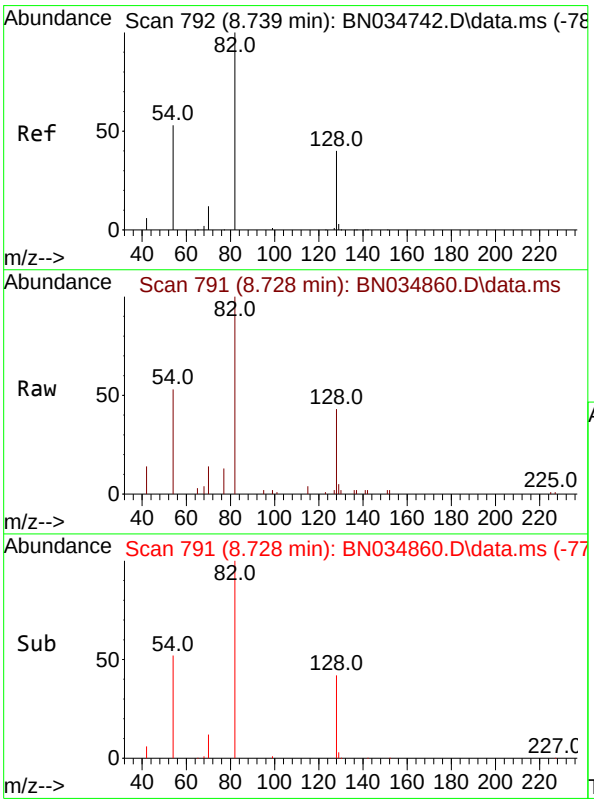
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:136 Resp: 19671

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	10.2	7.0	10.4
68	7.7	5.6	8.4

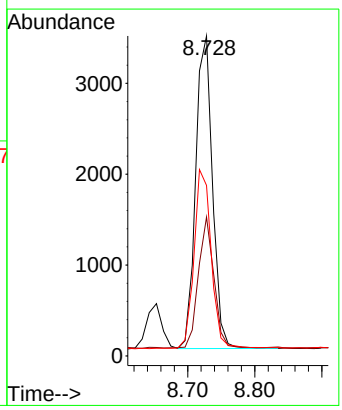


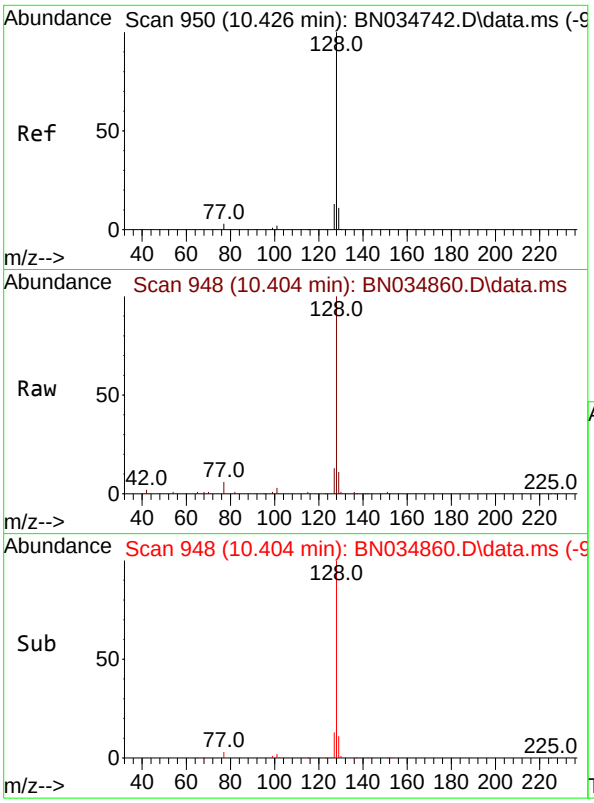


#8
Nitrobenzene-d5
Concen: 0.389 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion: 82 Resp: 6015

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.7	50.5
54	53.3	44.4	66.6



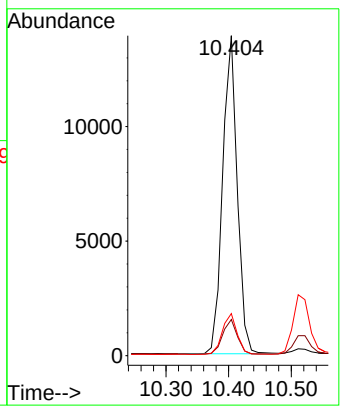


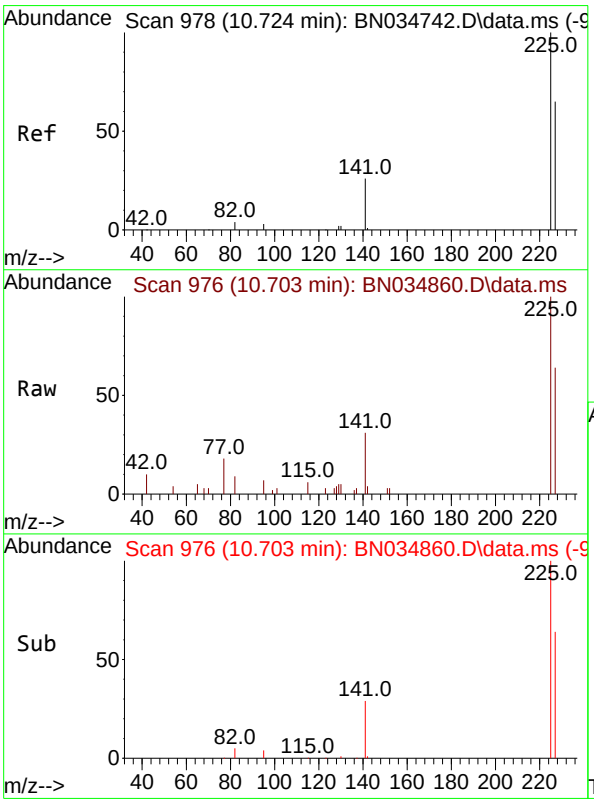
#9
Naphthalene
Concen: 0.414 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:128 Resp: 22538

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.0
127	13.1	10.6	15.8

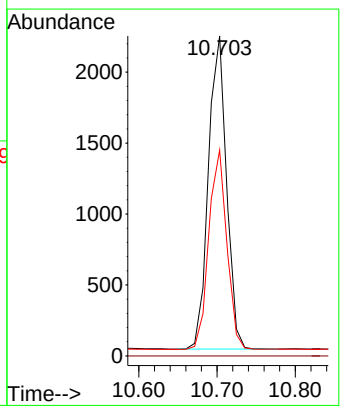


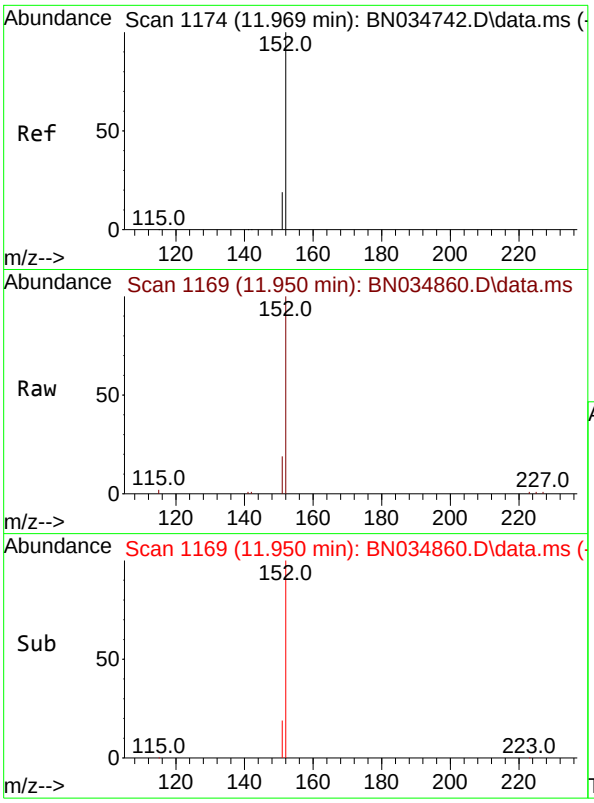


#10
Hexachlorobutadiene
Concen: 0.397 ng
RT: 10.703 min Scan# 976
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:225 Resp: 3557

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.4	77.2



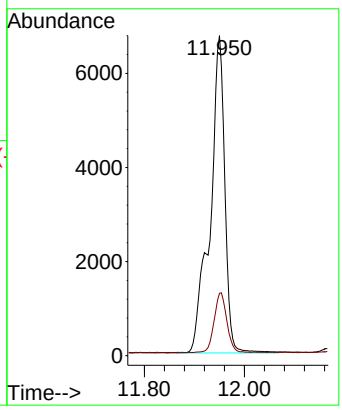


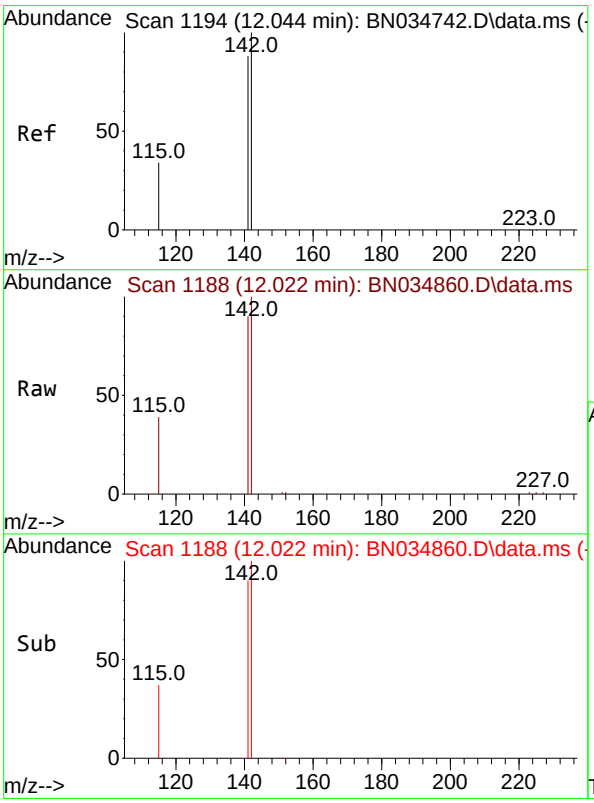
#11
2-Methylnaphthalene-d10
Concen: 0.483 ng
RT: 11.950 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:152 Resp: 13746

Ion	Ratio	Lower	Upper
152	100		
151	16.3	16.6	24.8#

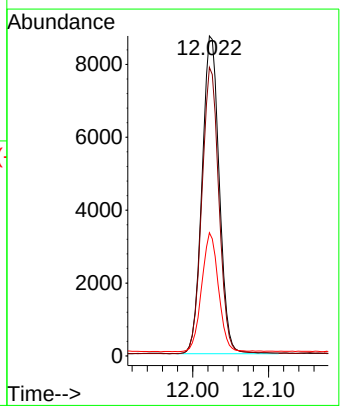


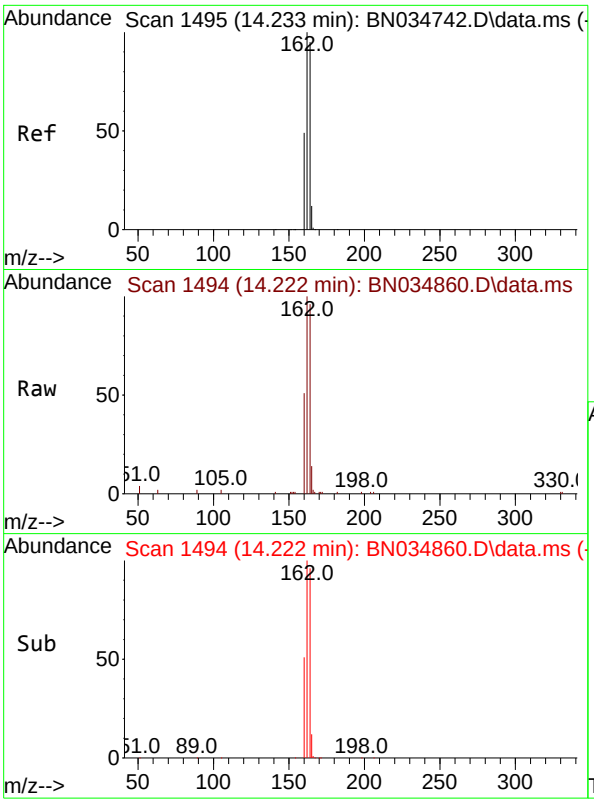


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.022 min Scan# 1188
Delta R.T. -0.004 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:142 Resp: 13714

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.6	106.0
115	38.5	28.6	42.8



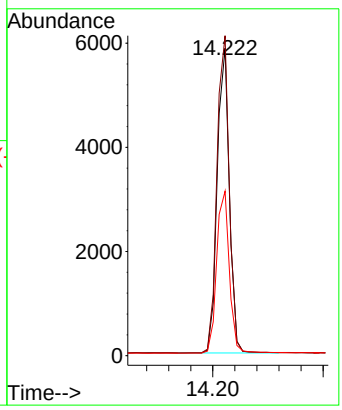


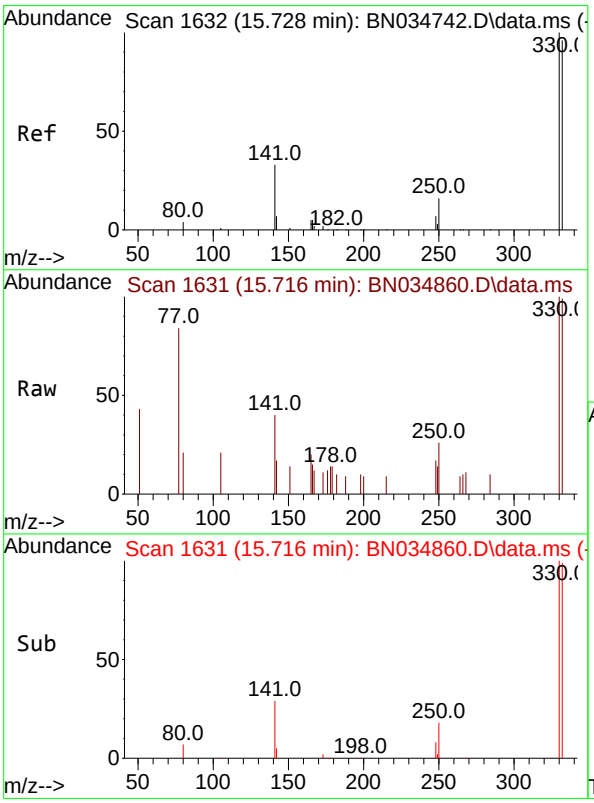
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.222 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:164 Resp: 8893

Ion	Ratio	Lower	Upper
164	100		
162	104.0	84.3	126.5
160	53.5	41.7	62.5

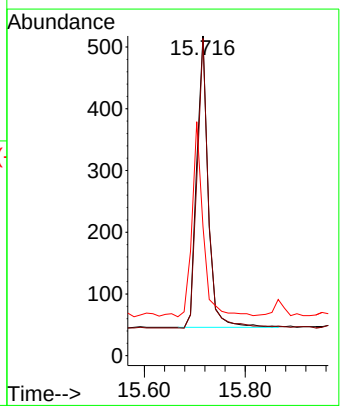


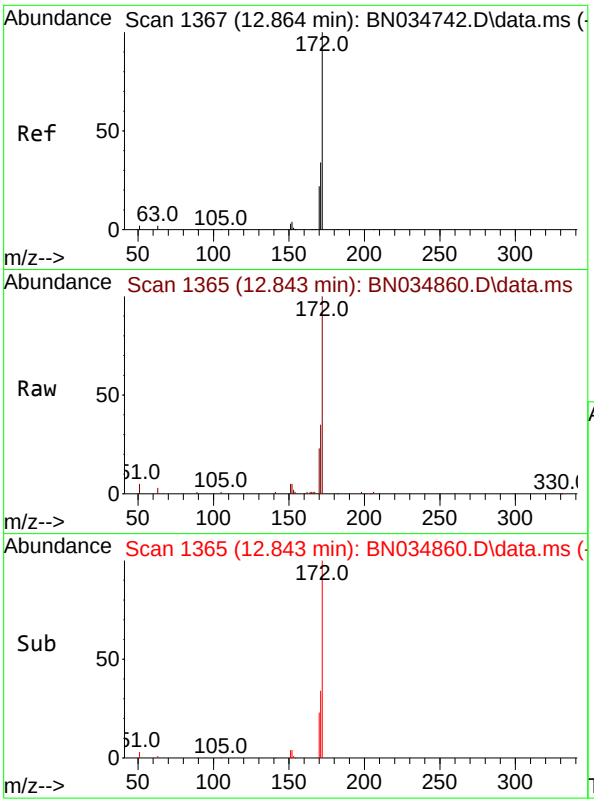


#14
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 15.716 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:330 Resp: 742

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.8	116.6
141	65.9	41.0	61.4#



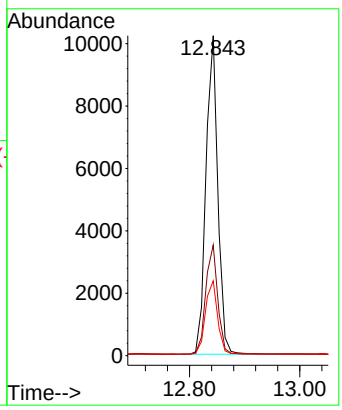


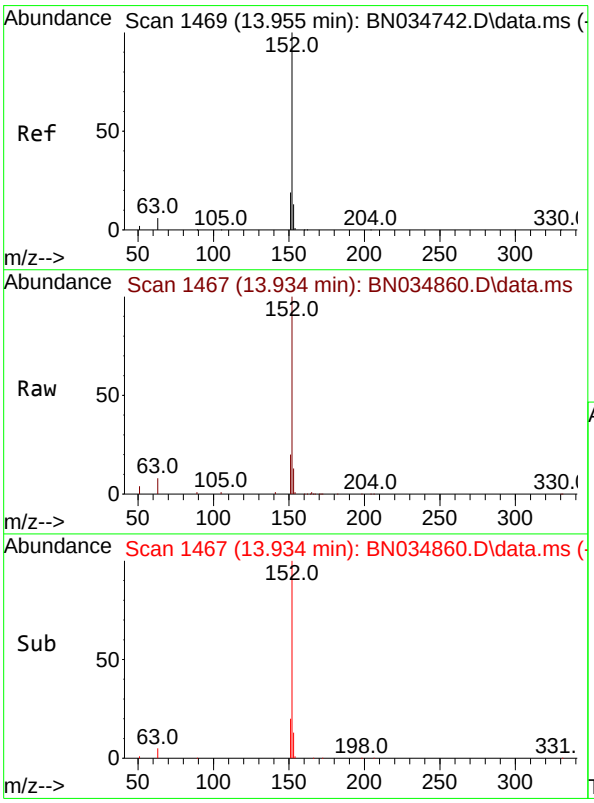
#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 12.843 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:172 Resp: 15269

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.2	40.8
170	23.4	18.0	27.0

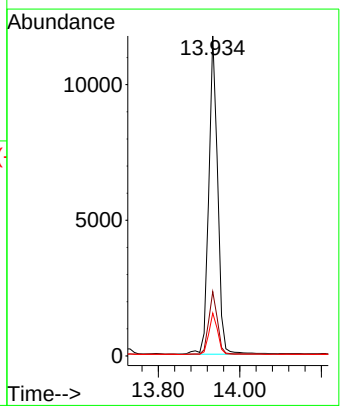


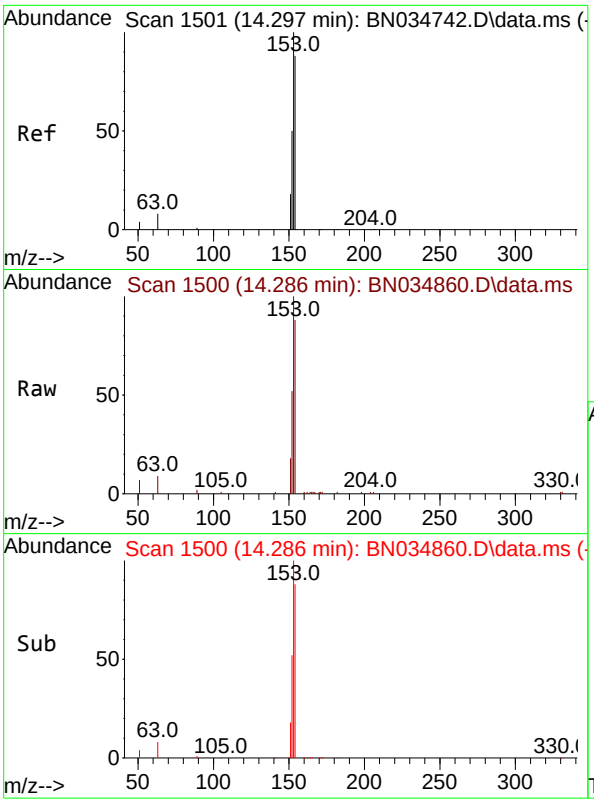


#16
Acenaphthylene
Concen: 0.400 ng
RT: 13.934 min Scan# 1467
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:152 Resp: 17846

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.0	10.2	15.4





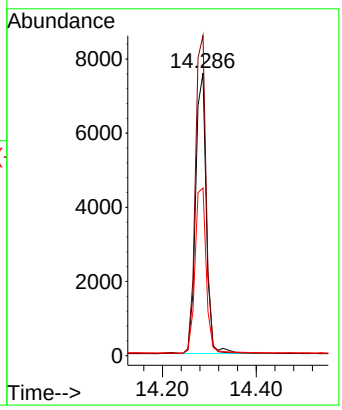
#17
Acenaphthene
Concen: 0.402 ng
RT: 14.286 min Scan# 1

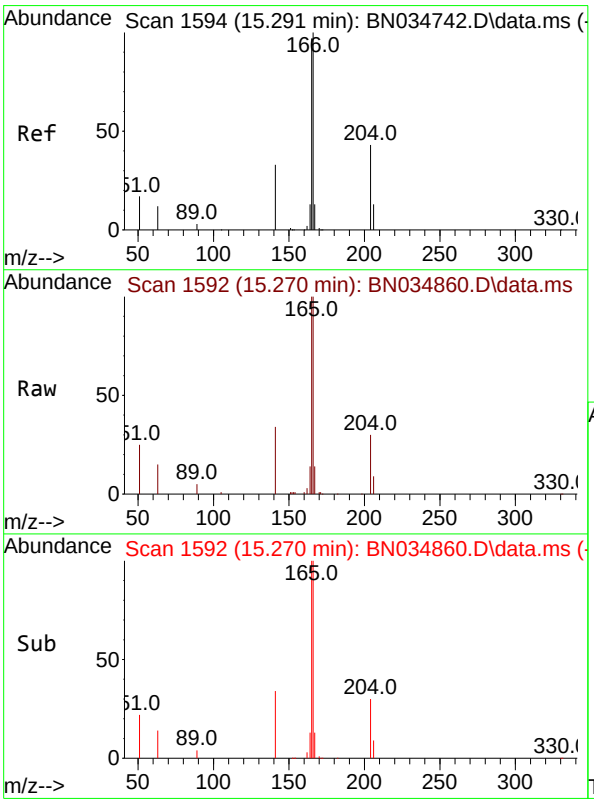
Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:154 Resp: 11944

Ion	Ratio	Lower	Upper
154	100		
153	114.4	87.8	131.6
152	62.0	44.6	67.0

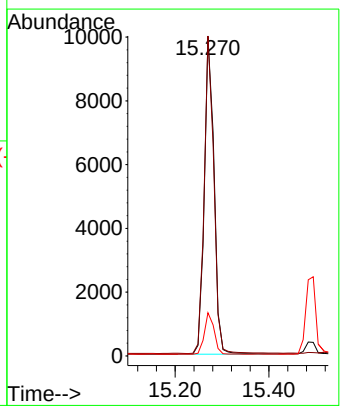


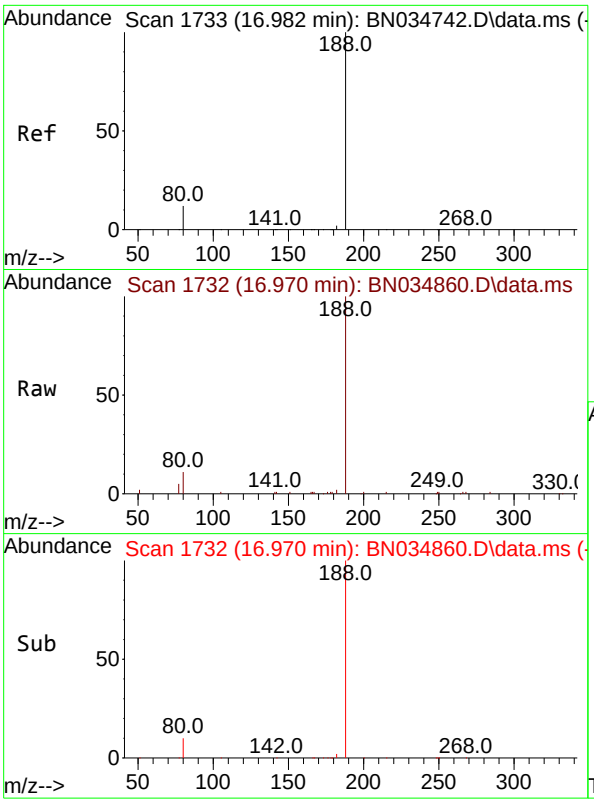


#18
Fluorene
Concen: 0.387 ng
RT: 15.270 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:166 Resp: 14326

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	13.1	10.8	16.2



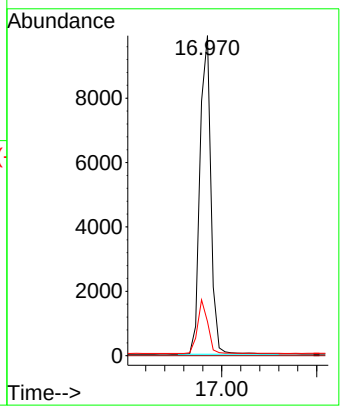


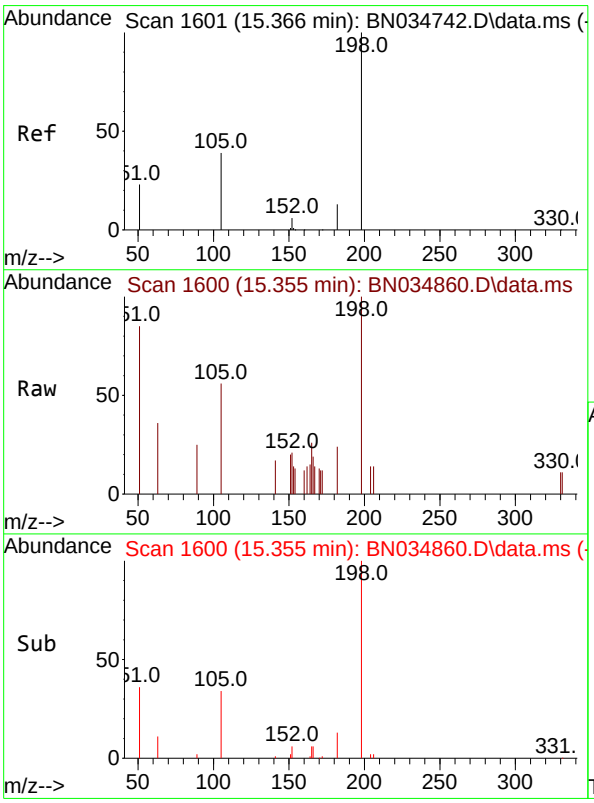
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.970 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:188 Resp: 15802

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	9.8	14.6

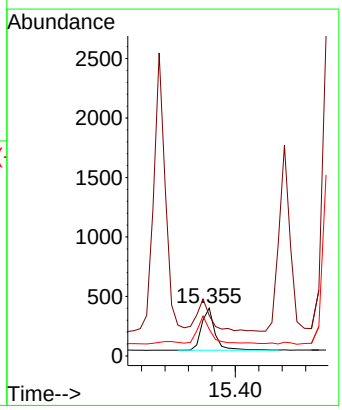


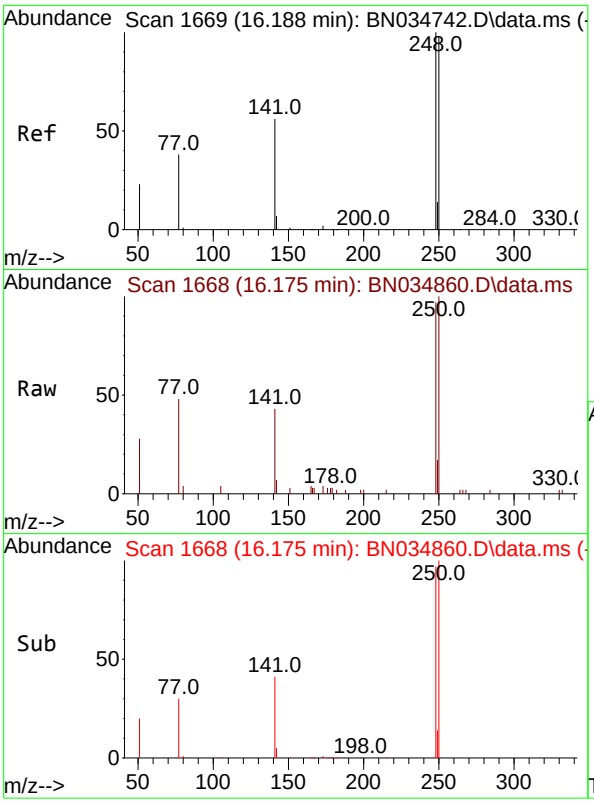


#20
4,6-Dinitro-2-methylphenol
Concen: 0.366 ng
RT: 15.355 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:198 Resp: 563

Ion	Ratio	Lower	Upper
198	100		
51	84.6	58.0	87.0
105	56.0	49.1	73.7



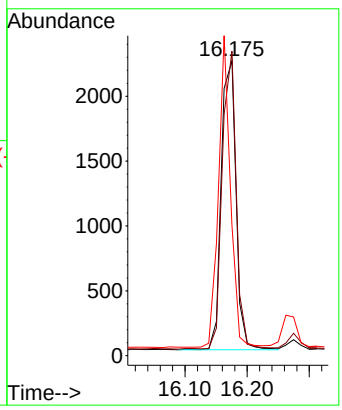


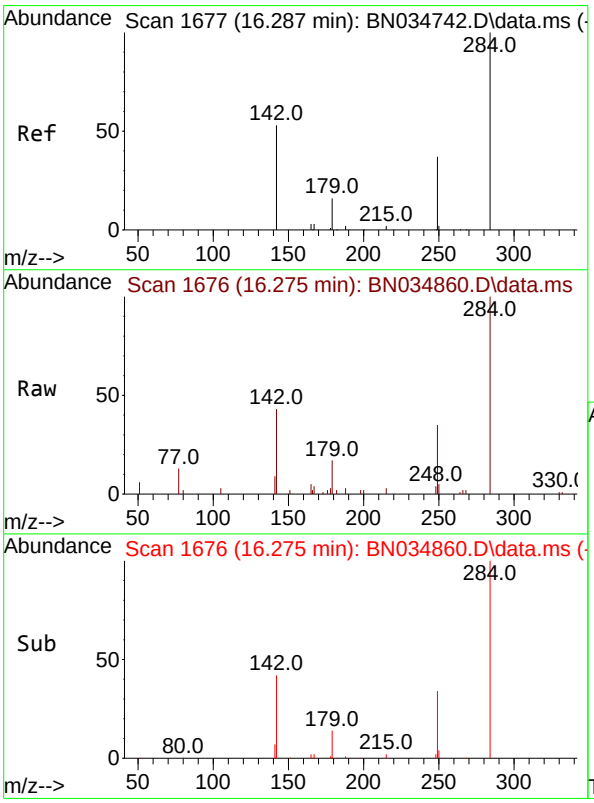
#21
4-Bromophenyl-phenylether
Concen: 0.401 ng
RT: 16.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:248 Resp: 3665

Ion	Ratio	Lower	Upper
248	100		
250	103.3	78.7	118.1
141	44.2	46.4	69.6#

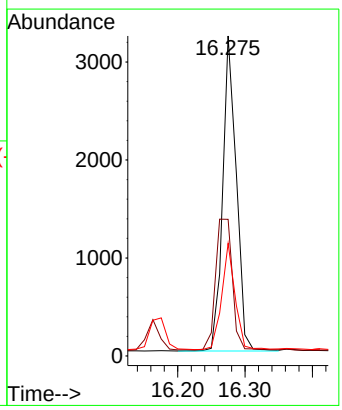


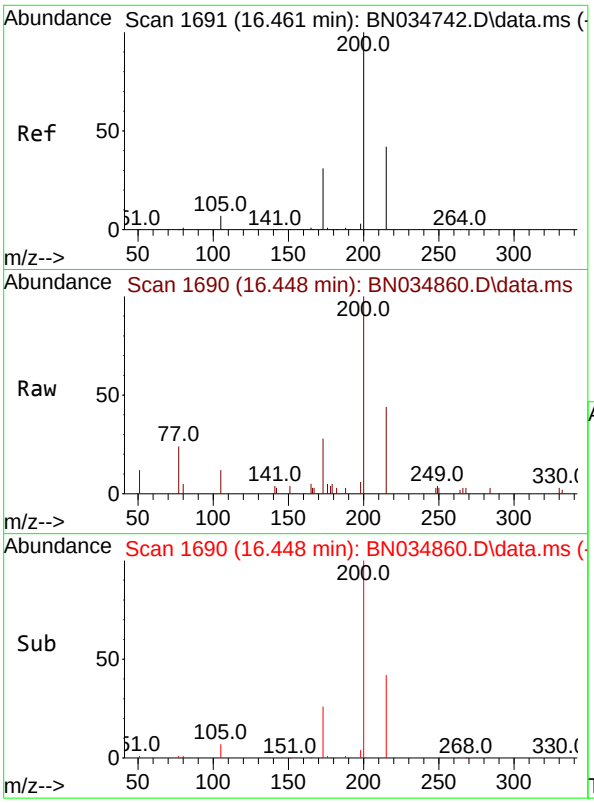


#22
Hexachlorobenzene
Concen: 0.441 ng
RT: 16.275 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:284 Resp: 4511

Ion	Ratio	Lower	Upper
284	100		
142	50.9	35.4	53.0
249	33.1	25.7	38.5



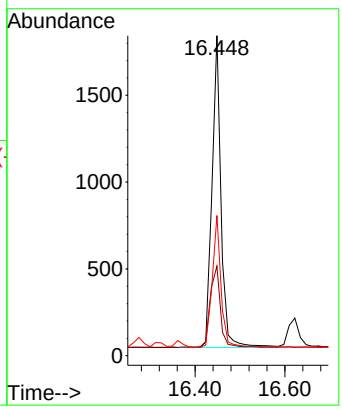


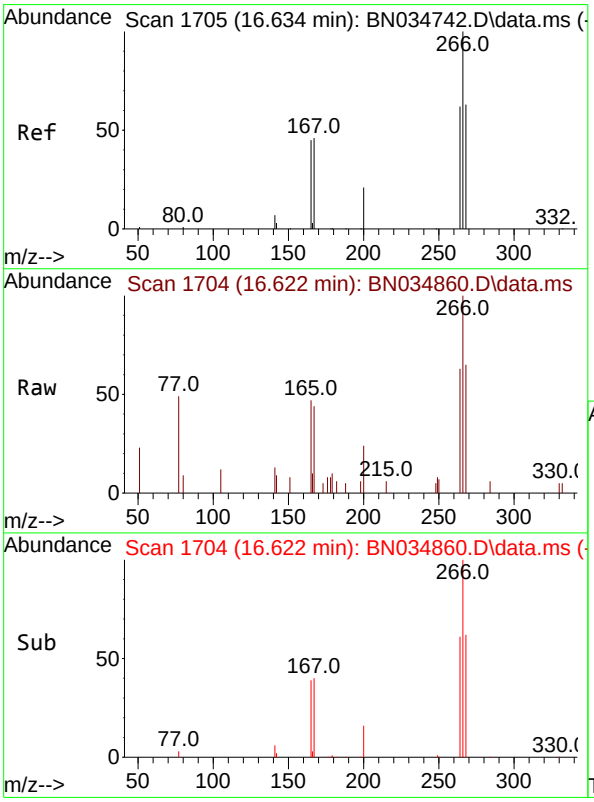
#23
Atrazine
Concen: 0.317 ng
RT: 16.448 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:200 Resp: 2499

Ion	Ratio	Lower	Upper
200	100		
173	28.0	25.8	38.6
215	43.8	34.2	51.4

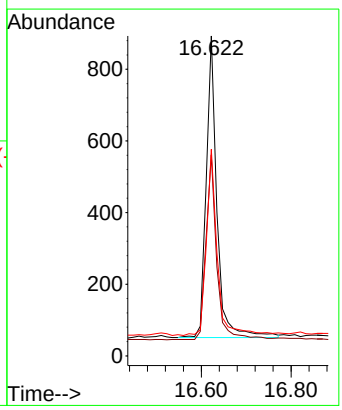


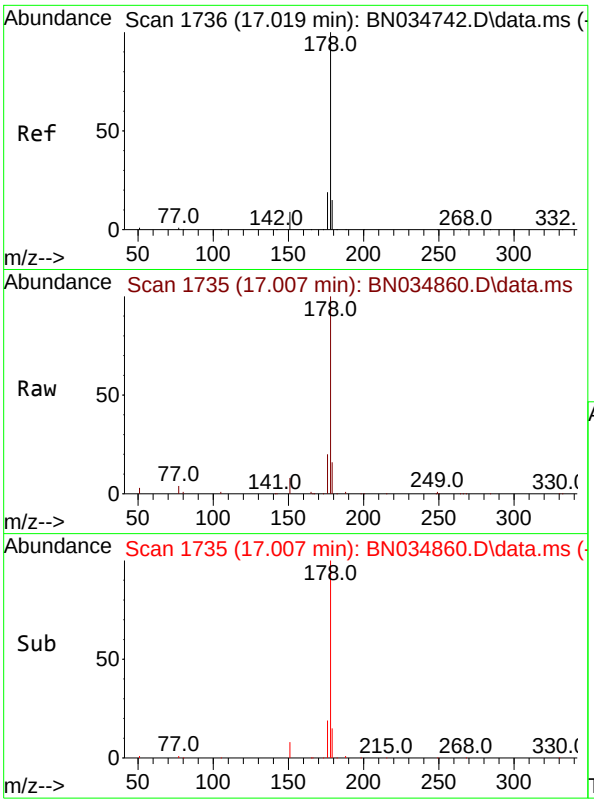


#24
Pentachlorophenol
Concen: 0.317 ng
RT: 16.622 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:266 Resp: 1399

Ion	Ratio	Lower	Upper
266	100		
264	60.5	48.7	73.1
268	62.0	50.2	75.4



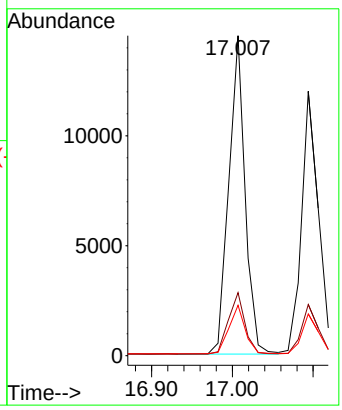


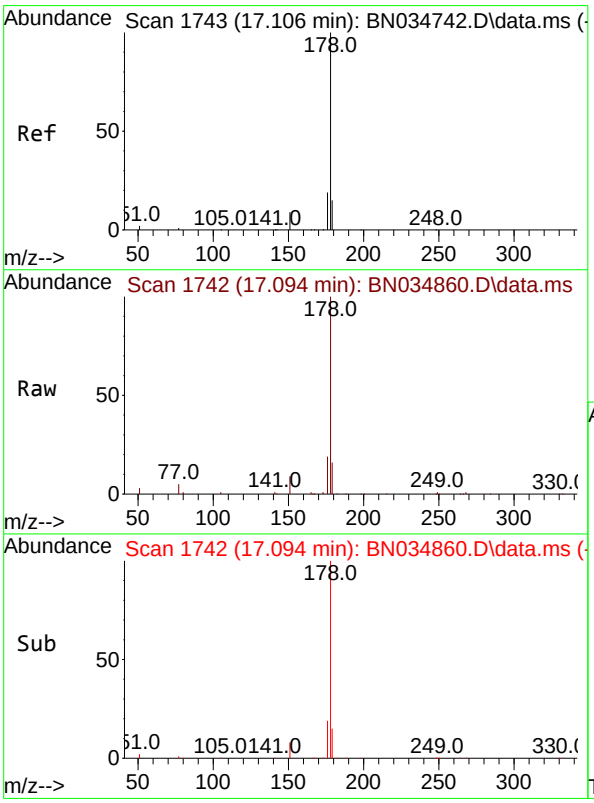
#25
Phenanthrene
Concen: 0.435 ng
RT: 17.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:178 Resp: 20226

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.2	12.2	18.4

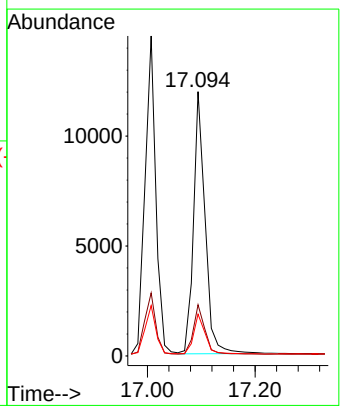


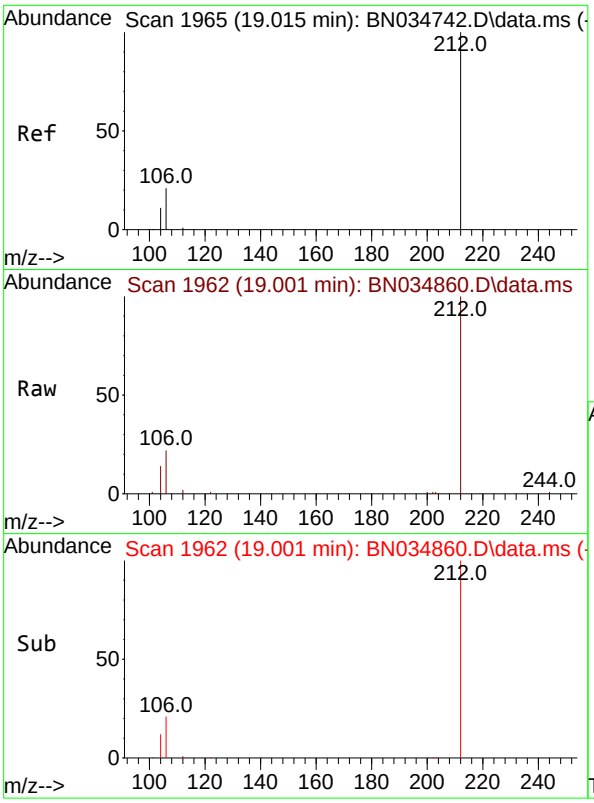


#26
Anthracene
Concen: 0.412 ng
RT: 17.094 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:178 Resp: 17921

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.2	12.2	18.2



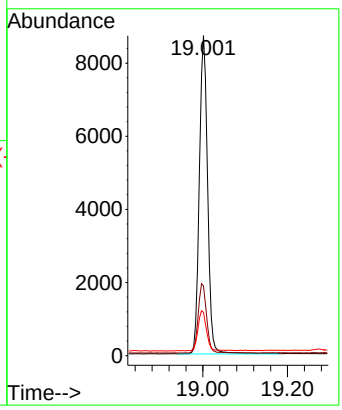


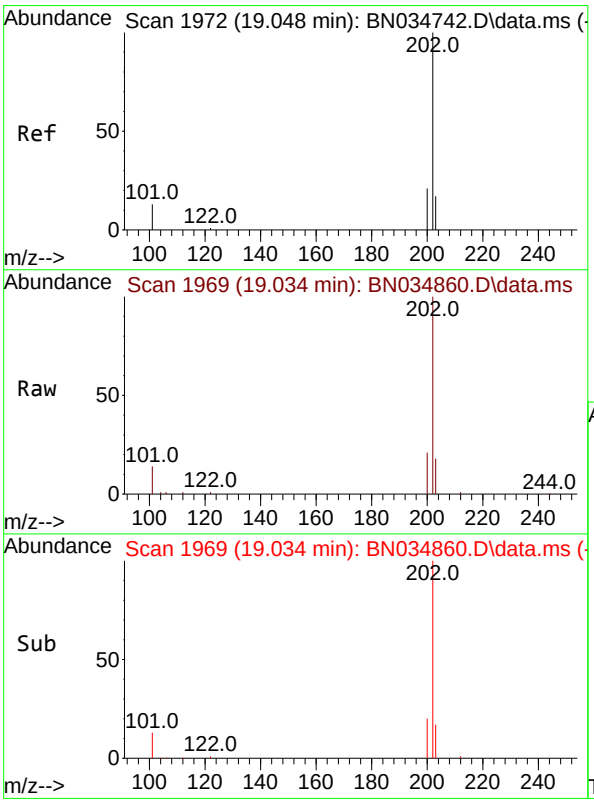
#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.001 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:212 Resp: 11742

Ion	Ratio	Lower	Upper
212	100		
106	22.3	16.1	24.1
104	13.1	9.2	13.8

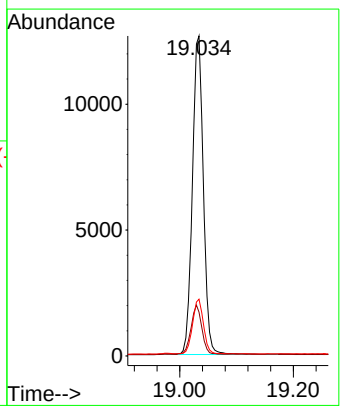


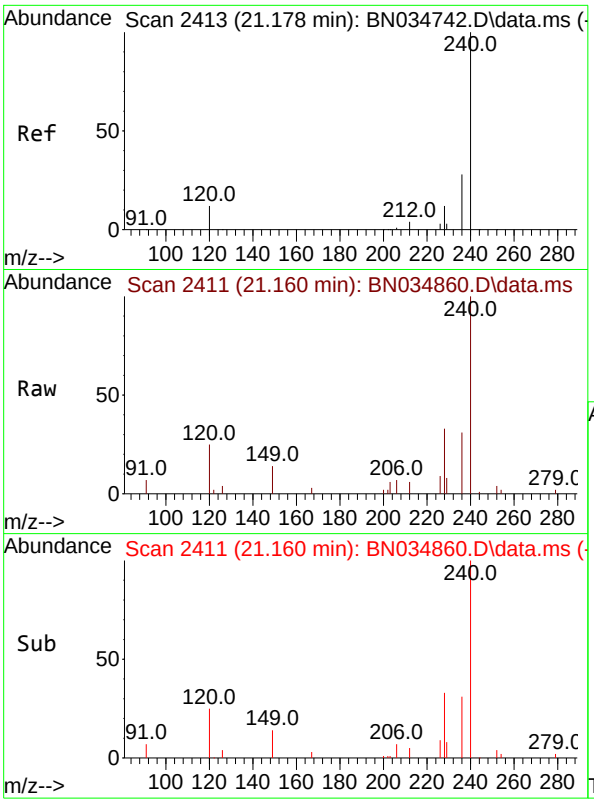


#28
Fluoranthene
Concen: 0.331 ng
RT: 19.034 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:202 Resp: 16959

Ion	Ratio	Lower	Upper
202	100		
101	14.9	11.4	17.0
203	17.1	13.7	20.5



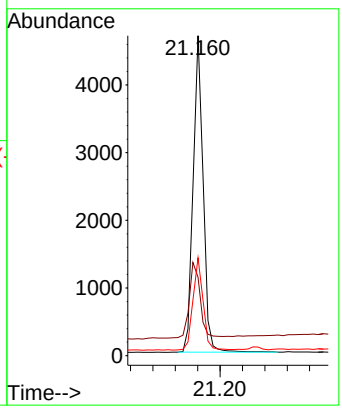


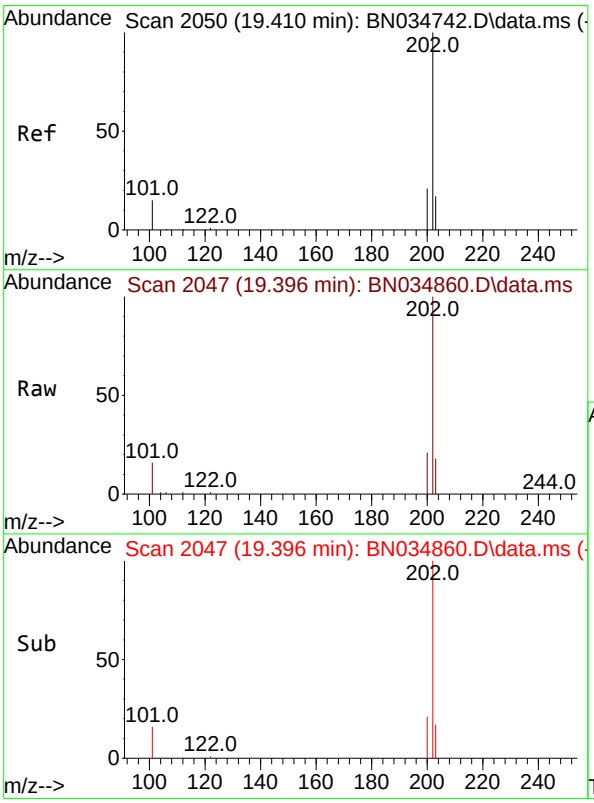
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.160 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:240 Resp: 5819

Ion	Ratio	Lower	Upper
240	100		
120	24.5	11.5	17.3#
236	30.6	23.2	34.8

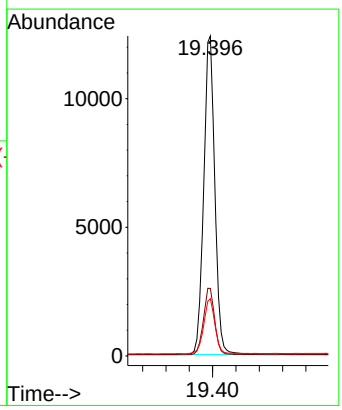


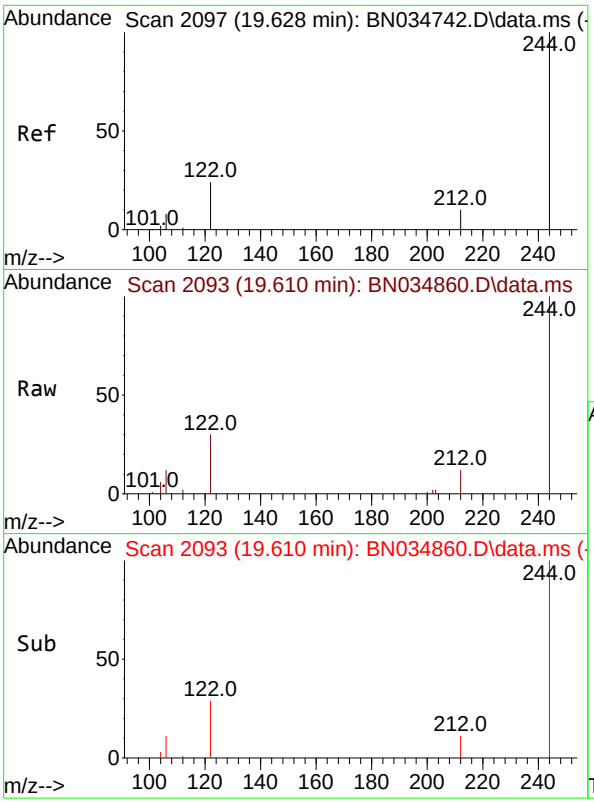


#30
Pyrene
Concen: 0.542 ng
RT: 19.396 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:202 Resp: 16485

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.5	14.2	21.2



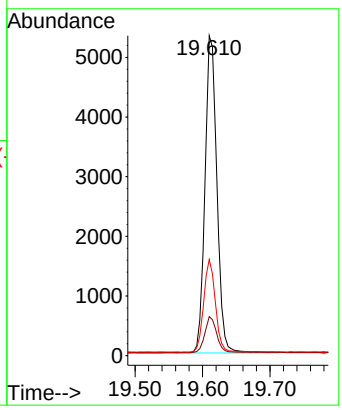


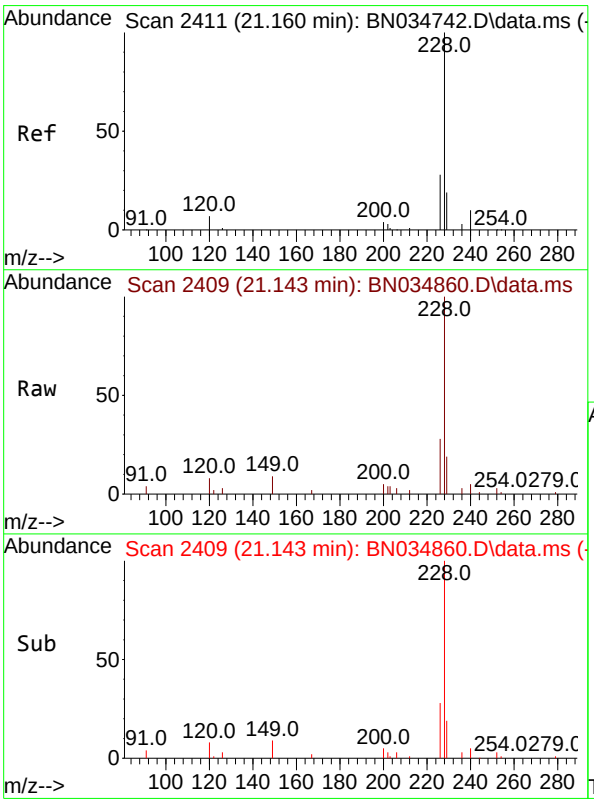
#31
Terphenyl-d14
Concen: 0.524 ng
RT: 19.610 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:244 Resp: 6548

Ion	Ratio	Lower	Upper
244	100		
212	12.2	8.2	12.4
122	30.0	19.8	29.6#

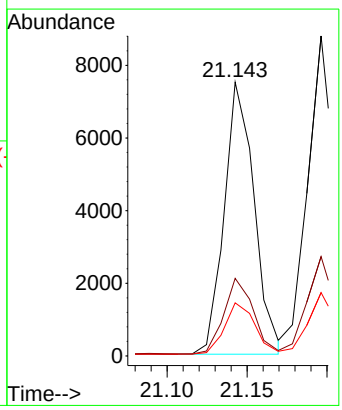


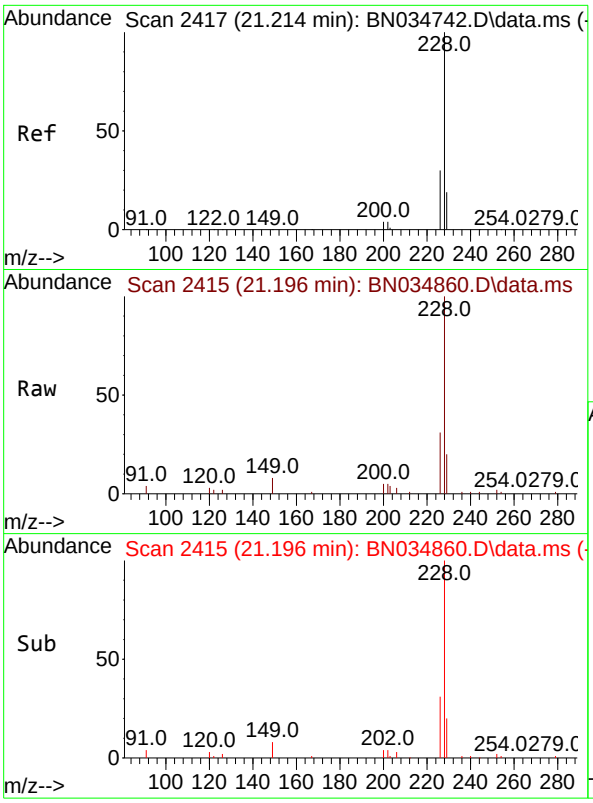


#32
Benzo(a)anthracene
Concen: 0.421 ng
RT: 21.143 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:228 Resp: 9762

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.4	15.7	23.5



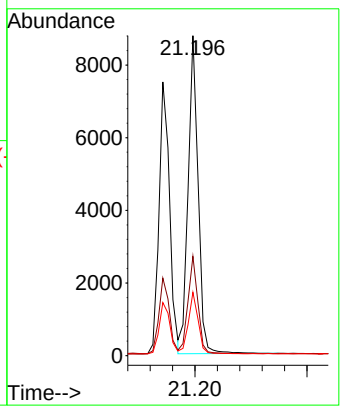


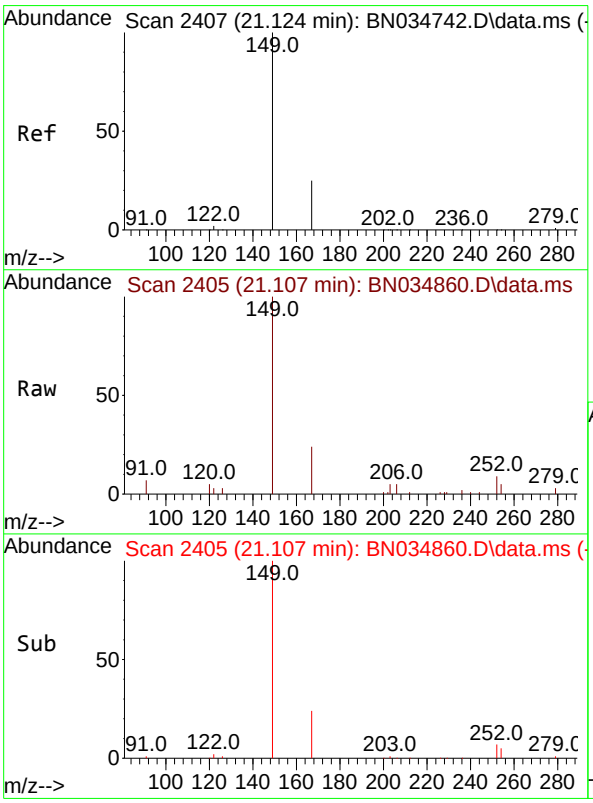
#33
Chrysene
Concen: 0.478 ng
RT: 21.196 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:228 Resp: 10851

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	19.8	15.6	23.4

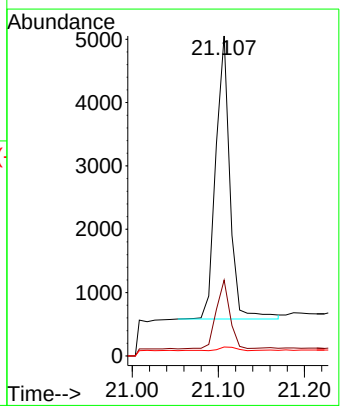


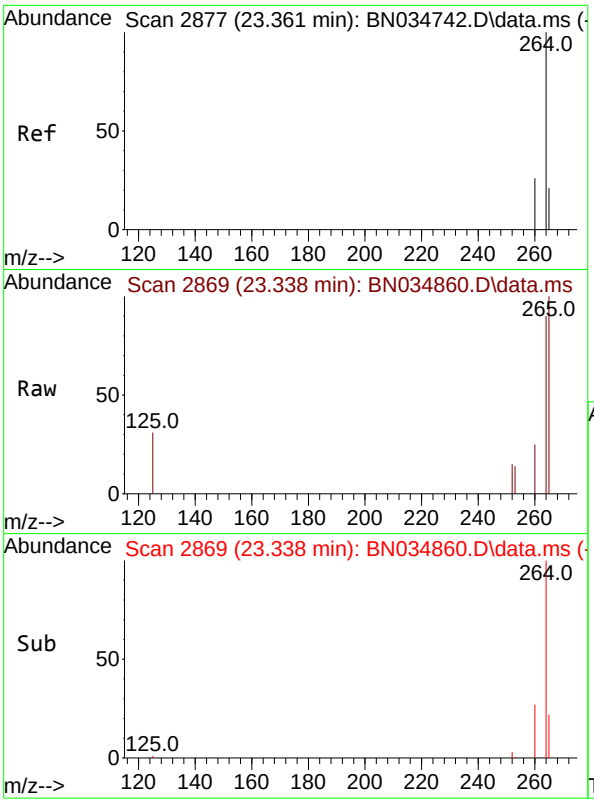


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.263 ng
RT: 21.107 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:149 Resp: 5095

Ion	Ratio	Lower	Upper
149	100		
167	23.4	20.6	30.8
279	1.7	1.5	2.3



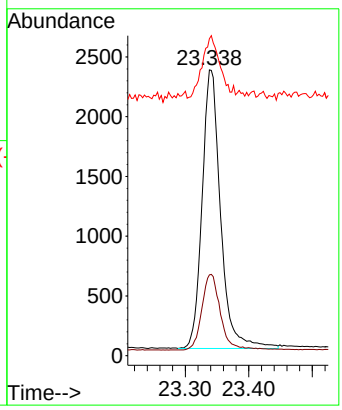


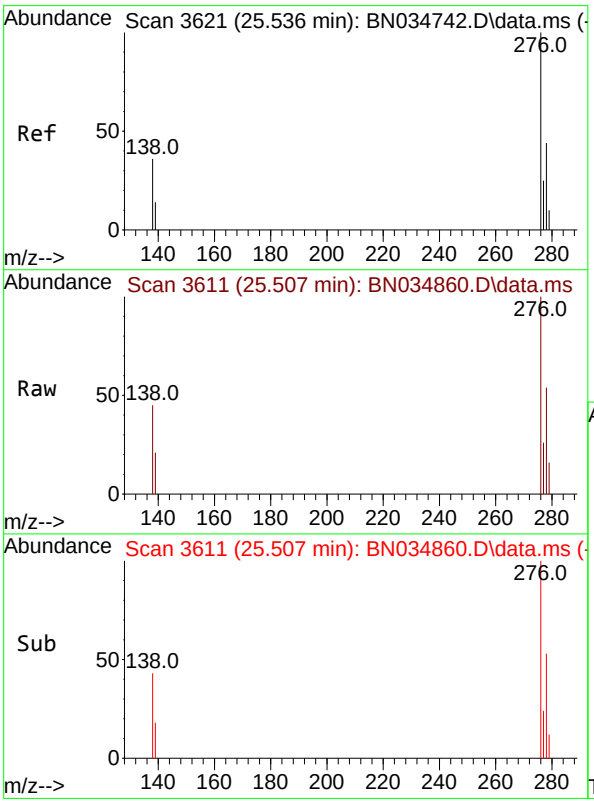
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.338 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:264 Resp: 4708

Ion	Ratio	Lower	Upper
264	100		
260	28.3	21.5	32.3
265	110.9	47.5	71.3#

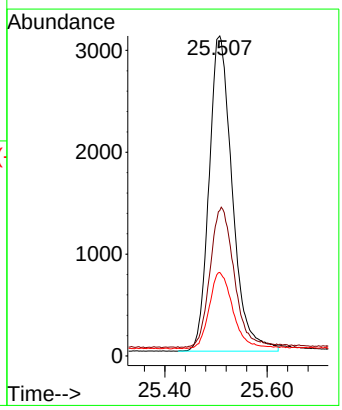


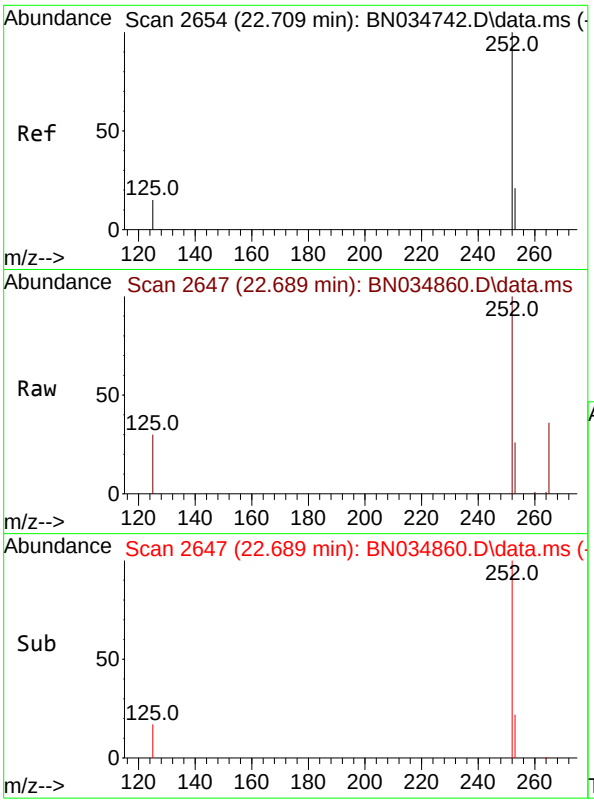


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.563 ng
RT: 25.507 min Scan# 3611
Delta R.T. 0.003 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:276 Resp: 9759

Ion	Ratio	Lower	Upper
276	100		
138	46.0	31.5	47.3
277	24.5	19.7	29.5



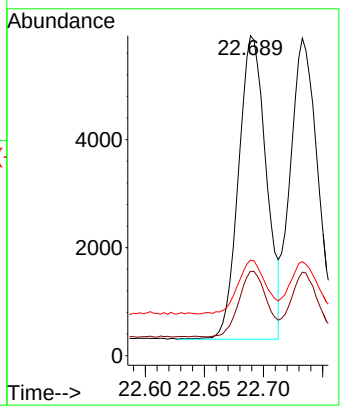


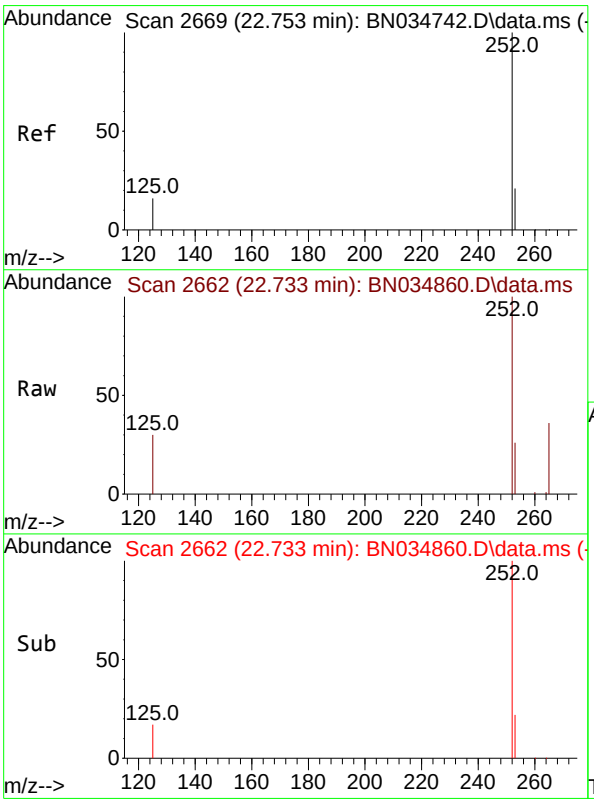
#37
Benzo(b)fluoranthene
Concen: 0.482 ng
RT: 22.689 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:252 Resp: 9144

Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.7	29.5
125	29.9	17.1	25.7#

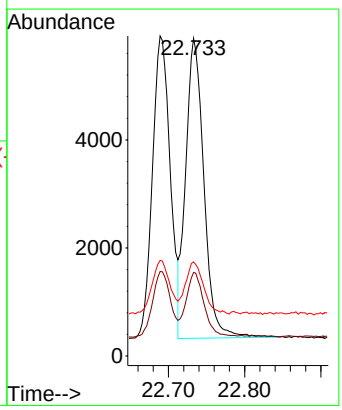


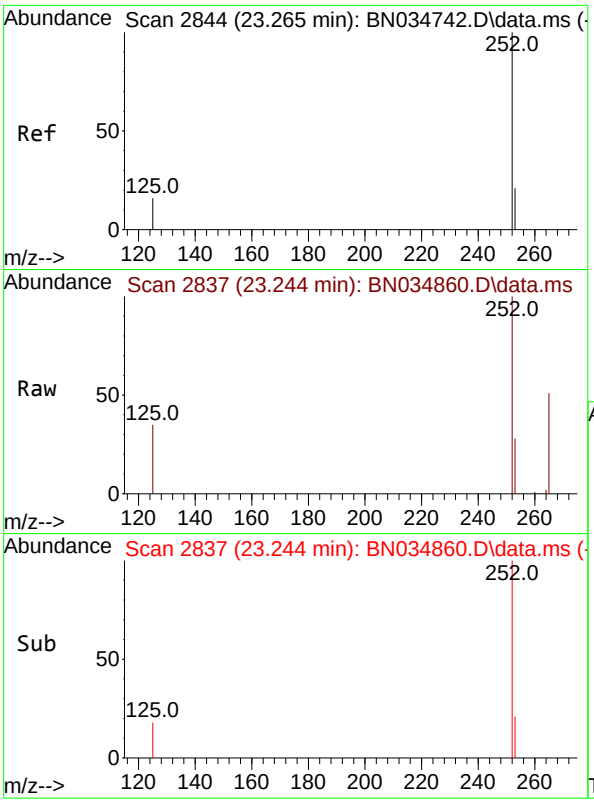


#38
Benzo(k)fluoranthene
Concen: 0.499 ng
RT: 22.733 min Scan# 2662
Delta R.T. 0.003 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:252 Resp: 9232

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.8	29.6
125	29.6	18.2	27.2#



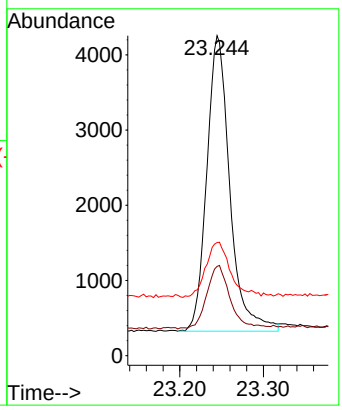


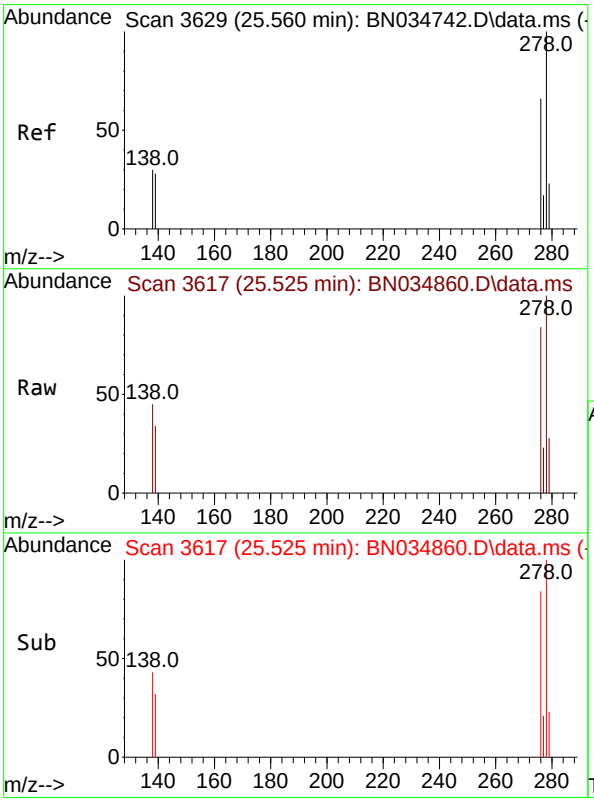
#39
Benzo(a)pyrene
Concen: 0.481 ng
RT: 23.244 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:252 Resp: 7529

Ion	Ratio	Lower	Upper
252	100		
253	27.9	20.7	31.1
125	35.3	20.3	30.5#

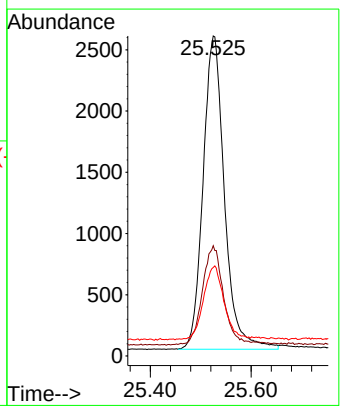


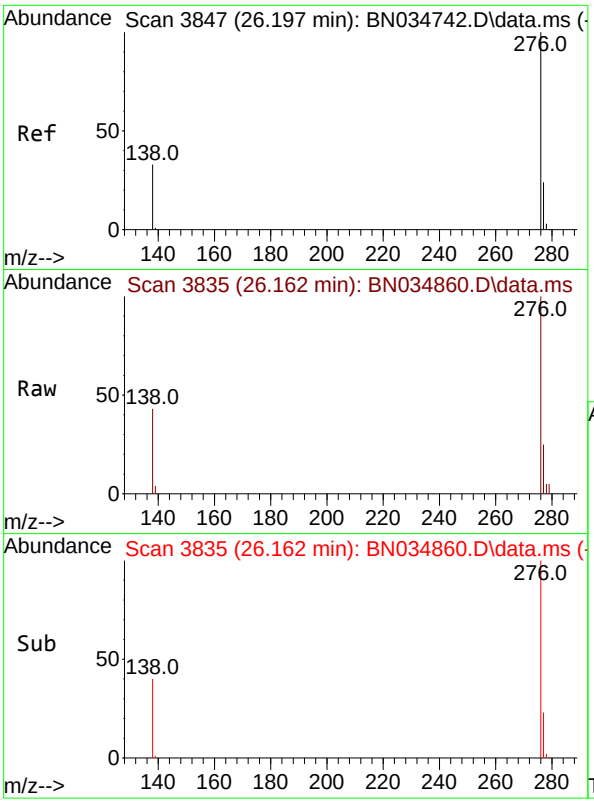


#40
Dibenzo(a,h)anthracene
Concen: 0.557 ng
RT: 25.525 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Tgt Ion:278 Resp: 7525

Ion	Ratio	Lower	Upper
278	100		
139	34.4	24.9	37.3
279	27.7	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.562 ng
RT: 26.162 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN034860.D
Acq: 05 Nov 2024 03:33

Instrument :
BNA_N
ClientSampleId :
PB164594BSD

Tgt Ion:276 Resp: 8203

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.2	30.2
138	42.8	28.7	43.1