Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110724\
Data File : BN034884.D
Acq On : 07 Nov 2024 09:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 08 00:38:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 15:02:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	6014	0.400	ng		0.00
7) Naphthalene-d8	10.340	136	17441	0.400	ng		0.00
13) Acenaphthene-d10	14.208	164	8024	0.400	ng		0.00
19) Phenanthrene-d10	16.952	188	15173	0.400	ng	#	0.00
29) Chrysene-d12	21.149	240	8034	0.400	ng		0.00
35) Perylene-d12	23.315	264	6346	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.199	112	5943	0.355	ng		0.00
5) Phenol-d6	6.752	99	7743	0.348	ng		0.00
8) Nitrobenzene-d5	8.707	82	5014	0.369	ng		0.00
11) 2-Methylnaphthalene-d10	11.935	152	8606	0.362	ng		0.00
14) 2,4,6-Tribromophenol	15.698	330	673	0.326	ng		0.00
15) 2-Fluorobiphenyl	12.829	172	12449	0.367	ng		0.00
27) Fluoranthene-d10	18.990	212	11772	0.344	ng		0.00
31) Terphenyl-d14	19.598	244	6093	0.405	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.184	88	2792	0.367	ng		99
3) n-Nitrosodimethylamine	3.480	42	3831	0.374	ng		96
6) bis(2-Chloroethyl)ether	7.012	93	7008	0.365	ng		99
9) Naphthalene	10.383	128	17985	0.372	ng		100
10) Hexachlorobutadiene	10.682	225	2934	0.380	ng	#	99
12) 2-Methylnaphthalene	12.011	142	10623	0.359	ng		99
16) Acenaphthylene	13.919	152	13467	0.348	ng		100
17) Acenaphthene	14.272	154	9462	0.353	ng		99
18) Fluorene	15.255	166	11716	0.351	ng		100
20) 4,6-Dinitro-2-methylph...	15.341	198	433	0.329	ng	#	66
21) 4-Bromophenyl-phenylether	16.157	248	3080	0.381	ng	#	87
22) Hexachlorobenzene	16.269	284	3852	0.396	ng		98
23) Atrazine	16.430	200	1936	0.330	ng	#	95
24) Pentachlorophenol	16.604	266	757	0.329	ng		99
25) Phenanthrene	16.989	178	17368	0.373	ng		99
26) Anthracene	17.088	178	14276	0.356	ng		99
28) Fluoranthene	19.017	202	16708	0.341	ng		100
30) Pyrene	19.380	202	16510	0.406	ng		100
32) Benzo(a)anthracene	21.131	228	11302	0.361	ng		100
33) Chrysene	21.185	228	12771	0.385	ng		98
34) Bis(2-ethylhexyl)phtha...	21.086	149	5739	0.319	ng		100
36) Indeno(1,2,3-cd)pyrene	25.467	276	10827	0.383	ng		99
37) Benzo(b)fluoranthene	22.669	252	11411	0.409	ng		99
38) Benzo(k)fluoranthene	22.710	252	11104	0.383	ng		99
39) Benzo(a)pyrene	23.222	252	8408	0.380	ng		99
40) Dibenzo(a,h)anthracene	25.488	278	8458	0.387	ng		100
41) Benzo(g,h,i)perylene	26.122	276	9778	0.421	ng		99

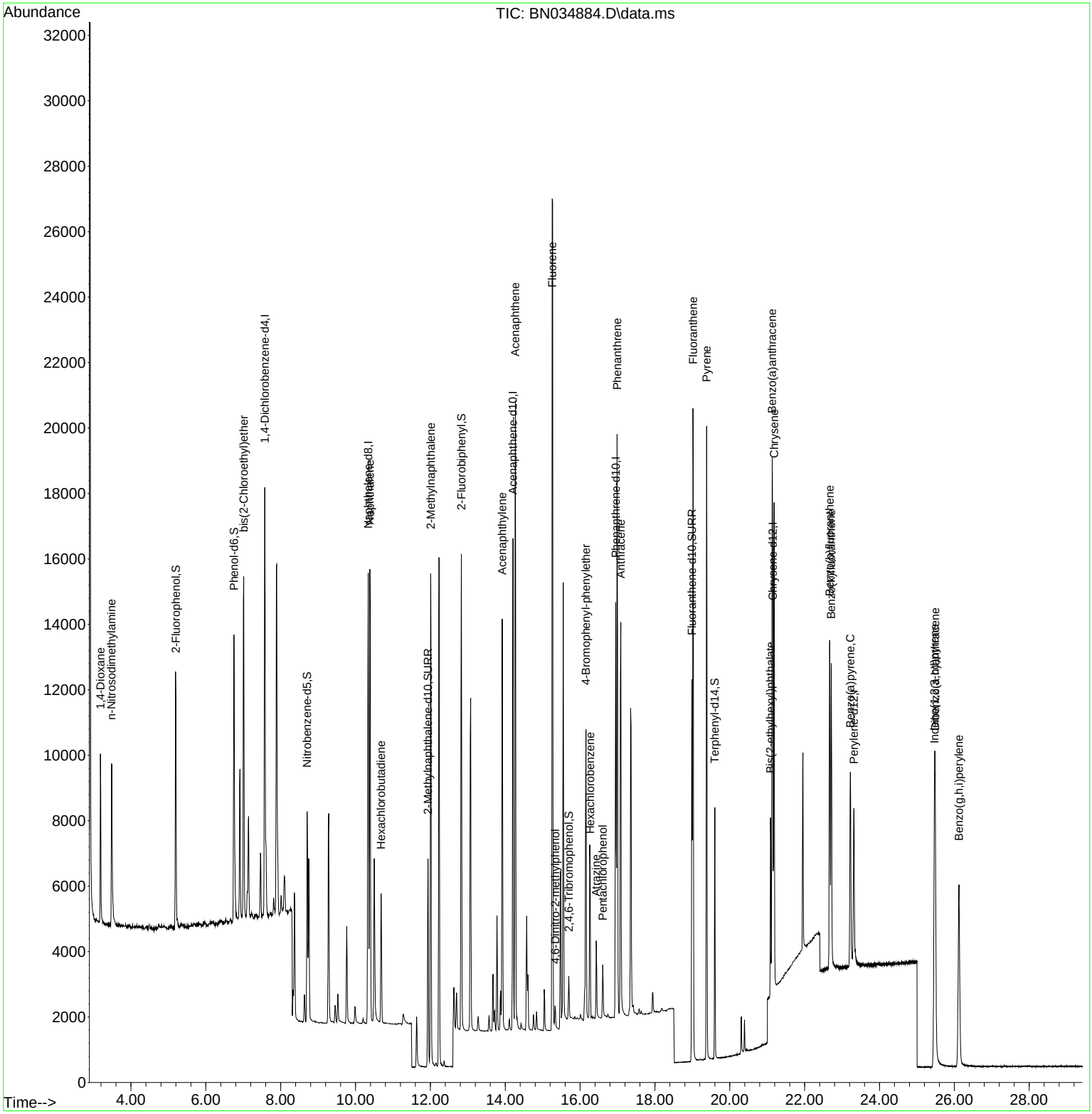
(#) = qualifier out of range (m) = manual integration (+) = signals summed

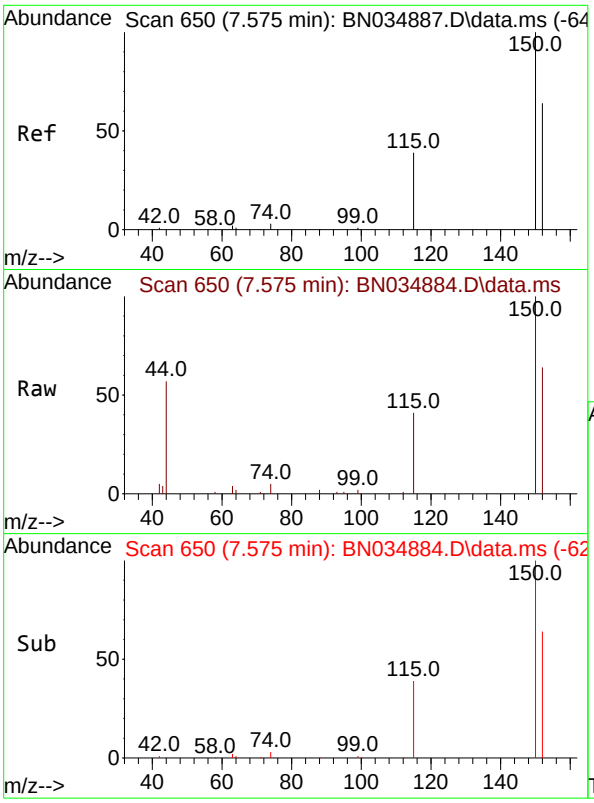
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110724\
Data File : BN034884.D
Acq On : 07 Nov 2024 09:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 08 00:38:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 15:02:36 2024
Response via : Initial Calibration



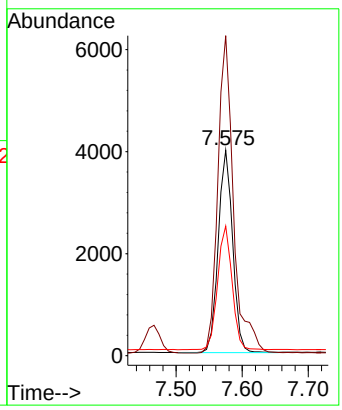


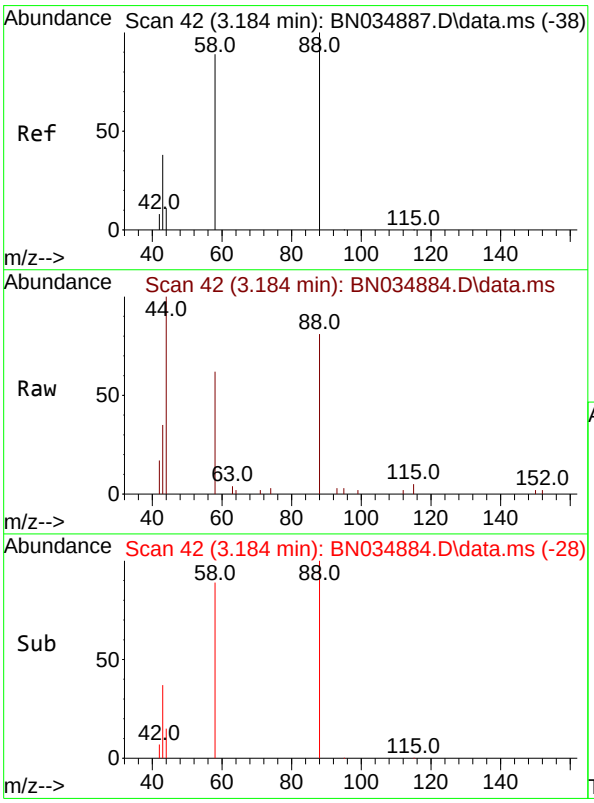
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6014

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.4	186.6
115	63.1	50.5	75.7

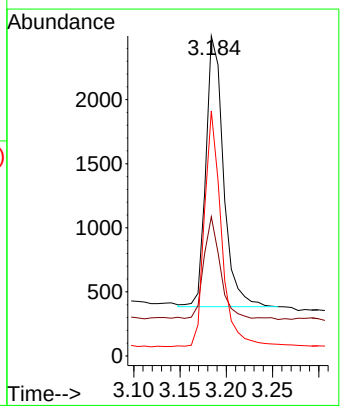


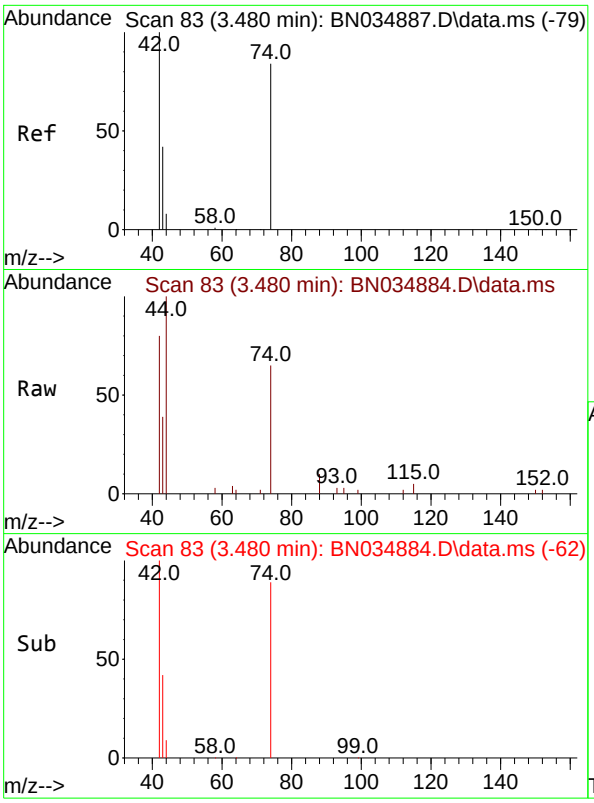


#2
1,4-Dioxane
Concen: 0.367 ng
RT: 3.184 min Scan# 42
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion: 88 Resp: 2792

Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.2	42.2
58	84.0	67.1	100.7



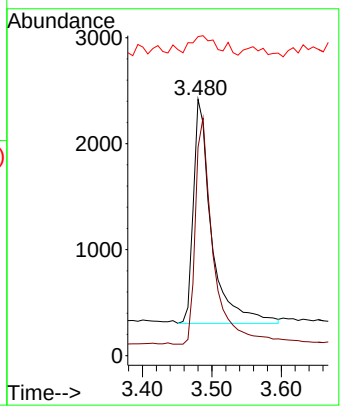


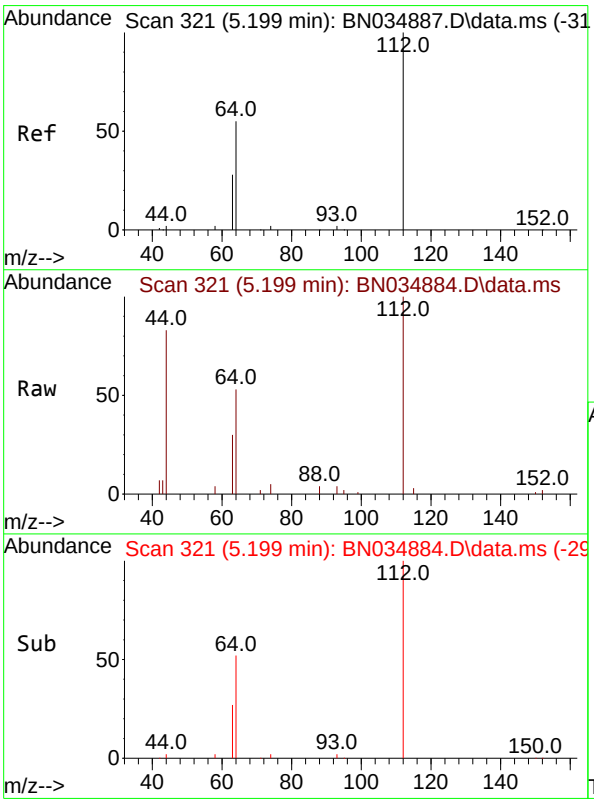
#3
n-Nitrosodimethylamine
Concen: 0.374 ng
RT: 3.480 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3831

Ion	Ratio	Lower	Upper
42	100		
74	100.6	83.4	125.2
44	11.8	8.6	12.8

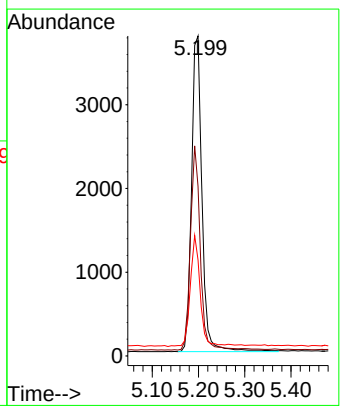


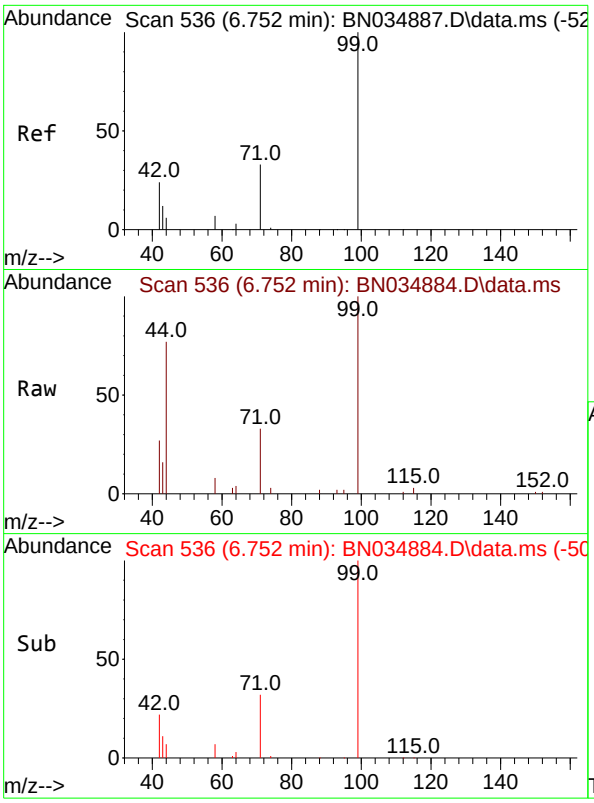


#4
2-Fluorophenol
Concen: 0.355 ng
RT: 5.199 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:112 Resp: 5943

Ion	Ratio	Lower	Upper
112	100		
64	61.0	49.6	74.4
63	32.8	26.3	39.5



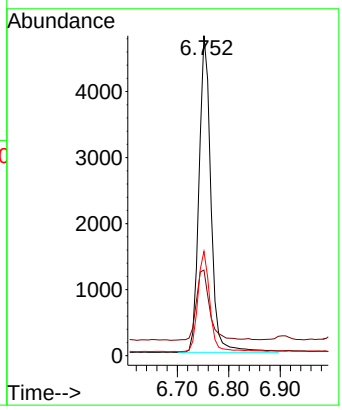


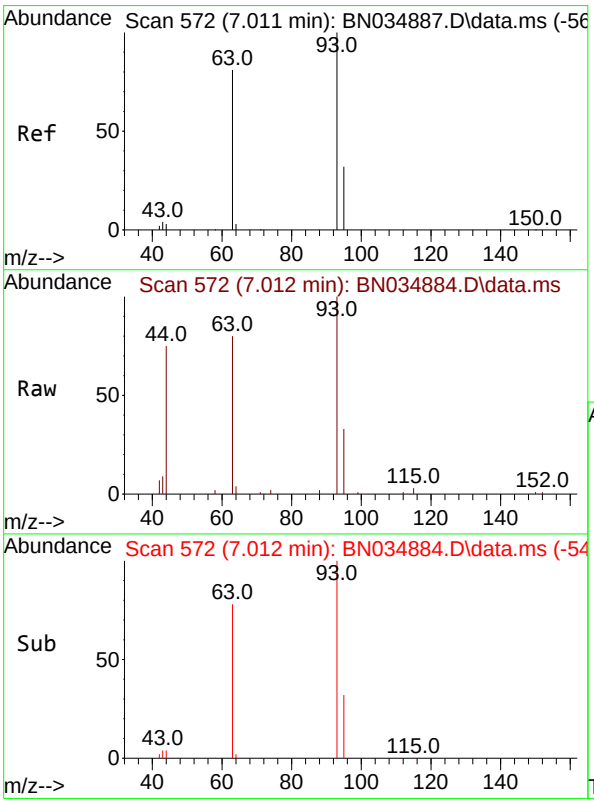
#5
Phenol-d6
Concen: 0.348 ng
RT: 6.752 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 7743

Ion	Ratio	Lower	Upper
99	100		
42	24.7	20.2	30.2
71	31.9	25.4	38.0

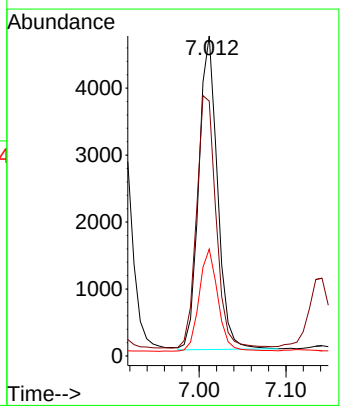


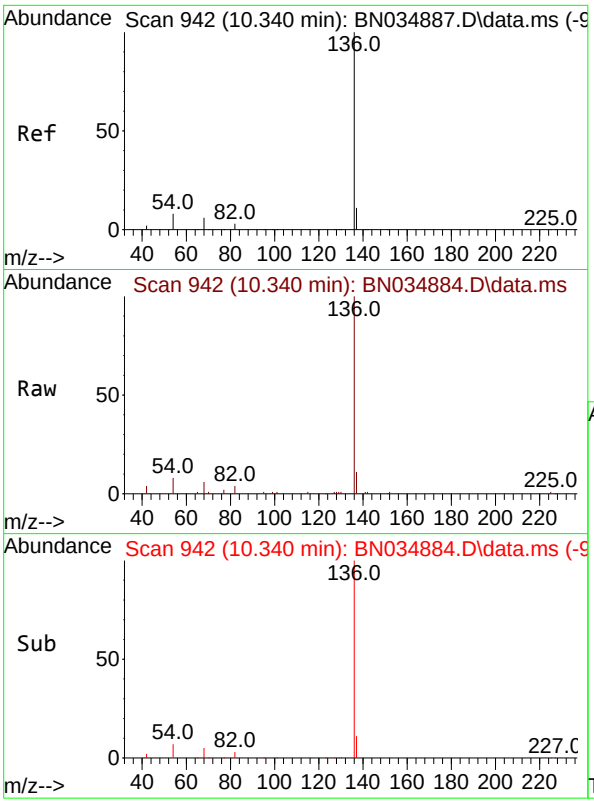


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion: 93 Resp: 7008

Ion	Ratio	Lower	Upper
93	100		
63	84.6	67.5	101.3
95	33.1	25.7	38.5



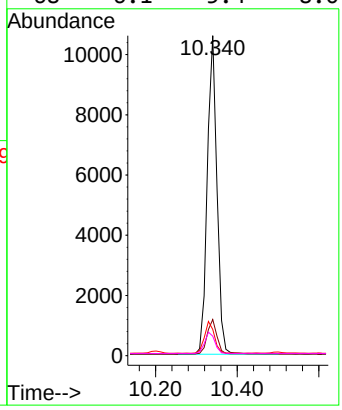


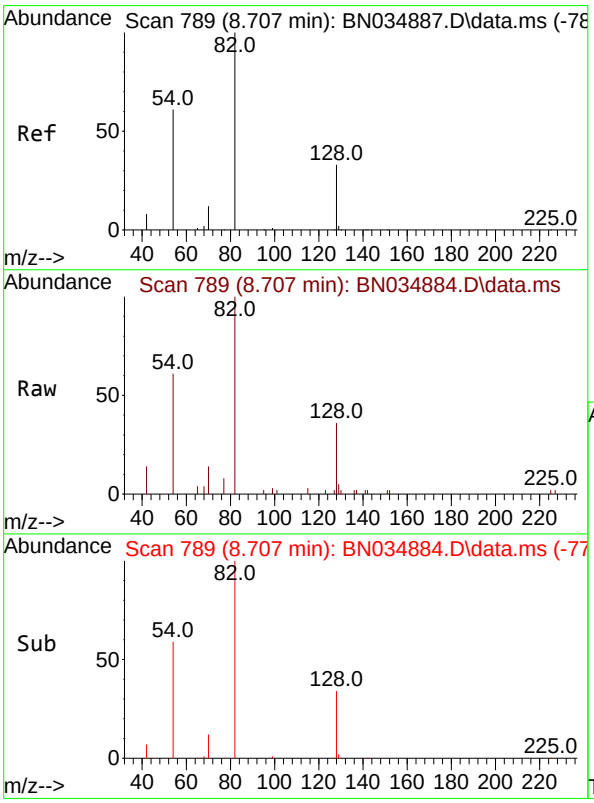
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.340 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 17441

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.2	6.9	10.3
68	6.1	5.4	8.0

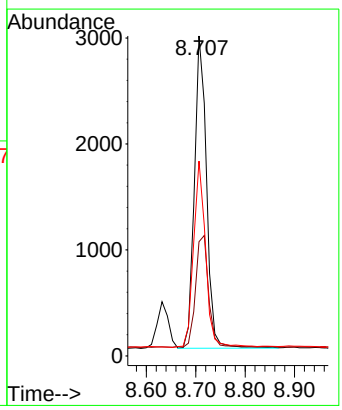


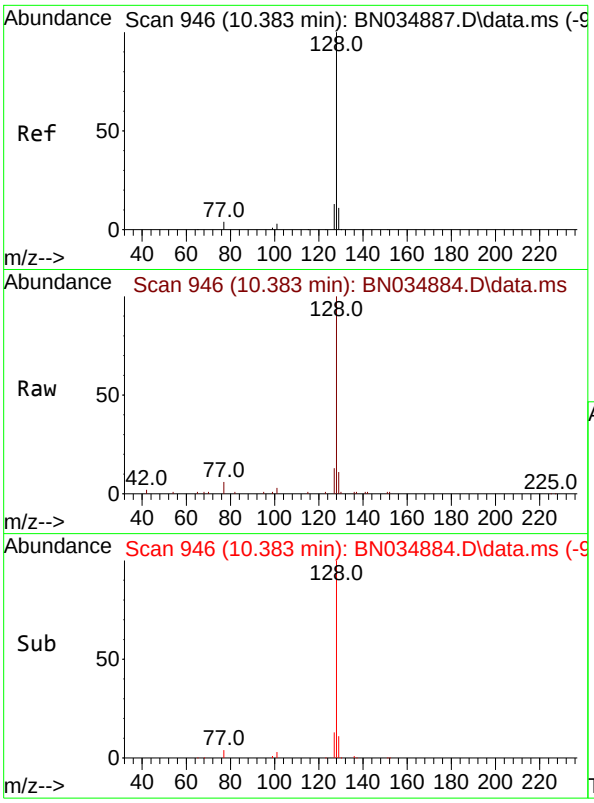


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.707 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion: 82 Resp: 5014

Ion	Ratio	Lower	Upper
82	100		
128	35.7	28.1	42.1
54	60.9	49.8	74.6



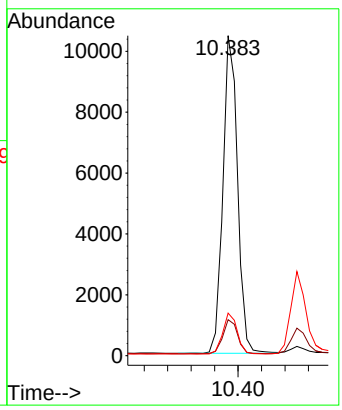


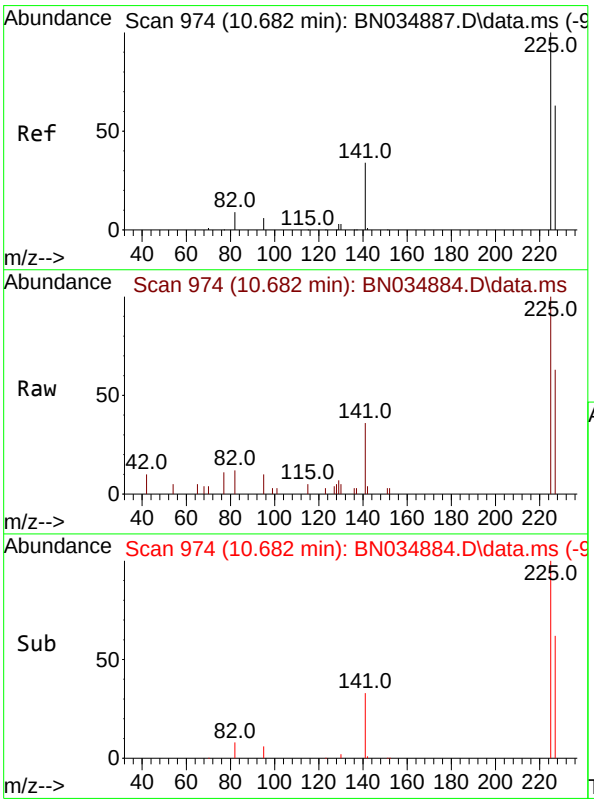
#9
Naphthalene
Concen: 0.372 ng
RT: 10.383 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 17985

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.8	16.2

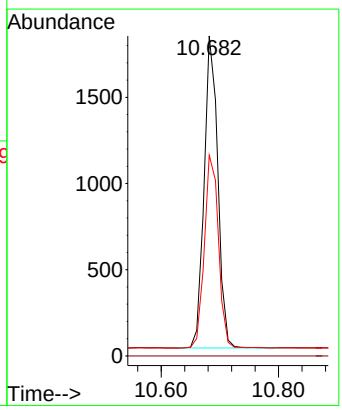


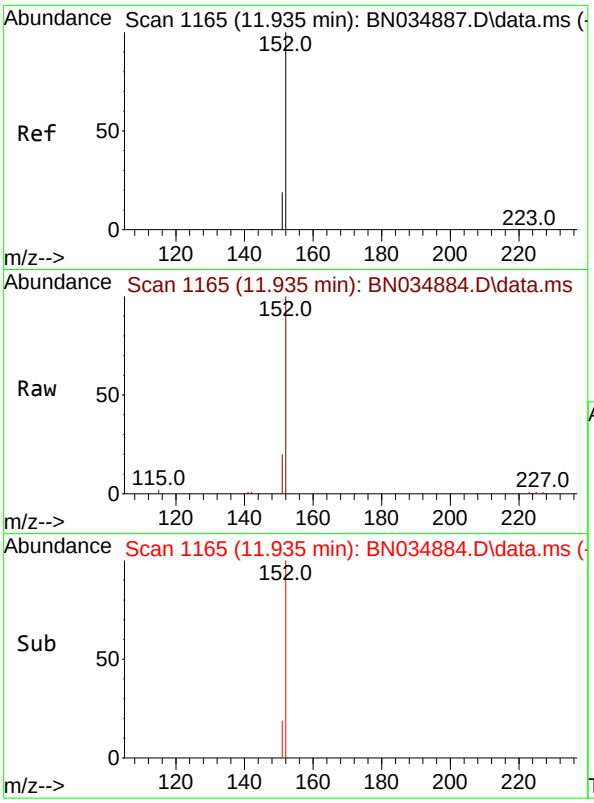


#10
Hexachlorobutadiene
Concen: 0.380 ng
RT: 10.682 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:225 Resp: 2934

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	52.0	78.0



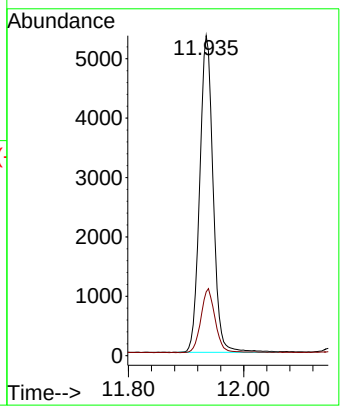


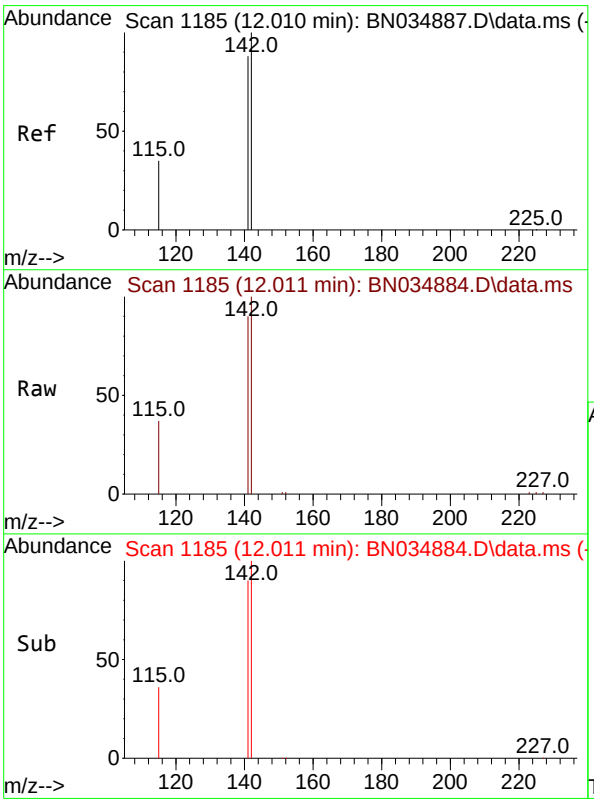
#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 11.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8606

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.1	25.7

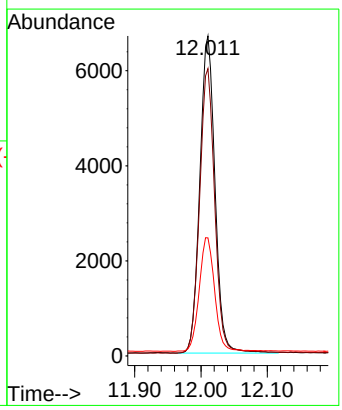


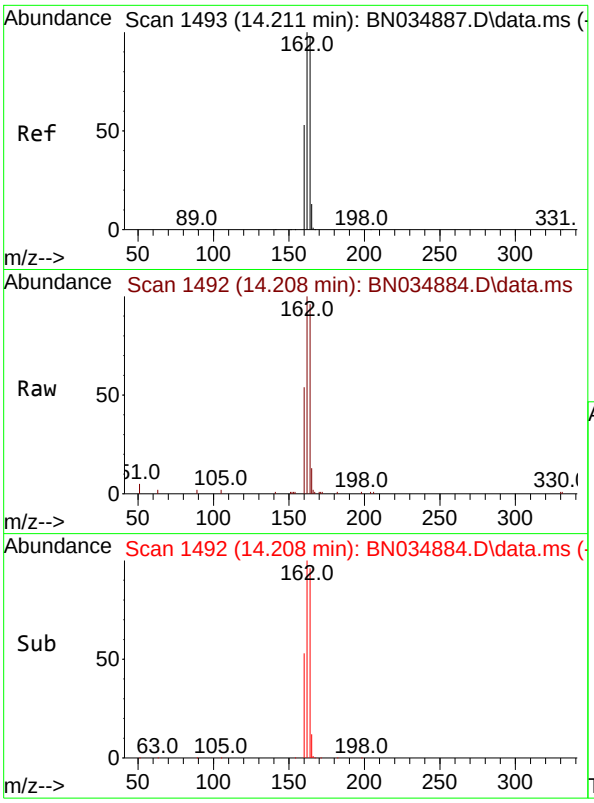


#12
2-Methylnaphthalene
Concen: 0.359 ng
RT: 12.011 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:142 Resp: 10623

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.5	105.7
115	36.9	29.4	44.2



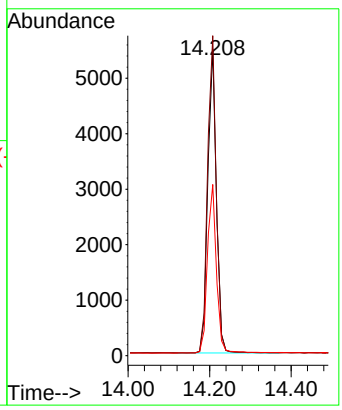


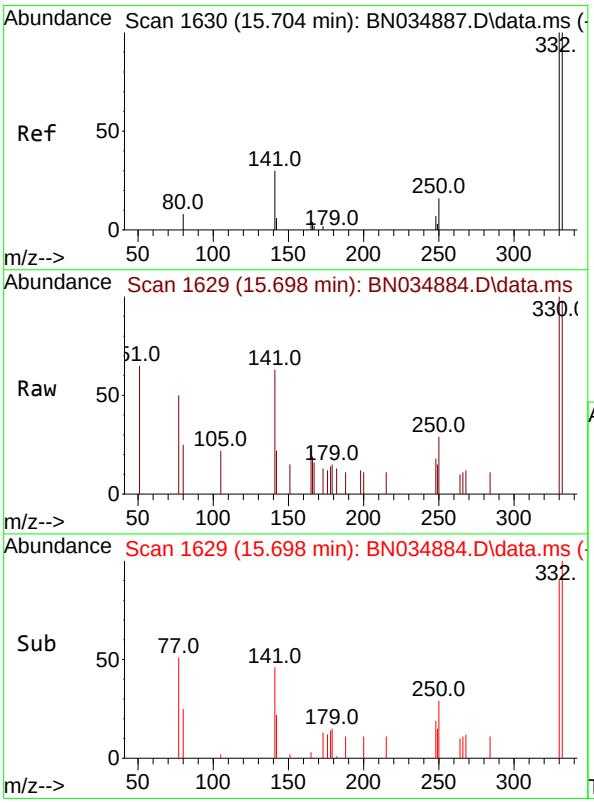
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.208 min Scan# 14
Delta R.T. -0.003 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8024

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.9	122.9
160	55.8	43.5	65.3

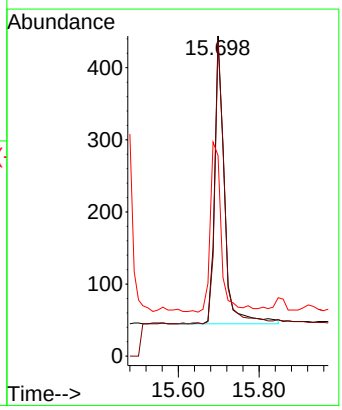


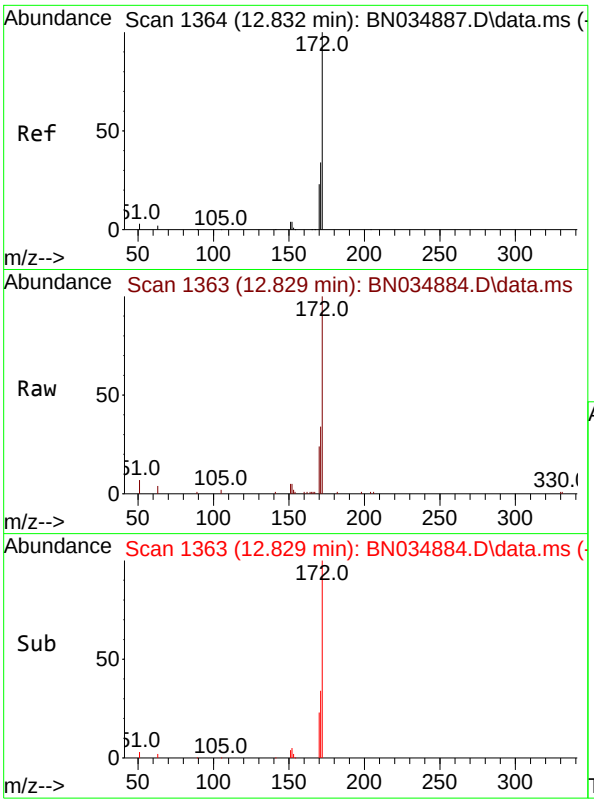


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.698 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:330 Resp: 673

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	63.9	54.1	81.1



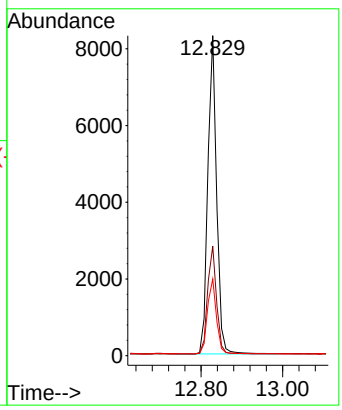


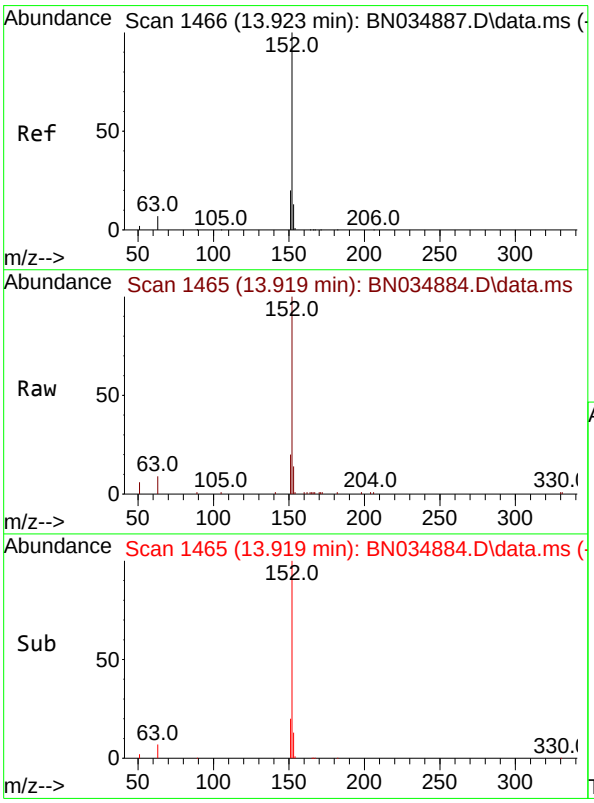
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.829 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 12449

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.9	41.9
170	23.9	19.0	28.4

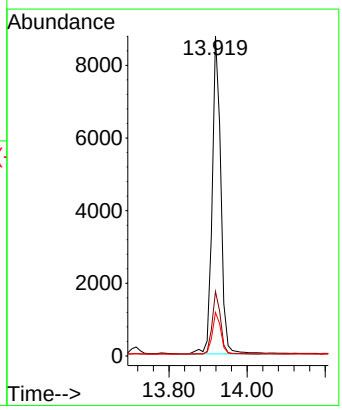


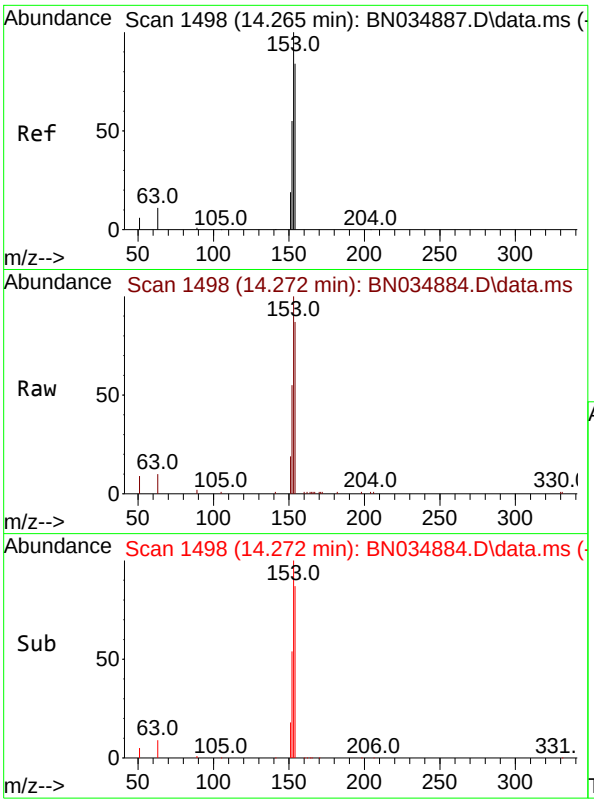


#16
Acenaphthylene
Concen: 0.348 ng
RT: 13.919 min Scan# 1465
Delta R.T. -0.004 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:152 Resp: 13467

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	13.0	10.4	15.6



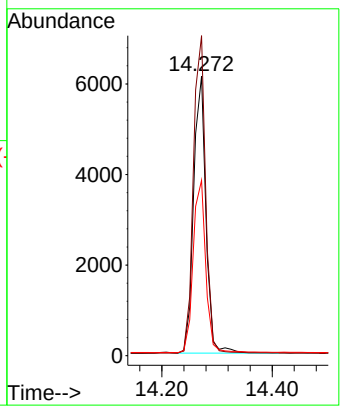


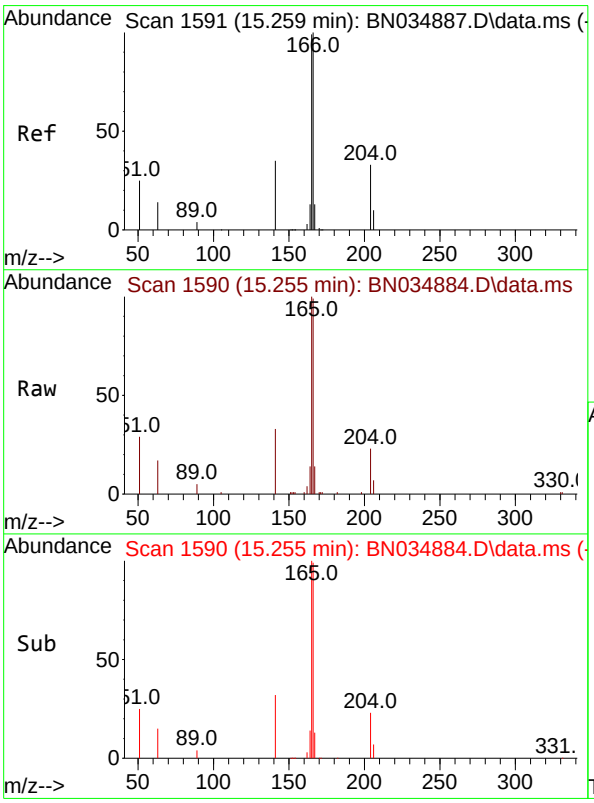
#17
Acenaphthene
Concen: 0.353 ng
RT: 14.272 min Scan# 14
Delta R.T. 0.007 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9462

Ion	Ratio	Lower	Upper
154	100		
153	114.3	92.2	138.2
152	64.2	51.1	76.7

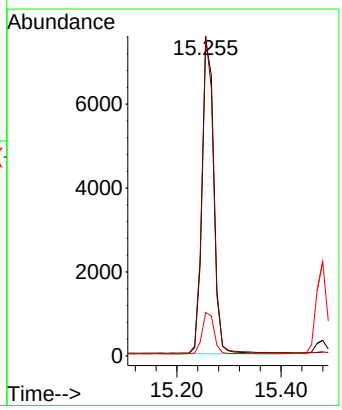


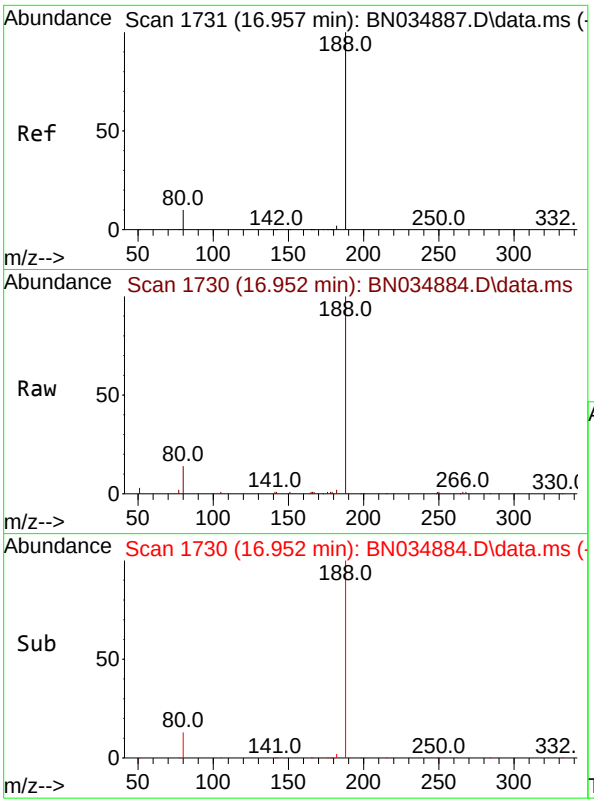


#18
Fluorene
Concen: 0.351 ng
RT: 15.255 min Scan# 1590
Delta R.T. -0.004 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:166 Resp: 11716

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.5	119.3
167	13.4	10.6	16.0



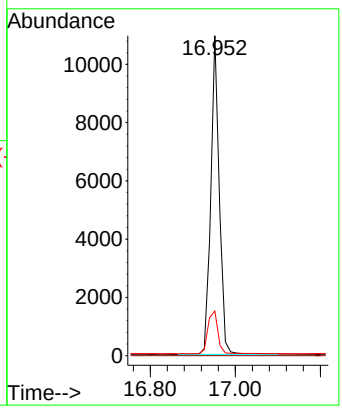


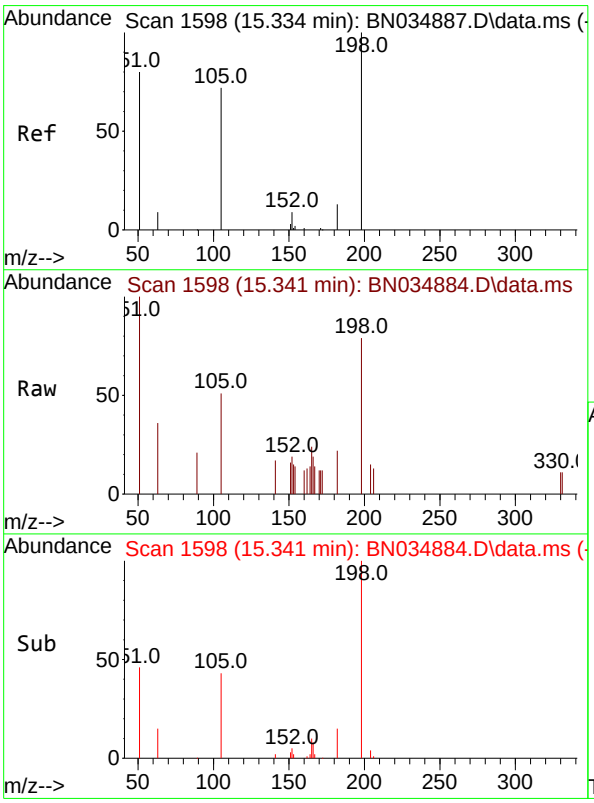
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.952 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 15173

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	8.6	12.8#

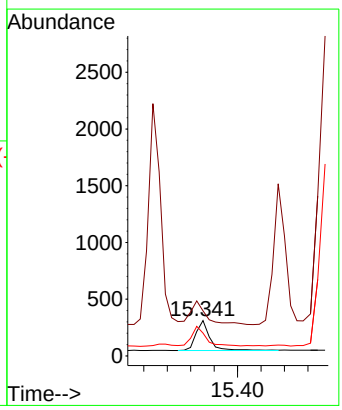


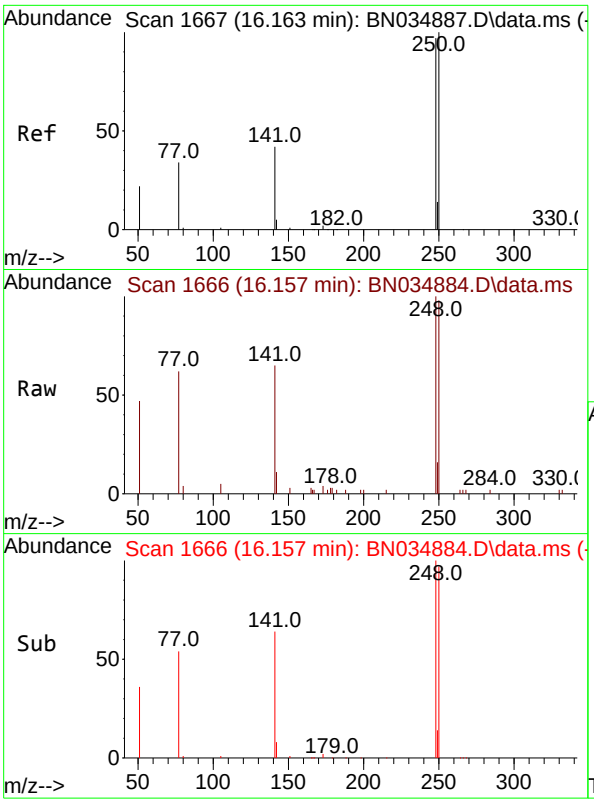


#20
4,6-Dinitro-2-methylphenol
Concen: 0.329 ng
RT: 15.341 min Scan# 1598
Delta R.T. 0.007 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:198 Resp: 433

Ion	Ratio	Lower	Upper
198	100		
51	127.2	141.8	212.8#
105	64.7	75.6	113.4#



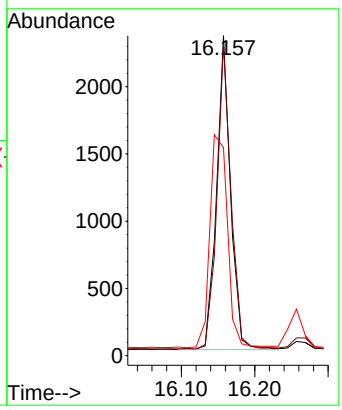


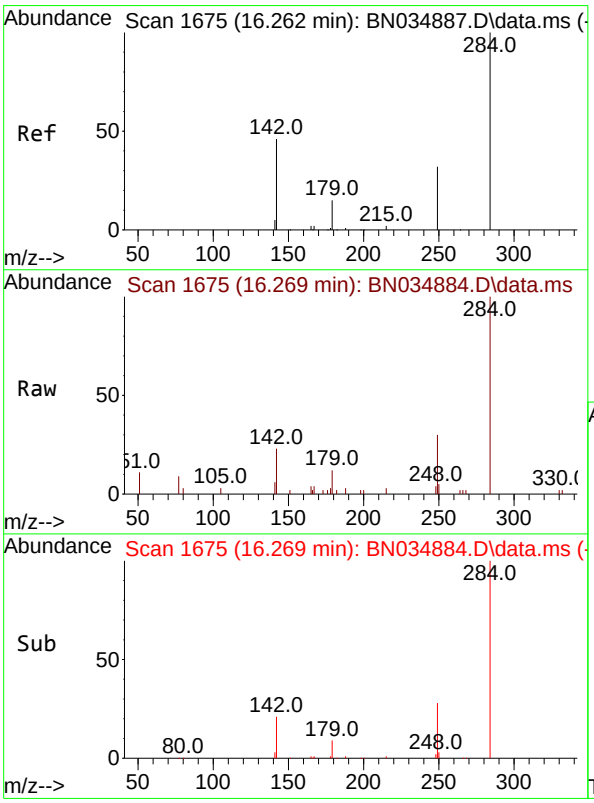
#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.157 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3080

Ion	Ratio	Lower	Upper
248	100		
250	97.6	82.2	123.4
141	65.0	36.2	54.2#

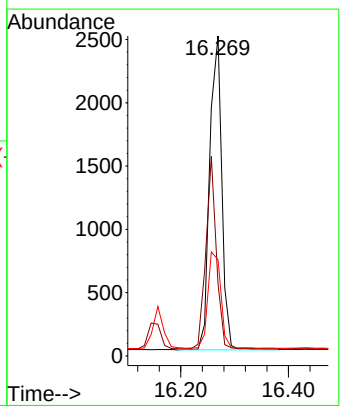


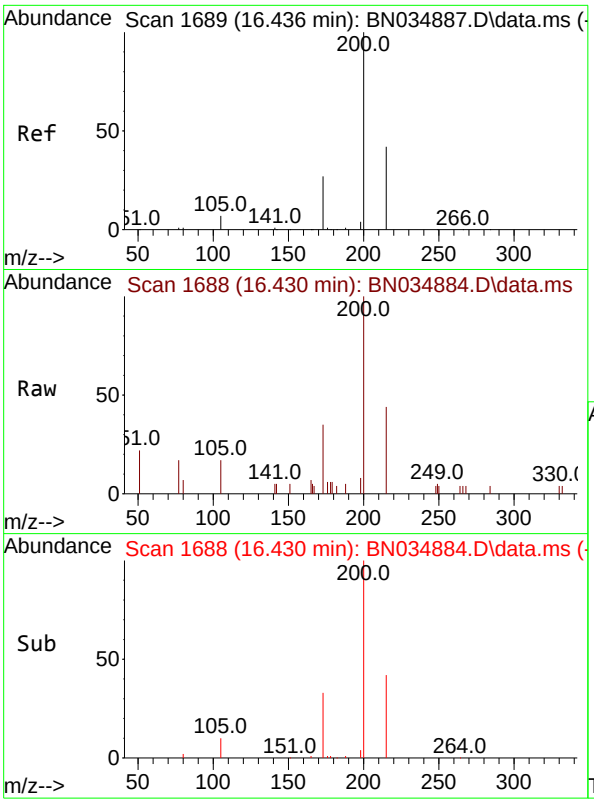


#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.269 min Scan# 1675
Delta R.T. 0.007 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:284 Resp: 3852

Ion	Ratio	Lower	Upper
284	100		
142	52.9	43.4	65.2
249	33.2	25.8	38.6



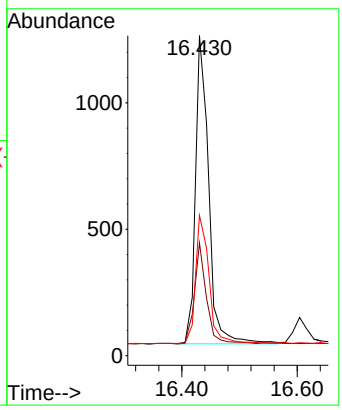


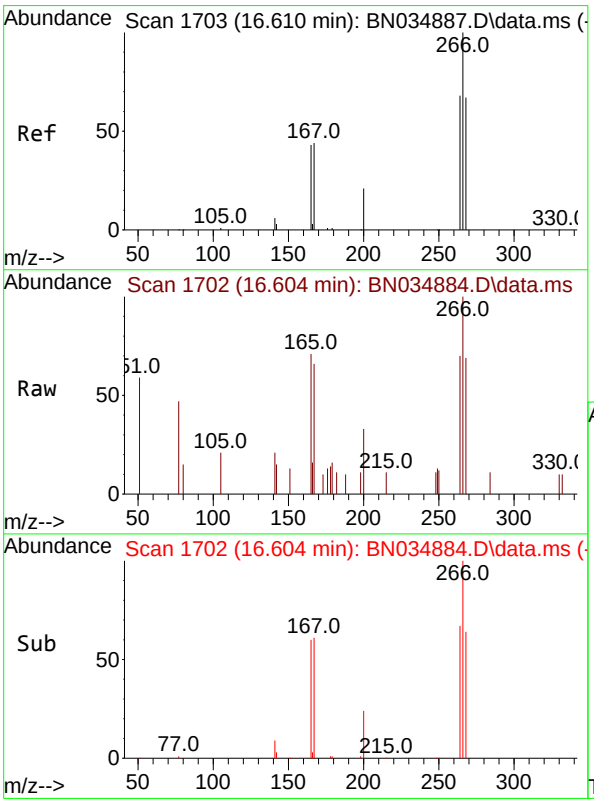
#23
Atrazine
Concen: 0.330 ng
RT: 16.430 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1936

Ion	Ratio	Lower	Upper
200	100		
173	35.2	23.4	35.2#
215	43.8	35.4	53.0

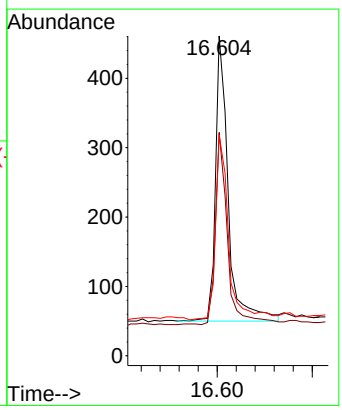


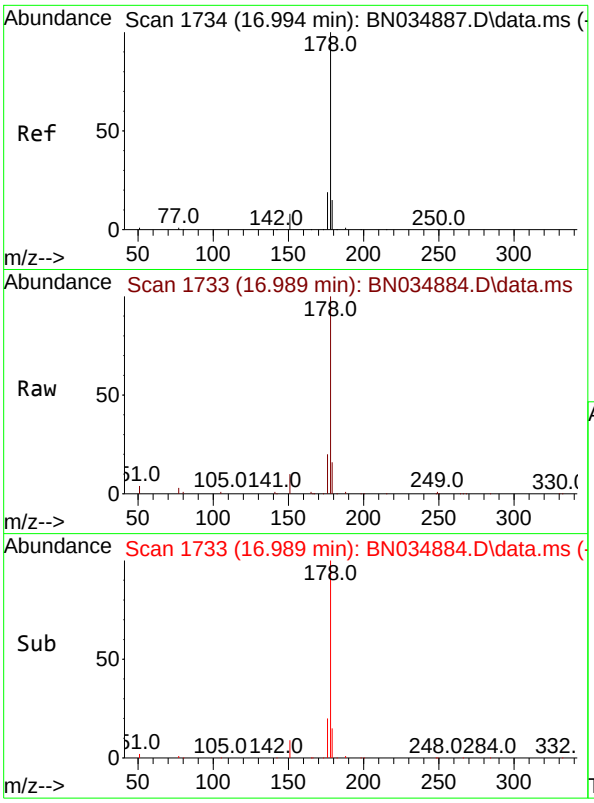


#24
Pentachlorophenol
Concen: 0.329 ng
RT: 16.604 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:266 Resp: 757

Ion	Ratio	Lower	Upper
266	100		
264	64.6	51.3	76.9
268	66.7	53.0	79.6



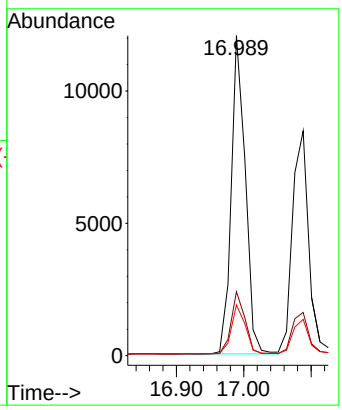


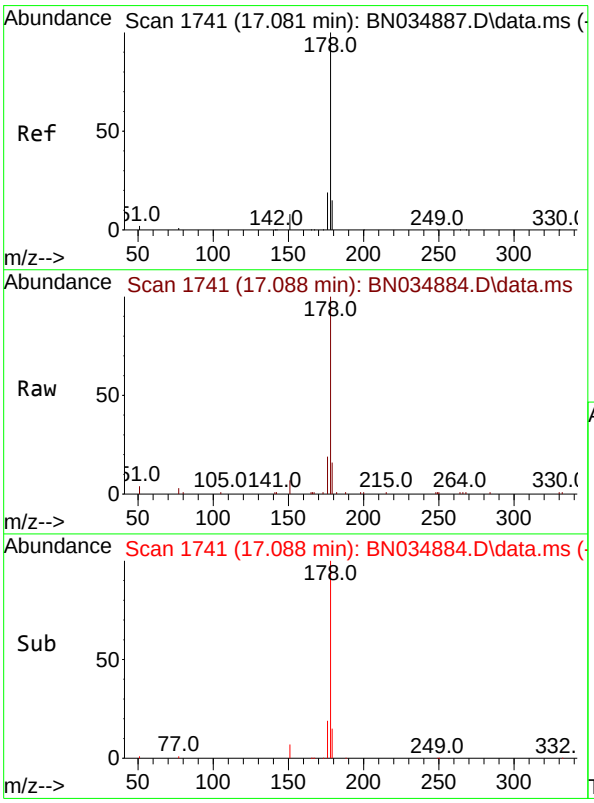
#25
Phenanthrene
Concen: 0.373 ng
RT: 16.989 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17368

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	12.2	18.2

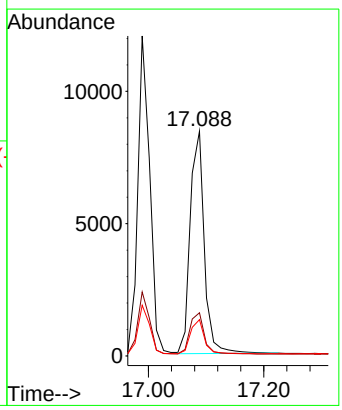


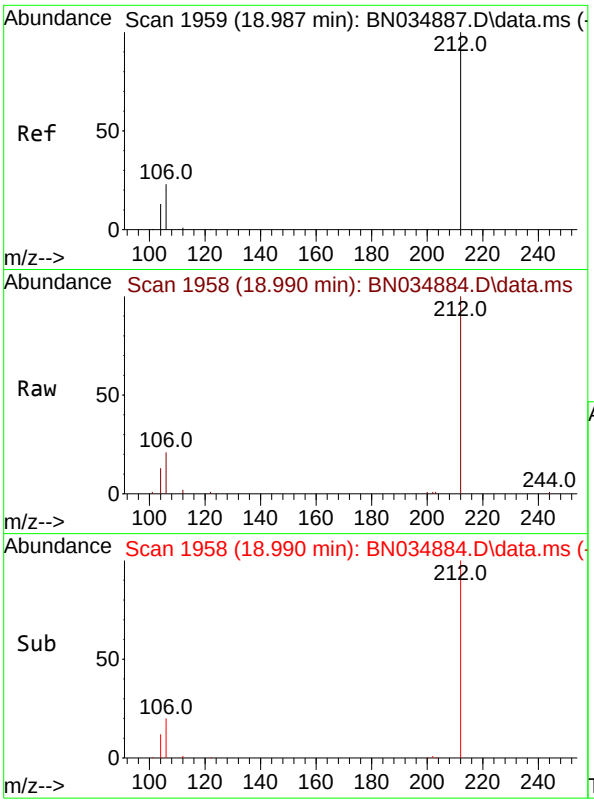


#26
Anthracene
Concen: 0.356 ng
RT: 17.088 min Scan# 1741
Delta R.T. 0.007 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:178 Resp: 14276

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.3	12.1	18.1



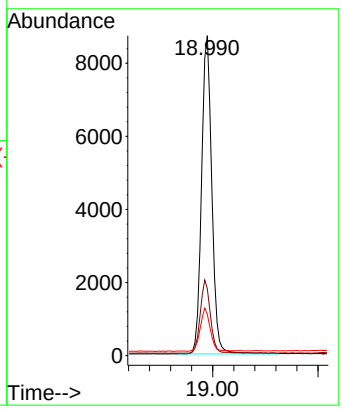


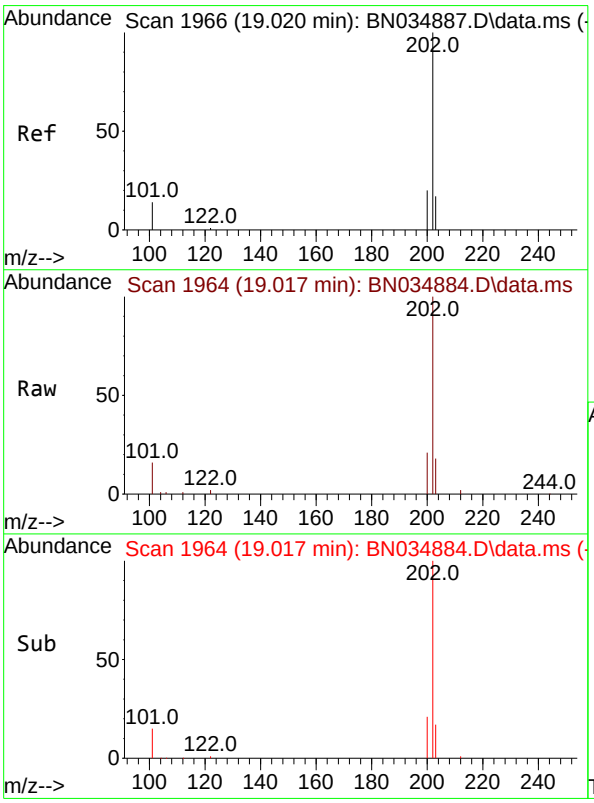
#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 18.990 min Scan# 1
Delta R.T. 0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 11772

Ion	Ratio	Lower	Upper
212	100		
106	22.4	18.2	27.4
104	13.1	10.6	15.8

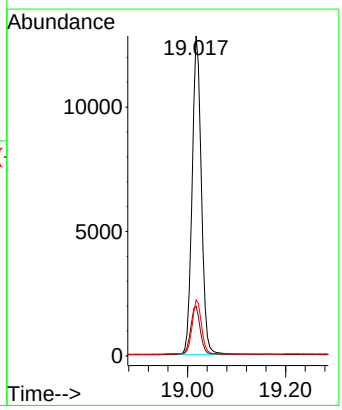


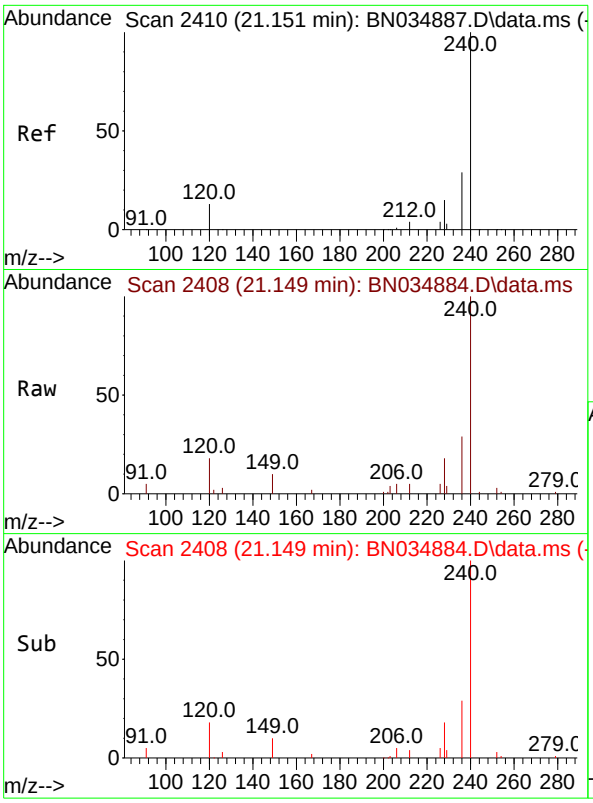


#28
Fluoranthene
Concen: 0.341 ng
RT: 19.017 min Scan# 1964
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:202 Resp: 16708

Ion	Ratio	Lower	Upper
202	100		
101	16.0	12.7	19.1
203	17.2	13.7	20.5



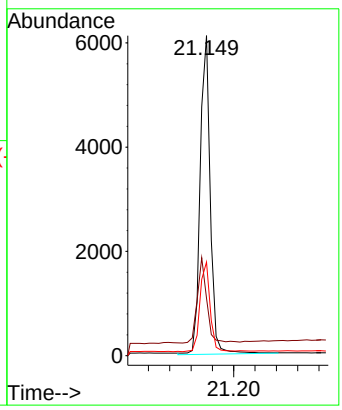


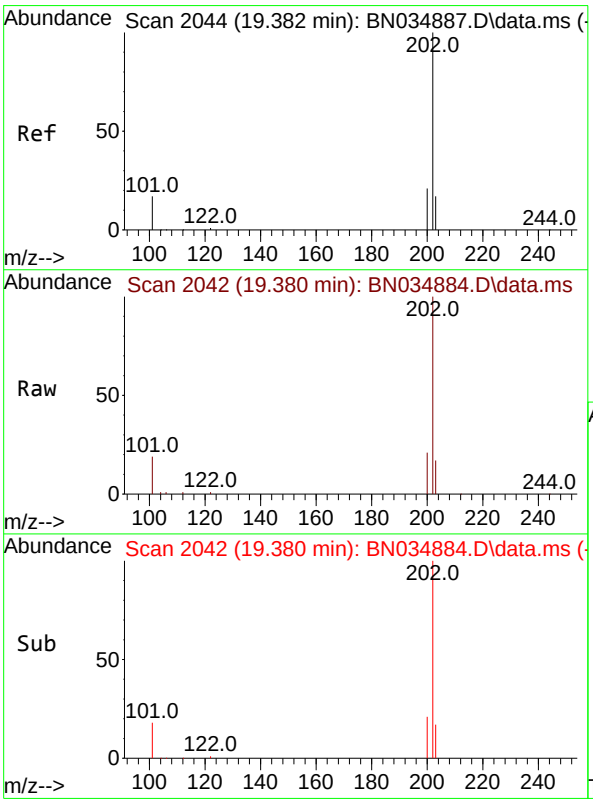
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.149 min Scan# 24
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8034

Ion	Ratio	Lower	Upper
240	100		
120	17.9	13.8	20.8
236	29.3	23.8	35.6

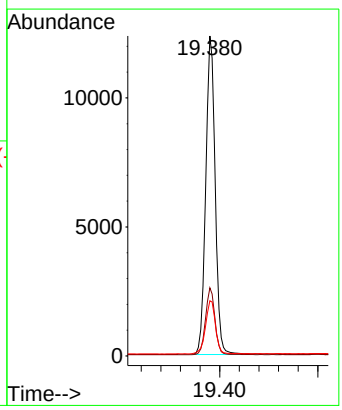


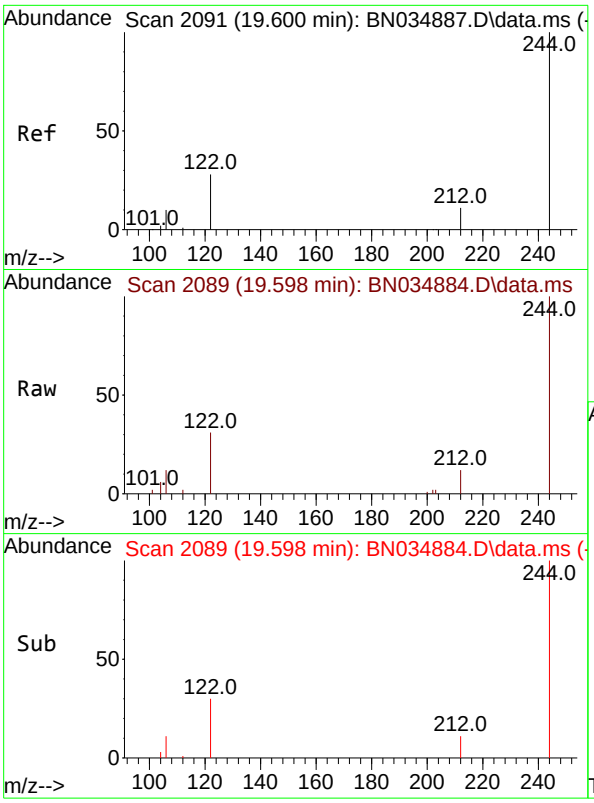


#30
Pyrene
Concen: 0.406 ng
RT: 19.380 min Scan# 2042
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:202 Resp: 16510

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.5	14.1	21.1



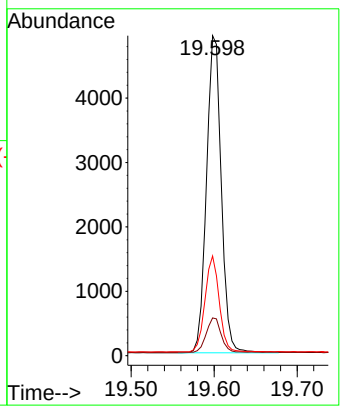


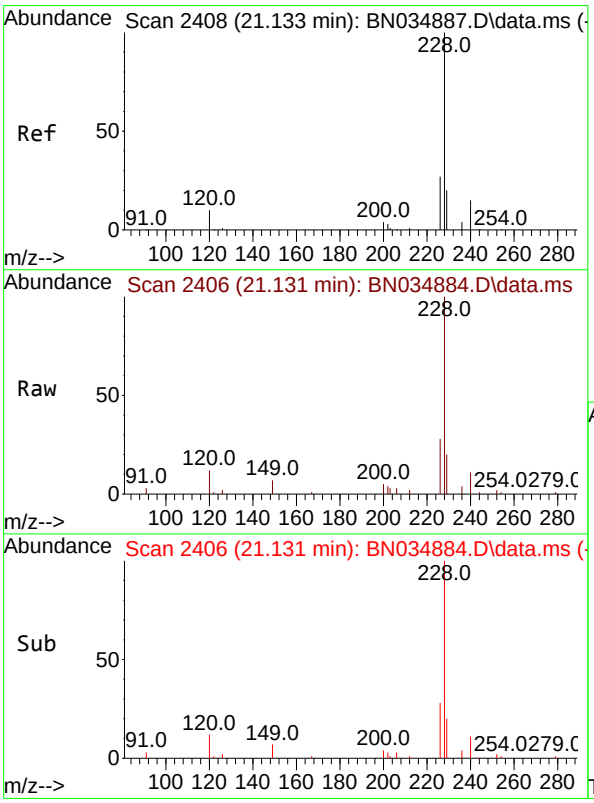
#31
Terphenyl-d14
Concen: 0.405 ng
RT: 19.598 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6093

Ion	Ratio	Lower	Upper
244	100		
212	11.8	9.4	14.0
122	31.1	23.0	34.4

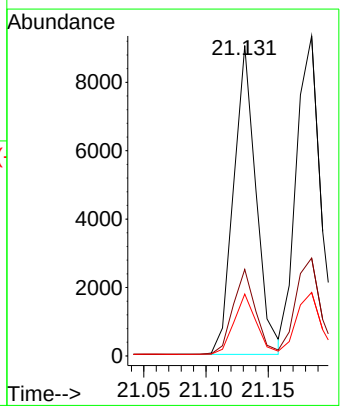


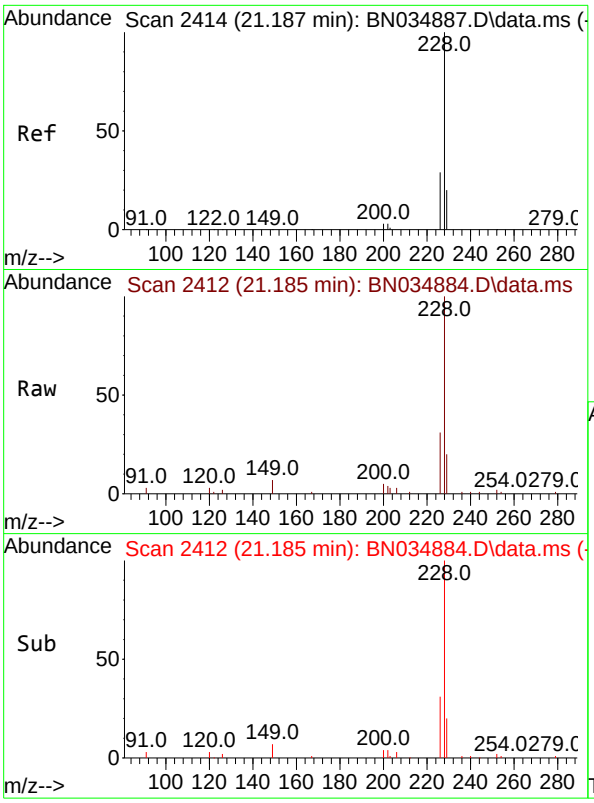


#32
Benzo(a)anthracene
Concen: 0.361 ng
RT: 21.131 min Scan# 2406
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:228 Resp: 11302

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	19.9	16.0	24.0



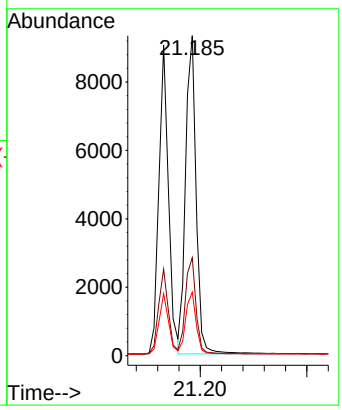


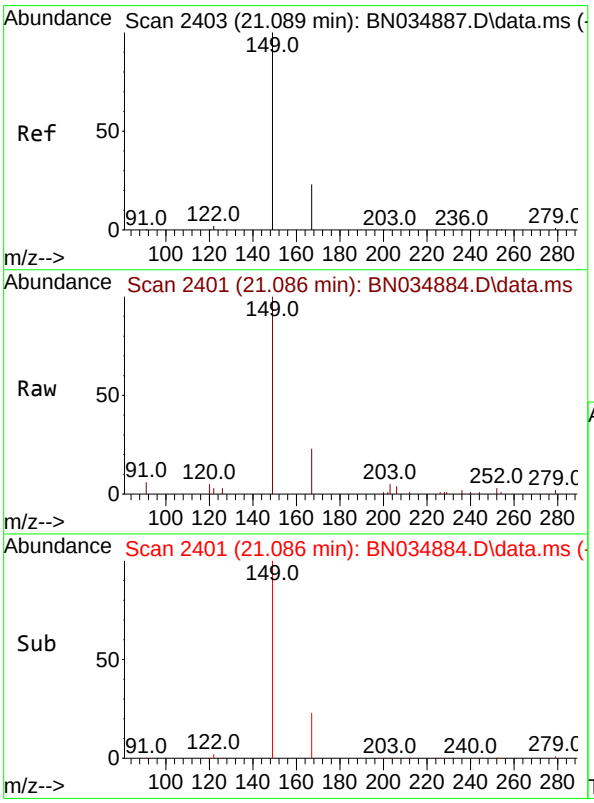
#33
Chrysene
Concen: 0.385 ng
RT: 21.185 min Scan# 24
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12771

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	19.8	16.3	24.5

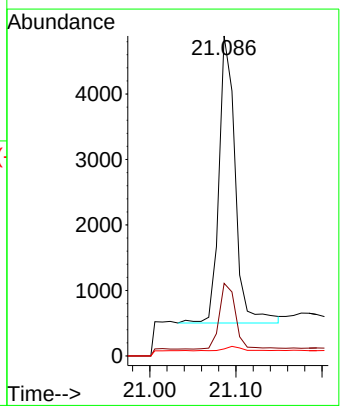


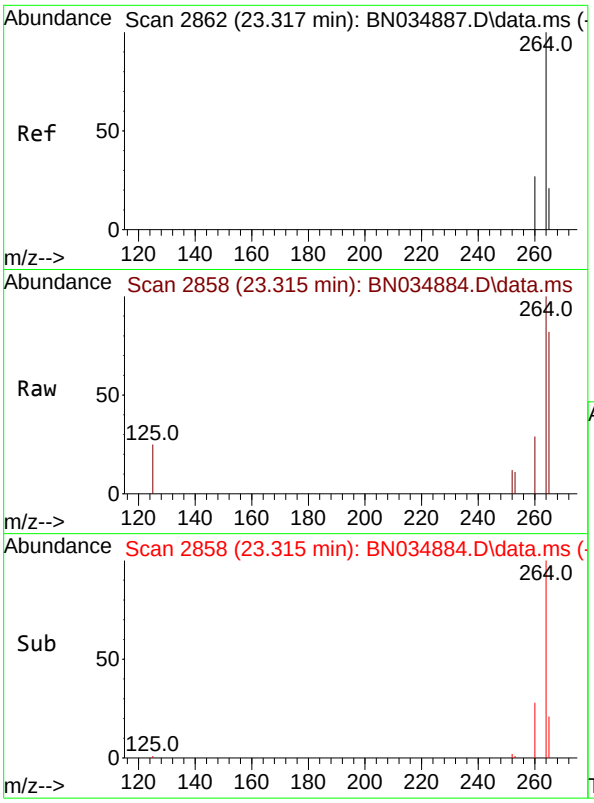


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.319 ng
RT: 21.086 min Scan# 2401
Delta R.T. -0.003 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:149 Resp: 5739

Ion	Ratio	Lower	Upper
149	100		
167	22.7	18.1	27.1
279	1.7	1.2	1.8



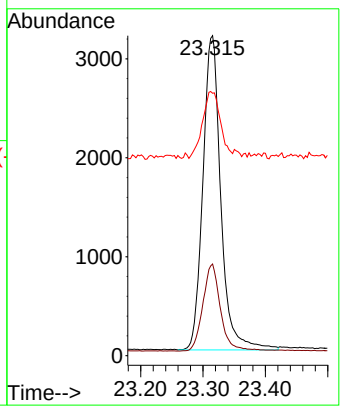


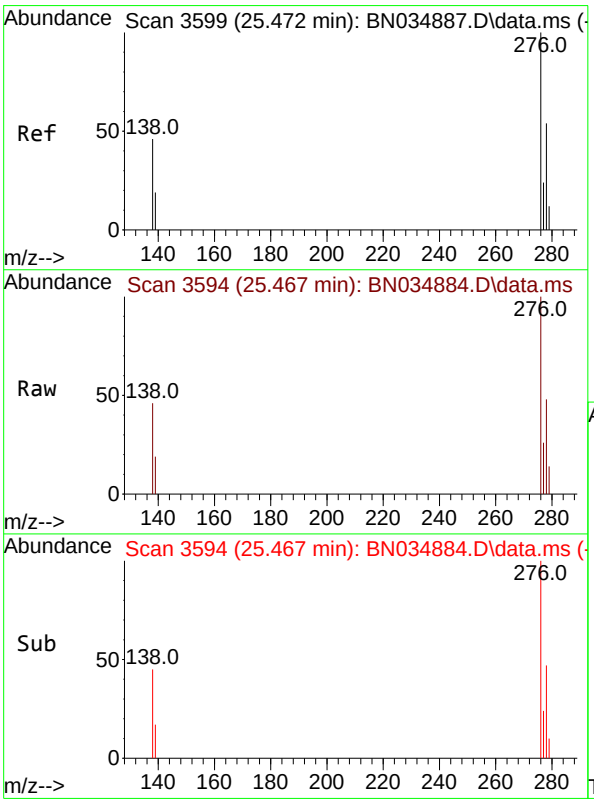
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.315 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 6346

Ion	Ratio	Lower	Upper
264	100		
260	28.6	22.2	33.2
265	82.0	60.9	91.3

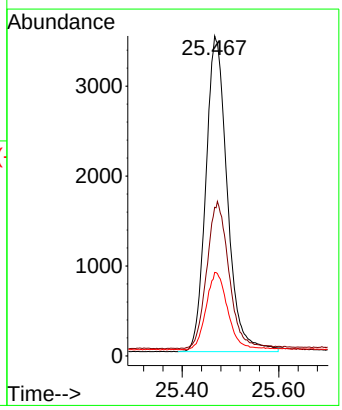


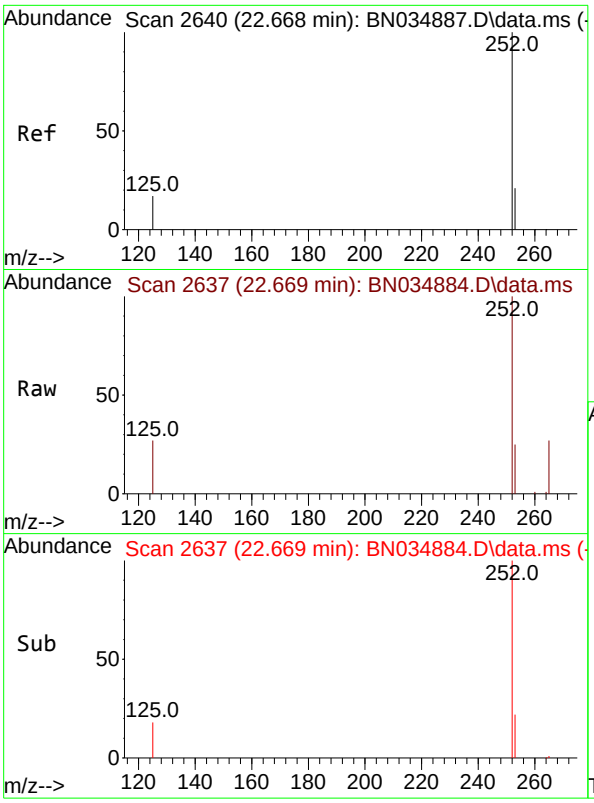


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.383 ng
RT: 25.467 min Scan# 3594
Delta R.T. -0.005 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:276 Resp: 10827

Ion	Ratio	Lower	Upper
276	100		
138	48.4	38.4	57.6
277	24.6	19.4	29.2



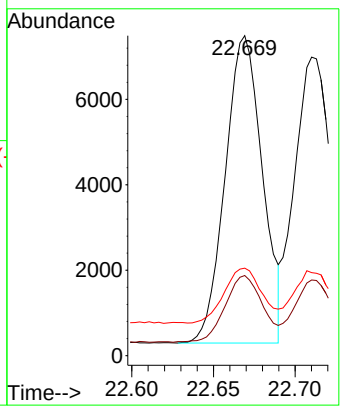


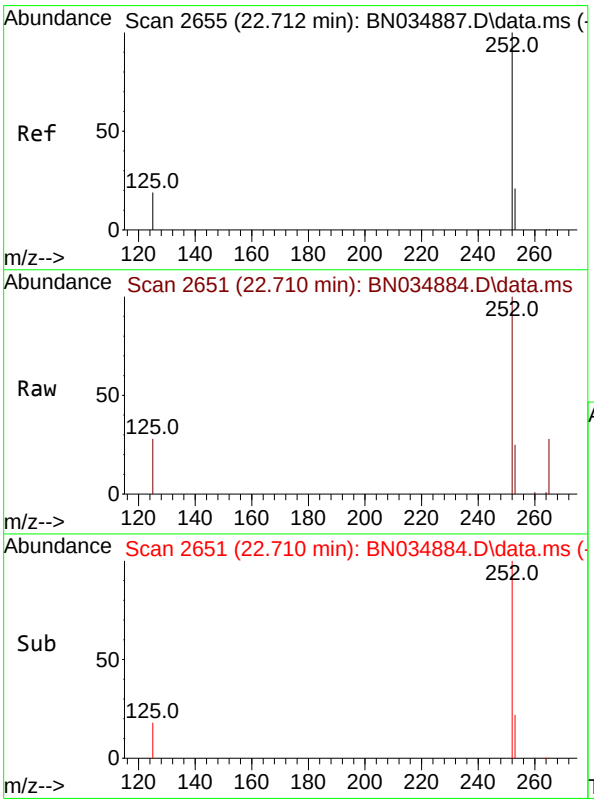
#37
Benzo(b)fluoranthene
Concen: 0.409 ng
RT: 22.669 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11411

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.4	29.2
125	27.4	21.4	32.2

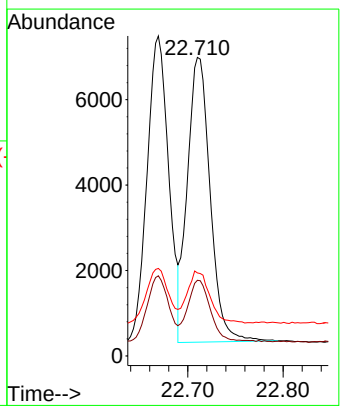


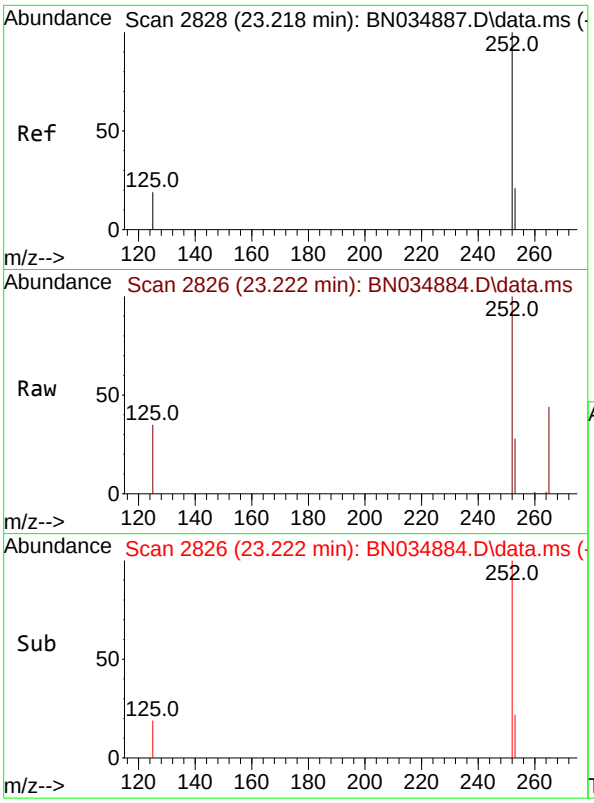


#38
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 22.710 min Scan# 2651
Delta R.T. -0.002 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:252 Resp: 11104

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.8	29.8
125	27.8	22.6	33.8



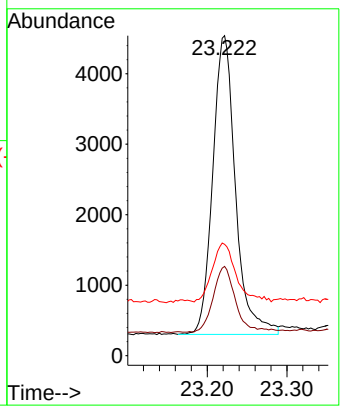


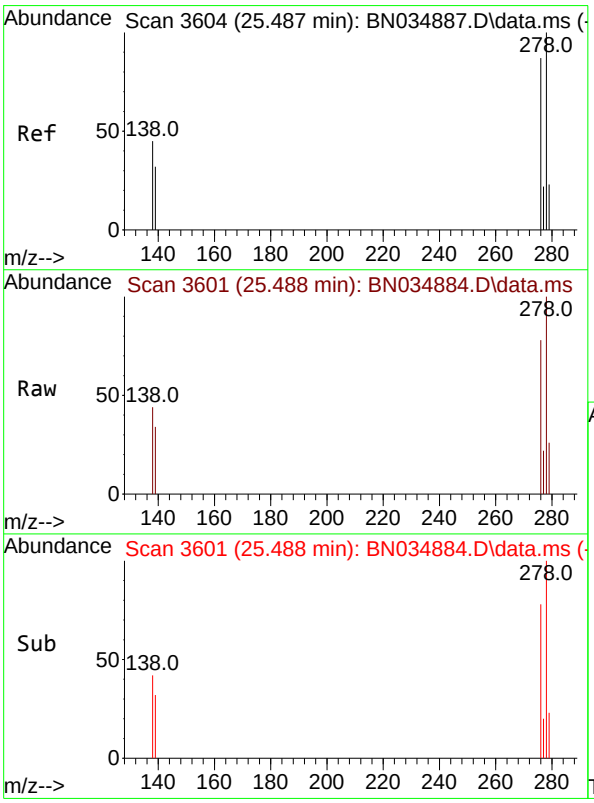
#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.222 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8408

Ion	Ratio	Lower	Upper
252	100		
253	27.9	21.4	32.2
125	34.8	27.8	41.6

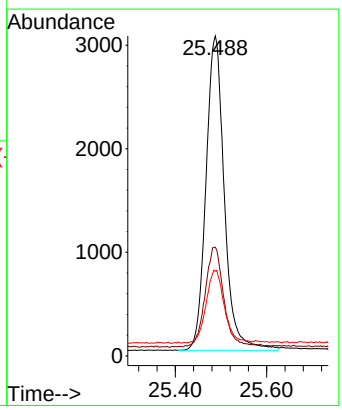


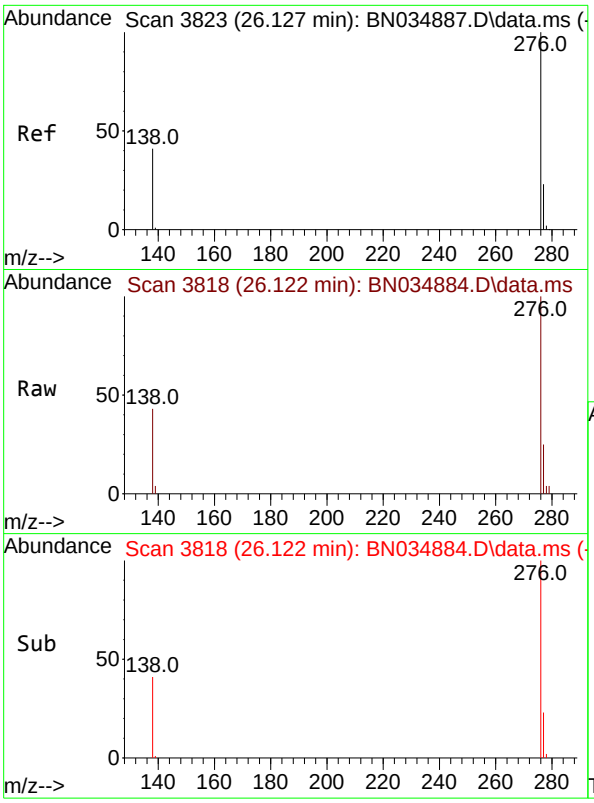


#40
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 25.488 min Scan# 3601
Delta R.T. 0.001 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Tgt Ion:278 Resp: 8458

Ion	Ratio	Lower	Upper
278	100		
139	34.0	27.2	40.8
279	26.4	21.4	32.0





#41
Benzo(g,h,i)perylene
Concen: 0.421 ng
RT: 26.122 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN034884.D
Acq: 07 Nov 2024 09:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9778

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.2	30.2
138	43.0	33.9	50.9