Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061024\
Data File : BN031888.D
Acq On : 10 Jun 2024 22:10
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 11 00:11:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 15:47:32 2024
Response via : Initial Calibration

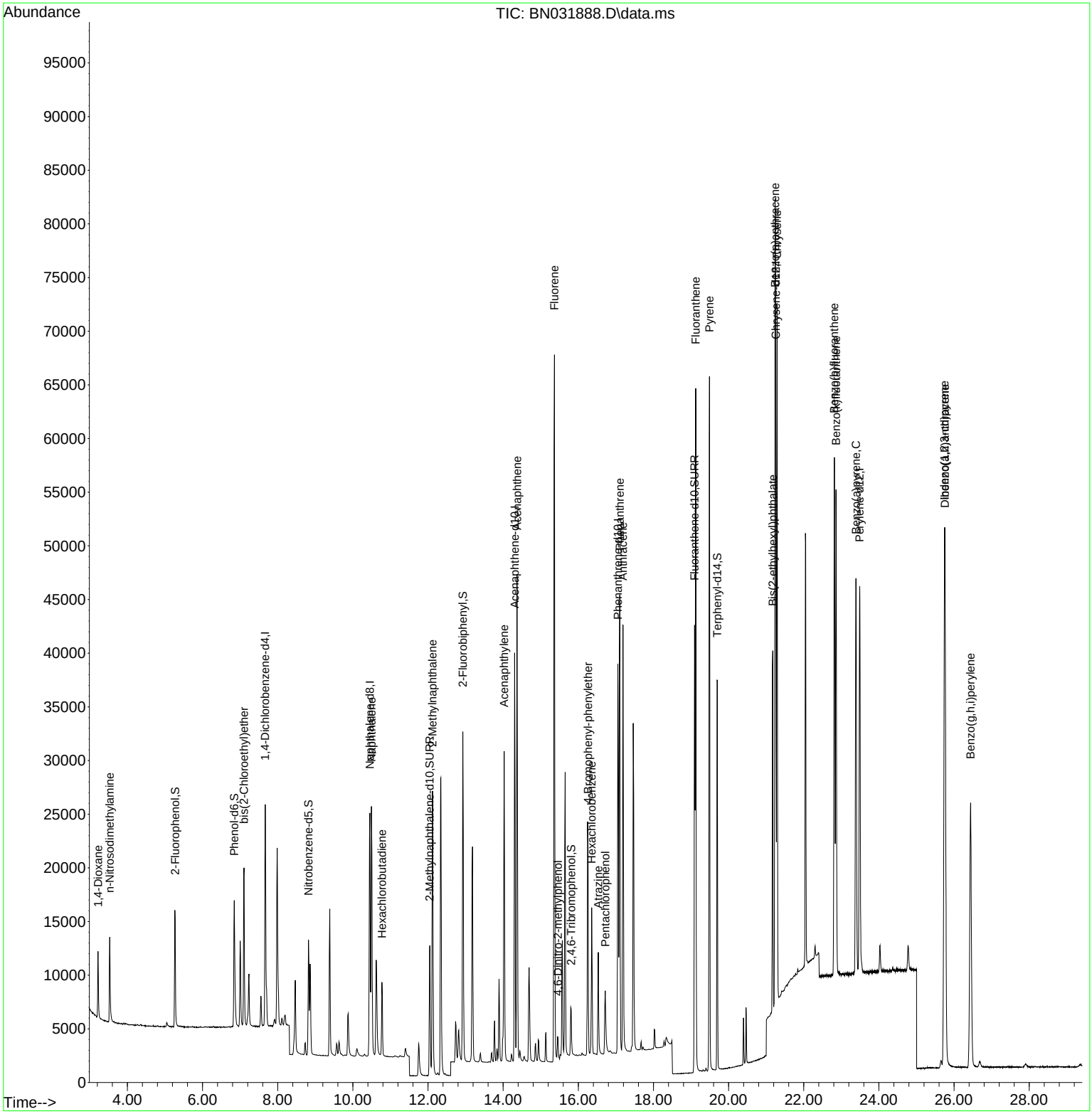
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.667	152	10400	0.400	ng		0.00
7) Naphthalene-d8	10.453	136	34338	0.400	ng		0.00
13) Acenaphthene-d10	14.306	164	21821	0.400	ng		-0.01
19) Phenanthrene-d10	17.053	188	51067	0.400	ng		#-0.01
29) Chrysene-d12	21.255	240	45654	0.400	ng		0.00
35) Perylene-d12	23.490	264	48388	0.400	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.270	112	9688	0.328	ng		0.00
5) Phenol-d6	6.844	99	12457	0.321	ng		0.00
8) Nitrobenzene-d5	8.819	82	9331	0.327	ng		0.00
11) 2-Methylnaphthalene-d10	12.047	152	18922	0.346	ng		0.00
14) 2,4,6-Tribromophenol	15.812	330	3019	0.289	ng		0.00
15) 2-Fluorobiphenyl	12.927	172	29227	0.353	ng		0.00
27) Fluoranthene-d10	19.095	212	46027	0.331	ng		0.00
31) Terphenyl-d14	19.699	244	36152	0.324	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.219	88	4327	0.340	ng		95
3) n-Nitrosodimethylamine	3.529	42	4321	0.357	ng		94
6) bis(2-Chloroethyl)ether	7.104	93	11624	0.348	ng		100
9) Naphthalene	10.495	128	32506	0.352	ng		100
10) Hexachlorobutadiene	10.773	225	5667	0.351	ng	#	99
12) 2-Methylnaphthalene	12.122	142	22128	0.350	ng		99
16) Acenaphthylene	14.028	152	32890	0.327	ng		100
17) Acenaphthene	14.370	154	22277	0.344	ng		99
18) Fluorene	15.364	166	30032	0.347	ng		100
20) 4,6-Dinitro-2-methylph...	15.461	198	2088	0.369	ng		94
21) 4-Bromophenyl-phenylether	16.259	248	9752	0.337	ng	#	91
22) Hexachlorobenzene	16.358	284	10447	0.348	ng		99
23) Atrazine	16.532	200	7846	0.296	ng		98
24) Pentachlorophenol	16.718	266	3861	0.373	ng		99
25) Phenanthrene	17.103	178	48461	0.342	ng		100
26) Anthracene	17.190	178	42470	0.323	ng		100
28) Fluoranthene	19.123	202	57811	0.336	ng		100
30) Pyrene	19.490	202	59483	0.328	ng		100
32) Benzo(a)anthracene	21.238	228	55305	0.322	ng		100
33) Chrysene	21.291	228	54834	0.337	ng		100
34) Bis(2-ethylhexyl)phtha...	21.175	149	33860	0.288	ng		98
36) Indeno(1,2,3-cd)pyrene	25.747	276	61567	0.341	ng		100
37) Benzo(b)fluoranthene	22.814	252	60103	0.341	ng		98
38) Benzo(k)fluoranthene	22.861	252	57151	0.343	ng		98
39) Benzo(a)pyrene	23.390	252	51857	0.341	ng		98
40) Dibenzo(a,h)anthracene	25.758	278	48433	0.341	ng		97
41) Benzo(g,h,i)perylene	26.442	276	51717	0.338	ng		99

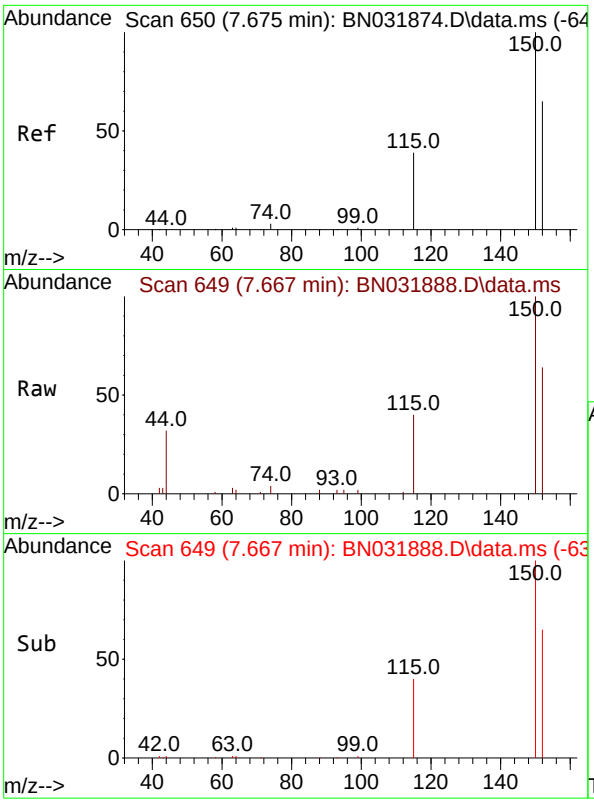
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061024\
Data File : BN031888.D
Acq On : 10 Jun 2024 22:10
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 11 00:11:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 15:47:32 2024
Response via : Initial Calibration



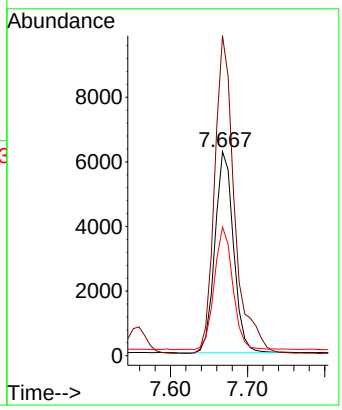


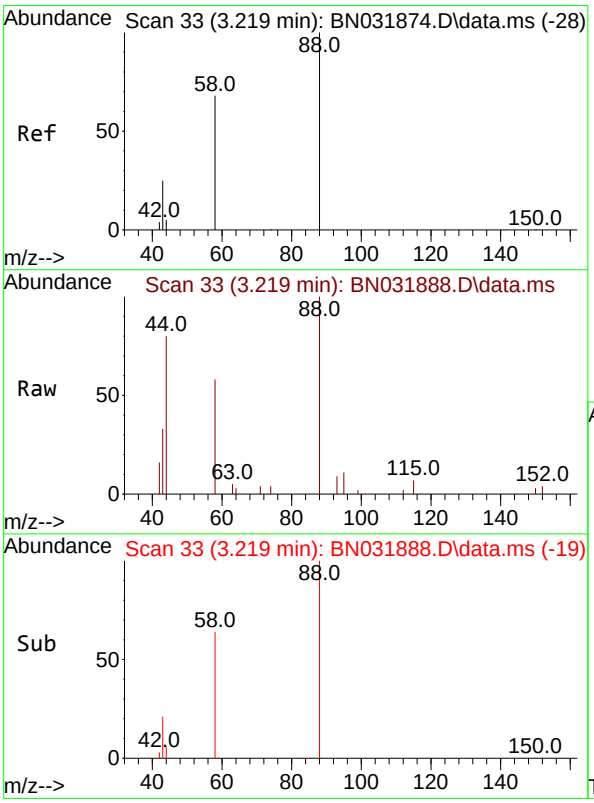
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.667 min Scan# 64
Delta R.T. -0.008 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 10400

Ion	Ratio	Lower	Upper
152	100		
150	156.8	121.0	181.4
115	63.0	49.4	74.0

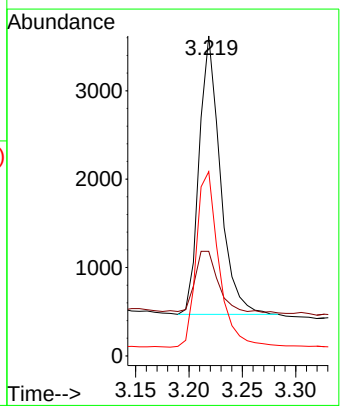


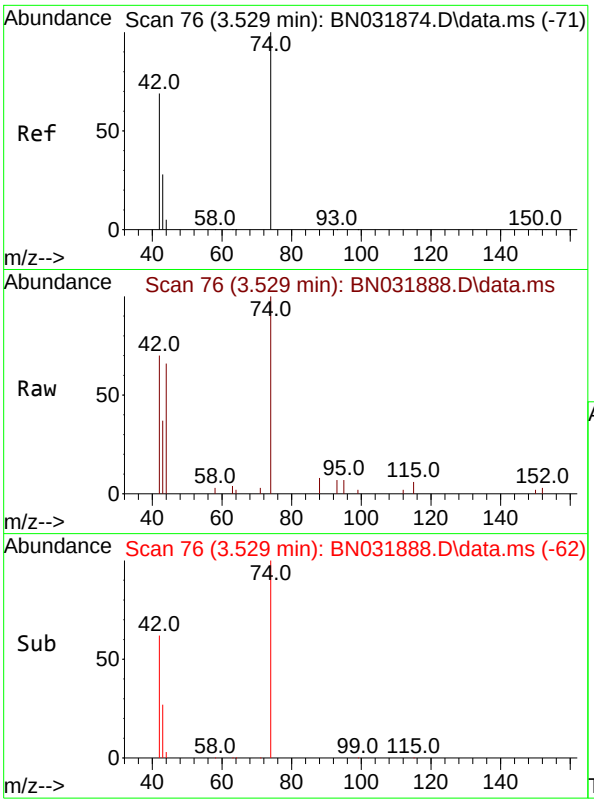


#2
1,4-Dioxane
Concen: 0.340 ng
RT: 3.219 min Scan# 33
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion: 88 Resp: 4327

Ion	Ratio	Lower	Upper
88	100		
43	25.0	22.7	34.1
58	68.0	51.3	76.9



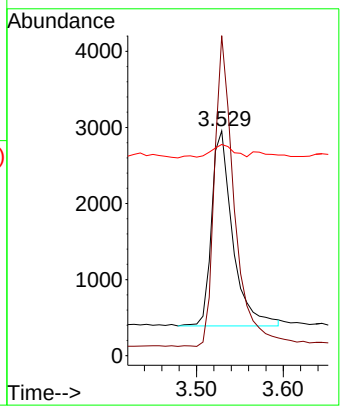


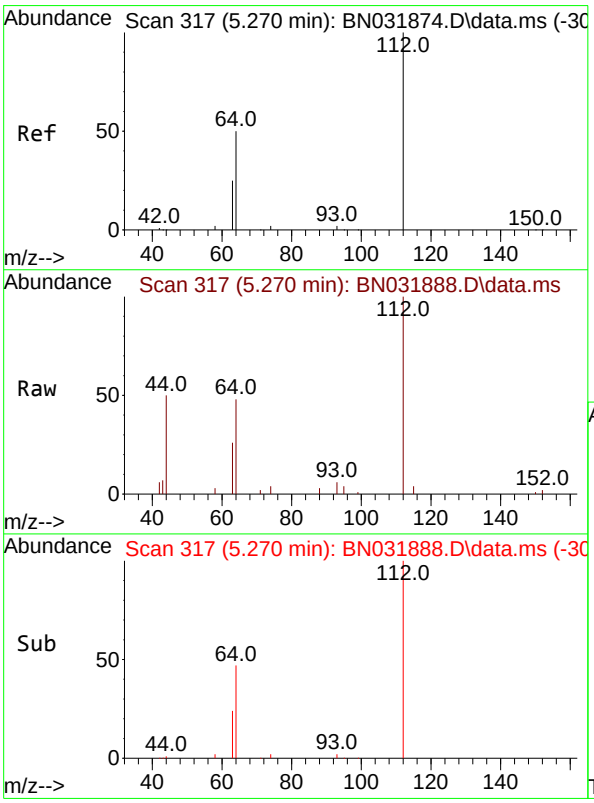
#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.529 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4321

Ion	Ratio	Lower	Upper
42	100		
74	148.0	125.2	187.8
44	7.6	6.9	10.3

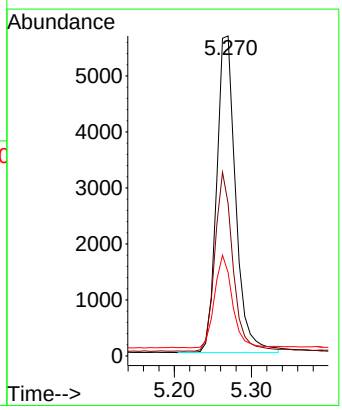


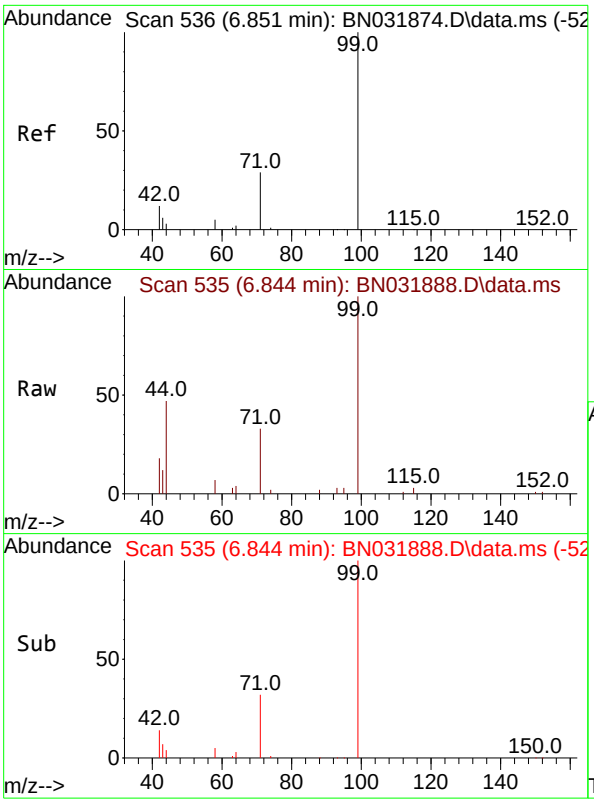


#4
2-Fluorophenol
Concen: 0.328 ng
RT: 5.270 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:112 Resp: 9688

Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.4	63.6
63	27.7	22.1	33.1



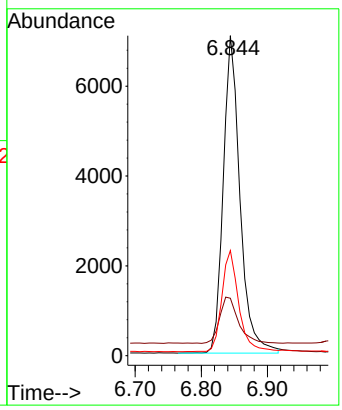


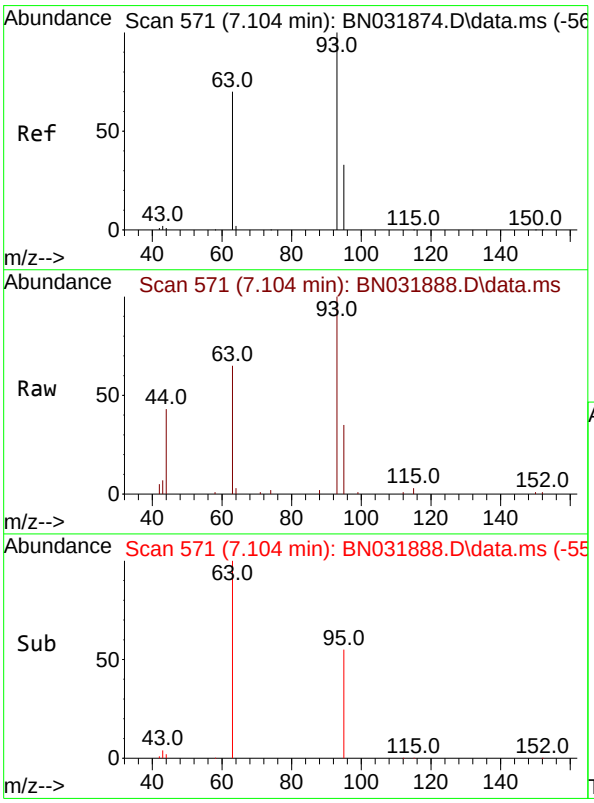
#5
Phenol-d6
Concen: 0.321 ng
RT: 6.844 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 12457

Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.8	19.2
71	32.1	25.4	38.2

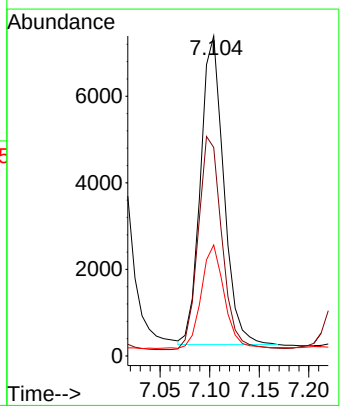


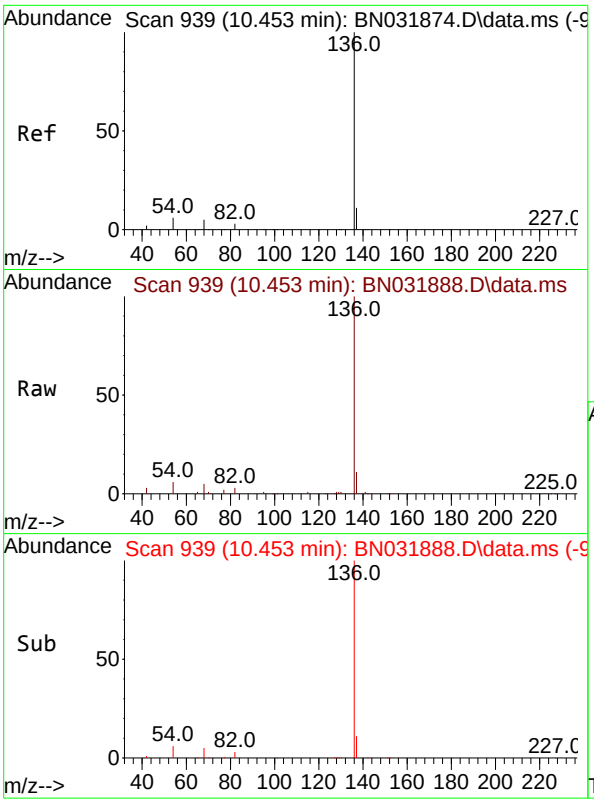


#6
bis(2-Chloroethyl)ether
Concen: 0.348 ng
RT: 7.104 min Scan# 571
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion: 93 Resp: 11624

Ion	Ratio	Lower	Upper
93	100		
63	70.7	56.2	84.2
95	33.1	26.4	39.6



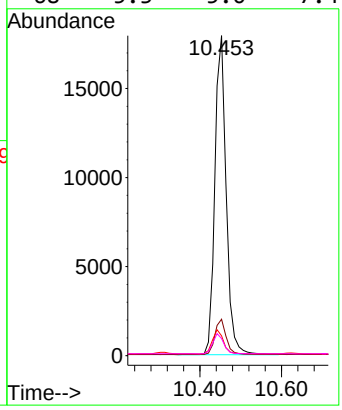


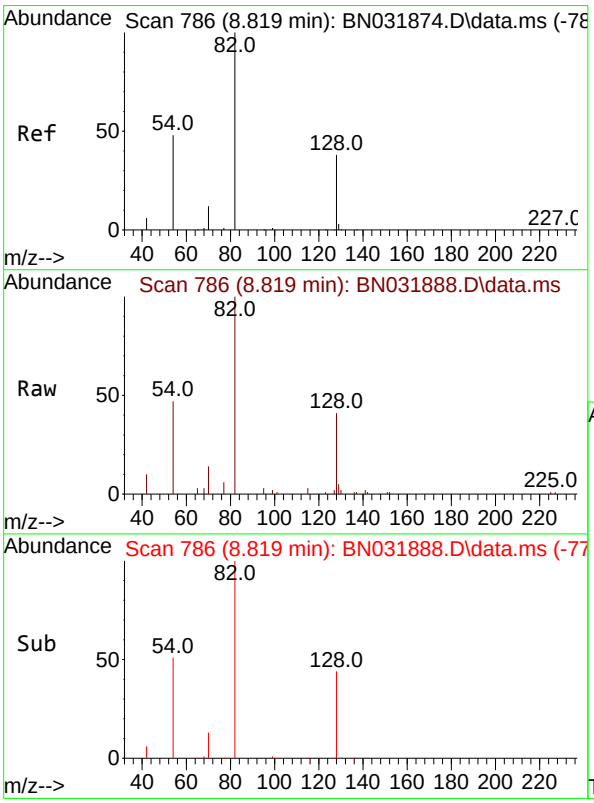
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.453 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 34338

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.2	5.6	8.4
68	5.3	5.0	7.4

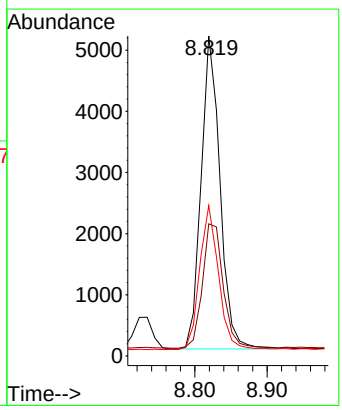


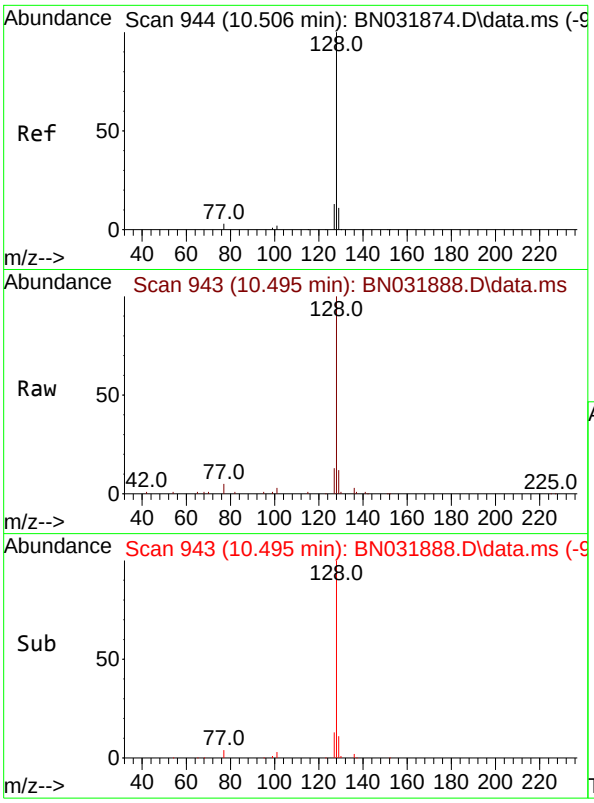


#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 8.819 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion: 82 Resp: 9331

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.1	48.1
54	47.0	39.7	59.5



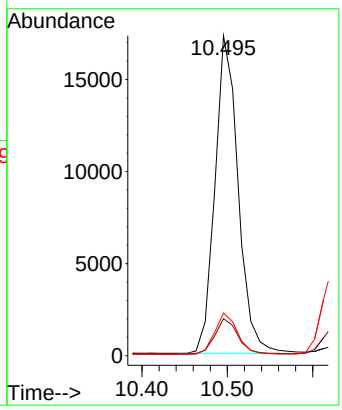


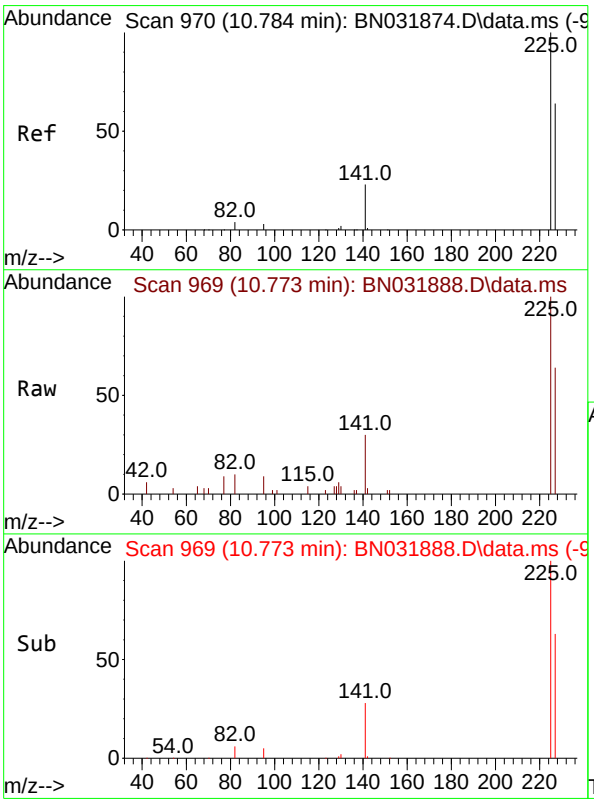
#9
Naphthalene
Concen: 0.352 ng
RT: 10.495 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 32506

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.3	10.5	15.7

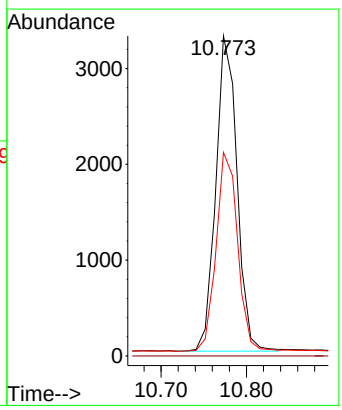


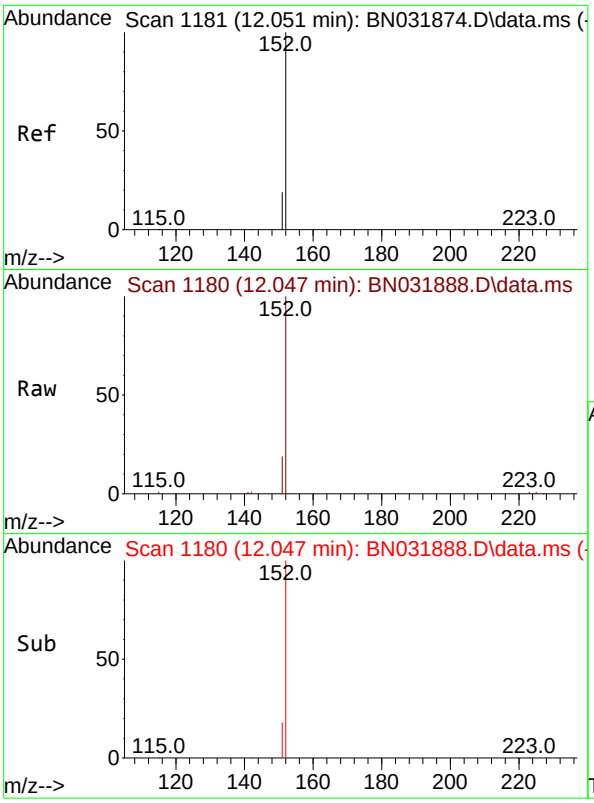


#10
Hexachlorobutadiene
Concen: 0.351 ng
RT: 10.773 min Scan# 969
Delta R.T. -0.011 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:225 Resp: 5667

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.6	75.8



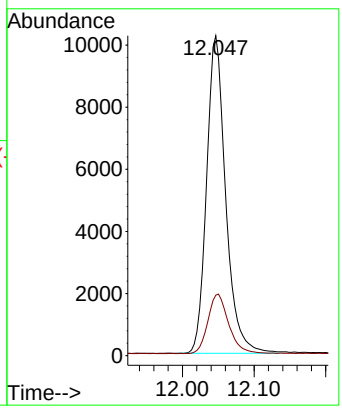


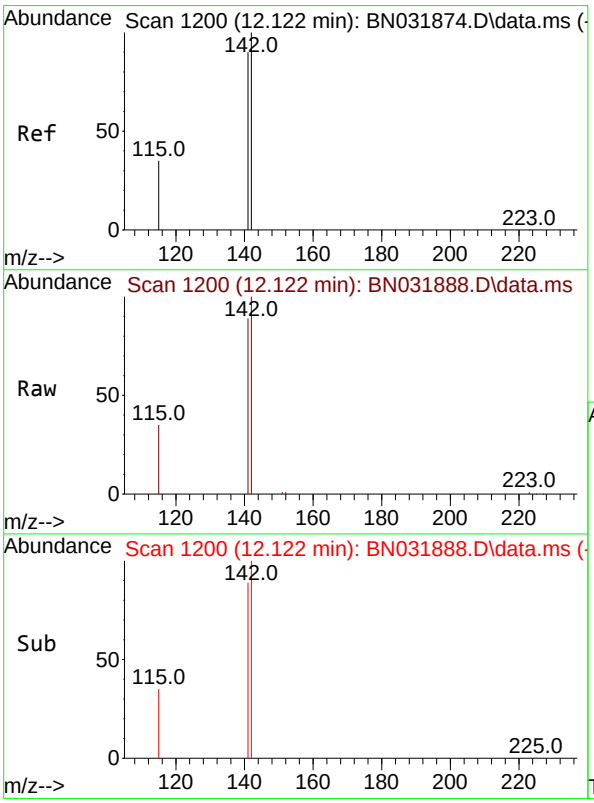
#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 12.047 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 18922

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5

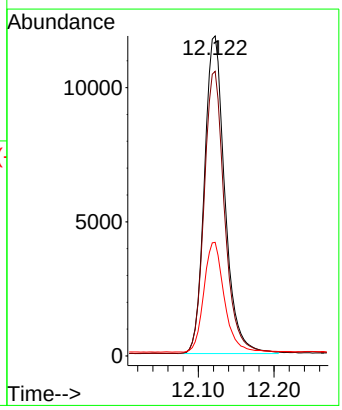


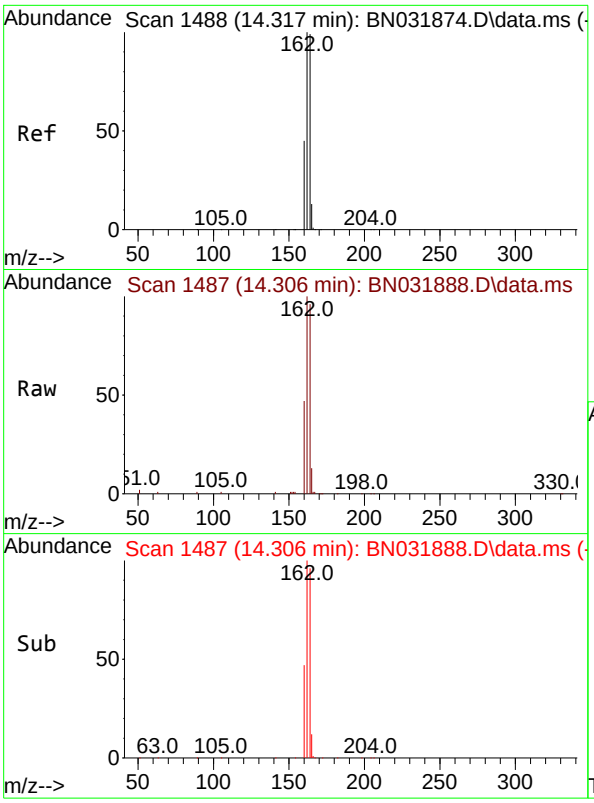


#12
2-Methylnaphthalene
Concen: 0.350 ng
RT: 12.122 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:142 Resp: 22128

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.2	108.2
115	35.5	28.6	43.0



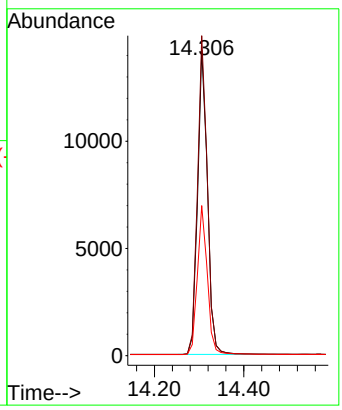


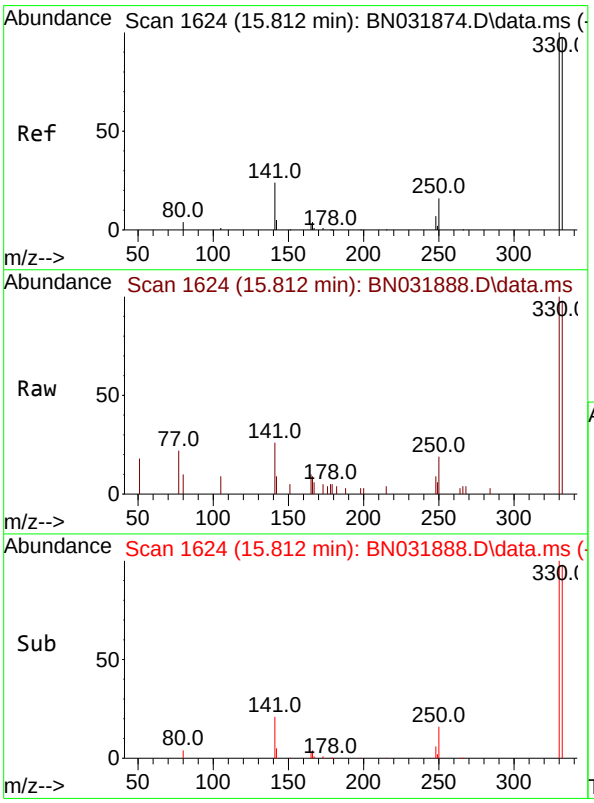
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.306 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 21821

Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.7	121.1
160	49.1	36.2	54.4

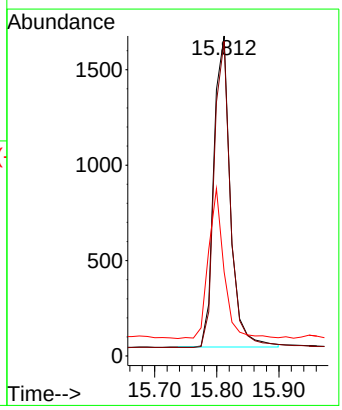


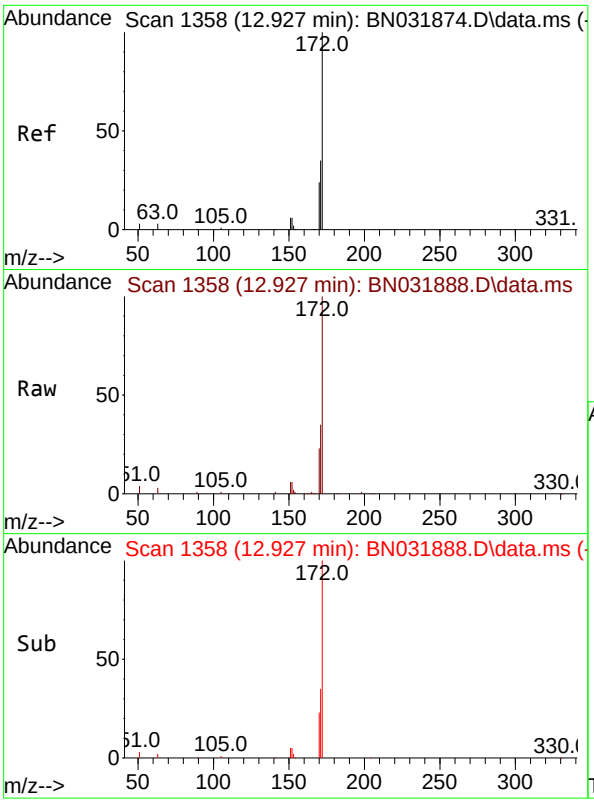


#14
2,4,6-Tribromophenol
Concen: 0.289 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:330 Resp: 3019

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.5	116.3
141	45.3	34.7	52.1



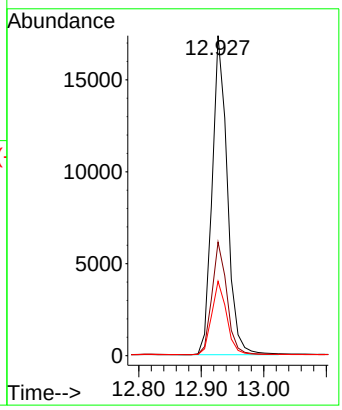


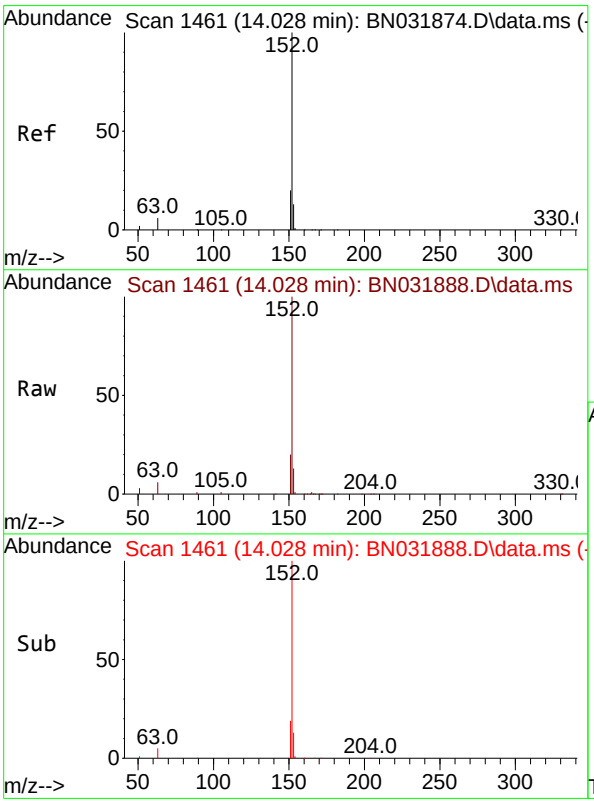
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 29227

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.3	19.2	28.8

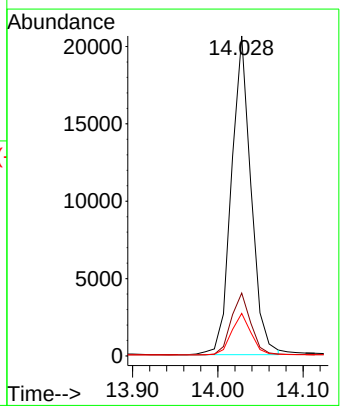


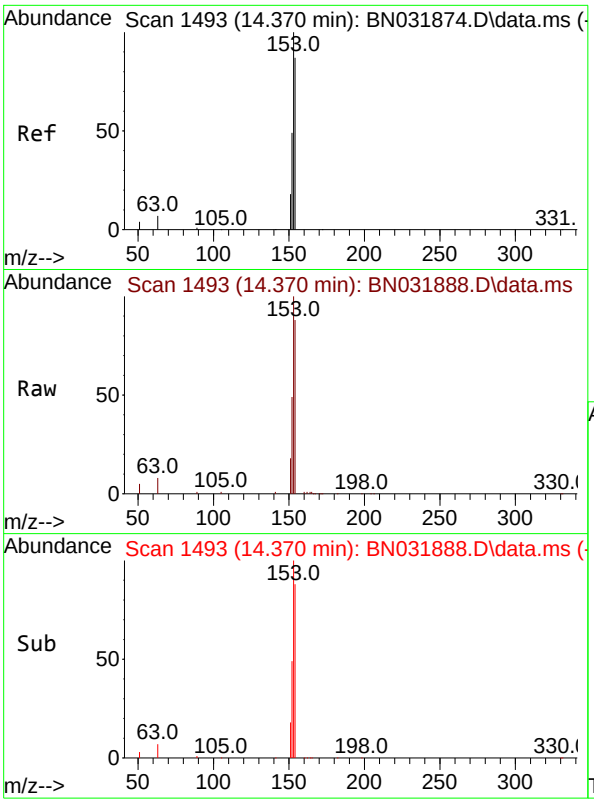


#16
Acenaphthylene
Concen: 0.327 ng
RT: 14.028 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:152 Resp: 32890

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.0	10.5	15.7



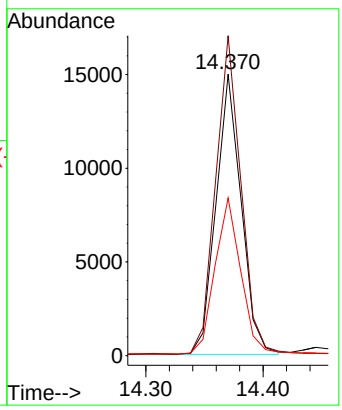


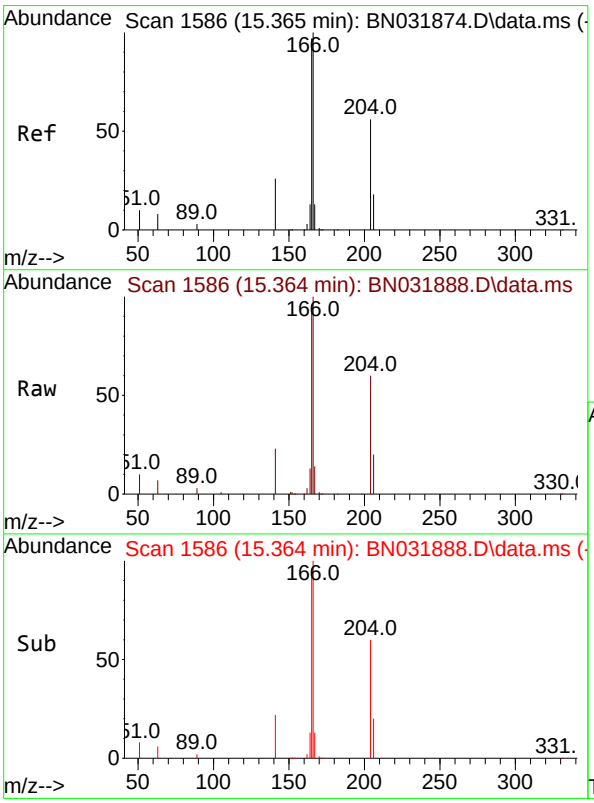
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.370 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 22277

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.8	136.2
152	56.8	44.3	66.5

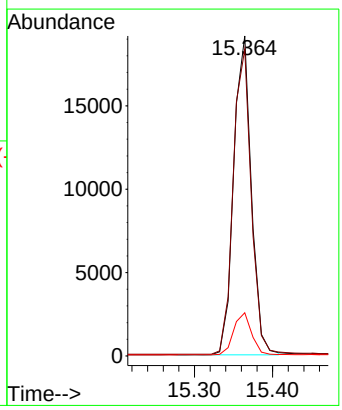


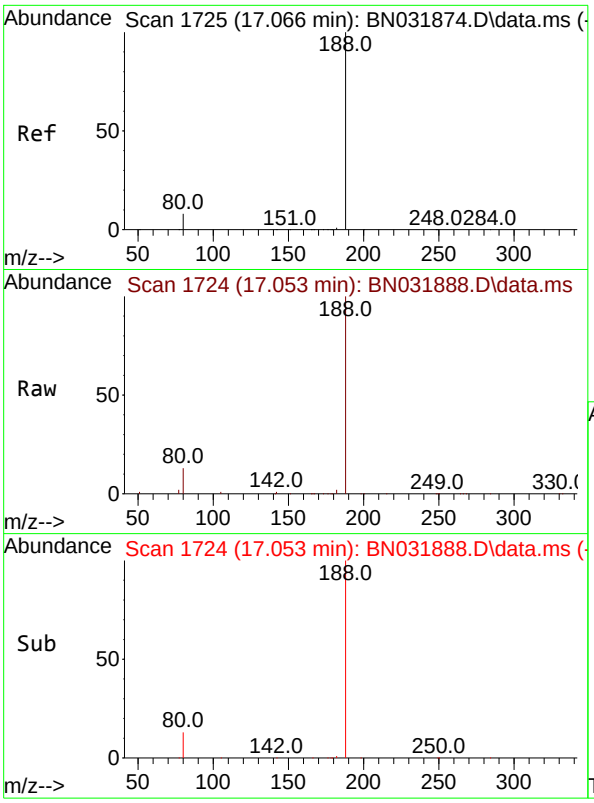


#18
Fluorene
Concen: 0.347 ng
RT: 15.364 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:166 Resp: 30032

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.3	117.5
167	13.3	10.7	16.1



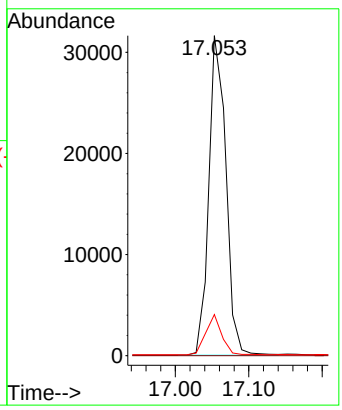


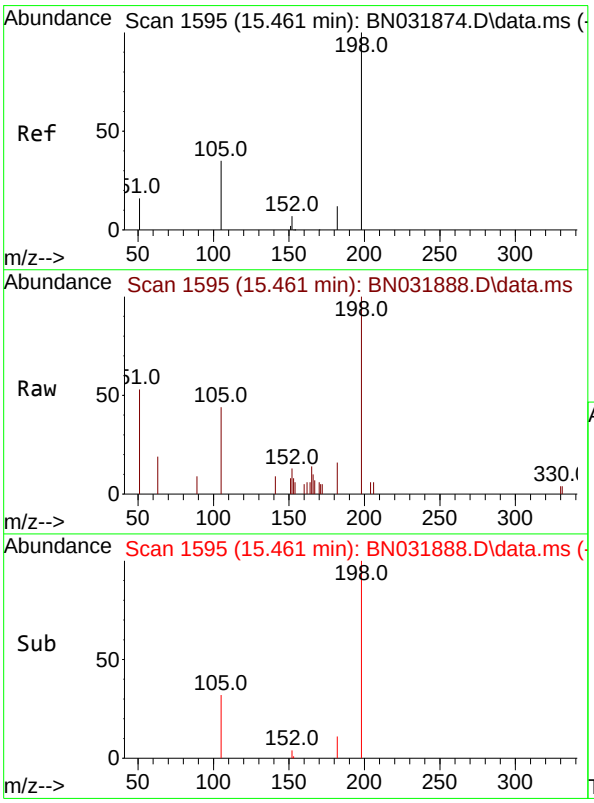
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.053 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 51067

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	6.4	9.6#

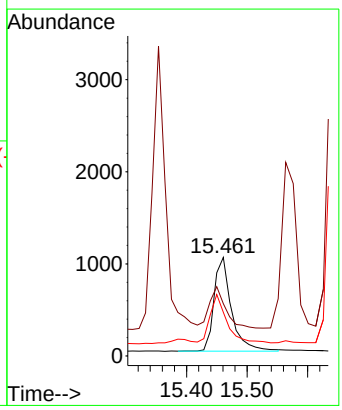


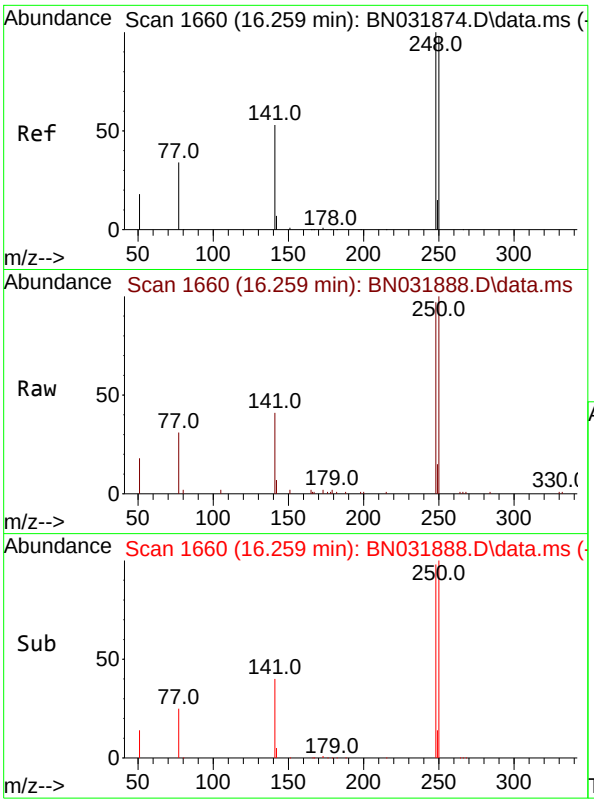


#20
4,6-Dinitro-2-methylphenol
Concen: 0.369 ng
RT: 15.461 min Scan# 1595
Delta R.T. -0.001 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:198 Resp: 2088

Ion	Ratio	Lower	Upper
198	100		
51	53.2	42.7	64.1
105	44.3	41.8	62.8



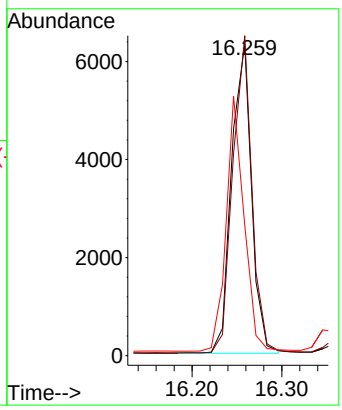


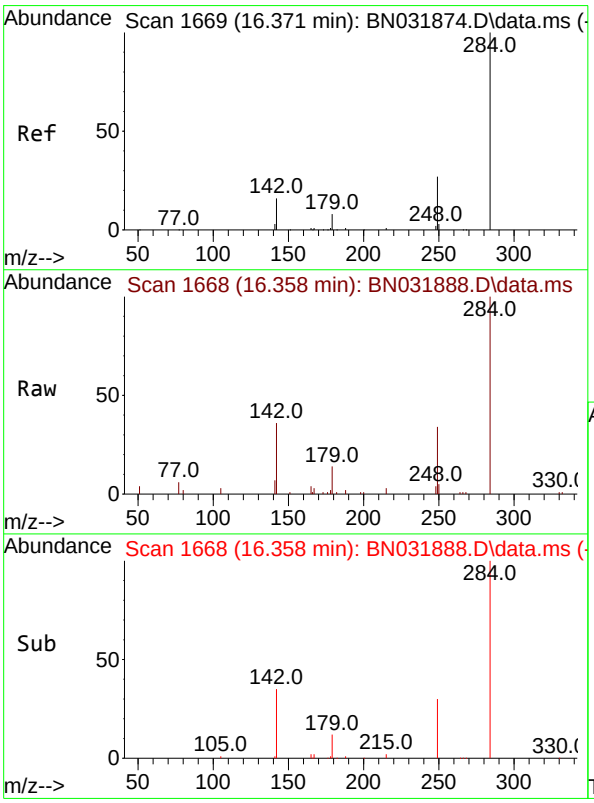
#21
4-Bromophenyl-phenylether
Concen: 0.337 ng
RT: 16.259 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 9752

Ion	Ratio	Lower	Upper
248	100		
250	102.6	78.5	117.7
141	41.7	43.1	64.7#

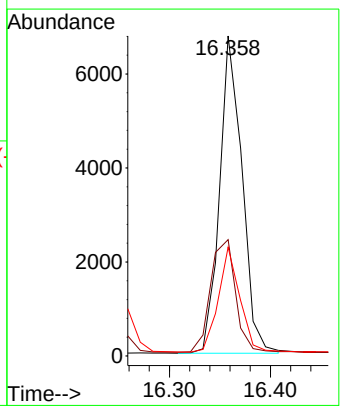


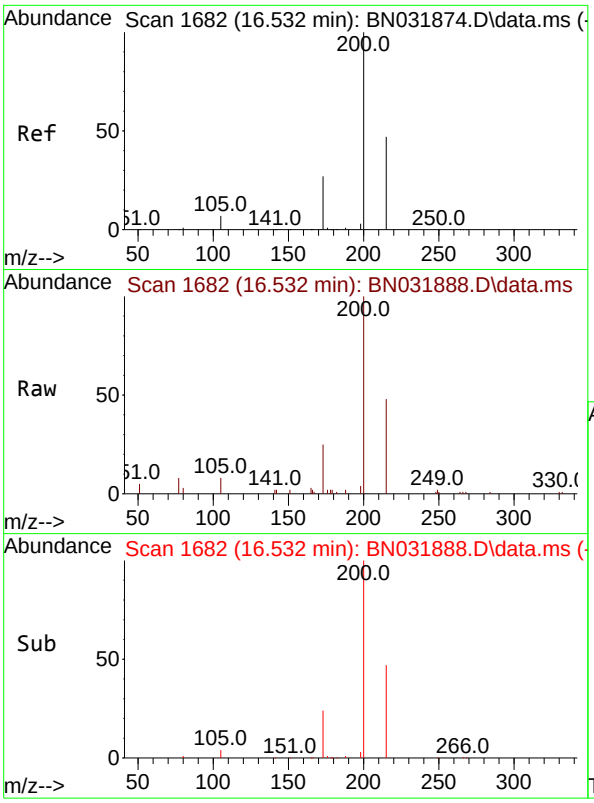


#22
Hexachlorobenzene
Concen: 0.348 ng
RT: 16.358 min Scan# 1668
Delta R.T. -0.013 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:284 Resp: 10447

Ion	Ratio	Lower	Upper
284	100		
142	39.5	30.7	46.1
249	31.3	25.0	37.4



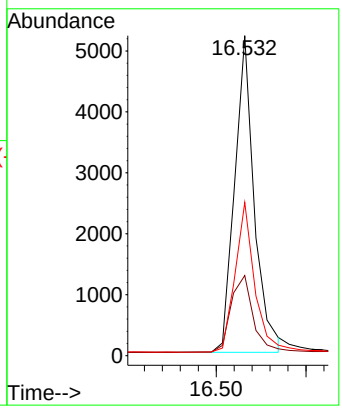


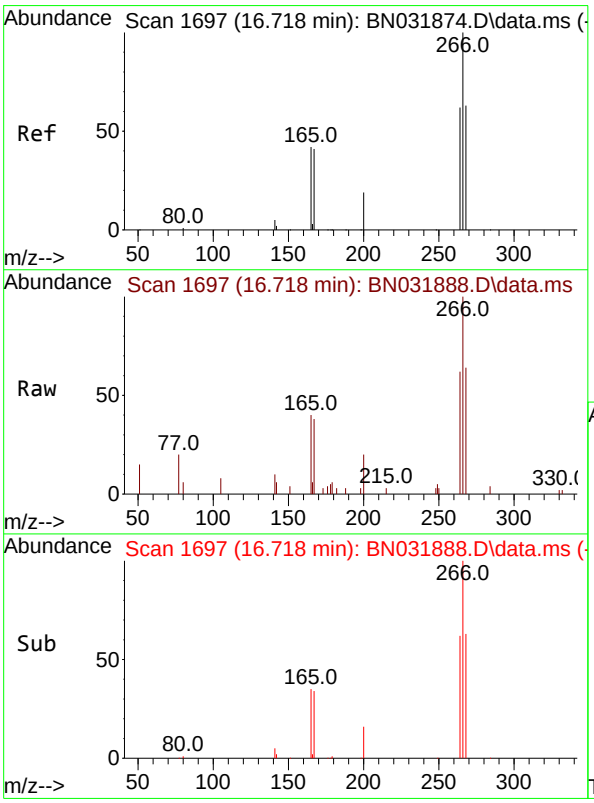
#23
Atrazine
Concen: 0.296 ng
RT: 16.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 7846

Ion	Ratio	Lower	Upper
200	100		
173	25.1	22.0	33.0
215	47.9	37.9	56.9

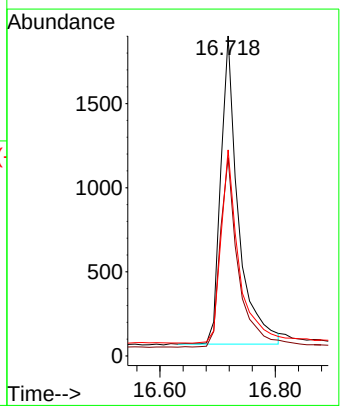


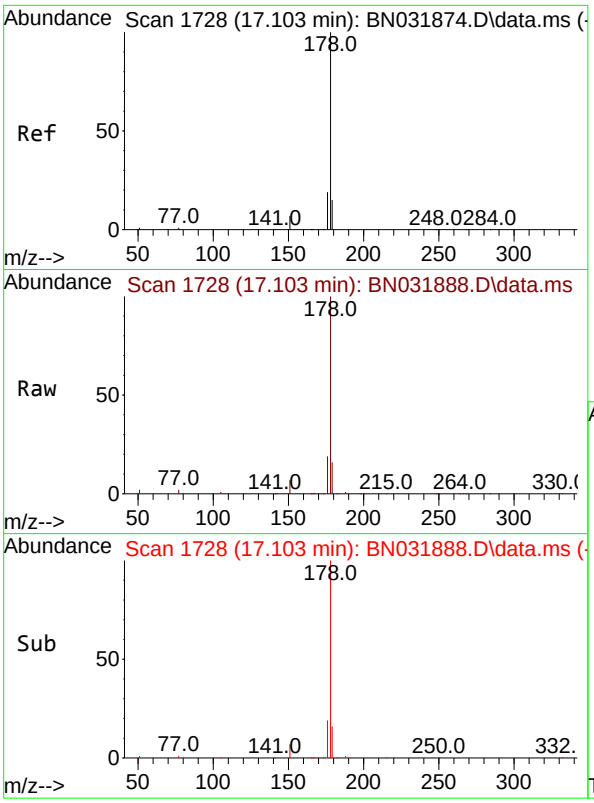


#24
Pentachlorophenol
Concen: 0.373 ng
RT: 16.718 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:266 Resp: 3861

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.0	75.0
268	63.5	51.0	76.6



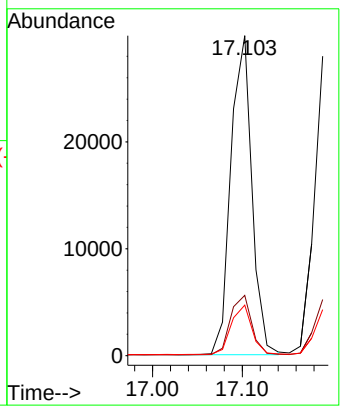


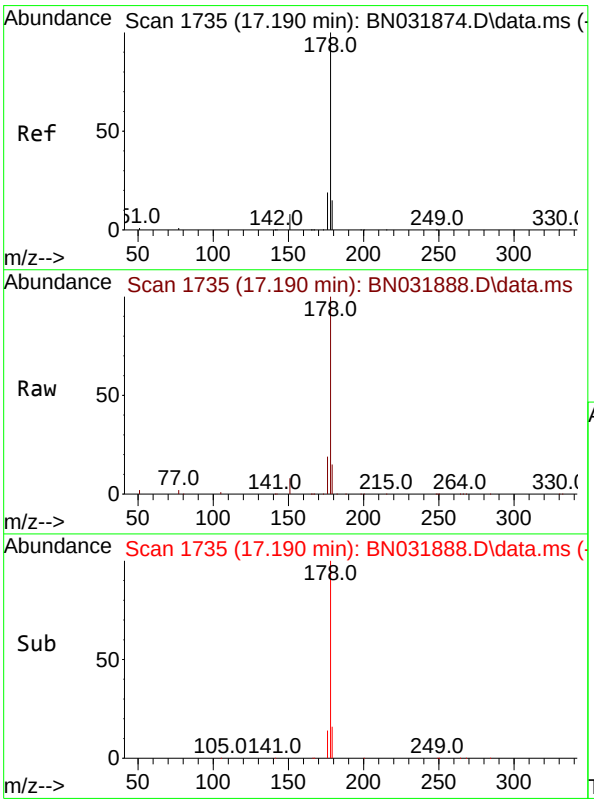
#25
Phenanthrene
Concen: 0.342 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 48461

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.2	18.2

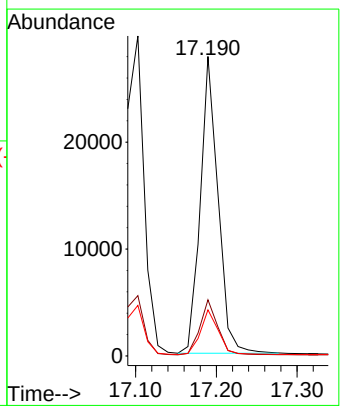


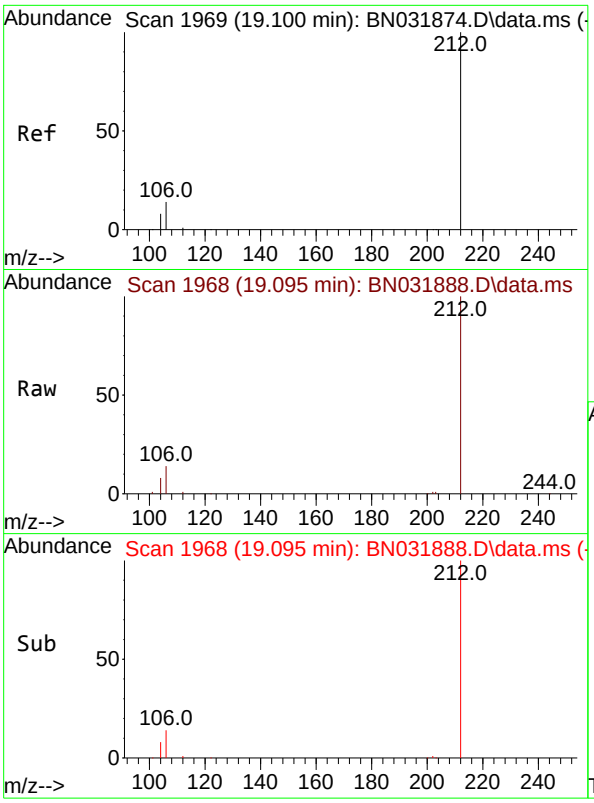


#26
Anthracene
Concen: 0.323 ng
RT: 17.190 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:178 Resp: 42470

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.3	12.2	18.2



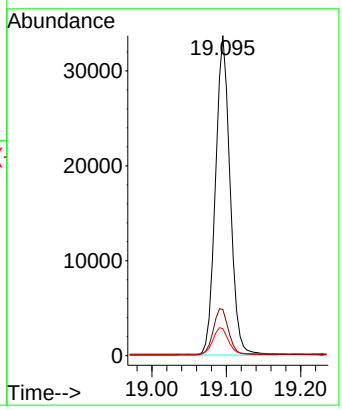


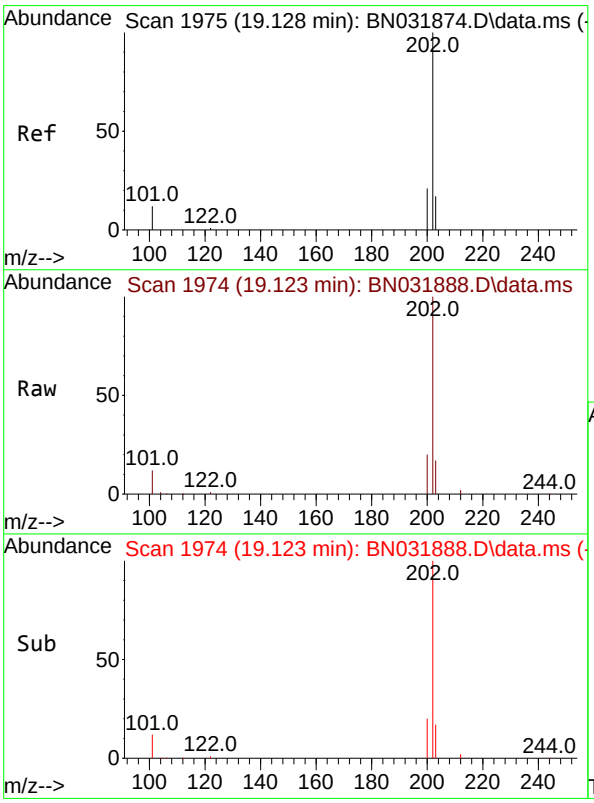
#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.095 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 46027

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.8	17.8
104	8.6	6.6	10.0

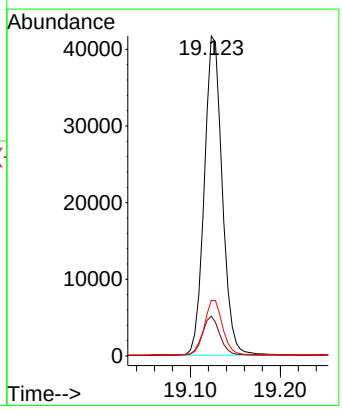


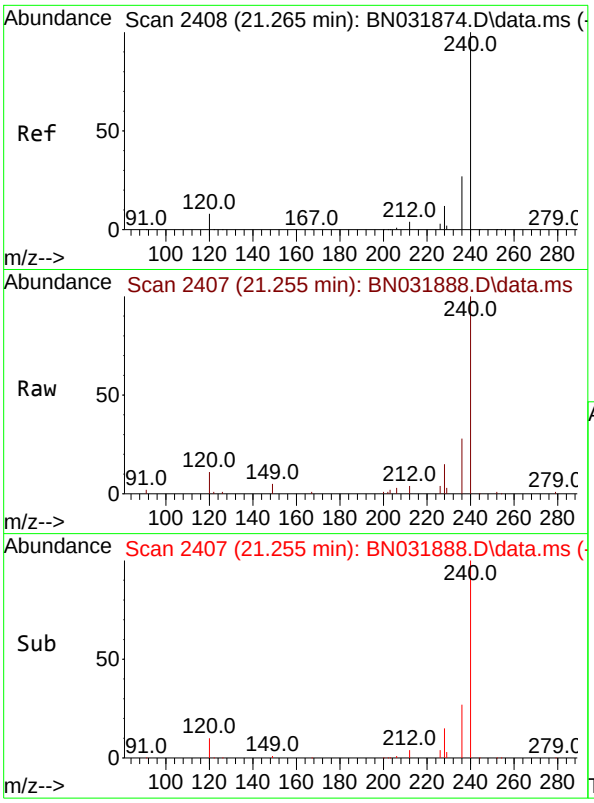


#28
Fluoranthene
Concen: 0.336 ng
RT: 19.123 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:202 Resp: 57811

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.6
203	17.1	13.7	20.5



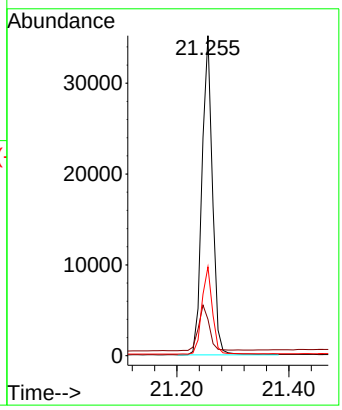


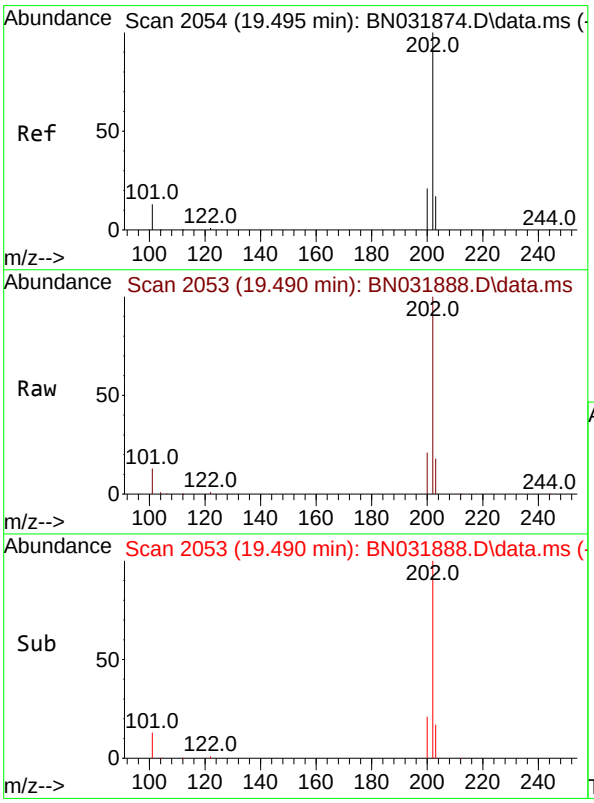
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.255 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 45654

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.2	12.4
236	27.8	21.8	32.8

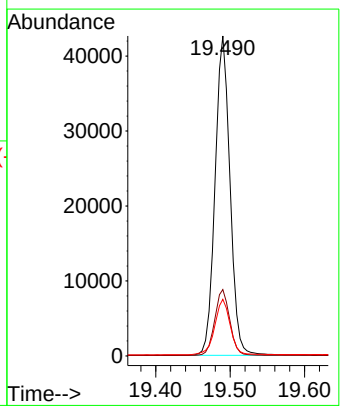


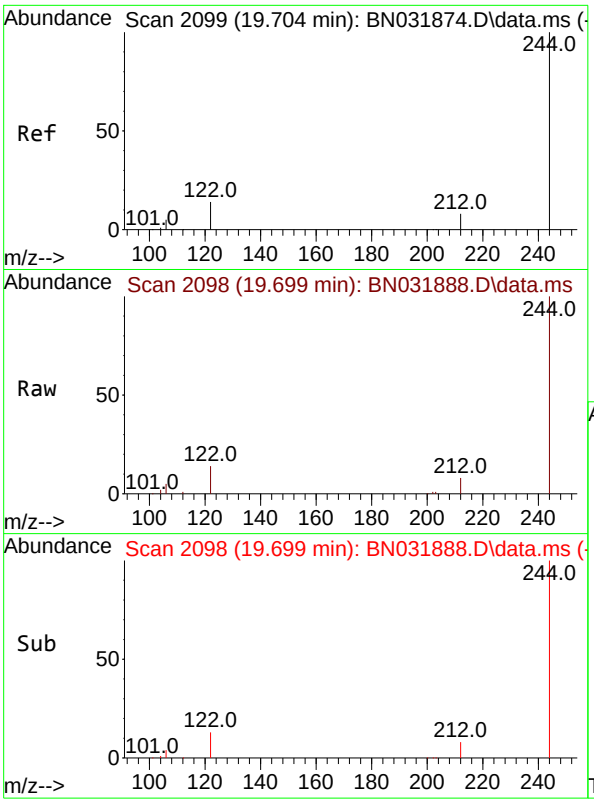


#30
Pyrene
Concen: 0.328 ng
RT: 19.490 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:202 Resp: 59483

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.9	14.3	21.5



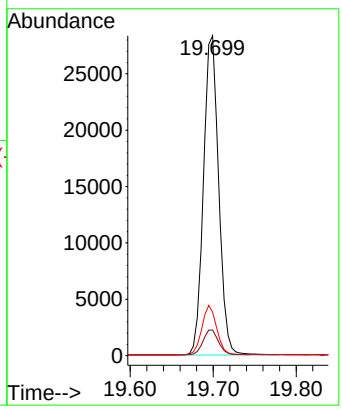


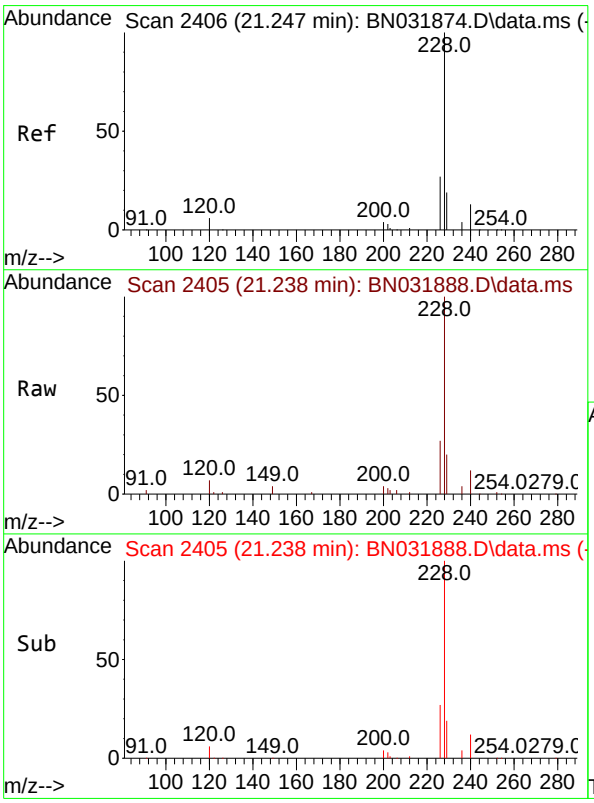
#31
Terphenyl-d14
Concen: 0.324 ng
RT: 19.699 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 36152

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	13.7	11.4	17.0

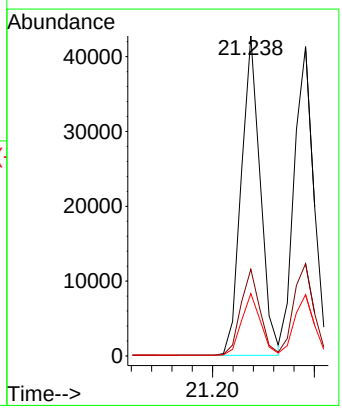


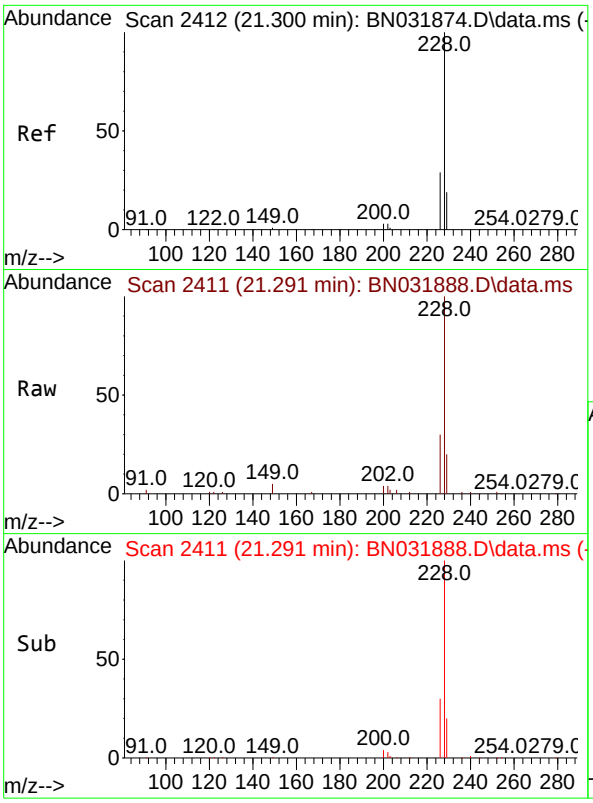


#32
Benzo(a)anthracene
Concen: 0.322 ng
RT: 21.238 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:228 Resp: 55305

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	19.5	15.8	23.8



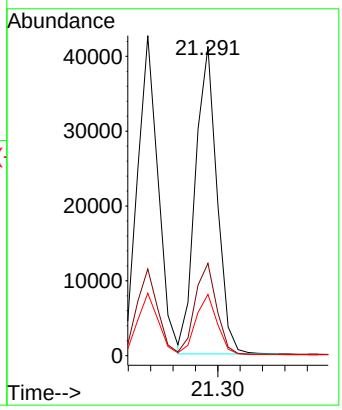


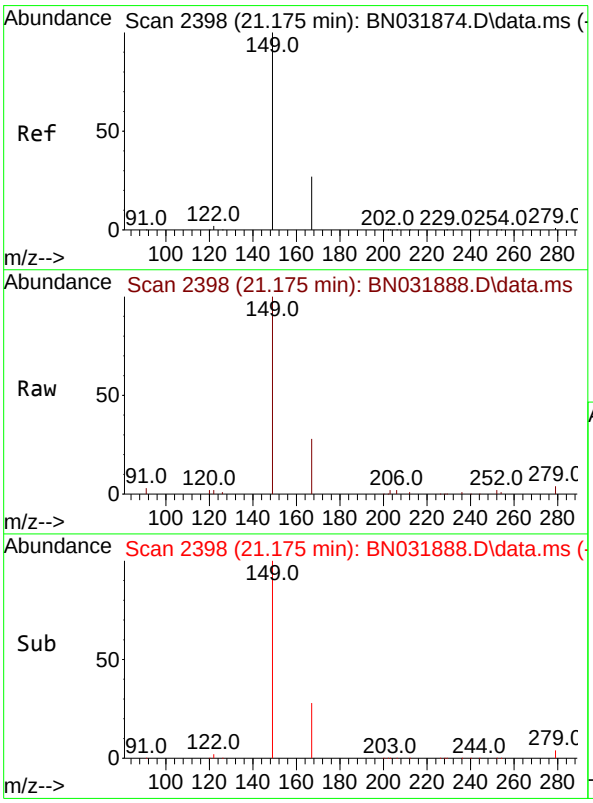
#33
Chrysene
Concen: 0.337 ng
RT: 21.291 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 54834

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.6	35.4
229	19.8	15.8	23.6

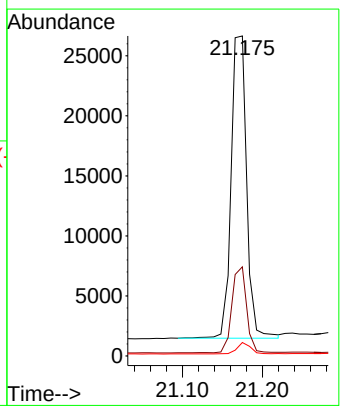


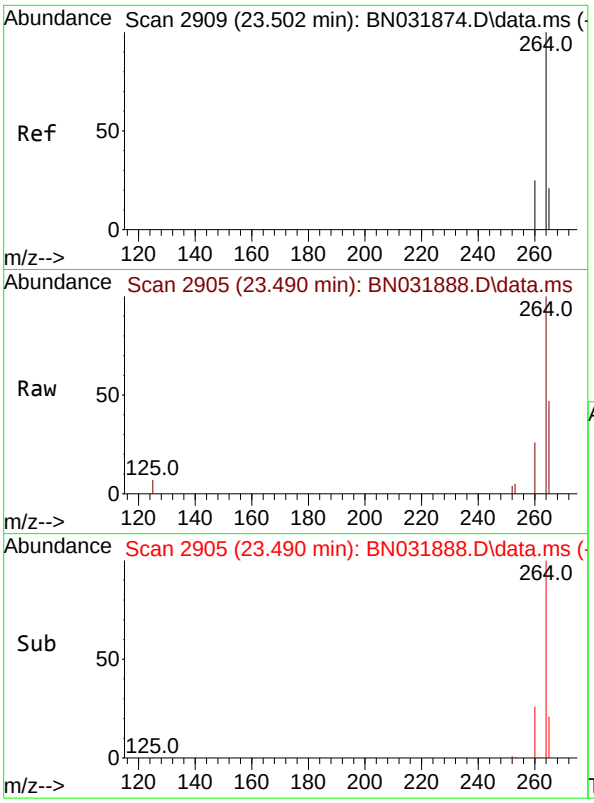


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.288 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:149 Resp: 33860

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.5	33.7
279	3.4	2.9	4.3



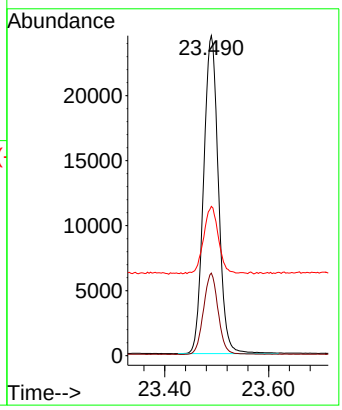


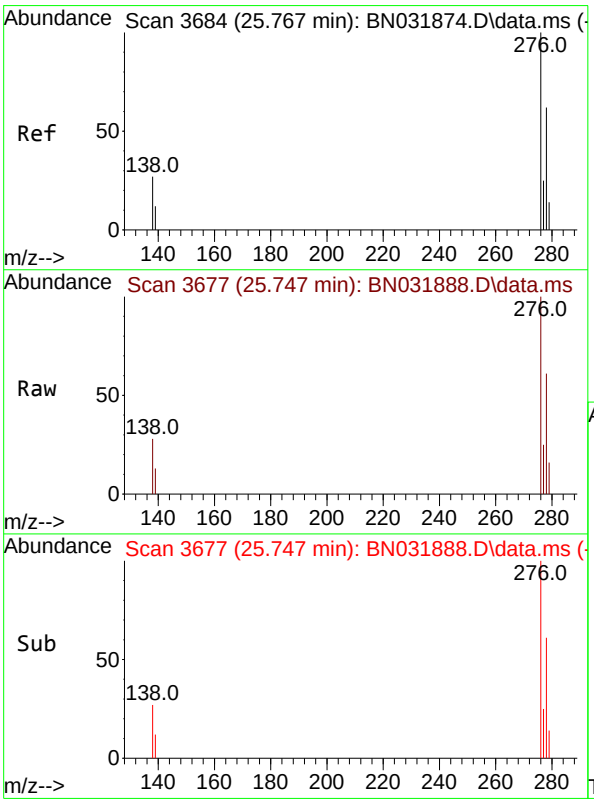
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.490 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 48388

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	46.6	39.6	59.4

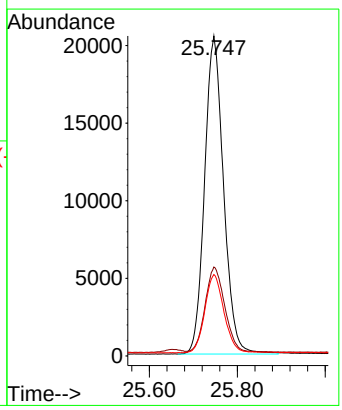


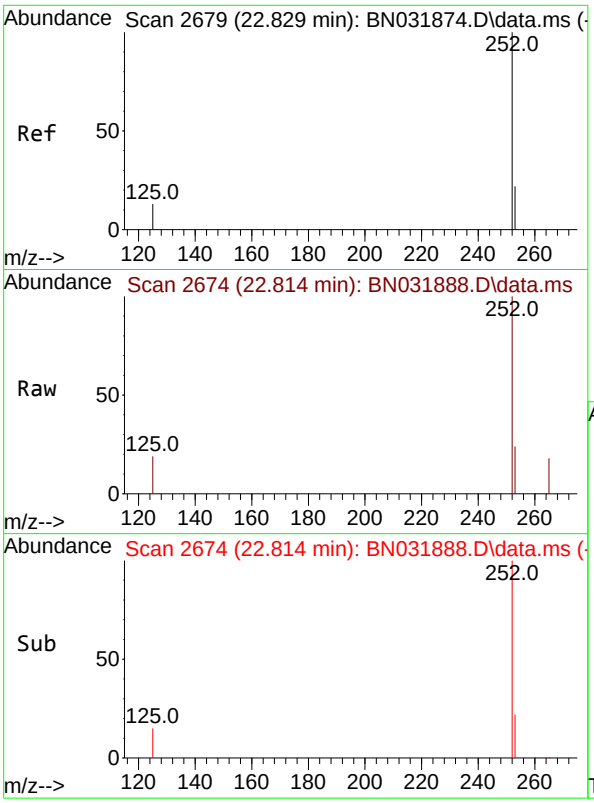


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.341 ng
RT: 25.747 min Scan# 3677
Delta R.T. -0.021 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:276 Resp: 61567

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.5	32.3
277	24.7	19.8	29.8



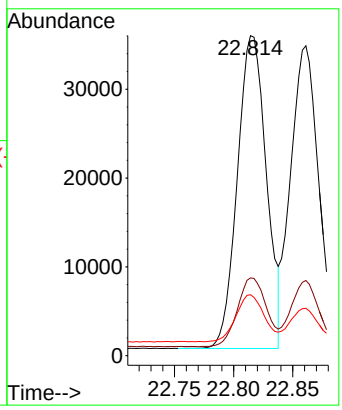


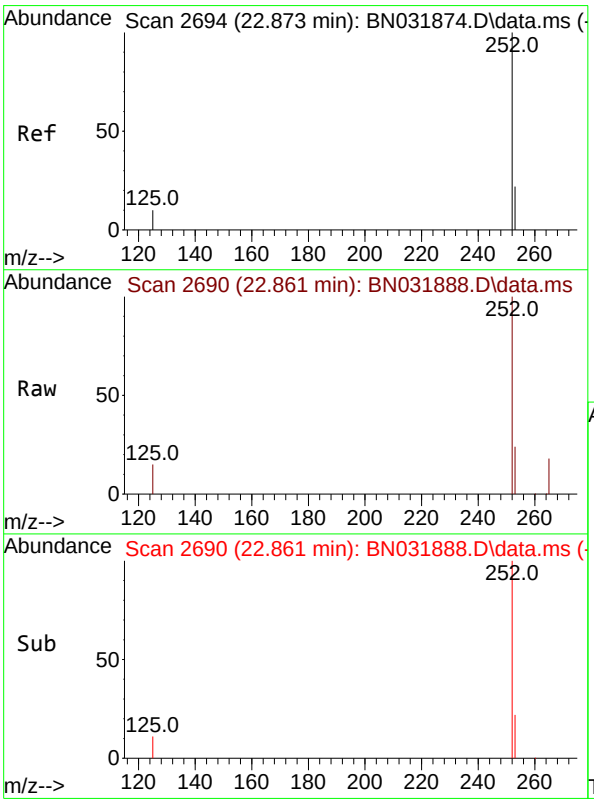
#37
Benzo(b)fluoranthene
Concen: 0.341 ng
RT: 22.814 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 60103

Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.2	30.2
125	19.0	14.2	21.4

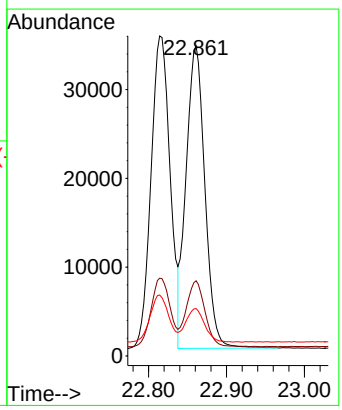


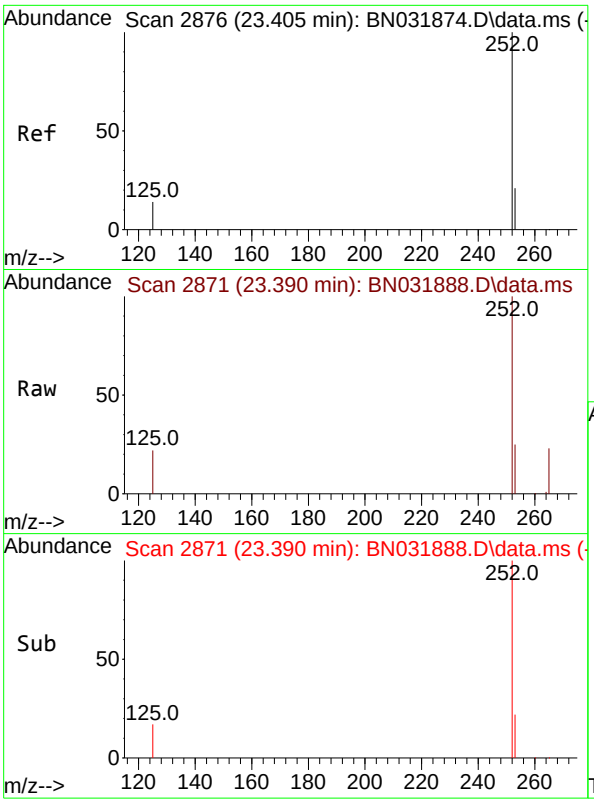


#38
Benzo(k)fluoranthene
Concen: 0.343 ng
RT: 22.861 min Scan# 2690
Delta R.T. -0.012 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:252 Resp: 57151

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.9	29.9
125	15.3	13.0	19.4



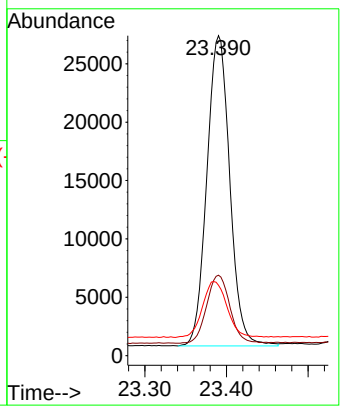


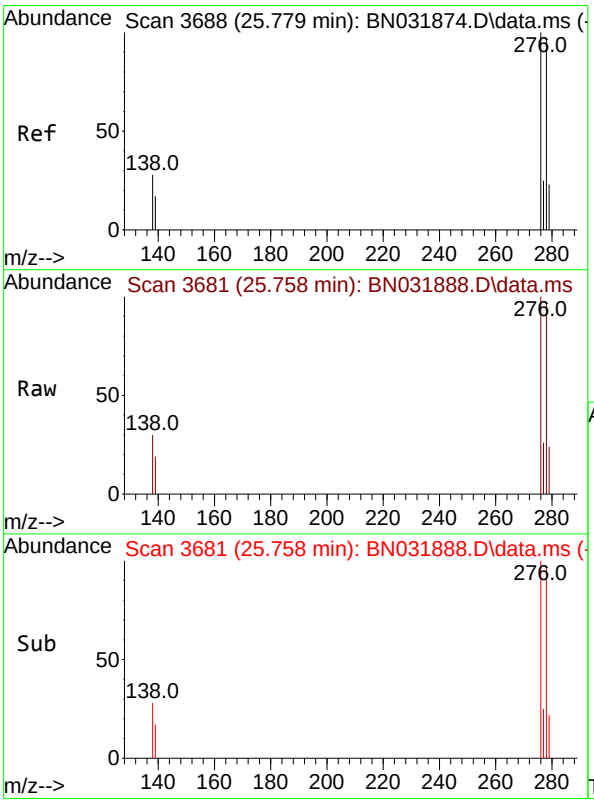
#39
Benzo(a)pyrene
Concen: 0.341 ng
RT: 23.390 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 51857

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.5	30.7
125	22.0	16.4	24.6

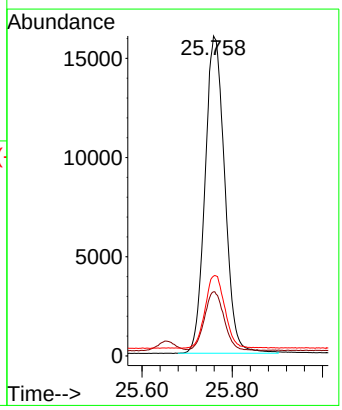


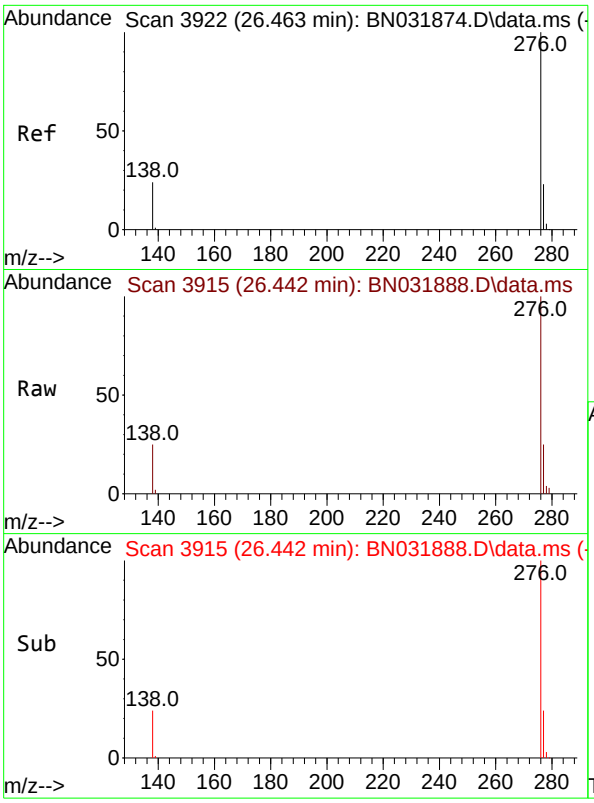


#40
Dibenzo(a,h)anthracene
Concen: 0.341 ng
RT: 25.758 min Scan# 3681
Delta R.T. -0.021 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Tgt Ion:278 Resp: 48433

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.0	25.4
279	25.0	21.4	32.0





#41
Benzo(g,h,i)perylene
Concen: 0.338 ng
RT: 26.442 min Scan# 3
Delta R.T. -0.021 min
Lab File: BN031888.D
Acq: 10 Jun 2024 22:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 51717

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.2	30.2
138	25.0	20.6	31.0