Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031669.D
Acq On : 28 May 2024 11:04
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 28 12:44:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.689	152	15738	0.400	ng		-0.03
7) Naphthalene-d8	10.474	136	50978	0.400	ng		#-0.02
13) Acenaphthene-d10	14.328	164	26252	0.400	ng		-0.02
19) Phenanthrene-d10	17.066	188	46534	0.400	ng		-0.02
29) Chrysene-d12	21.256	240	31109	0.400	ng		-0.02
35) Perylene-d12	23.496	264	33870	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.284	112	14866	0.333	ng		-0.01
5) Phenol-d6	6.852	99	19493	0.324	ng		-0.02
8) Nitrobenzene-d5	8.841	82	15942	0.436	ng		-0.02
11) 2-Methylnaphthalene-d10	12.062	152	30925	0.376	ng		-0.03
14) 2,4,6-Tribromophenol	15.812	330	2486	0.250	ng		-0.02
15) 2-Fluorobiphenyl	12.949	172	43065	0.425	ng		-0.03
27) Fluoranthene-d10	19.100	212	41523	0.322	ng		-0.02
31) Terphenyl-d14	19.704	244	28518	0.375	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	6872	0.355	ng	#	84
3) n-Nitrosodimethylamine	3.544	42	6448	0.337	ng		98
6) bis(2-Chloroethyl)ether	7.119	93	17657	0.337	ng		97
9) Naphthalene	10.517	128	48312	0.341	ng		96
10) Hexachlorobutadiene	10.805	225	7875	0.317	ng	#	100
12) 2-Methylnaphthalene	12.138	142	30431	0.315	ng		98
16) Acenaphthylene	14.039	152	40382	0.306	ng		100
17) Acenaphthene	14.381	154	27008	0.328	ng		97
18) Fluorene	15.375	166	32088	0.298	ng		100
20) 4,6-Dinitro-2-methylph...	15.450	198	1318	0.347	ng	#	48
21) 4-Bromophenyl-phenylether	16.271	248	9377	0.344	ng	#	92
22) Hexachlorobenzene	16.371	284	9801	0.357	ng		96
23) Atrazine	16.545	200	6373	0.258	ng		97
24) Pentachlorophenol	16.718	266	2868	0.295	ng		98
25) Phenanthrene	17.103	178	44199	0.339	ng		100
26) Anthracene	17.202	178	37696	0.292	ng		100
28) Fluoranthene	19.133	202	43408	0.274	ng		99
30) Pyrene	19.495	202	43938	0.349	ng		100
32) Benzo(a)anthracene	21.247	228	37900	0.316	ng		98
33) Chrysene	21.292	228	37529	0.328	ng		99
34) Bis(2-ethylhexyl)phtha...	21.184	149	15954	0.227	ng		99
36) Indeno(1,2,3-cd)pyrene	25.753	276	46501	0.344	ng		99
37) Benzo(b)fluoranthene	22.823	252	40519	0.333	ng	#	95
38) Benzo(k)fluoranthene	22.867	252	40075	0.348	ng		96
39) Benzo(a)pyrene	23.396	252	35350	0.334	ng	#	92
40) Dibenzo(a,h)anthracene	25.770	278	36415	0.340	ng		99
41) Benzo(g,h,i)perylene	26.443	276	39741	0.345	ng		99

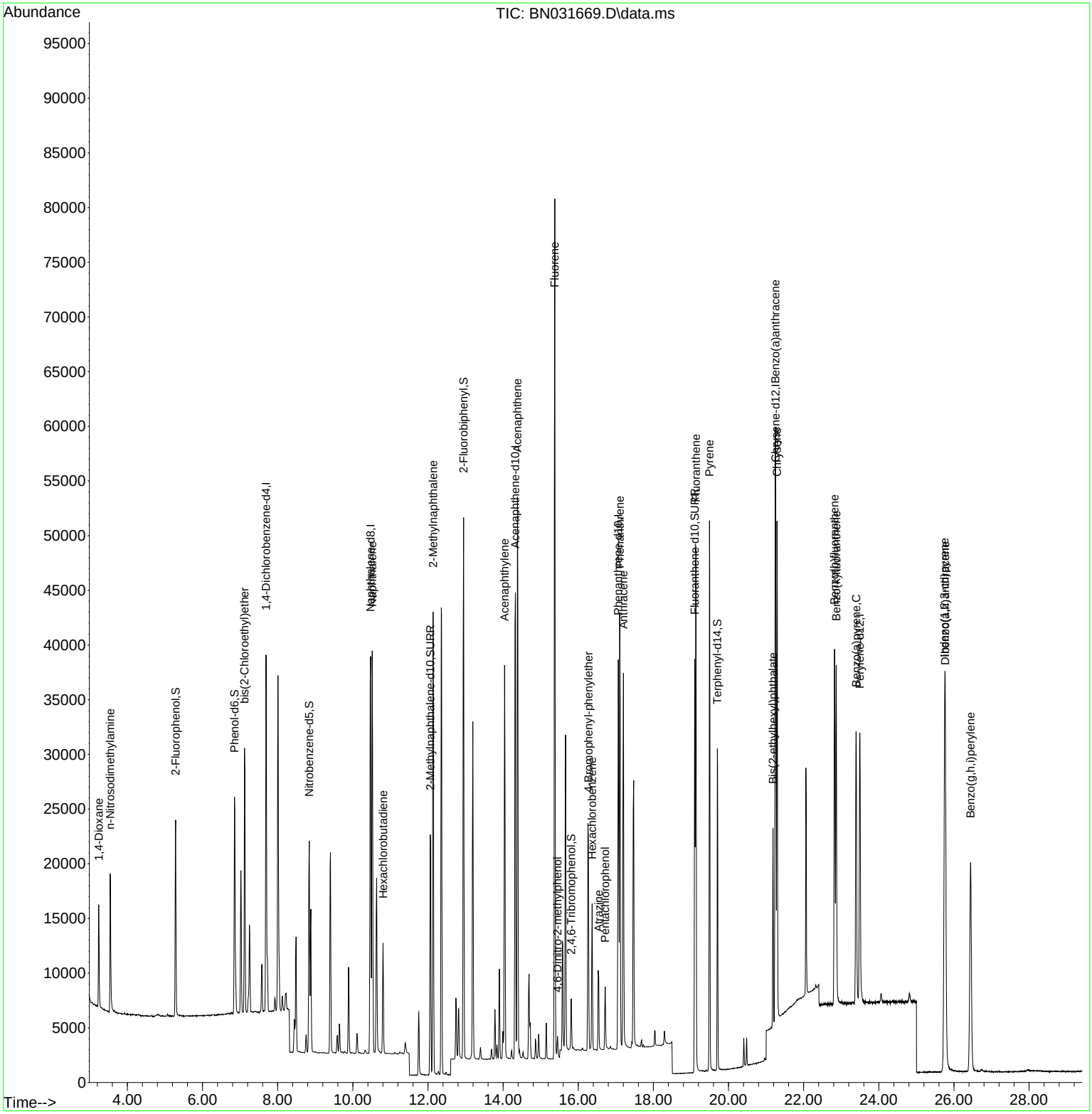
(#) = qualifier out of range (m) = manual integration (+) = signals summed

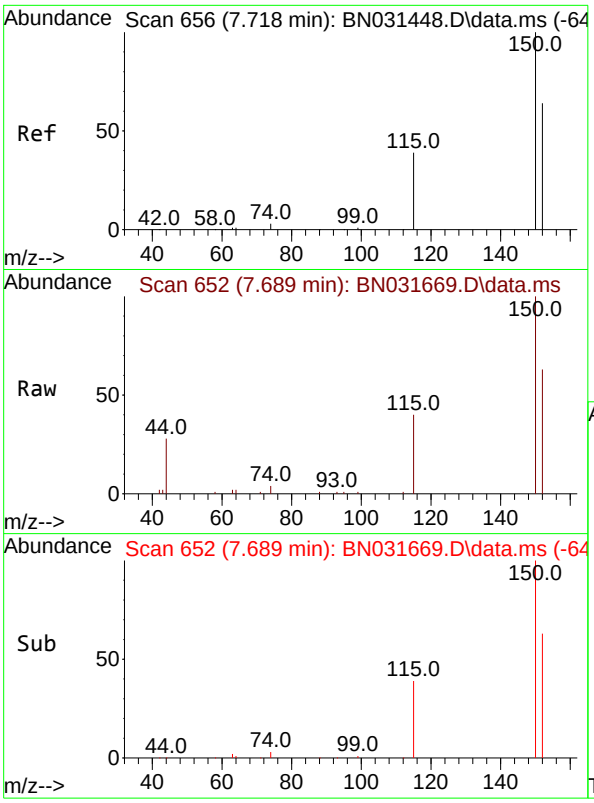
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031669.D
Acq On : 28 May 2024 11:04
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 28 12:44:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration



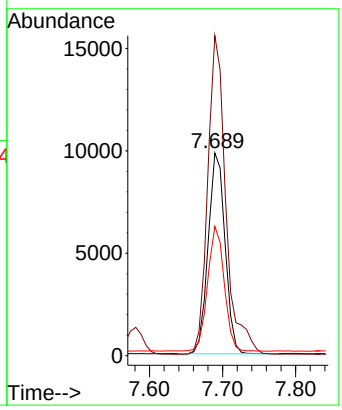


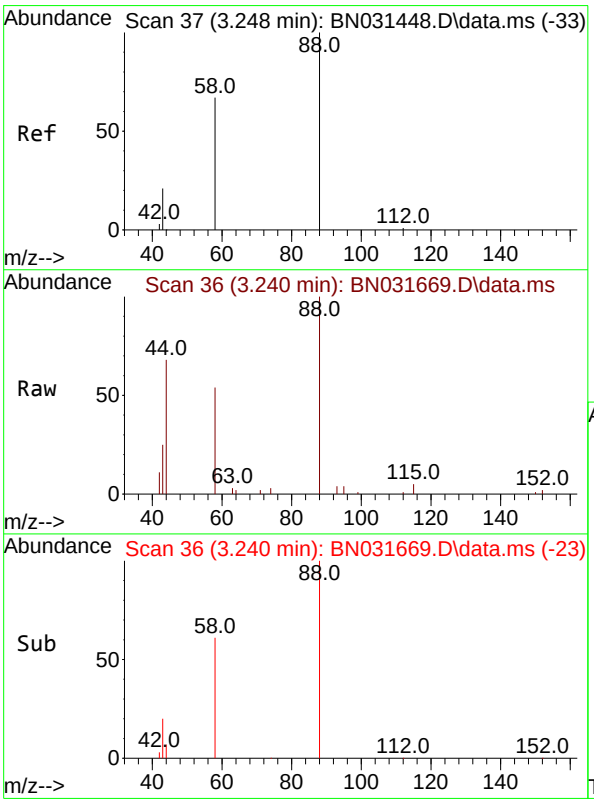
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 15738

Ion	Ratio	Lower	Upper
152	100		
150	157.9	119.3	178.9
115	63.8	54.8	82.2

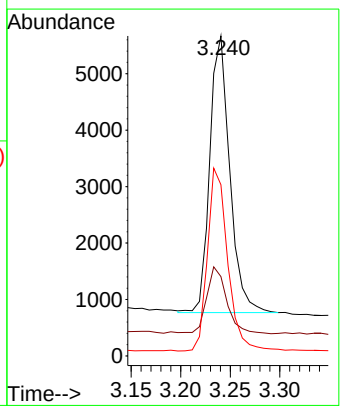


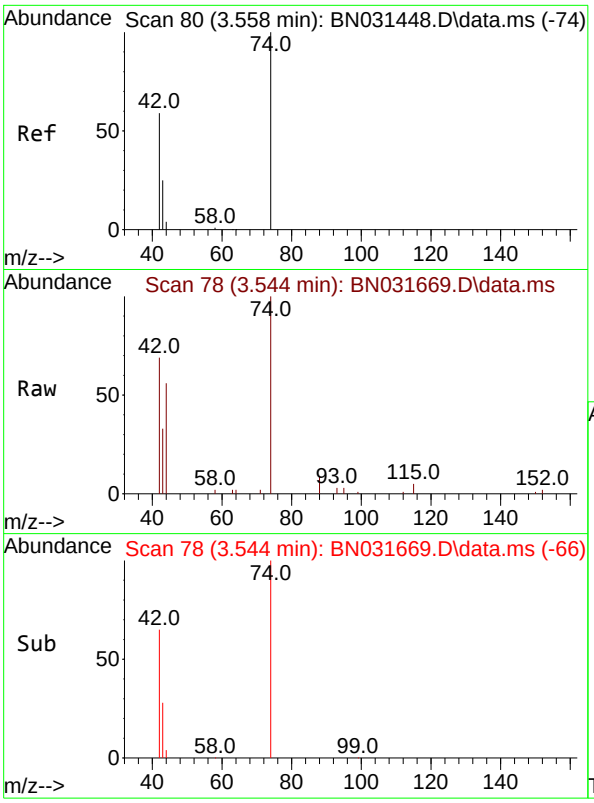


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.240 min Scan# 36
Delta R.T. -0.007 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion: 88 Resp: 6872

Ion	Ratio	Lower	Upper
88	100		
43	24.2	39.0	58.6#
58	66.8	54.9	82.3



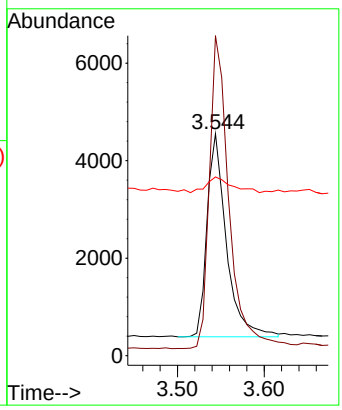


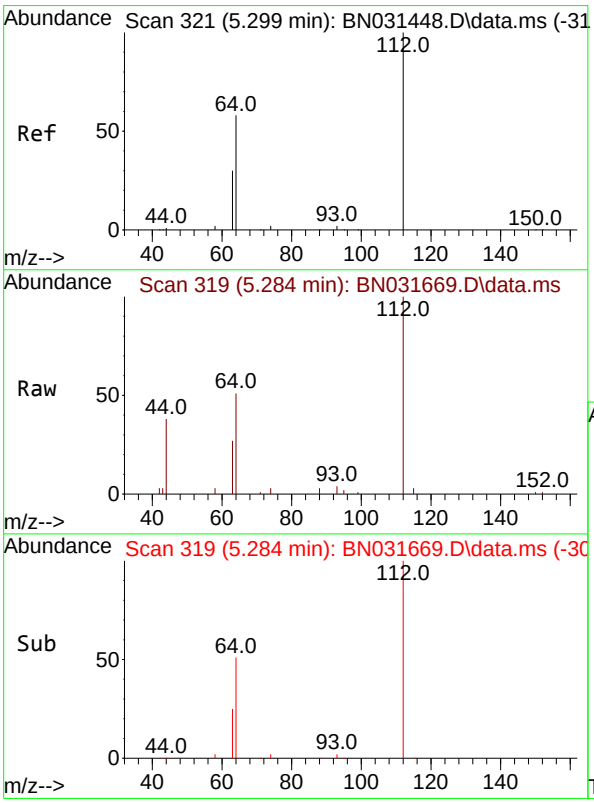
#3
n-Nitrosodimethylamine
Concen: 0.337 ng
RT: 3.544 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 6448

Ion	Ratio	Lower	Upper
42	100		
74	155.2	126.4	189.6
44	10.2	6.9	10.3

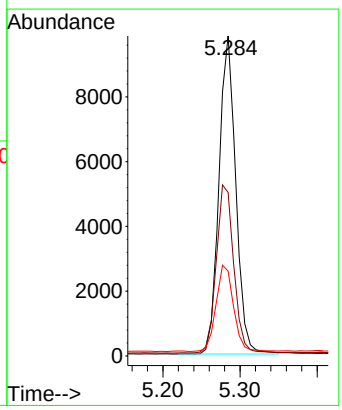


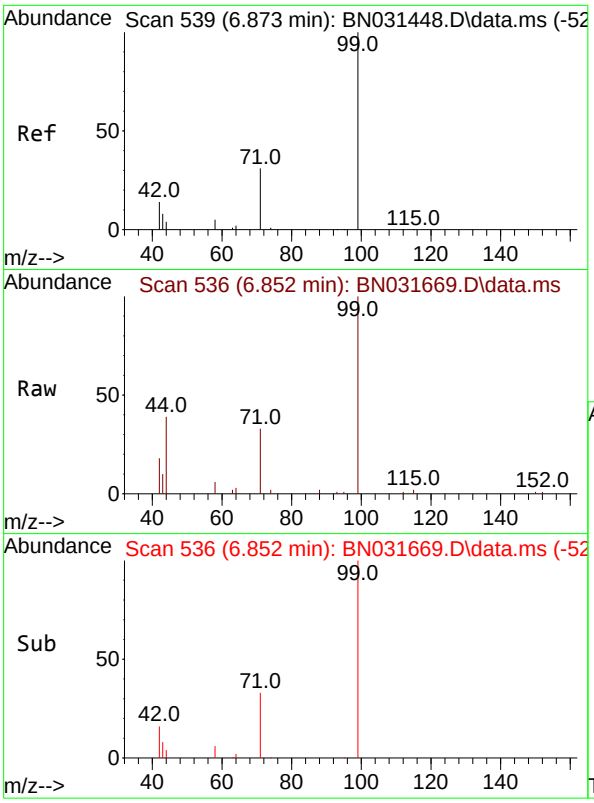


#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.284 min Scan# 319
Delta R.T. -0.015 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:112 Resp: 14866

Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.0	66.0
63	28.2	22.2	33.4



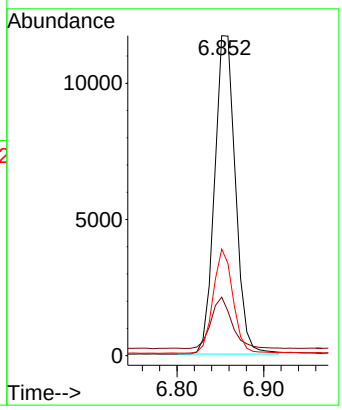


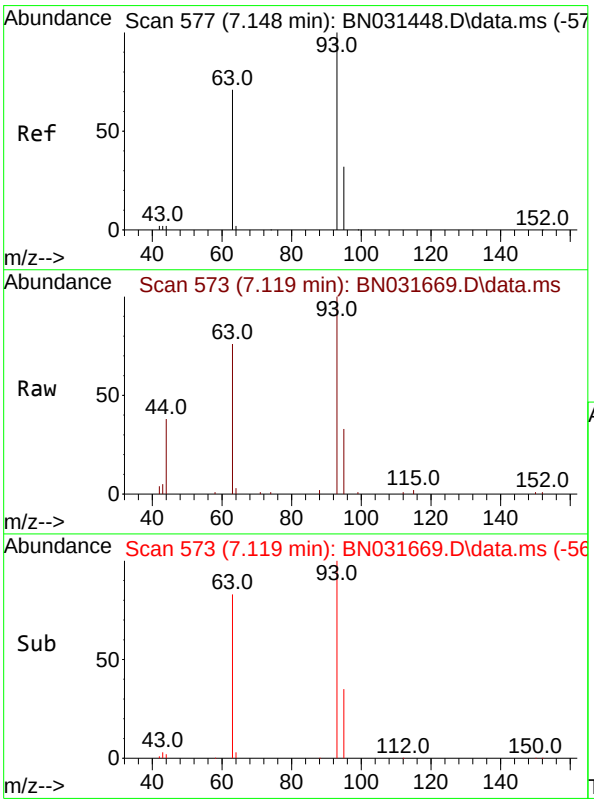
#5
Phenol-d6
Concen: 0.324 ng
RT: 6.852 min Scan# 5
Delta R.T. -0.022 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 19493

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	31.1	26.1	39.1

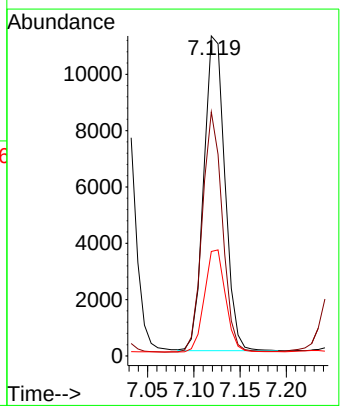


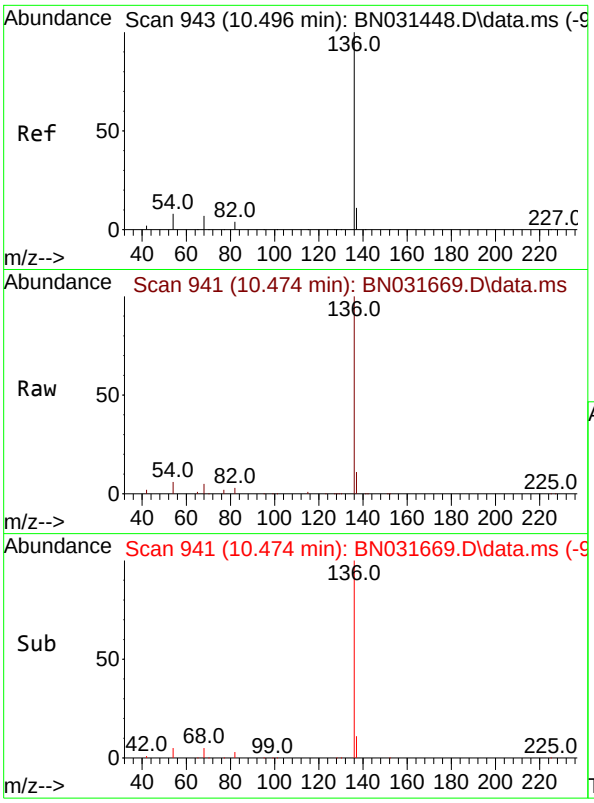


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 7.119 min Scan# 573
Delta R.T. -0.029 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion: 93 Resp: 17657

Ion	Ratio	Lower	Upper
93	100		
63	72.8	56.6	85.0
95	32.5	27.3	40.9



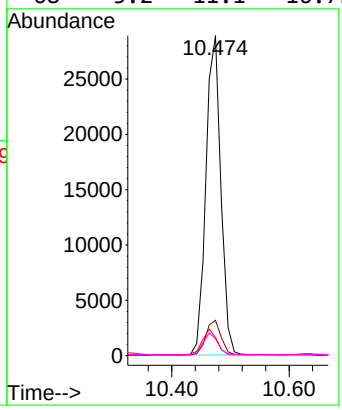


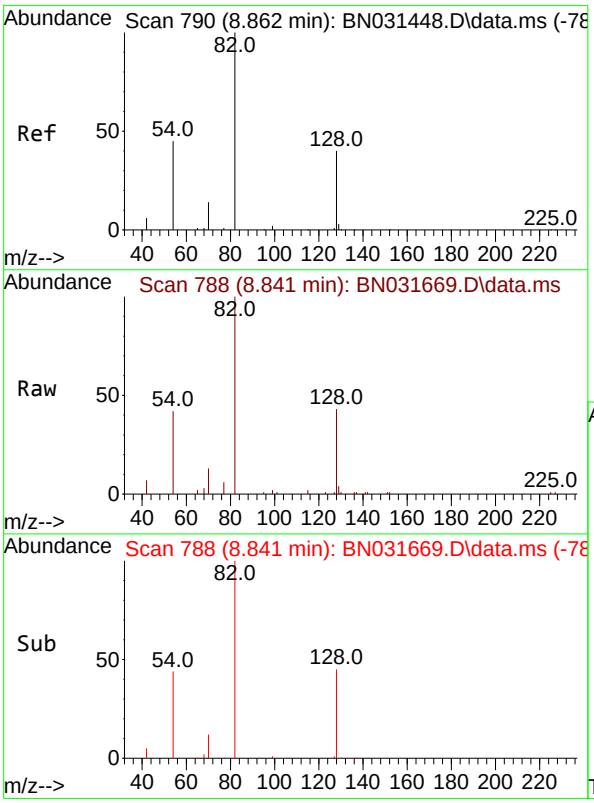
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.474 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 50978

Ion	Ratio	Lower	Upper
136	100		
137	11.0	10.1	15.1
54	5.7	10.5	15.7#
68	5.2	11.1	16.7#

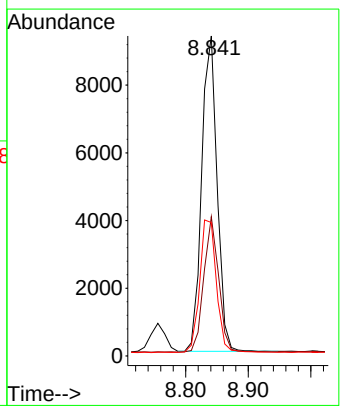


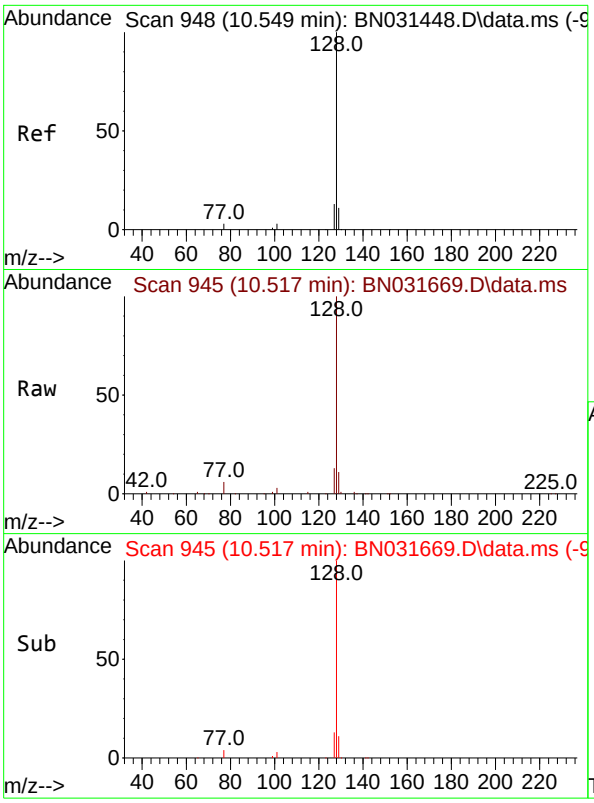


#8
Nitrobenzene-d5
Concen: 0.436 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.021 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion: 82 Resp: 15942

Ion	Ratio	Lower	Upper
82	100		
128	43.5	29.0	43.6
54	41.7	37.2	55.8



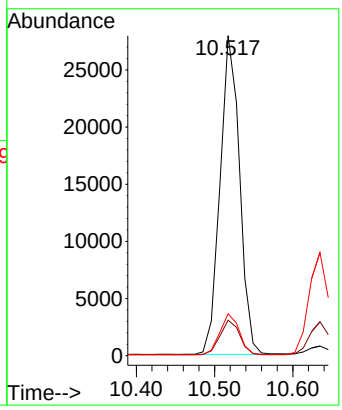


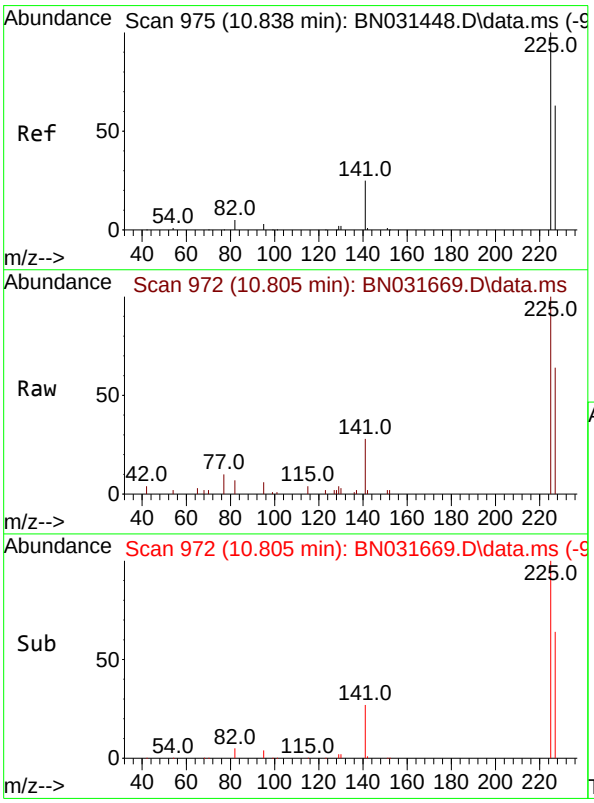
#9
Naphthalene
Concen: 0.341 ng
RT: 10.517 min Scan# 94
Delta R.T. -0.032 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 48312

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.4
127	13.1	11.7	17.5

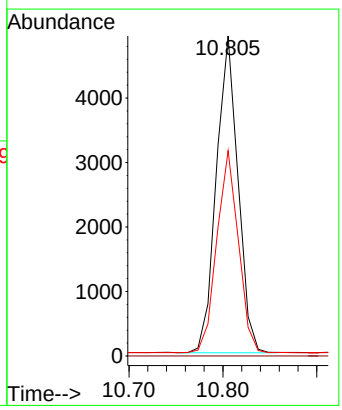


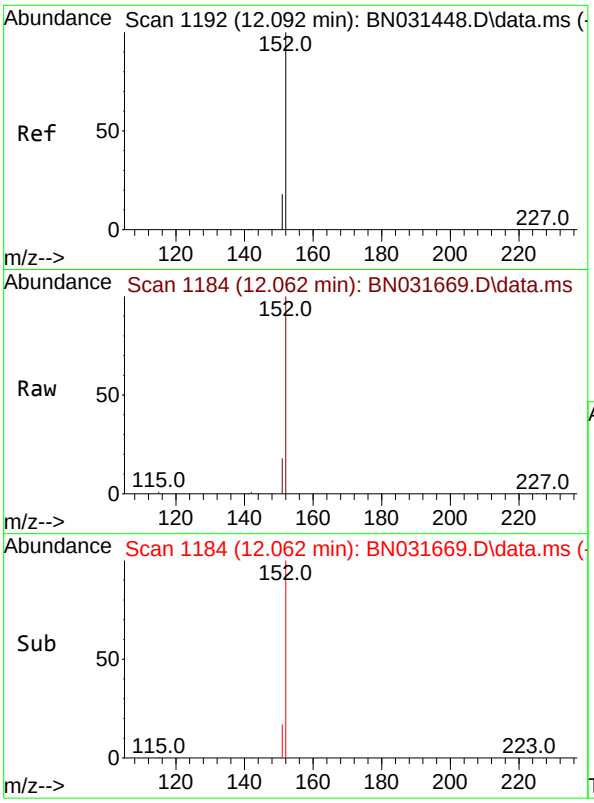


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.805 min Scan# 972
Delta R.T. -0.032 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:225 Resp: 7875

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.7	76.1



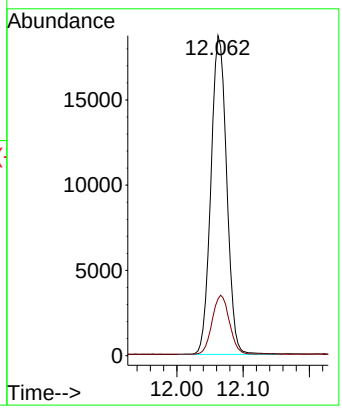


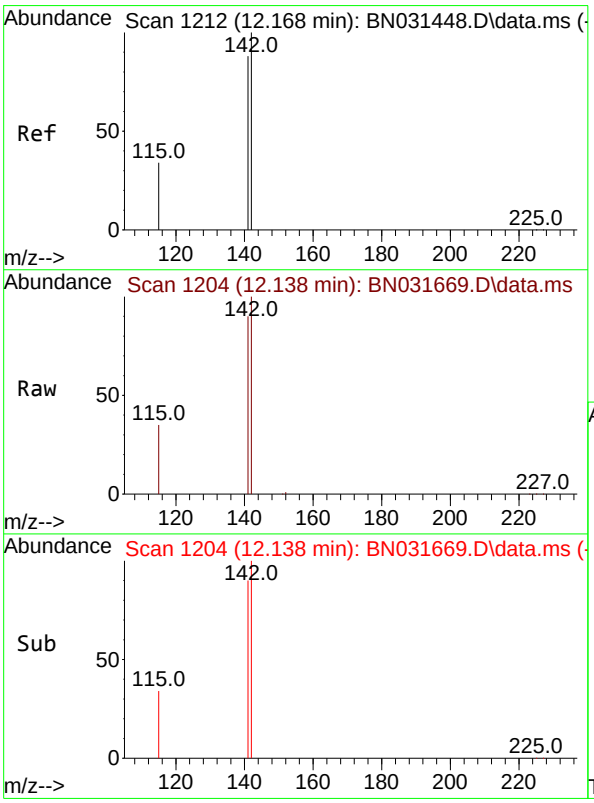
#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.062 min Scan# 11
Delta R.T. -0.030 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 30925

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0

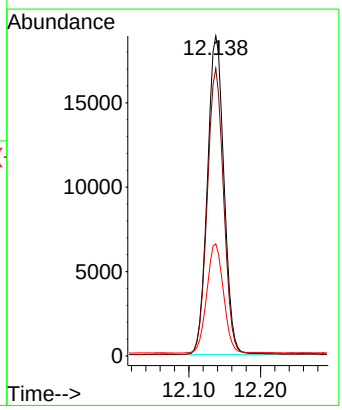


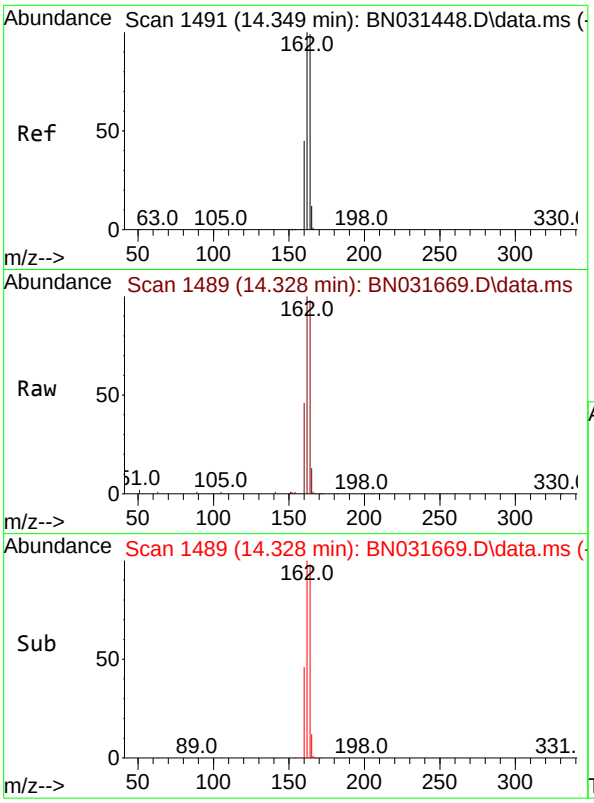


#12
2-Methylnaphthalene
Concen: 0.315 ng
RT: 12.138 min Scan# 1204
Delta R.T. -0.030 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:142 Resp: 30431

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.0	106.6
115	35.0	30.2	45.2



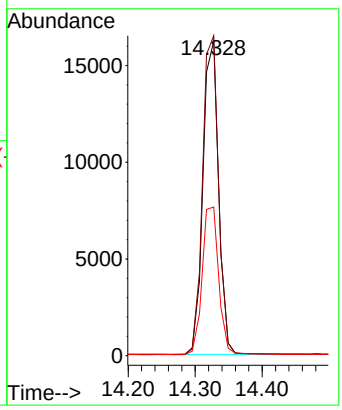


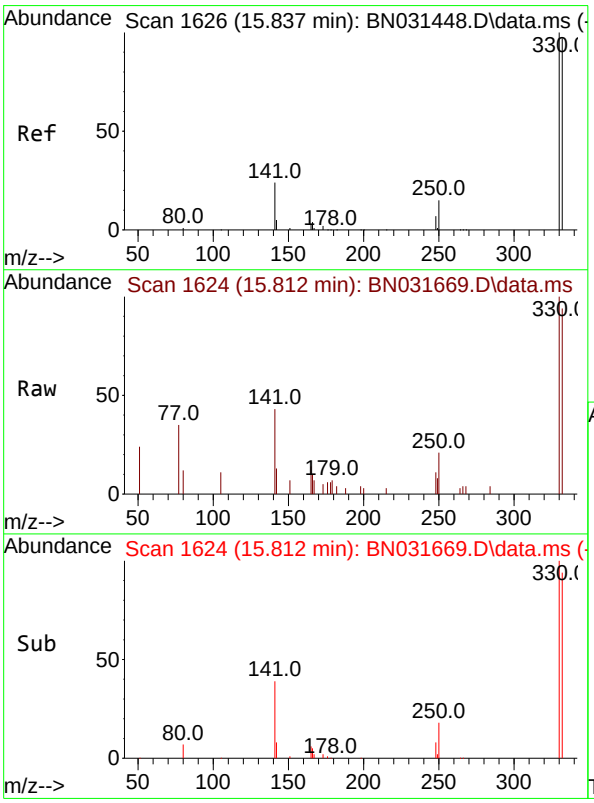
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.328 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 26252

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.2	121.8
160	47.3	37.0	55.6

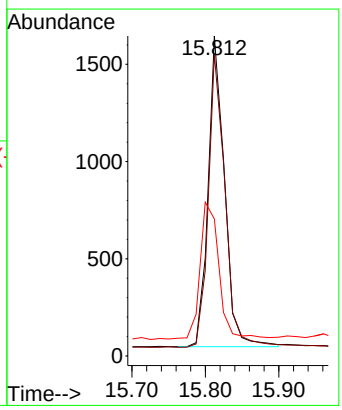


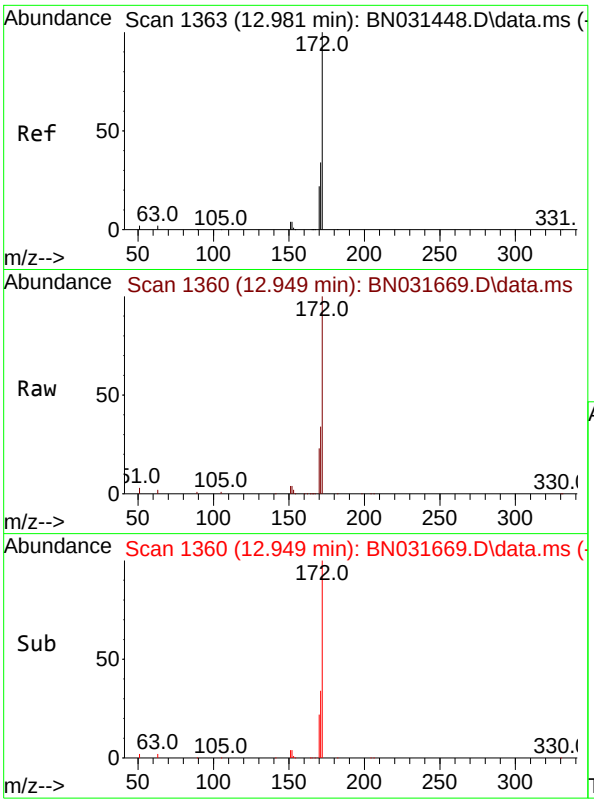


#14
2,4,6-Tribromophenol
Concen: 0.250 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:330 Resp: 2486

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	50.0	37.0	55.4



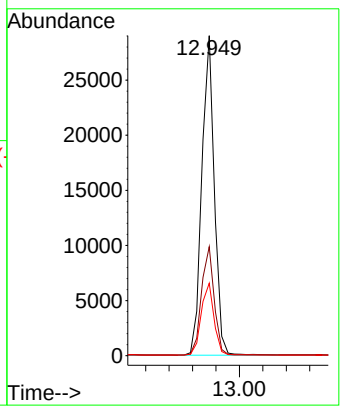


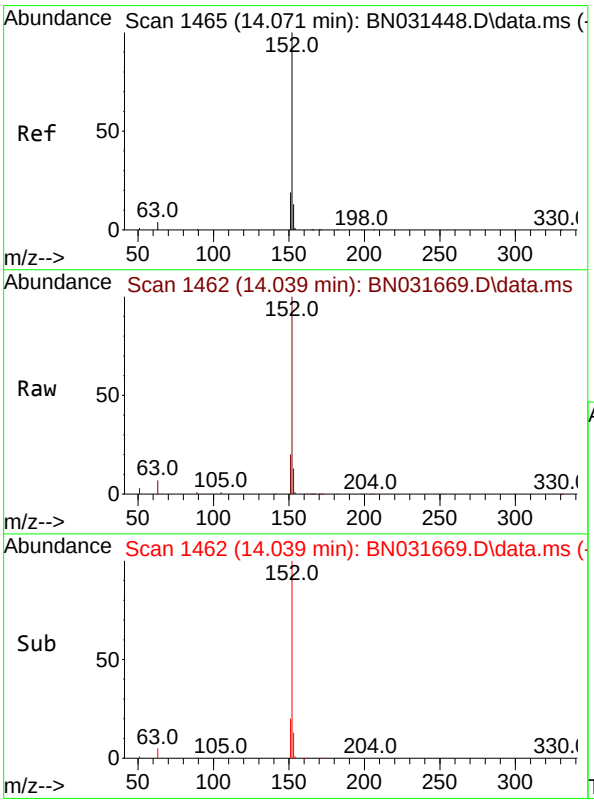
#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.949 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 43065

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.8
170	22.6	18.3	27.5

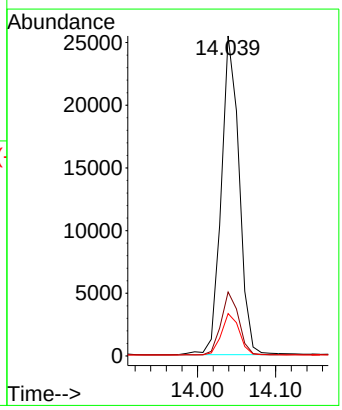


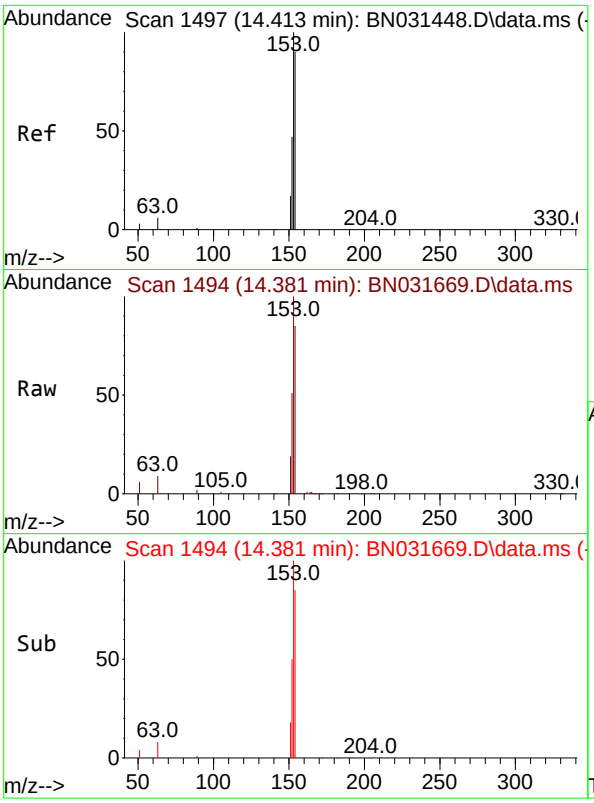


#16
Acenaphthylene
Concen: 0.306 ng
RT: 14.039 min Scan# 1462
Delta R.T. -0.032 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:152 Resp: 40382

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



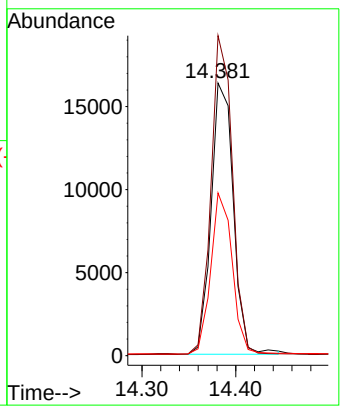


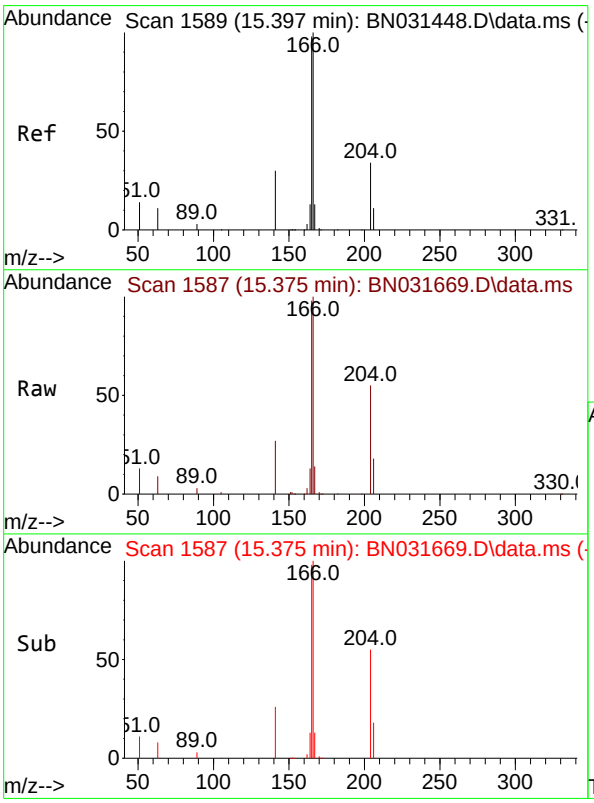
#17
Acenaphthene
Concen: 0.328 ng
RT: 14.381 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 27008

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.1	133.7
152	56.9	42.6	64.0

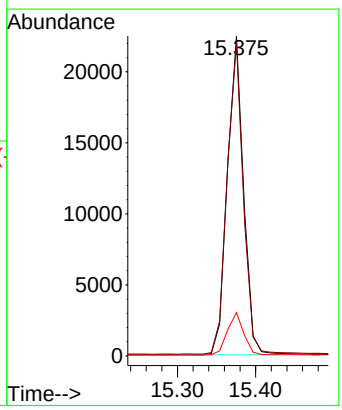


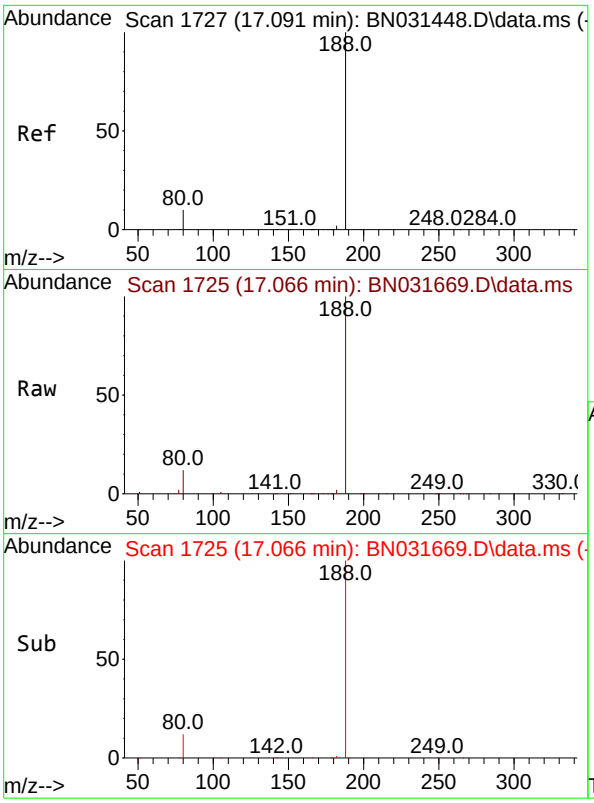


#18
Fluorene
Concen: 0.298 ng
RT: 15.375 min Scan# 1587
Delta R.T. -0.021 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:166 Resp: 32088

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.4	10.8	16.2



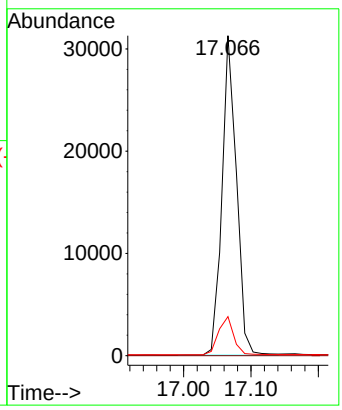


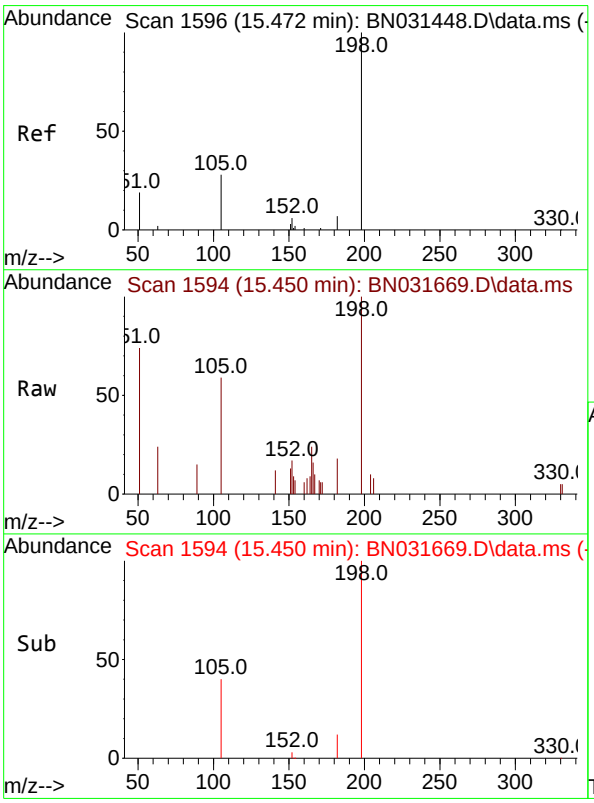
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 46534

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	9.6	14.4

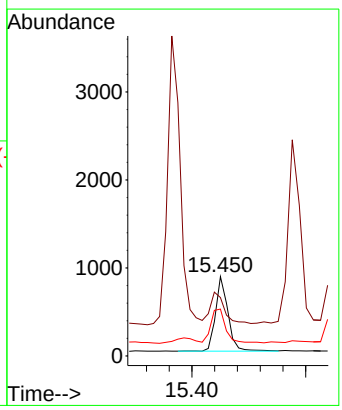


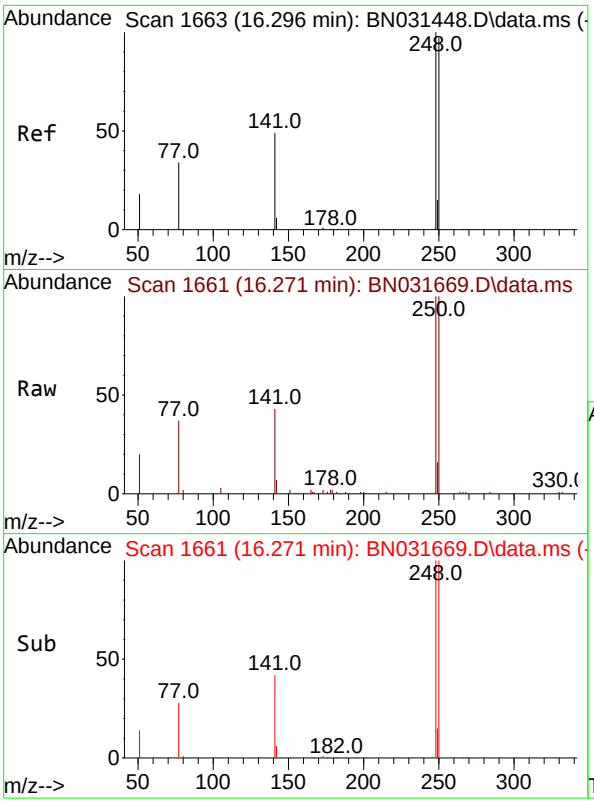


#20
4,6-Dinitro-2-methylphenol
Concen: 0.347 ng
RT: 15.450 min Scan# 1594
Delta R.T. -0.021 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:198 Resp: 1318

Ion	Ratio	Lower	Upper
198	100		
51	73.6	78.3	117.5#
105	59.0	117.2	175.8#



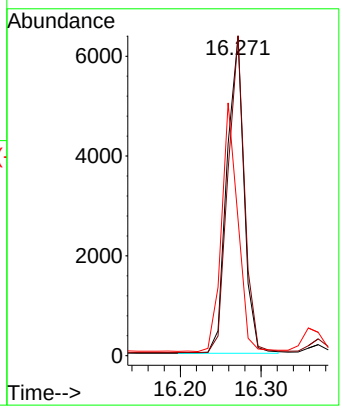


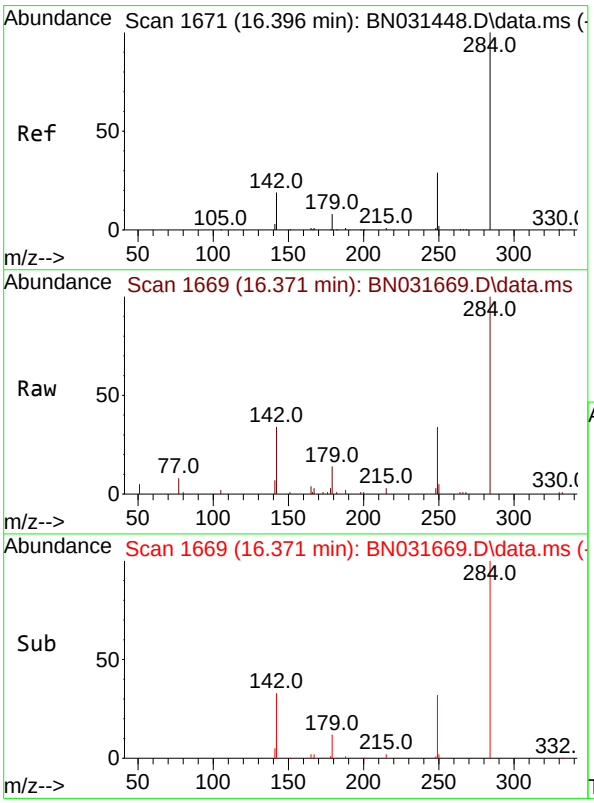
#21
4-Bromophenyl-phenylether
Concen: 0.344 ng
RT: 16.271 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 9377

Ion	Ratio	Lower	Upper
248	100		
250	100.3	77.9	116.9
141	42.8	43.4	65.2#

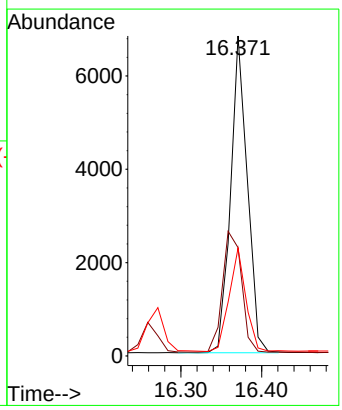


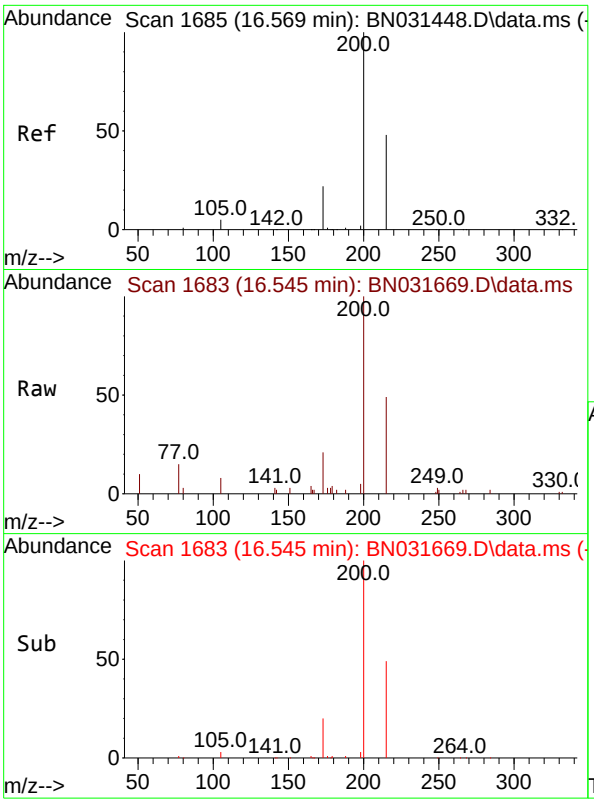


#22
Hexachlorobenzene
Concen: 0.357 ng
RT: 16.371 min Scan# 1669
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:284 Resp: 9801

Ion	Ratio	Lower	Upper
284	100		
142	43.5	31.0	46.6
249	32.3	25.5	38.3



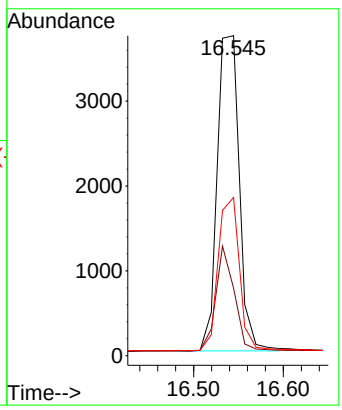


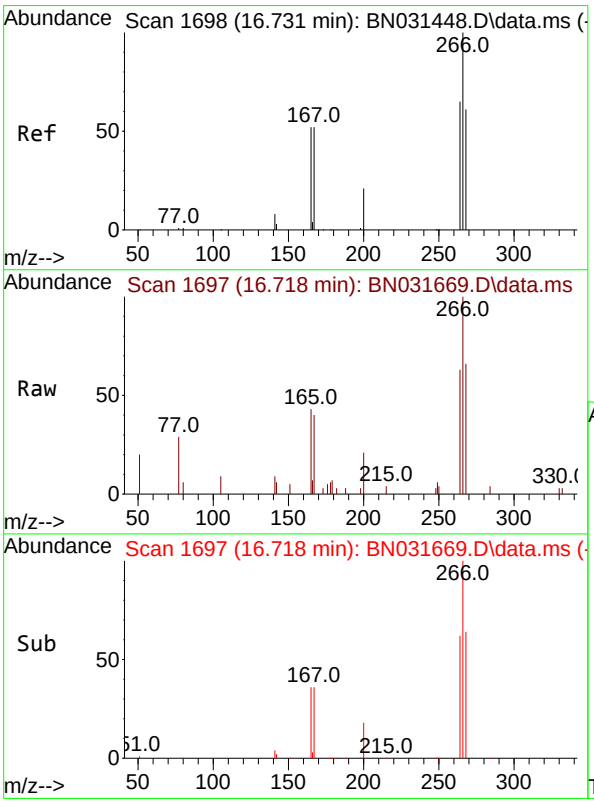
#23
Atrazine
Concen: 0.258 ng
RT: 16.545 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 6373

Ion	Ratio	Lower	Upper
200	100		
173	21.1	19.6	29.4
215	49.4	39.8	59.8

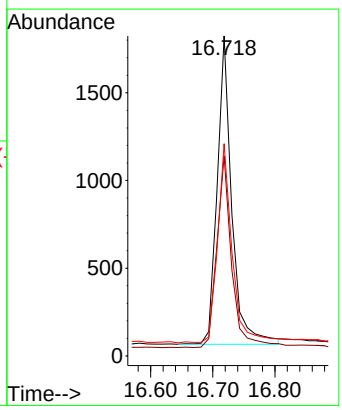


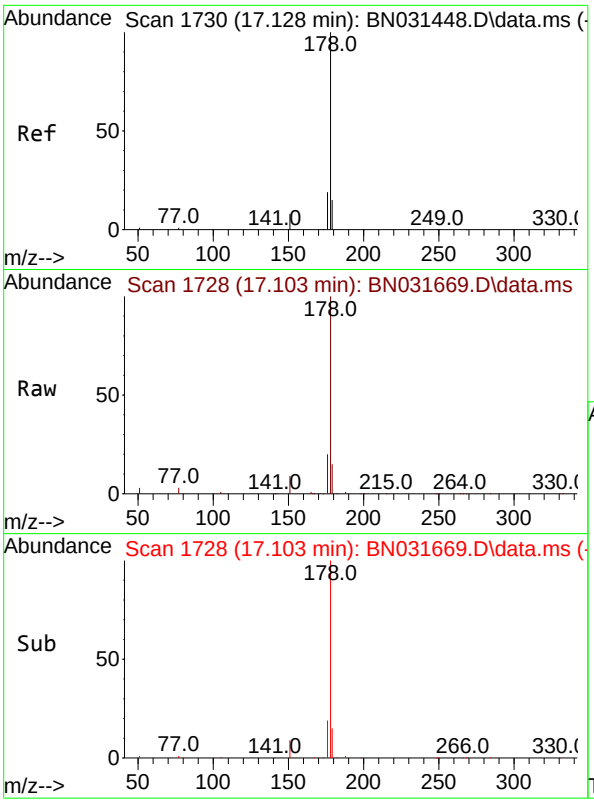


#24
Pentachlorophenol
Concen: 0.295 ng
RT: 16.718 min Scan# 1697
Delta R.T. -0.013 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:266 Resp: 2868

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.6	75.8
268	63.7	49.0	73.4



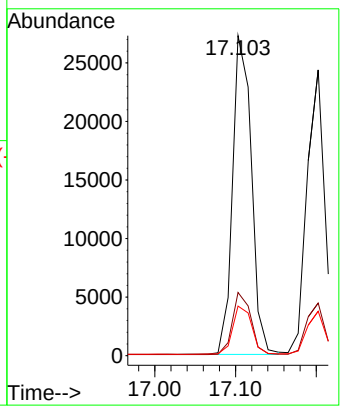


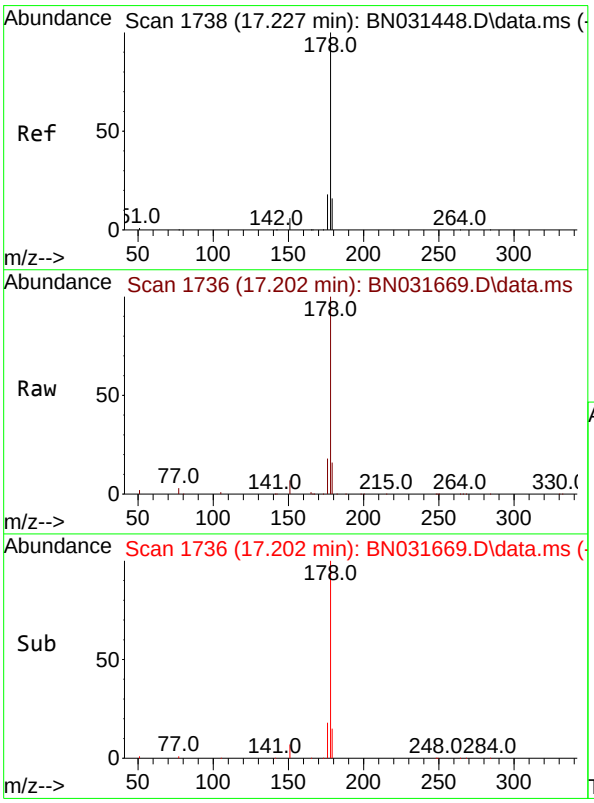
#25
Phenanthrene
Concen: 0.339 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 44199

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.3	18.5

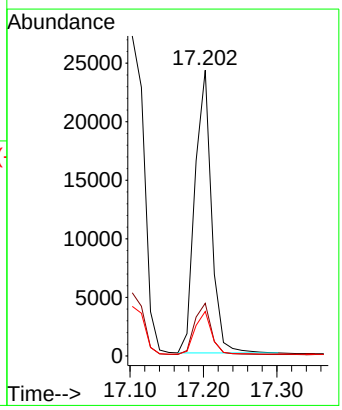


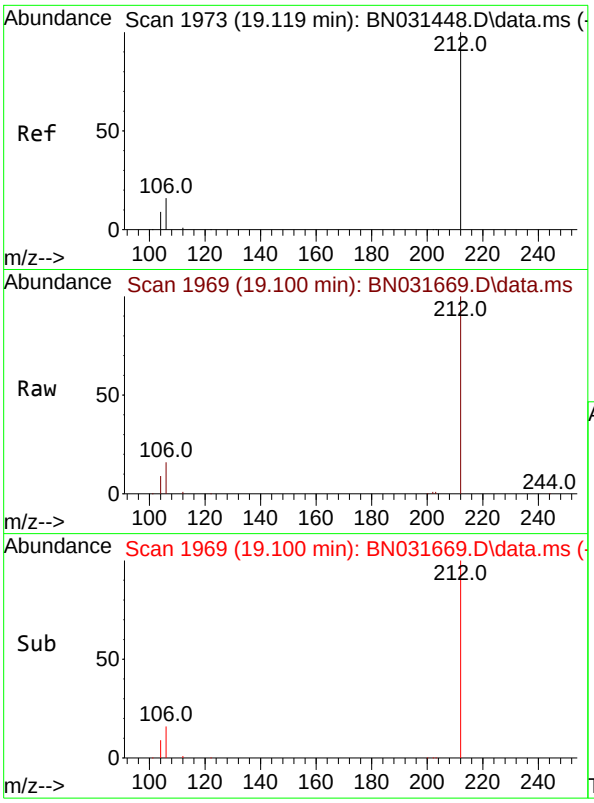


#26
Anthracene
Concen: 0.292 ng
RT: 17.202 min Scan# 1736
Delta R.T. -0.025 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:178 Resp: 37696

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.3	12.4	18.6



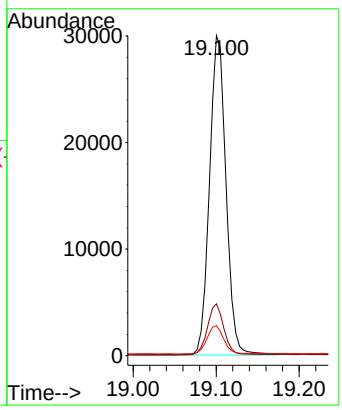


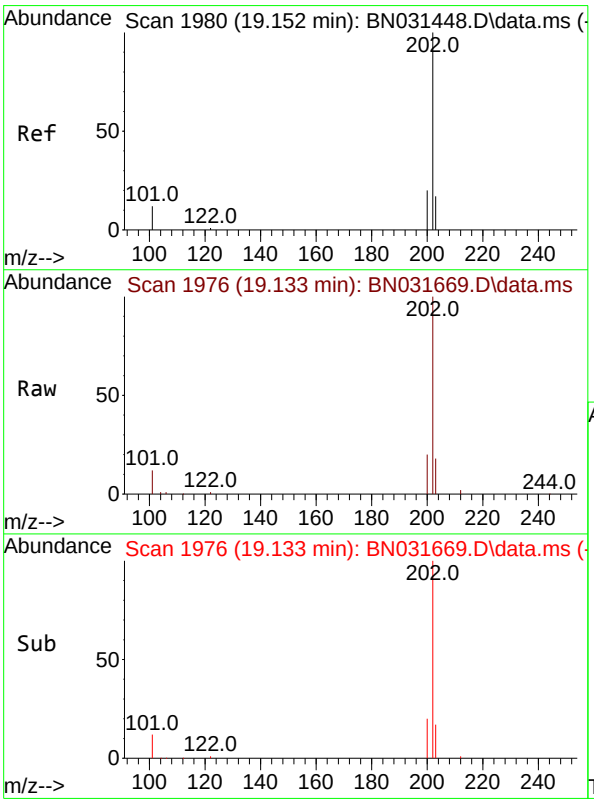
#27
Fluoranthene-d10
Concen: 0.322 ng
RT: 19.100 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 41523

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.0	18.0
104	9.0	6.9	10.3

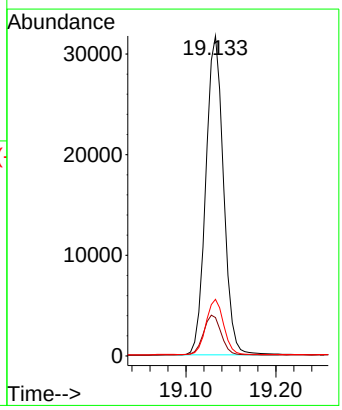


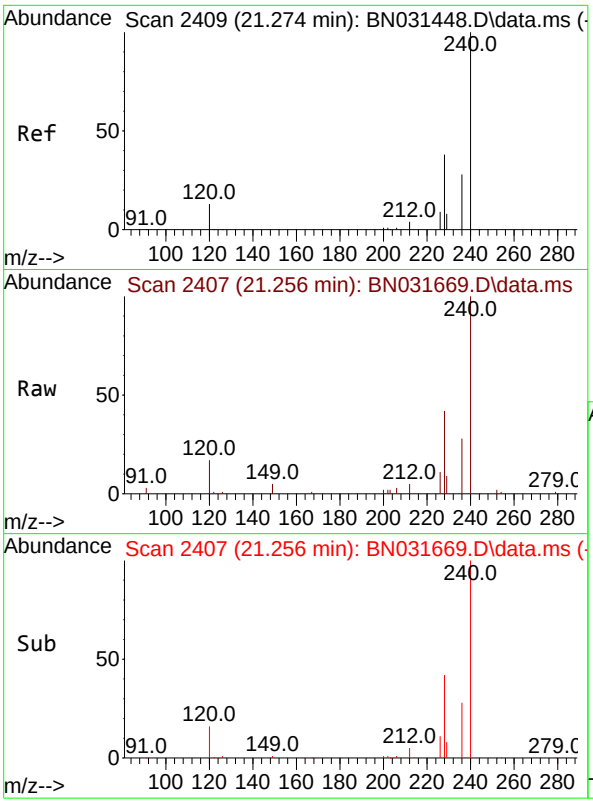


#28
Fluoranthene
Concen: 0.274 ng
RT: 19.133 min Scan# 1976
Delta R.T. -0.019 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:202 Resp: 43408

Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.8	14.6
203	17.2	13.8	20.8



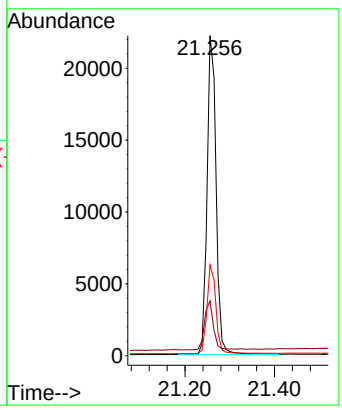


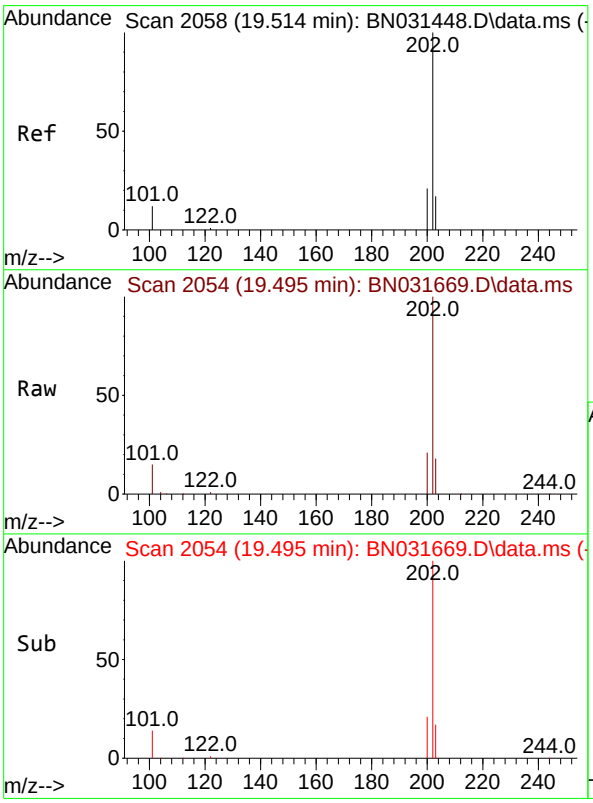
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.256 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 31109

Ion	Ratio	Lower	Upper
240	100		
120	17.1	11.4	17.2
236	28.4	22.2	33.4

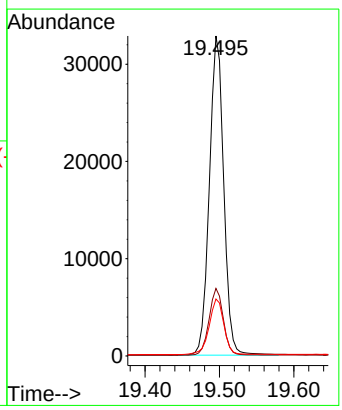


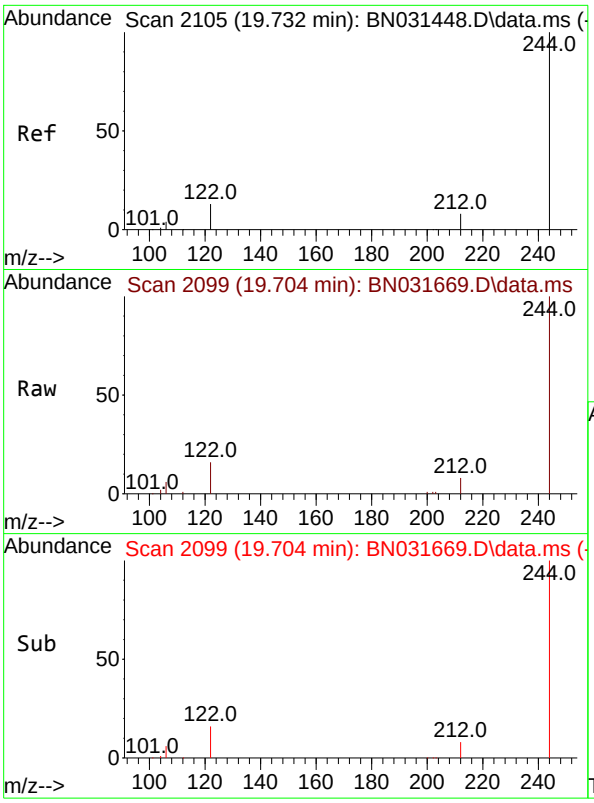


#30
Pyrene
Concen: 0.349 ng
RT: 19.495 min Scan# 2054
Delta R.T. -0.019 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:202 Resp: 43938

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.0	14.3	21.5



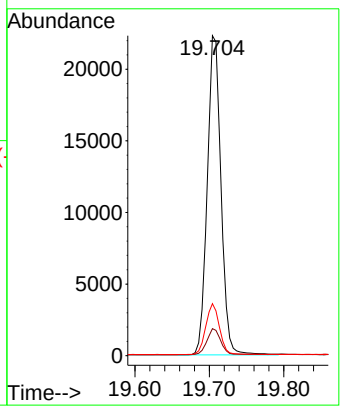


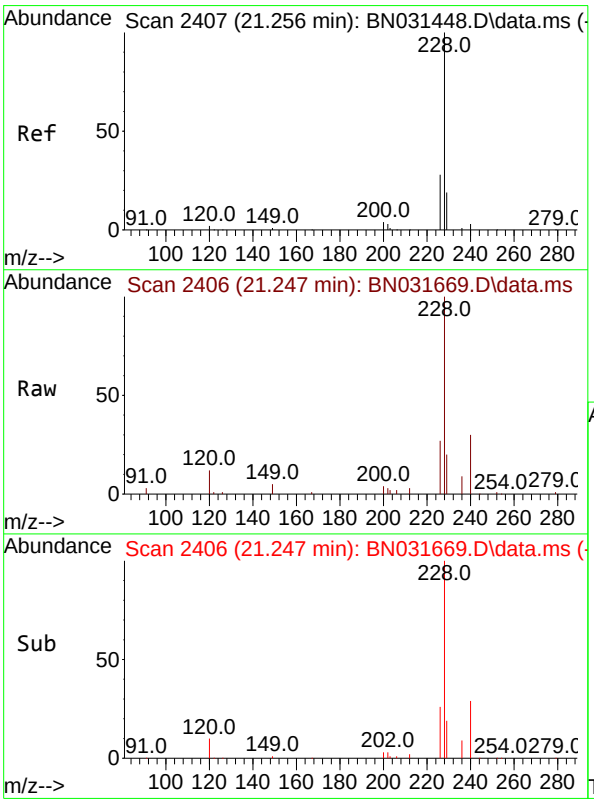
#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.704 min Scan# 2
Delta R.T. -0.028 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 28518

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	16.3	11.4	17.2

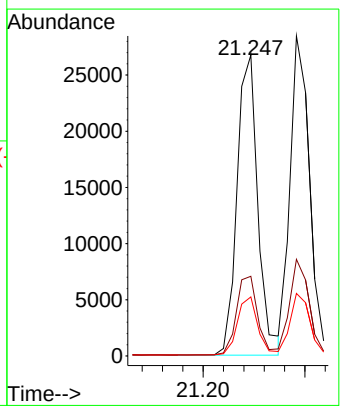


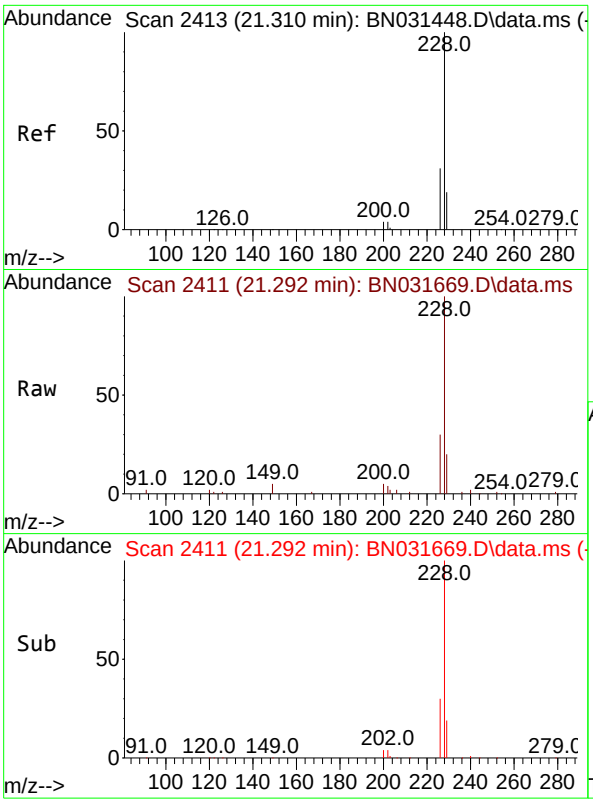


#32
Benzo(a)anthracene
Concen: 0.316 ng
RT: 21.247 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:228 Resp: 37900

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.4	33.6
229	19.6	15.5	23.3



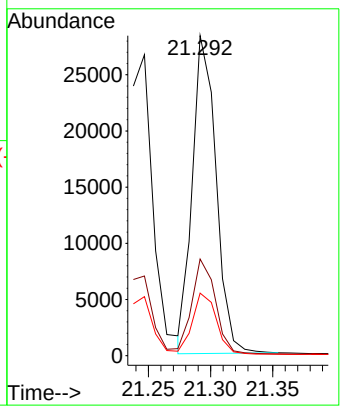


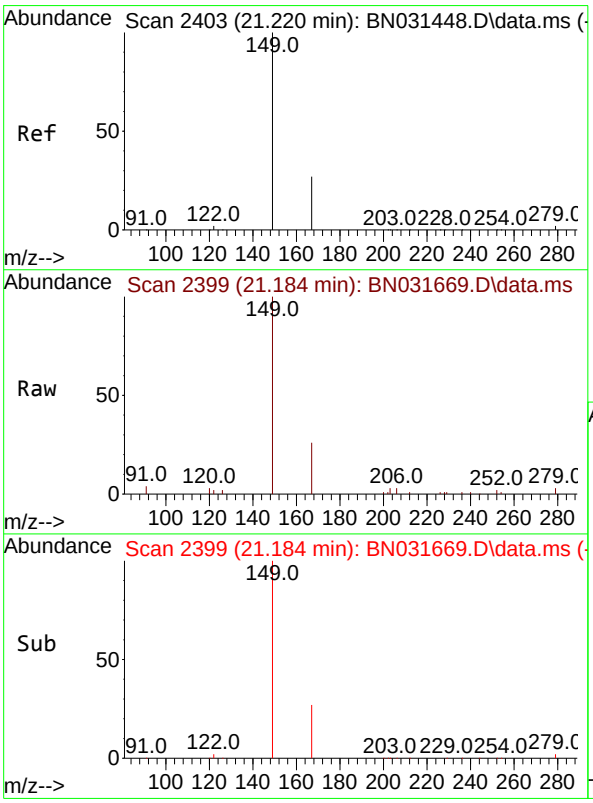
#33
Chrysene
Concen: 0.328 ng
RT: 21.292 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 37529

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	19.5	15.8	23.8

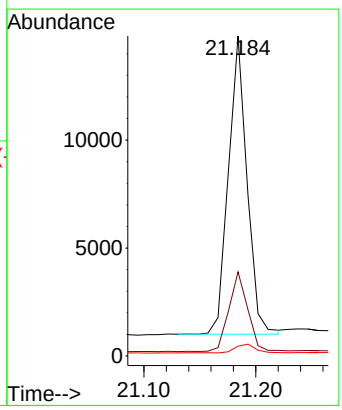


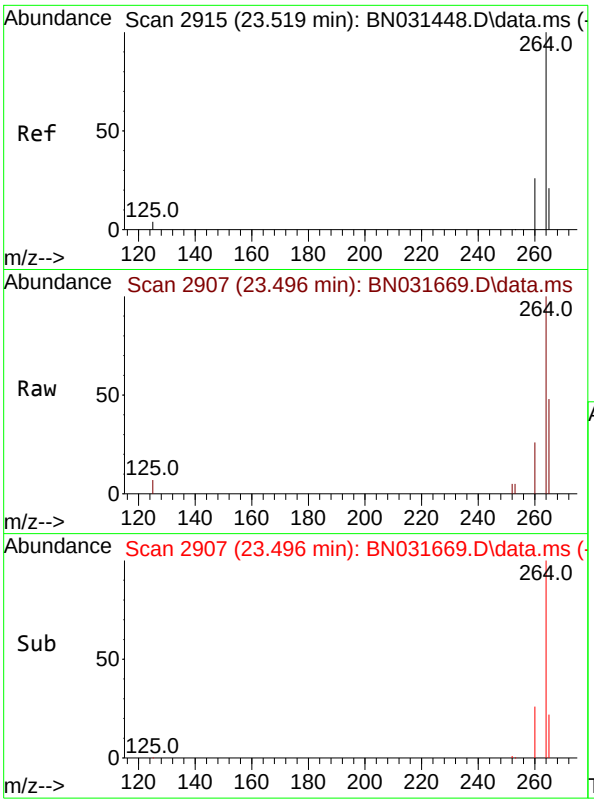


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.227 ng
RT: 21.184 min Scan# 2399
Delta R.T. -0.036 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:149 Resp: 15954

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	3.3	2.7	4.1



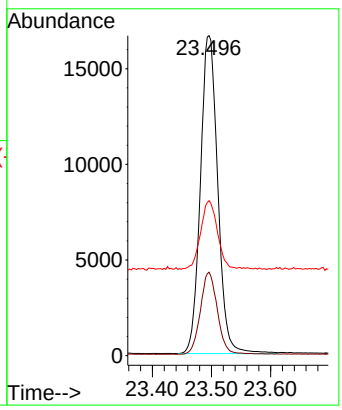


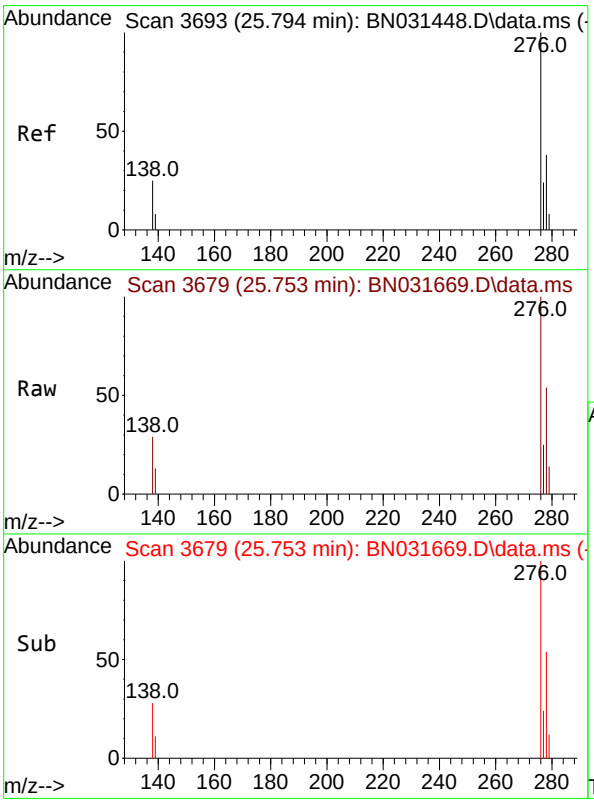
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.496 min Scan# 2
Delta R.T. -0.024 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 33870

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.6	31.0
265	48.4	24.0	36.0#

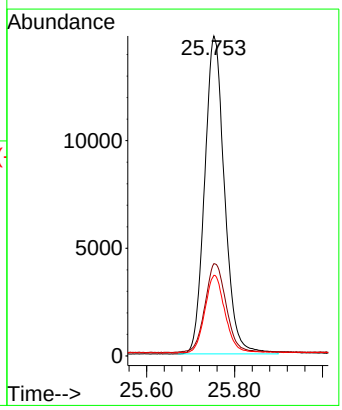


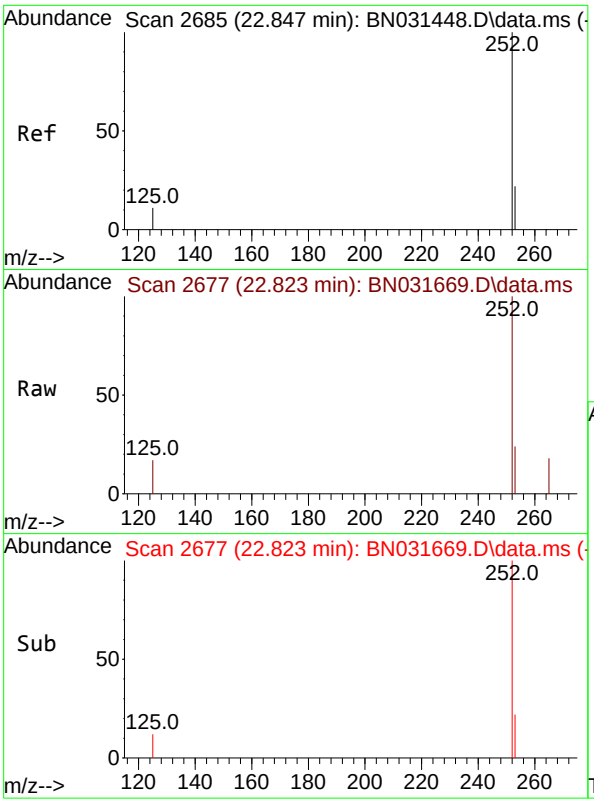


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.344 ng
RT: 25.753 min Scan# 3679
Delta R.T. -0.041 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:276 Resp: 46501

Ion	Ratio	Lower	Upper
276	100		
138	29.7	23.0	34.6
277	24.7	19.9	29.9



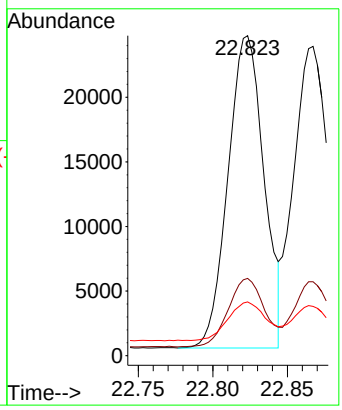


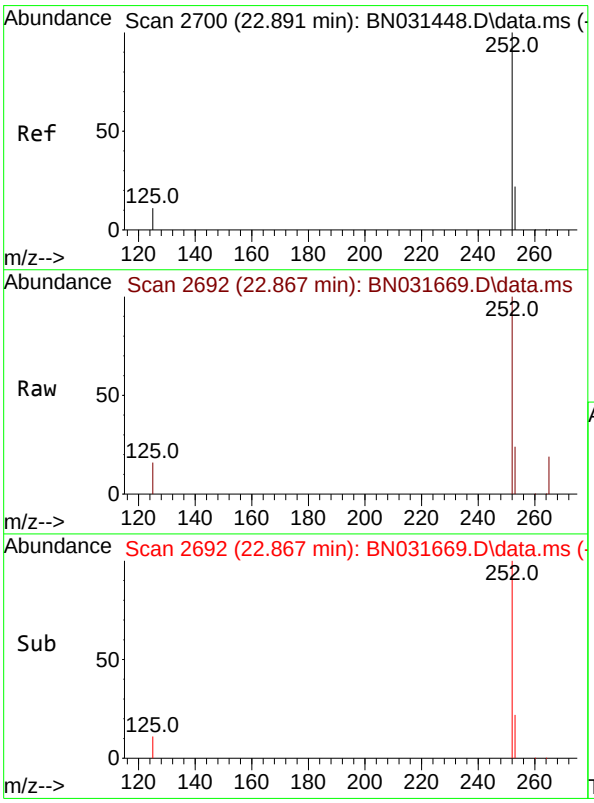
#37
Benzo(b)fluoranthene
Concen: 0.333 ng
RT: 22.823 min Scan# 2
Delta R.T. -0.024 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 40519

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	16.8	10.5	15.7#

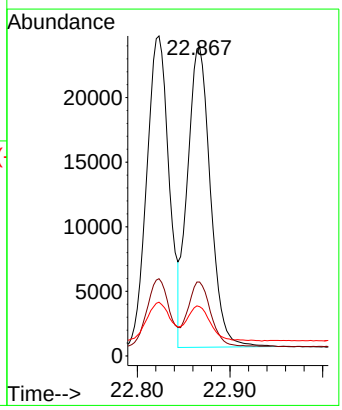


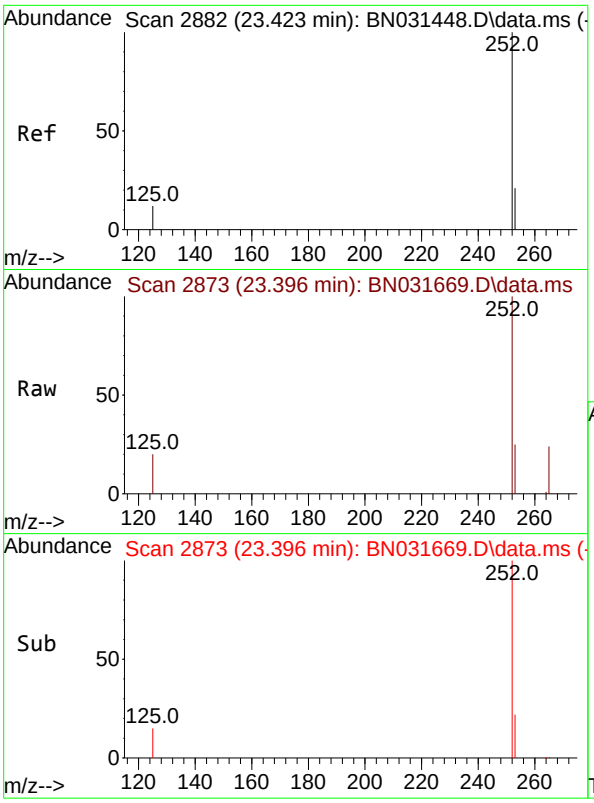


#38
Benzo(k)fluoranthene
Concen: 0.348 ng
RT: 22.867 min Scan# 2692
Delta R.T. -0.023 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:252 Resp: 40075

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	15.9	11.0	16.6



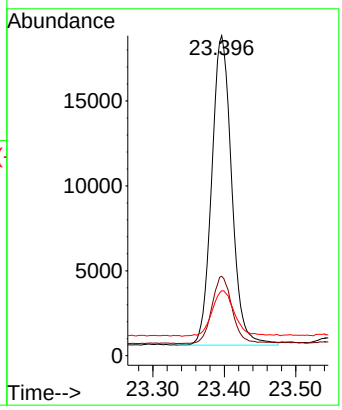


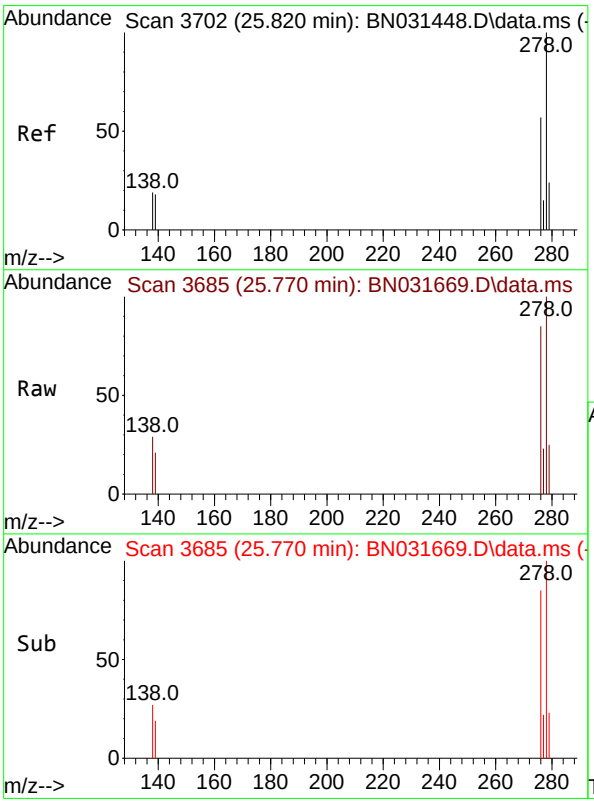
#39
Benzo(a)pyrene
Concen: 0.334 ng
RT: 23.396 min Scan# 2
Delta R.T. -0.026 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 35350

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	20.3	11.9	17.9#

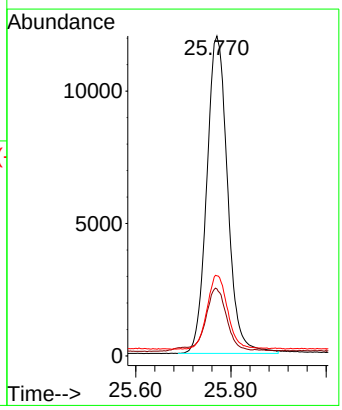


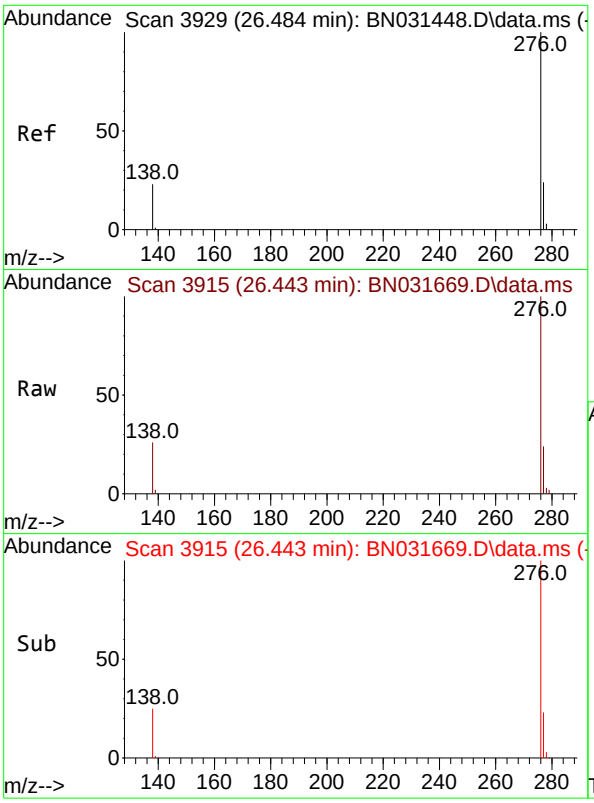


#40
Dibenzo(a,h)anthracene
Concen: 0.340 ng
RT: 25.770 min Scan# 3685
Delta R.T. -0.050 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Tgt Ion:278 Resp: 36415

Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.9	23.9
279	25.1	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.345 ng
RT: 26.443 min Scan# 3
Delta R.T. -0.041 min
Lab File: BN031669.D
Acq: 28 May 2024 11:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 39741

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	26.4	20.4	30.6