Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031676.D
Acq On : 28 May 2024 15:18
Operator : MA/JU
Sample : PB160989BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Quant Time: May 28 15:46:58 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

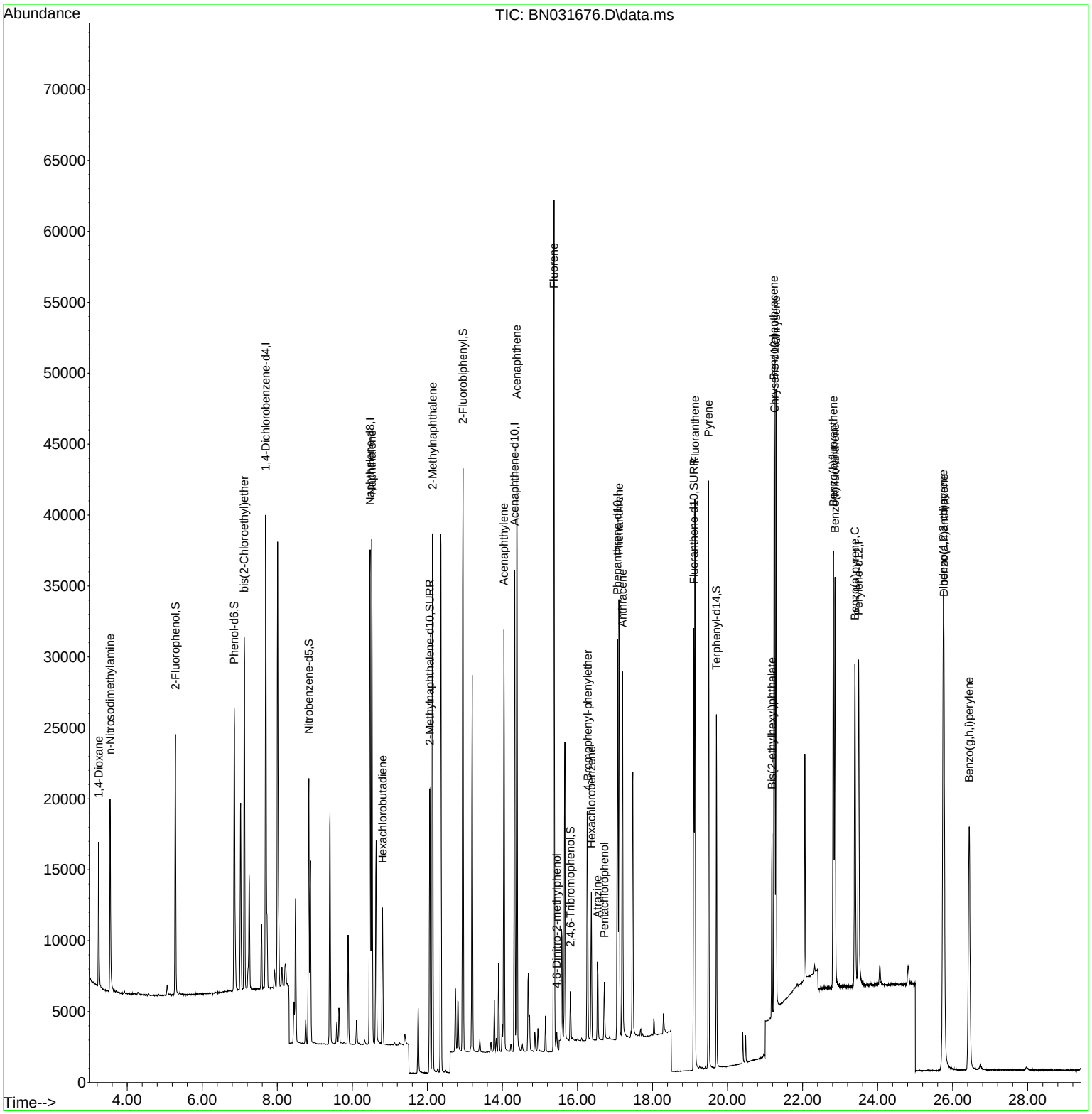
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	16081	0.400	ng	-0.03
7) Naphthalene-d8	10.474	136	49012	0.400	ng	#-0.02
13) Acenaphthene-d10	14.328	164	21336	0.400	ng	-0.02
19) Phenanthrene-d10	17.066	188	36770	0.400	ng	-0.02
29) Chrysene-d12	21.256	240	28006	0.400	ng	-0.02
35) Perylene-d12	23.493	264	30525	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	14862	0.325	ng	-0.01
5) Phenol-d6	6.852	99	19258	0.313	ng	-0.02
8) Nitrobenzene-d5	8.841	82	15638	0.445	ng	-0.02
11) 2-Methylnaphthalene-d10	12.062	152	27762	0.351	ng	-0.03
14) 2,4,6-Tribromophenol	15.812	330	1802	0.223	ng	-0.02
15) 2-Fluorobiphenyl	12.949	172	37272	0.453	ng	-0.03
27) Fluoranthene-d10	19.100	212	34268	0.336	ng	-0.02
31) Terphenyl-d14	19.704	244	23471	0.343	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.241	88	7126	0.360	ng	# 86
3) n-Nitrosodimethylamine	3.544	42	6867	0.352	ng	96
6) bis(2-Chloroethyl)ether	7.119	93	18206	0.340	ng	97
9) Naphthalene	10.517	128	46470	0.341	ng	96
10) Hexachlorobutadiene	10.805	225	7585	0.317	ng	# 100
12) 2-Methylnaphthalene	12.138	142	27362	0.295	ng	99
16) Acenaphthylene	14.039	152	32705	0.305	ng	100
17) Acenaphthene	14.381	154	21993	0.329	ng	96
18) Fluorene	15.375	166	25102	0.287	ng	99
20) 4,6-Dinitro-2-methylph...	15.450	198	835	0.278	ng	# 59
21) 4-Bromophenyl-phenylether	16.271	248	7116	0.330	ng	92
22) Hexachlorobenzene	16.371	284	7640	0.352	ng	96
23) Atrazine	16.532	200	4595	0.235	ng	# 90
24) Pentachlorophenol	16.718	266	2040	0.266	ng	98
25) Phenanthrene	17.103	178	34936	0.339	ng	100
26) Anthracene	17.202	178	28968	0.284	ng	99
28) Fluoranthene	19.133	202	36031	0.288	ng	99
30) Pyrene	19.495	202	37103	0.327	ng	100
32) Benzo(a)anthracene	21.238	228	32325	0.299	ng	99
33) Chrysene	21.292	228	34121	0.332	ng	99
34) Bis(2-ethylhexyl)phtha...	21.184	149	12327	0.195	ng	97
36) Indeno(1,2,3-cd)pyrene	25.747	276	43557	0.358	ng	98
37) Benzo(b)fluoranthene	22.820	252	37100	0.339	ng	# 94
38) Benzo(k)fluoranthene	22.861	252	36901	0.356	ng	# 96
39) Benzo(a)pyrene	23.393	252	32272	0.339	ng	# 89
40) Dibenzo(a,h)anthracene	25.767	278	33953	0.352	ng	98
41) Benzo(g,h,i)perylene	26.440	276	36590	0.353	ng	98

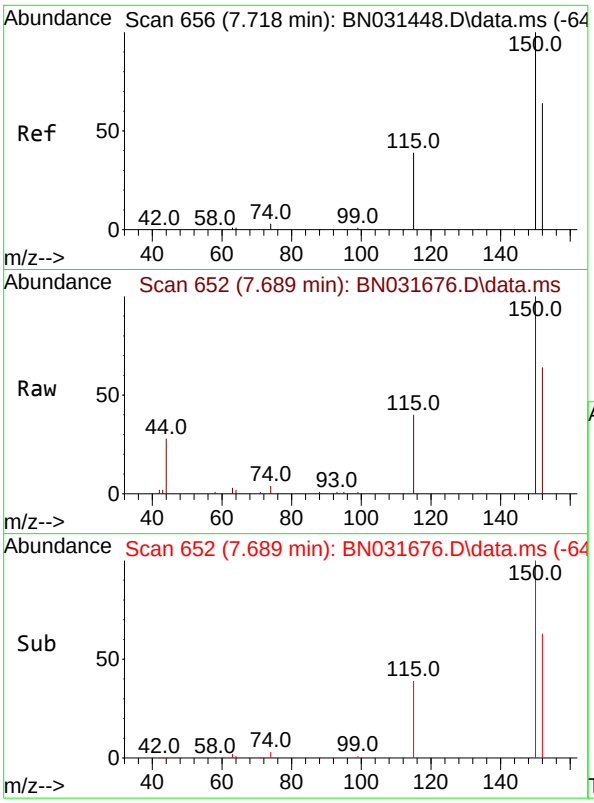
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031676.D
Acq On : 28 May 2024 15:18
Operator : MA/JU
Sample : PB160989BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Quant Time: May 28 15:46:58 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



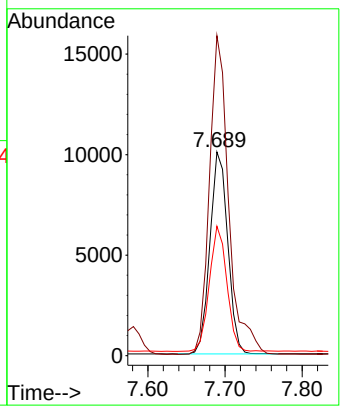


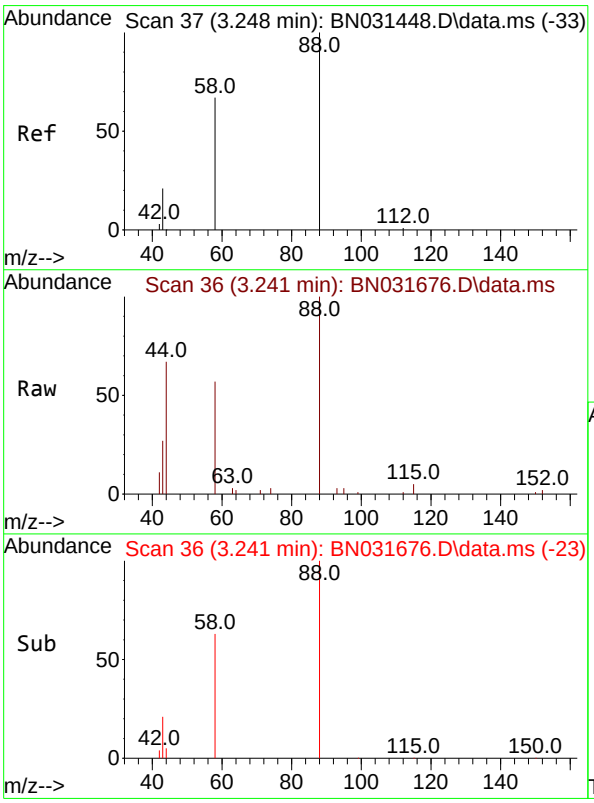
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:152 Resp: 16081

Ion	Ratio	Lower	Upper
152	100		
150	157.1	119.3	178.9
115	63.6	54.8	82.2

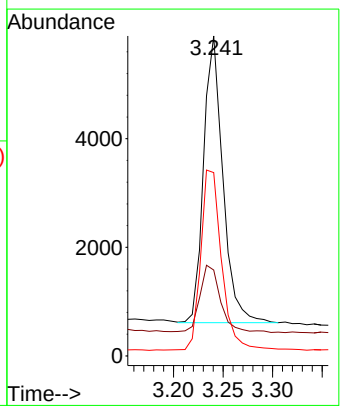


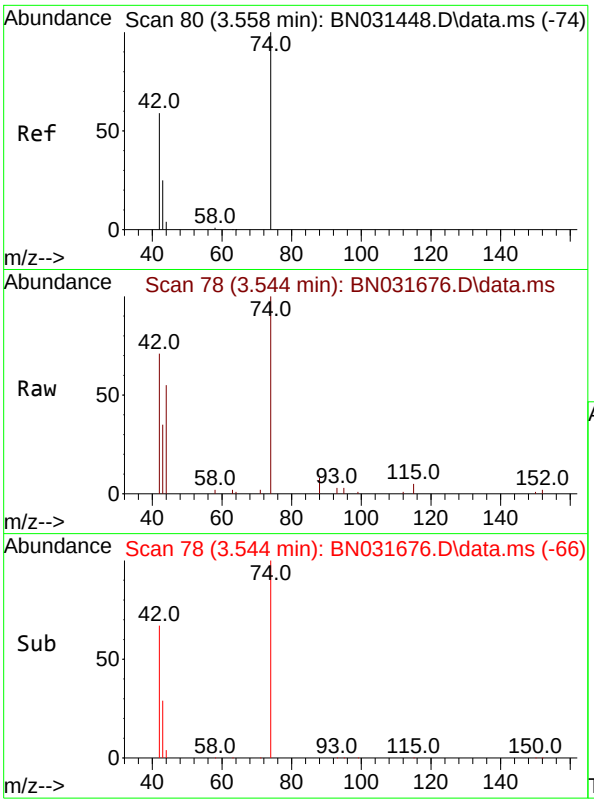


#2
1,4-Dioxane
Concen: 0.360 ng
RT: 3.241 min Scan# 36
Delta R.T. -0.007 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion: 88 Resp: 7126

Ion	Ratio	Lower	Upper
88	100		
43	25.3	39.0	58.6#
58	68.6	54.9	82.3



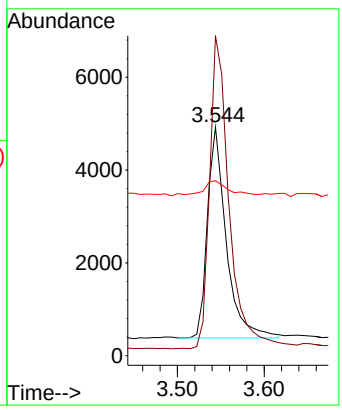


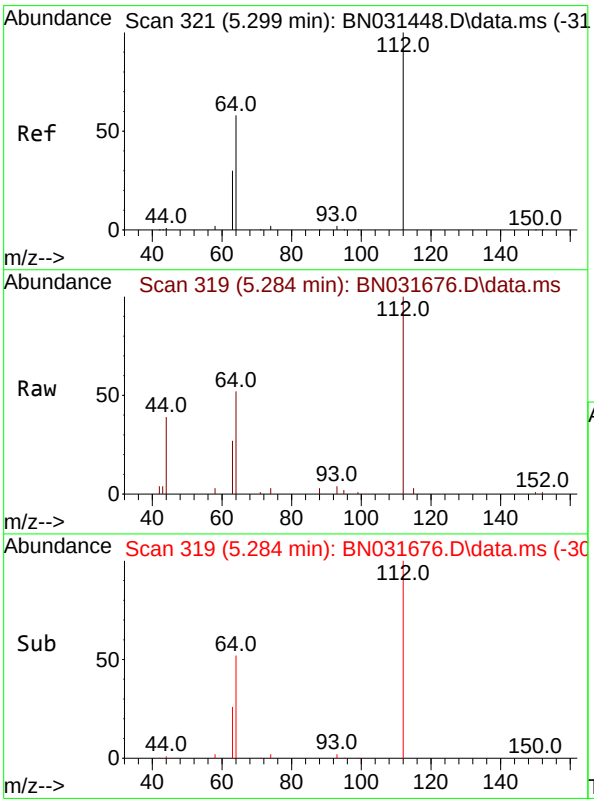
#3
n-Nitrosodimethylamine
Concen: 0.352 ng
RT: 3.544 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion: 42 Resp: 6867

Ion	Ratio	Lower	Upper
42	100		
74	152.5	126.4	189.6
44	9.7	6.9	10.3

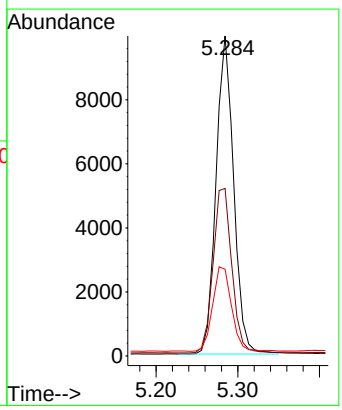


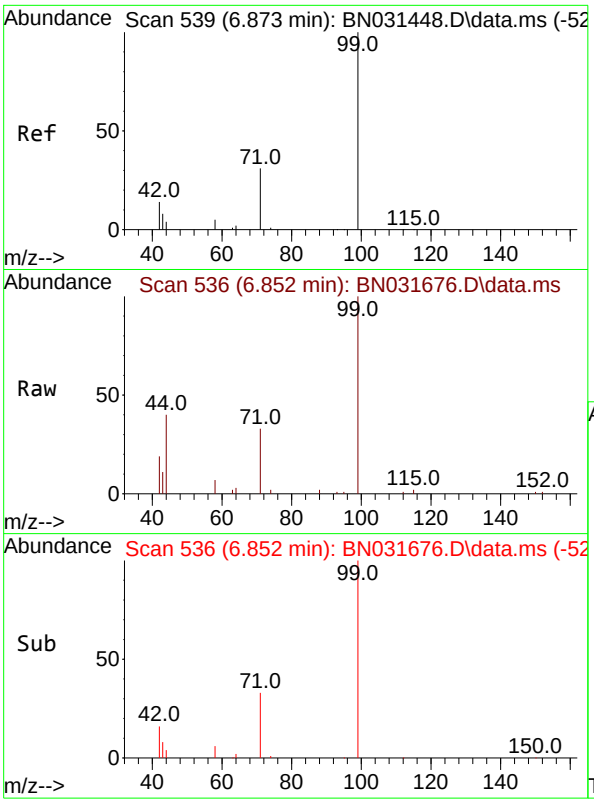


#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.284 min Scan# 319
Delta R.T. -0.015 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:112 Resp: 14862

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.0	66.0
63	28.5	22.2	33.4



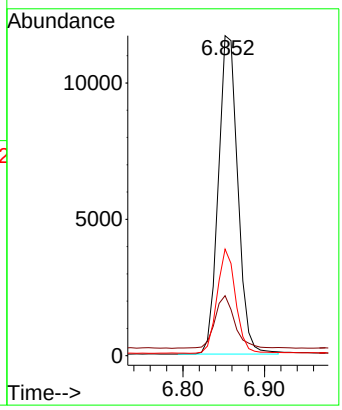


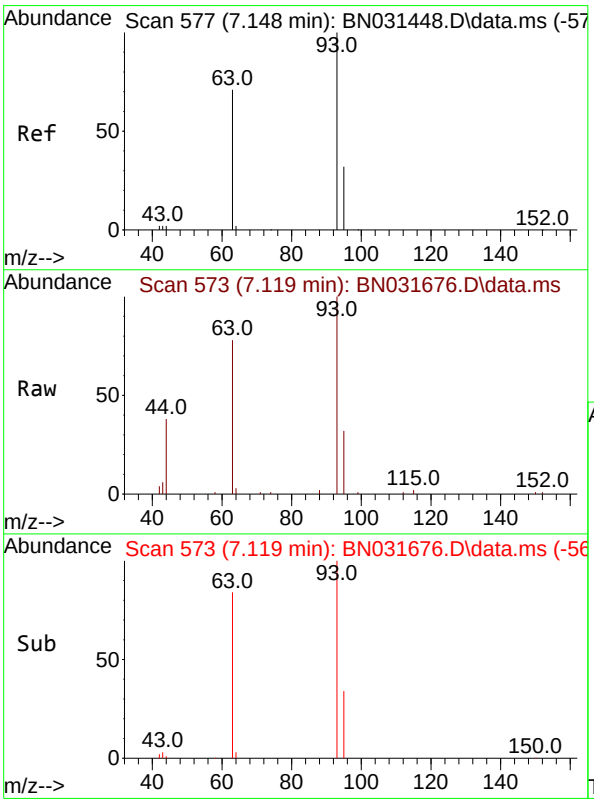
#5
Phenol-d6
Concen: 0.313 ng
RT: 6.852 min Scan# 5
Delta R.T. -0.022 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion: 99 Resp: 19258

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.5	20.3
71	31.1	26.1	39.1

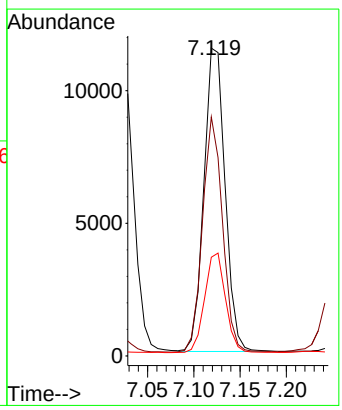


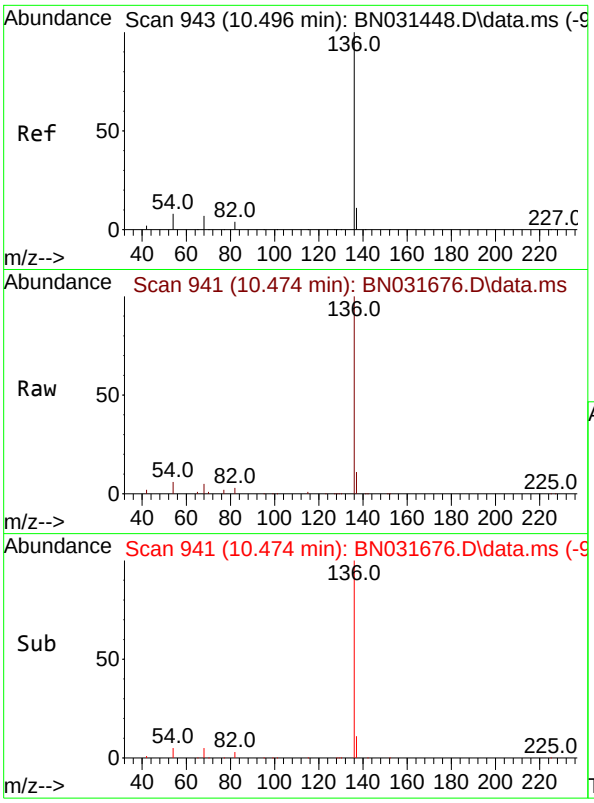


#6
bis(2-Chloroethyl)ether
Concen: 0.340 ng
RT: 7.119 min Scan# 573
Delta R.T. -0.029 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion: 93 Resp: 18206

Ion	Ratio	Lower	Upper
93	100		
63	73.1	56.6	85.0
95	32.3	27.3	40.9



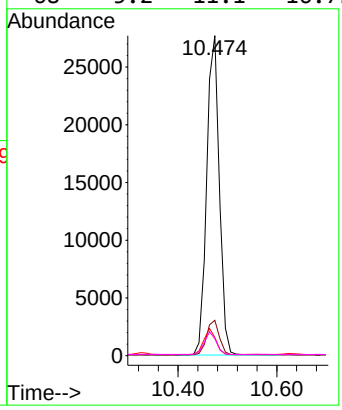


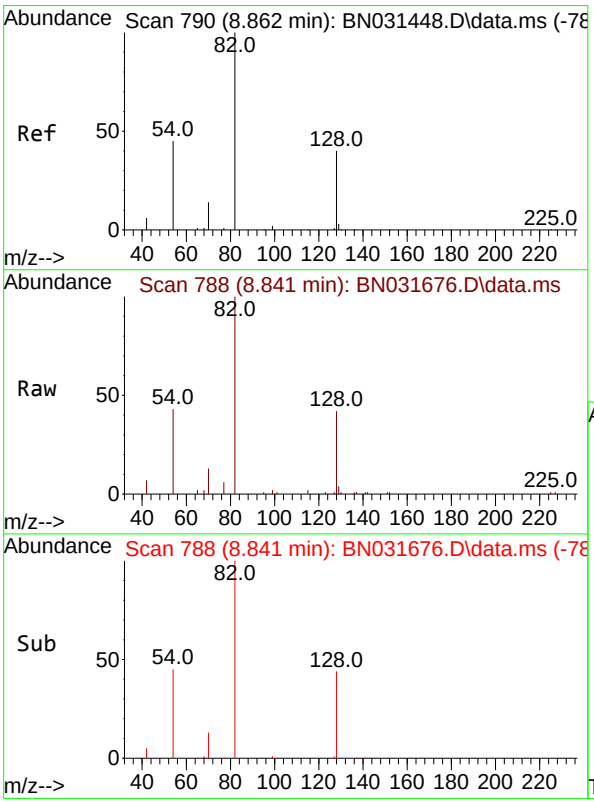
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.474 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:136 Resp: 49012

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#

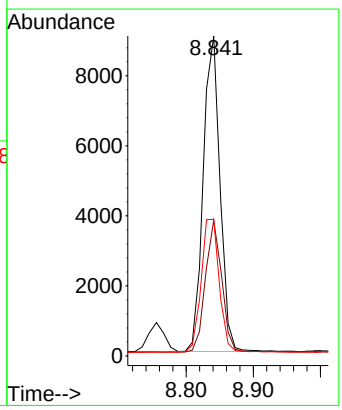


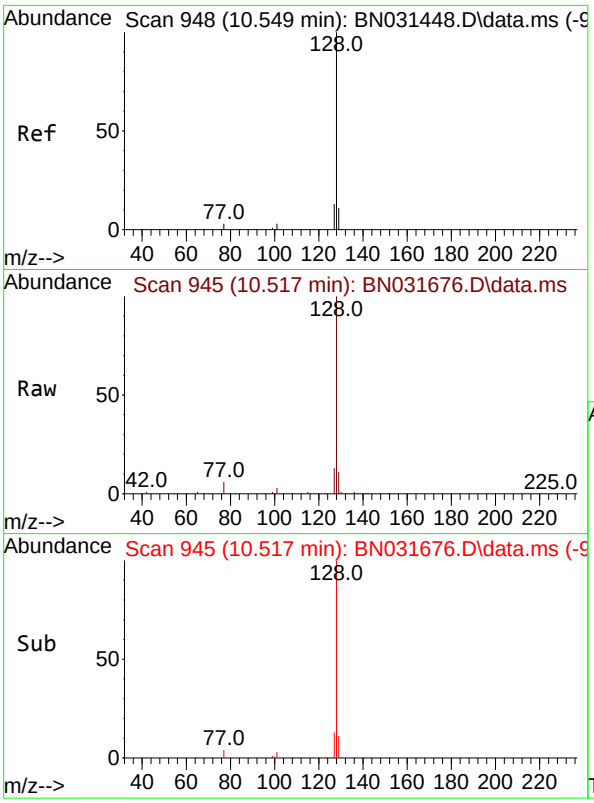


#8
Nitrobenzene-d5
Concen: 0.445 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.021 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion: 82 Resp: 15638

Ion	Ratio	Lower	Upper
82	100		
128	42.4	29.0	43.6
54	42.7	37.2	55.8



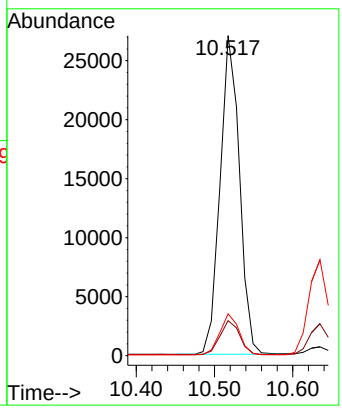


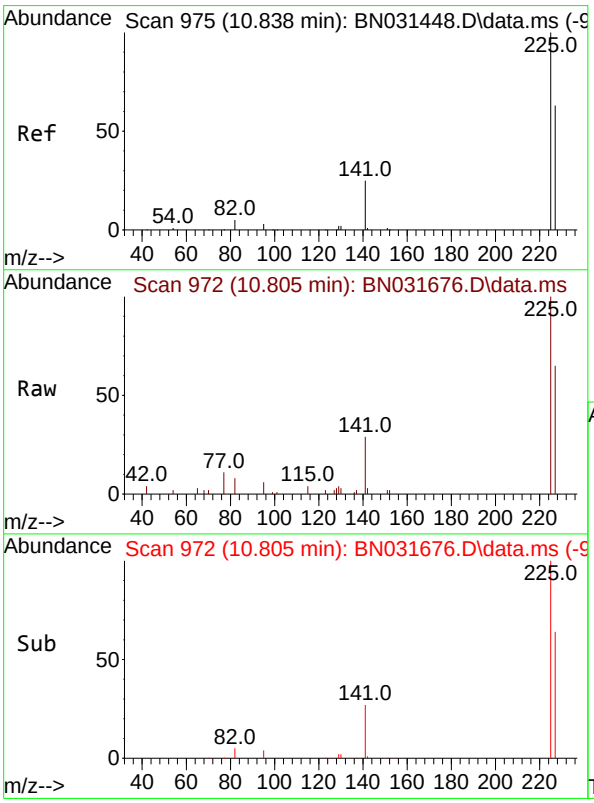
#9
Naphthalene
Concen: 0.341 ng
RT: 10.517 min Scan# 94
Delta R.T. -0.032 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:128 Resp: 46470

Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.2	15.4
127	13.1	11.7	17.5

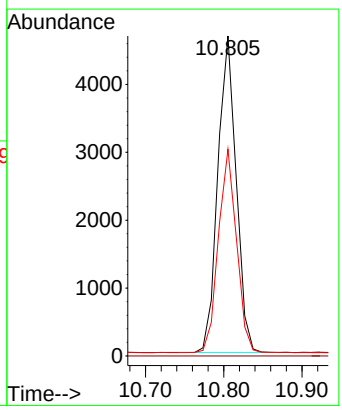


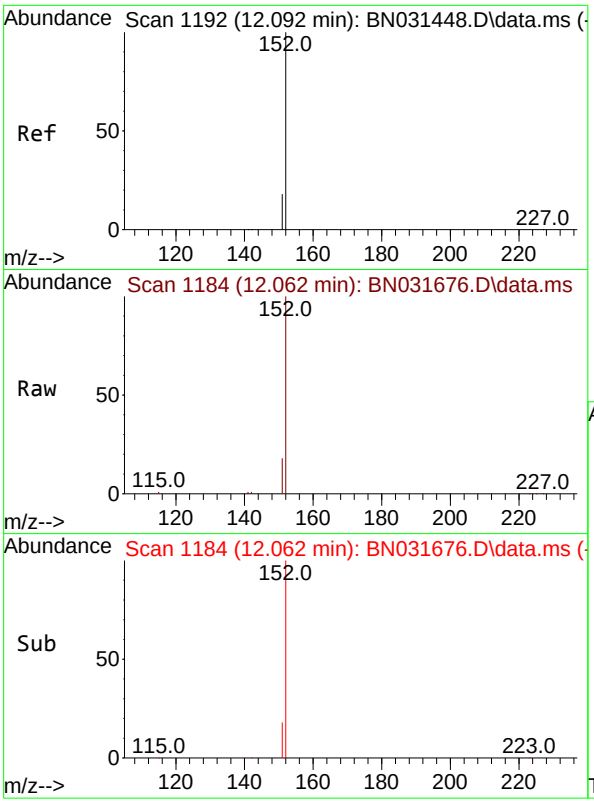


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.805 min Scan# 972
Delta R.T. -0.032 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:225 Resp: 7585

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.7	76.1



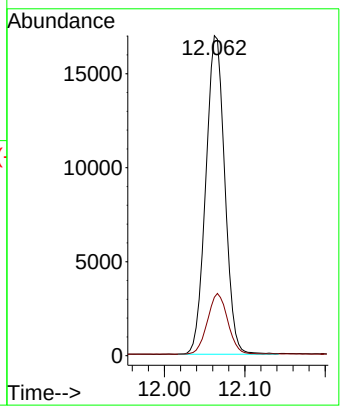


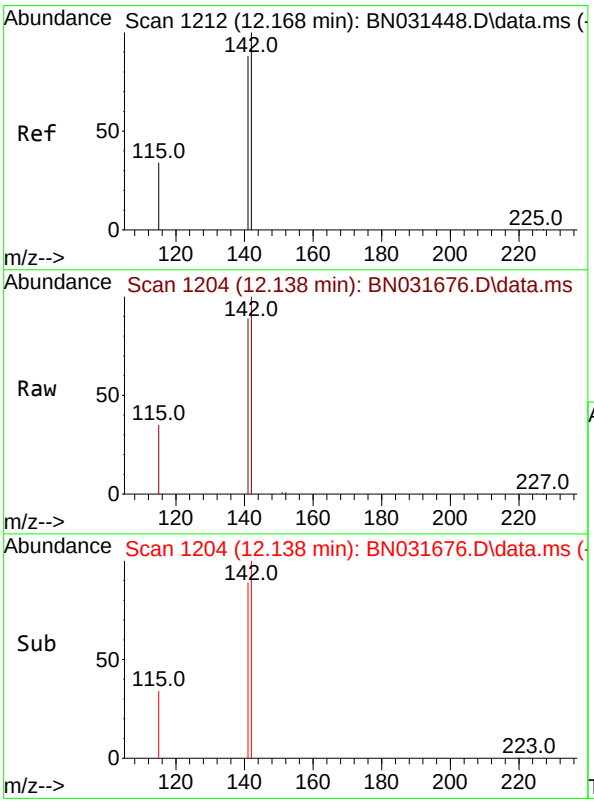
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.062 min Scan# 11
Delta R.T. -0.030 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:152 Resp: 27762

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

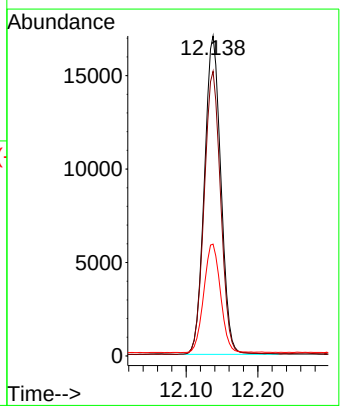


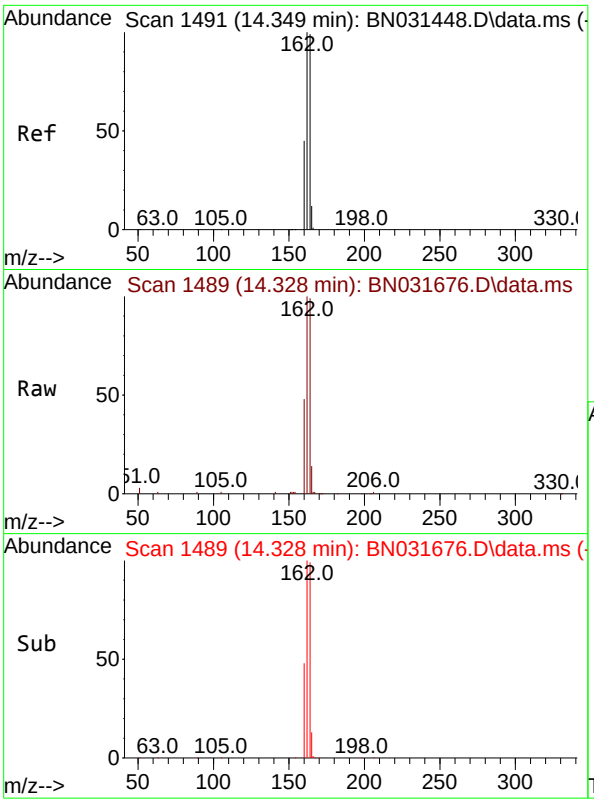


#12
2-Methylnaphthalene
Concen: 0.295 ng
RT: 12.138 min Scan# 1204
Delta R.T. -0.030 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:142 Resp: 27362

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	35.0	30.2	45.2



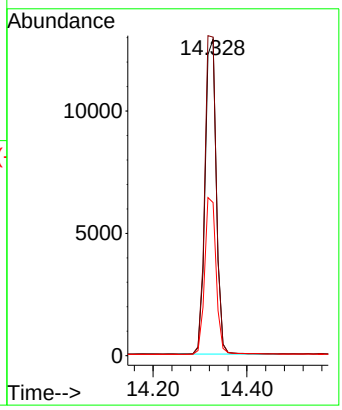


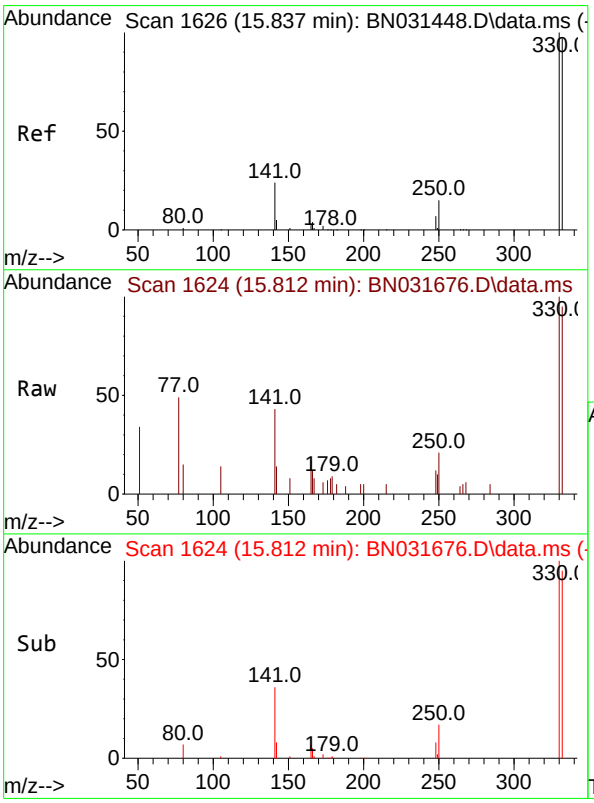
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.328 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:164 Resp: 21336

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.2	121.8
160	48.4	37.0	55.6

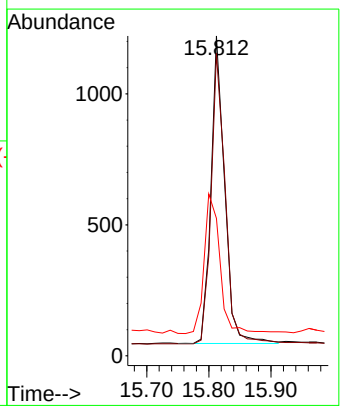


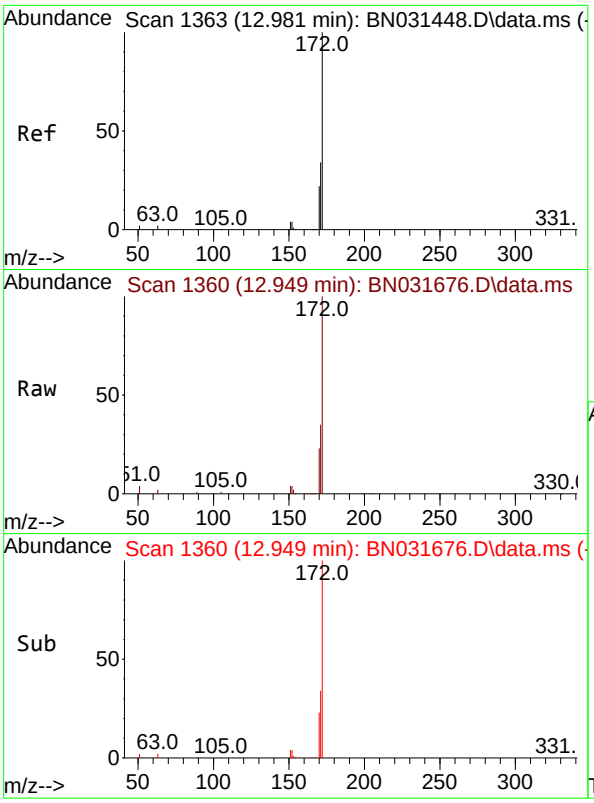


#14
2,4,6-Tribromophenol
Concen: 0.223 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:330 Resp: 1802

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	52.4	37.0	55.4



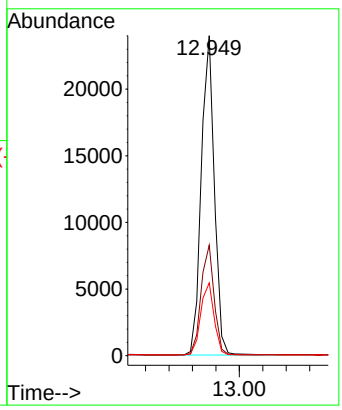


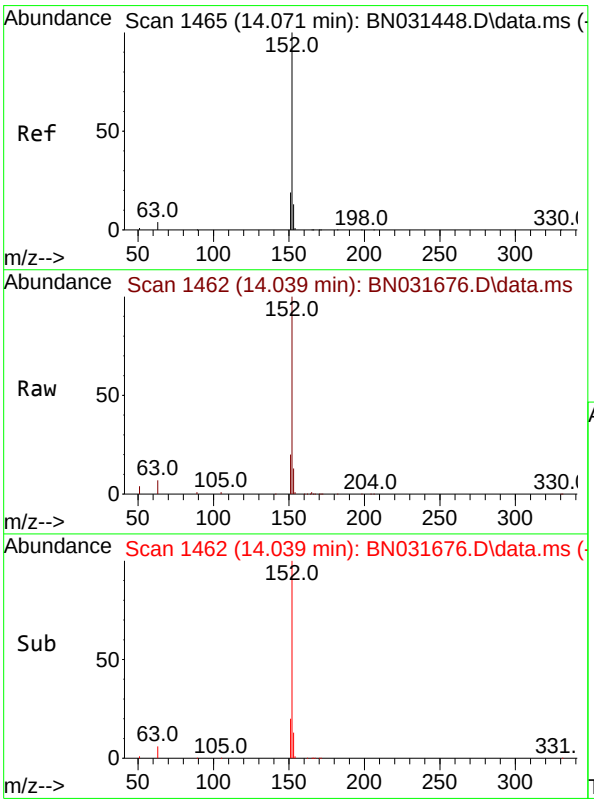
#15
2-Fluorobiphenyl
Concen: 0.453 ng
RT: 12.949 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:172 Resp: 37272

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.8
170	22.8	18.3	27.5

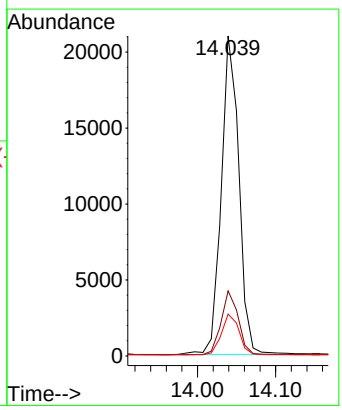


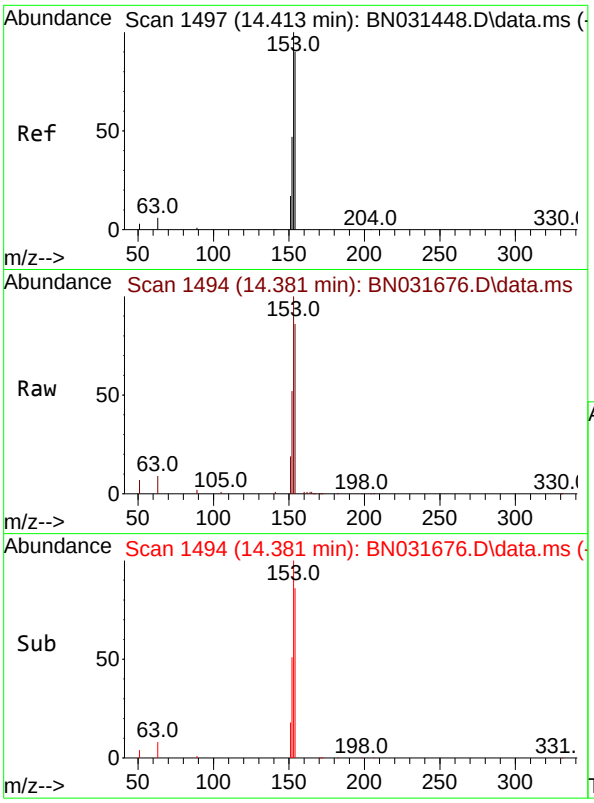


#16
Acenaphthylene
Concen: 0.305 ng
RT: 14.039 min Scan# 1462
Delta R.T. -0.032 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:152 Resp: 32705

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	12.9	10.5	15.7



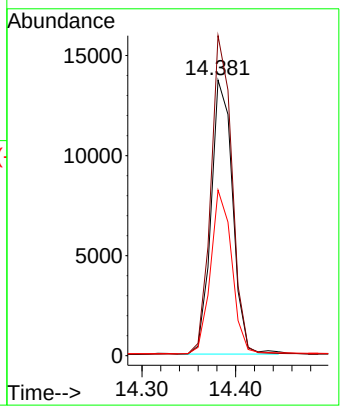


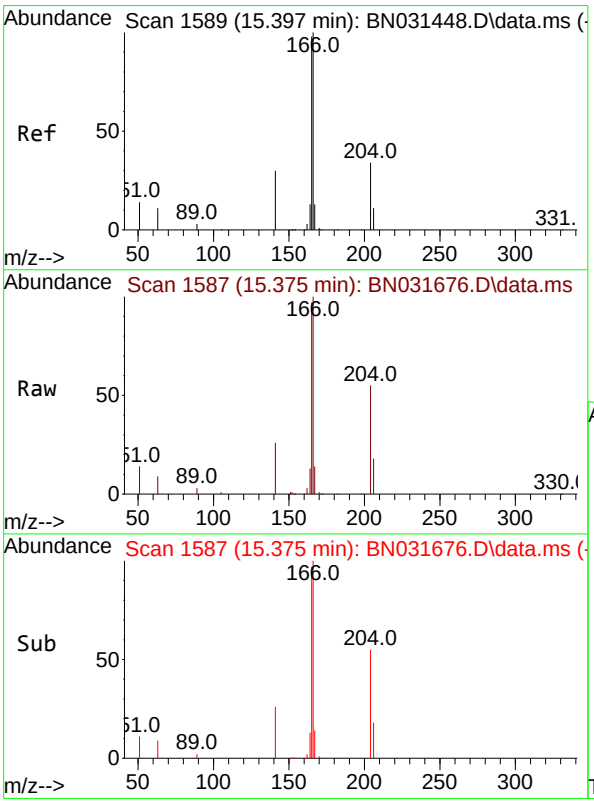
#17
Acenaphthene
Concen: 0.329 ng
RT: 14.381 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:154 Resp: 21993

Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.1	133.7
152	58.6	42.6	64.0

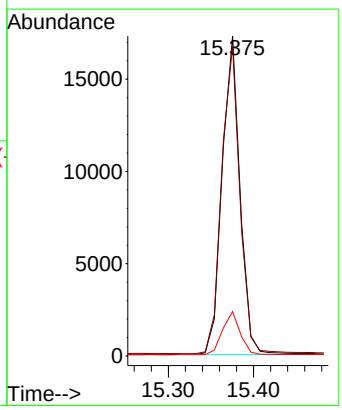


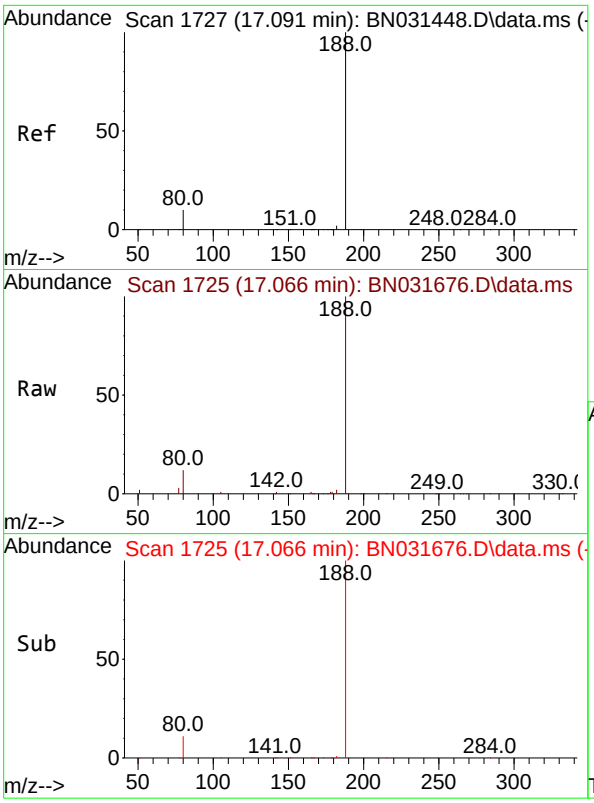


#18
Fluorene
Concen: 0.287 ng
RT: 15.375 min Scan# 1587
Delta R.T. -0.021 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:166 Resp: 25102

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.2
167	13.4	10.8	16.2



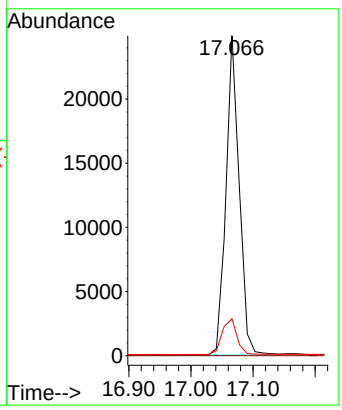


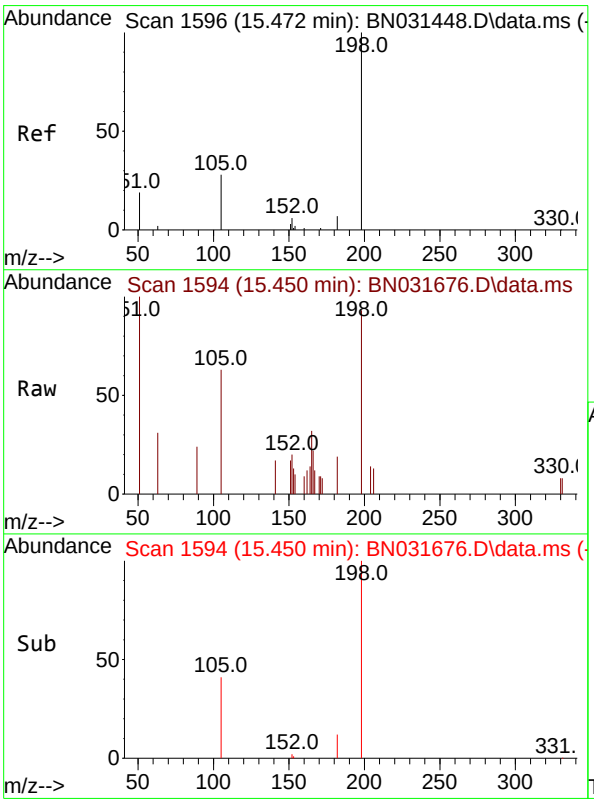
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:188 Resp: 36770

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	9.6	14.4

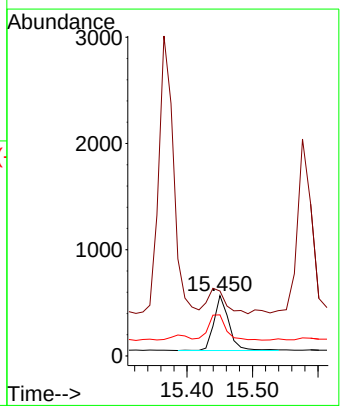


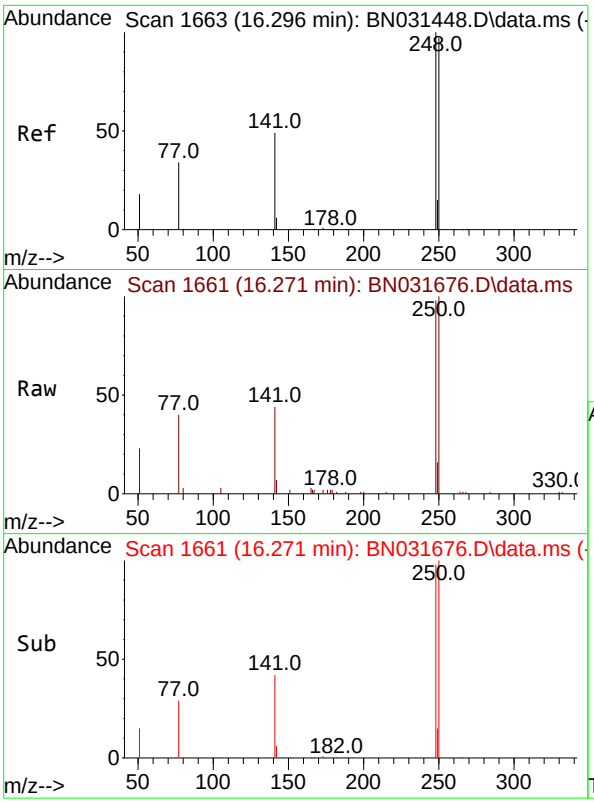


#20
4,6-Dinitro-2-methylphenol
Concen: 0.278 ng
RT: 15.450 min Scan# 1594
Delta R.T. -0.021 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:198 Resp: 835

Ion	Ratio	Lower	Upper
198	100		
51	107.7	78.3	117.5
105	68.3	117.2	175.8#



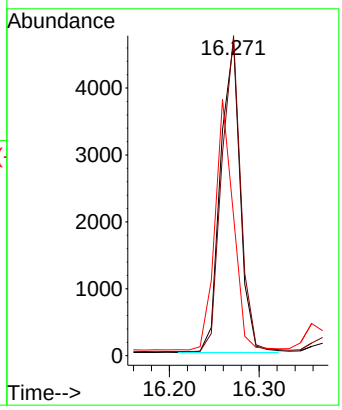


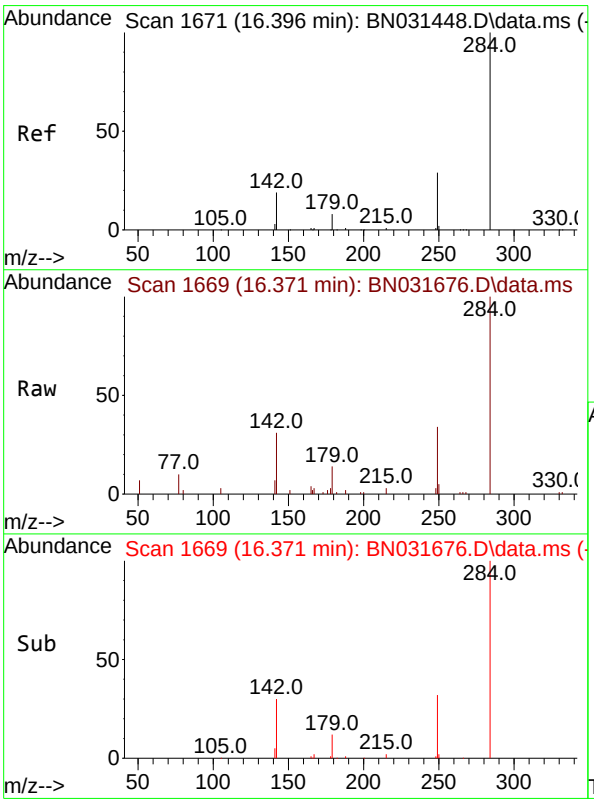
#21
4-Bromophenyl-phenylether
Concen: 0.330 ng
RT: 16.271 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:248 Resp: 7116

Ion	Ratio	Lower	Upper
248	100		
250	101.9	77.9	116.9
141	44.5	43.4	65.2

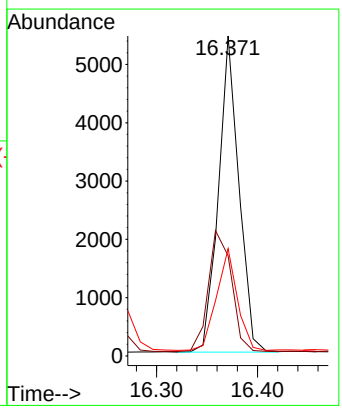


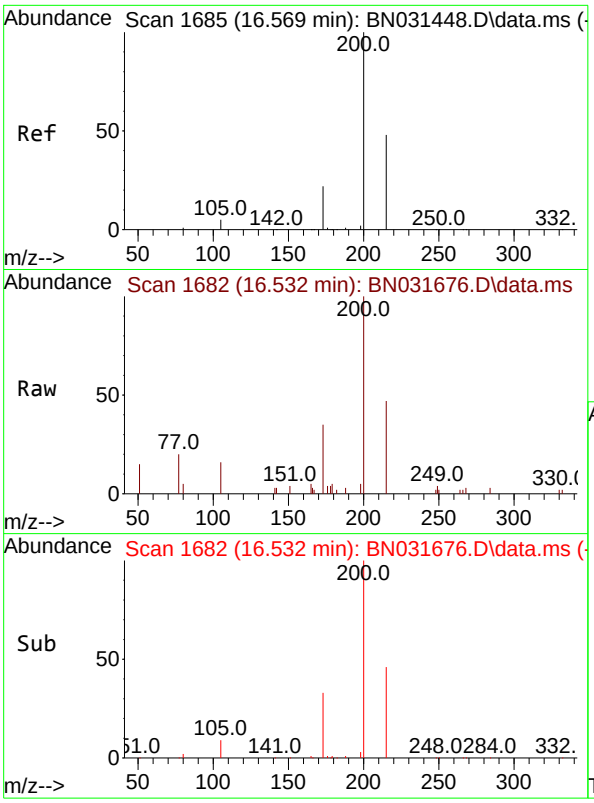


#22
Hexachlorobenzene
Concen: 0.352 ng
RT: 16.371 min Scan# 1669
Delta R.T. -0.025 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:284 Resp: 7640

Ion	Ratio	Lower	Upper
284	100		
142	43.1	31.0	46.6
249	32.6	25.5	38.3



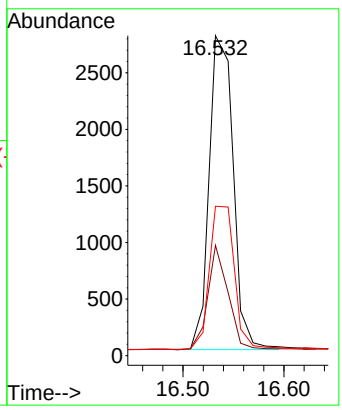


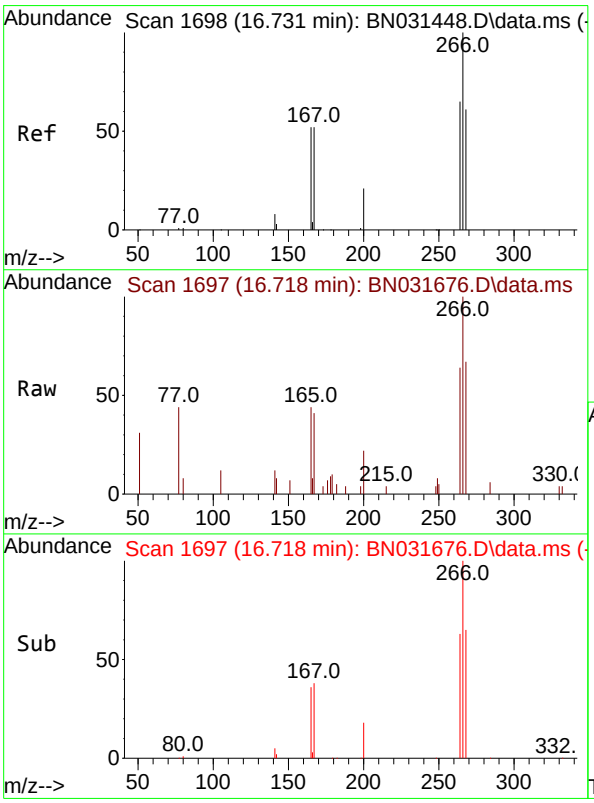
#23
Atrazine
Concen: 0.235 ng
RT: 16.532 min Scan# 1
Delta R.T. -0.037 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:200 Resp: 4595

Ion	Ratio	Lower	Upper
200	100		
173	34.5	19.6	29.4#
215	46.7	39.8	59.8

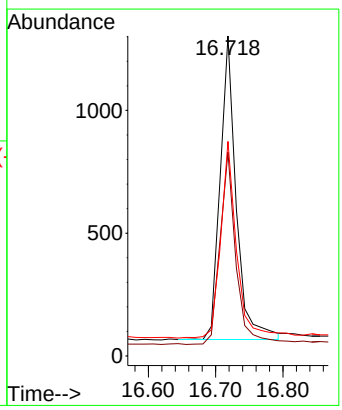


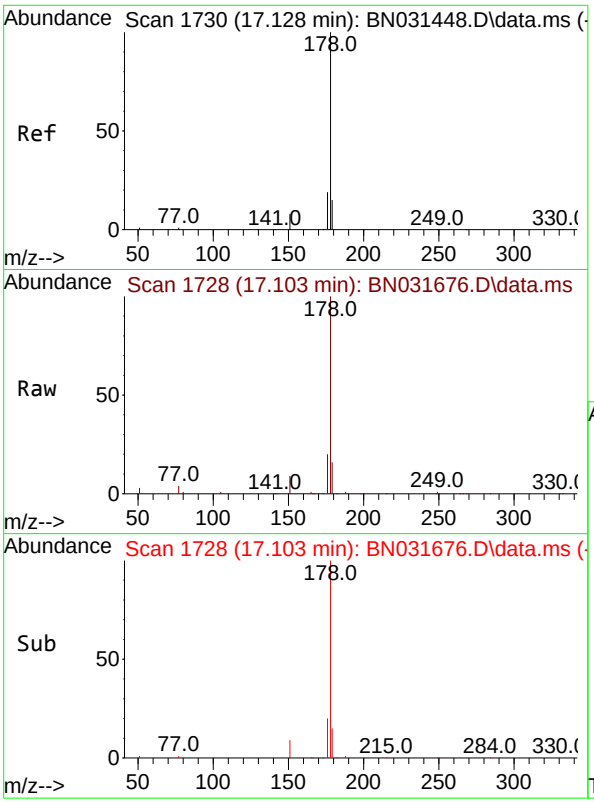


#24
Pentachlorophenol
Concen: 0.266 ng
RT: 16.718 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:266 Resp: 2040

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.6	75.8
268	64.9	49.0	73.4



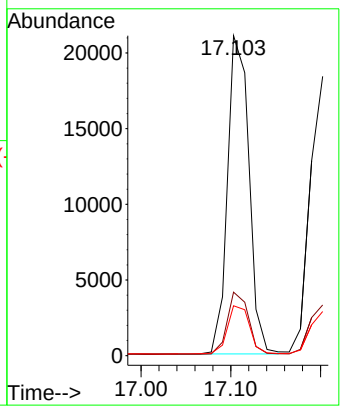


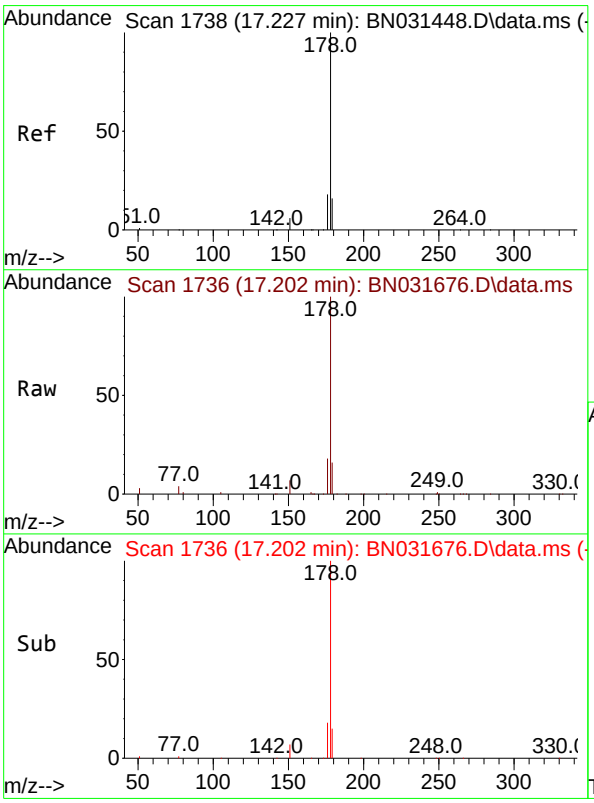
#25
Phenanthrene
Concen: 0.339 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:178 Resp: 34936

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.3	18.5

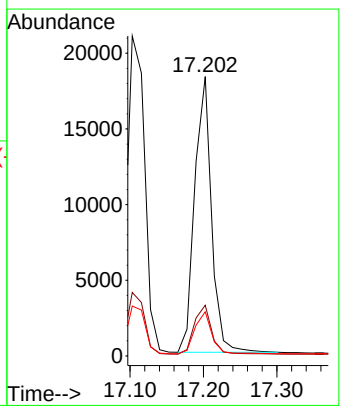


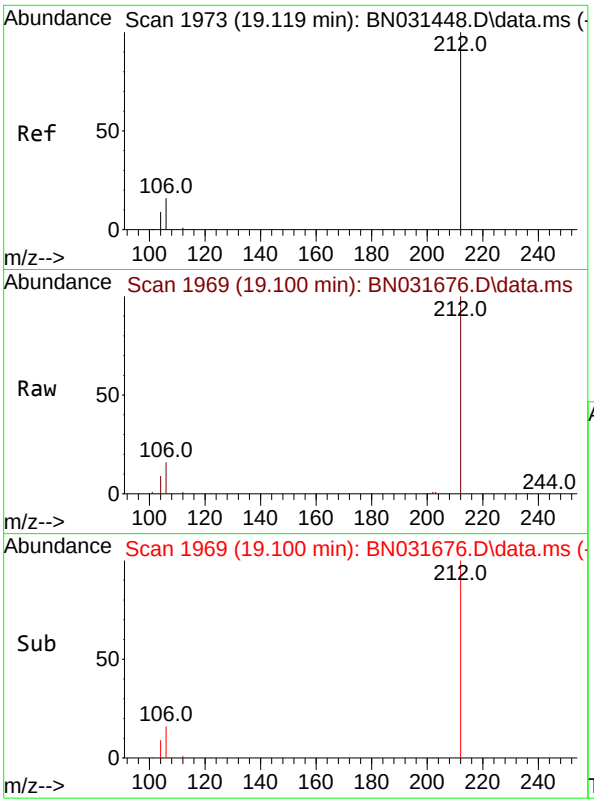


#26
Anthracene
Concen: 0.284 ng
RT: 17.202 min Scan# 1736
Delta R.T. -0.025 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:178 Resp: 28968

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.2	12.4	18.6



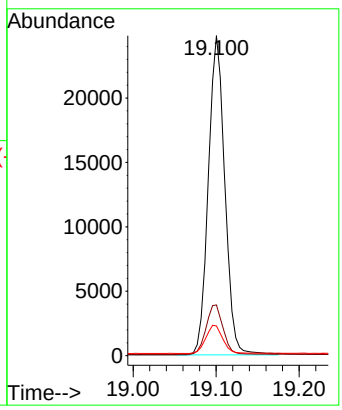


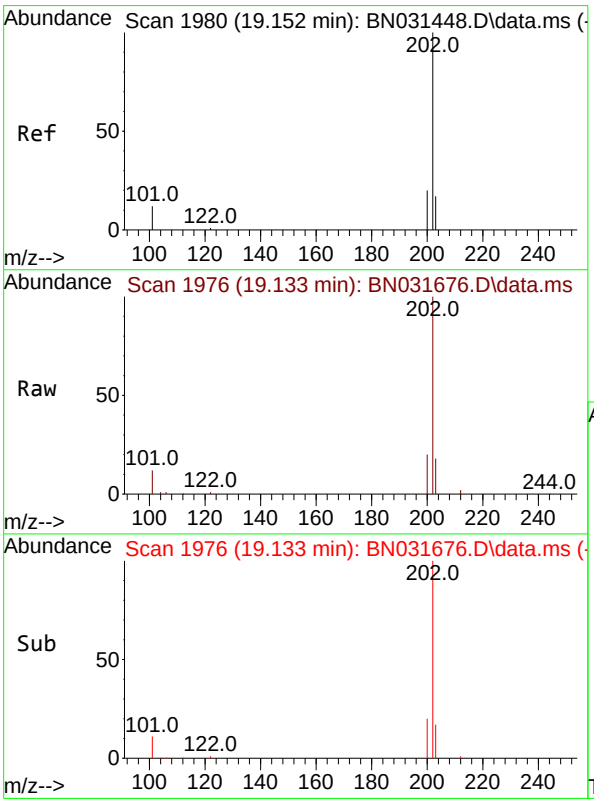
#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.100 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:212 Resp: 34268

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.0	18.0
104	9.0	6.9	10.3

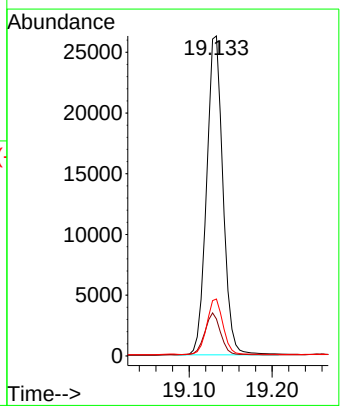


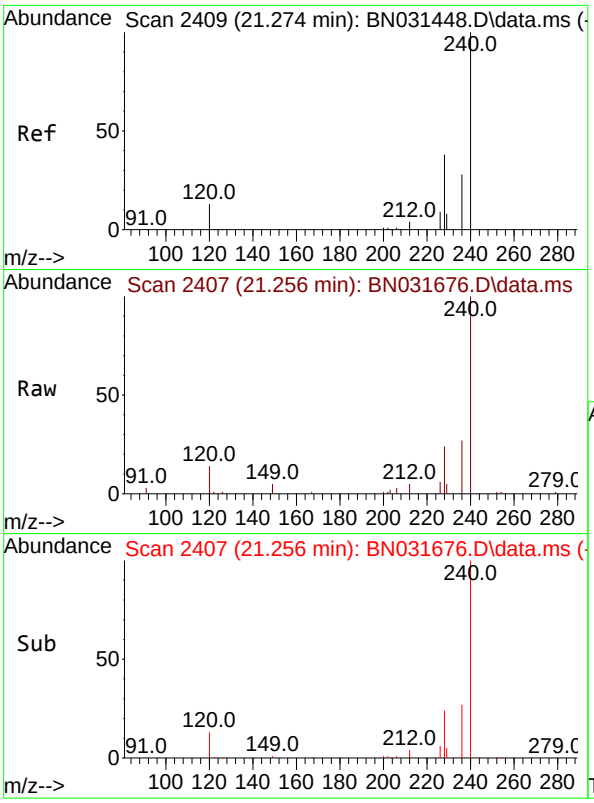


#28
Fluoranthene
Concen: 0.288 ng
RT: 19.133 min Scan# 1976
Delta R.T. -0.019 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:202 Resp: 36031

Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.8	14.6
203	17.2	13.8	20.8



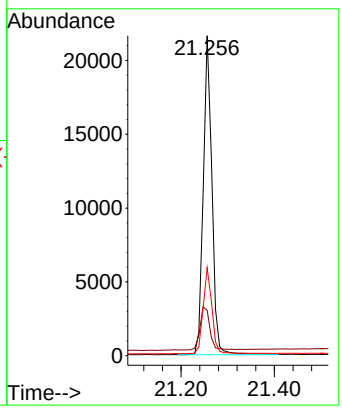


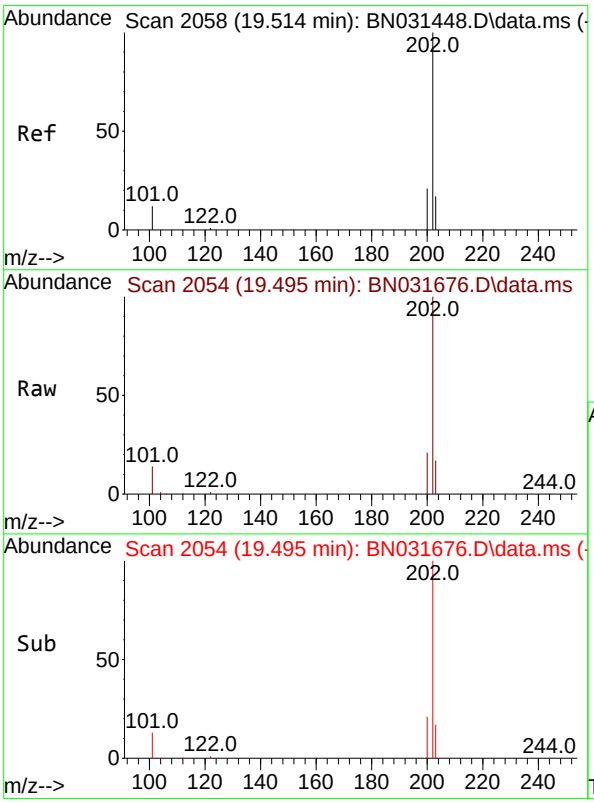
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.256 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:240 Resp: 28006

Ion	Ratio	Lower	Upper
240	100		
120	14.2	11.4	17.2
236	27.5	22.2	33.4

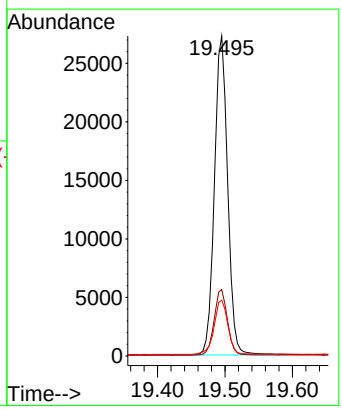


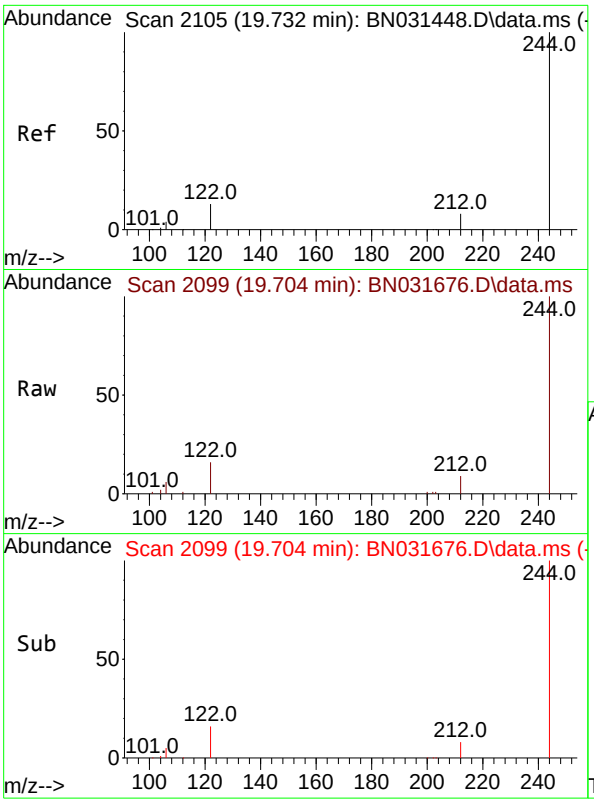


#30
Pyrene
Concen: 0.327 ng
RT: 19.495 min Scan# 2054
Delta R.T. -0.019 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:202 Resp: 37103

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.8	14.3	21.5



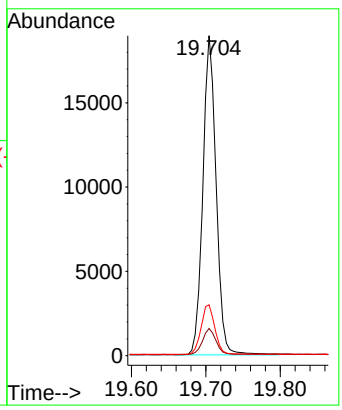


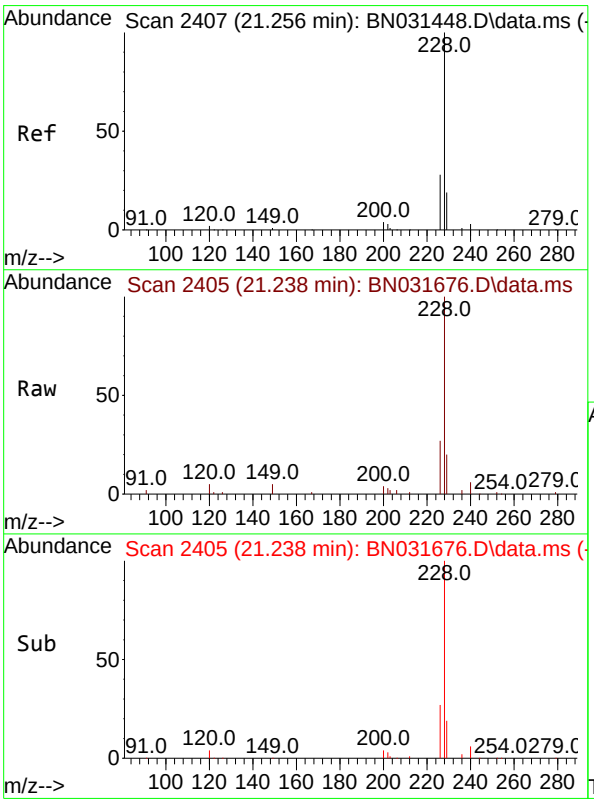
#31
Terphenyl-d14
Concen: 0.343 ng
RT: 19.704 min Scan# 2
Delta R.T. -0.028 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:244 Resp: 23471

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	15.9	11.4	17.2

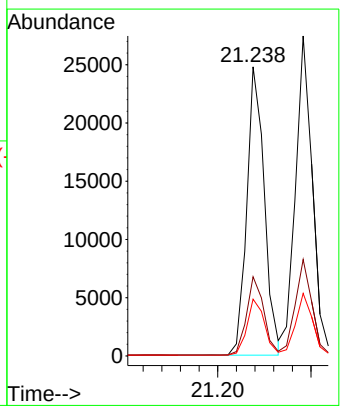


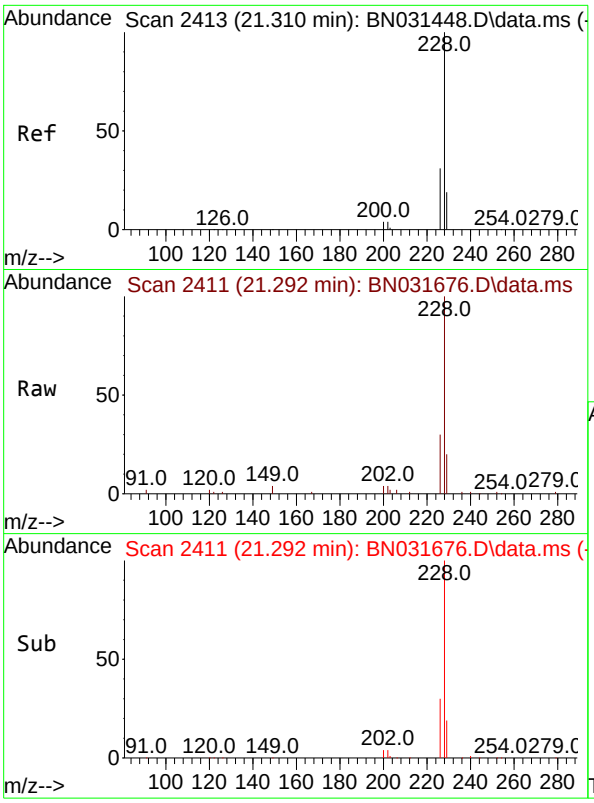


#32
Benzo(a)anthracene
Concen: 0.299 ng
RT: 21.238 min Scan# 2405
Delta R.T. -0.018 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:228 Resp: 32325

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.4	33.6
229	19.7	15.5	23.3



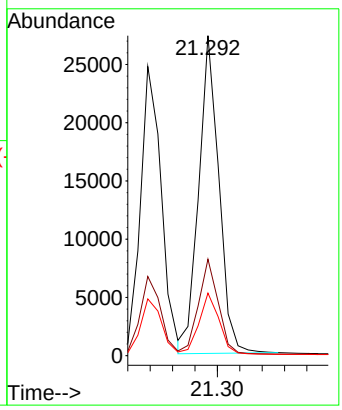


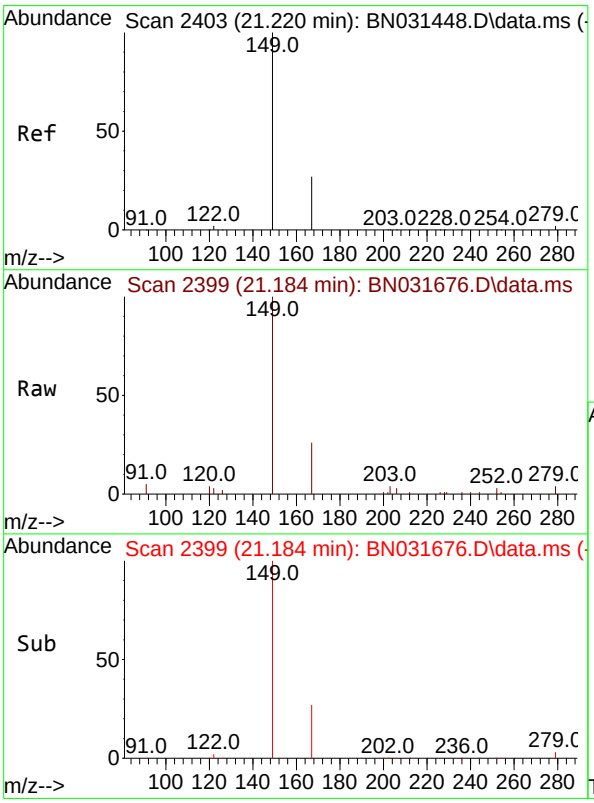
#33
Chrysene
Concen: 0.332 ng
RT: 21.292 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:228 Resp: 34121

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.5	15.8	23.8

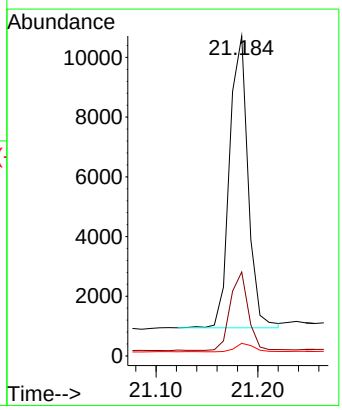


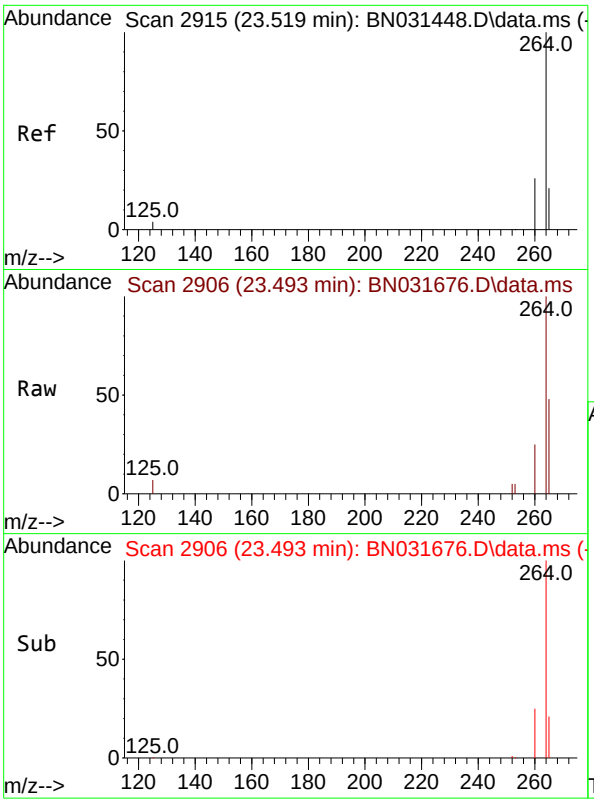


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.195 ng
RT: 21.184 min Scan# 2399
Delta R.T. -0.036 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:149 Resp: 12327

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.1	33.1
279	3.0	2.7	4.1



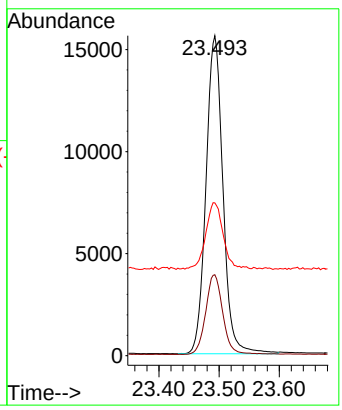


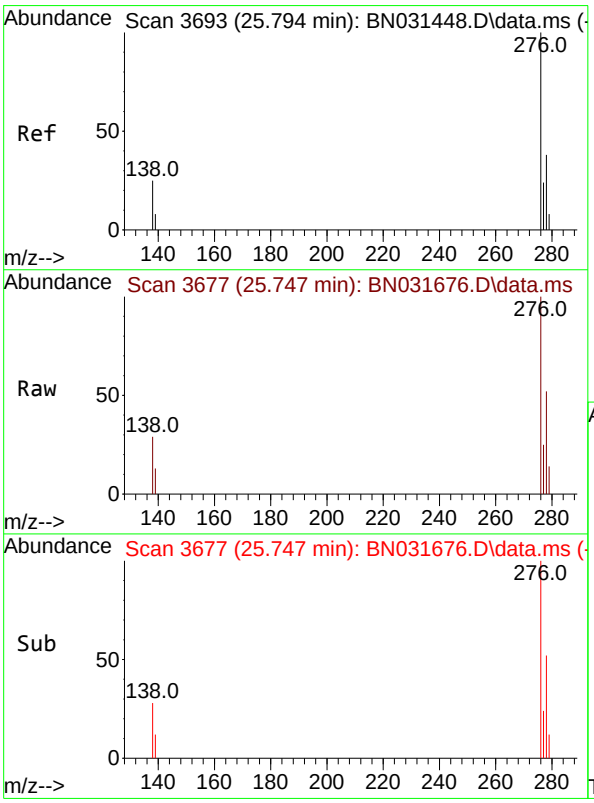
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.493 min Scan# 2
Delta R.T. -0.026 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:264 Resp: 30525

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	31.0
265	47.7	24.0	36.0#

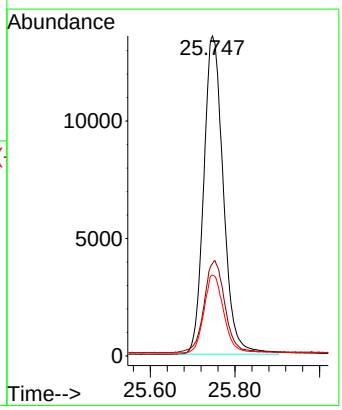


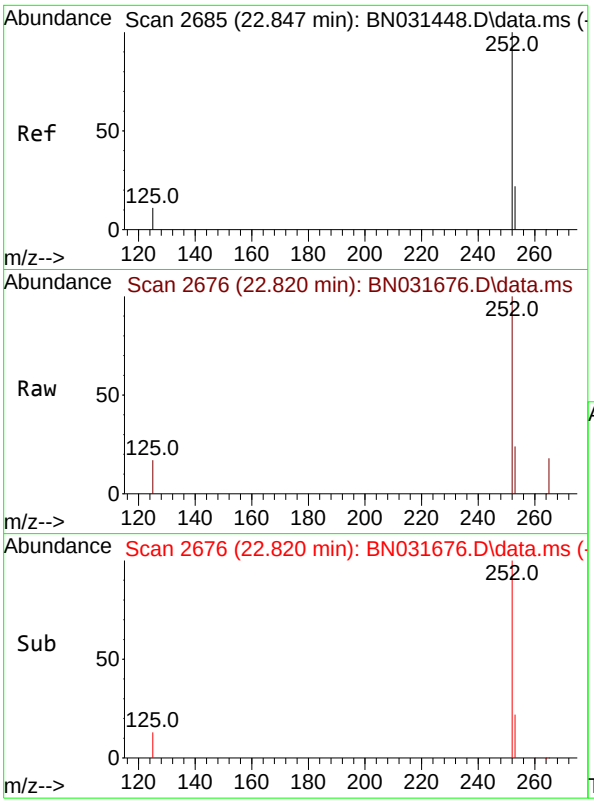


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng
RT: 25.747 min Scan# 3677
Delta R.T. -0.047 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:276 Resp: 43557

Ion	Ratio	Lower	Upper
276	100		
138	30.6	23.0	34.6
277	24.6	19.9	29.9



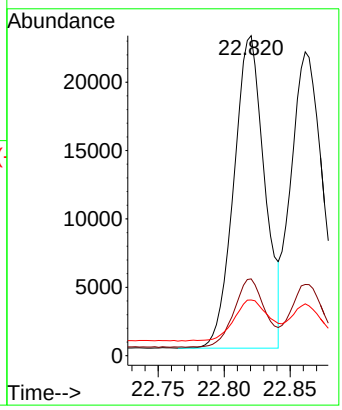


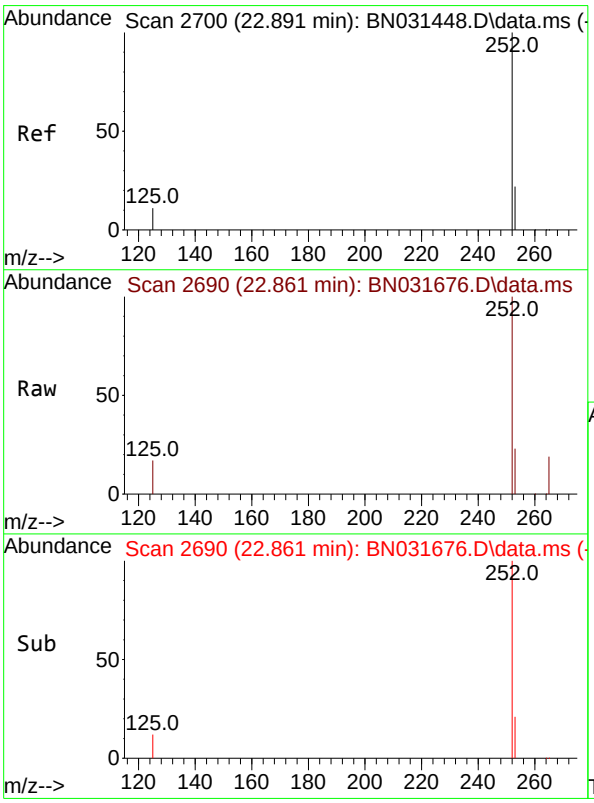
#37
Benzo(b)fluoranthene
Concen: 0.339 ng
RT: 22.820 min Scan# 2
Delta R.T. -0.026 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:252 Resp: 37100

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	17.4	10.5	15.7#

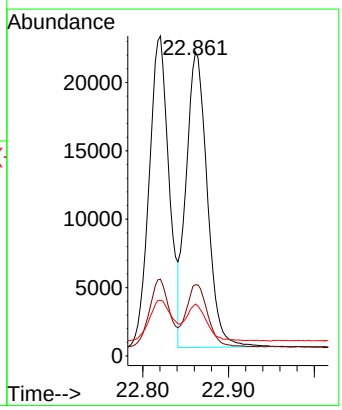


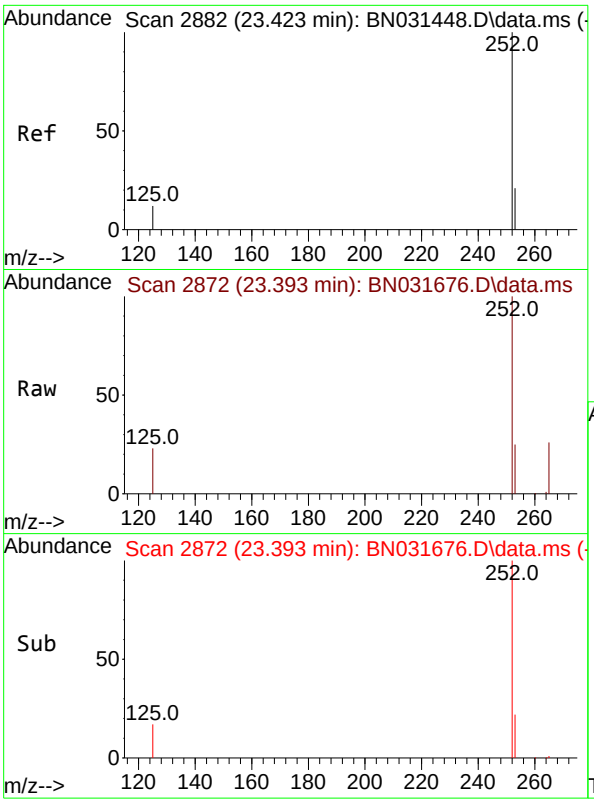


#38
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 22.861 min Scan# 2690
Delta R.T. -0.029 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:252 Resp: 36901

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	17.0	11.0	16.6#



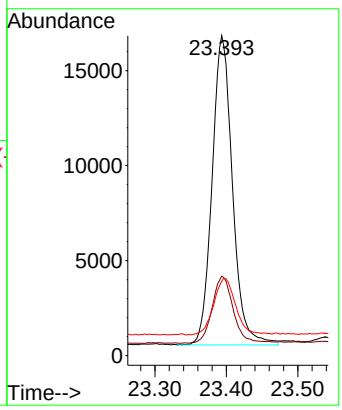


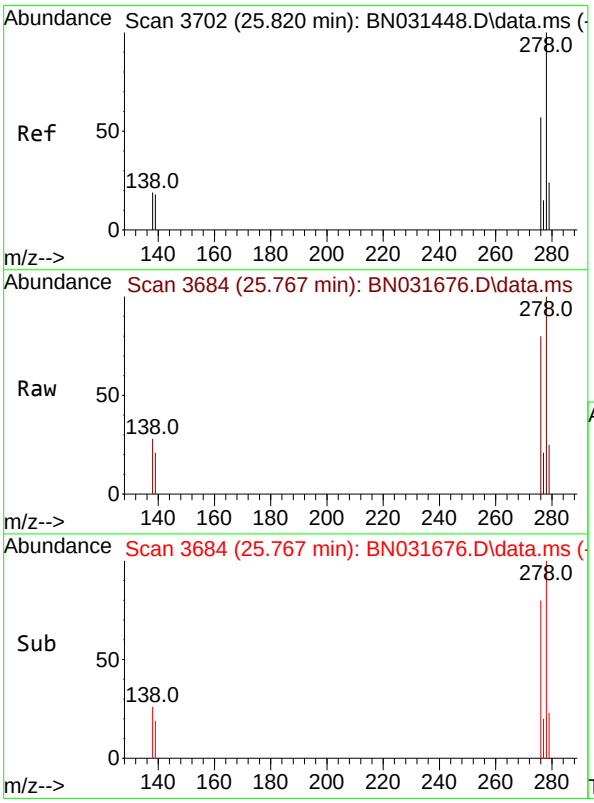
#39
Benzo(a)pyrene
Concen: 0.339 ng
RT: 23.393 min Scan# 2
Delta R.T. -0.029 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:252 Resp: 32272

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	23.3	11.9	17.9#

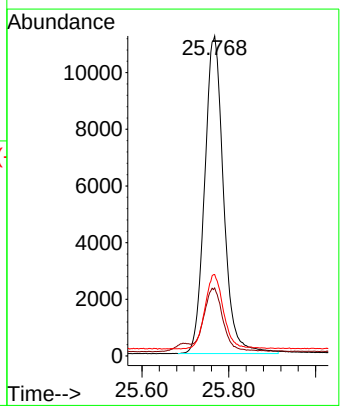


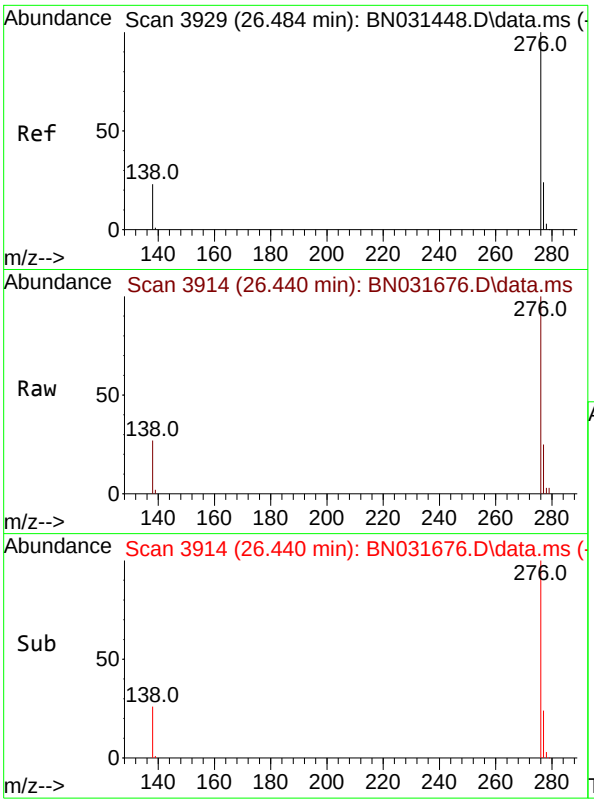


#40
Dibenzo(a,h)anthracene
Concen: 0.352 ng
RT: 25.767 min Scan# 3684
Delta R.T. -0.053 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Tgt Ion:278 Resp: 33953

Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	25.5	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.353 ng
RT: 26.440 min Scan# 3
Delta R.T. -0.044 min
Lab File: BN031676.D
Acq: 28 May 2024 15:18

Instrument :
BNA_N
ClientSampleId :
PB160989BSD

Tgt Ion:276 Resp: 36590

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.0
138	27.4	20.4	30.6