Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031671.D
Acq On : 28 May 2024 12:16
Operator : MA/JU
Sample : PB161112BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Quant Time: May 28 12:45:20 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

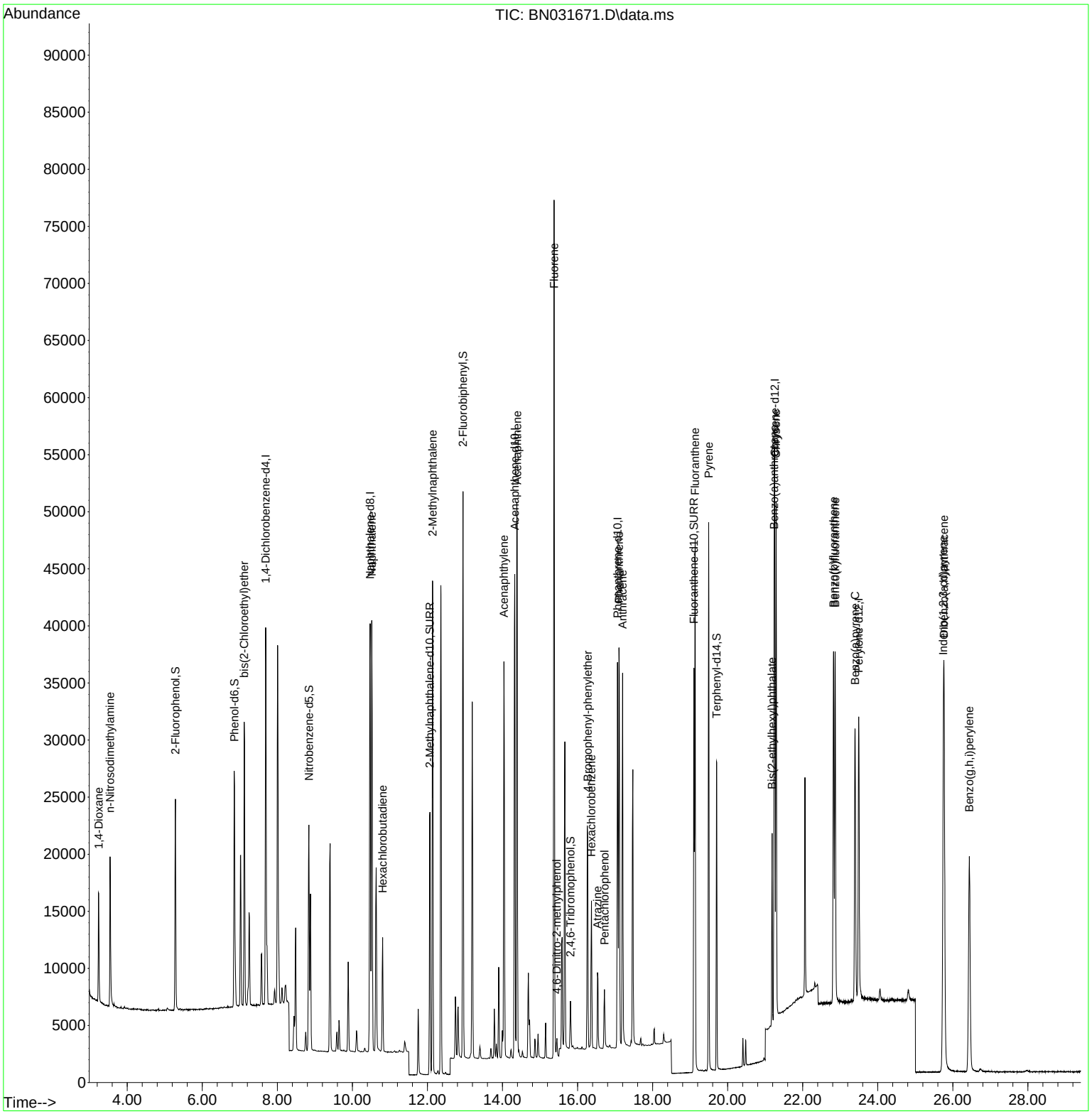
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	16089	0.400	ng	-0.03
7) Naphthalene-d8	10.474	136	52229	0.400	ng	#-0.02
13) Acenaphthene-d10	14.327	164	25662	0.400	ng	-0.02
19) Phenanthrene-d10	17.066	188	43405	0.400	ng	-0.03
29) Chrysene-d12	21.256	240	30300	0.400	ng	-0.02
35) Perylene-d12	23.493	264	33394	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	15181	0.332	ng	-0.01
5) Phenol-d6	6.859	99	20117	0.327	ng	-0.01
8) Nitrobenzene-d5	8.841	82	16390	0.437	ng	-0.02
11) 2-Methylnaphthalene-d10	12.066	152	31192	0.371	ng	-0.03
14) 2,4,6-Tribromophenol	15.812	330	2293	0.235	ng	-0.03
15) 2-Fluorobiphenyl	12.948	172	43004	0.435	ng	-0.03
27) Fluoranthene-d10	19.100	212	39141	0.325	ng	-0.02
31) Terphenyl-d14	19.709	244	26863	0.362	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	6997	0.354	ng	# 85
3) n-Nitrosodimethylamine	3.544	42	6560	0.336	ng	# 98
6) bis(2-Chloroethyl)ether	7.119	93	18184	0.339	ng	97
9) Naphthalene	10.517	128	49307	0.340	ng	96
10) Hexachlorobutadiene	10.805	225	7855	0.309	ng	# 100
12) 2-Methylnaphthalene	12.137	142	30797	0.311	ng	99
16) Acenaphthylene	14.039	152	39516	0.306	ng	100
17) Acenaphthene	14.392	154	26319	0.327	ng	97
18) Fluorene	15.375	166	30847	0.293	ng	100
20) 4,6-Dinitro-2-methylph...	15.450	198	1143	0.322	ng	# 54
21) 4-Bromophenyl-phenylether	16.271	248	8834	0.347	ng	93
22) Hexachlorobenzene	16.371	284	9420	0.367	ng	97
23) Atrazine	16.532	200	5823	0.252	ng	# 89
24) Pentachlorophenol	16.718	266	2649	0.292	ng	98
25) Phenanthrene	17.103	178	41524	0.342	ng	100
26) Anthracene	17.202	178	35124	0.292	ng	100
28) Fluoranthene	19.133	202	41304	0.280	ng	99
30) Pyrene	19.495	202	41782	0.341	ng	100
32) Benzo(a)anthracene	21.238	228	35432	0.303	ng	100
33) Chrysene	21.291	228	37027	0.333	ng	99
34) Bis(2-ethylhexyl)phtha...	21.184	149	14977	0.219	ng	98
36) Indeno(1,2,3-cd)pyrene	25.750	276	45430	0.341	ng	98
37) Benzo(b)fluoranthene	22.823	252	39666	0.331	ng	# 95
38) Benzo(k)fluoranthene	22.867	252	38584	0.340	ng	97
39) Benzo(a)pyrene	23.393	252	34672	0.333	ng	# 91
40) Dibenzo(a,h)anthracene	25.767	278	35657	0.338	ng	98
41) Benzo(g,h,i)perylene	26.440	276	38760	0.342	ng	98

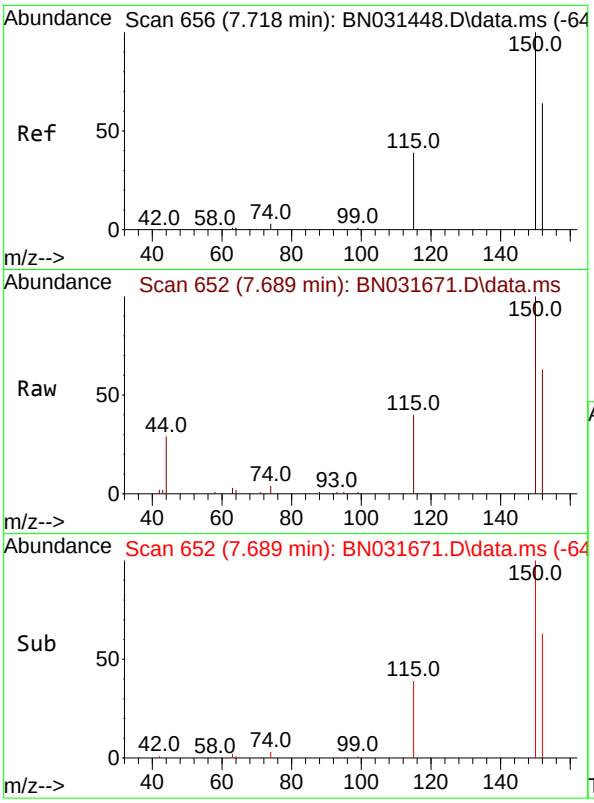
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031671.D
Acq On : 28 May 2024 12:16
Operator : MA/JU
Sample : PB161112BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Quant Time: May 28 12:45:20 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



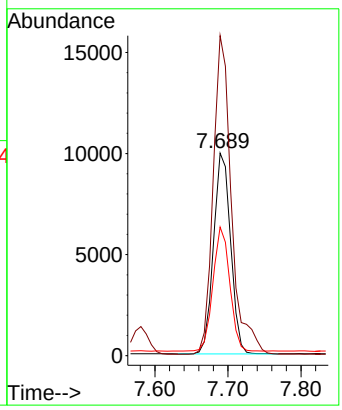


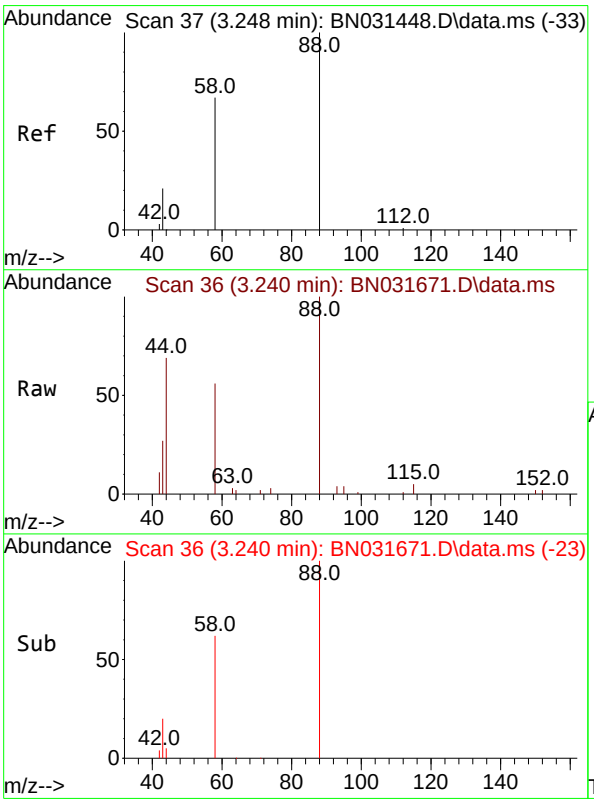
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:152 Resp: 16089

Ion	Ratio	Lower	Upper
152	100		
150	158.0	119.3	178.9
115	63.5	54.8	82.2

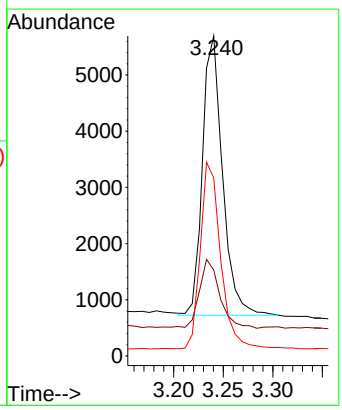


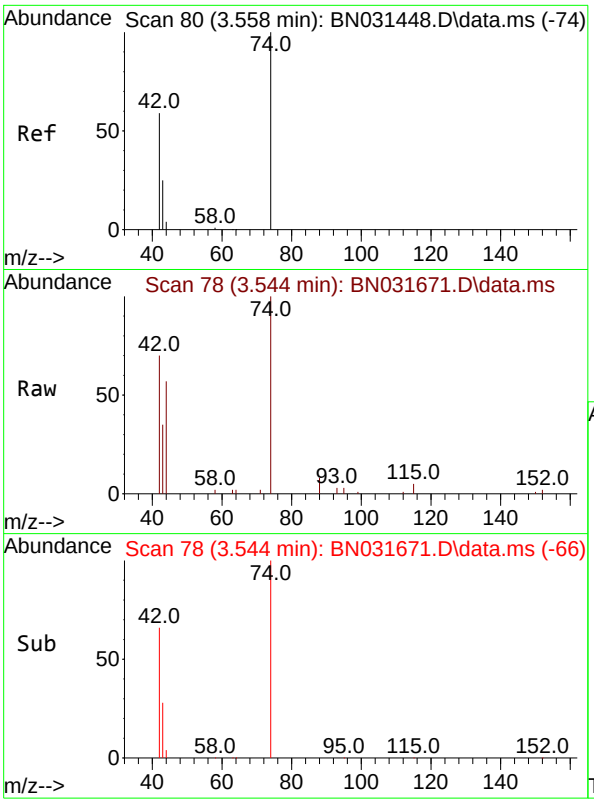


#2
1,4-Dioxane
Concen: 0.354 ng
RT: 3.240 min Scan# 36
Delta R.T. -0.008 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion: 88 Resp: 6997

Ion	Ratio	Lower	Upper
88	100		
43	24.9	39.0	58.6#
58	68.0	54.9	82.3



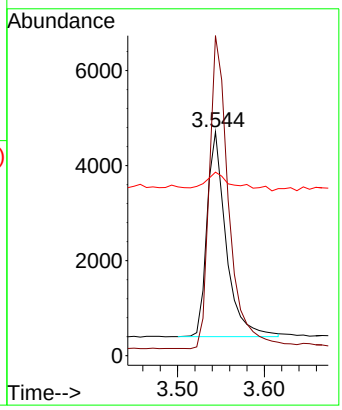


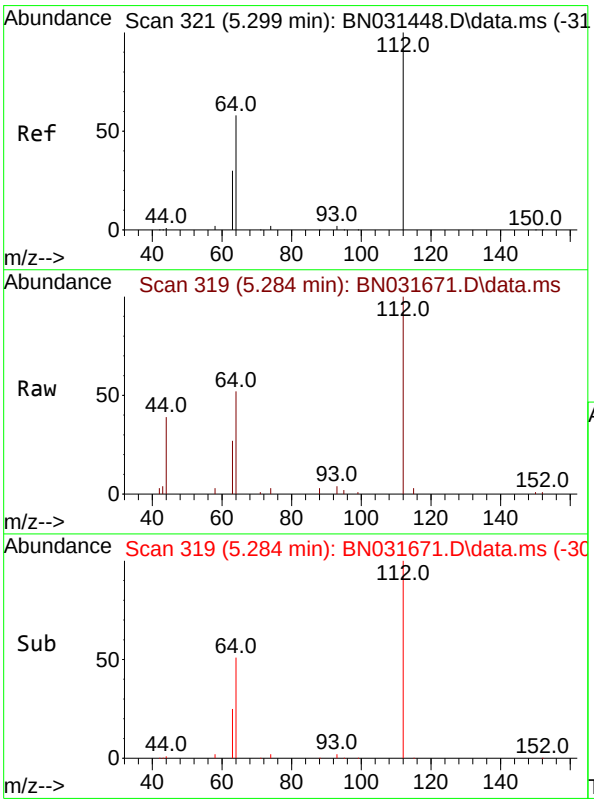
#3
n-Nitrosodimethylamine
Concen: 0.336 ng
RT: 3.544 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion: 42 Resp: 6560

Ion	Ratio	Lower	Upper
42	100		
74	155.6	126.4	189.6
44	12.9	6.9	10.3#

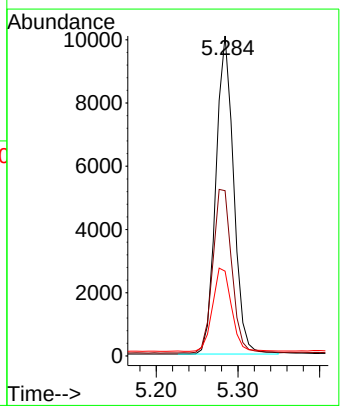


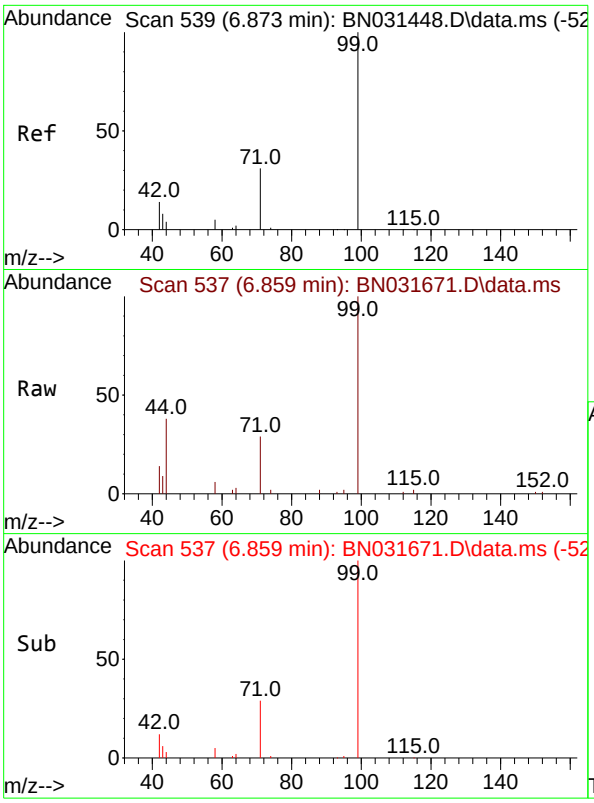


#4
2-Fluorophenol
Concen: 0.332 ng
RT: 5.284 min Scan# 319
Delta R.T. -0.015 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:112 Resp: 15181

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.0	66.0
63	27.8	22.2	33.4



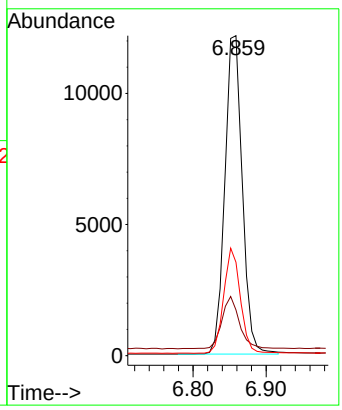


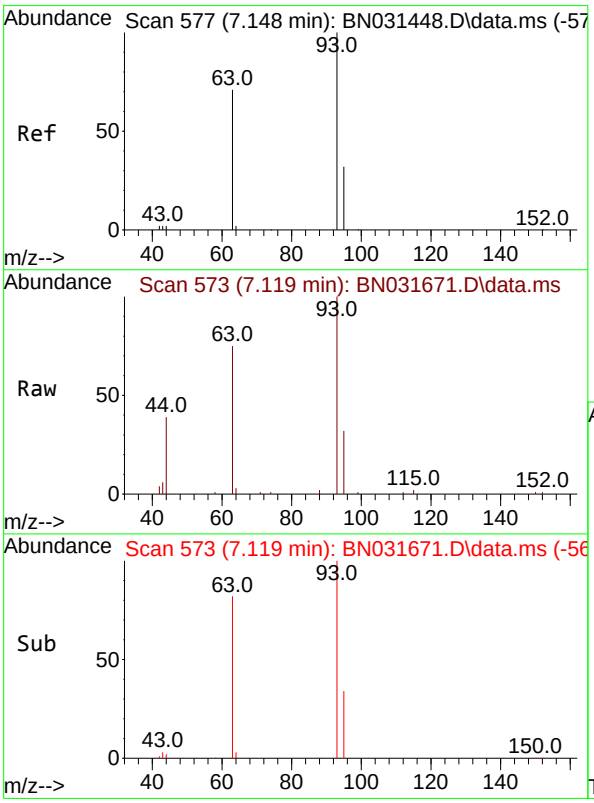
#5
Phenol-d6
Concen: 0.327 ng
RT: 6.859 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion: 99 Resp: 20117

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.5	20.3
71	31.6	26.1	39.1

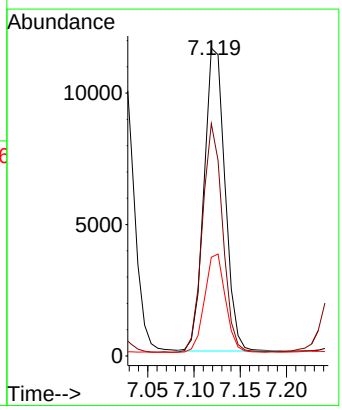


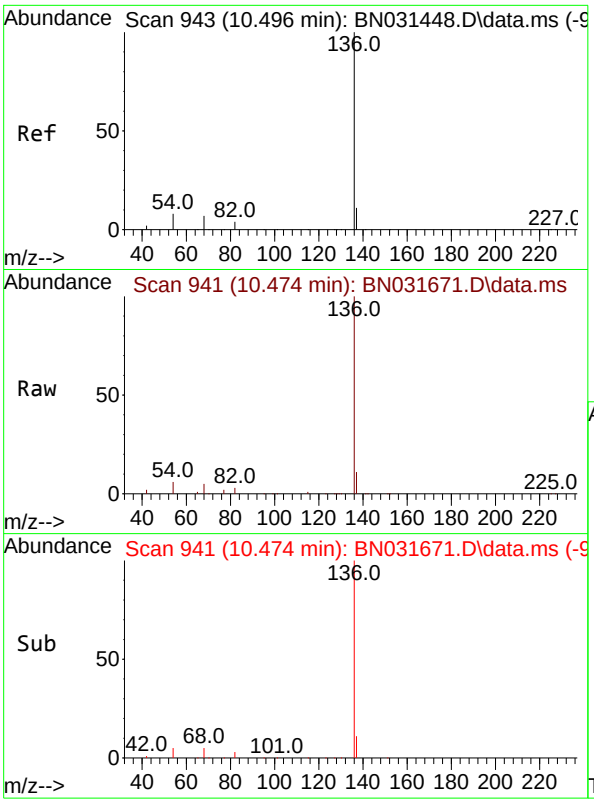


#6
bis(2-Chloroethyl)ether
Concen: 0.339 ng
RT: 7.119 min Scan# 573
Delta R.T. -0.029 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion: 93 Resp: 18184

Ion	Ratio	Lower	Upper
93	100		
63	72.8	56.6	85.0
95	32.2	27.3	40.9



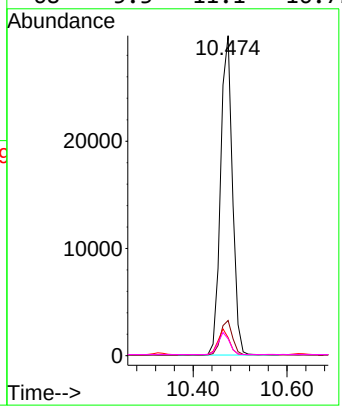


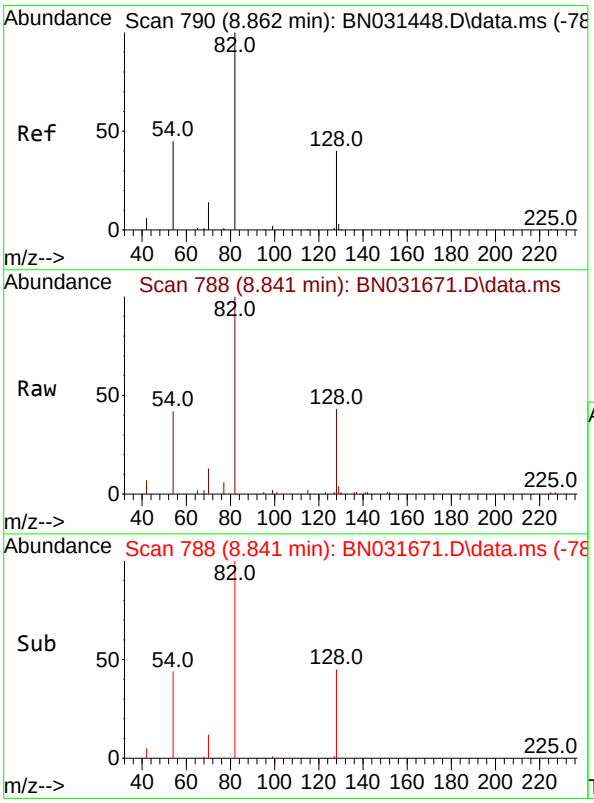
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.474 min Scan# 94
Delta R.T. -0.022 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:136 Resp: 52229

Ion	Ratio	Lower	Upper
136	100		
137	11.0	10.1	15.1
54	5.7	10.5	15.7#
68	5.3	11.1	16.7#

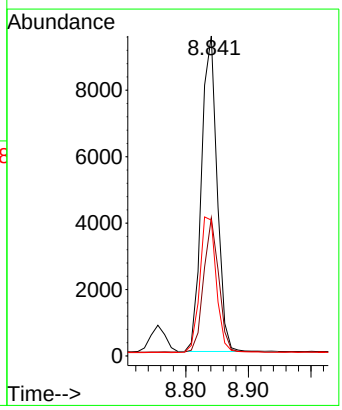


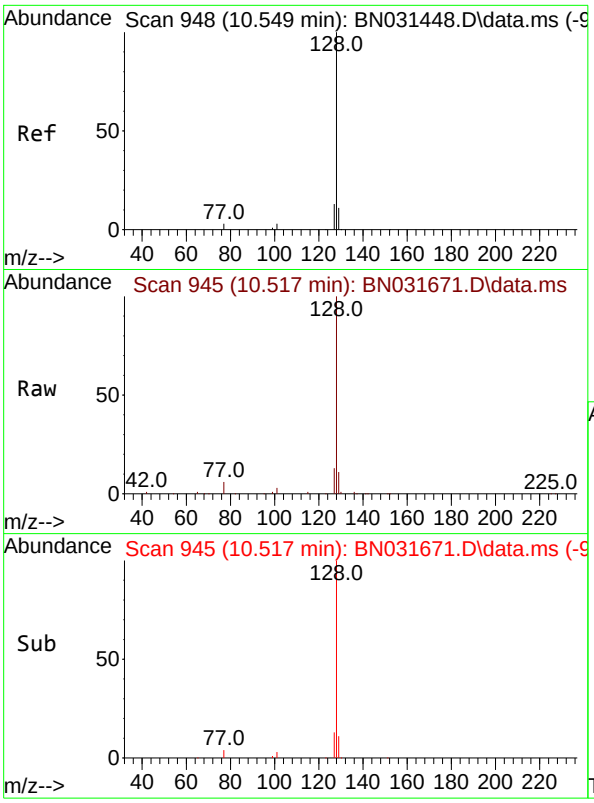


#8
Nitrobenzene-d5
Concen: 0.437 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.022 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion: 82 Resp: 16390

Ion	Ratio	Lower	Upper
82	100		
128	43.1	29.0	43.6
54	42.4	37.2	55.8



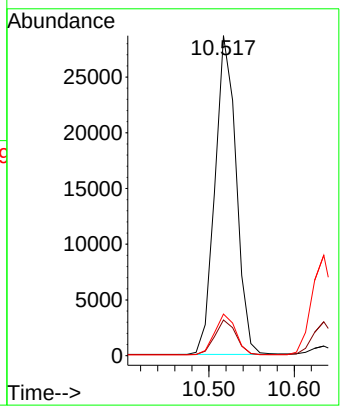


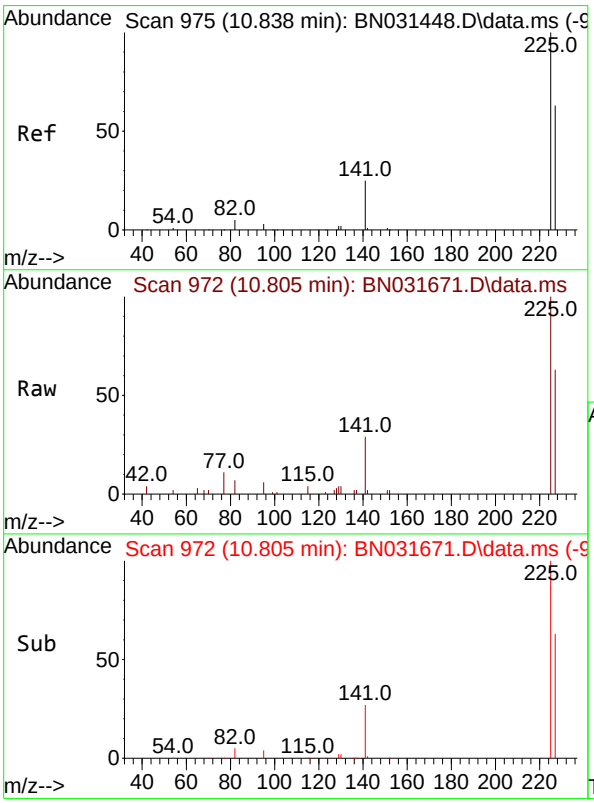
#9
Naphthalene
Concen: 0.340 ng
RT: 10.517 min Scan# 94
Delta R.T. -0.032 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:128 Resp: 49307

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.4
127	13.0	11.7	17.5

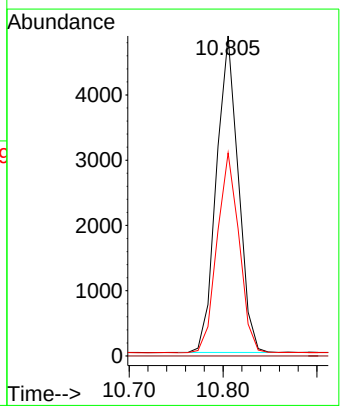


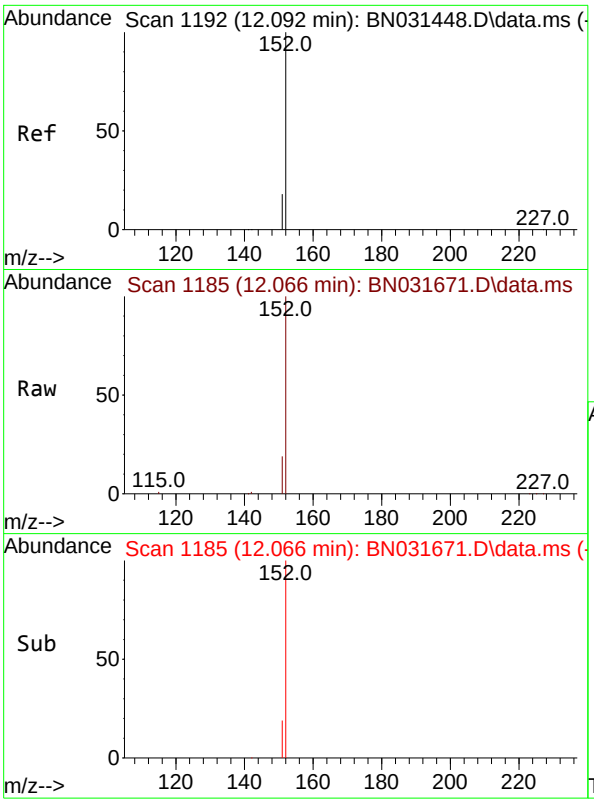


#10
Hexachlorobutadiene
Concen: 0.309 ng
RT: 10.805 min Scan# 972
Delta R.T. -0.032 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:225 Resp: 7855

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.7	76.1



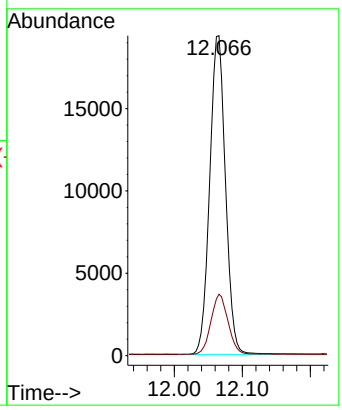


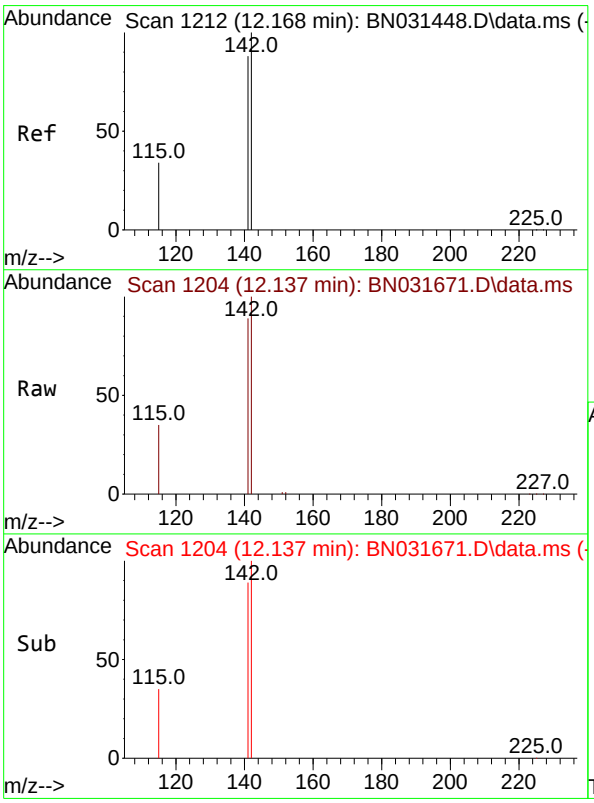
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.066 min Scan# 11
Delta R.T. -0.027 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:152 Resp: 31192

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0

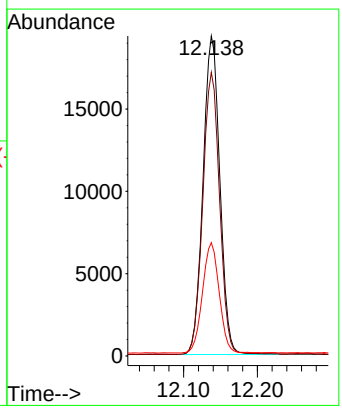


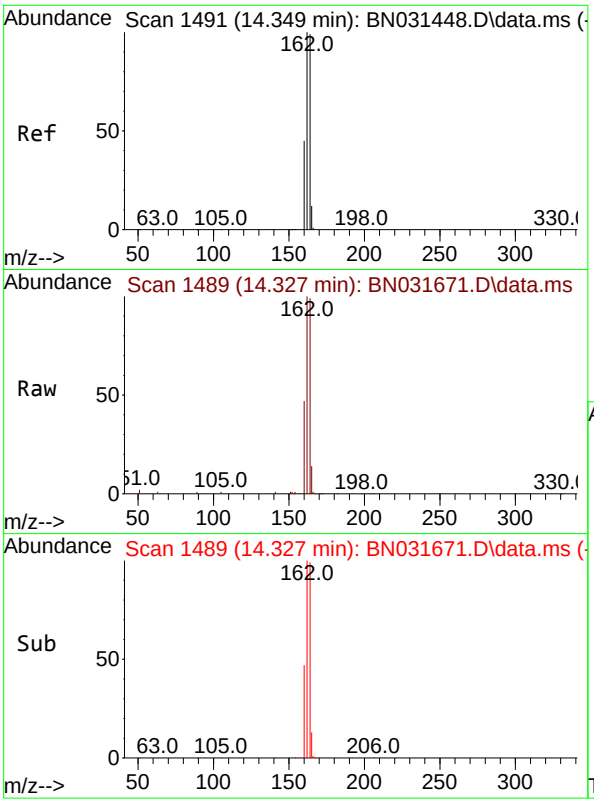


#12
2-Methylnaphthalene
Concen: 0.311 ng
RT: 12.137 min Scan# 1204
Delta R.T. -0.031 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:142 Resp: 30797

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	35.4	30.2	45.2



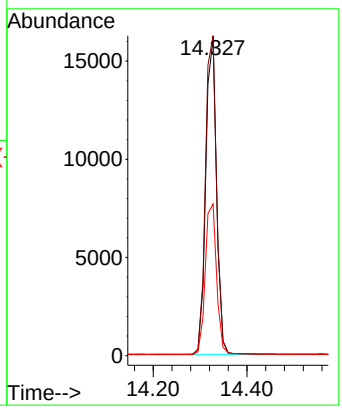


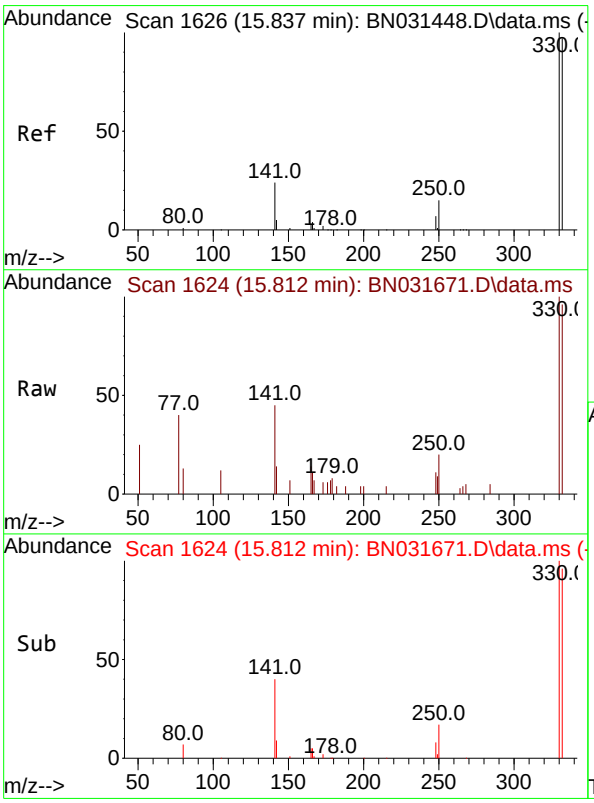
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.327 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:164 Resp: 25662

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.2	121.8
160	47.8	37.0	55.6

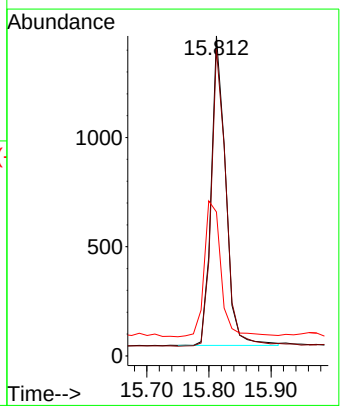


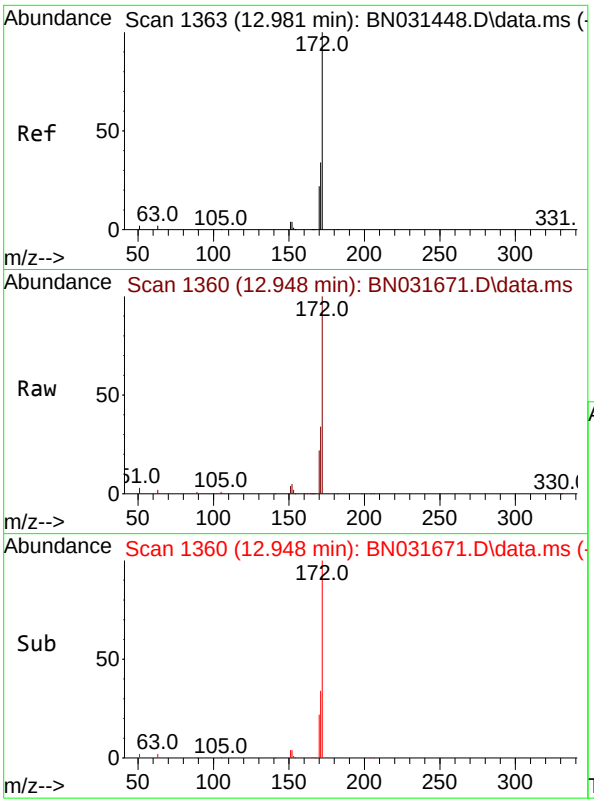


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:330 Resp: 2293

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	114.8
141	51.0	37.0	55.4



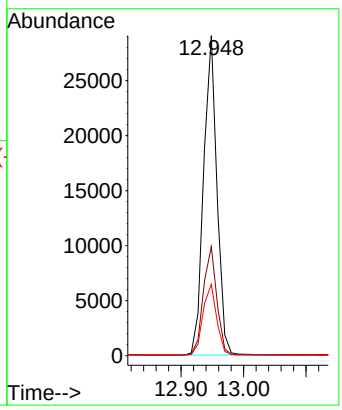


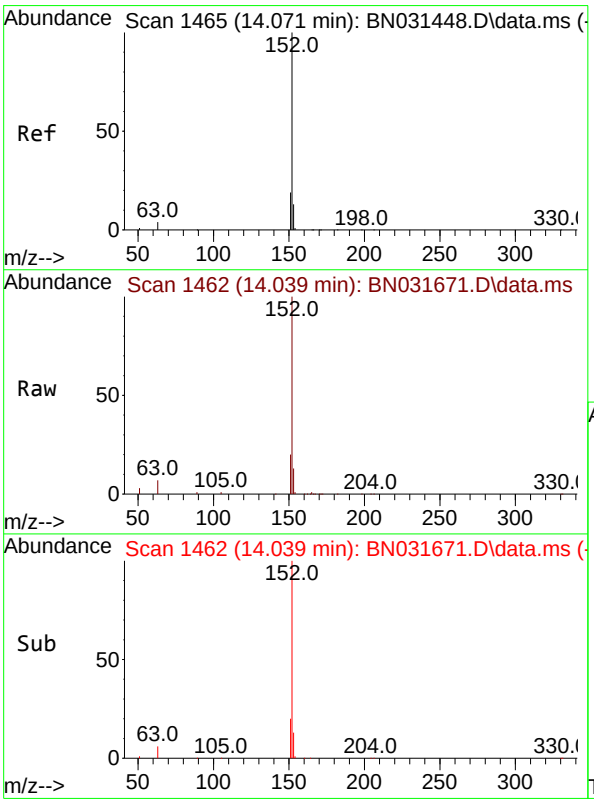
#15
2-Fluorobiphenyl
Concen: 0.435 ng
RT: 12.948 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:172 Resp: 43004

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.8
170	22.3	18.3	27.5

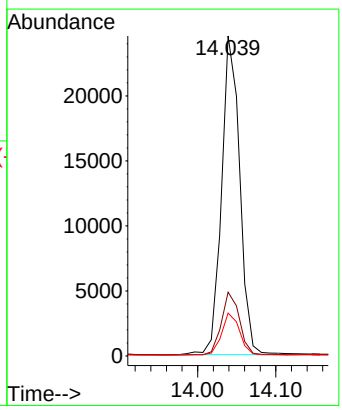


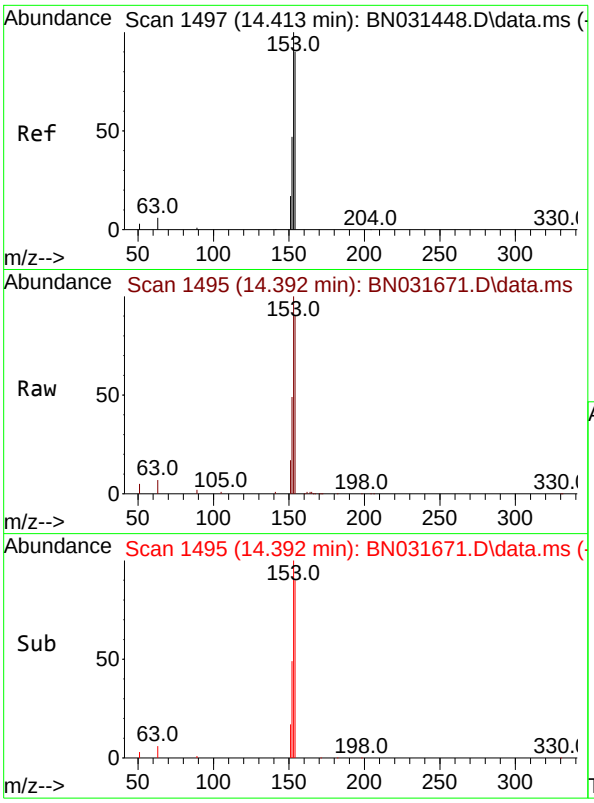


#16
Acenaphthylene
Concen: 0.306 ng
RT: 14.039 min Scan# 1462
Delta R.T. -0.032 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:152 Resp: 39516

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.1	10.5	15.7



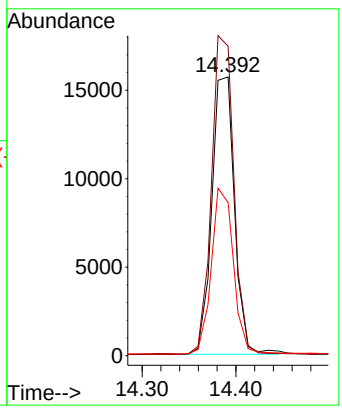


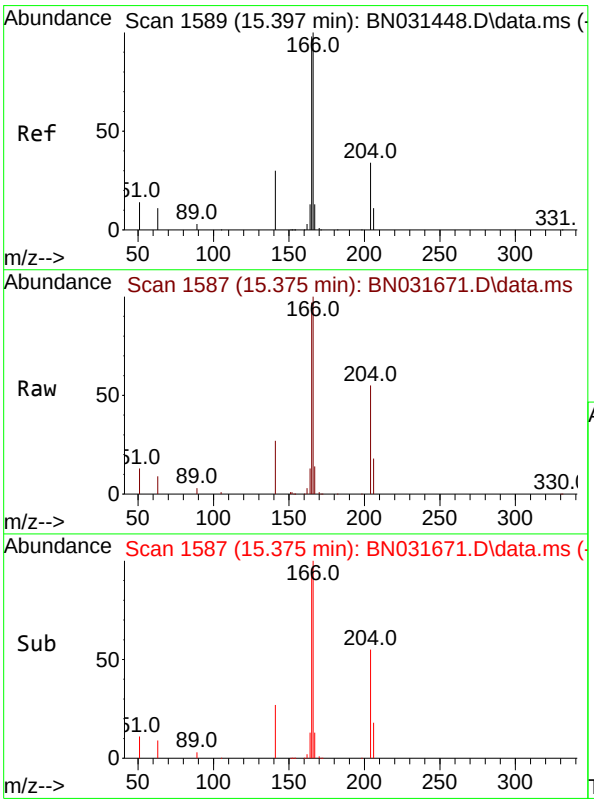
#17
Acenaphthene
Concen: 0.327 ng
RT: 14.392 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:154 Resp: 26319

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.1	133.7
152	58.0	42.6	64.0

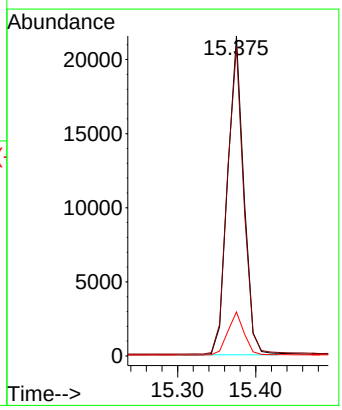


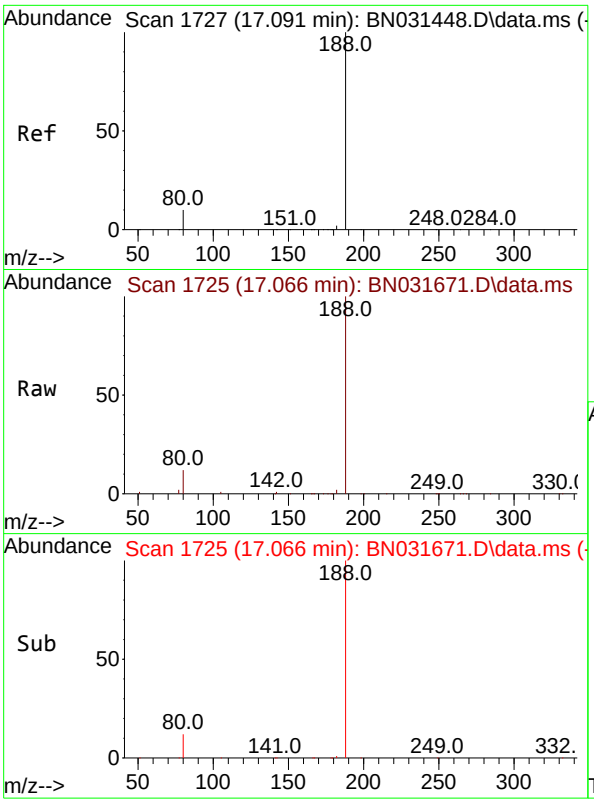


#18
Fluorene
Concen: 0.293 ng
RT: 15.375 min Scan# 1587
Delta R.T. -0.022 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:166 Resp: 30847

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.5	10.8	16.2



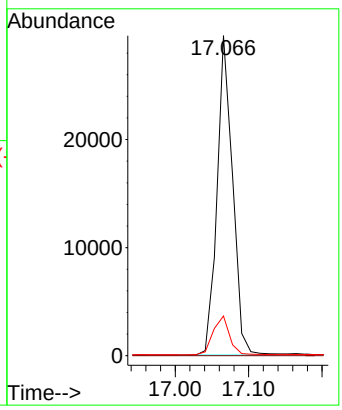


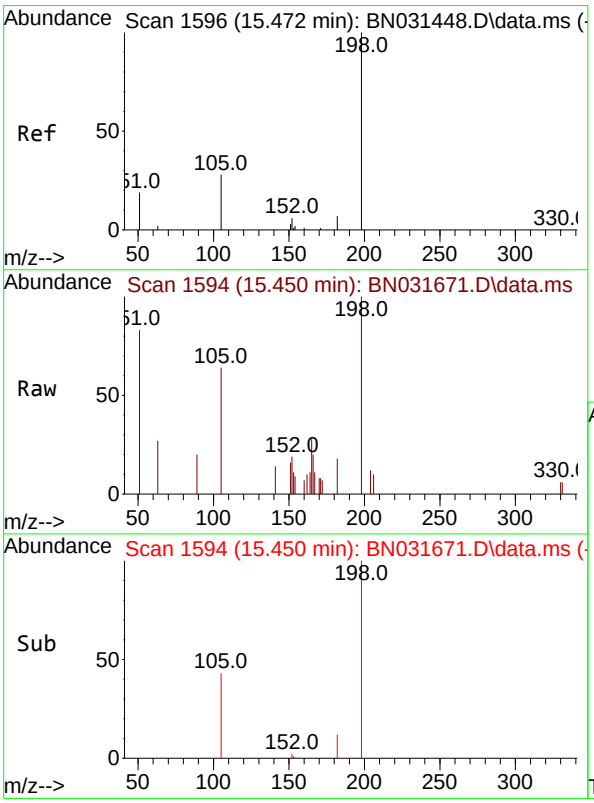
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:188 Resp: 43405

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	9.6	14.4

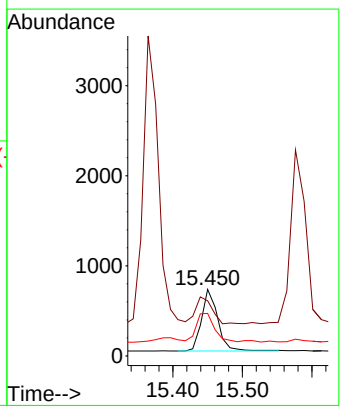


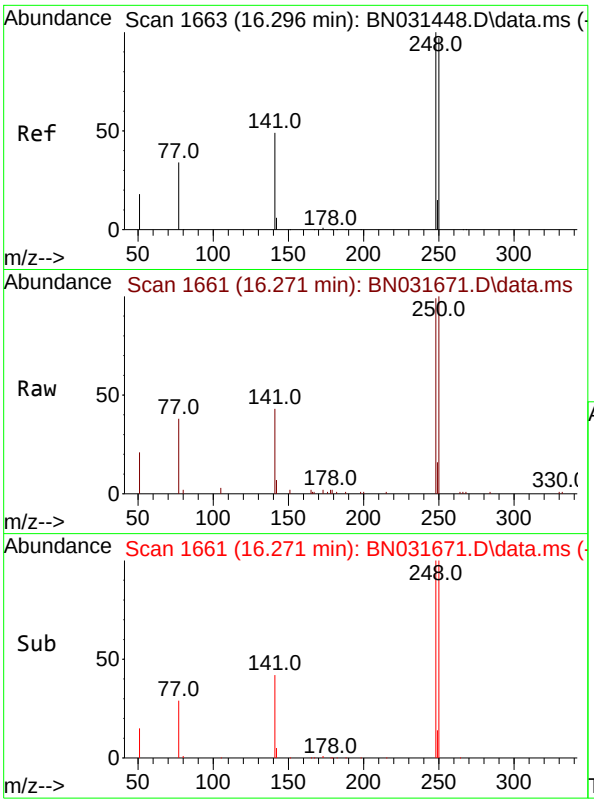


#20
4,6-Dinitro-2-methylphenol
Concen: 0.322 ng
RT: 15.450 min Scan# 1594
Delta R.T. -0.022 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:198 Resp: 1143

Ion	Ratio	Lower	Upper
198	100		
51	82.9	78.3	117.5
105	64.0	117.2	175.8#



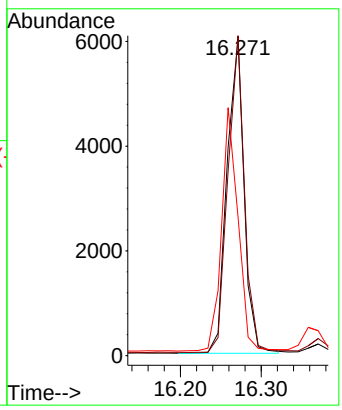


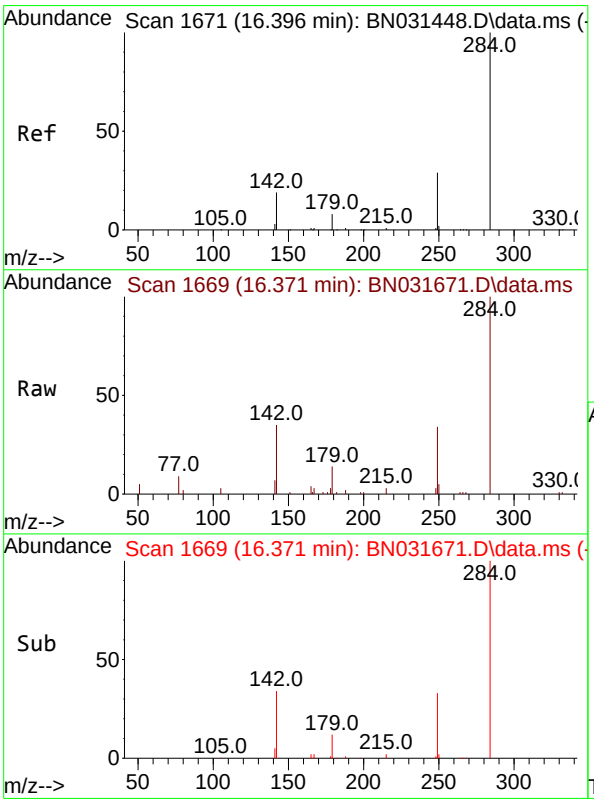
#21
4-Bromophenyl-phenylether
Concen: 0.347 ng
RT: 16.271 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:248 Resp: 8834

Ion	Ratio	Lower	Upper
248	100		
250	100.6	77.9	116.9
141	43.6	43.4	65.2

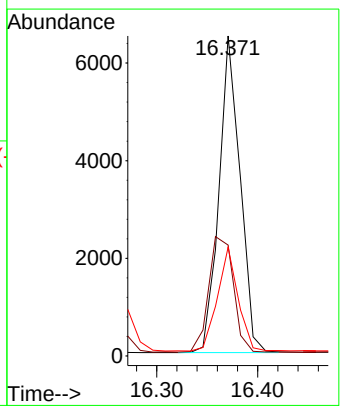


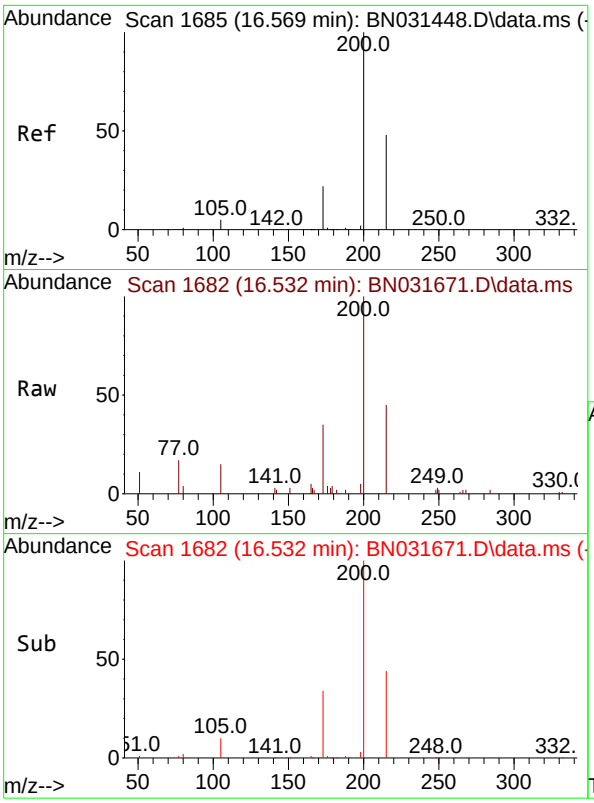


#22
Hexachlorobenzene
Concen: 0.367 ng
RT: 16.371 min Scan# 1669
Delta R.T. -0.025 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:284 Resp: 9420

Ion	Ratio	Lower	Upper
284	100		
142	42.6	31.0	46.6
249	31.8	25.5	38.3



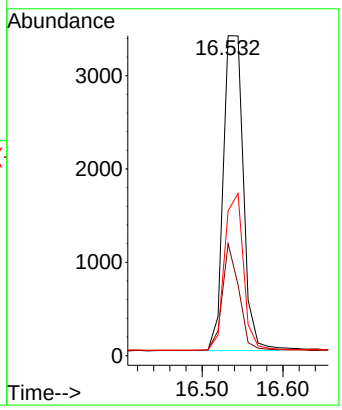


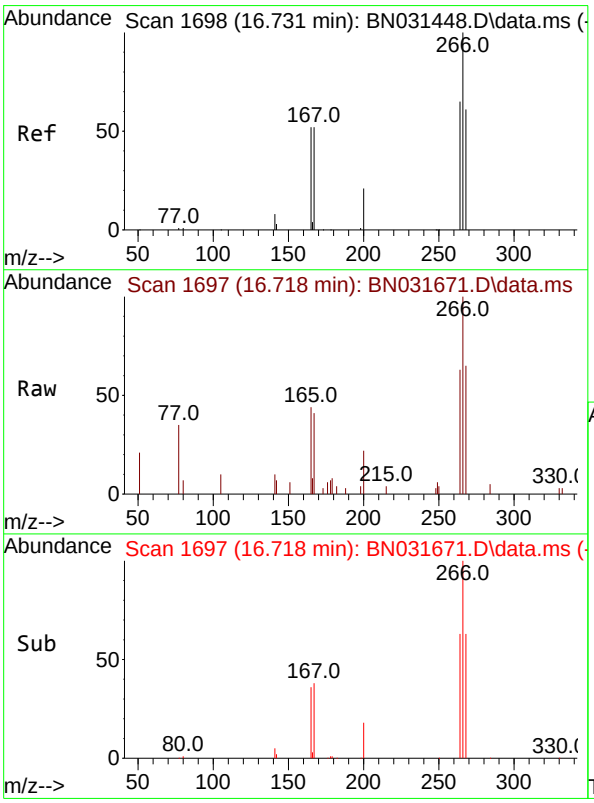
#23
Atrazine
Concen: 0.252 ng
RT: 16.532 min Scan# 1(
Delta R.T. -0.038 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:200 Resp: 5823

Ion	Ratio	Lower	Upper
200	100		
173	35.0	19.6	29.4#
215	45.3	39.8	59.8

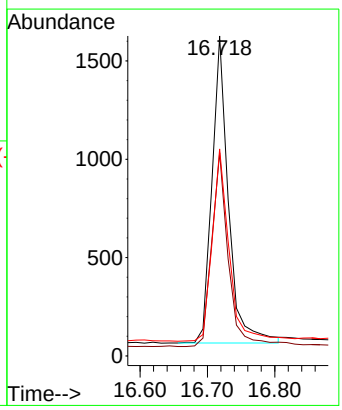


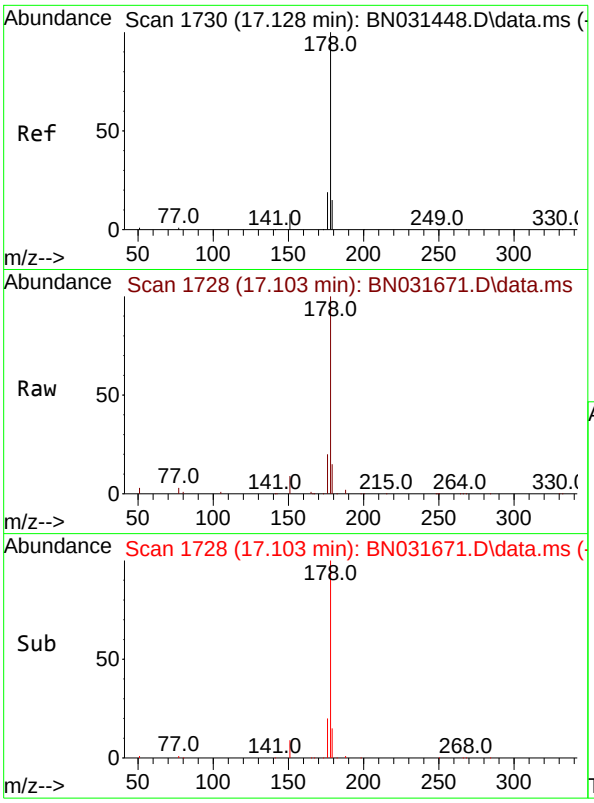


#24
Pentachlorophenol
Concen: 0.292 ng
RT: 16.718 min Scan# 1697
Delta R.T. -0.013 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:266 Resp: 2649

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.6	75.8
268	63.9	49.0	73.4



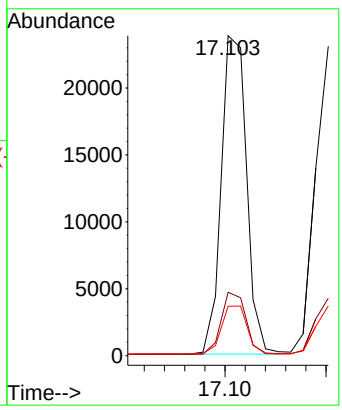


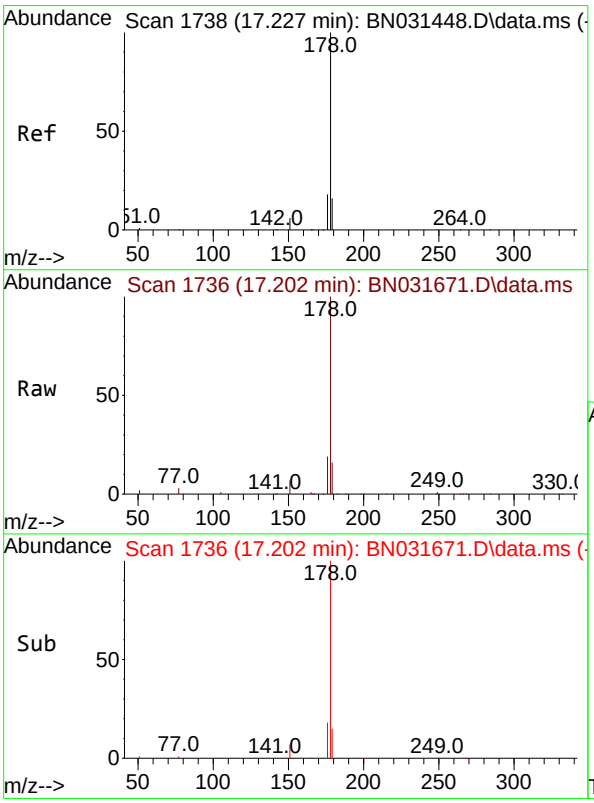
#25
Phenanthrene
Concen: 0.342 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:178 Resp: 41524

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

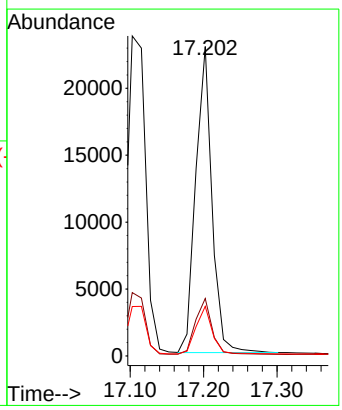


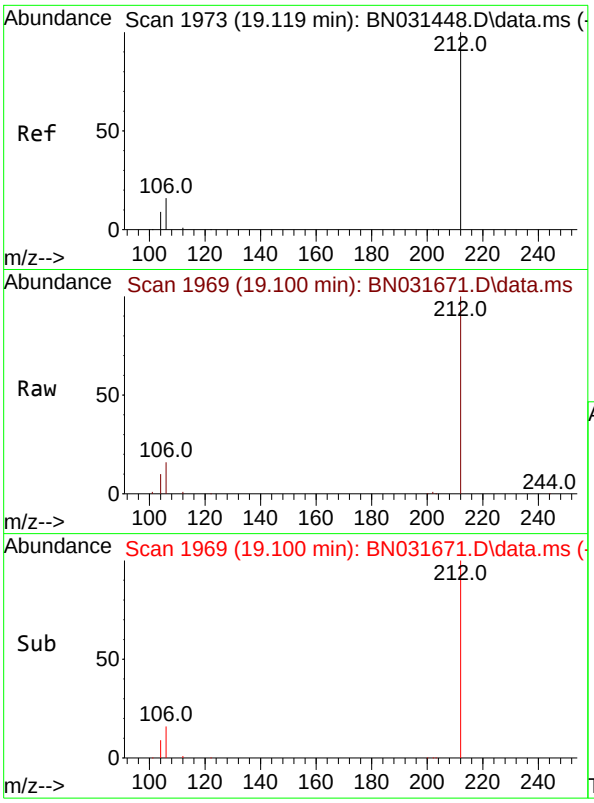


#26
Anthracene
Concen: 0.292 ng
RT: 17.202 min Scan# 1736
Delta R.T. -0.025 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:178 Resp: 35124

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.4	18.6





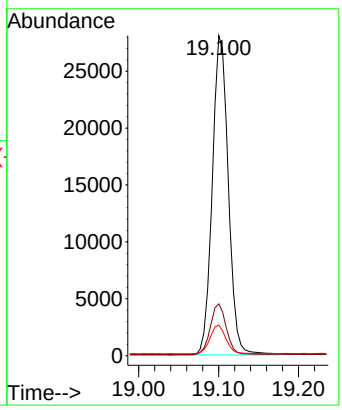
#27
Fluoranthene-d10
Concen: 0.325 ng
RT: 19.100 min Scan# 1

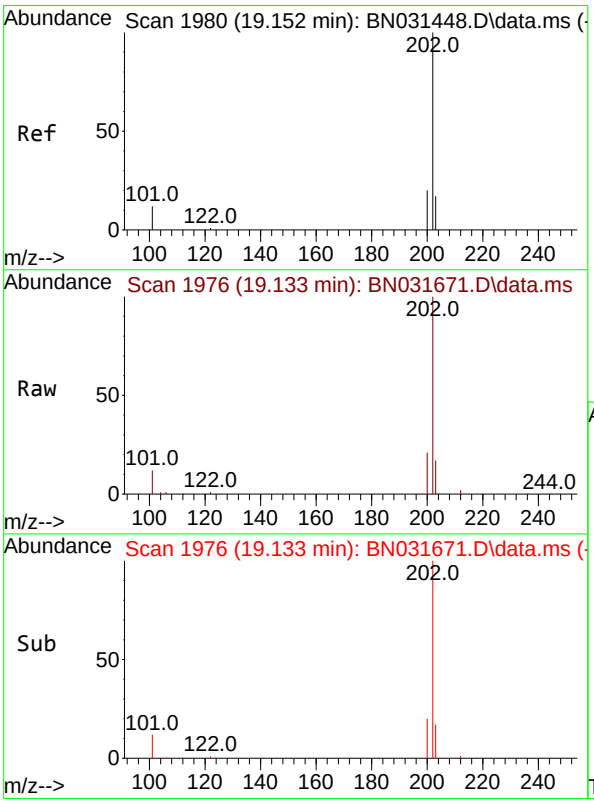
Instrument :
BNA_N
ClientSampleId :
PB161112BS

Delta R.T. -0.019 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:212 Resp: 39141

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.0	18.0
104	9.0	6.9	10.3

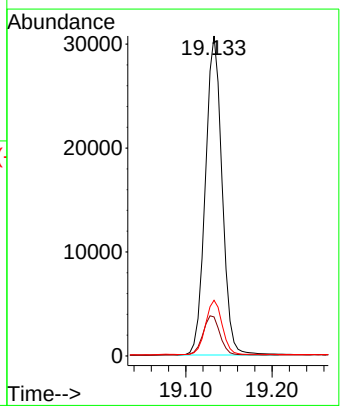


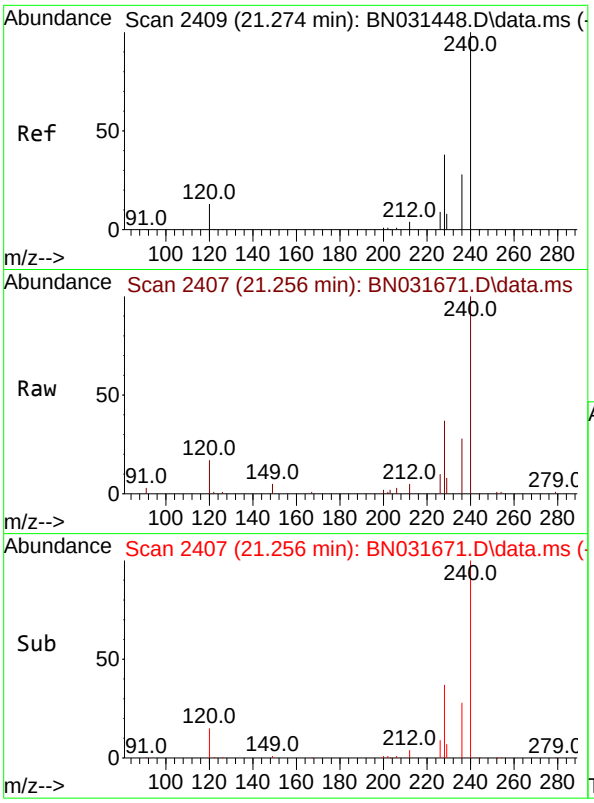


#28
Fluoranthene
Concen: 0.280 ng
RT: 19.133 min Scan# 1976
Delta R.T. -0.019 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:202 Resp: 41304

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.6
203	17.0	13.8	20.8



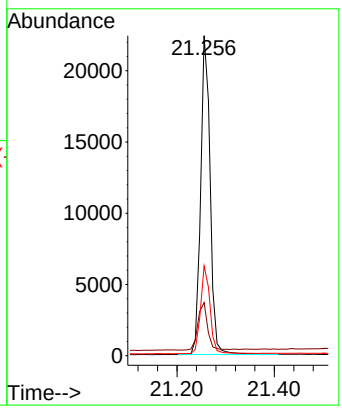


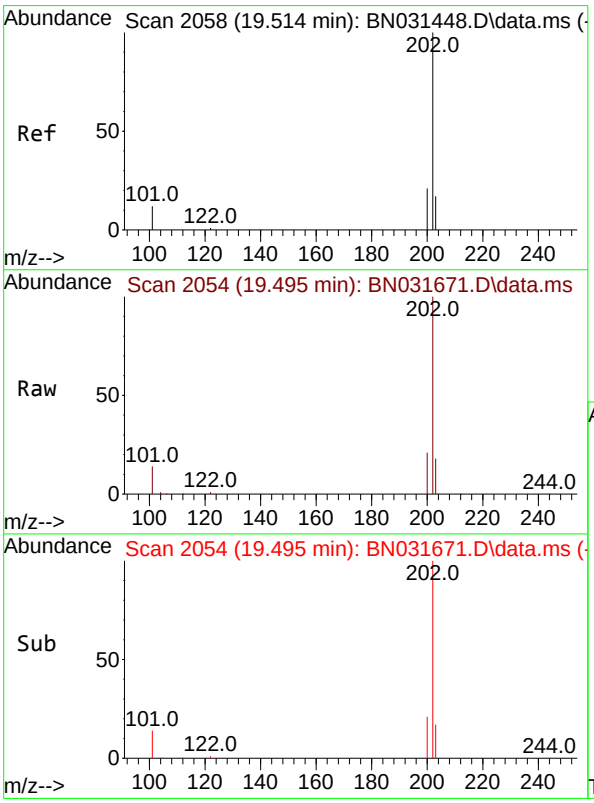
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.256 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:240 Resp: 30300

Ion	Ratio	Lower	Upper
240	100		
120	16.6	11.4	17.2
236	28.1	22.2	33.4

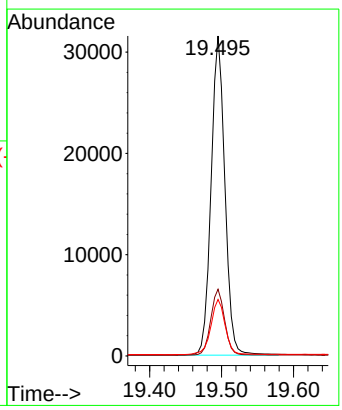


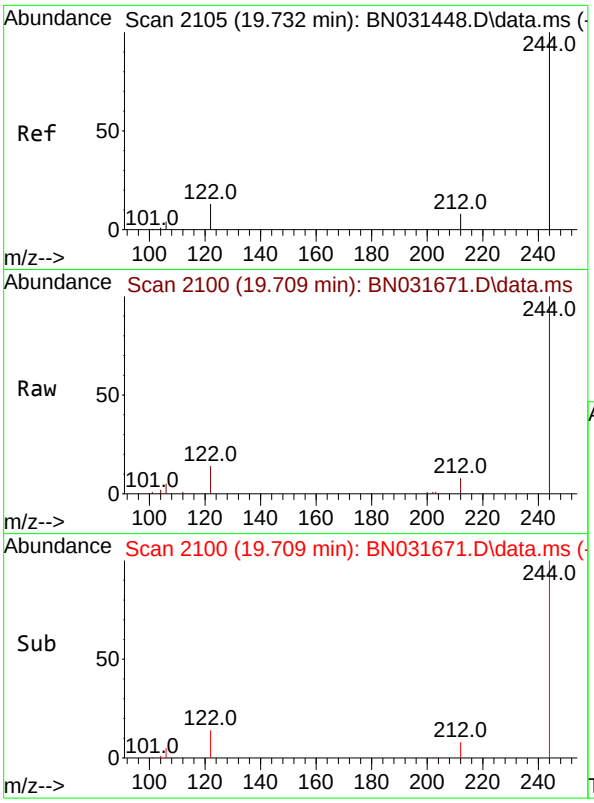


#30
Pyrene
Concen: 0.341 ng
RT: 19.495 min Scan# 2054
Delta R.T. -0.019 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:202 Resp: 41782

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.1	14.3	21.5



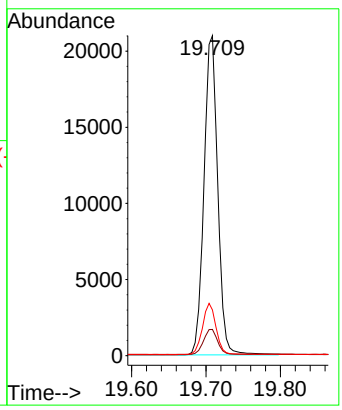


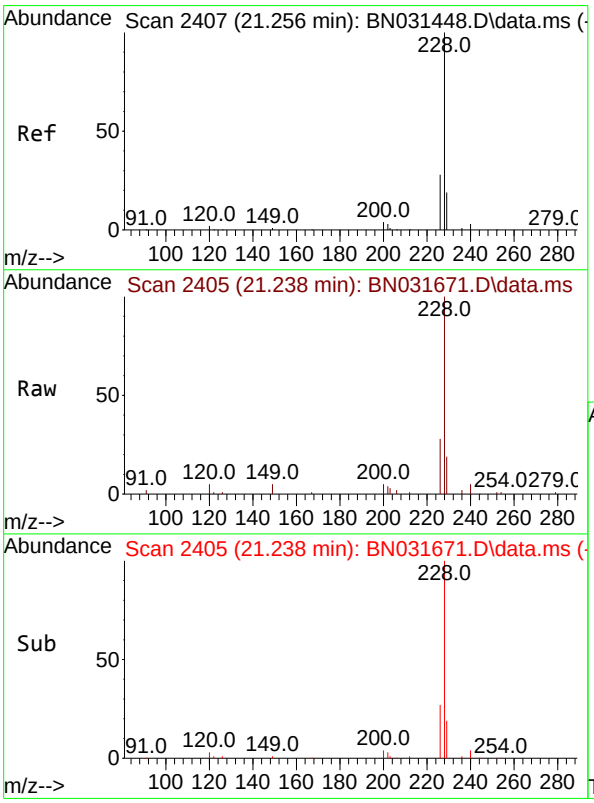
#31
Terphenyl-d14
Concen: 0.362 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.023 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:244 Resp: 26863

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	14.3	11.4	17.2

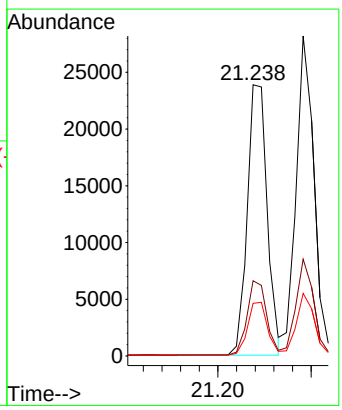


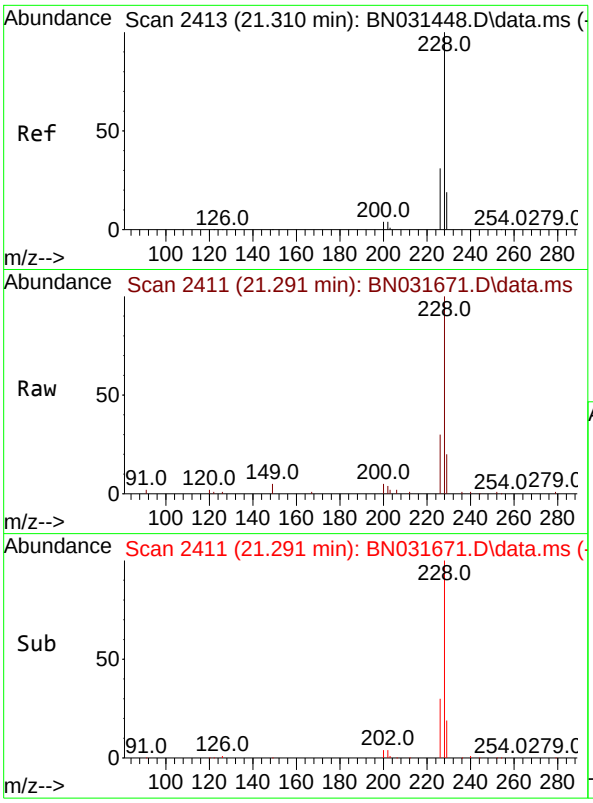


#32
Benzo(a)anthracene
Concen: 0.303 ng
RT: 21.238 min Scan# 2405
Delta R.T. -0.018 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:228 Resp: 35432

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.4	33.6
229	19.4	15.5	23.3



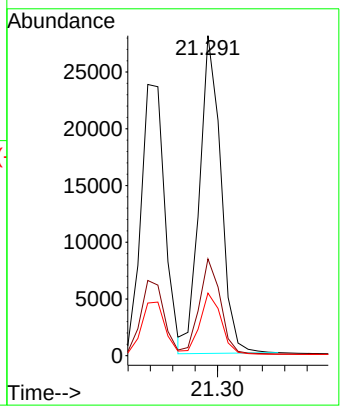


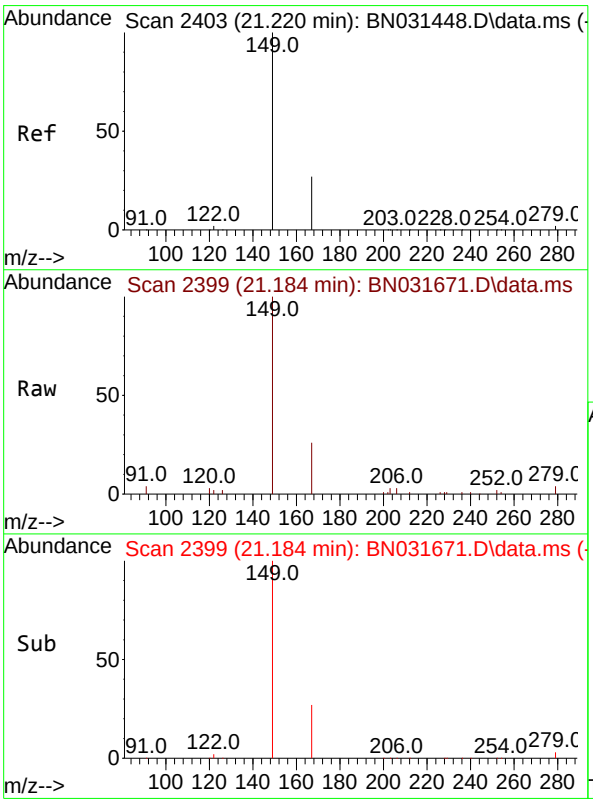
#33
Chrysene
Concen: 0.333 ng
RT: 21.291 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:228 Resp: 37027

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.6	15.8	23.8

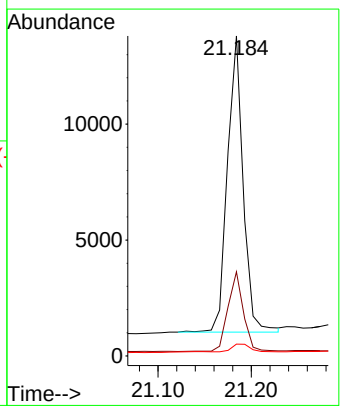


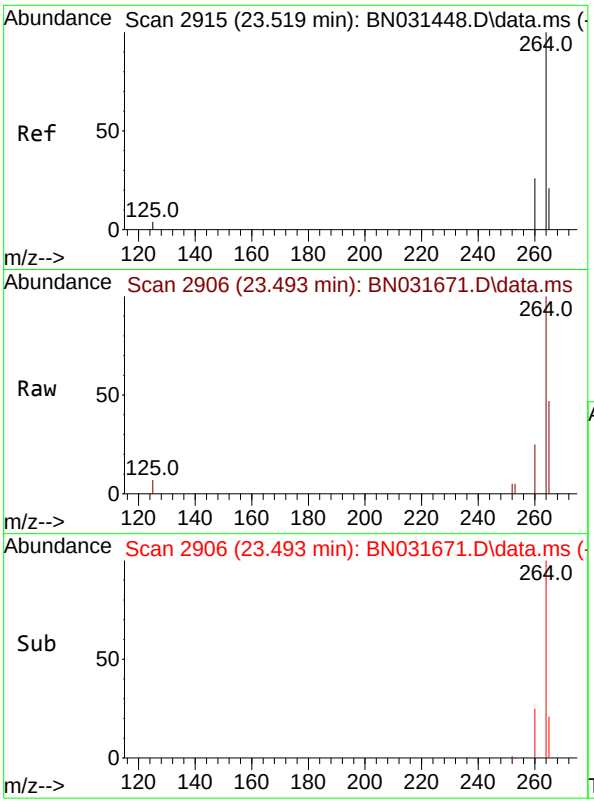


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.219 ng
RT: 21.184 min Scan# 2399
Delta R.T. -0.036 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:149 Resp: 14977

Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.1	33.1
279	3.2	2.7	4.1



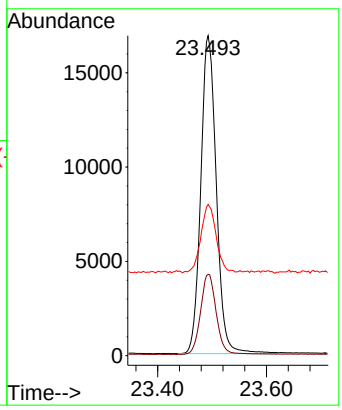


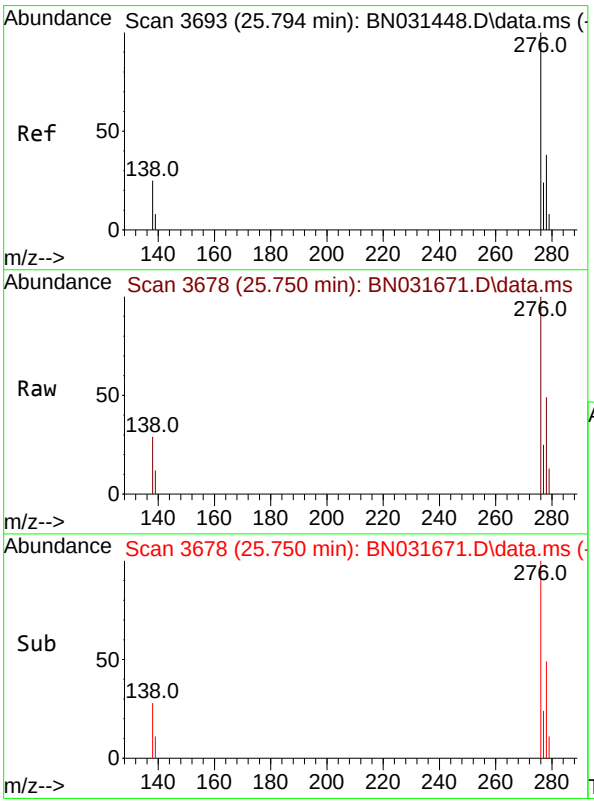
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.493 min Scan# 2
Delta R.T. -0.027 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:264 Resp: 33394

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	31.0
265	47.2	24.0	36.0#

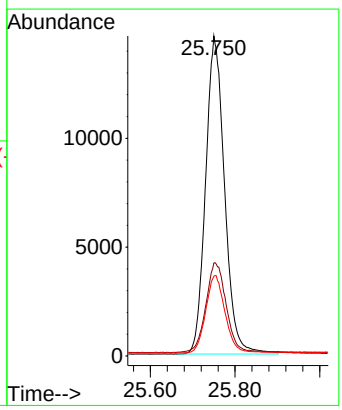


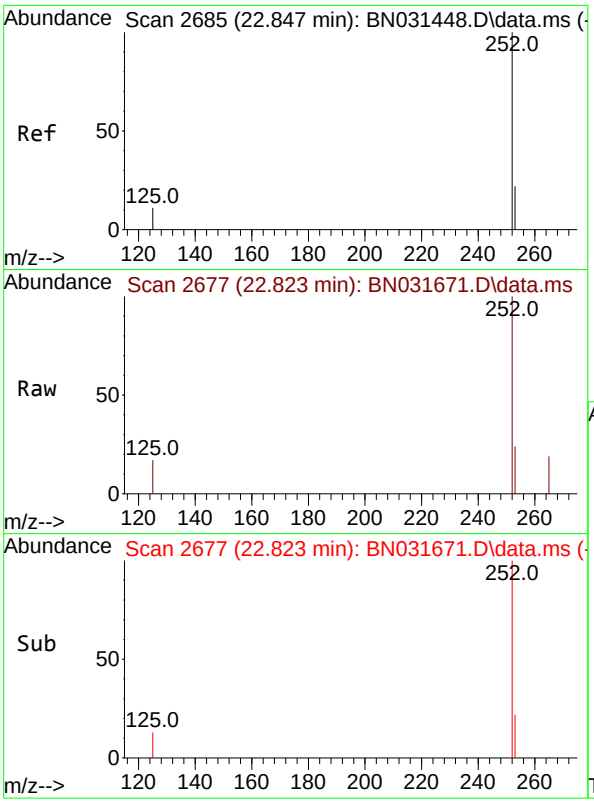


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.341 ng
RT: 25.750 min Scan# 3678
Delta R.T. -0.044 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:276 Resp: 45430

Ion	Ratio	Lower	Upper
276	100		
138	30.3	23.0	34.6
277	24.8	19.9	29.9



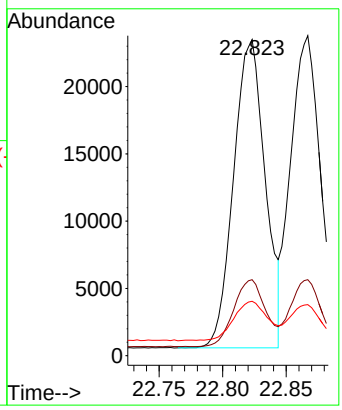


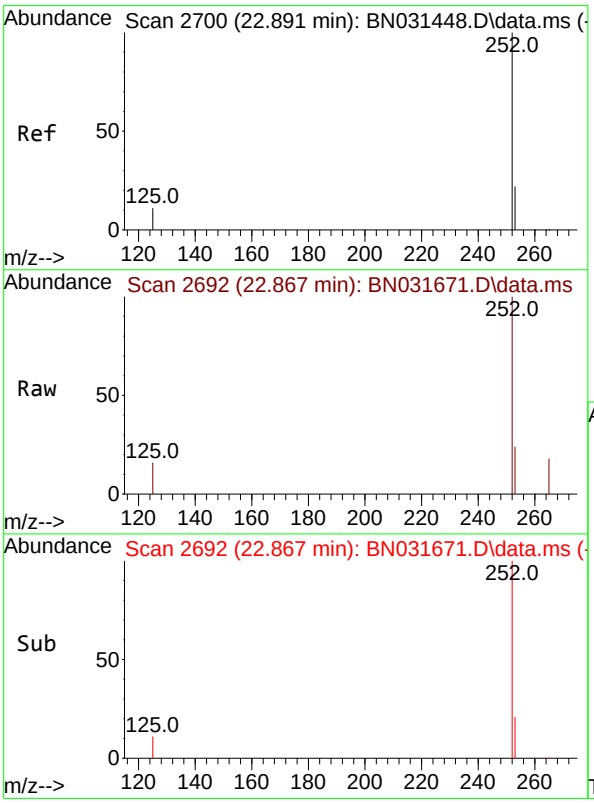
#37
Benzo(b)fluoranthene
Concen: 0.331 ng
RT: 22.823 min Scan# 2
Delta R.T. -0.024 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:252 Resp: 39666

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	17.2	10.5	15.7#

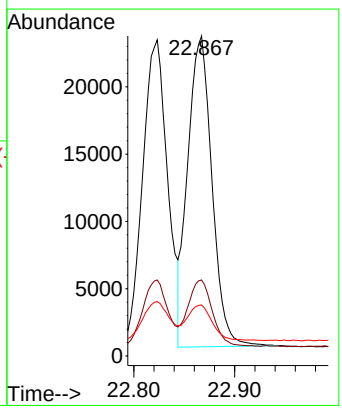


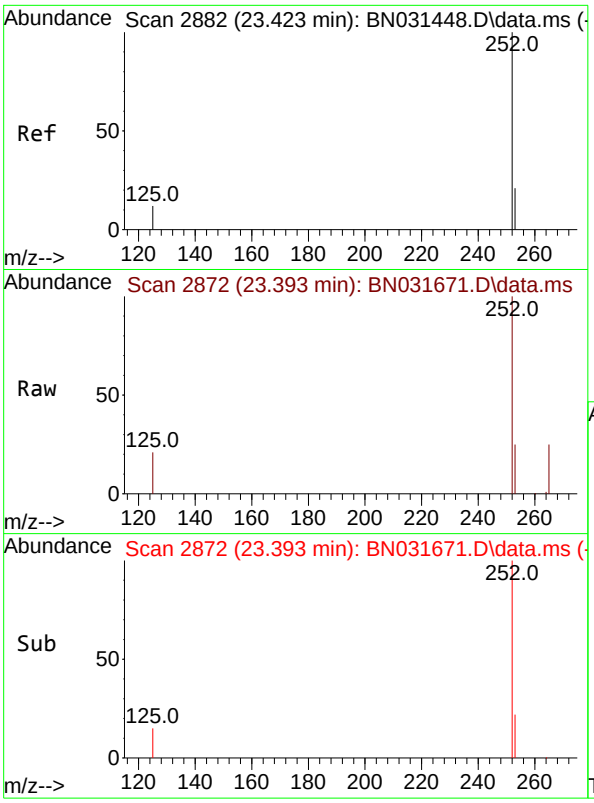


#38
Benzo(k)fluoranthene
Concen: 0.340 ng
RT: 22.867 min Scan# 2692
Delta R.T. -0.024 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:252 Resp: 38584

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	16.0	11.0	16.6



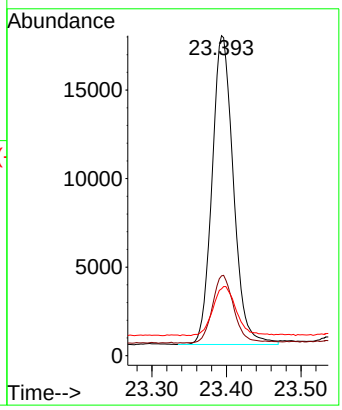


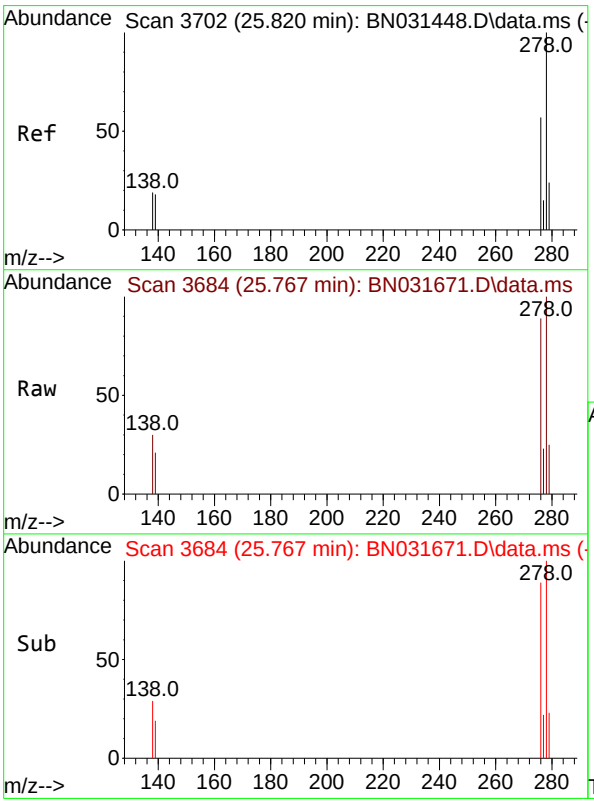
#39
Benzo(a)pyrene
Concen: 0.333 ng
RT: 23.393 min Scan# 2
Delta R.T. -0.030 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:252 Resp: 34672

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	20.9	11.9	17.9#

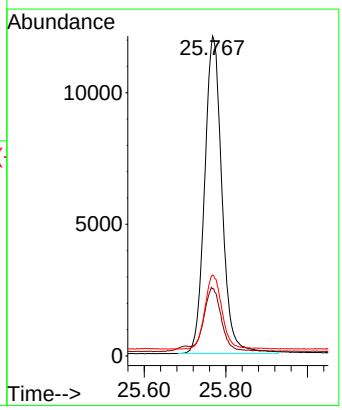


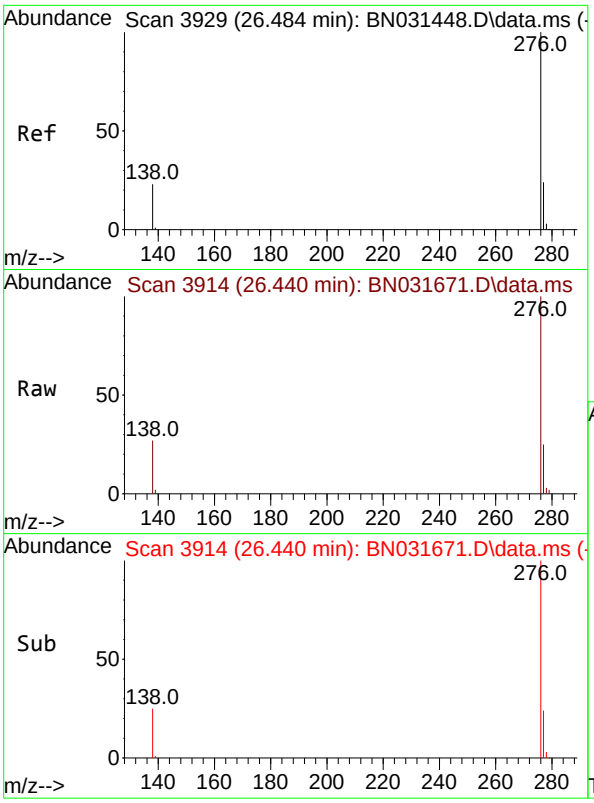


#40
Dibenzo(a,h)anthracene
Concen: 0.338 ng
RT: 25.767 min Scan# 3684
Delta R.T. -0.053 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Tgt Ion:278 Resp: 35657

Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.9	23.9
279	25.2	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.342 ng
RT: 26.440 min Scan# 3
Delta R.T. -0.044 min
Lab File: BN031671.D
Acq: 28 May 2024 12:16

Instrument :
BNA_N
ClientSampleId :
PB161112BS

Tgt Ion:276 Resp: 38760

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	26.5	20.4	30.6