Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050824\
Data File : BN031443.D
Acq On : 08 May 2024 17:06
Operator : MA/JU
Sample : PB160578BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Quant Time: May 08 17:33:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 17:14:43 2024
Response via : Initial Calibration

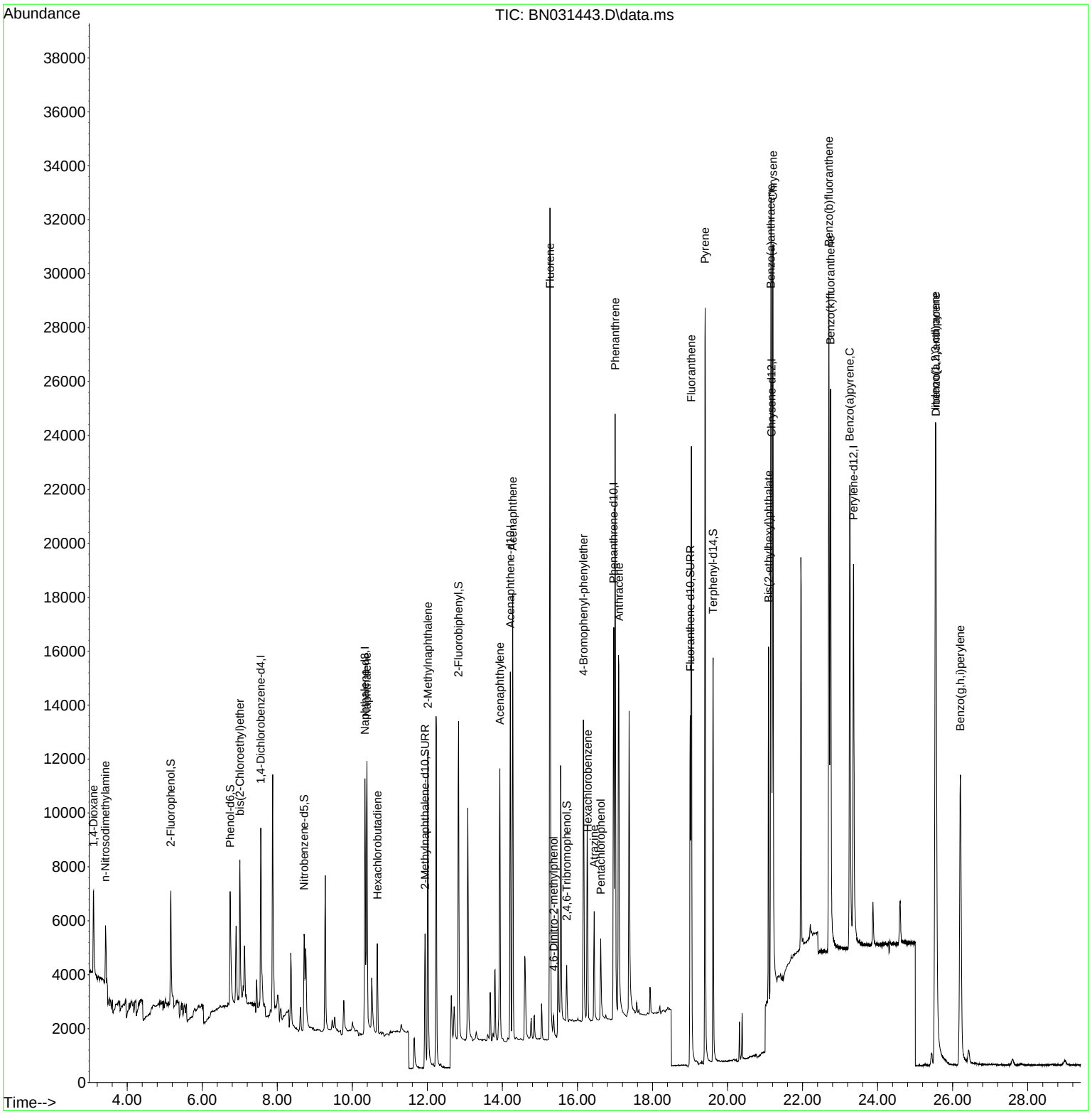
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.559	152	3842	0.400	ng		0.00
7) Naphthalene-d8	10.336	136	13281	0.400	ng		0.00
13) Acenaphthene-d10	14.210	164	7688	0.400	ng		0.00
19) Phenanthrene-d10	16.967	188	21332	0.400	ng		0.00
29) Chrysene-d12	21.175	240	16909	0.400	ng		0.00
35) Perylene-d12	23.355	264	19484	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.162	112	3826	0.425	ng		0.00
5) Phenol-d6	6.743	99	4564	0.427	ng		0.00
8) Nitrobenzene-d5	8.713	82	3676	0.315	ng		0.00
11) 2-Methylnaphthalene-d10	11.937	152	7798	0.495	ng		0.00
14) 2,4,6-Tribromophenol	15.713	330	1207	0.318	ng		0.00
15) 2-Fluorobiphenyl	12.831	172	11668	0.410	ng		0.00
27) Fluoranthene-d10	19.007	212	16704	0.289	ng		0.00
31) Terphenyl-d14	19.616	244	15426	0.359	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.103	88	2253	0.491	ng		96
3) n-Nitrosodimethylamine	3.421	42	1764	0.385	ng	#	98
6) bis(2-Chloroethyl)ether	7.003	93	4175	0.418	ng		99
9) Naphthalene	10.389	128	13813	0.372	ng		99
10) Hexachlorobutadiene	10.667	225	2679	0.346	ng	#	99
12) 2-Methylnaphthalene	12.013	142	9375	0.511	ng		98
16) Acenaphthylene	13.932	152	11565	0.343	ng		100
17) Acenaphthene	14.274	154	7824	0.338	ng		99
18) Fluorene	15.268	166	12690	0.424	ng		100
20) 4,6-Dinitro-2-methylph...	15.365	198	784	0.265	ng	#	84
21) 4-Bromophenyl-phenylether	16.160	248	4560	0.370	ng		93
22) Hexachlorobenzene	16.272	284	5451	0.387	ng		99
23) Atrazine	16.445	200	3340	0.346	ng		97
24) Pentachlorophenol	16.619	266	1654	0.364	ng		97
25) Phenanthrene	17.004	178	22891	0.374	ng		100
26) Anthracene	17.103	178	17897	0.348	ng		99
28) Fluoranthene	19.035	202	21640	0.289	ng		99
30) Pyrene	19.402	202	26503	0.455	ng		100
32) Benzo(a)anthracene	21.157	228	22214	0.380	ng		99
33) Chrysene	21.211	228	25679	0.422	ng		100
34) Bis(2-ethylhexyl)phtha...	21.095	149	11333	0.367	ng	#	97
36) Indeno(1,2,3-cd)pyrene	25.539	276	30622	0.389	ng		99
37) Benzo(b)fluoranthene	22.701	252	29472	0.386	ng		98
38) Benzo(k)fluoranthene	22.744	252	28571	0.381	ng		100
39) Benzo(a)pyrene	23.259	252	24316	0.379	ng	#	96
40) Dibenzo(a,h)anthracene	25.554	278	24239	0.391	ng		98
41) Benzo(g,h,i)perylene	26.206	276	23246	0.369	ng		99

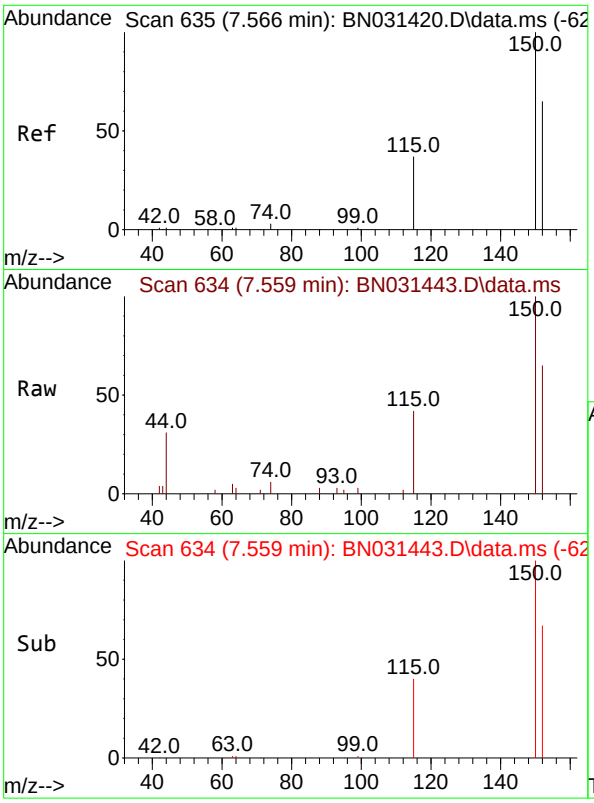
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050824\
Data File : BN031443.D
Acq On : 08 May 2024 17:06
Operator : MA/JU
Sample : PB160578BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Quant Time: May 08 17:33:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 17:14:43 2024
Response via : Initial Calibration



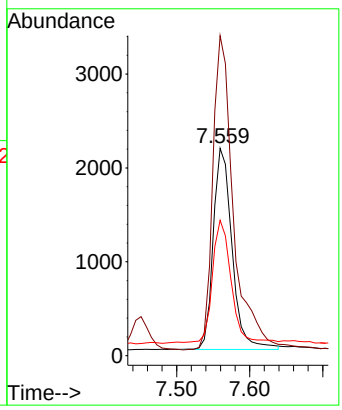


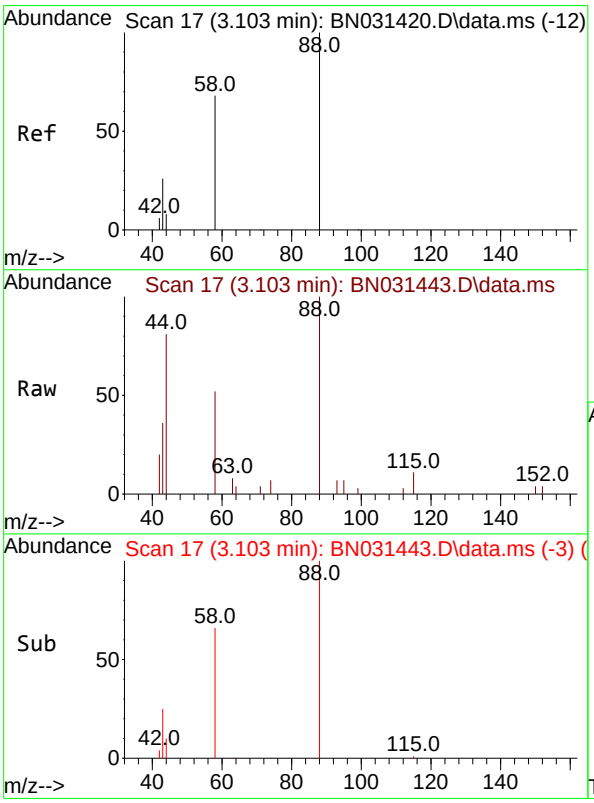
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:152 Resp: 3842

Ion	Ratio	Lower	Upper
152	100		
150	154.3	122.2	183.2
115	65.3	47.8	71.6

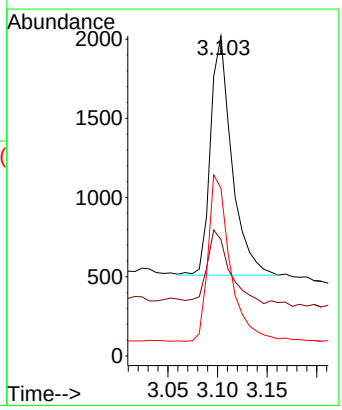


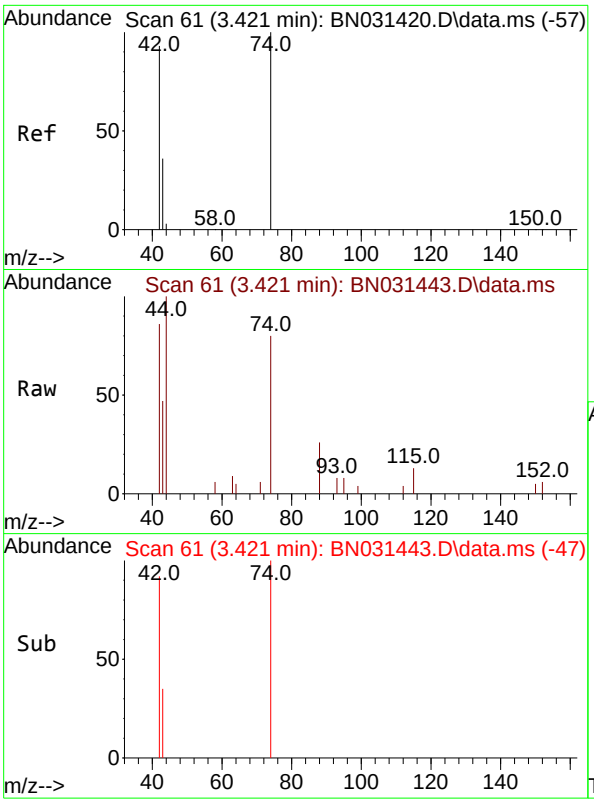


#2
1,4-Dioxane
Concen: 0.491 ng
RT: 3.103 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion: 88 Resp: 2253

Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	71.8	54.6	81.8



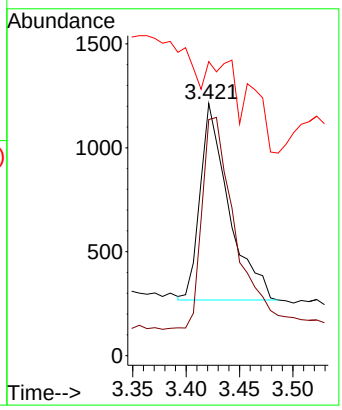


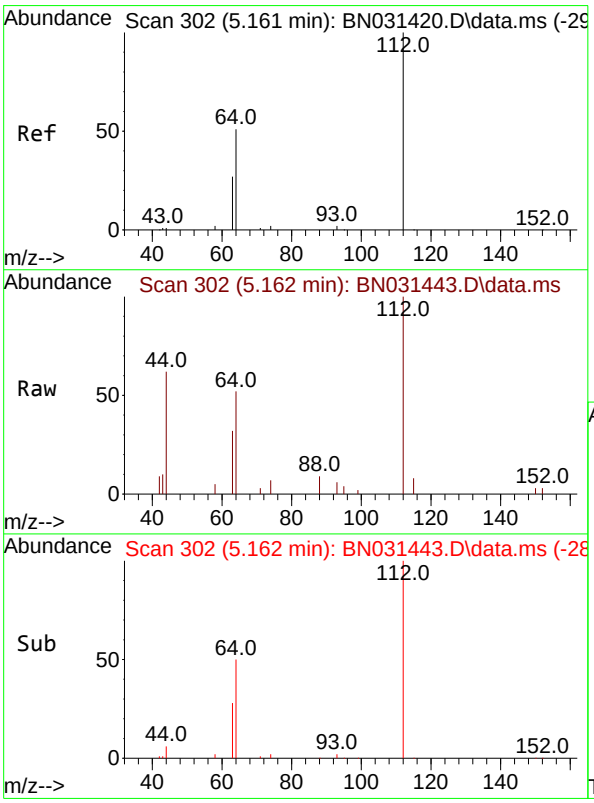
#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.421 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion: 42 Resp: 1764

Ion	Ratio	Lower	Upper
42	100		
74	125.3	101.7	152.5
44	0.0	5.3	7.9#

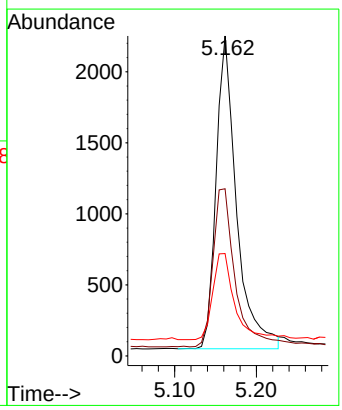


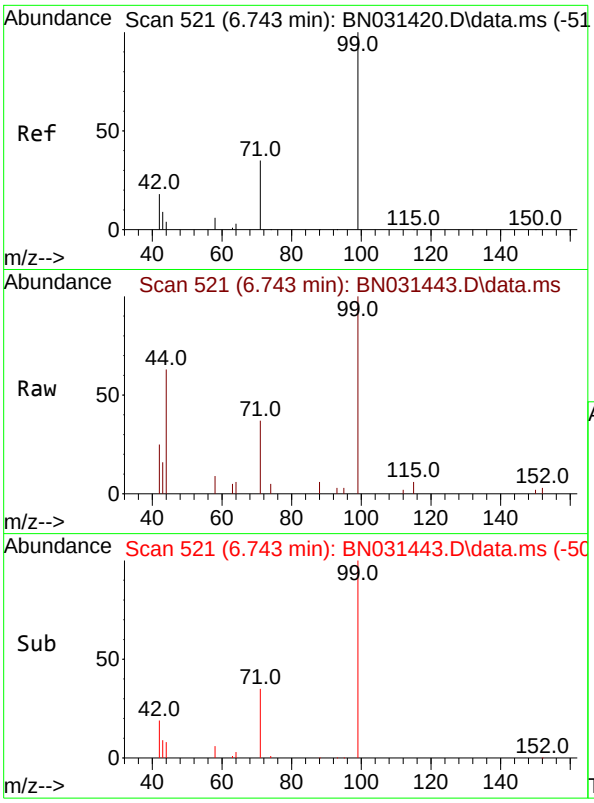


#4
2-Fluorophenol
Concen: 0.425 ng
RT: 5.162 min Scan# 302
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:112 Resp: 3826

Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.4	63.6
63	29.4	22.6	34.0



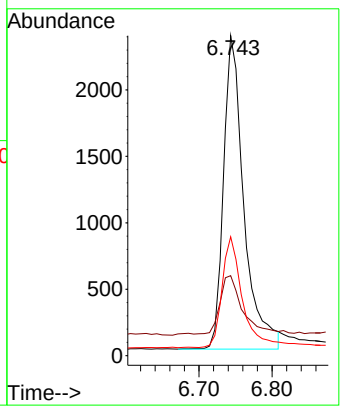


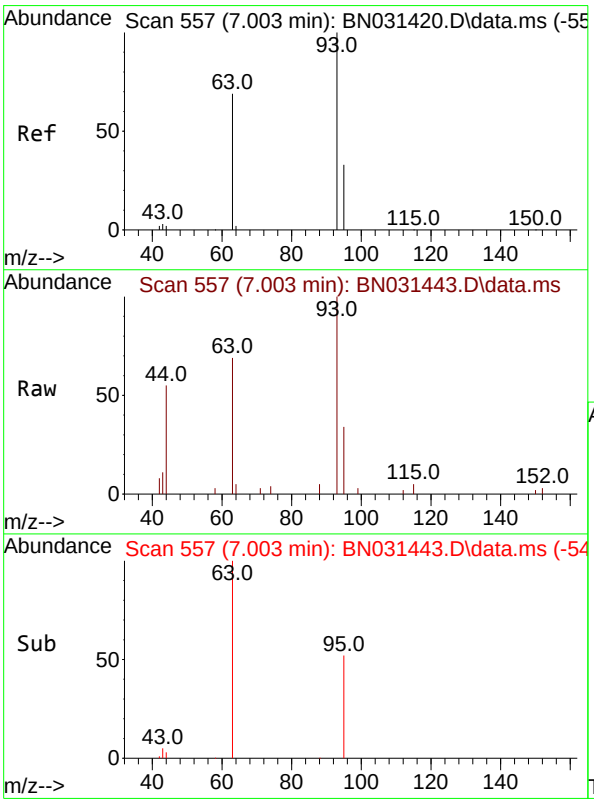
#5
Phenol-d6
Concen: 0.427 ng
RT: 6.743 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion: 99 Resp: 4564

Ion	Ratio	Lower	Upper
99	100		
42	20.4	15.8	23.8
71	34.8	27.8	41.6

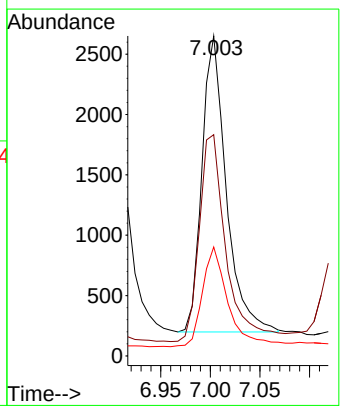


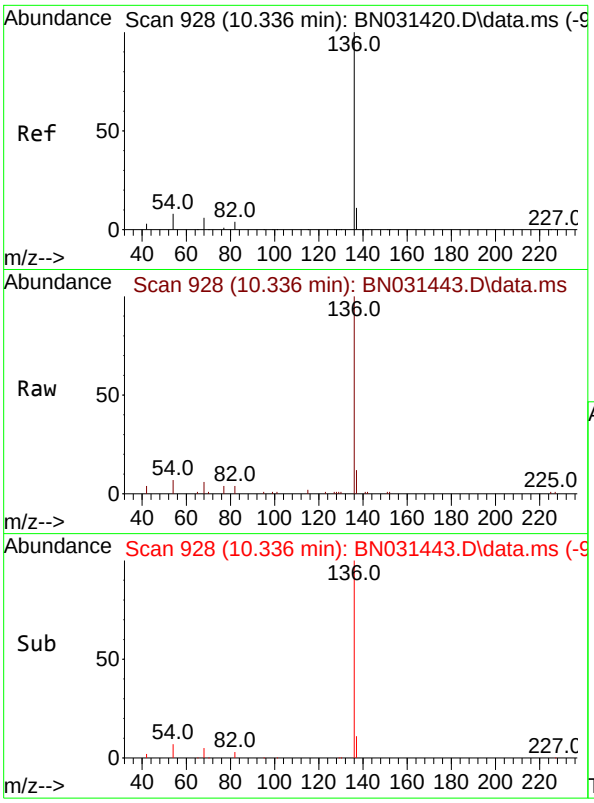


#6
bis(2-Chloroethyl)ether
Concen: 0.418 ng
RT: 7.003 min Scan# 557
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion: 93 Resp: 4175

Ion	Ratio	Lower	Upper
93	100		
63	77.1	60.7	91.1
95	35.2	28.0	42.0



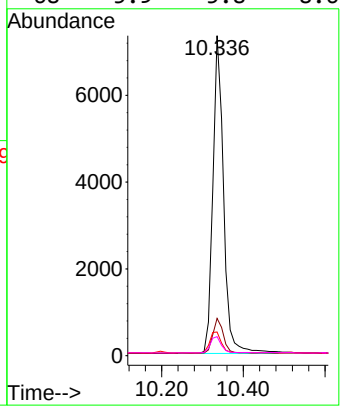


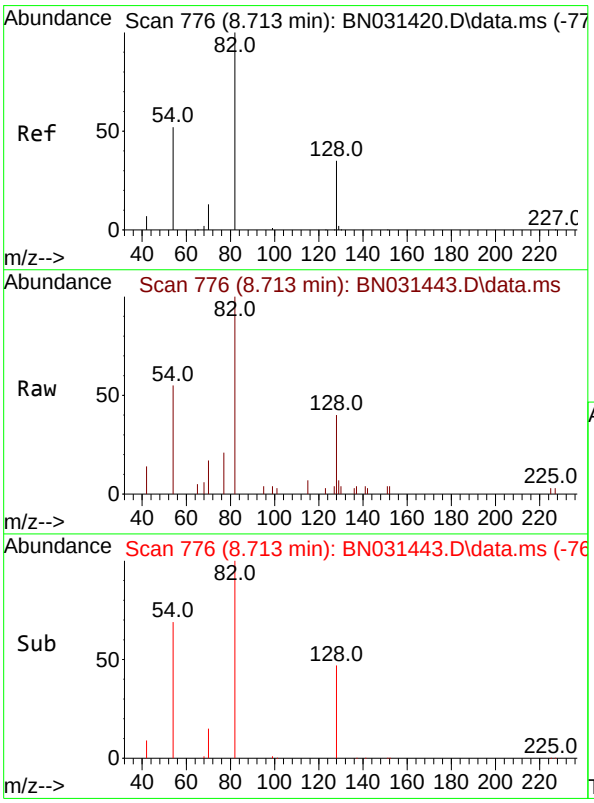
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.336 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:136 Resp: 13281

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.4	7.2	10.8
68	5.9	5.8	8.6

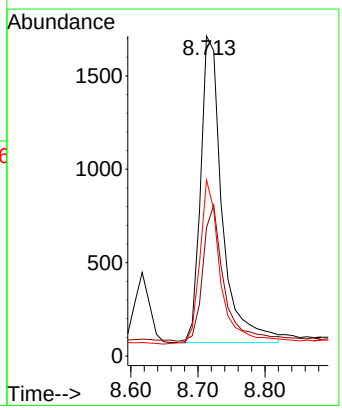


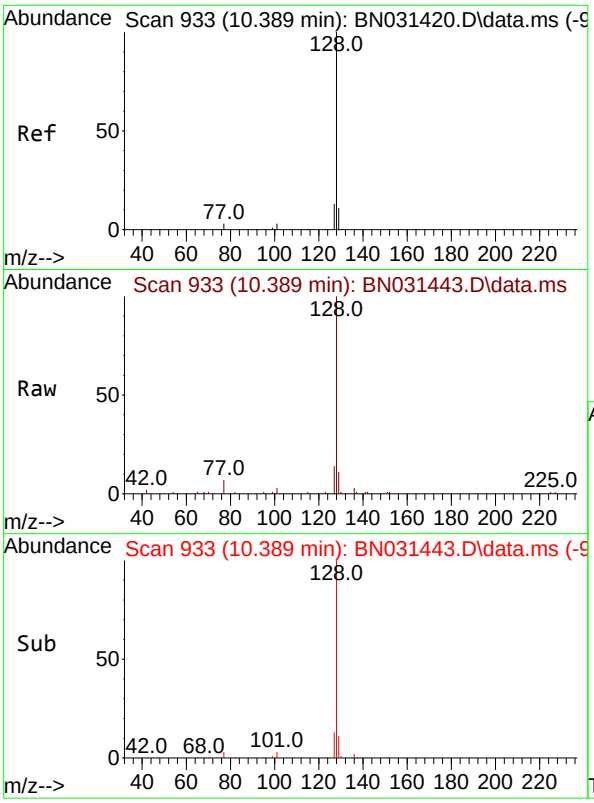


#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.713 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion: 82 Resp: 3676

Ion	Ratio	Lower	Upper
82	100		
128	40.1	30.0	45.0
54	55.0	43.4	65.0



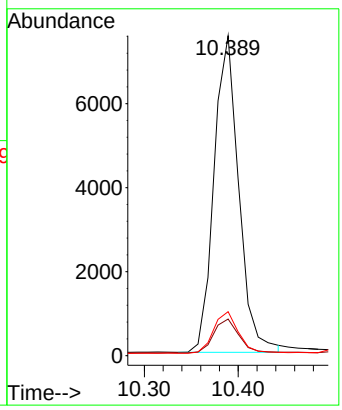


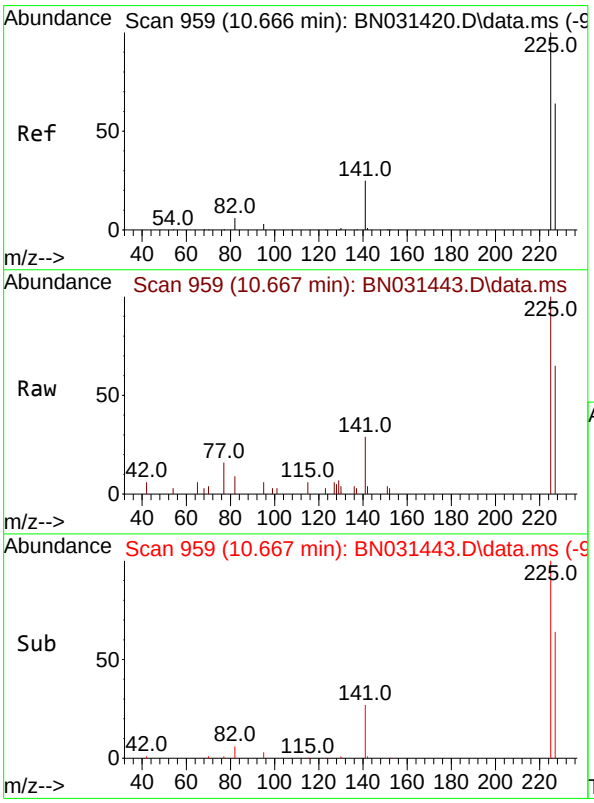
#9
Naphthalene
Concen: 0.372 ng
RT: 10.389 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:128 Resp: 13813

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.5	14.3
127	13.7	11.1	16.7

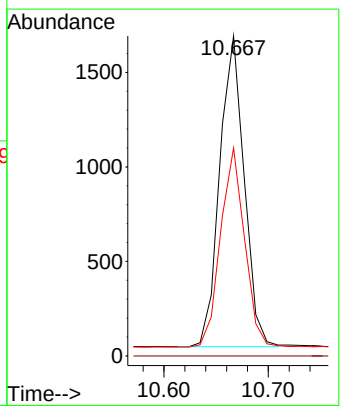


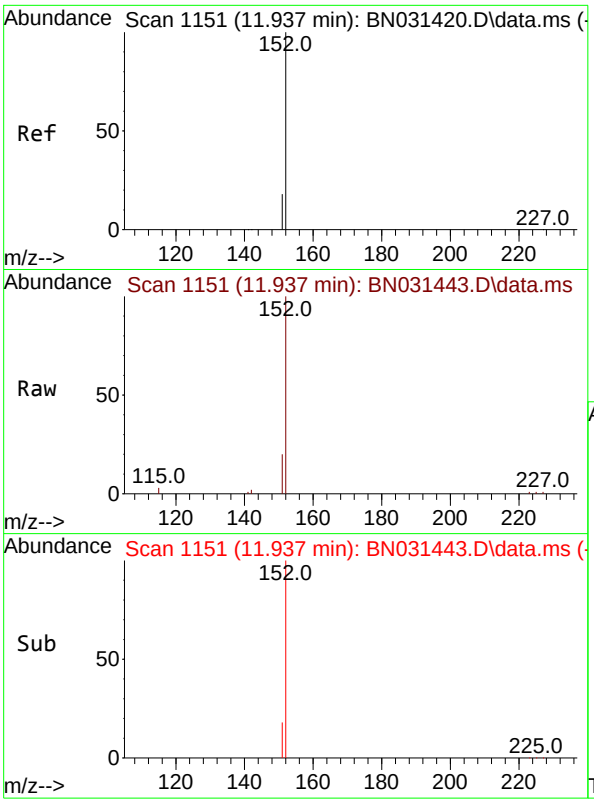


#10
Hexachlorobutadiene
Concen: 0.346 ng
RT: 10.667 min Scan# 959
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:225 Resp: 2679

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	50.8	76.2



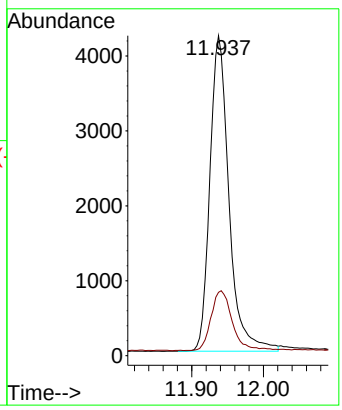


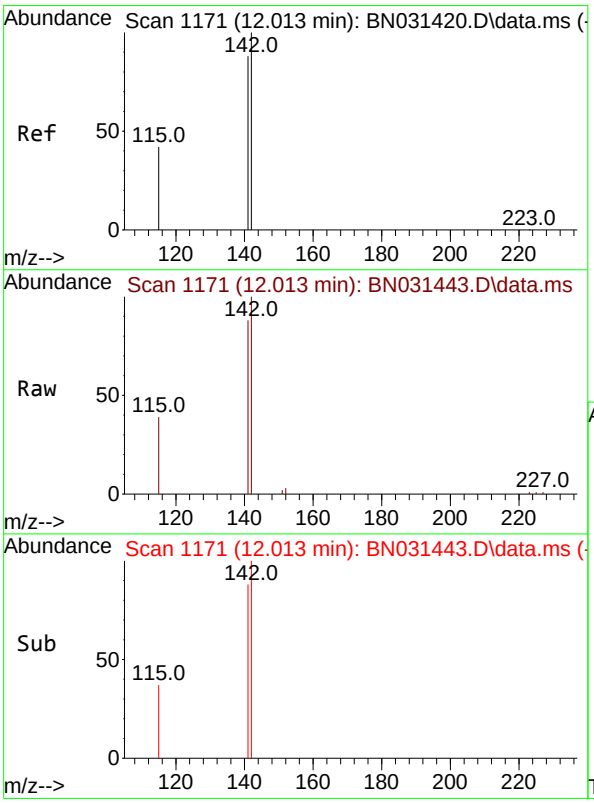
#11
2-Methylnaphthalene-d10
Concen: 0.495 ng
RT: 11.937 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:152 Resp: 7798

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.7	25.1

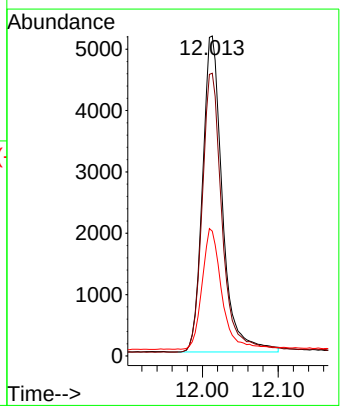


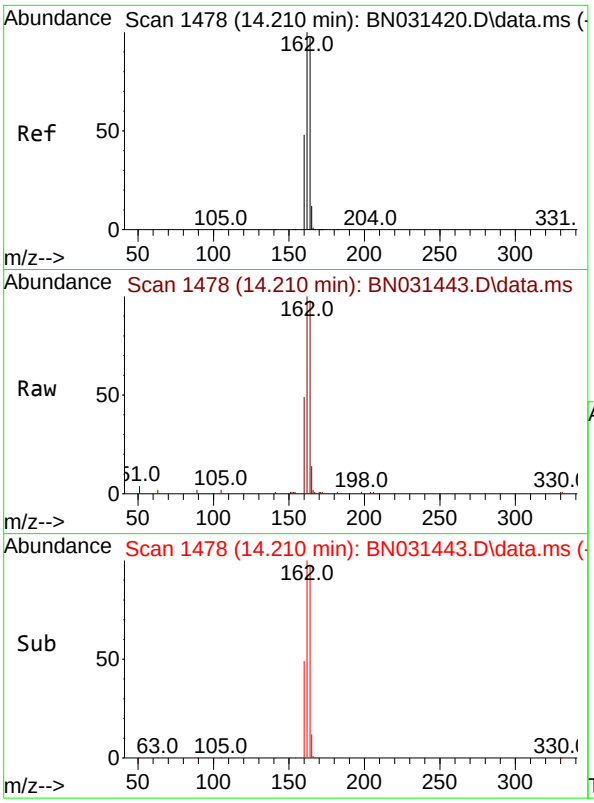


#12
2-Methylnaphthalene
Concen: 0.511 ng
RT: 12.013 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:142 Resp: 9375

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.2
115	39.0	34.2	51.4



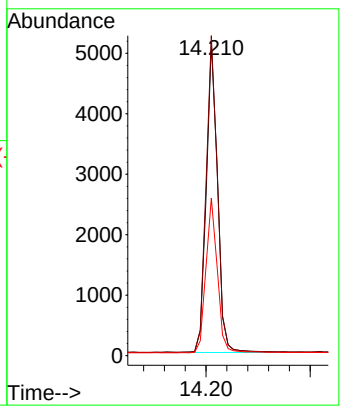


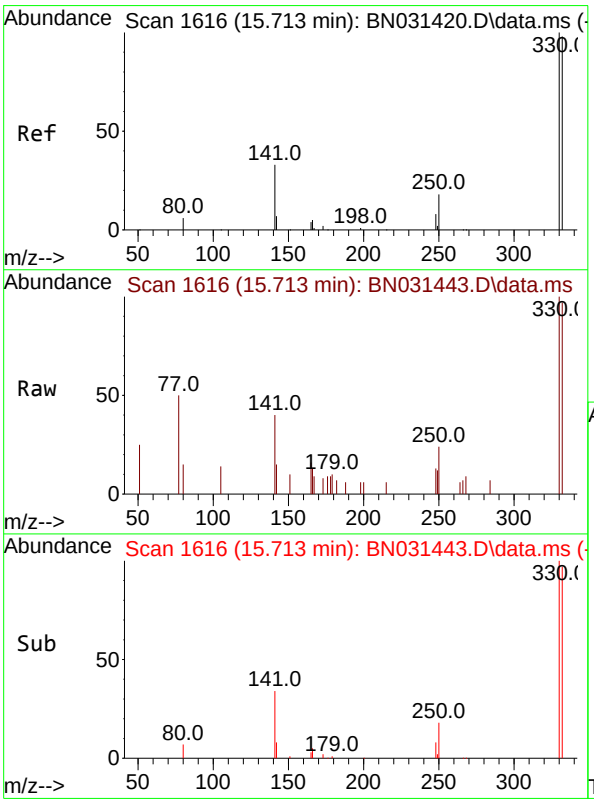
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.210 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:164 Resp: 7688

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.3	123.5
160	50.4	40.2	60.2

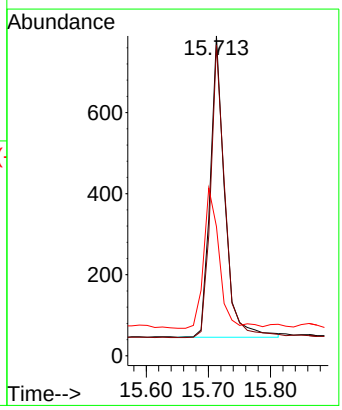


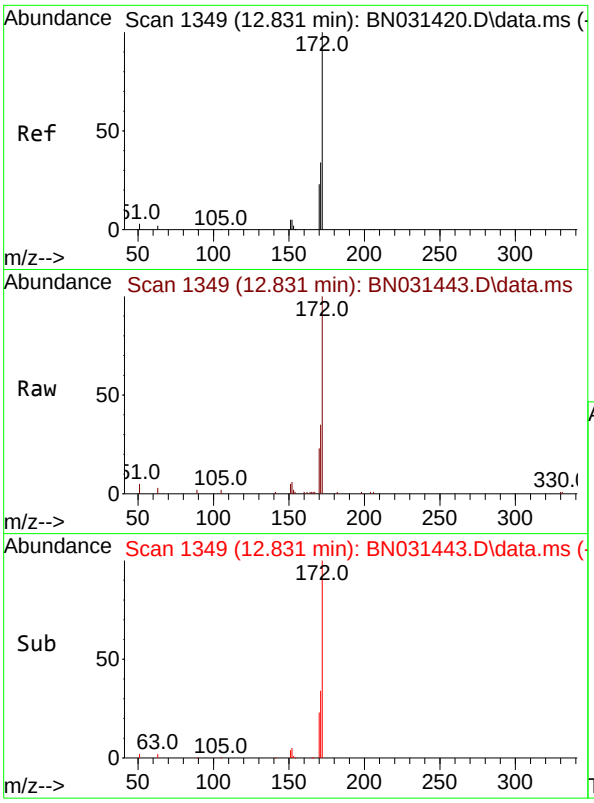


#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.713 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:330 Resp: 1207

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.5	116.3
141	50.0	39.3	58.9



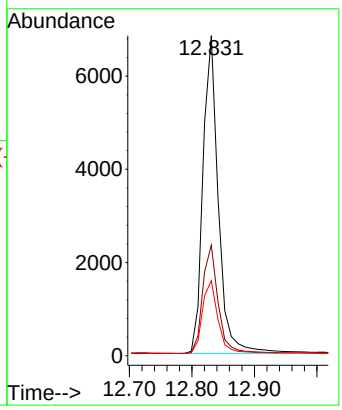


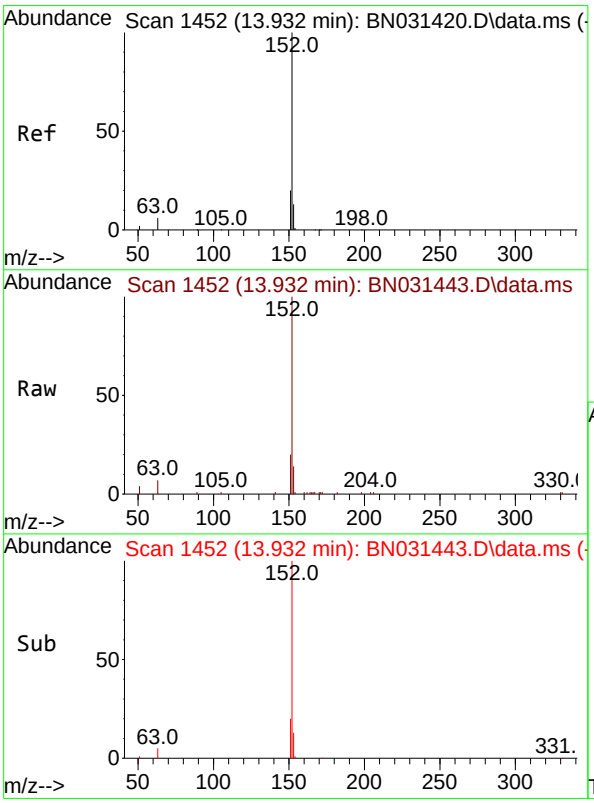
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:172 Resp: 11668

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.0	42.0
170	23.4	18.9	28.3

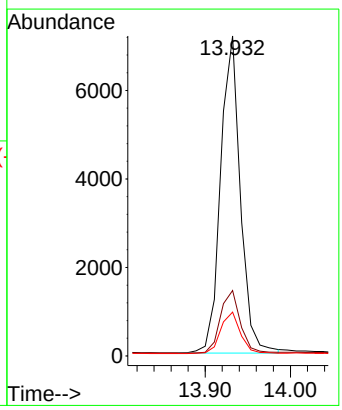


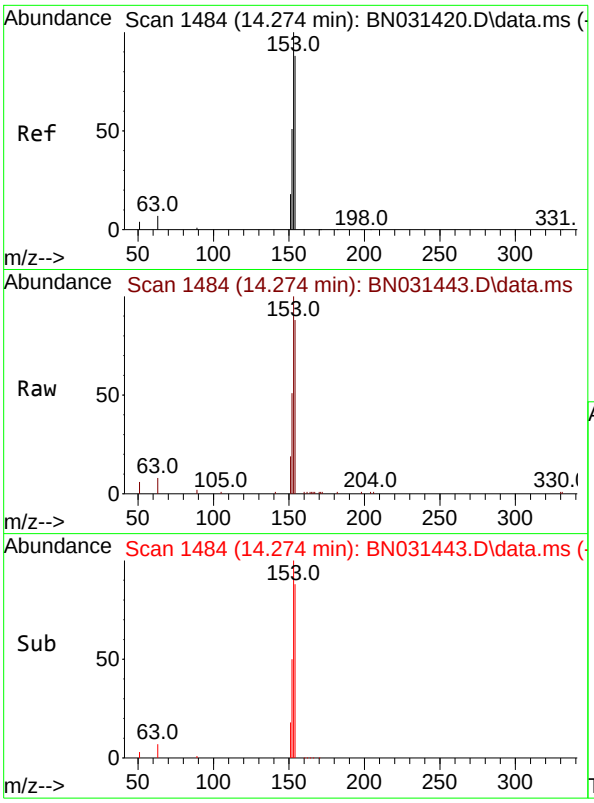


#16
Acenaphthylene
Concen: 0.343 ng
RT: 13.932 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:152 Resp: 11565

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.0	10.5	15.7



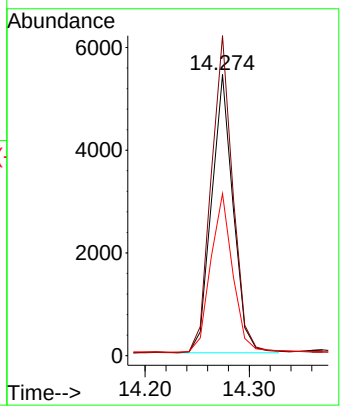


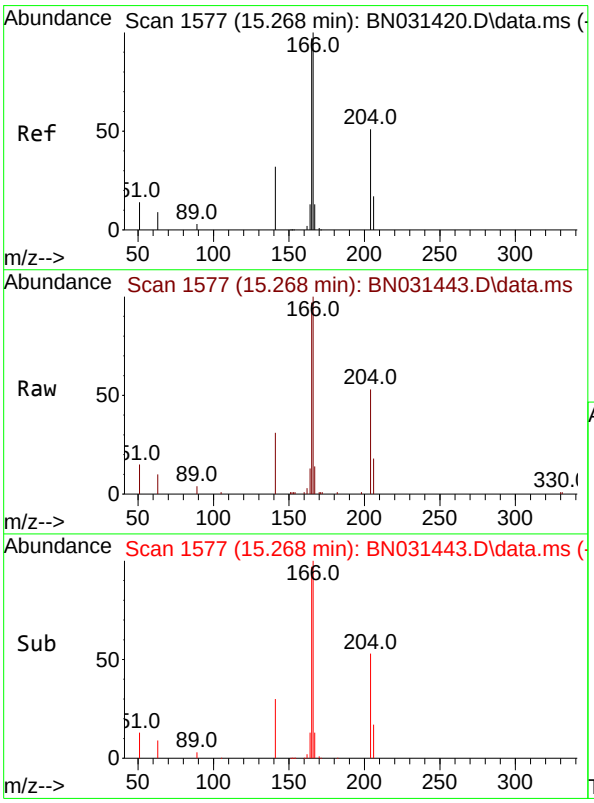
#17
Acenaphthene
Concen: 0.338 ng
RT: 14.274 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:154 Resp: 7824

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.4	135.6
152	58.0	46.4	69.6

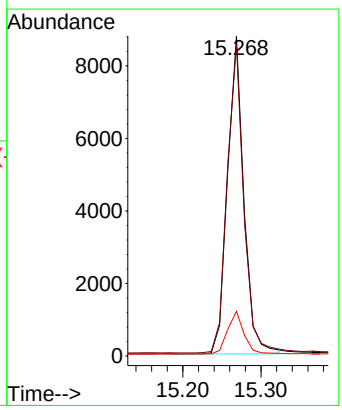


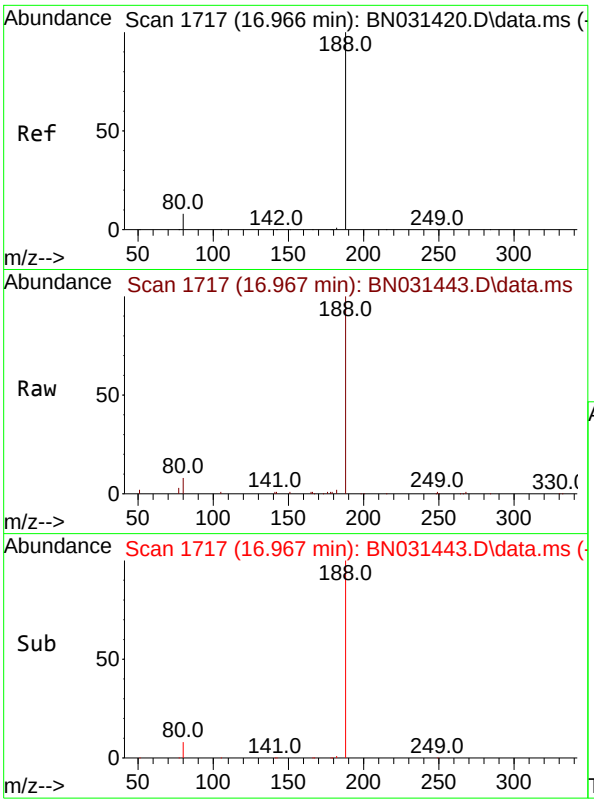


#18
Fluorene
Concen: 0.424 ng
RT: 15.268 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:166 Resp: 12690

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.4	117.6
167	13.5	10.8	16.2



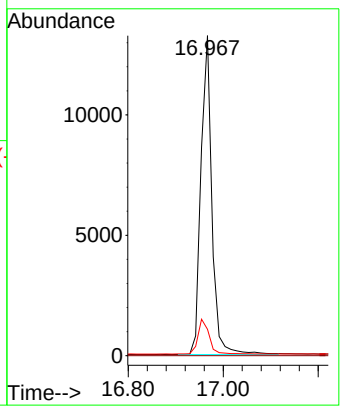


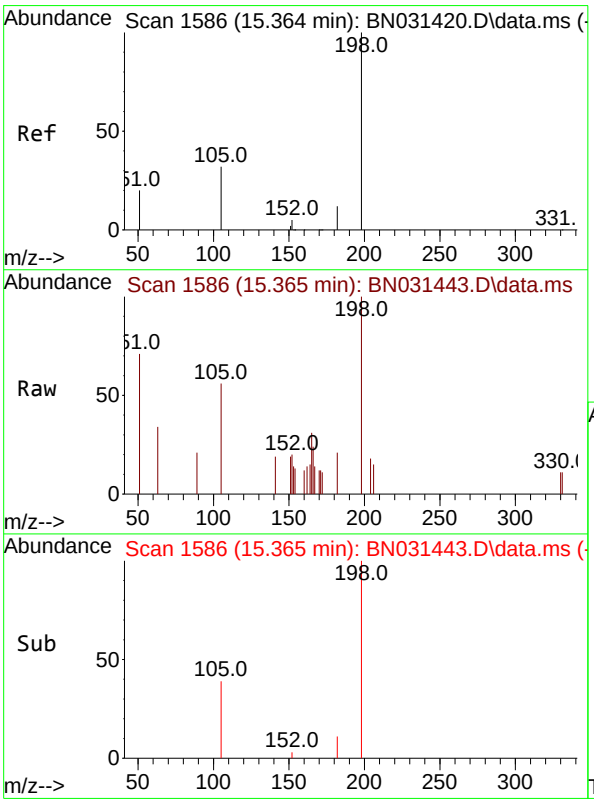
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.967 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:188 Resp: 21332

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.8	10.2

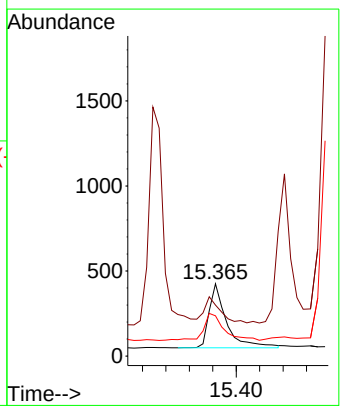


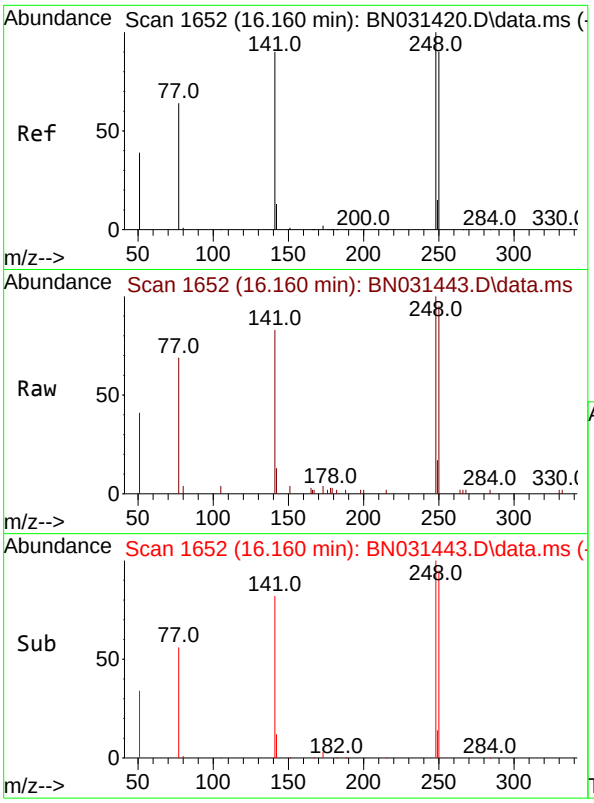


#20
4,6-Dinitro-2-methylphenol
Concen: 0.265 ng
RT: 15.365 min Scan# 1586
Delta R.T. 0.001 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:198 Resp: 784

Ion	Ratio	Lower	Upper
198	100		
51	70.6	47.4	71.2
105	55.8	35.7	53.5#



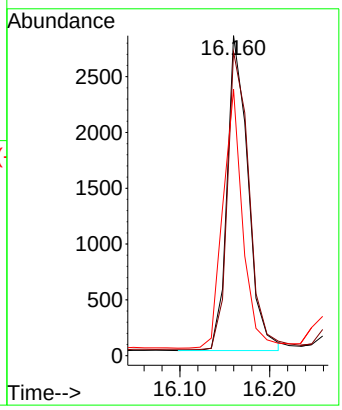


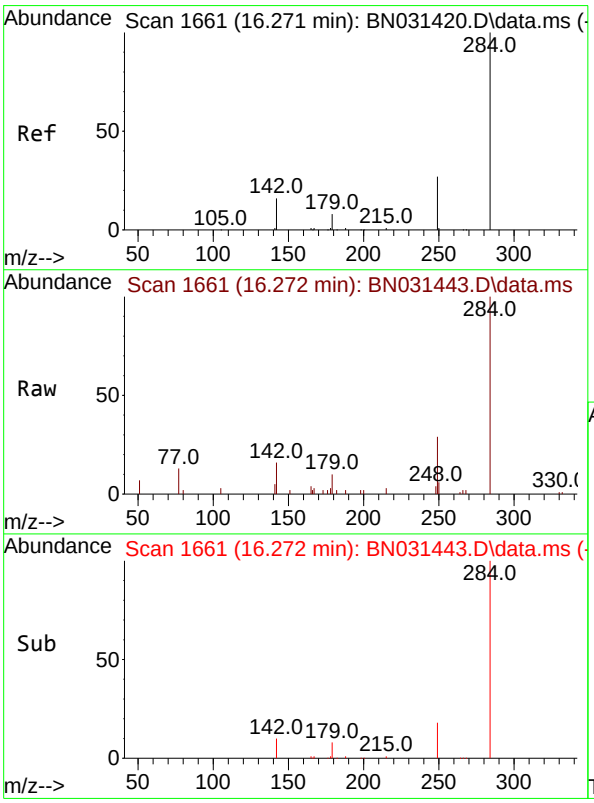
#21
4-Bromophenyl-phenylether
Concen: 0.370 ng
RT: 16.160 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:248 Resp: 4560

Ion	Ratio	Lower	Upper
248	100		
250	94.9	72.3	108.5
141	83.2	72.9	109.3

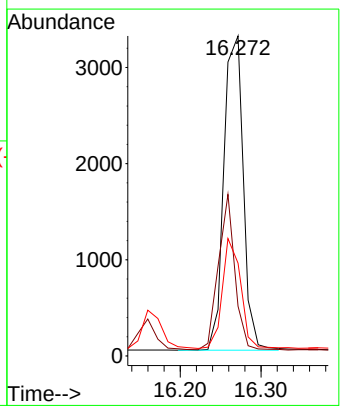


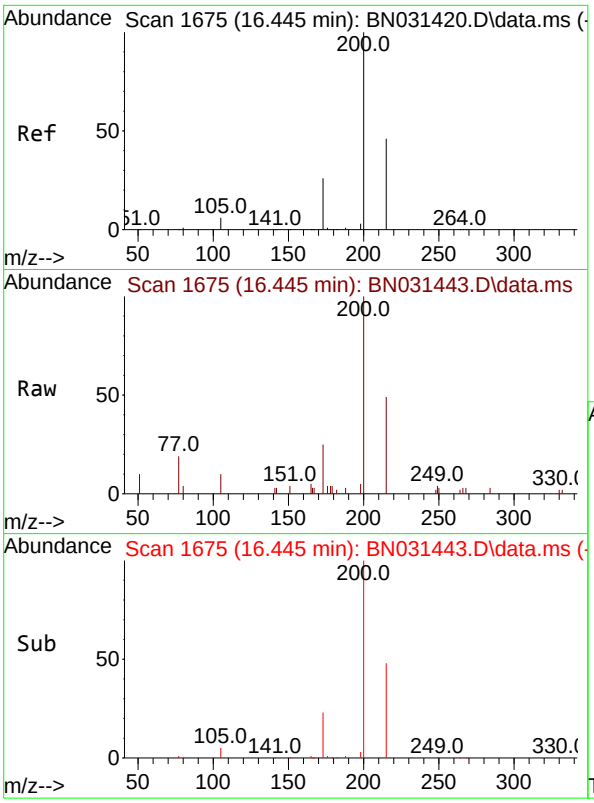


#22
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.272 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:284 Resp: 5451

Ion	Ratio	Lower	Upper
284	100		
142	41.7	33.8	50.8
249	33.0	25.8	38.8



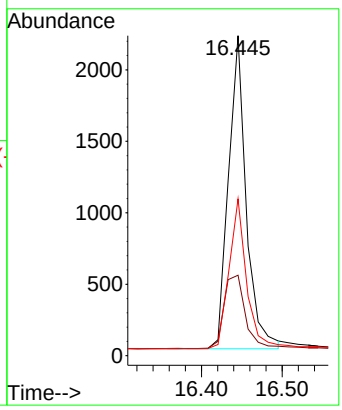


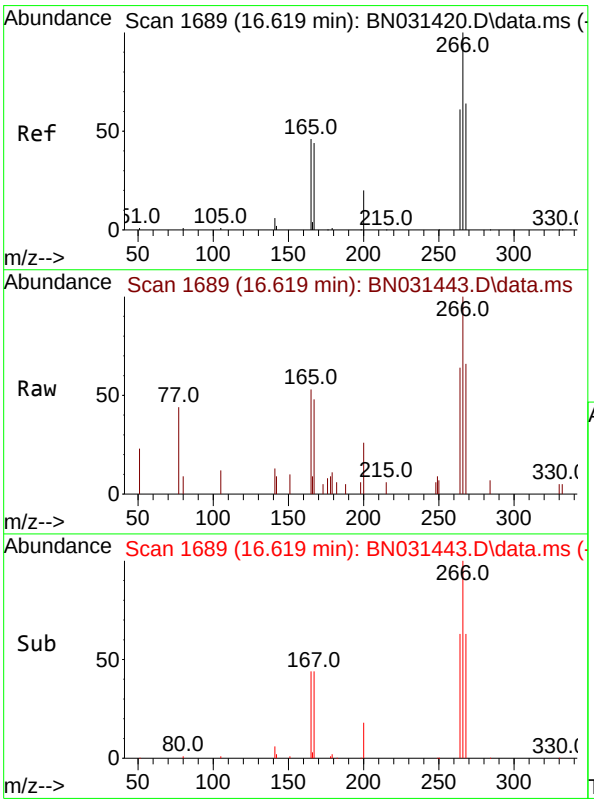
#23
Atrazine
Concen: 0.346 ng
RT: 16.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:200 Resp: 3340

Ion	Ratio	Lower	Upper
200	100		
173	25.1	21.8	32.6
215	49.0	37.5	56.3

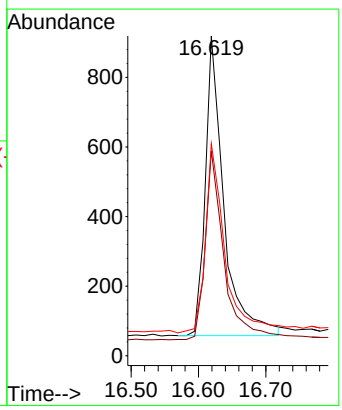


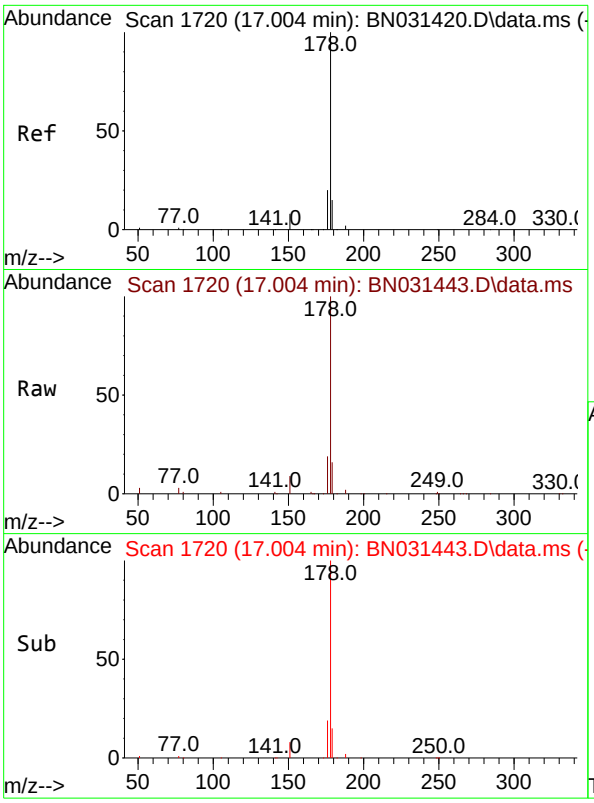


#24
Pentachlorophenol
Concen: 0.364 ng
RT: 16.619 min Scan# 1689
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:266 Resp: 1654

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.0	73.4
268	65.8	51.0	76.4



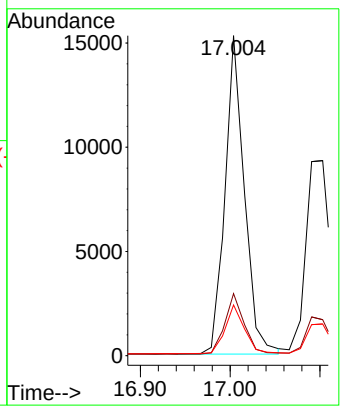


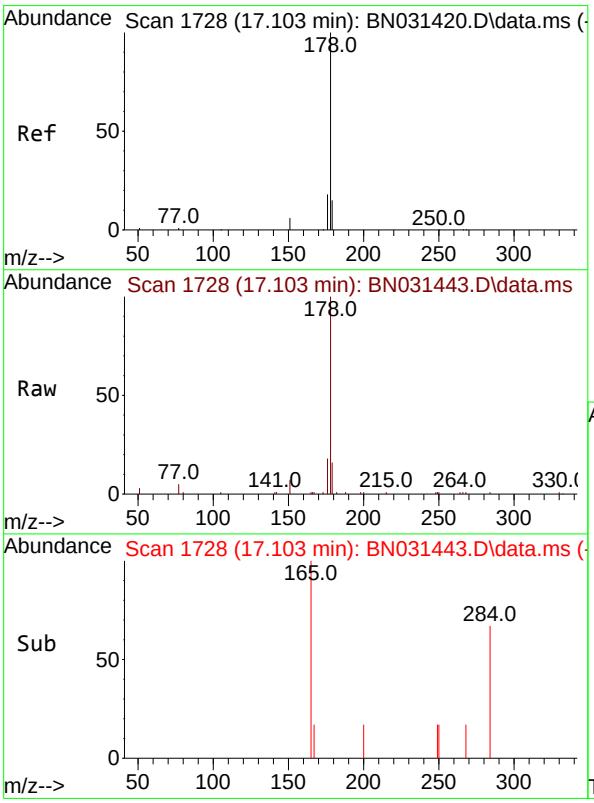
#25
Phenanthrene
Concen: 0.374 ng
RT: 17.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:178 Resp: 22891

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

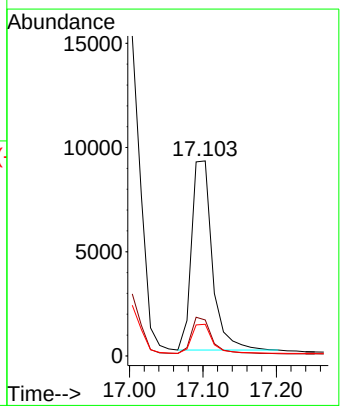


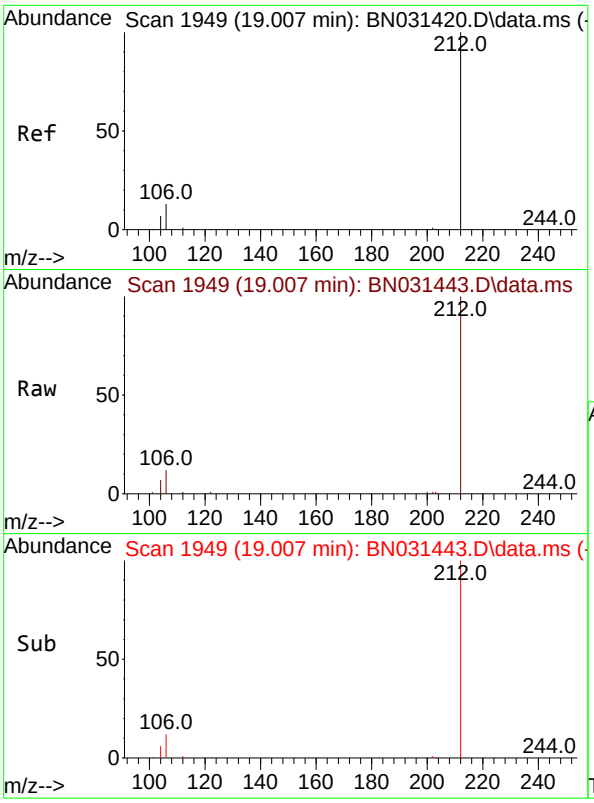


#26
Anthracene
Concen: 0.348 ng
RT: 17.103 min Scan# 1728
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:178 Resp: 17897

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.5	21.7
179	15.4	12.1	18.1



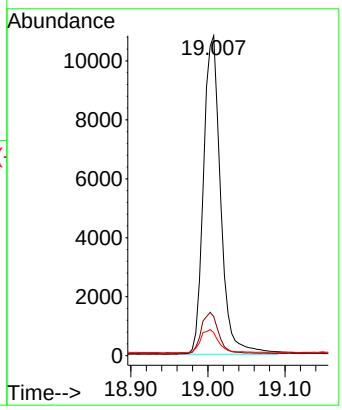


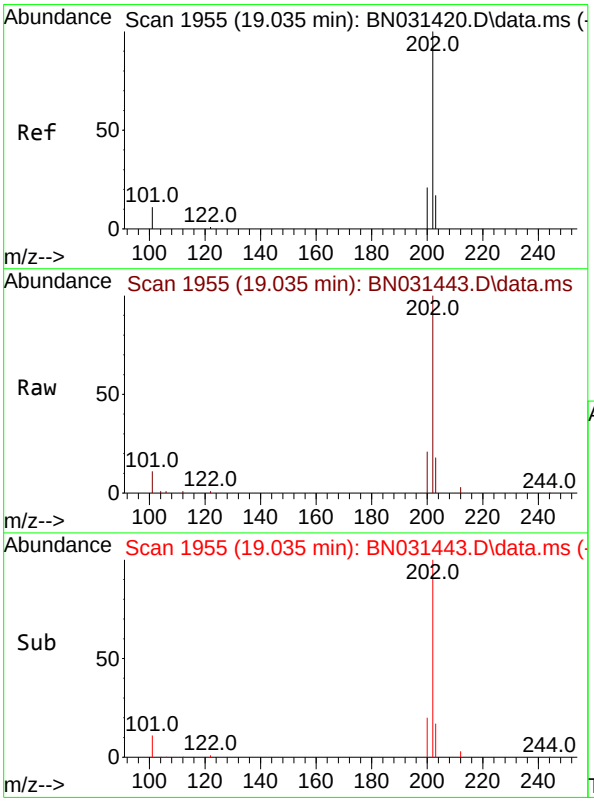
#27
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:212 Resp: 16704

Ion	Ratio	Lower	Upper
212	100		
106	13.4	11.5	17.3
104	7.6	6.4	9.6

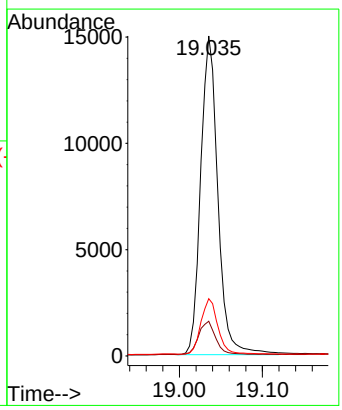


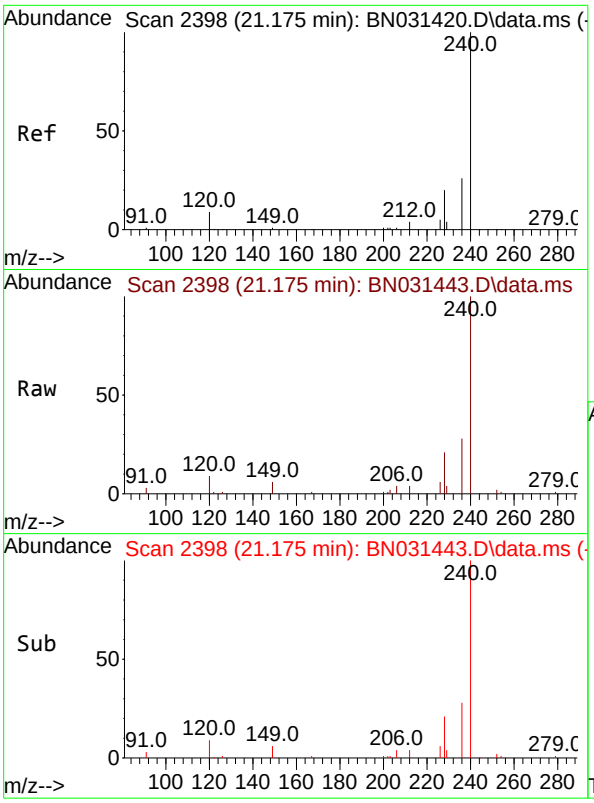


#28
Fluoranthene
Concen: 0.289 ng
RT: 19.035 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:202 Resp: 21640

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.2	13.8
203	17.2	13.7	20.5



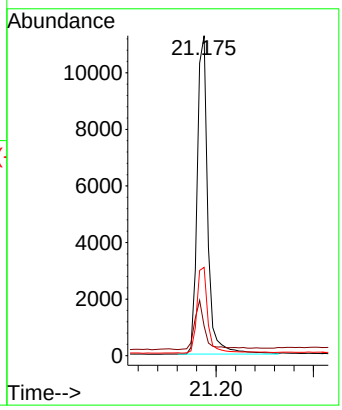


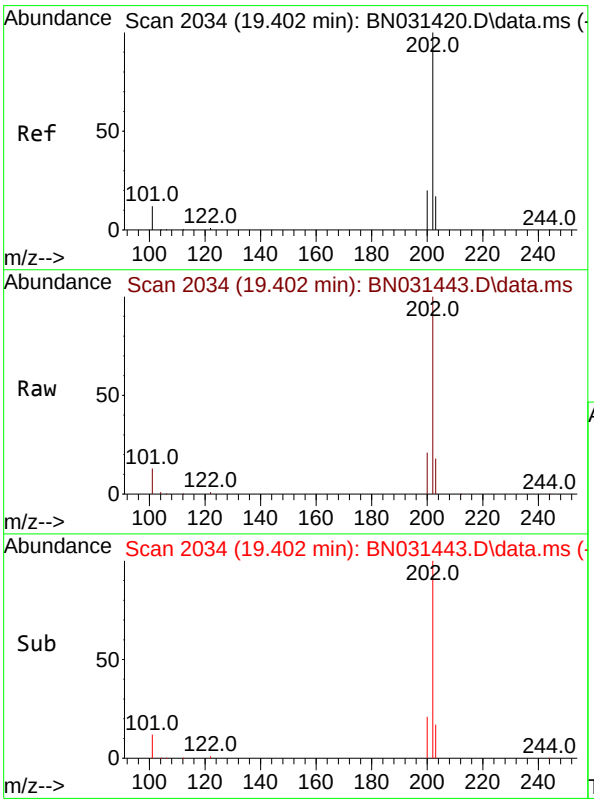
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.175 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:240 Resp: 16909

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.9	11.9
236	27.6	21.4	32.2

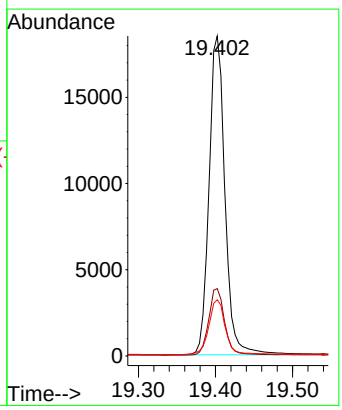


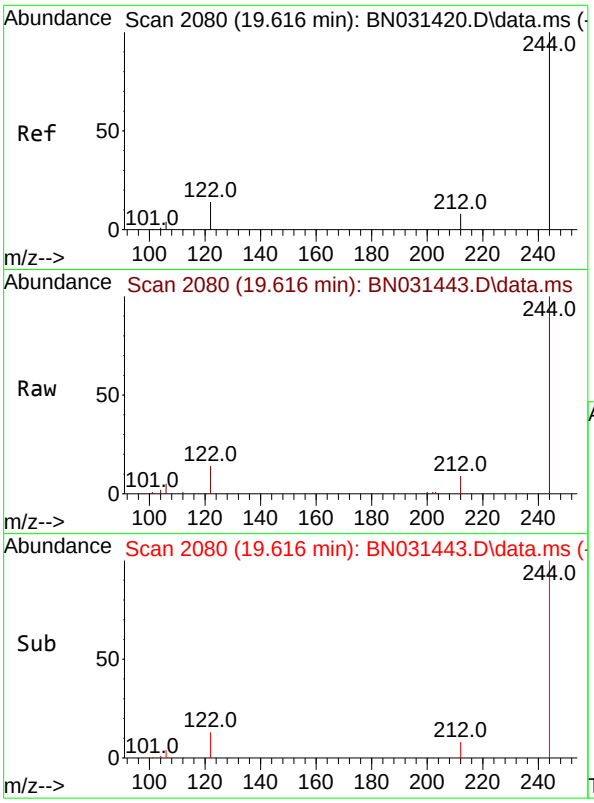


#30
Pyrene
Concen: 0.455 ng
RT: 19.402 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:202 Resp: 26503

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	17.9	14.3	21.5



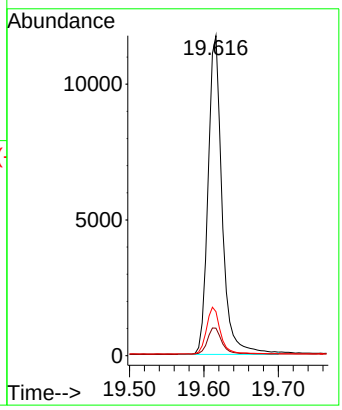


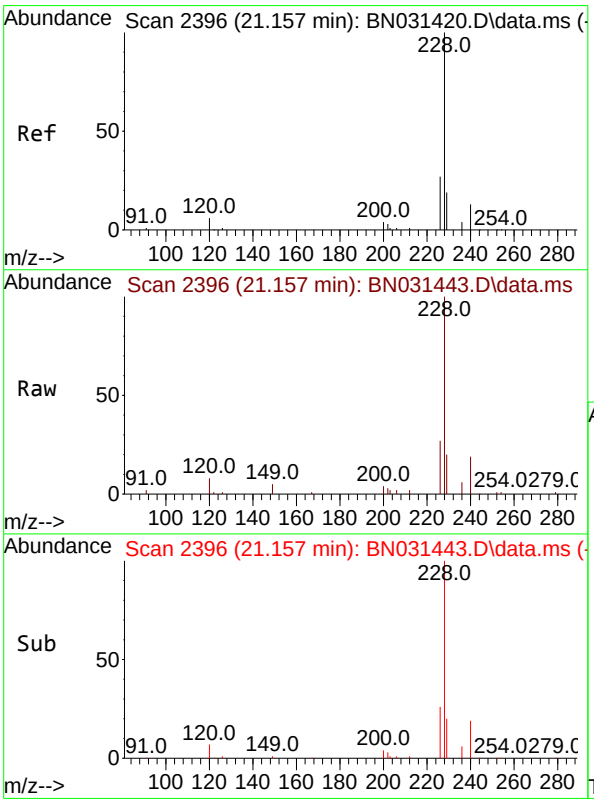
#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.616 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:244 Resp: 15426

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	13.7	11.4	17.2

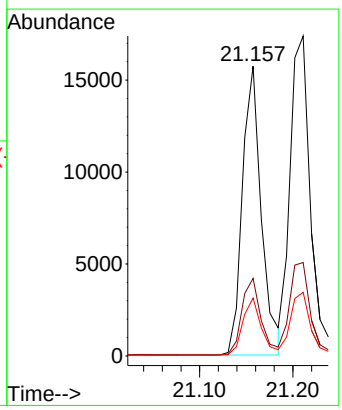


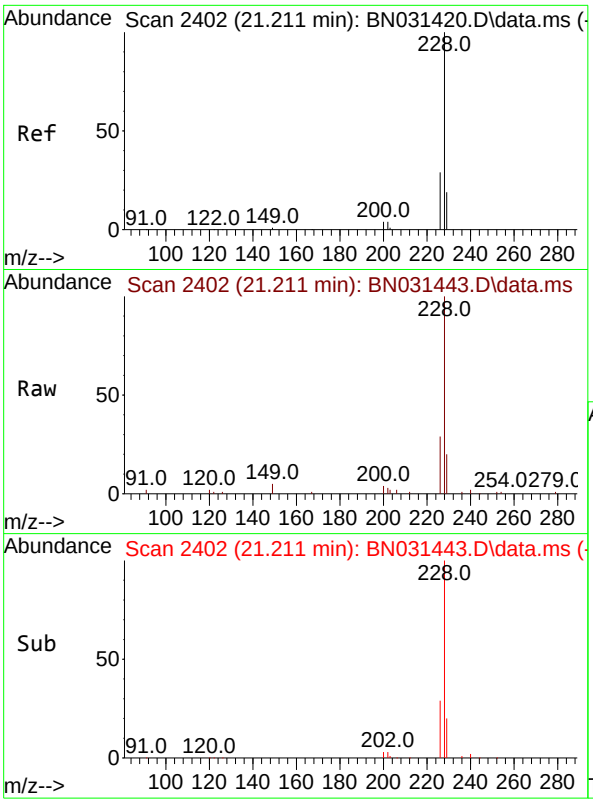


#32
Benzo(a)anthracene
Concen: 0.380 ng
RT: 21.157 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:228 Resp: 22214

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.6
229	20.0	15.6	23.4



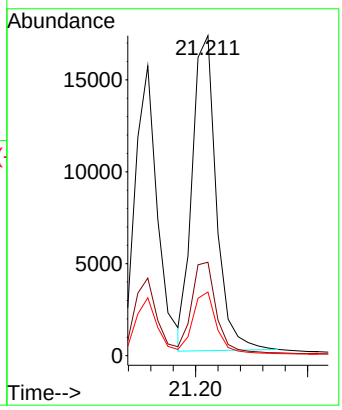


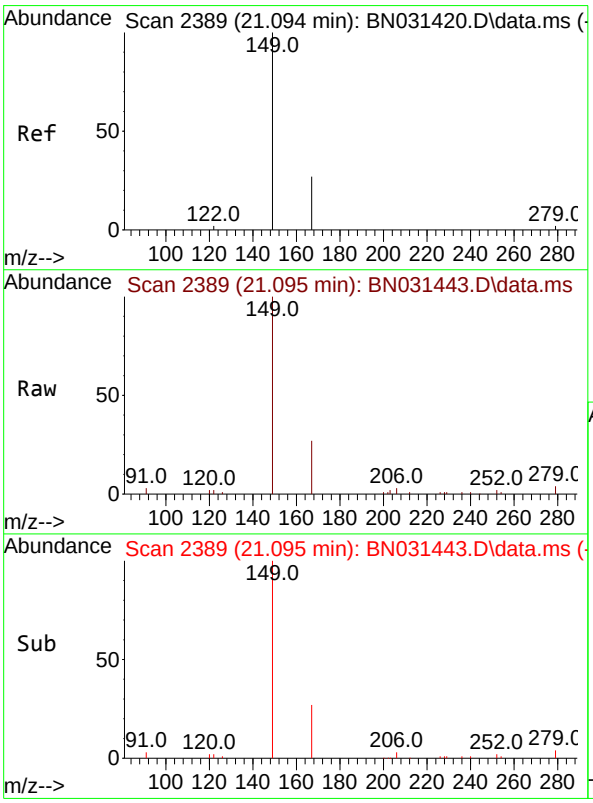
#33
Chrysene
Concen: 0.422 ng
RT: 21.211 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:228 Resp: 25679

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	19.9	15.8	23.8

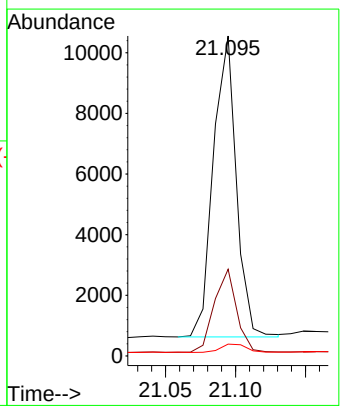


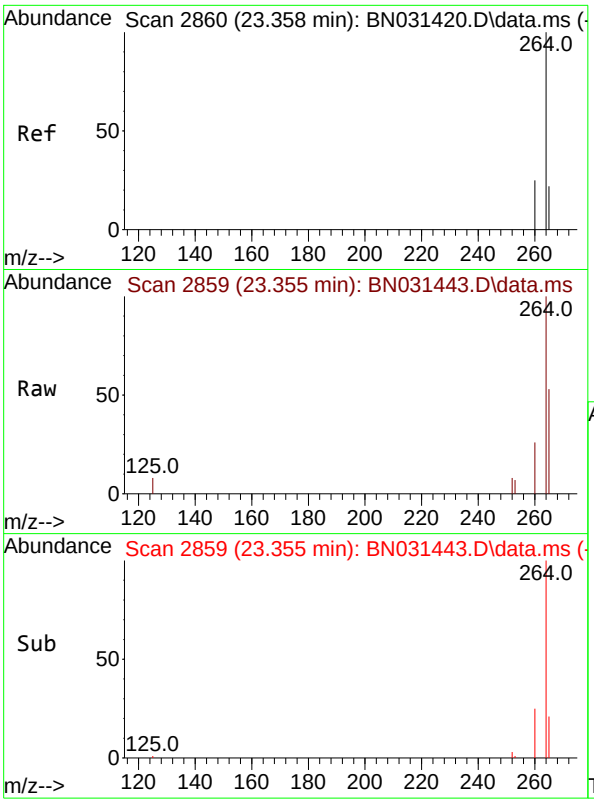


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.367 ng
RT: 21.095 min Scan# 2389
Delta R.T. 0.001 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:149 Resp: 11333

Ion	Ratio	Lower	Upper
149	100		
167	26.8	23.0	34.4
279	3.2	3.2	4.8#



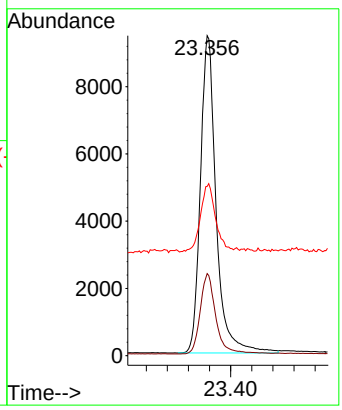


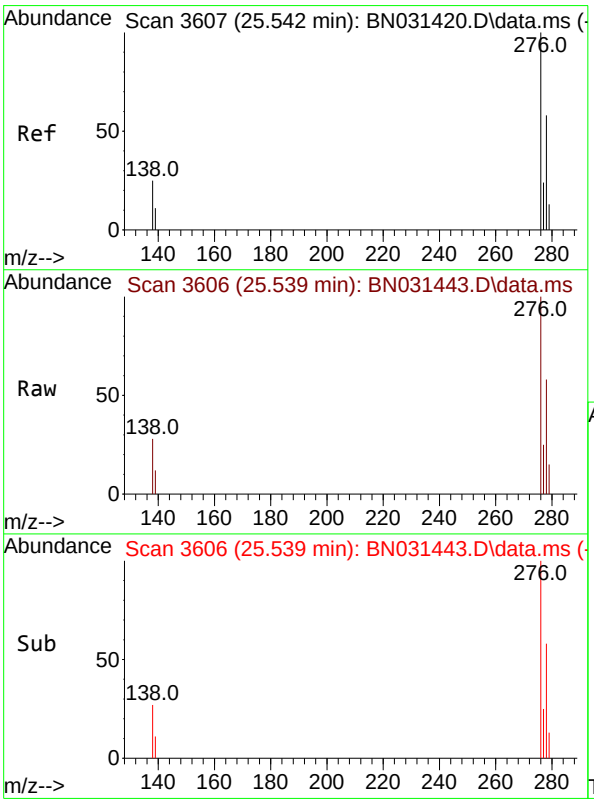
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.355 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:264 Resp: 19484

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.4
265	52.9	43.4	65.2

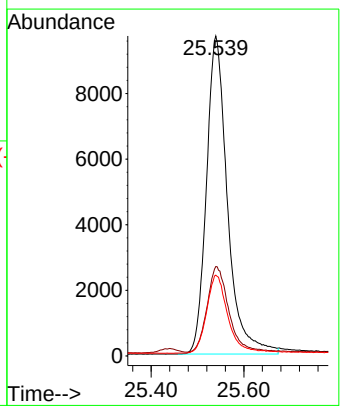


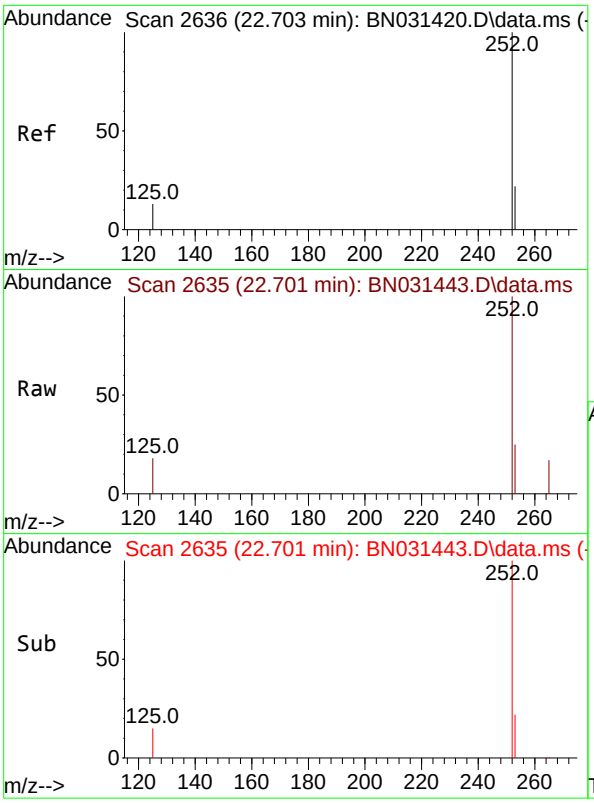


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.539 min Scan# 3606
Delta R.T. -0.003 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:276 Resp: 30622

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.5	32.3
277	24.8	19.8	29.8



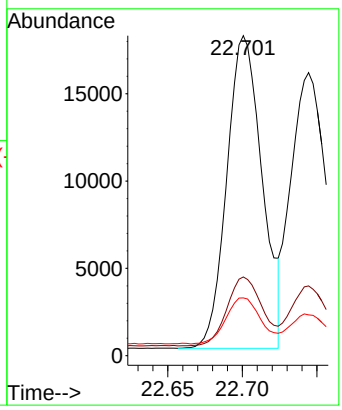


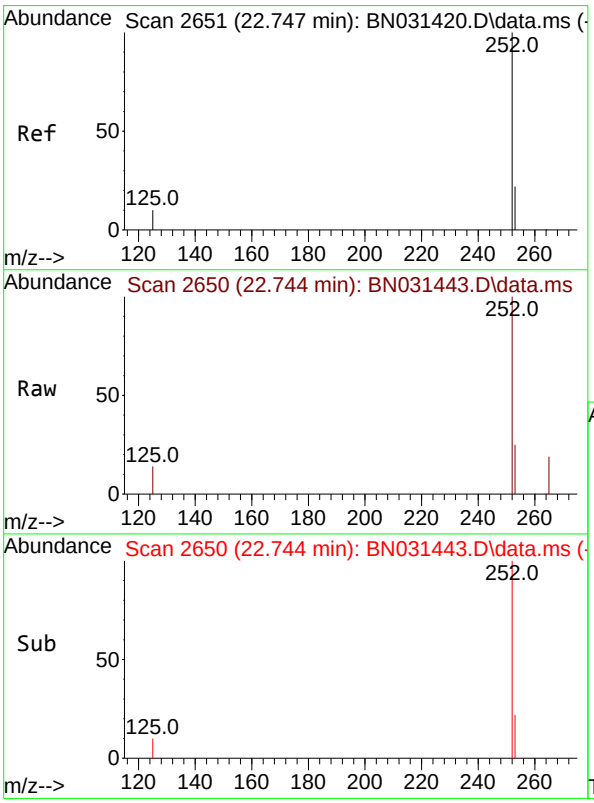
#37
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 22.701 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:252 Resp: 29472

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.5	29.3
125	18.0	12.9	19.3

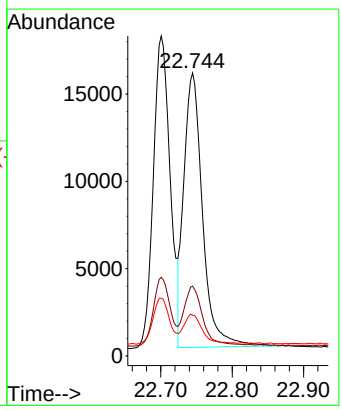


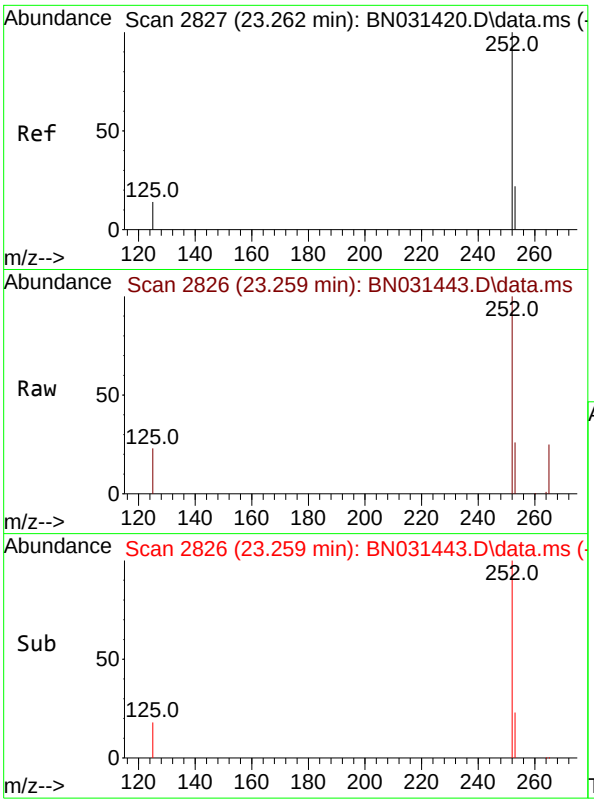


#38
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 22.744 min Scan# 2650
Delta R.T. -0.003 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:252 Resp: 28571

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.5	29.3
125	14.4	11.5	17.3



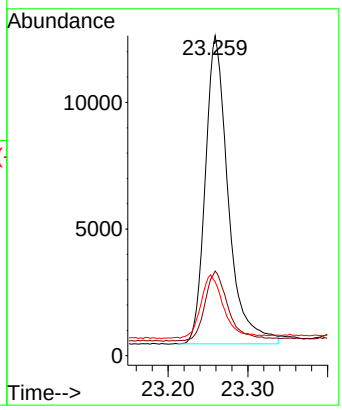


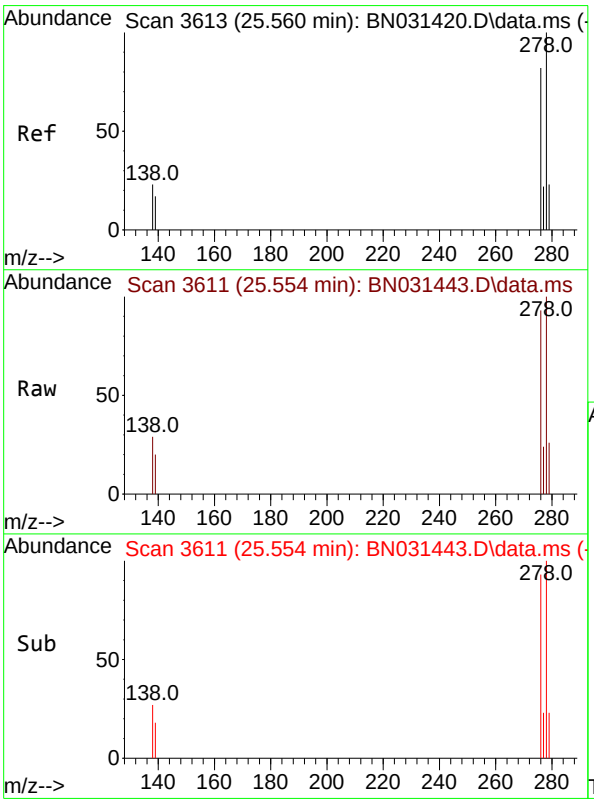
#39
Benzo(a)pyrene
Concen: 0.379 ng
RT: 23.259 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:252 Resp: 24316

Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.8	31.2
125	23.1	15.2	22.8#

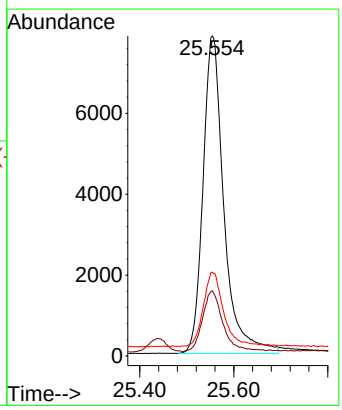


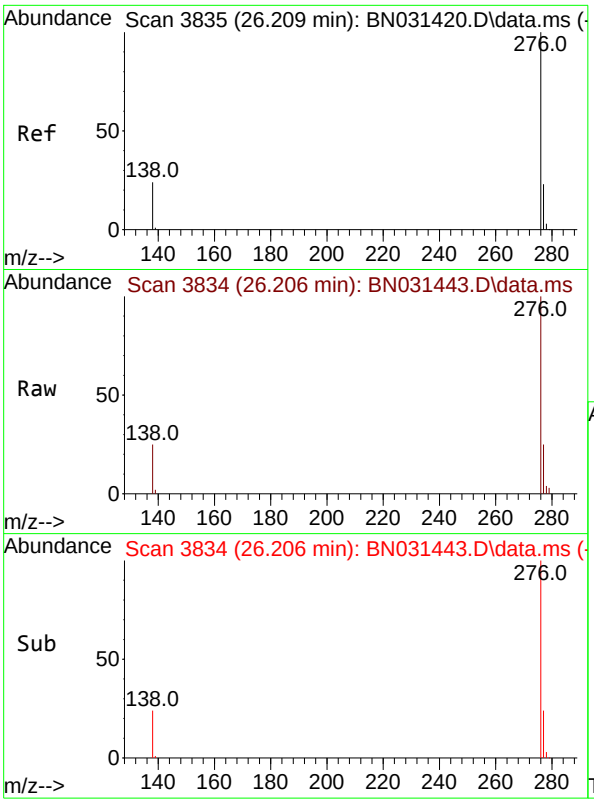


#40
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 25.554 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Tgt Ion:278 Resp: 24239

Ion	Ratio	Lower	Upper
278	100		
139	20.3	14.7	22.1
279	26.2	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.369 ng
RT: 26.206 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN031443.D
Acq: 08 May 2024 17:06

Instrument :
BNA_N
ClientSampleId :
PB160578BSD

Tgt Ion:276 Resp: 23246

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	24.9	19.7	29.5