Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050824\
Data File : BN031435.D
Acq On : 08 May 2024 12:12
Operator : MA/JU
Sample : PB160696BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Quant Time: May 08 12:55:20 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

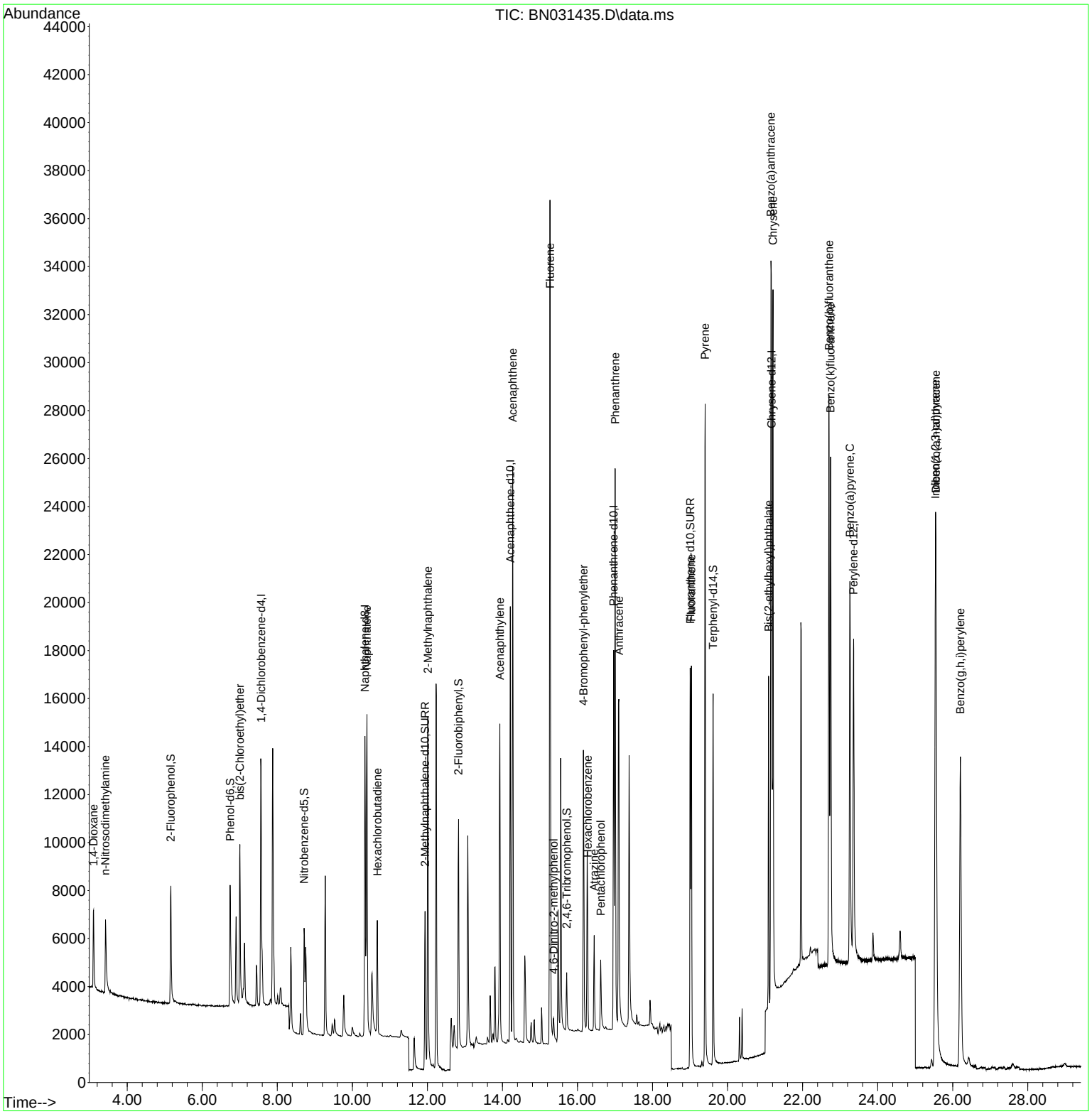
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.567	152	5510	0.400	ng		0.00
7) Naphthalene-d8	10.336	136	17253	0.400	ng		0.00
13) Acenaphthene-d10	14.210	164	9756	0.400	ng		0.00
19) Phenanthrene-d10	16.966	188	21885	0.400	ng		0.00
29) Chrysene-d12	21.175	240	18360	0.400	ng		0.00
35) Perylene-d12	23.358	264	18680	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.162	112	4669	0.362	ng		0.00
5) Phenol-d6	6.743	99	5436	0.355	ng		0.00
8) Nitrobenzene-d5	8.713	82	4454	0.294	ng		0.00
11) 2-Methylnaphthalene-d10	11.937	152	9949	0.489	ng		0.00
14) 2,4,6-Tribromophenol	15.713	330	1317	0.274	ng		0.00
15) 2-Fluorobiphenyl	12.831	172	9220	0.255	ng		0.00
27) Fluoranthene-d10	19.003	212	18803	0.318	ng		0.00
31) Terphenyl-d14	19.616	244	15726	0.337	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.103	88	2483	0.378	ng		98
3) n-Nitrosodimethylamine	3.421	42	2412	0.367	ng	#	96
6) bis(2-Chloroethyl)ether	7.003	93	5217	0.364	ng		99
9) Naphthalene	10.389	128	17819	0.370	ng		99
10) Hexachlorobutadiene	10.667	225	3743	0.372	ng	#	100
12) 2-Methylnaphthalene	12.013	142	11698	0.498	ng		97
16) Acenaphthylene	13.932	152	15282	0.357	ng		100
17) Acenaphthene	14.274	154	11422	0.389	ng		99
18) Fluorene	15.268	166	14792	0.390	ng		99
20) 4,6-Dinitro-2-methylph...	15.365	198	924	0.300	ng	#	79
21) 4-Bromophenyl-phenylether	16.160	248	4608	0.365	ng		97
22) Hexachlorobenzene	16.271	284	5548	0.384	ng		100
23) Atrazine	16.445	200	3332	0.336	ng		98
24) Pentachlorophenol	16.619	266	1637	0.357	ng		98
25) Phenanthrene	17.004	178	22851	0.364	ng		100
26) Anthracene	17.103	178	18368	0.348	ng		99
28) Fluoranthene	19.035	202	16143	0.210	ng		98
30) Pyrene	19.402	202	25572	0.401	ng		100
32) Benzo(a)anthracene	21.157	228	23300	0.368	ng		99
33) Chrysene	21.211	228	26342	0.399	ng		99
34) Bis(2-ethylhexyl)phtha...	21.094	149	11627	0.347	ng		96
36) Indeno(1,2,3-cd)pyrene	25.539	276	29710	0.394	ng		100
37) Benzo(b)fluoranthene	22.703	252	27911	0.381	ng		98
38) Benzo(k)fluoranthene	22.747	252	28495	0.396	ng		99
39) Benzo(a)pyrene	23.262	252	23682	0.385	ng		97
40) Dibenzo(a,h)anthracene	25.554	278	23536	0.396	ng		98
41) Benzo(g,h,i)perylene	26.203	276	26543	0.440	ng		100

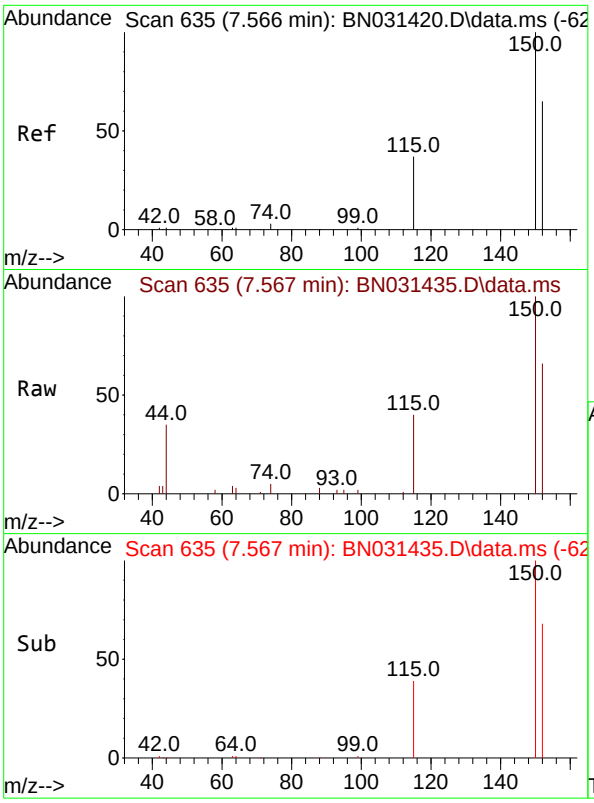
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050824\
Data File : BN031435.D
Acq On : 08 May 2024 12:12
Operator : MA/JU
Sample : PB160696BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Quant Time: May 08 12:55:20 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



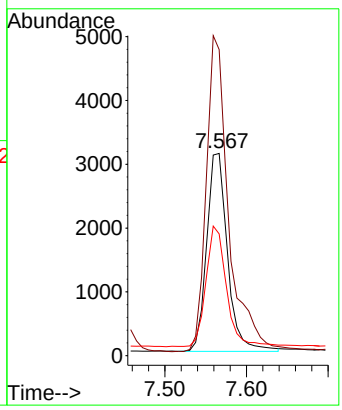


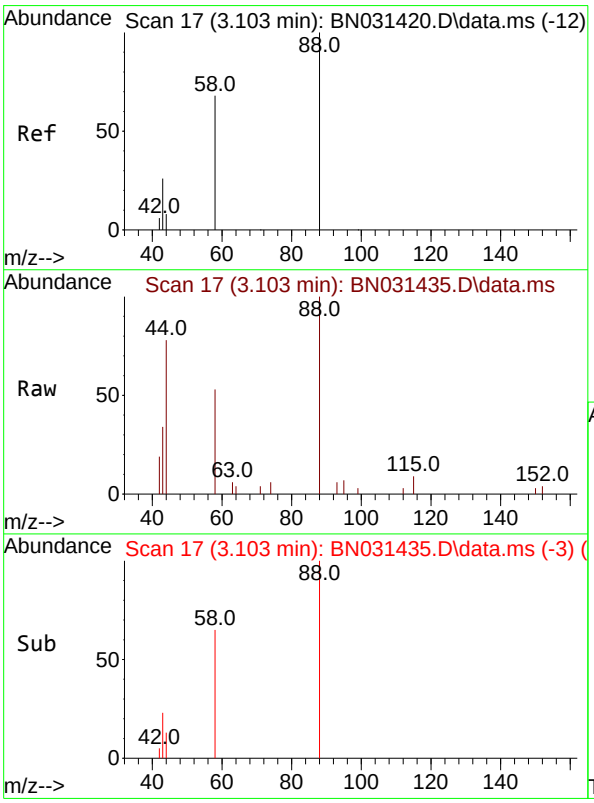
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.567 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:152 Resp: 5510

Ion	Ratio	Lower	Upper
152	100		
150	151.3	122.2	183.2
115	60.2	47.8	71.6

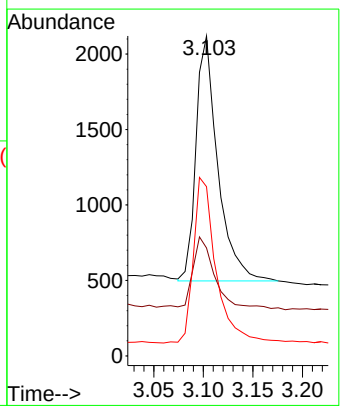


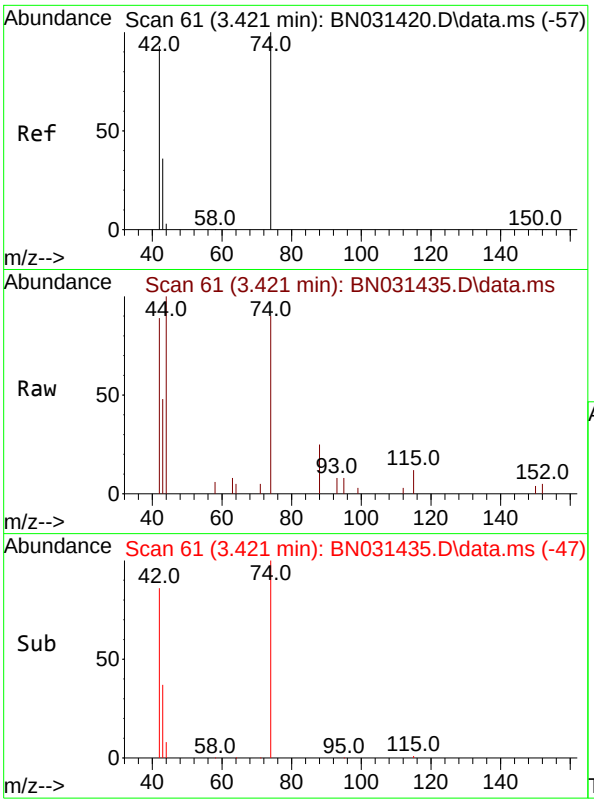


#2
1,4-Dioxane
Concen: 0.378 ng
RT: 3.103 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion: 88 Resp: 2483

Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.8	35.8
58	70.0	54.6	81.8



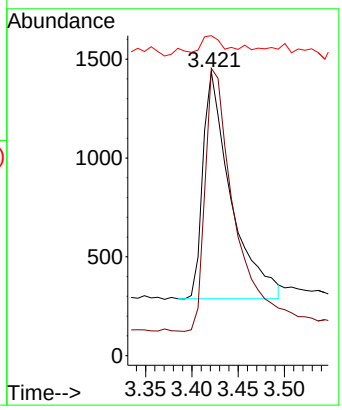


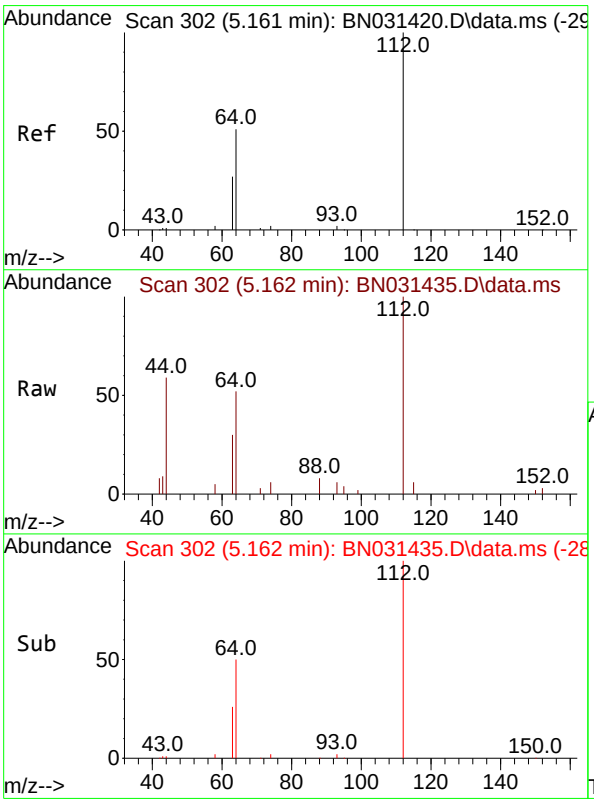
#3
n-Nitrosodimethylamine
Concen: 0.367 ng
RT: 3.421 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion: 42 Resp: 2412

Ion	Ratio	Lower	Upper
42	100		
74	122.0	101.7	152.5
44	5.2	5.3	7.9#

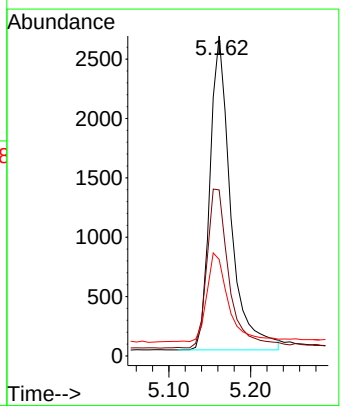


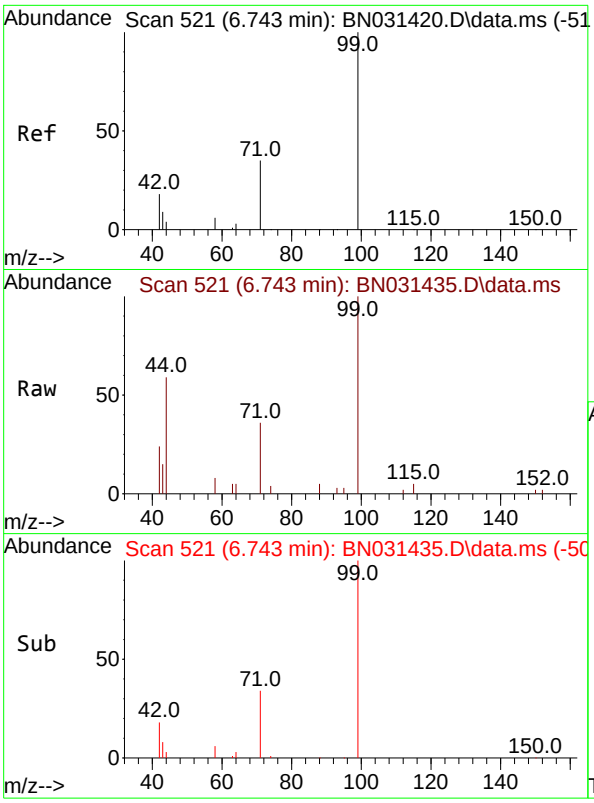


#4
2-Fluorophenol
Concen: 0.362 ng
RT: 5.162 min Scan# 302
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:112 Resp: 4669

Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.4	63.6
63	29.9	22.6	34.0



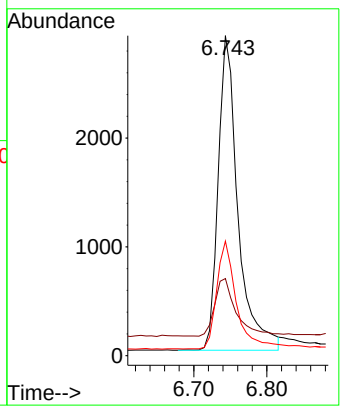


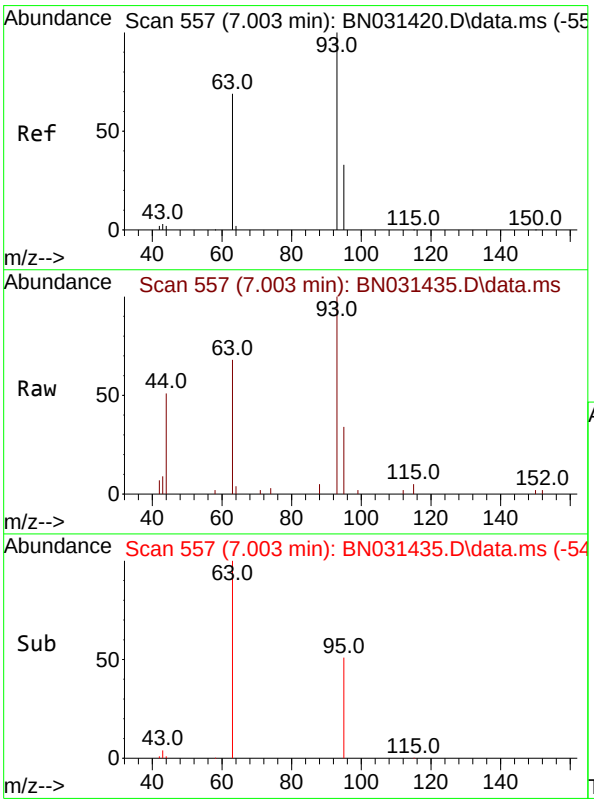
#5
Phenol-d6
Concen: 0.355 ng
RT: 6.743 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion: 99 Resp: 5436

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.8
71	34.1	27.8	41.6

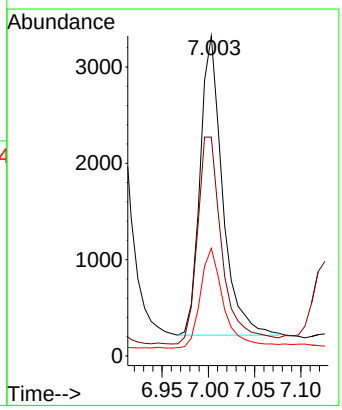


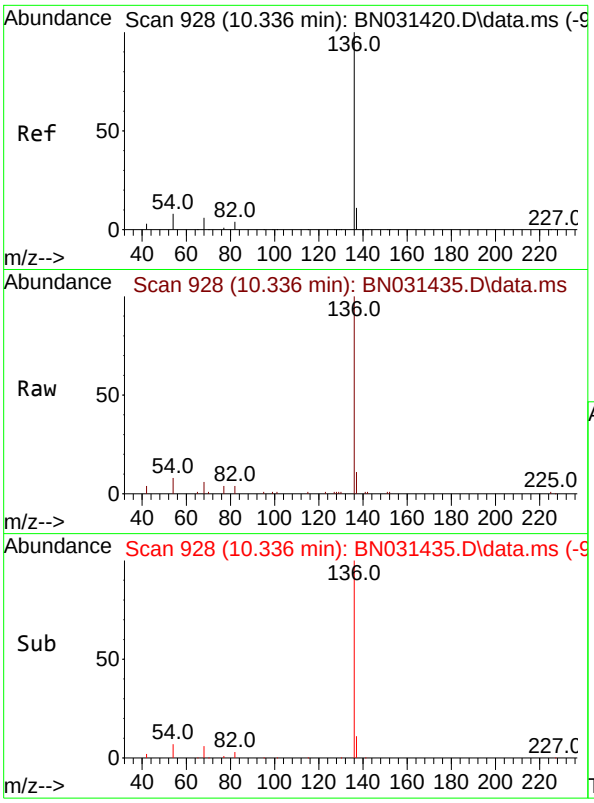


#6
bis(2-Chloroethyl)ether
Concen: 0.364 ng
RT: 7.003 min Scan# 557
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion: 93 Resp: 5217

Ion	Ratio	Lower	Upper
93	100		
63	77.2	60.7	91.1
95	35.2	28.0	42.0



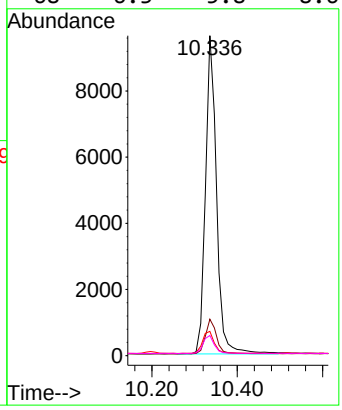


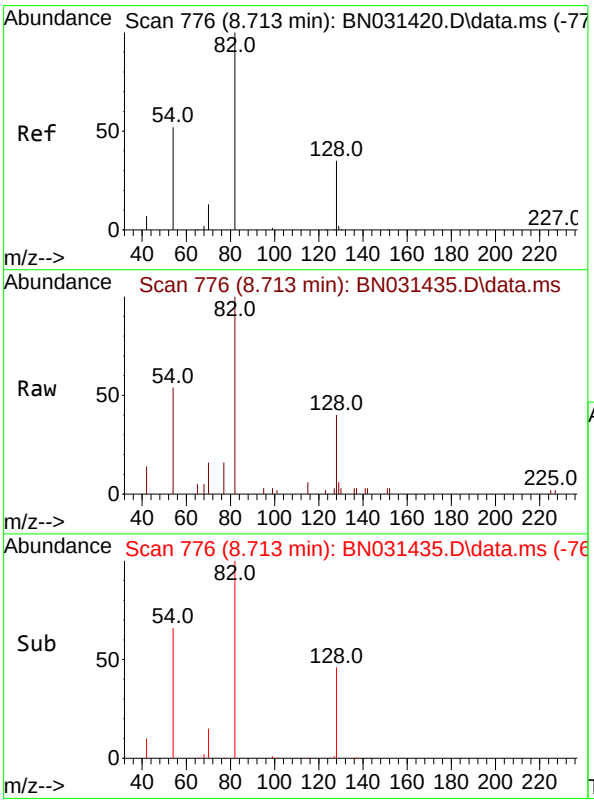
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.336 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:136 Resp: 17253

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	7.6	7.2	10.8
68	6.3	5.8	8.6

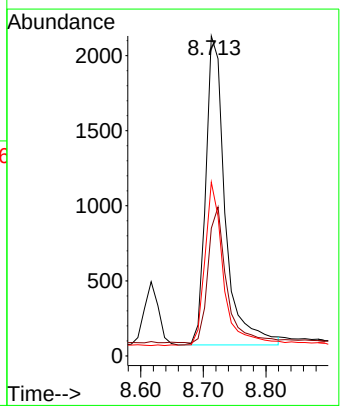


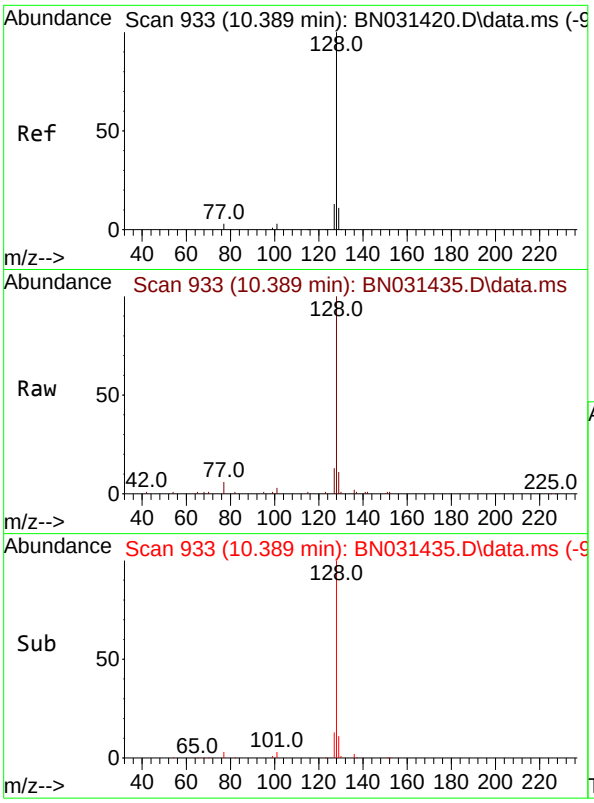


#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 8.713 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion: 82 Resp: 4454

Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.0	45.0
54	54.3	43.4	65.0



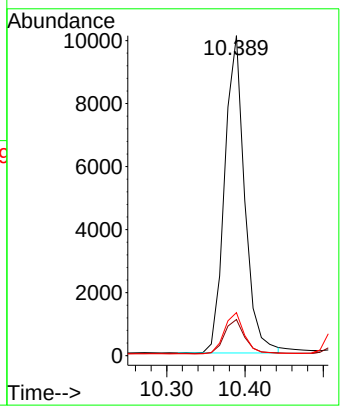


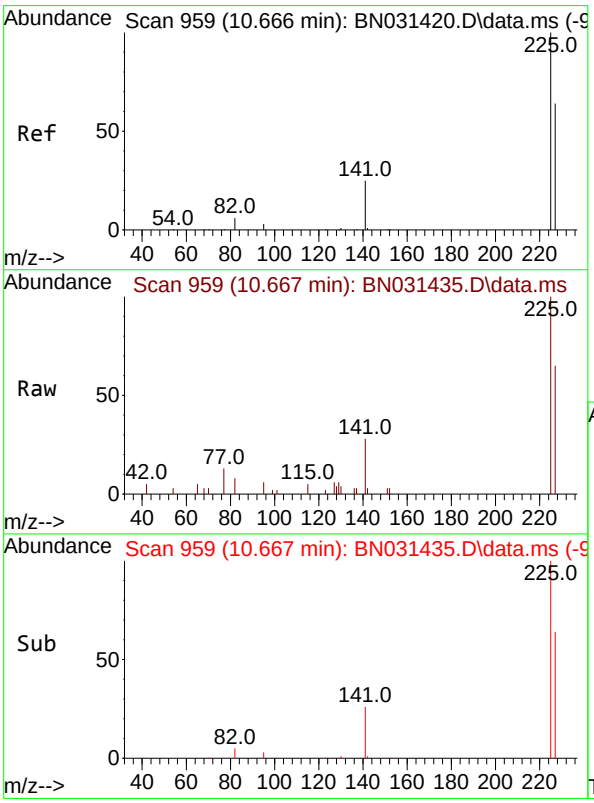
#9
Naphthalene
Concen: 0.370 ng
RT: 10.389 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:128 Resp: 17819

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	13.5	11.1	16.7

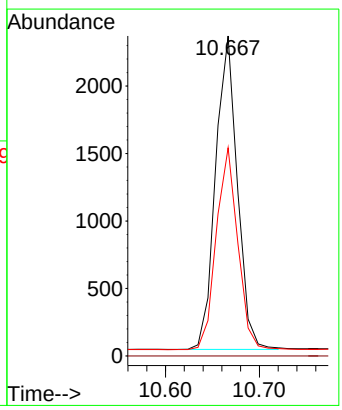


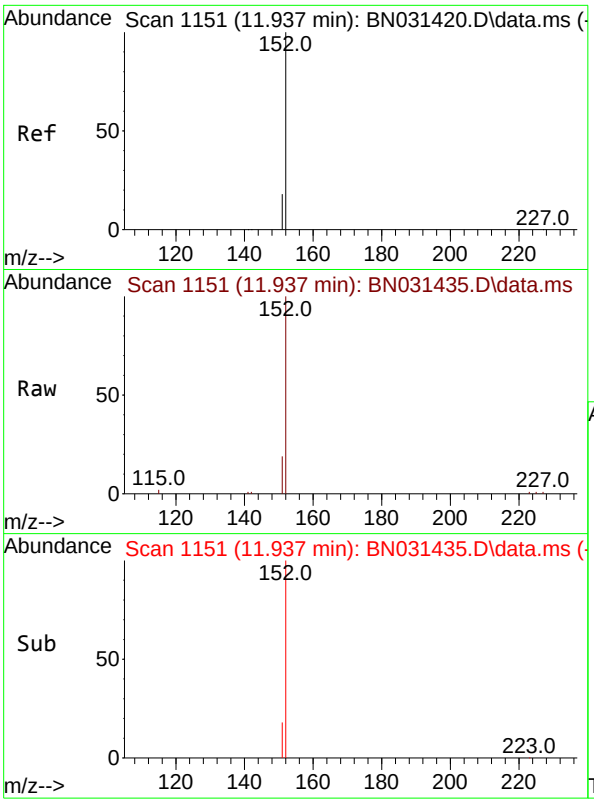


#10
Hexachlorobutadiene
Concen: 0.372 ng
RT: 10.667 min Scan# 959
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:225 Resp: 3743

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.8	76.2



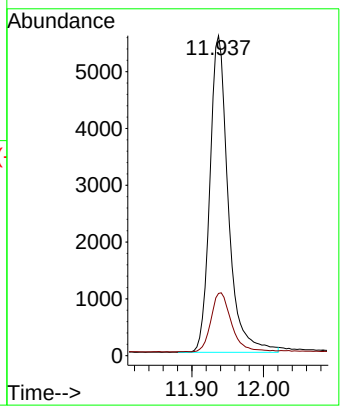


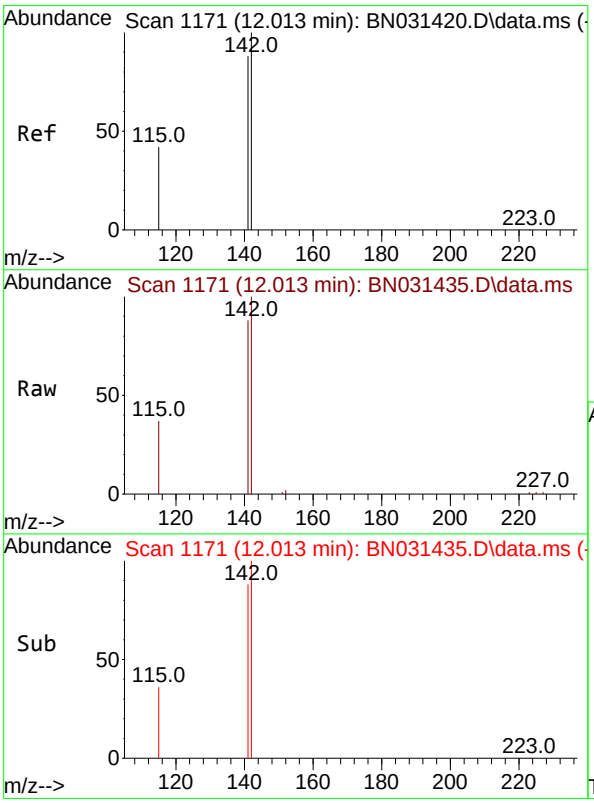
#11
2-Methylnaphthalene-d10
Concen: 0.489 ng
RT: 11.937 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:152 Resp: 9949

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.7	25.1

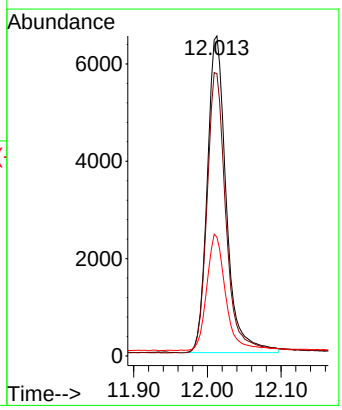


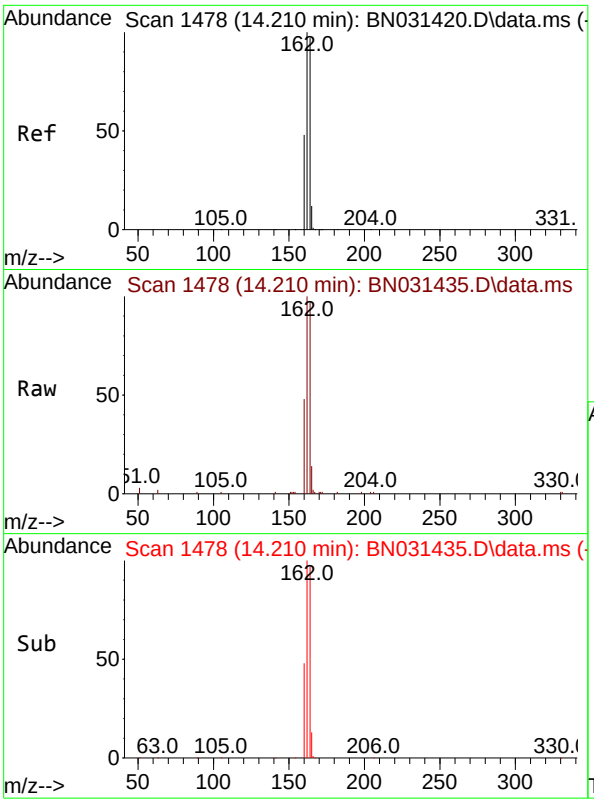


#12
2-Methylnaphthalene
Concen: 0.498 ng
RT: 12.013 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:142 Resp: 11698

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	37.1	34.2	51.4



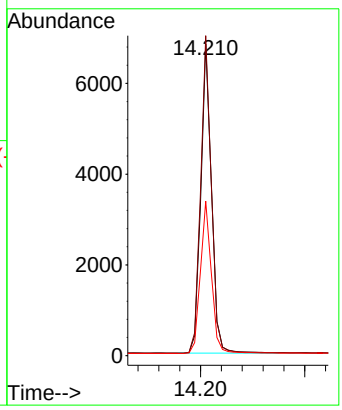


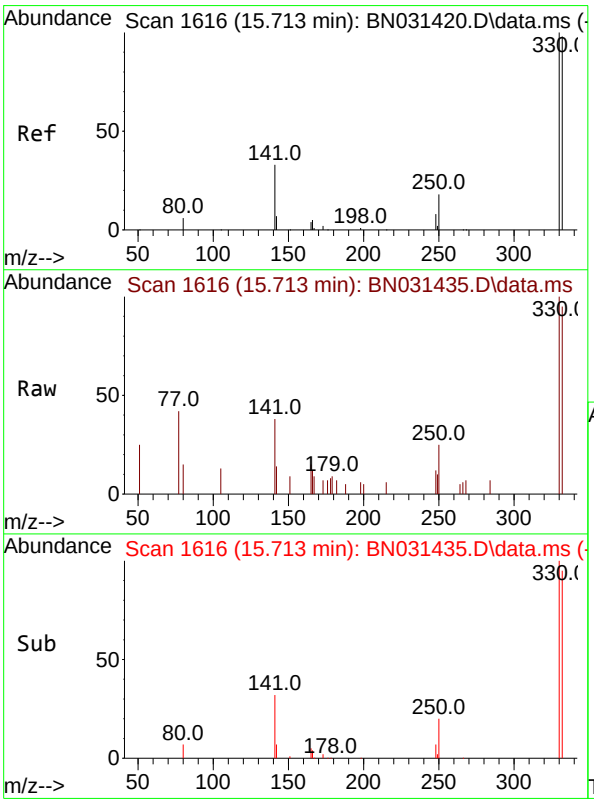
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.210 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:164 Resp: 9756

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.3	123.5
160	49.6	40.2	60.2

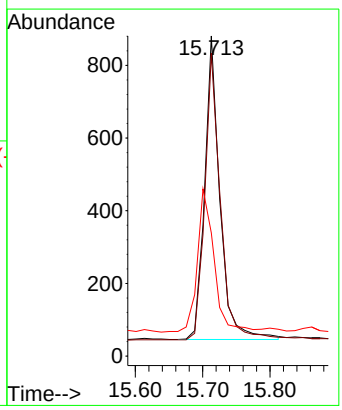


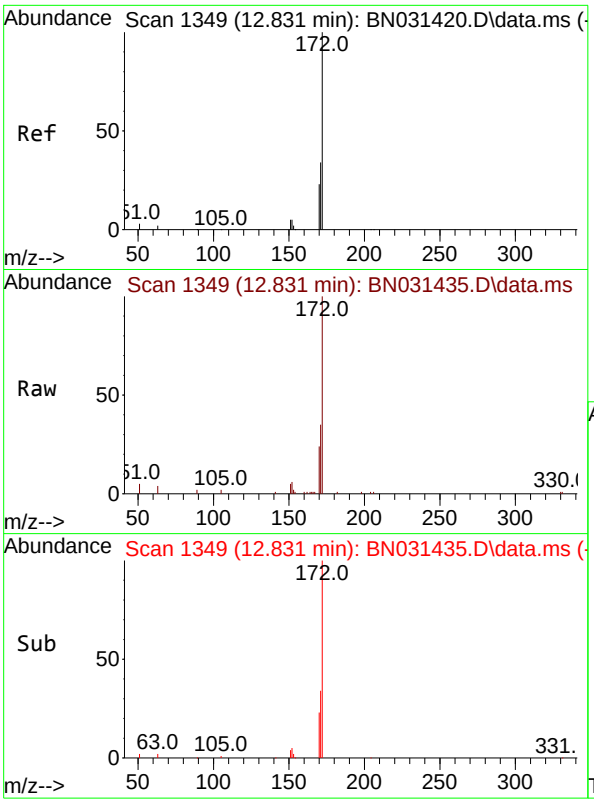


#14
2,4,6-Tribromophenol
Concen: 0.274 ng
RT: 15.713 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:330 Resp: 1317

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	51.9	39.3	58.9



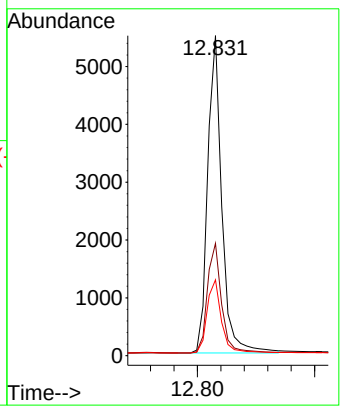


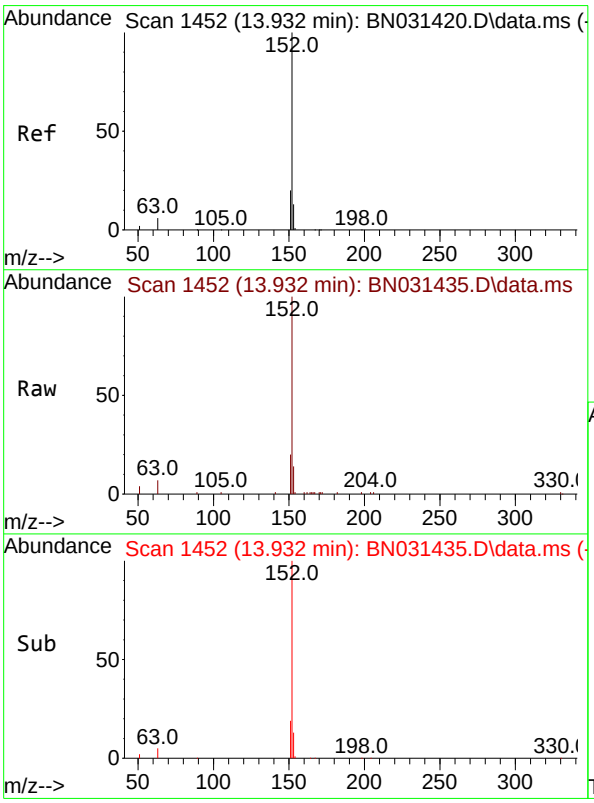
#15
2-Fluorobiphenyl
Concen: 0.255 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:172 Resp: 9220

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.0	42.0
170	23.7	18.9	28.3

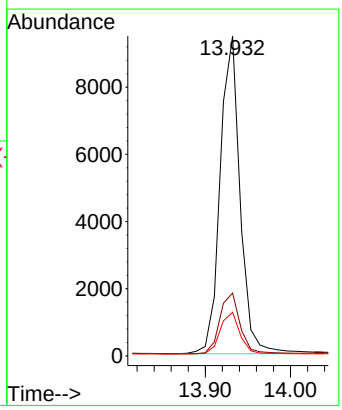


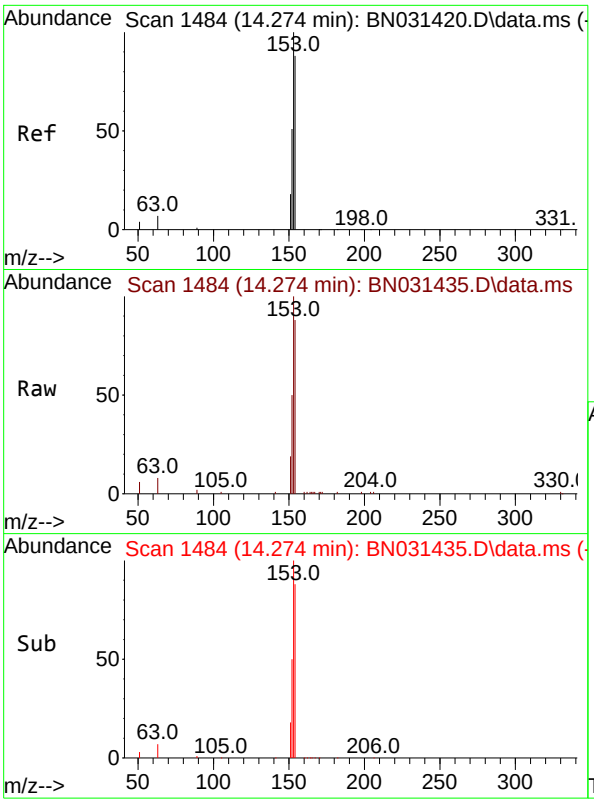


#16
Acenaphthylene
Concen: 0.357 ng
RT: 13.932 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:152 Resp: 15282

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.1	10.5	15.7



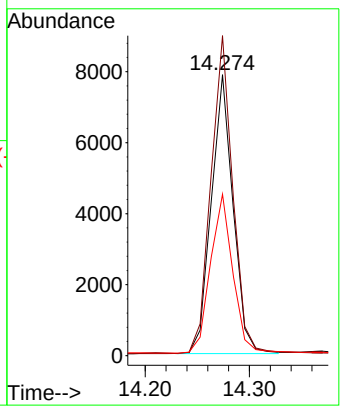


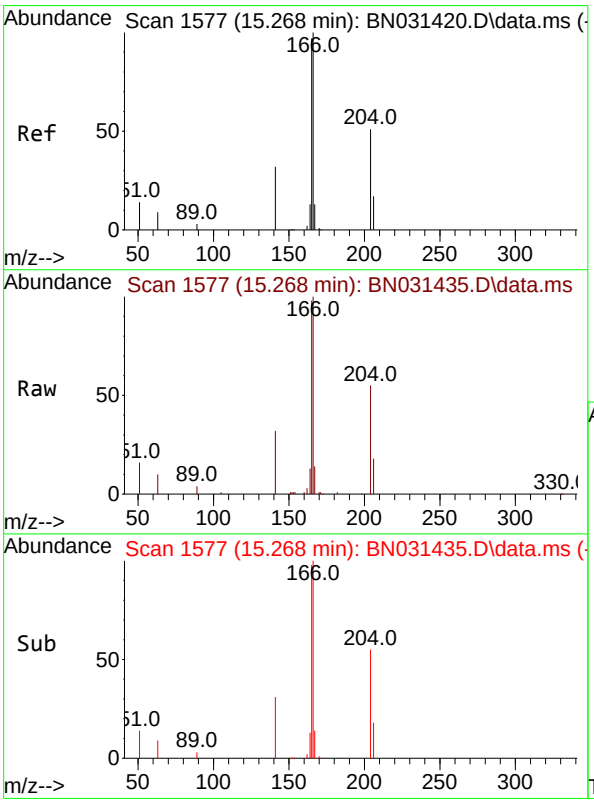
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.274 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:154 Resp: 11422

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.4	135.6
152	58.1	46.4	69.6

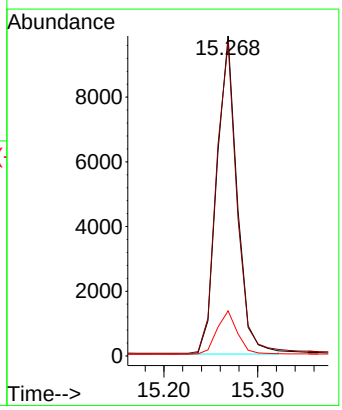


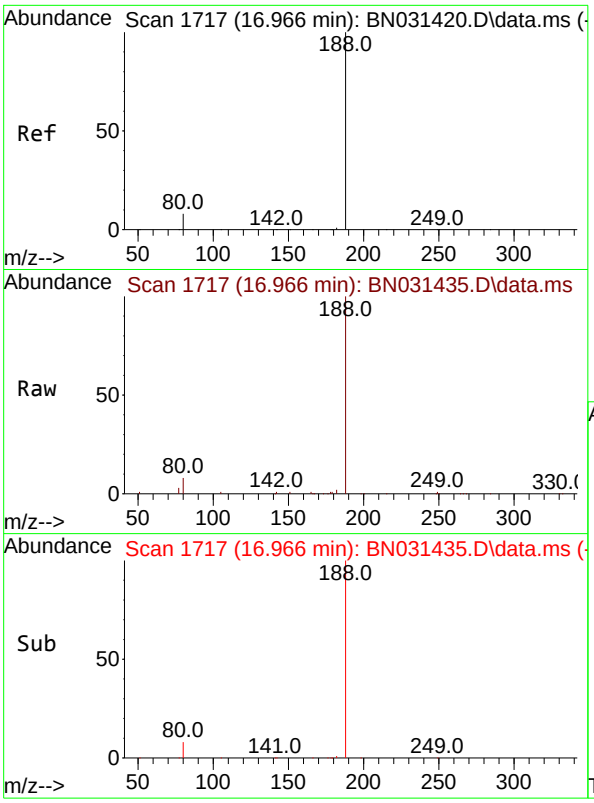


#18
Fluorene
Concen: 0.390 ng
RT: 15.268 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:166 Resp: 14792

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.4	117.6
167	13.7	10.8	16.2



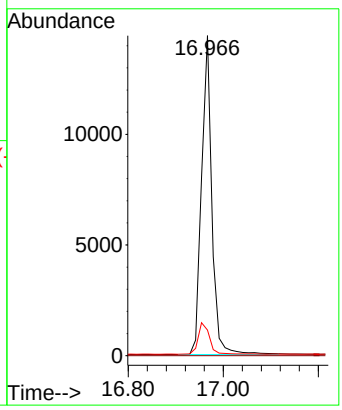


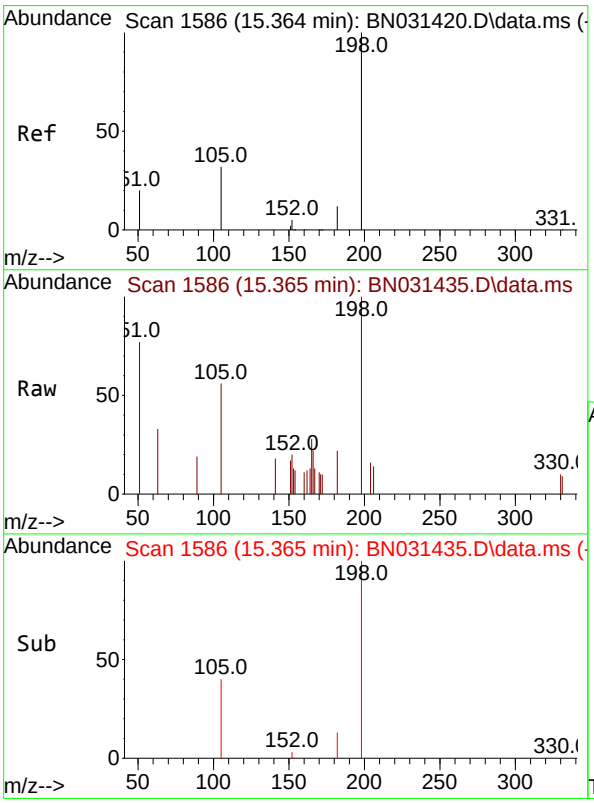
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:188 Resp: 21885

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	6.8	10.2

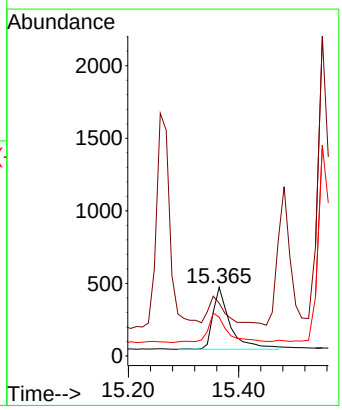


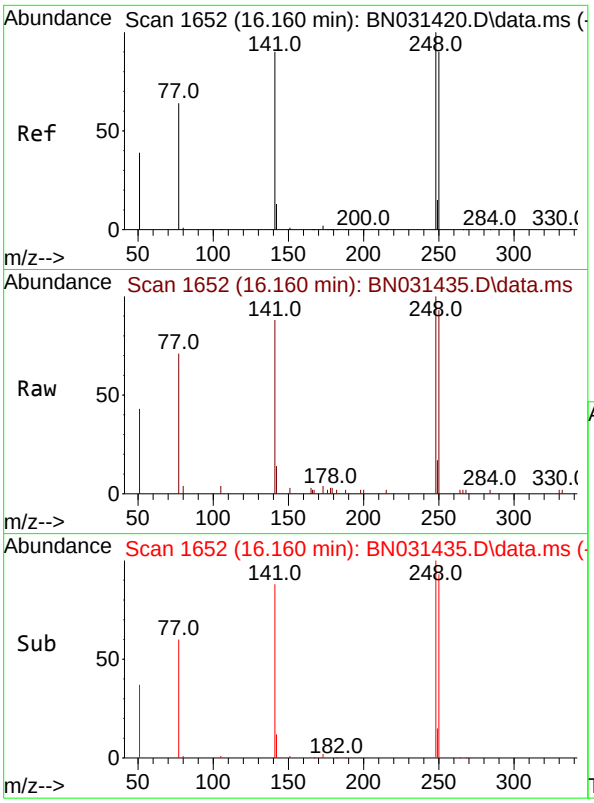


#20
4,6-Dinitro-2-methylphenol
Concen: 0.300 ng
RT: 15.365 min Scan# 1586
Delta R.T. 0.001 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:198 Resp: 924

Ion	Ratio	Lower	Upper
198	100		
51	77.0	47.4	71.2#
105	56.4	35.7	53.5#



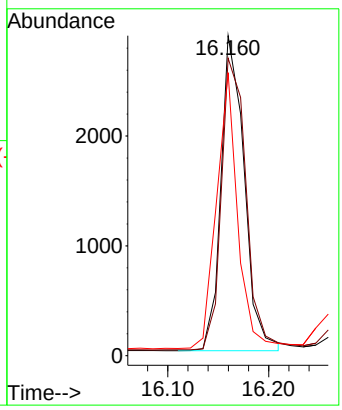


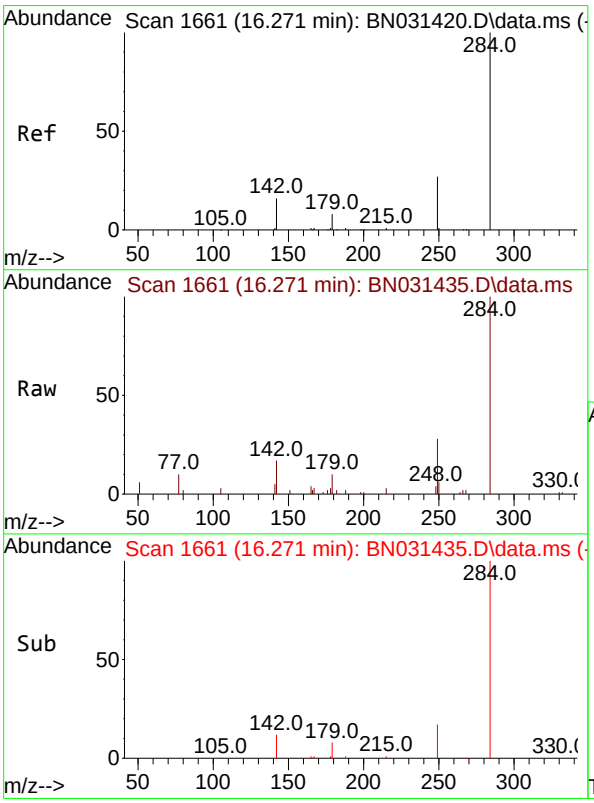
#21
4-Bromophenyl-phenylether
Concen: 0.365 ng
RT: 16.160 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:248 Resp: 4608

Ion	Ratio	Lower	Upper
248	100		
250	92.9	72.3	108.5
141	88.4	72.9	109.3

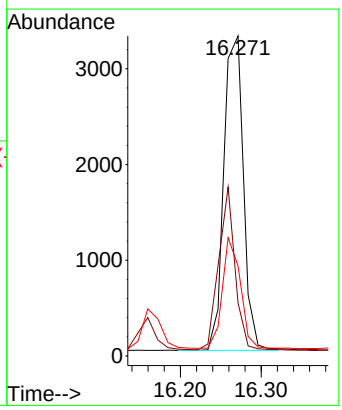


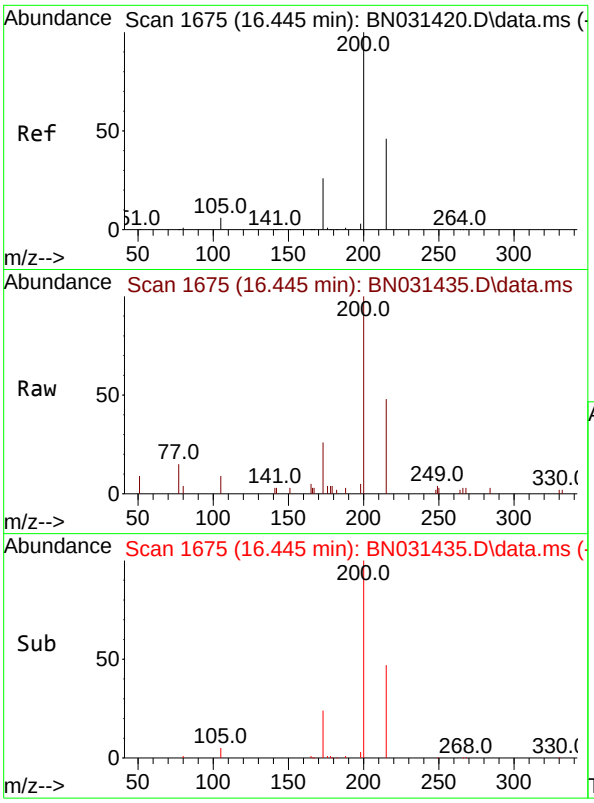


#22
Hexachlorobenzene
Concen: 0.384 ng
RT: 16.271 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:284 Resp: 5548

Ion	Ratio	Lower	Upper
284	100		
142	42.6	33.8	50.8
249	32.0	25.8	38.8



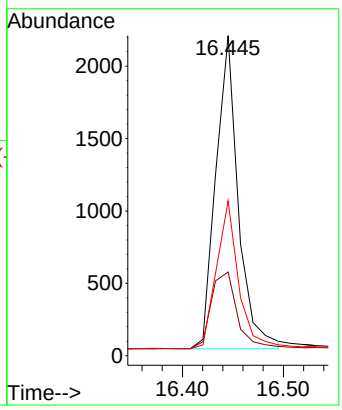


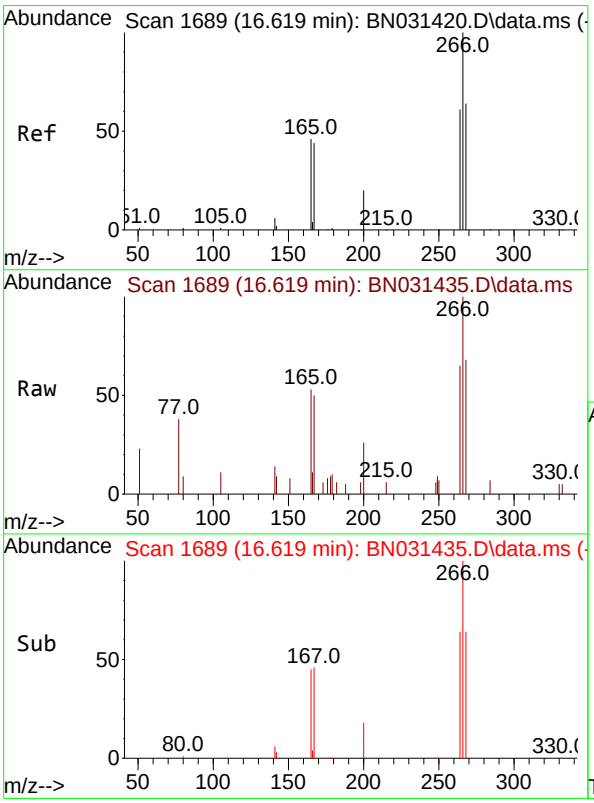
#23
Atrazine
Concen: 0.336 ng
RT: 16.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:200 Resp: 3332

Ion	Ratio	Lower	Upper
200	100		
173	26.2	21.8	32.6
215	48.4	37.5	56.3

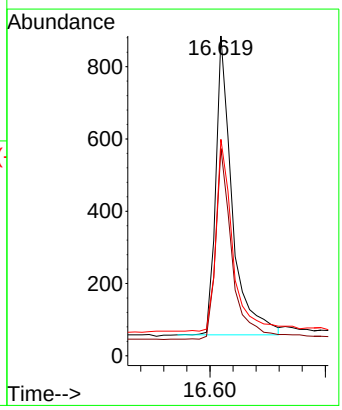


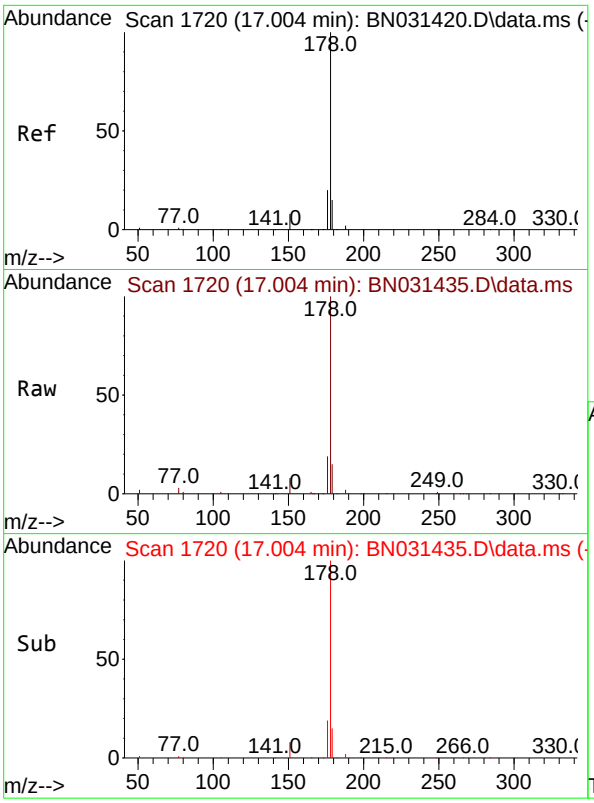


#24
Pentachlorophenol
Concen: 0.357 ng
RT: 16.619 min Scan# 1689
Delta R.T. -0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:266 Resp: 1637

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.0	73.4
268	64.3	51.0	76.4



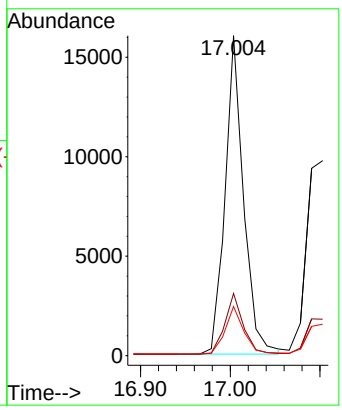


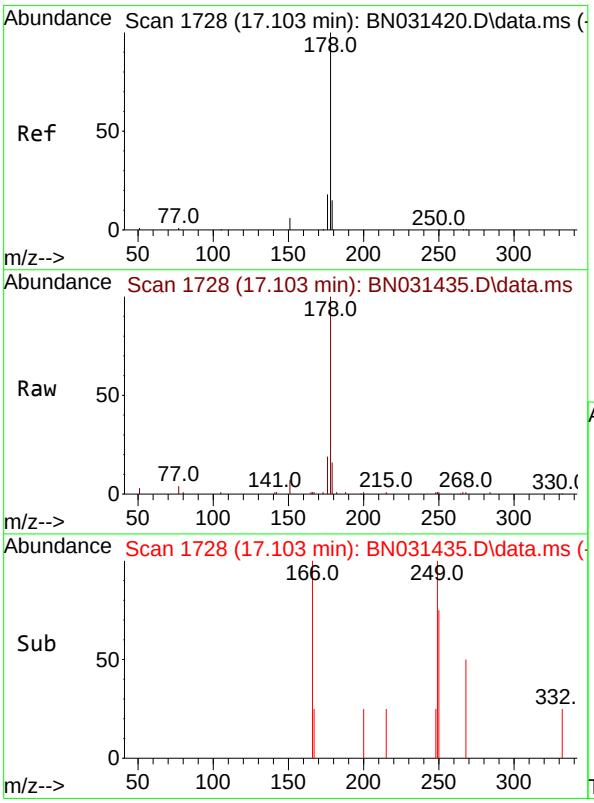
#25
Phenanthrene
Concen: 0.364 ng
RT: 17.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:178 Resp: 22851

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.3	18.5

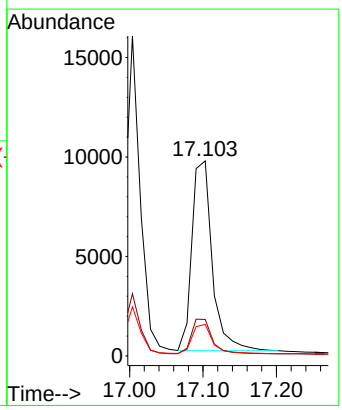


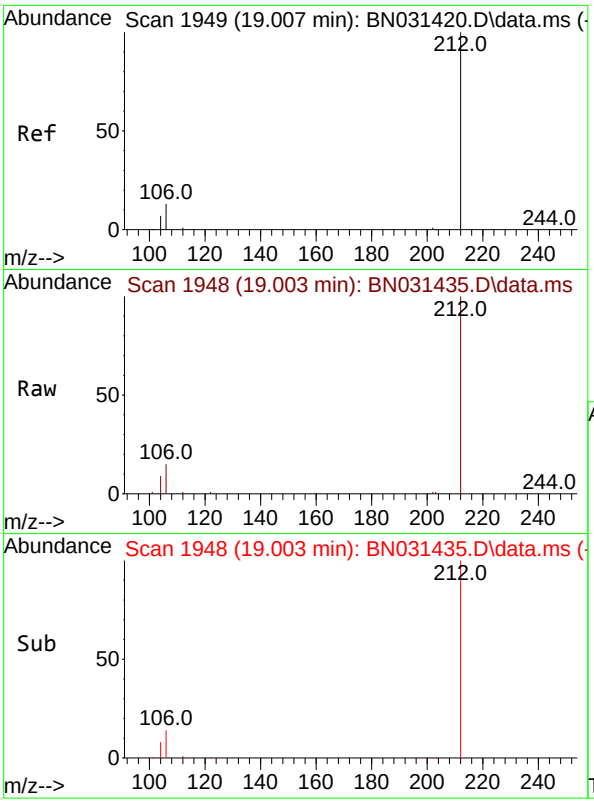


#26
Anthracene
Concen: 0.348 ng
RT: 17.103 min Scan# 1728
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:178 Resp: 18368

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.5	21.7
179	15.2	12.1	18.1



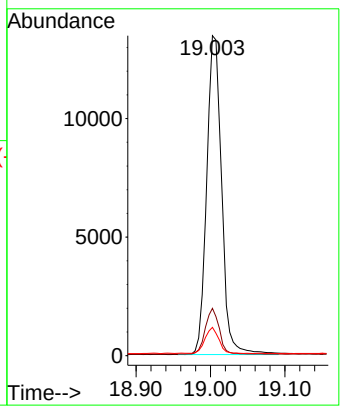


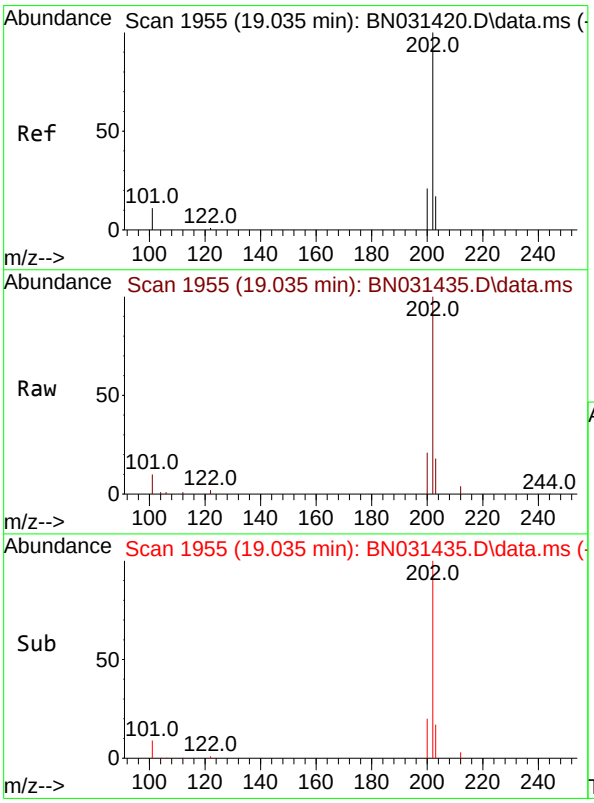
#27
Fluoranthene-d10
Concen: 0.318 ng
RT: 19.003 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:212 Resp: 18803

Ion	Ratio	Lower	Upper
212	100		
106	13.3	11.5	17.3
104	7.6	6.4	9.6

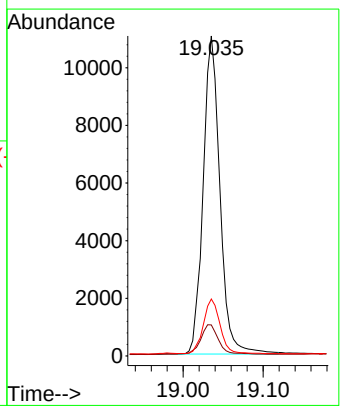


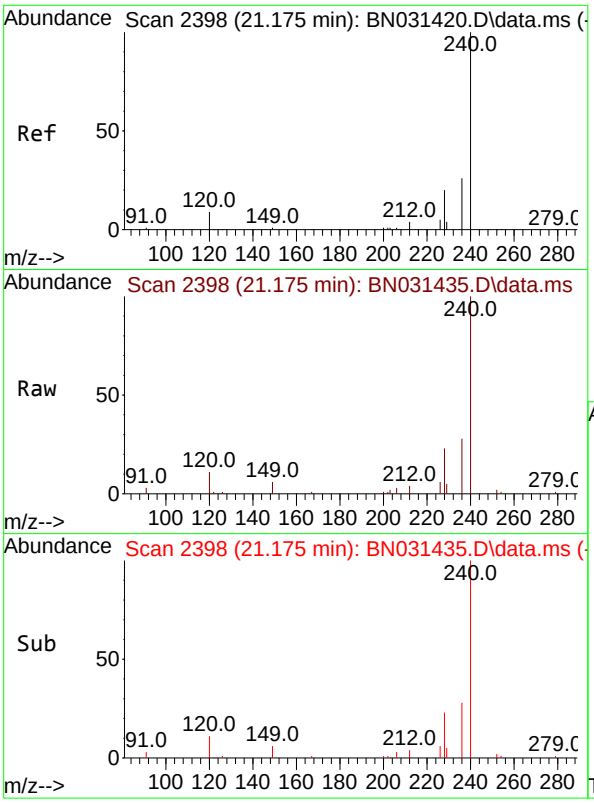


#28
Fluoranthene
Concen: 0.210 ng
RT: 19.035 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:202 Resp: 16143

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.2	13.8
203	16.9	13.7	20.5



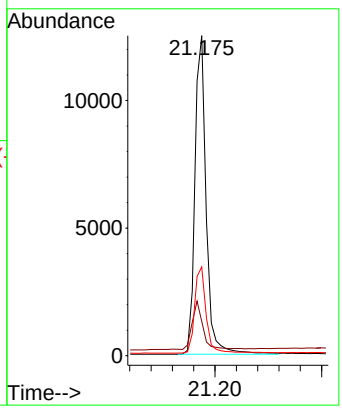


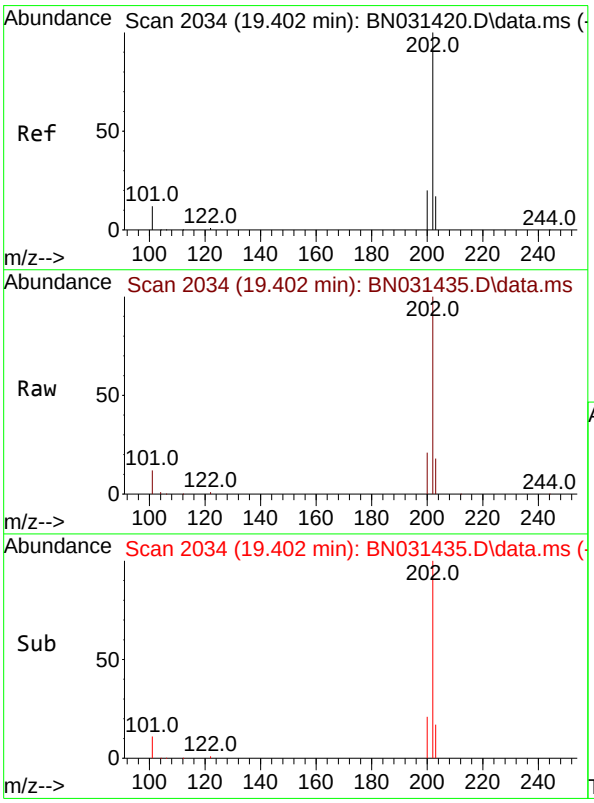
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.175 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:240 Resp: 18360

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.9	11.9
236	27.7	21.4	32.2

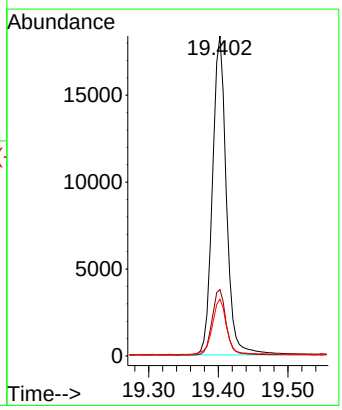


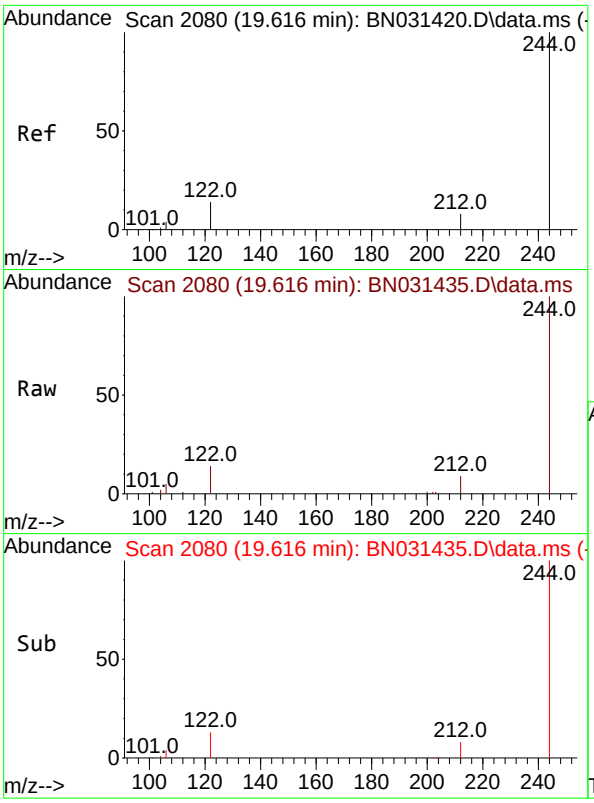


#30
Pyrene
Concen: 0.401 ng
RT: 19.402 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:202 Resp: 25572

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	18.1	14.3	21.5



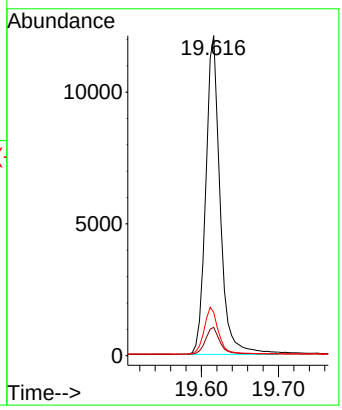


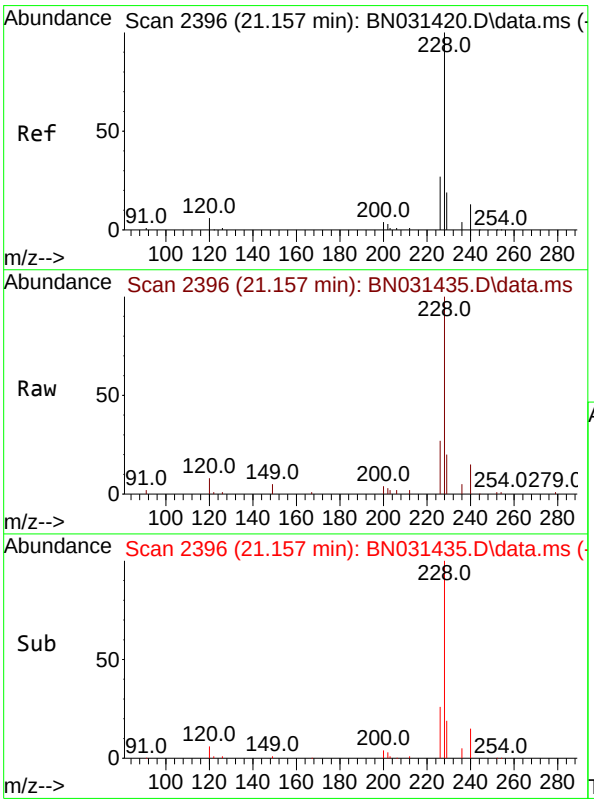
#31
Terphenyl-d14
Concen: 0.337 ng
RT: 19.616 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:244 Resp: 15726

Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.9	10.3
122	13.6	11.4	17.2

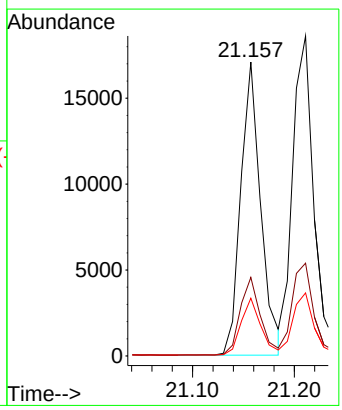


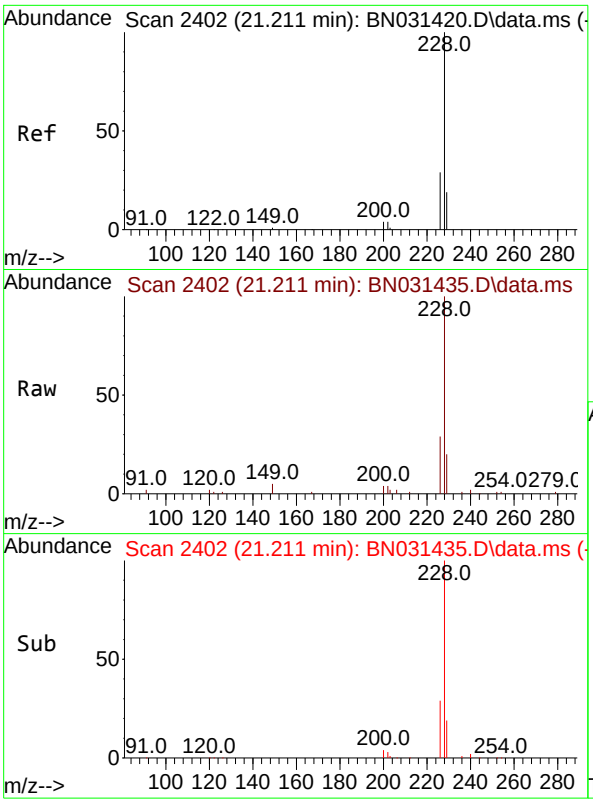


#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.157 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:228 Resp: 23300

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.6
229	19.7	15.6	23.4



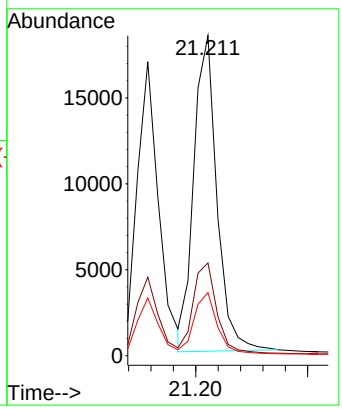


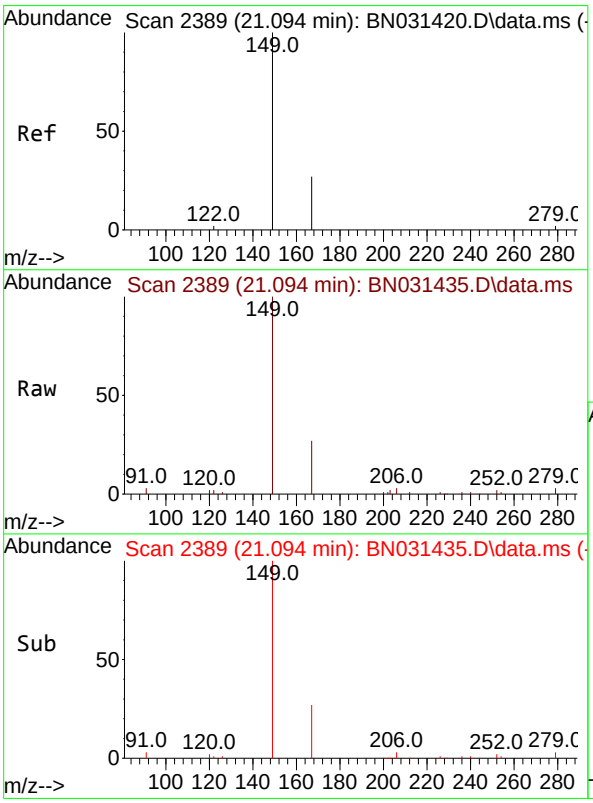
#33
Chrysene
Concen: 0.399 ng
RT: 21.211 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:228 Resp: 26342

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.6	35.4
229	19.7	15.8	23.8

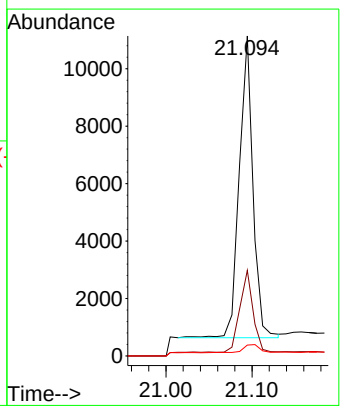


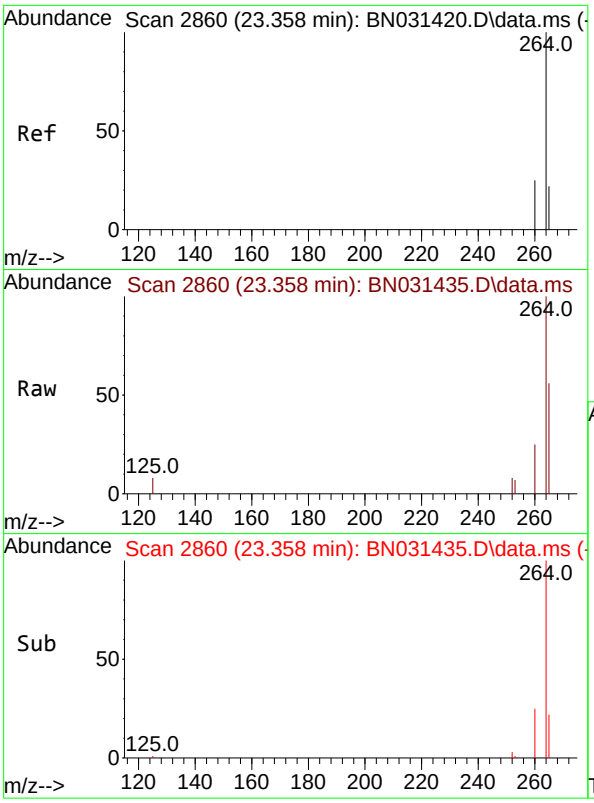


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.347 ng
RT: 21.094 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:149 Resp: 11627

Ion	Ratio	Lower	Upper
149	100		
167	26.2	23.0	34.4
279	3.6	3.2	4.8



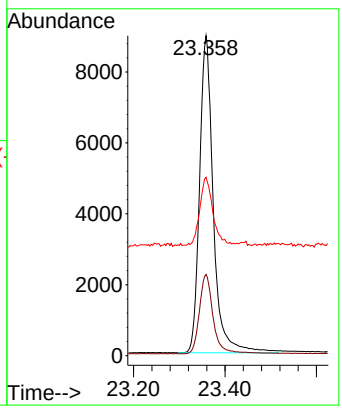


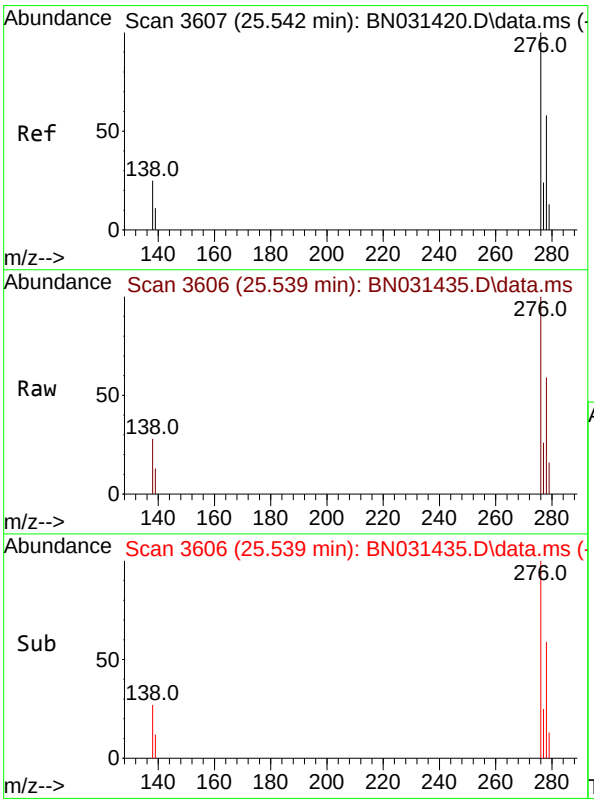
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.358 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:264 Resp: 18680

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.4
265	55.8	43.4	65.2

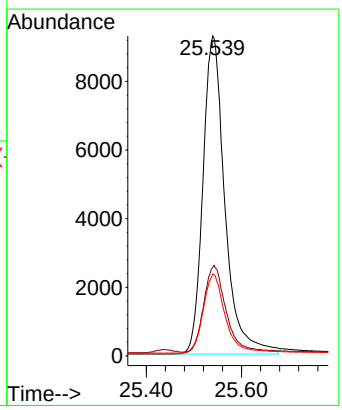


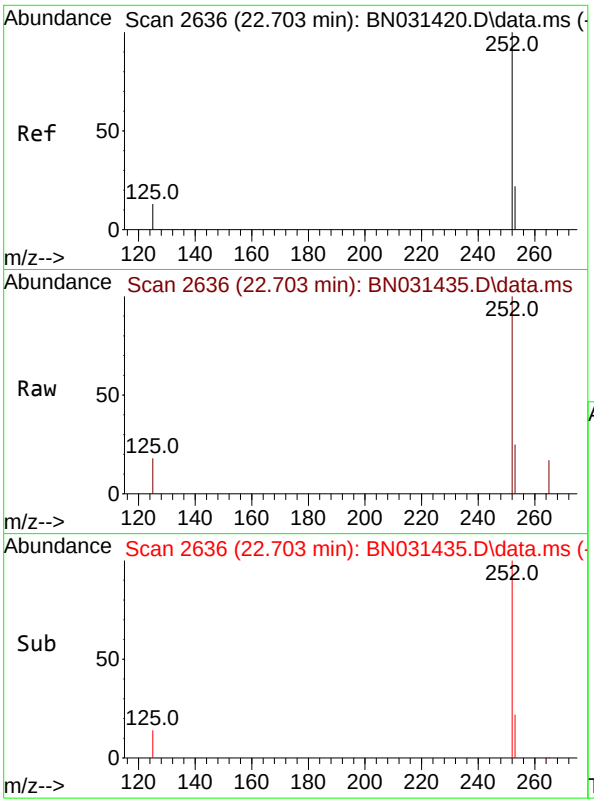


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.539 min Scan# 3606
Delta R.T. -0.003 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:276 Resp: 29710

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.5	32.3
277	24.8	19.8	29.8



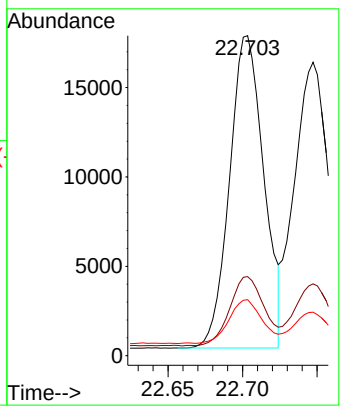


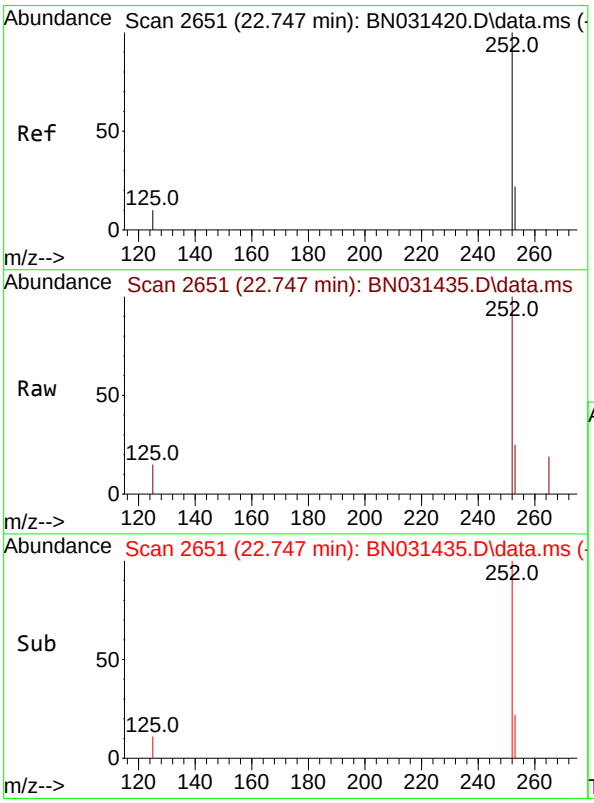
#37
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 22.703 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:252 Resp: 27911

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.5	29.3
125	17.5	12.9	19.3

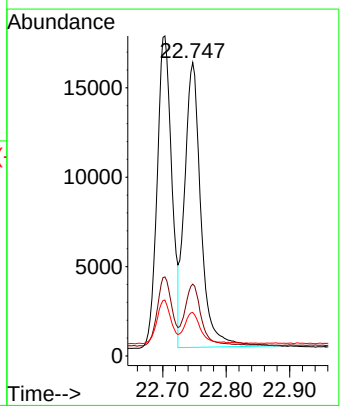


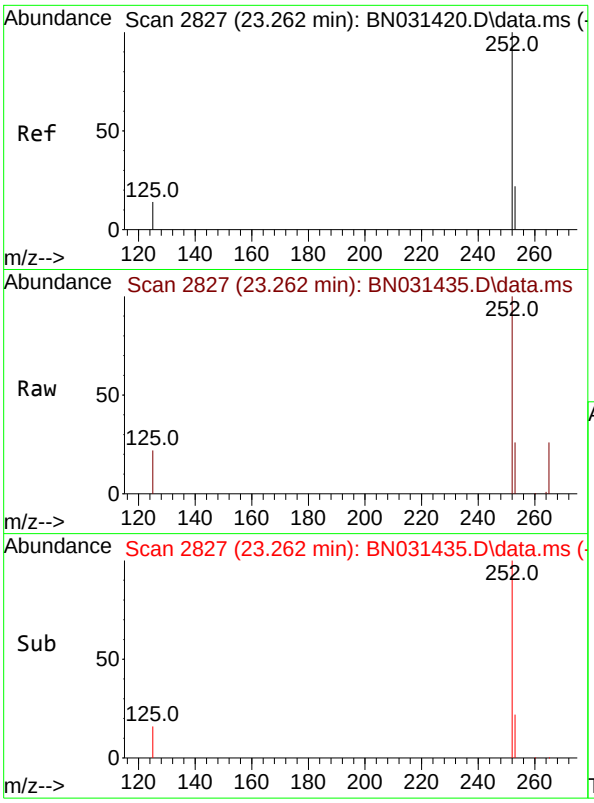


#38
Benzo(k)fluoranthene
Concen: 0.396 ng
RT: 22.747 min Scan# 2651
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:252 Resp: 28495

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.5	29.3
125	14.8	11.5	17.3



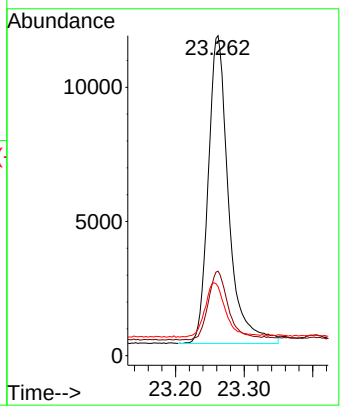


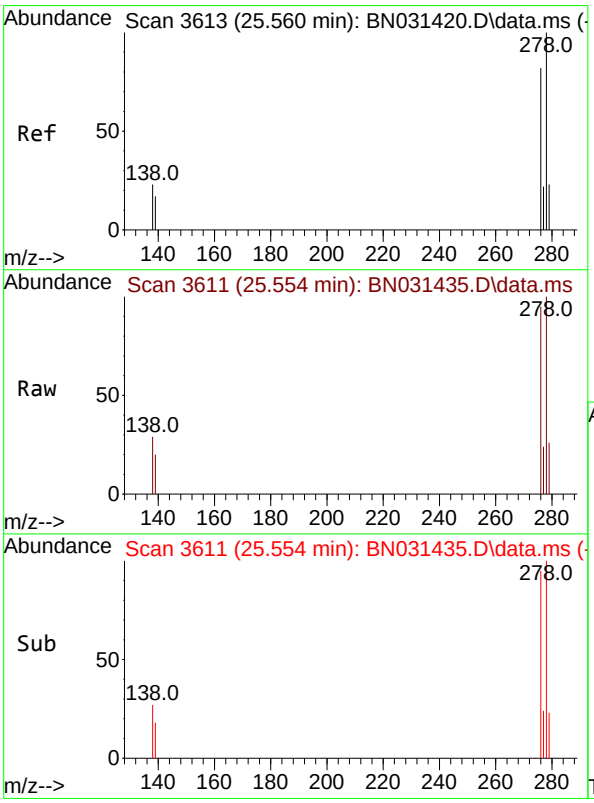
#39
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:252 Resp: 23682

Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.8	31.2
125	21.6	15.2	22.8

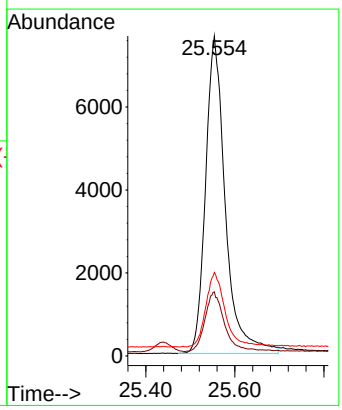


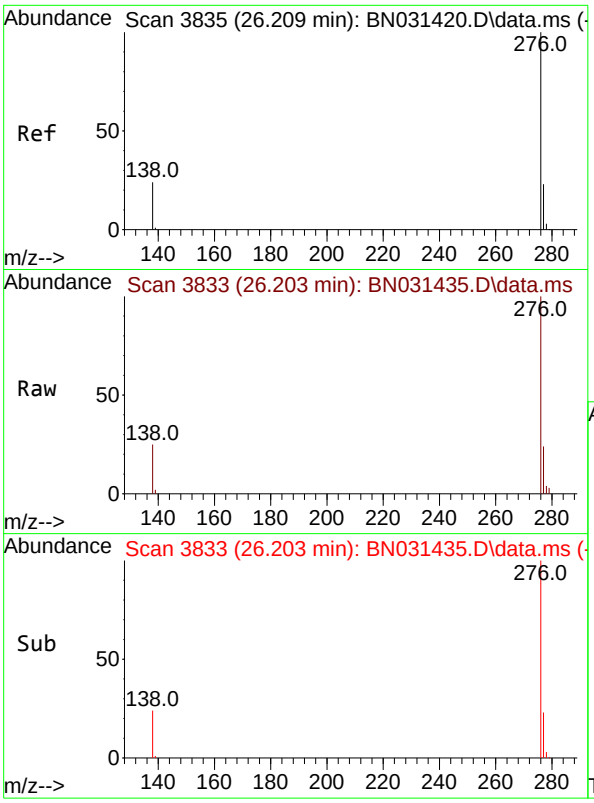


#40
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.554 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Tgt Ion:278 Resp: 23536

Ion	Ratio	Lower	Upper
278	100		
139	20.1	14.7	22.1
279	26.1	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.440 ng
RT: 26.203 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN031435.D
Acq: 08 May 2024 12:12

Instrument :
BNA_N
ClientSampleId :
PB160696BS

Tgt Ion:276 Resp: 26543

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	24.6	19.7	29.5