Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030524\
Data File : BN030282.D
Acq On : 06 Mar 2024 02:42
Operator : MA/JU
Sample : PB159350BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Quant Time: Mar 06 03:10:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN030524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 05 17:44:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	2036	0.400	ng	0.00
7) Naphthalene-d8	10.605	136	5212	0.400	ng	# 0.00
13) Acenaphthene-d10	14.458	164	2589	0.400	ng	0.00
19) Phenanthrene-d10	17.218	188	4665	0.400	ng	0.00
29) Chrysene-d12	21.438	240	3085	0.400	ng	0.00
35) Perylene-d12	23.791	264	3605	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	1497	0.280	ng	0.00
5) Phenol-d6	6.980	99	1574	0.280	ng	0.00
8) Nitrobenzene-d5	8.971	82	1524	0.320	ng	0.00
11) 2-Methylnaphthalene-d10	12.200	152	3246	0.429	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	322	0.242	ng	0.00
15) 2-Fluorobiphenyl	13.078	172	3477	0.323	ng	-0.01
27) Fluoranthene-d10	19.262	212	3406	0.266	ng	0.00
31) Terphenyl-d14	19.875	244	2656	0.332	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.319	88	620	0.235	ng	# 31
3) n-Nitrosodimethylamine	3.651	42	900	0.323	ng	# 92
6) bis(2-Chloroethyl)ether	7.248	93	1394	0.313	ng	99
9) Naphthalene	10.648	128	4621	0.318	ng	98
10) Hexachlorobutadiene	10.925	225	1054	0.317	ng	# 98
12) 2-Methylnaphthalene	12.276	142	2868	0.319	ng	99
16) Acenaphthylene	14.180	152	4195	0.336	ng	100
17) Acenaphthene	14.522	154	2474	0.307	ng	98
18) Fluorene	15.505	166	2934	0.302	ng	99
20) 4,6-Dinitro-2-methylph...	15.617	198	241	0.249	ng	86
21) 4-Bromophenyl-phenylether	16.424	248	900	0.316	ng	# 68
22) Hexachlorobenzene	16.511	284	1130	0.343	ng	100
23) Atrazine	16.709	200	803	0.318	ng	92
24) Pentachlorophenol	16.871	266	936	0.545	ng	98
25) Phenanthrene	17.255	178	4317	0.324	ng	99
26) Anthracene	17.355	178	3872	0.316	ng	100
28) Fluoranthene	19.294	202	4391	0.270	ng	99
30) Pyrene	19.656	202	4468	0.345	ng	100
32) Benzo(a)anthracene	21.420	228	3352	0.310	ng	99
33) Chrysene	21.474	228	3972	0.339	ng	99
34) Bis(2-ethylhexyl)phtha...	21.367	149	2685	0.312	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.221	276	5427	0.359	ng	# 86
37) Benzo(b)fluoranthene	23.078	252	3954	0.314	ng	98
38) Benzo(k)fluoranthene	23.125	252	4027	0.315	ng	98
39) Benzo(a)pyrene	23.689	252	3999	0.359	ng	99
40) Dibenzo(a,h)anthracene	26.247	278	4237	0.357	ng	96
41) Benzo(g,h,i)perylene	26.955	276	4589	0.335	ng	98

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 05 17:44:16 2024
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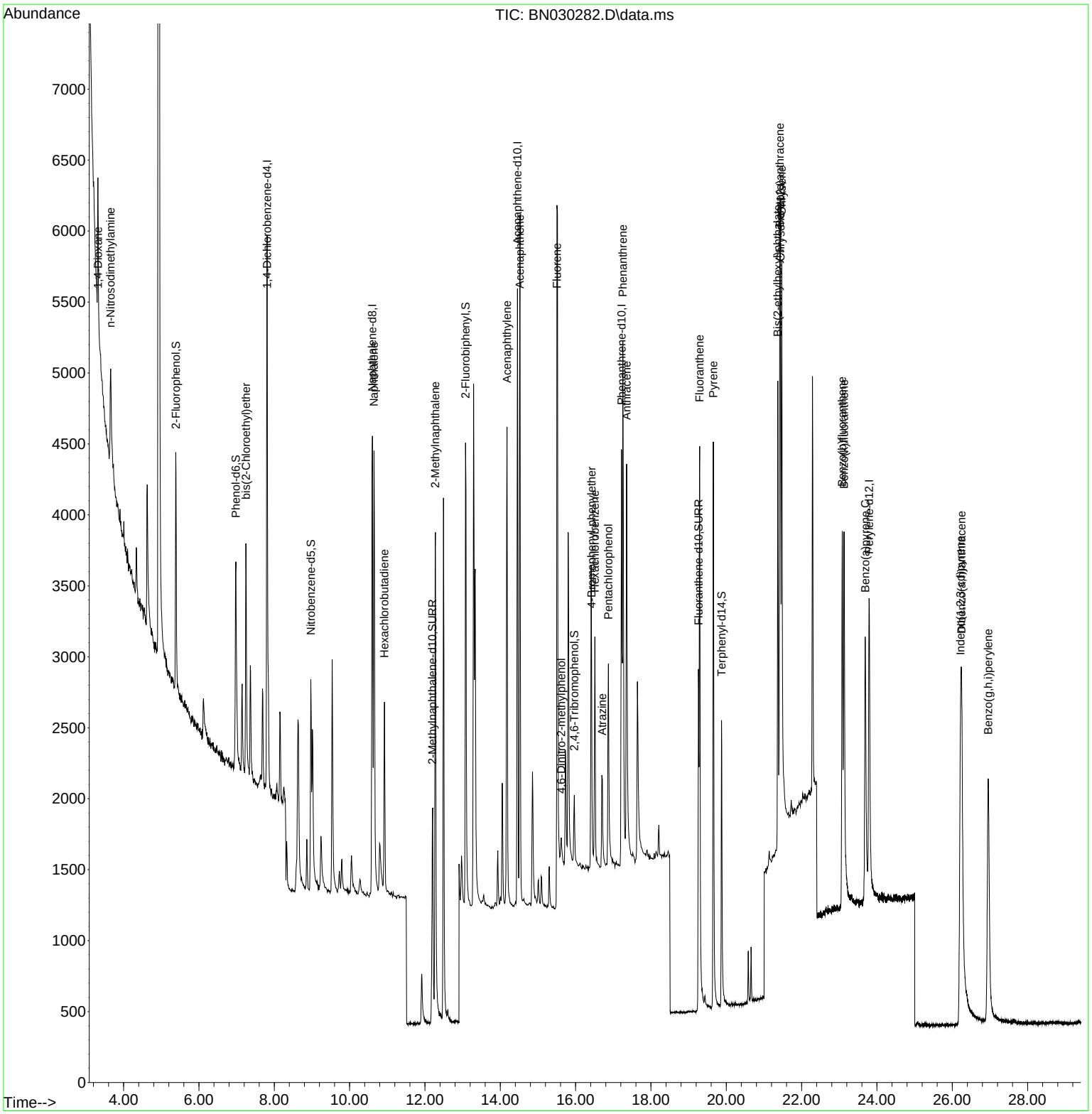
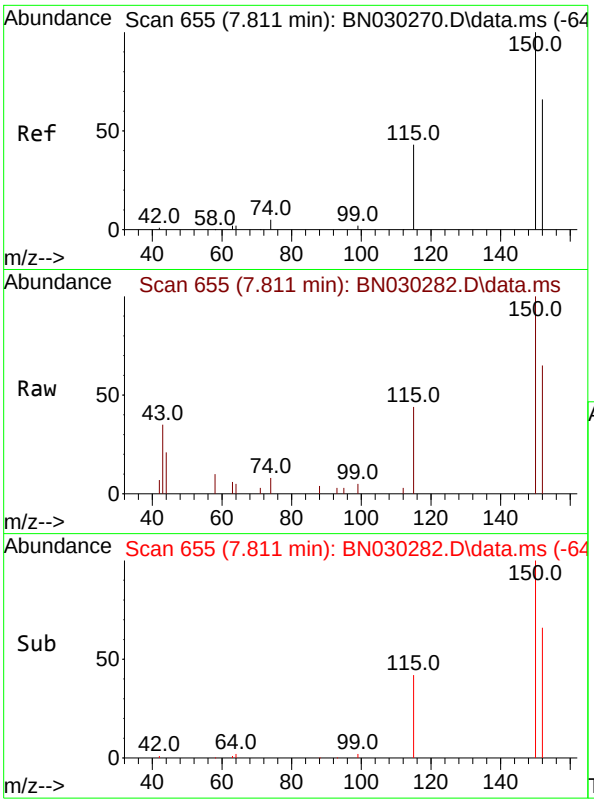


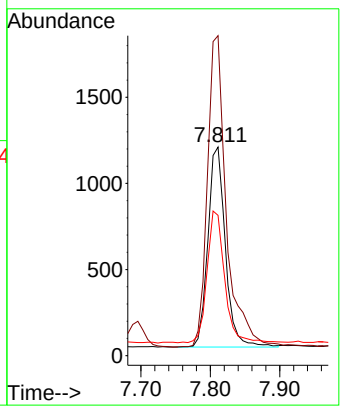


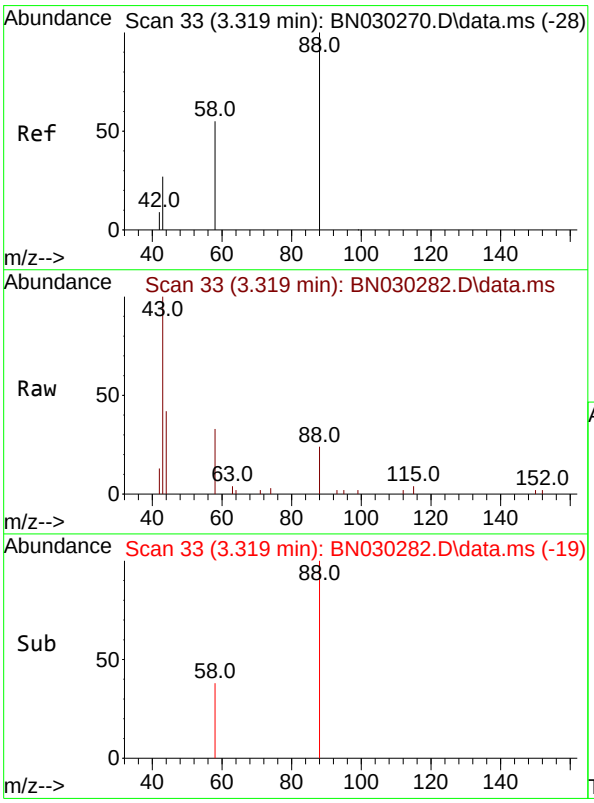
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:152 Resp: 2036

Ion	Ratio	Lower	Upper
152	100		
150	153.4	119.4	179.0
115	67.3	56.9	85.3

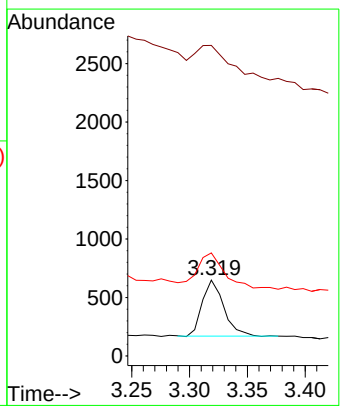


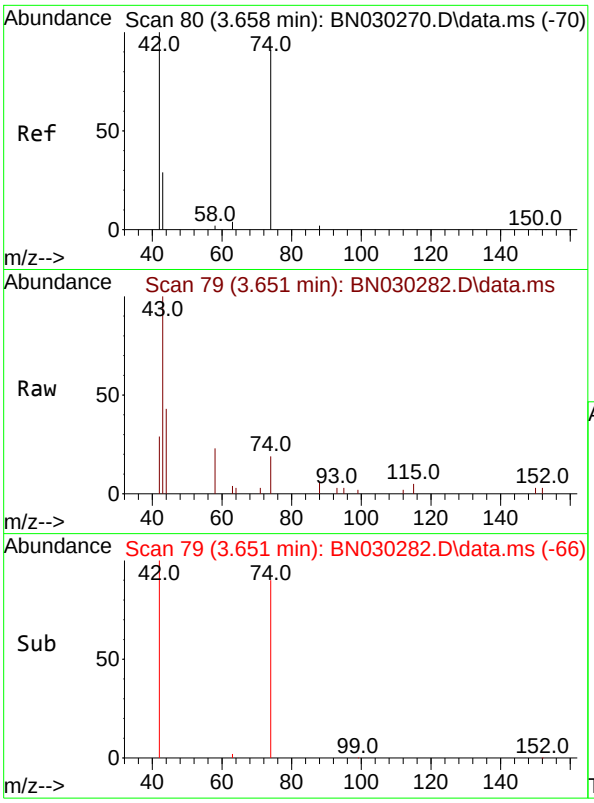


#2
1,4-Dioxane
Concen: 0.235 ng
RT: 3.319 min Scan# 33
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion: 88 Resp: 620

Ion	Ratio	Lower	Upper
88	100		
43	99.2	23.8	35.8#
58	86.0	46.2	69.4#



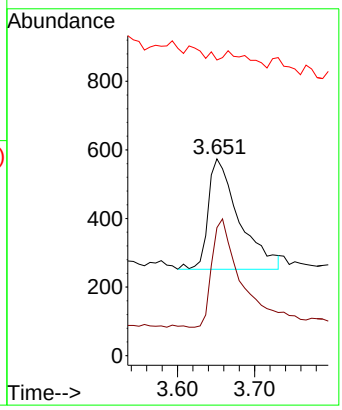


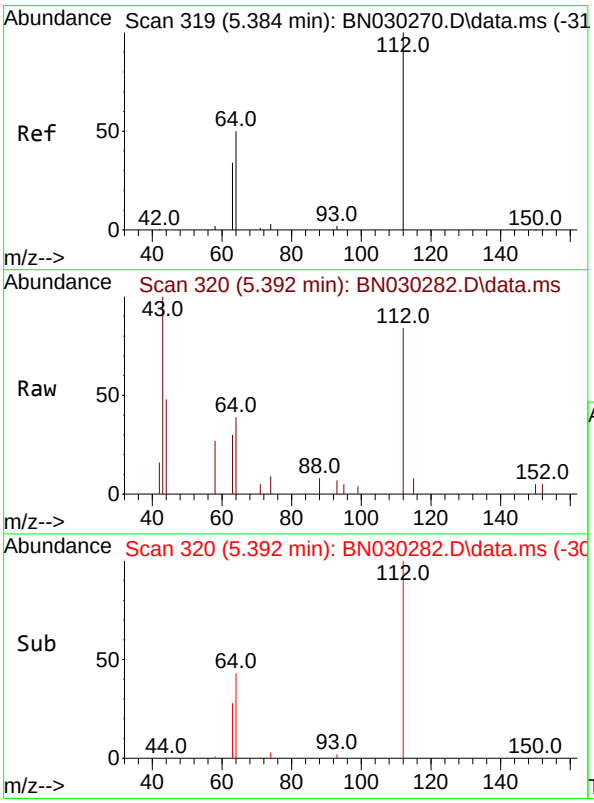
#3
n-Nitrosodimethylamine
Concen: 0.323 ng
RT: 3.651 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion: 42 Resp: 900

Ion	Ratio	Lower	Upper
42	100		
74	91.6	79.4	119.0
44	10.1	0.0	0.0#

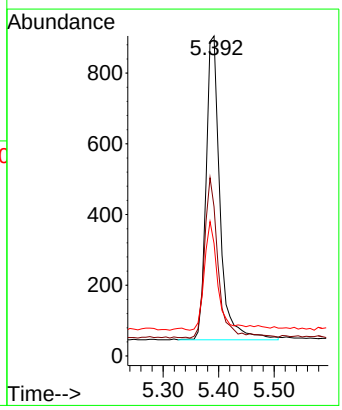


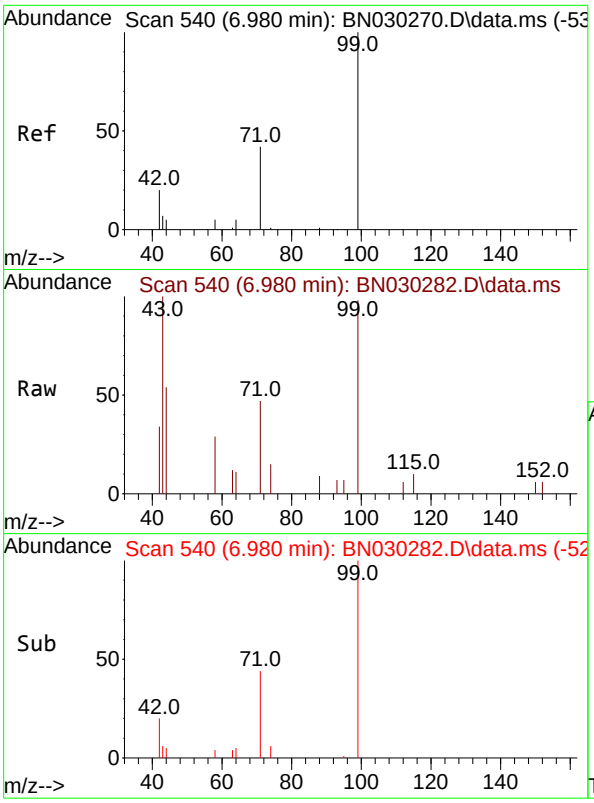


#4
2-Fluorophenol
Concen: 0.280 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:112 Resp: 1497

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.8	62.8
63	34.0	27.1	40.7



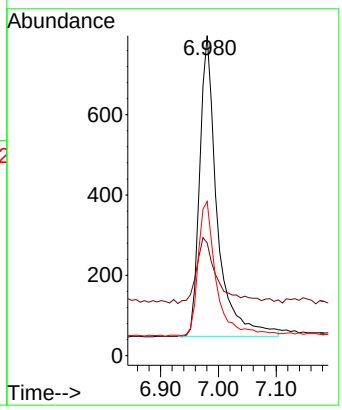


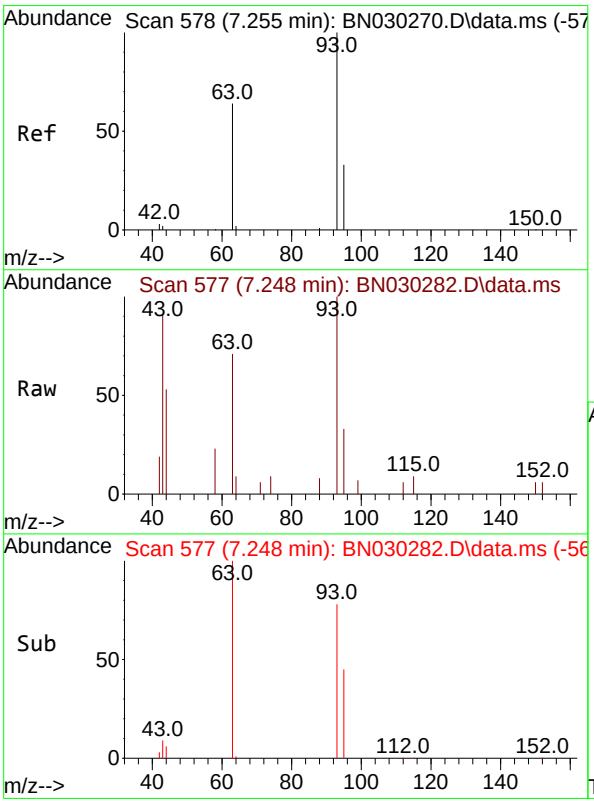
#5
Phenol-d6
Concen: 0.280 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion: 99 Resp: 1574

Ion	Ratio	Lower	Upper
99	100		
42	25.7	19.0	28.6
71	47.8	36.0	54.0

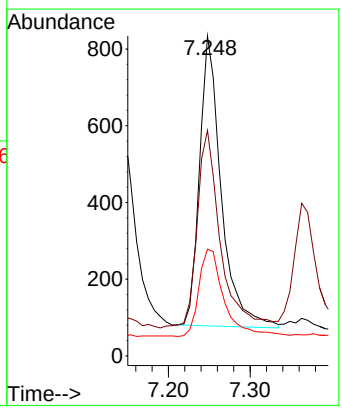


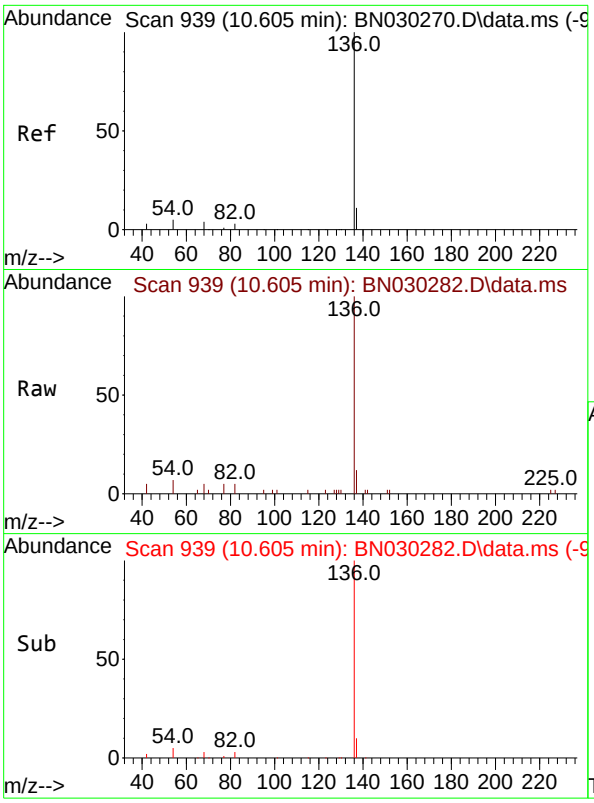


#6
bis(2-Chloroethyl)ether
Concen: 0.313 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion: 93 Resp: 1394

Ion	Ratio	Lower	Upper
93	100		
63	73.2	57.7	86.5
95	34.9	28.6	43.0



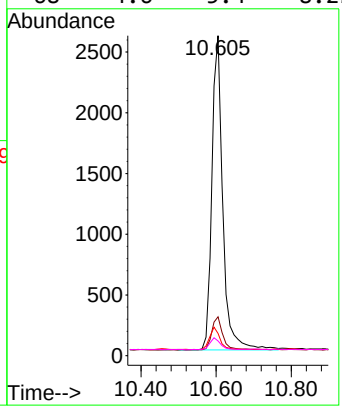


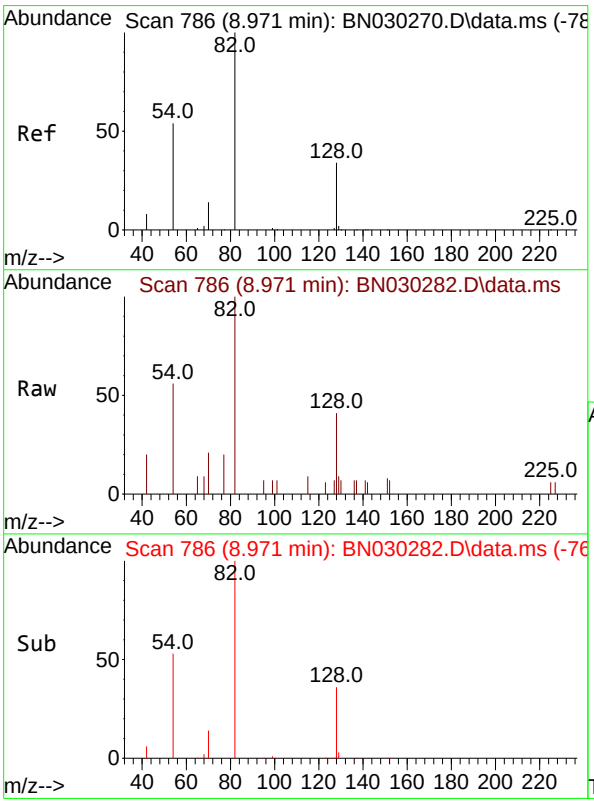
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:136 Resp: 5212

Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.5	15.7
54	6.9	6.4	9.6
68	4.6	5.4	8.2#

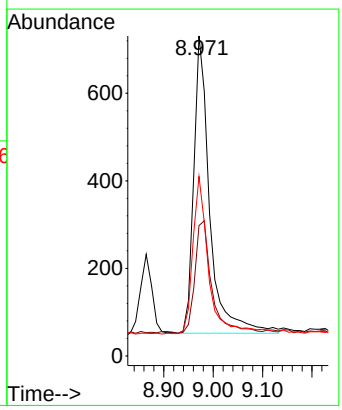


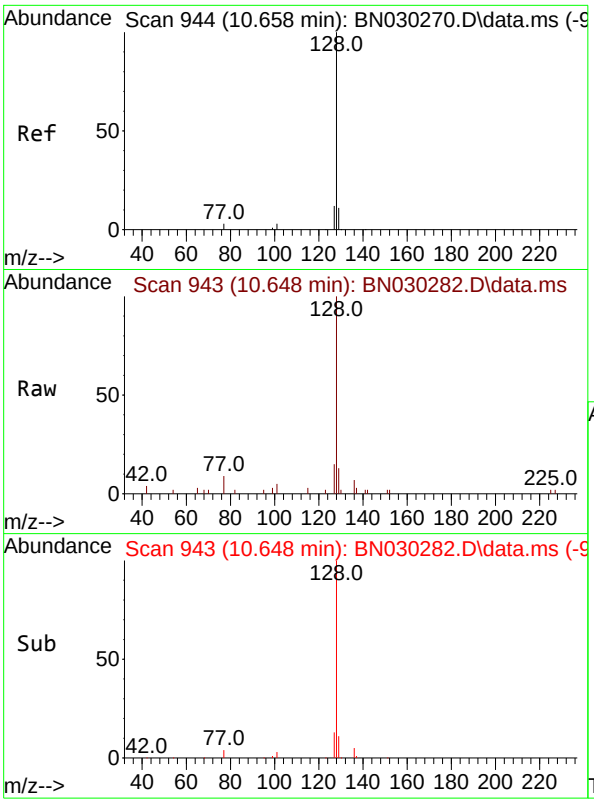


#8
Nitrobenzene-d5
Concen: 0.320 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion: 82 Resp: 1524

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.2	48.2
54	56.1	47.3	70.9



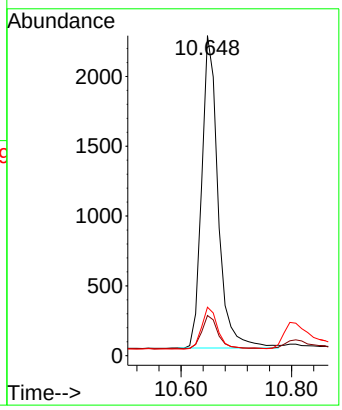


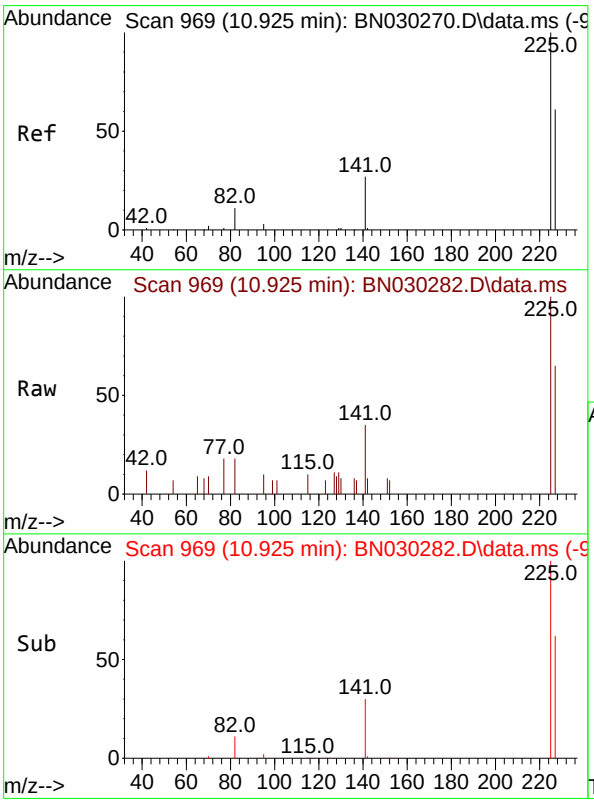
#9
Naphthalene
Concen: 0.318 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:128 Resp: 4621

Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.8	16.2
127	15.1	11.7	17.5

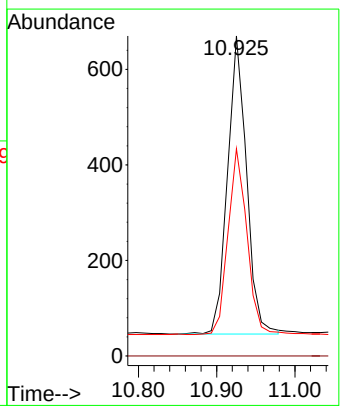


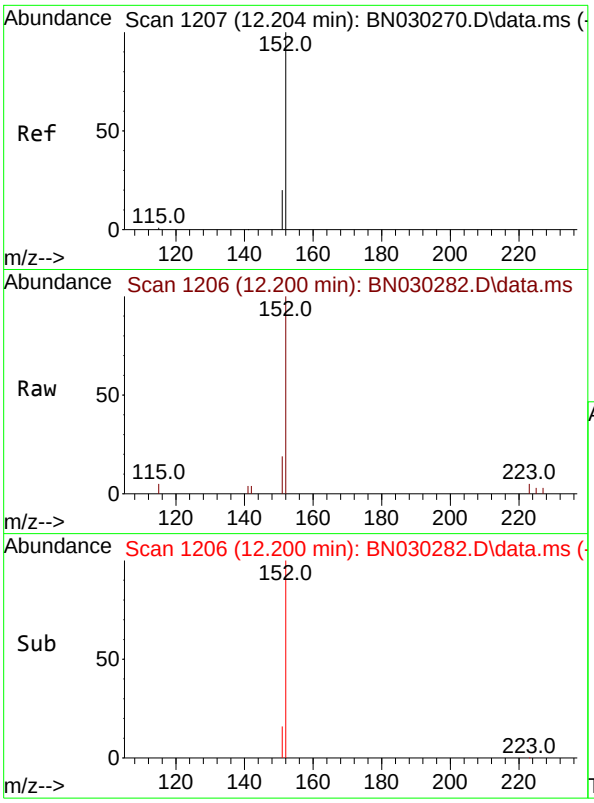


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:225 Resp: 1054

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.9	50.6	76.0



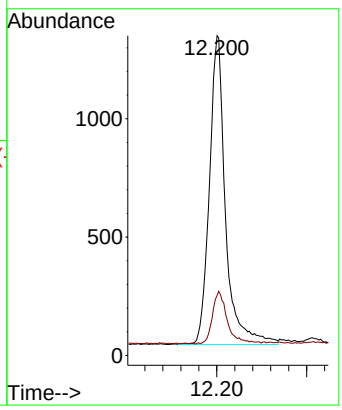


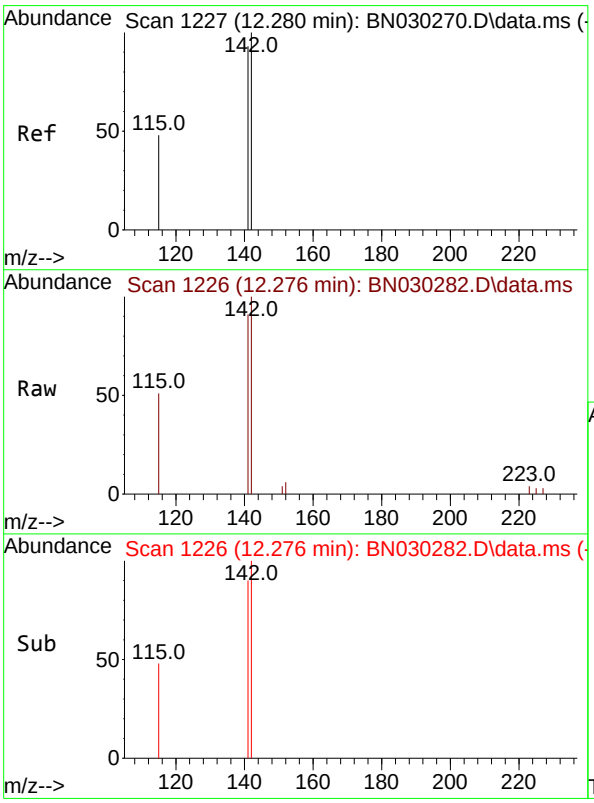
#11
2-Methylnaphthalene-d10
Concen: 0.429 ng
RT: 12.200 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:152 Resp: 3246

Ion	Ratio	Lower	Upper
152	100		
151	15.8	16.7	25.1#

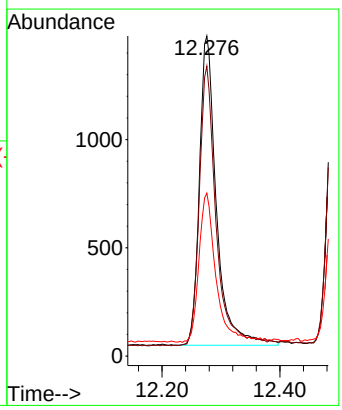


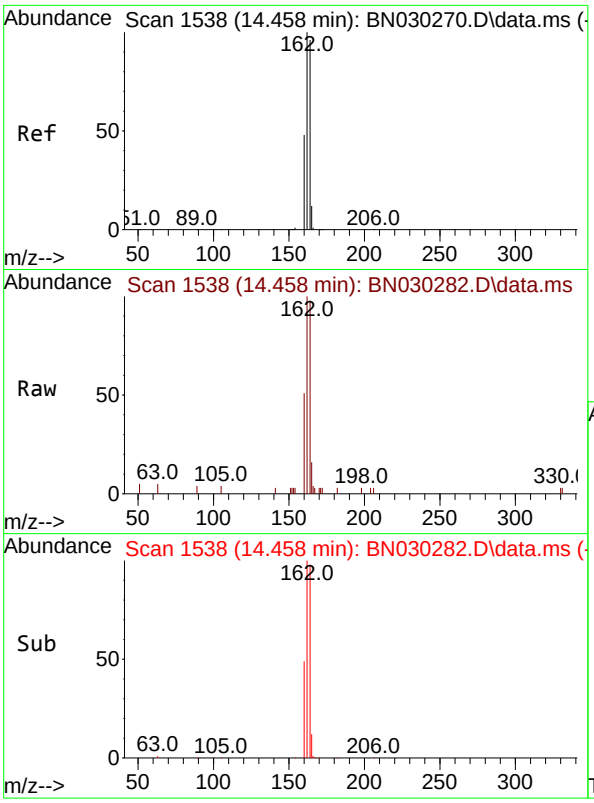


#12
2-Methylnaphthalene
Concen: 0.319 ng
RT: 12.276 min Scan# 1226
Delta R.T. -0.004 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:142 Resp: 2868

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.2	111.4
115	50.9	40.7	61.1



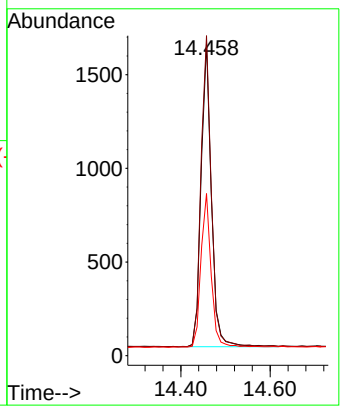


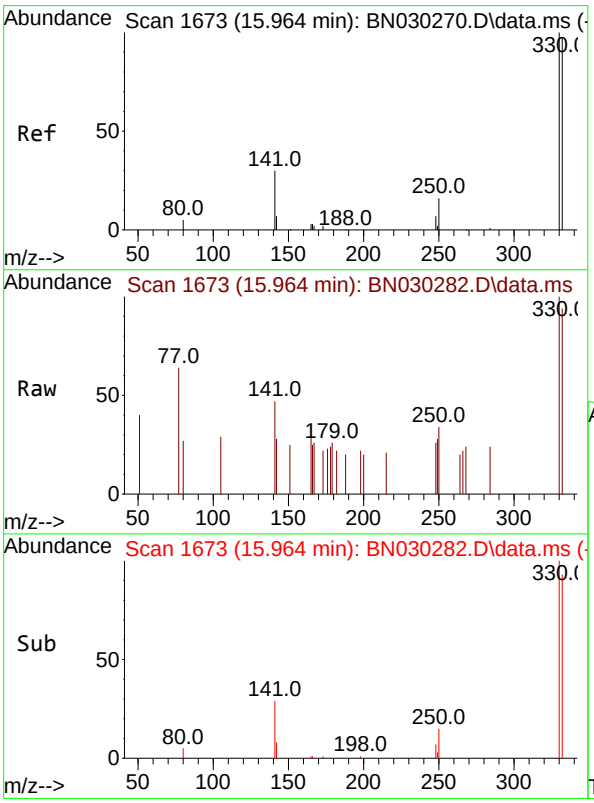
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.458 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:164 Resp: 2589

Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.4	125.2
160	51.9	41.7	62.5

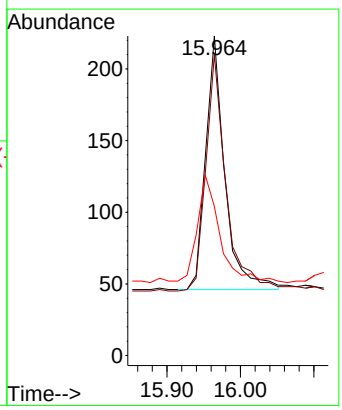


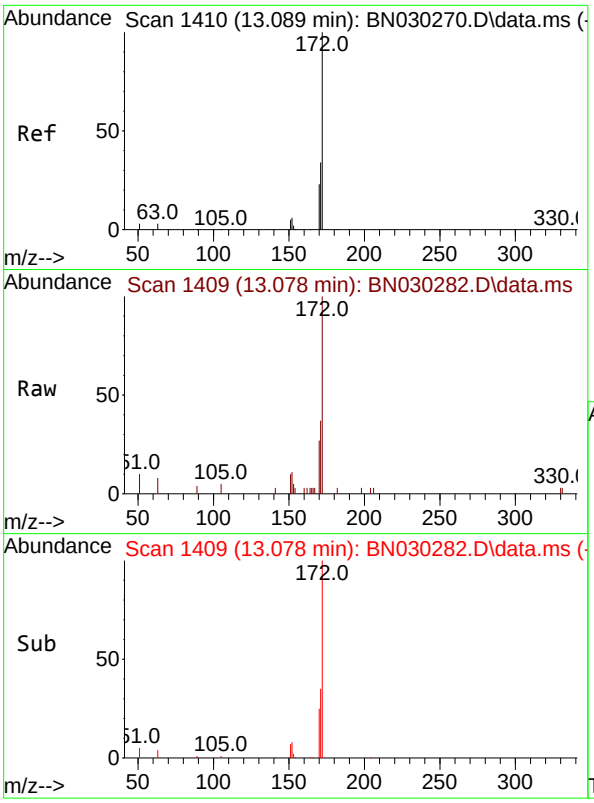


#14
2,4,6-Tribromophenol
Concen: 0.242 ng
RT: 15.964 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:330 Resp: 322

Ion	Ratio	Lower	Upper
330	100		
332	98.1	72.6	108.8
141	49.4	41.3	61.9



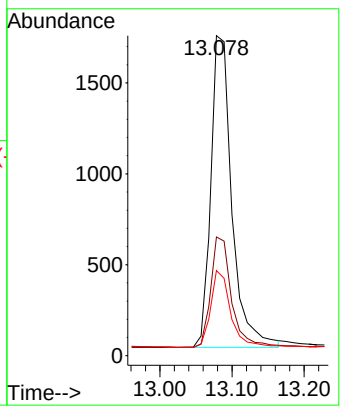


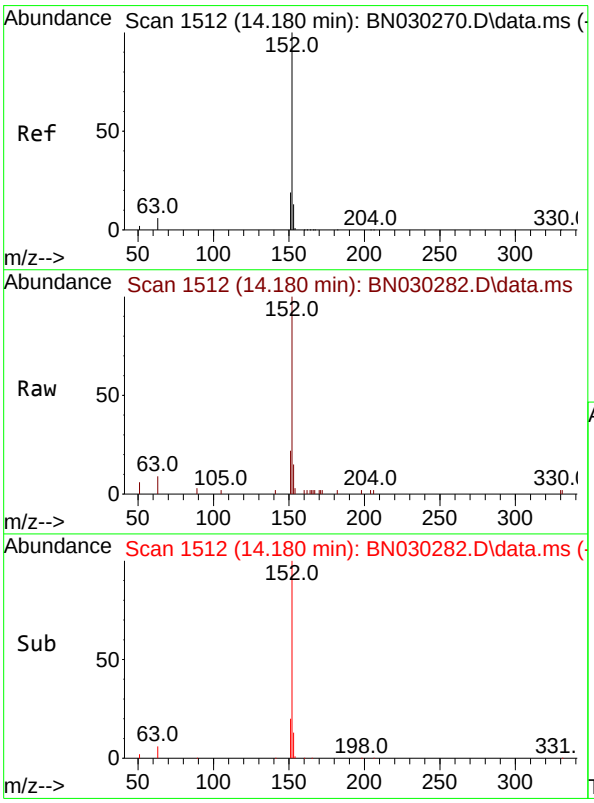
#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.078 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:172 Resp: 3477

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.0	43.4
170	26.6	20.2	30.2

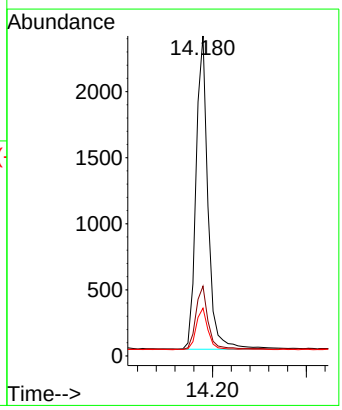


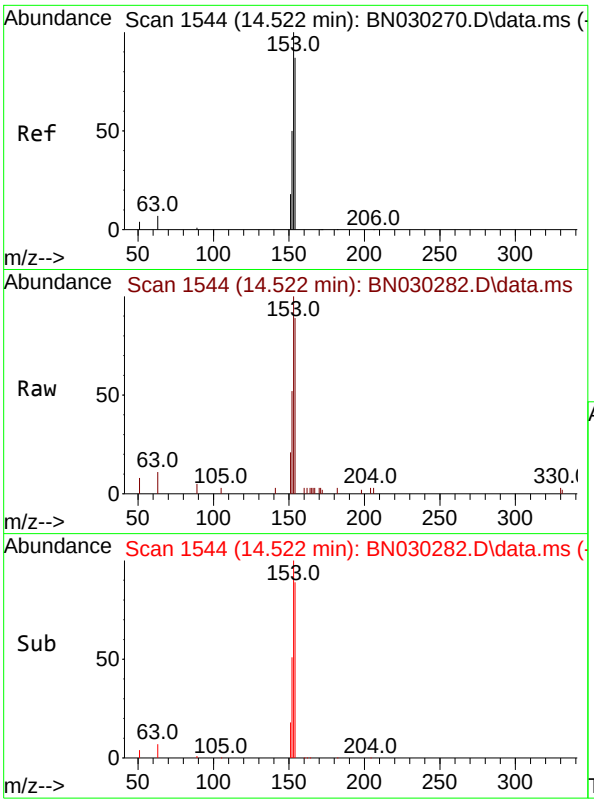


#16
Acenaphthylene
Concen: 0.336 ng
RT: 14.180 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:152 Resp: 4195

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.2	10.3	15.5



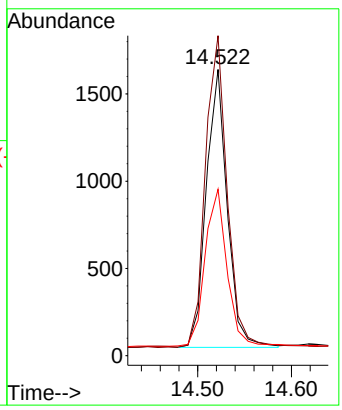


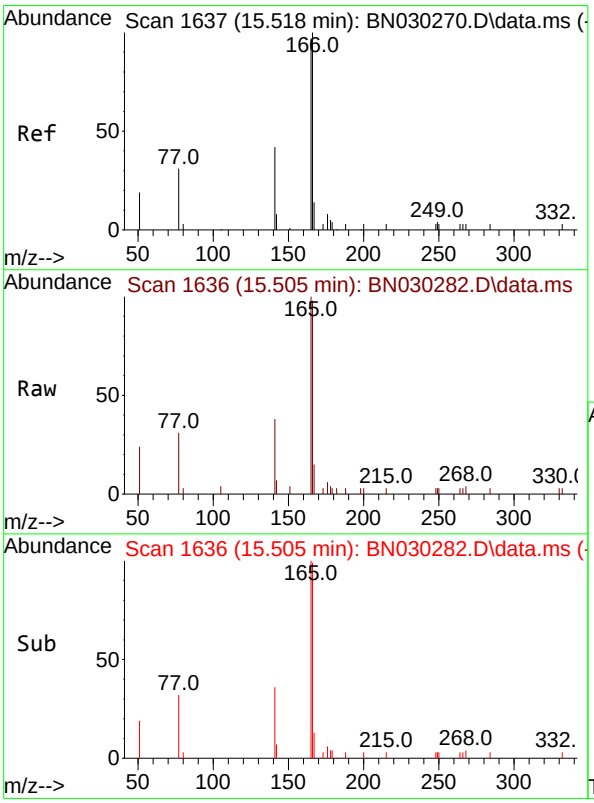
#17
Acenaphthene
Concen: 0.307 ng
RT: 14.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:154 Resp: 2474

Ion	Ratio	Lower	Upper
154	100		
153	117.7	92.9	139.3
152	60.5	47.3	70.9

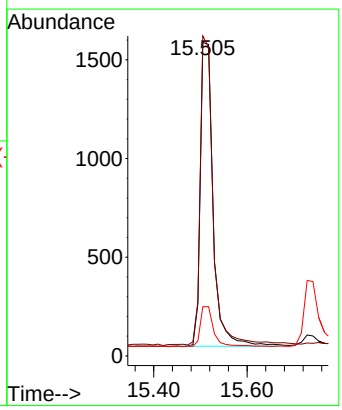


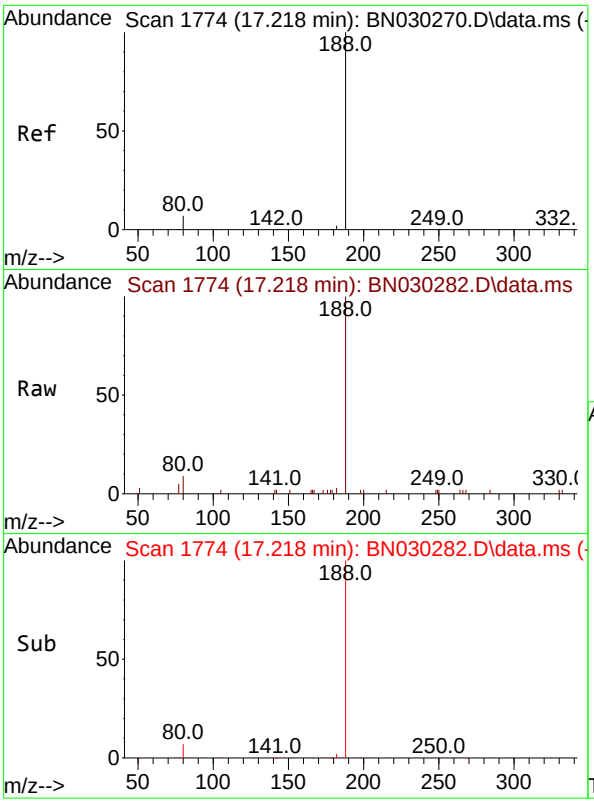


#18
Fluorene
Concen: 0.302 ng
RT: 15.505 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:166 Resp: 2934

Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.9	119.9
167	13.8	11.0	16.4



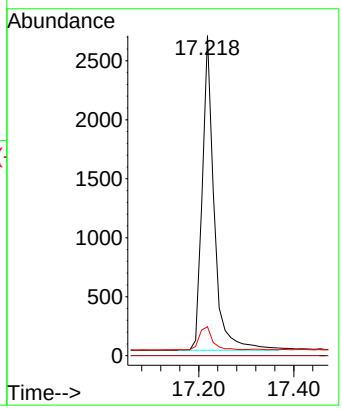


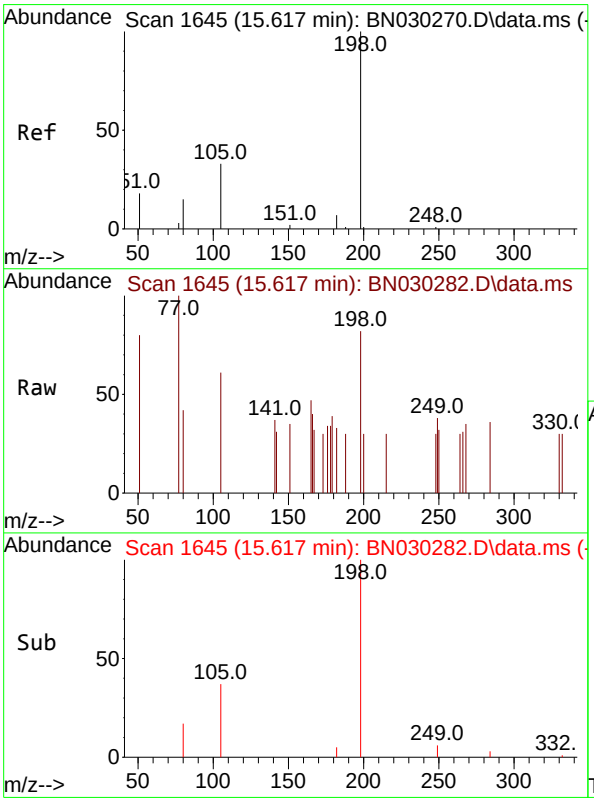
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:188 Resp: 4665

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.8	11.6

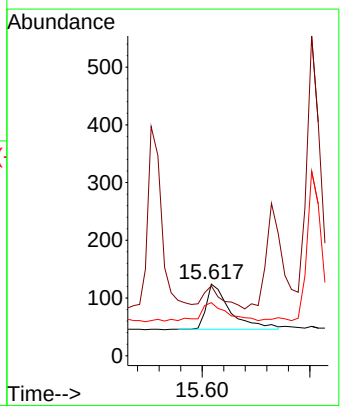


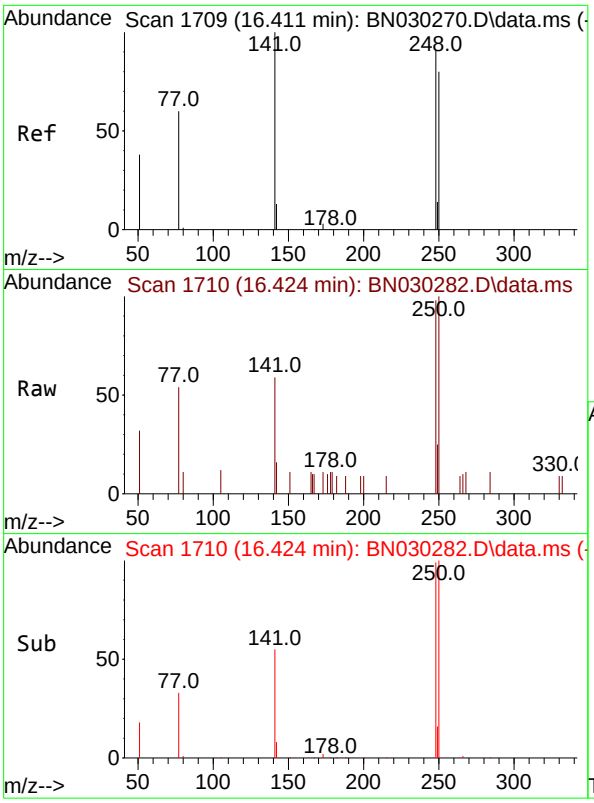


#20
4,6-Dinitro-2-methylphenol
Concen: 0.249 ng
RT: 15.617 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:198 Resp: 241

Ion	Ratio	Lower	Upper
198	100		
51	97.6	67.4	101.2
105	74.2	50.8	76.2



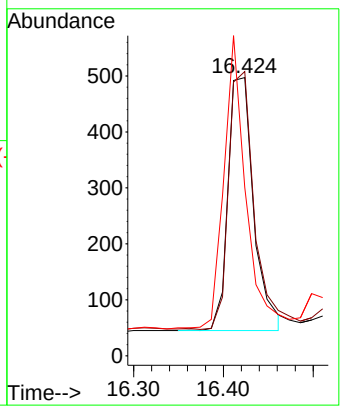


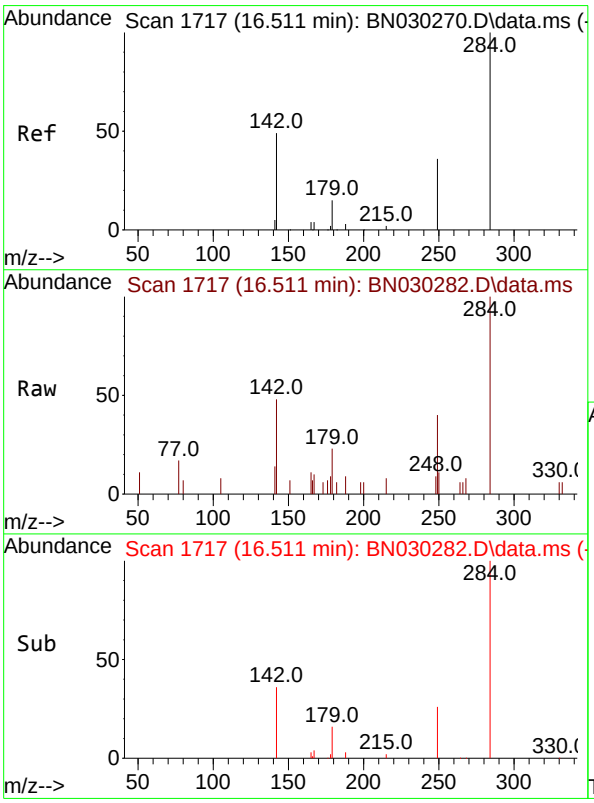
#21
4-Bromophenyl-phenylether
Concen: 0.316 ng
RT: 16.424 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:248 Resp: 900

Ion	Ratio	Lower	Upper
248	100		
250	102.2	71.3	106.9
141	60.6	88.0	132.0#

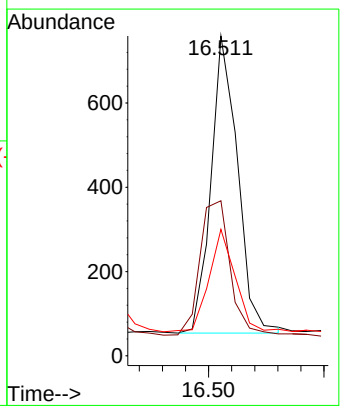


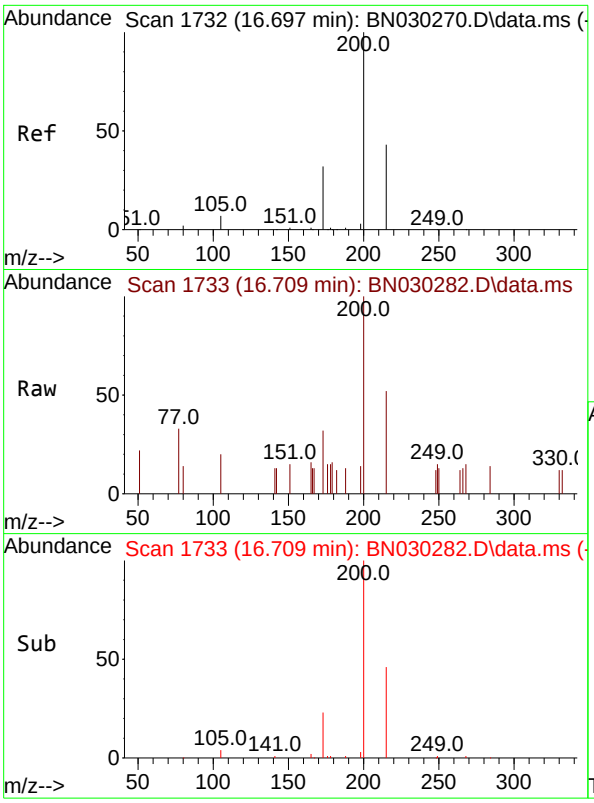


#22
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.511 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:284 Resp: 1130

Ion	Ratio	Lower	Upper
284	100		
142	51.3	41.0	61.6
249	33.6	27.4	41.2



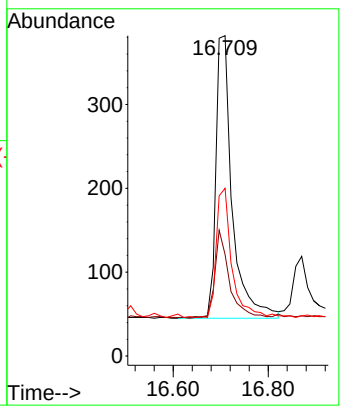


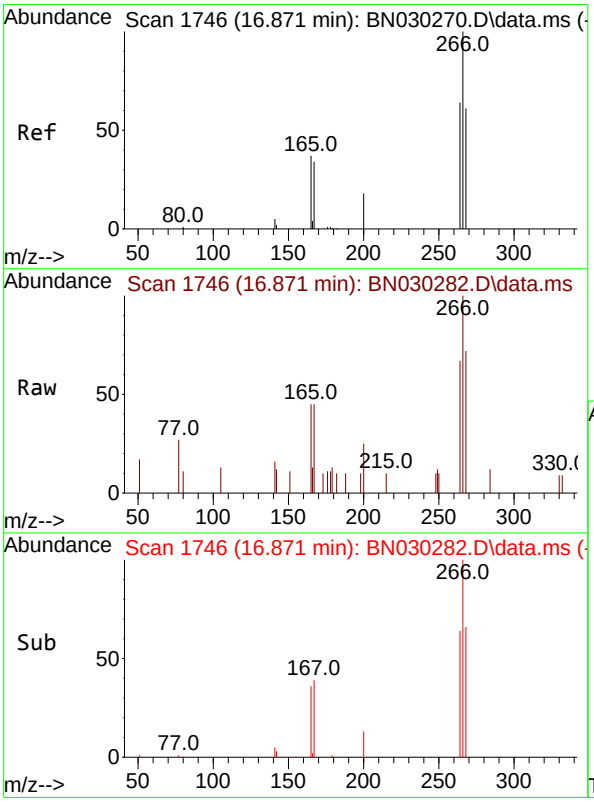
#23
Atrazine
Concen: 0.318 ng
RT: 16.709 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:200 Resp: 803

Ion	Ratio	Lower	Upper
200	100		
173	31.7	30.8	46.2
215	52.4	38.7	58.1

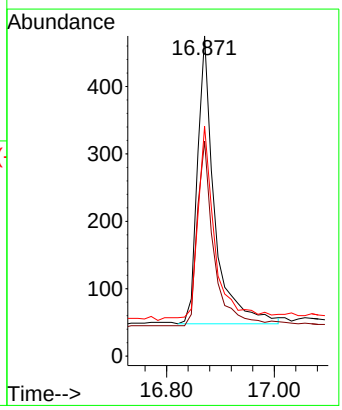


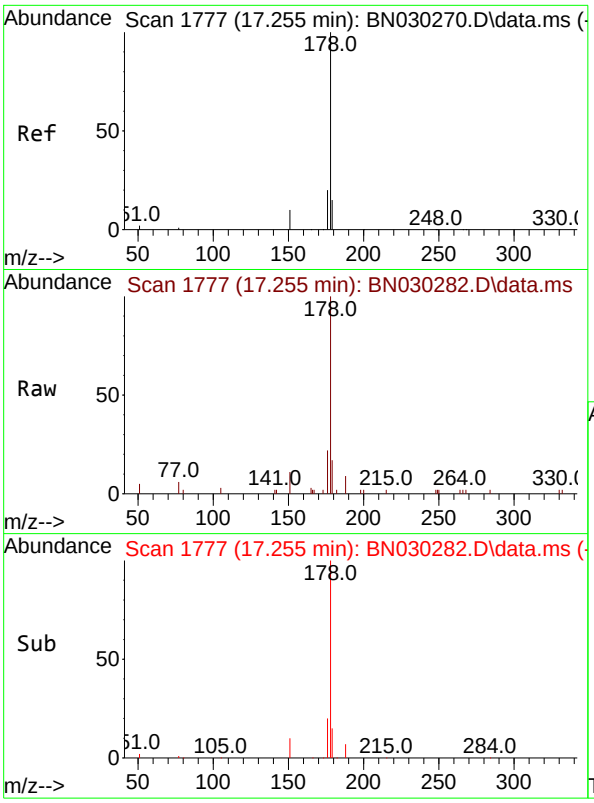


#24
Pentachlorophenol
Concen: 0.545 ng
RT: 16.871 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:266 Resp: 936

Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.1	73.7
268	63.4	49.2	73.8



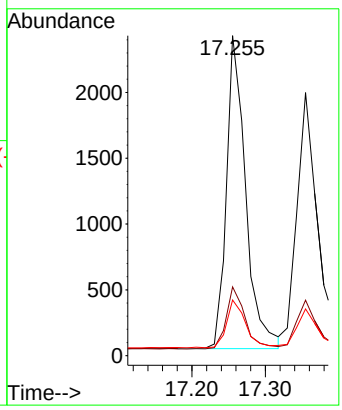


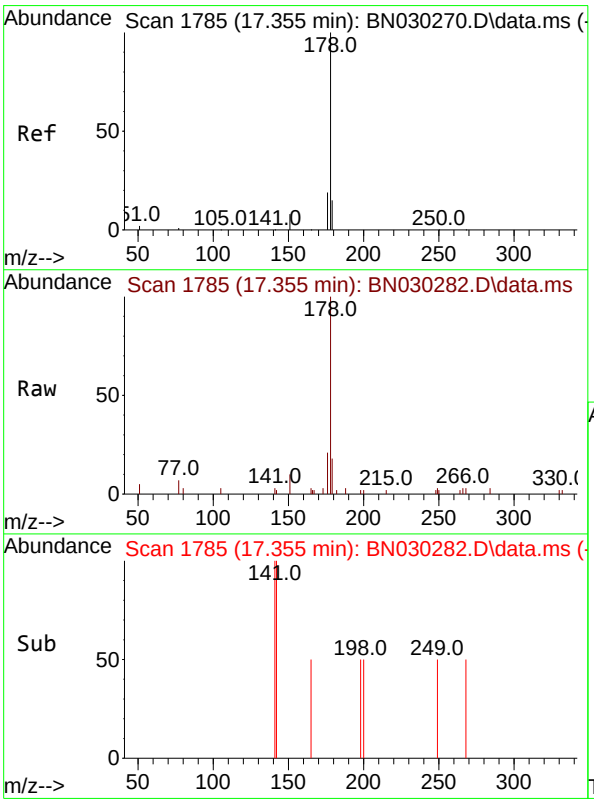
#25
Phenanthrene
Concen: 0.324 ng
RT: 17.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:178 Resp: 4317

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.2	12.4	18.6

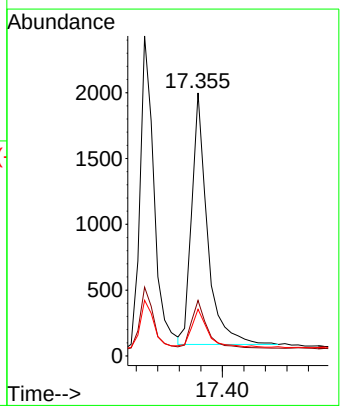


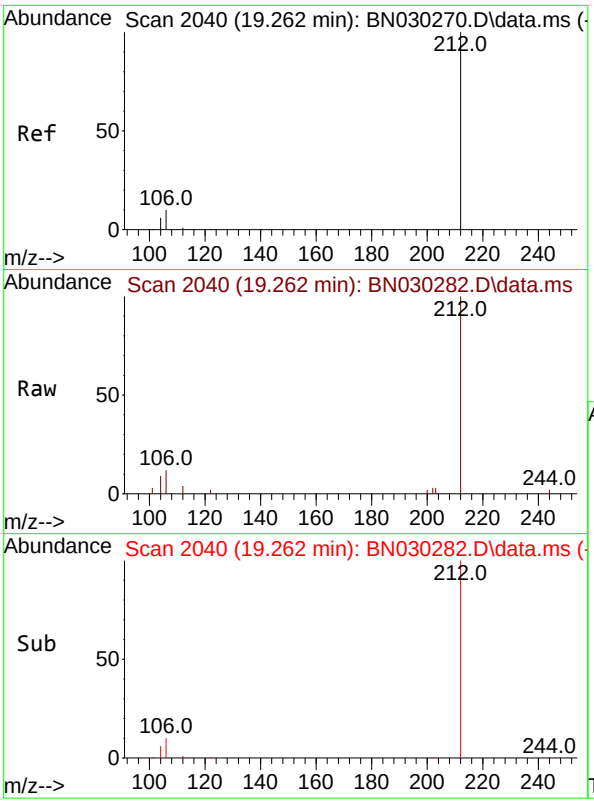


#26
Anthracene
Concen: 0.316 ng
RT: 17.355 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:178 Resp: 3872

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.5	18.7



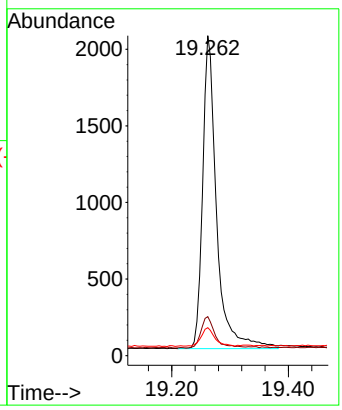


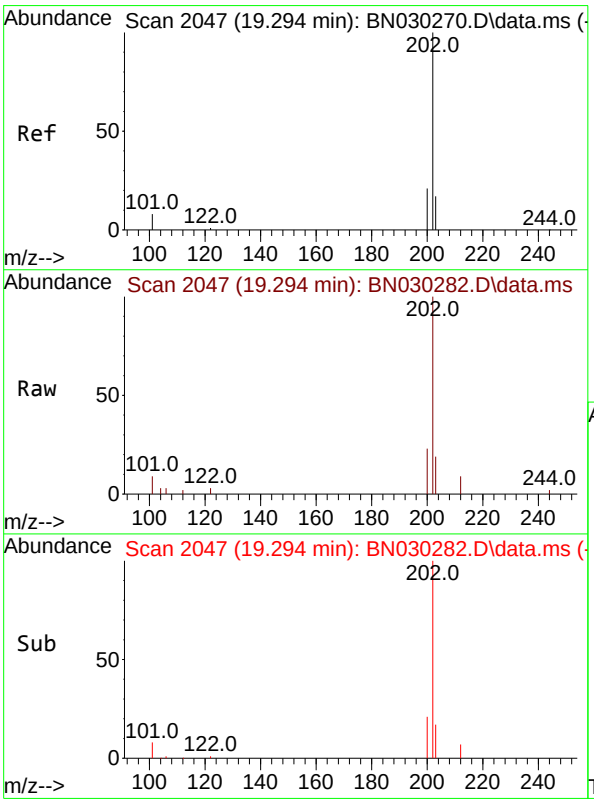
#27
Fluoranthene-d10
Concen: 0.266 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:212 Resp: 3406

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.4
104	5.8	4.7	7.1

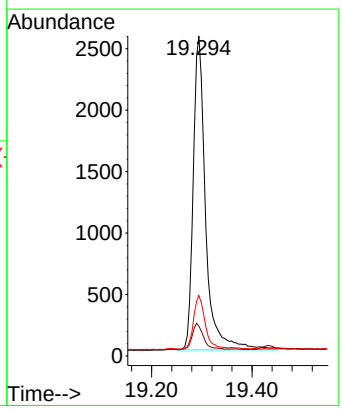


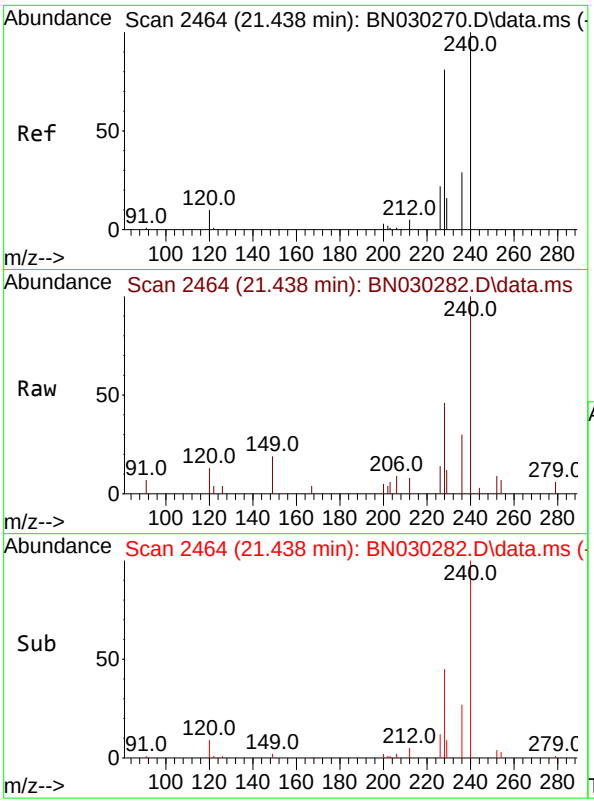


#28
Fluoranthene
Concen: 0.270 ng
RT: 19.294 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:202 Resp: 4391

Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.3	9.5
203	16.2	13.4	20.0



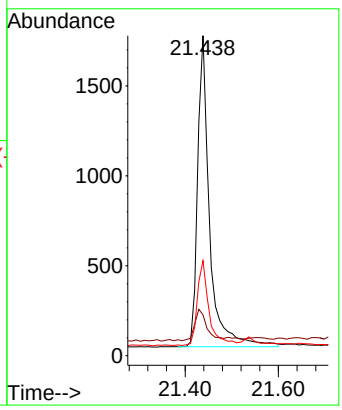


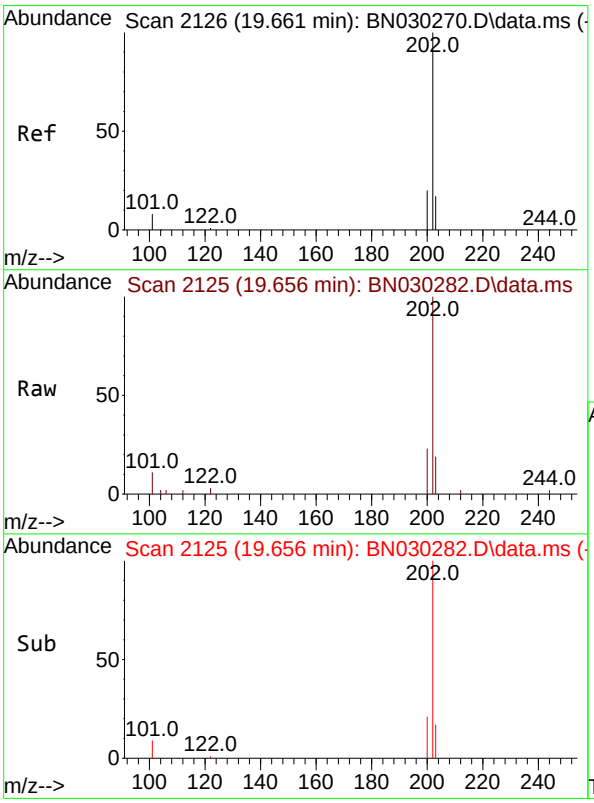
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.438 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:240 Resp: 3085

Ion	Ratio	Lower	Upper
240	100		
120	12.8	12.2	18.2
236	29.7	25.2	37.8

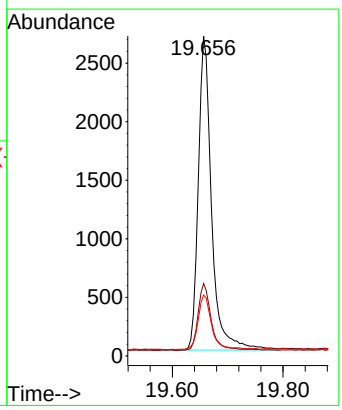


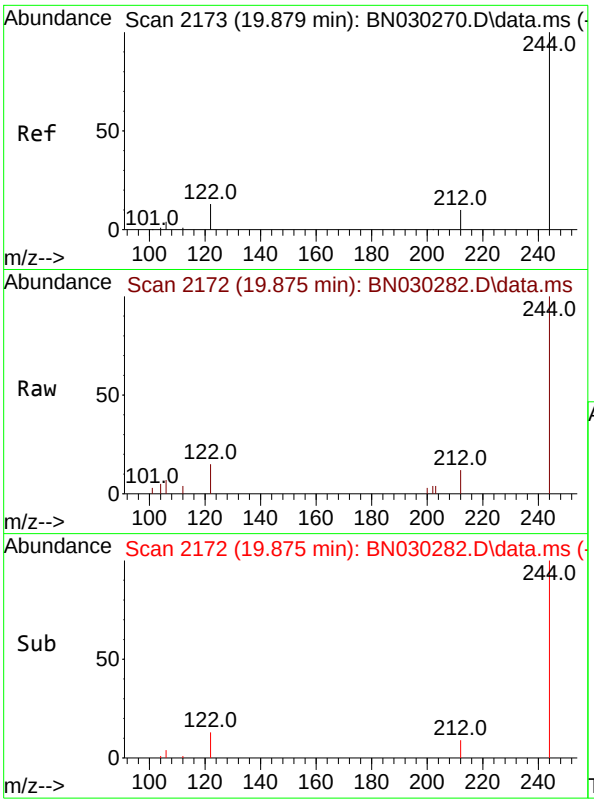


#30
Pyrene
Concen: 0.345 ng
RT: 19.656 min Scan# 2125
Delta R.T. -0.005 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:202 Resp: 4468

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.9	14.1	21.1



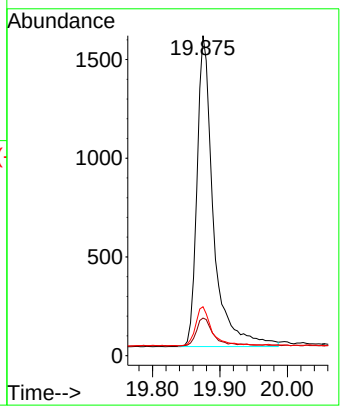


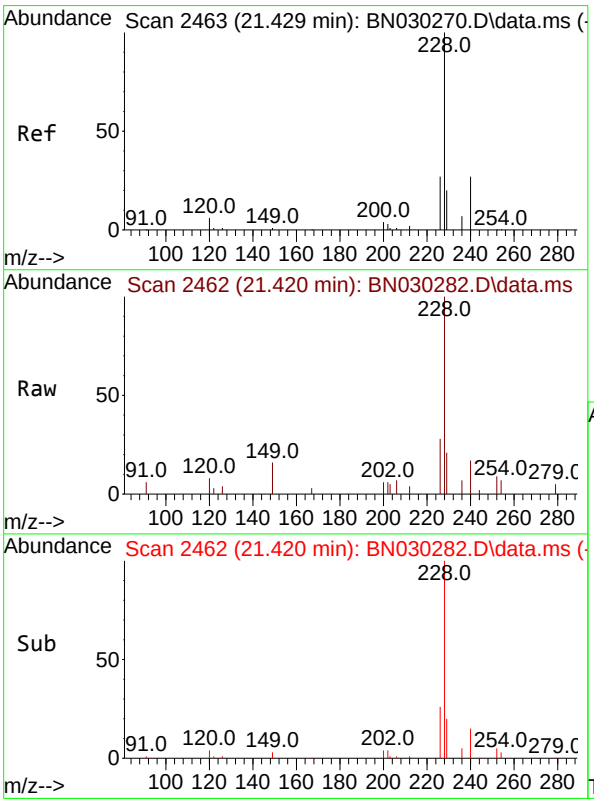
#31
Terphenyl-d14
Concen: 0.332 ng
RT: 19.875 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:244 Resp: 2656

Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.5	14.3
122	15.3	11.8	17.6

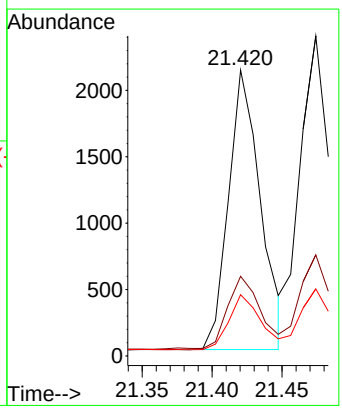


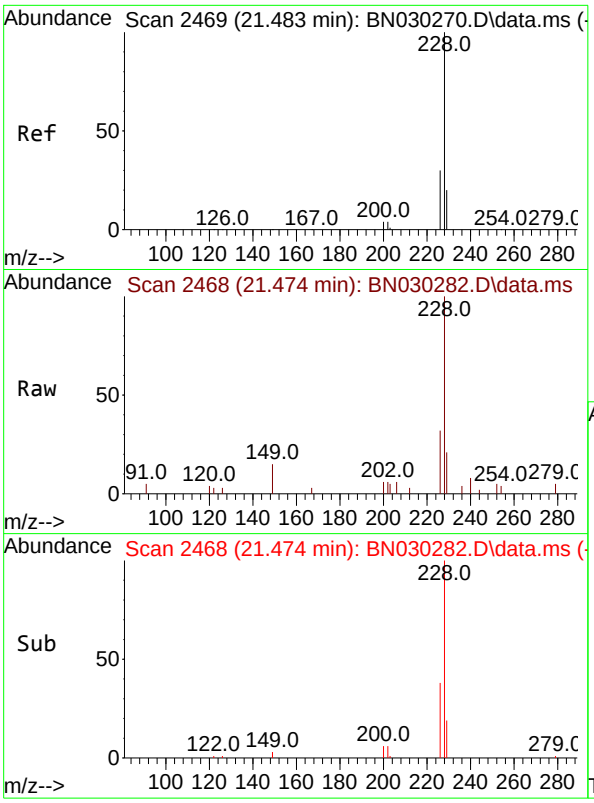


#32
Benzo(a)anthracene
Concen: 0.310 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:228 Resp: 3352

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.1	34.7
229	21.4	17.0	25.4



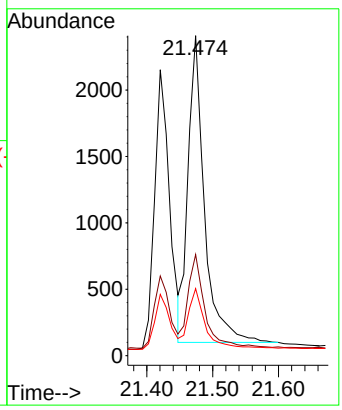


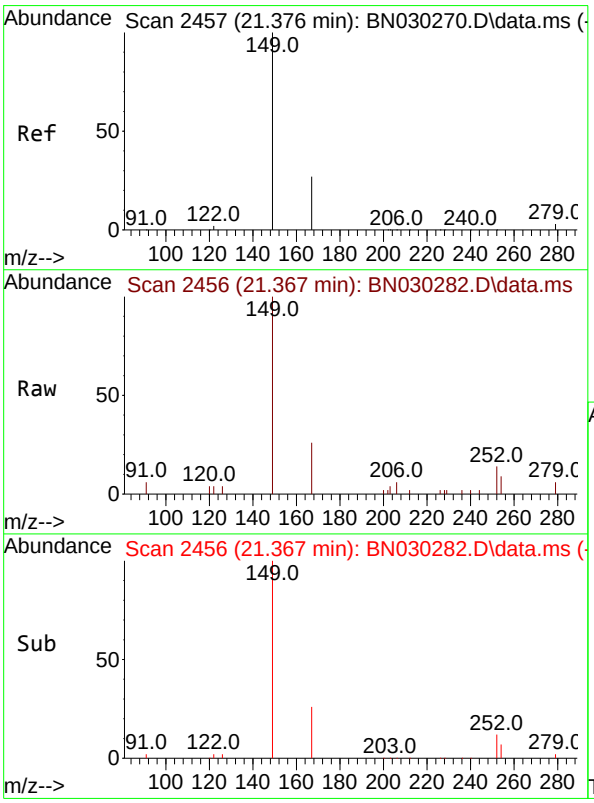
#33
Chrysene
Concen: 0.339 ng
RT: 21.474 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:228 Resp: 3972

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	37.0
229	21.0	17.3	25.9

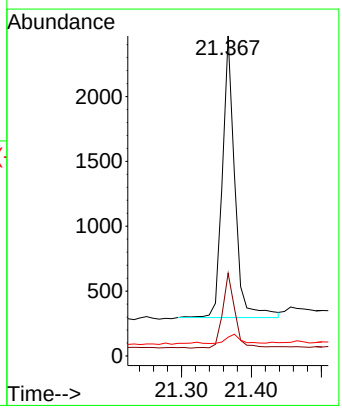


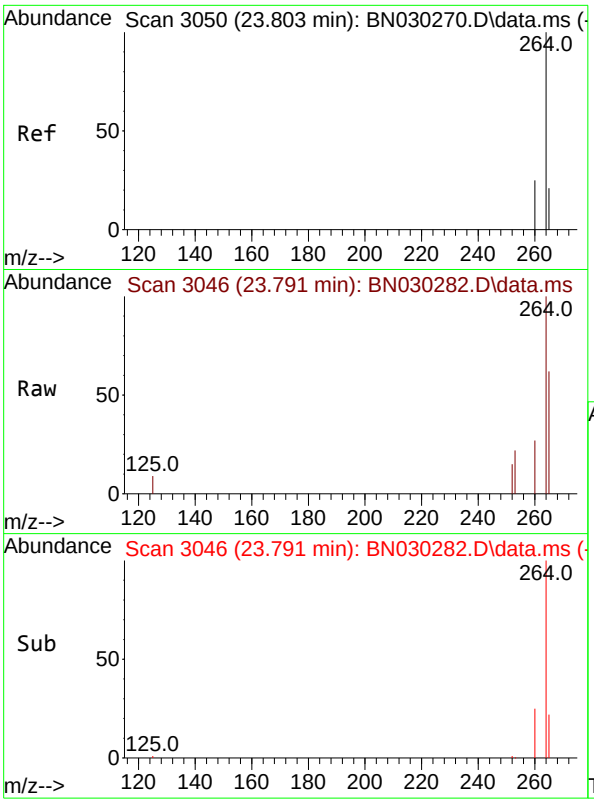


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.312 ng
RT: 21.367 min Scan# 2456
Delta R.T. -0.009 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:149 Resp: 2685

Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.6	30.8
279	3.6	4.0	6.0#



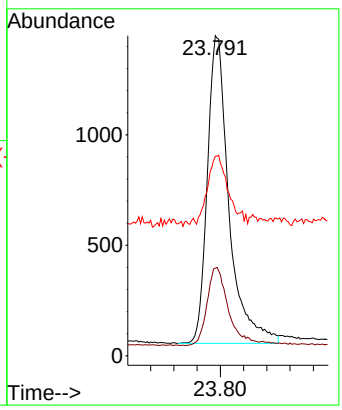


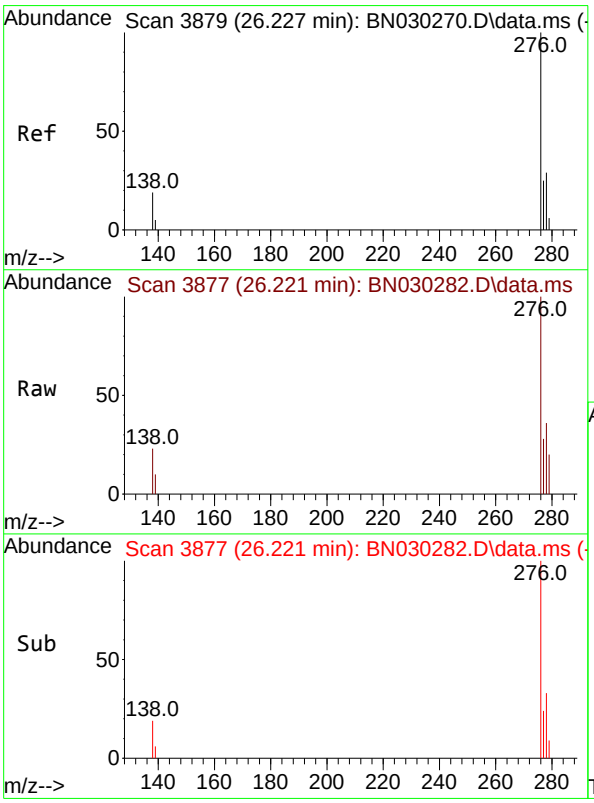
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.791 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:264 Resp: 3605

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.7	32.5
265	62.3	50.8	76.2

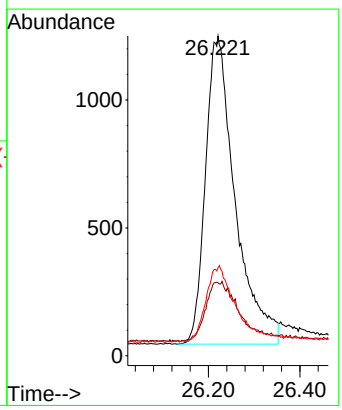


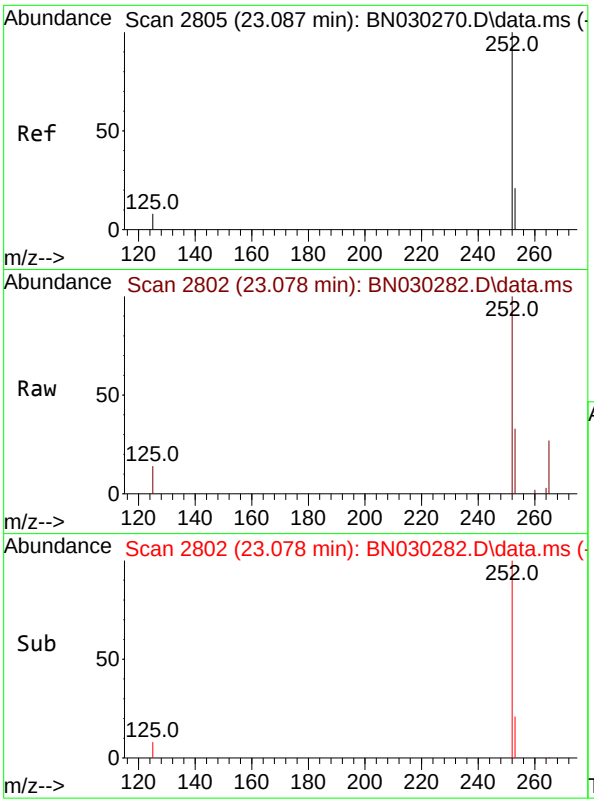


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.359 ng
RT: 26.221 min Scan# 3877
Delta R.T. -0.006 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:276 Resp: 5427

Ion	Ratio	Lower	Upper
276	100		
138	9.0	17.4	26.2#
277	24.3	18.9	28.3



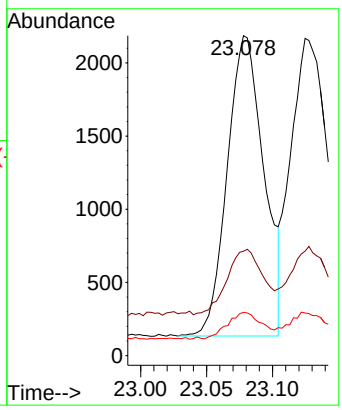


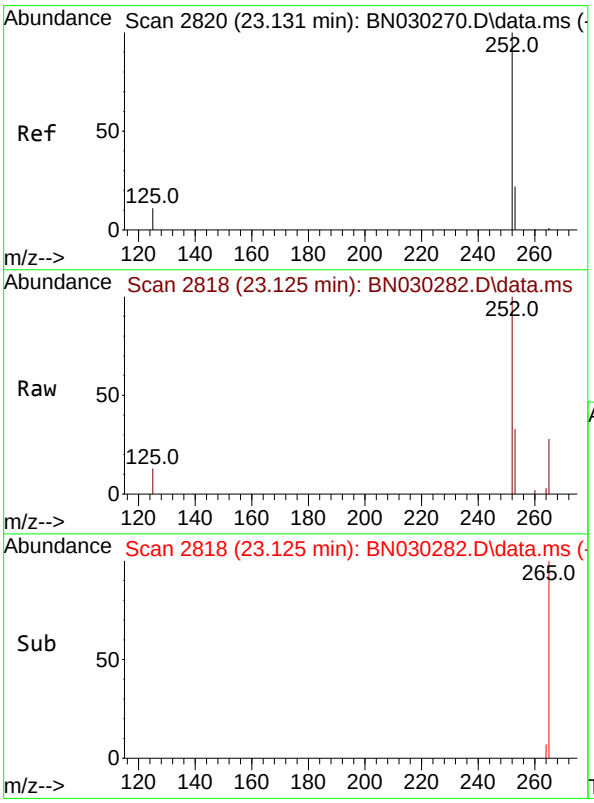
#37
Benzo(b)fluoranthene
Concen: 0.314 ng
RT: 23.078 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:252 Resp: 3954

Ion	Ratio	Lower	Upper
252	100		
253	32.7	25.4	38.0
125	13.5	10.0	15.0

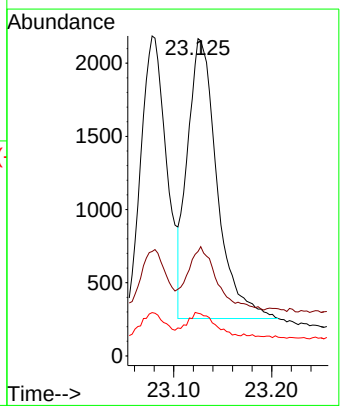


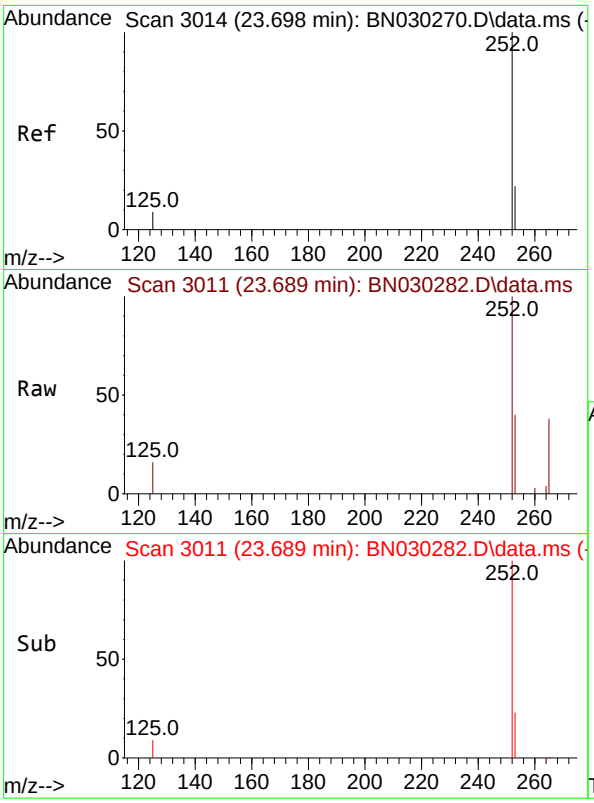


#38
Benzo(k)fluoranthene
Concen: 0.315 ng
RT: 23.125 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:252 Resp: 4027

Ion	Ratio	Lower	Upper
252	100		
253	32.9	25.7	38.5
125	13.5	11.5	17.3



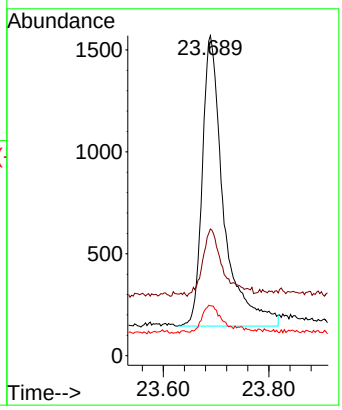


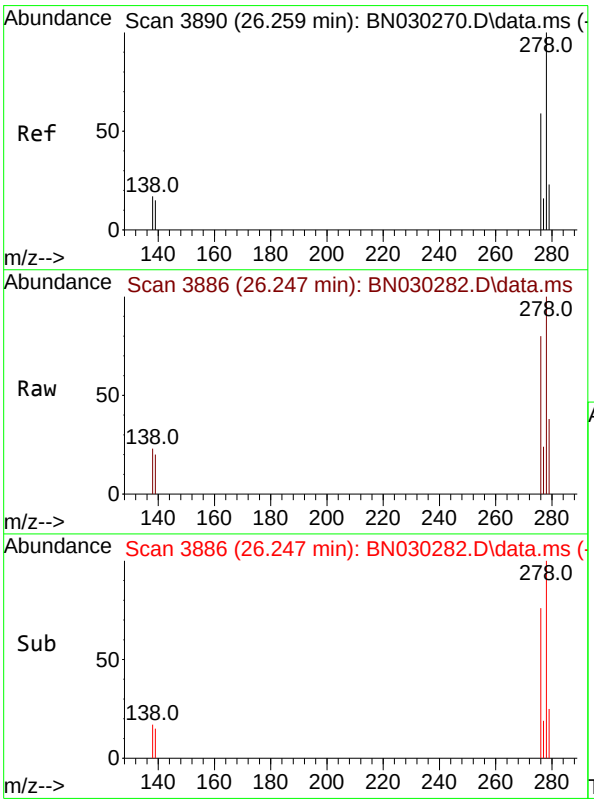
#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.689 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:252 Resp: 3999

Ion	Ratio	Lower	Upper
252	100		
253	39.6	30.8	46.2
125	15.6	12.5	18.7

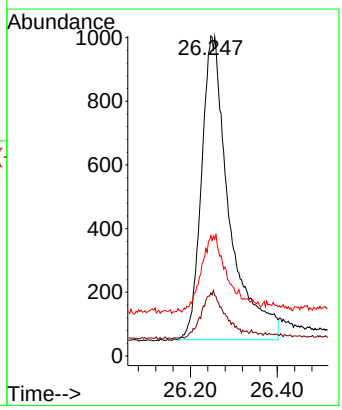


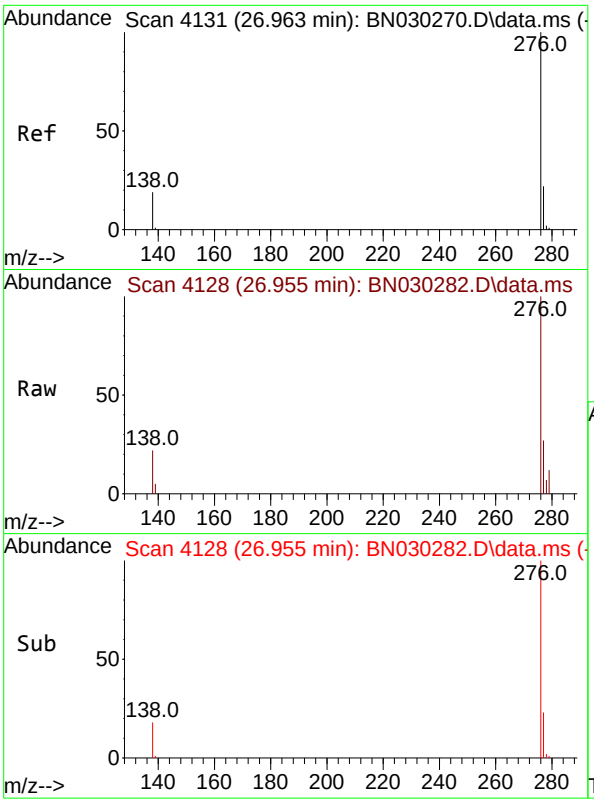


#40
Dibenzo(a,h)anthracene
Concen: 0.357 ng
RT: 26.247 min Scan# 3886
Delta R.T. -0.012 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Tgt Ion:278 Resp: 4237

Ion	Ratio	Lower	Upper
278	100		
139	19.7	15.5	23.3
279	37.6	27.3	40.9





#41
Benzo(g,h,i)perylene
Concen: 0.335 ng
RT: 26.955 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN030282.D
Acq: 06 Mar 2024 02:42

Instrument :
BNA_N
ClientSampleId :
PB159350BS

Tgt Ion:276 Resp: 4589

Ion	Ratio	Lower	Upper
276	100		
277	27.0	20.6	30.8
138	22.1	18.2	27.4