Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030384.D
Acq On : 13 Mar 2024 16:22
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Mar 14 11:19:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:09:54 2024
Response via : Initial Calibration

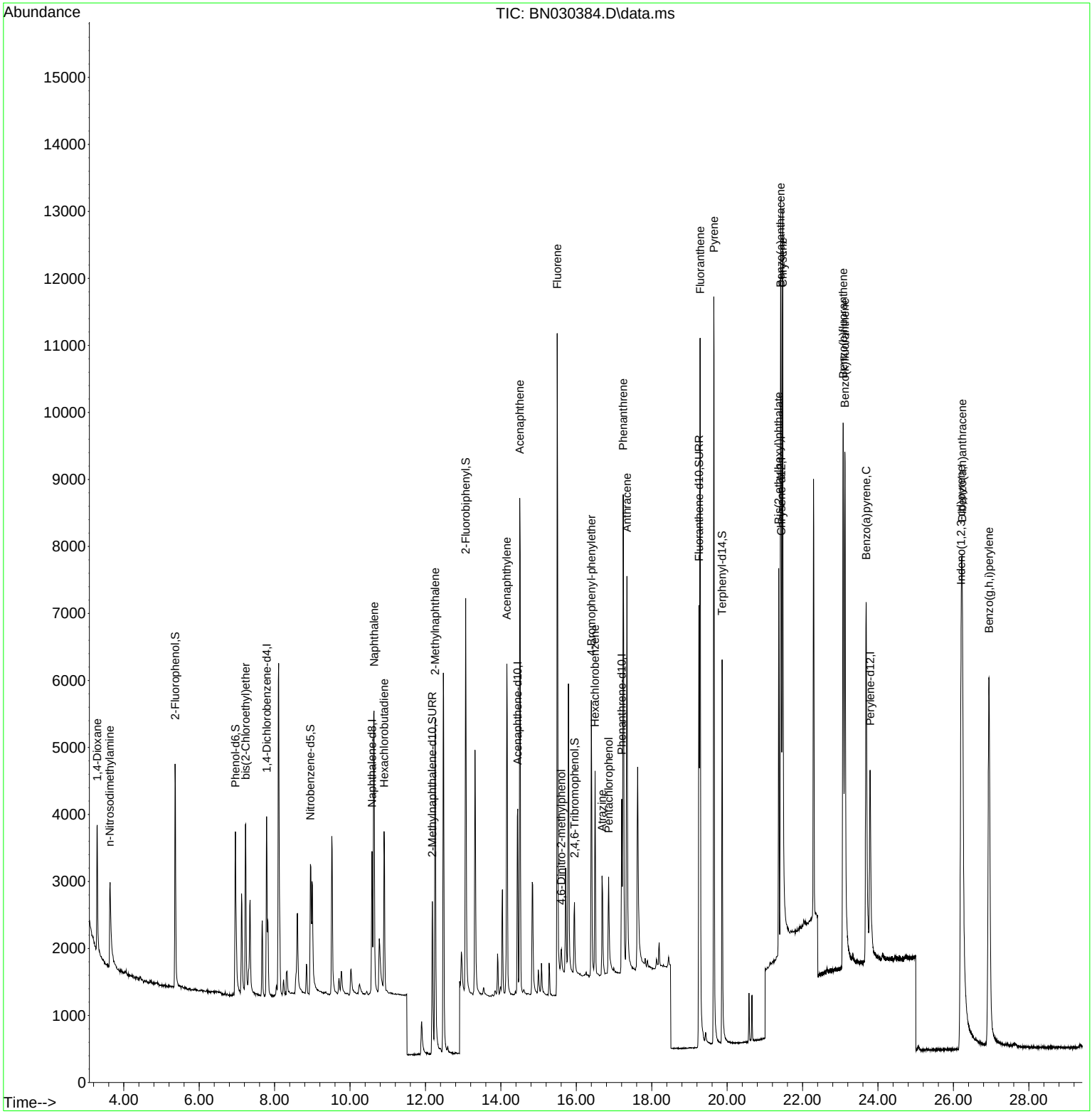
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.789	152	1388	0.400	ng		0.00
7) Naphthalene-d8	10.583	136	3146	0.400	ng		0.00
13) Acenaphthene-d10	14.447	164	1797	0.400	ng		0.00
19) Phenanthrene-d10	17.206	188	3980	0.400	ng		0.00
29) Chrysene-d12	21.438	240	3968	0.400	ng		0.00
35) Perylene-d12	23.791	264	4620	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.363	112	2804	0.776	ng		0.00
5) Phenol-d6	6.959	99	2691	0.764	ng		0.00
8) Nitrobenzene-d5	8.950	82	2264	0.785	ng		-0.01
11) 2-Methylnaphthalene-d10	12.181	152	3821	0.782	ng		0.00
14) 2,4,6-Tribromophenol	15.952	330	781	0.746	ng		0.00
15) 2-Fluorobiphenyl	13.068	172	5768	0.797	ng		0.00
27) Fluoranthene-d10	19.252	212	9059	0.785	ng		0.00
31) Terphenyl-d14	19.865	244	6957	0.772	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	1451	0.753	ng		95
3) n-Nitrosodimethylamine	3.629	42	1417	0.802	ng	#	90
6) bis(2-Chloroethyl)ether	7.233	93	2177	0.769	ng		98
9) Naphthalene	10.637	128	6522	0.776	ng		97
10) Hexachlorobutadiene	10.904	225	2023	0.777	ng	#	100
12) 2-Methylnaphthalene	12.257	142	4218	0.778	ng		97
16) Acenaphthylene	14.158	152	6098	0.776	ng		100
17) Acenaphthene	14.500	154	4010	0.778	ng		99
18) Fluorene	15.494	166	4828	0.756	ng		98
20) 4,6-Dinitro-2-methylph...	15.604	198	536	0.715	ng	#	56
21) 4-Bromophenyl-phenylether	16.399	248	1856	0.790	ng	#	79
22) Hexachlorobenzene	16.498	284	2200	0.784	ng		98
23) Atrazine	16.684	200	1609	0.761	ng		95
24) Pentachlorophenol	16.858	266	1052	0.716	ng		94
25) Phenanthrene	17.243	178	8219	0.776	ng		99
26) Anthracene	17.342	178	7548	0.778	ng		99
28) Fluoranthene	19.285	202	11030	0.772	ng		99
30) Pyrene	19.647	202	11493	0.776	ng		99
32) Benzo(a)anthracene	21.420	228	10160	0.770	ng		100
33) Chrysene	21.474	228	11240	0.773	ng		99
34) Bis(2-ethylhexyl)phtha...	21.366	149	5096	0.740	ng	#	98
36) Indeno(1,2,3-cd)pyrene	26.203	276	15559	0.791	ng	#	92
37) Benzo(b)fluoranthene	23.075	252	11706	0.777	ng		91
38) Benzo(k)fluoranthene	23.122	252	11997	0.787	ng		93
39) Benzo(a)pyrene	23.689	252	11126	0.795	ng	#	89
40) Dibenzo(a,h)anthracene	26.232	278	12593	0.809	ng		94
41) Benzo(g,h,i)perylene	26.943	276	14763	0.804	ng		97

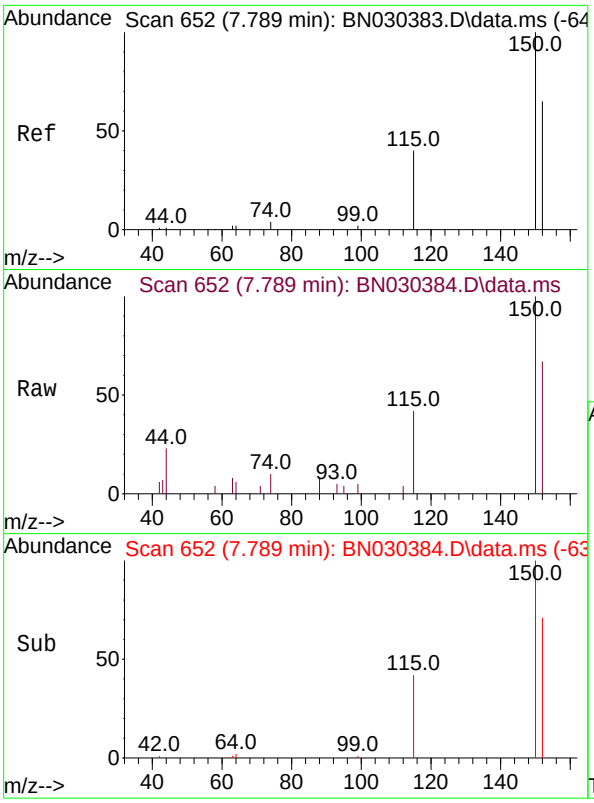
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030384.D
Acq On : 13 Mar 2024 16:22
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Mar 14 11:19:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:09:54 2024
Response via : Initial Calibration



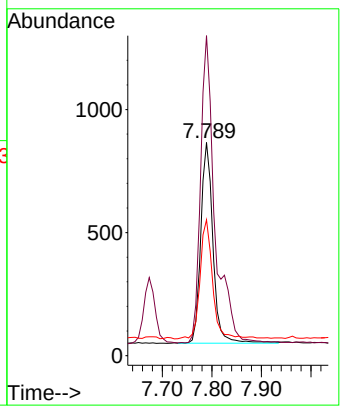


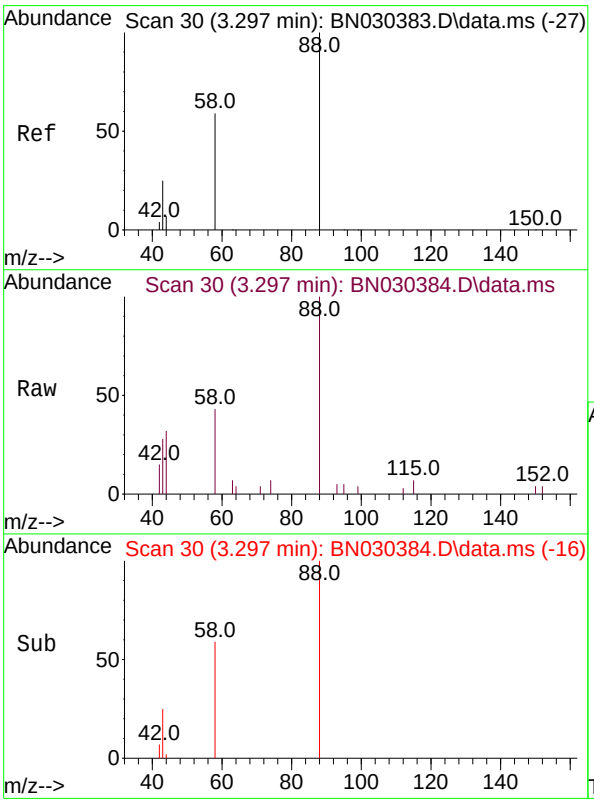
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 1388

Ion	Ratio	Lower	Upper
152	100		
150	150.1	120.4	180.6
115	63.7	52.8	79.2

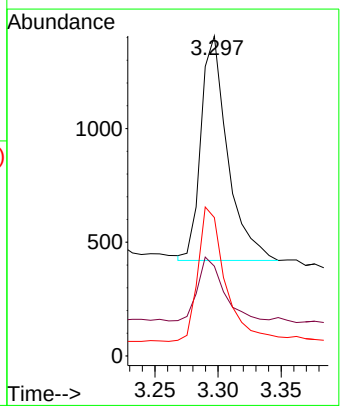


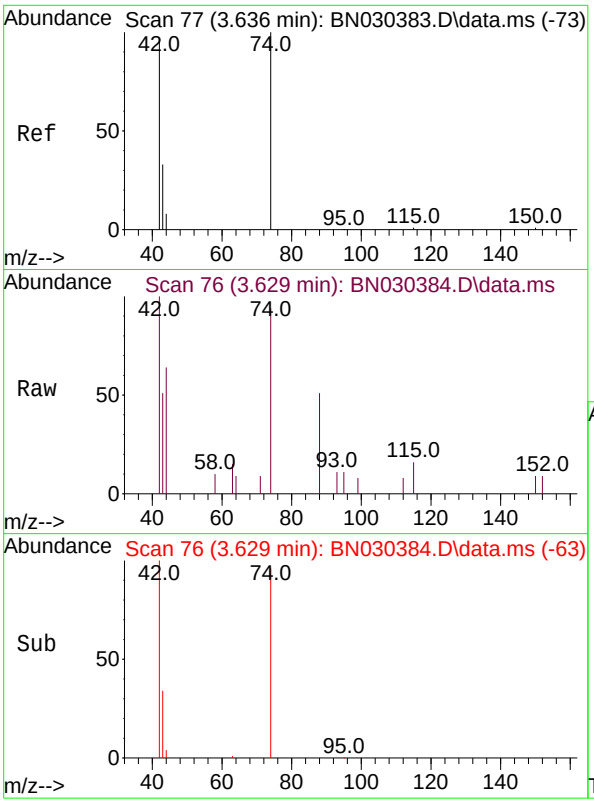


#2
1,4-Dioxane
Concen: 0.753 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion: 88 Resp: 1451

Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.4	35.0
58	62.0	46.1	69.1



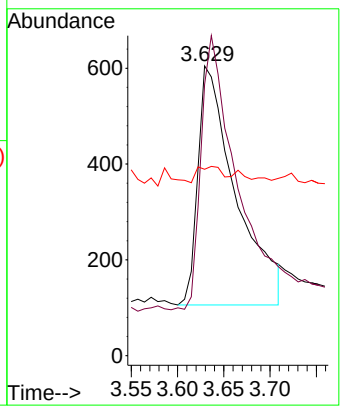


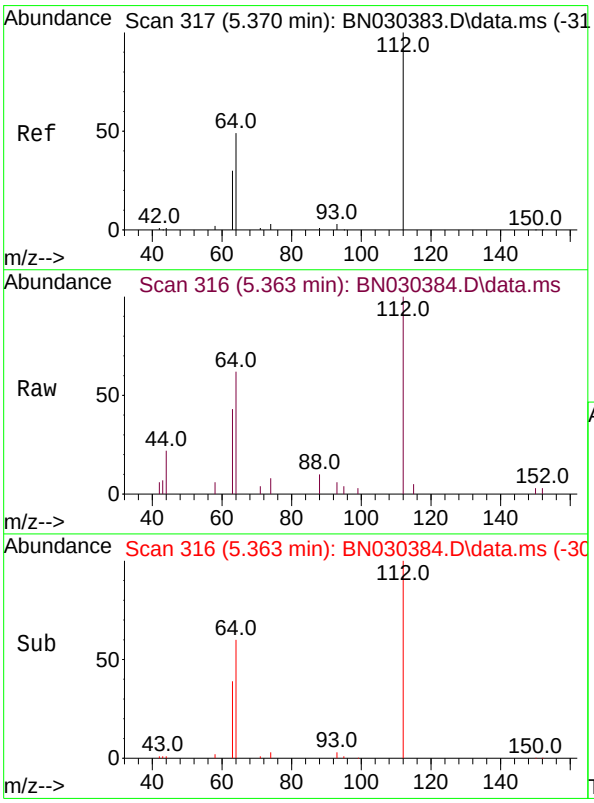
#3
n-Nitrosodimethylamine
Concen: 0.802 ng
RT: 3.629 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1417

Ion	Ratio	Lower	Upper
42	100		
74	108.8	95.4	143.0
44	3.6	6.6	10.0#

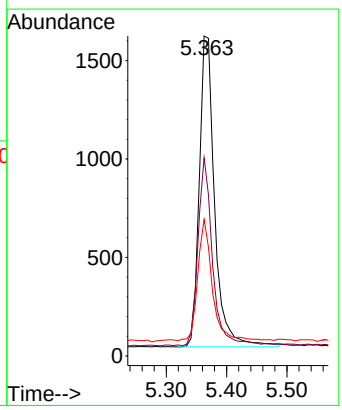


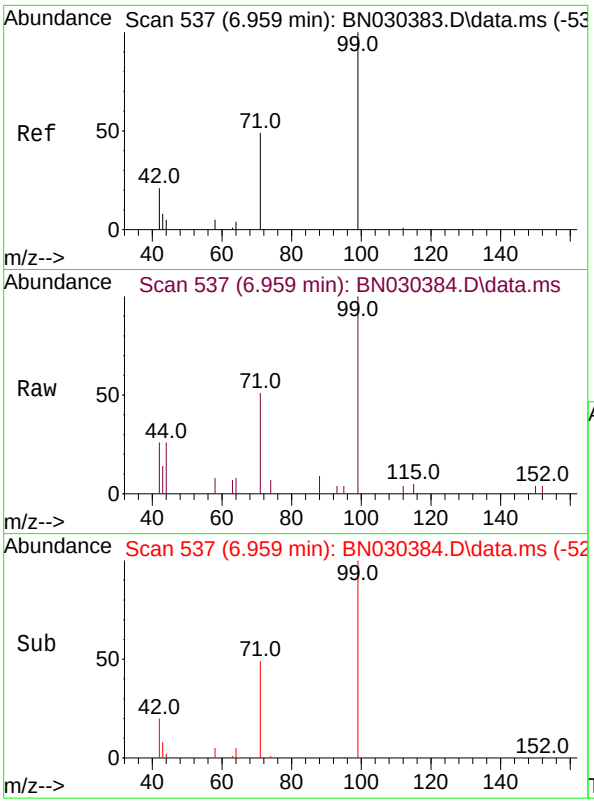


#4
2-Fluorophenol
Concen: 0.776 ng
RT: 5.363 min Scan# 316
Delta R.T. -0.007 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:112 Resp: 2804

Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.6	68.4
63	36.6	28.2	42.4



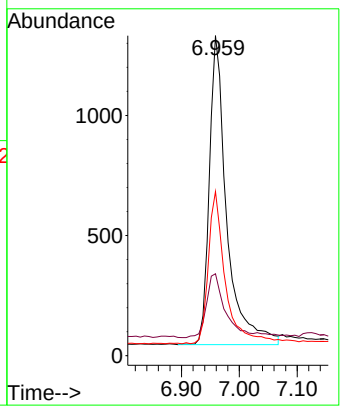


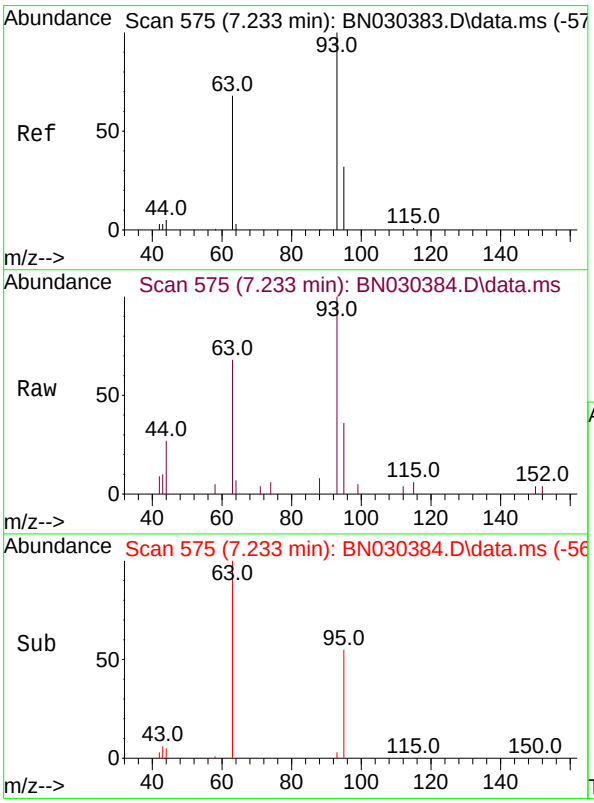
#5
Phenol-d6
Concen: 0.764 ng
RT: 6.959 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 2691

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.0	25.6
71	48.7	37.0	55.6

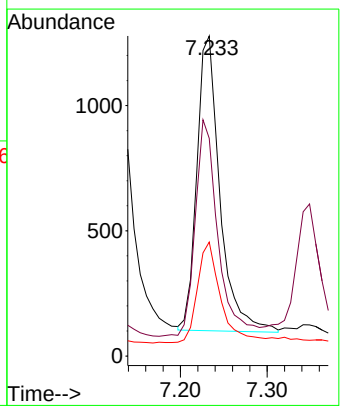


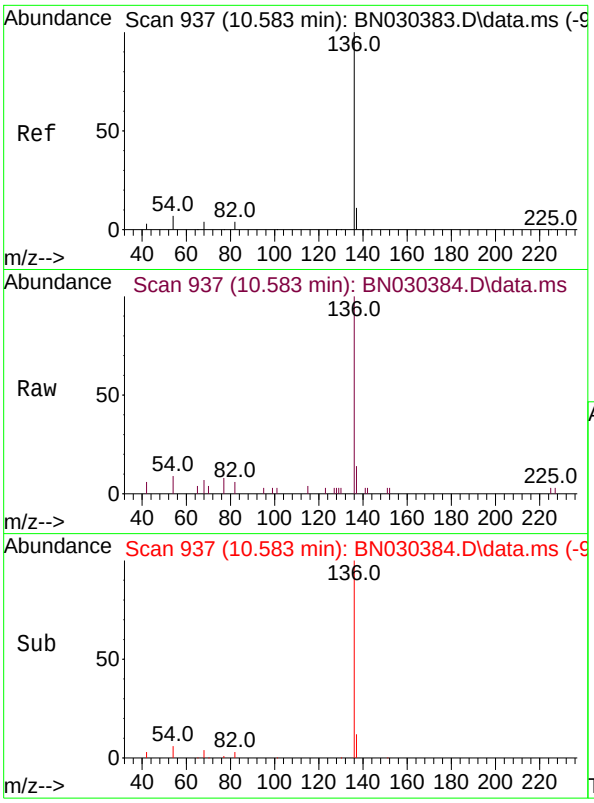


#6
bis(2-Chloroethyl)ether
Concen: 0.769 ng
RT: 7.233 min Scan# 575
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion: 93 Resp: 2177

Ion	Ratio	Lower	Upper
93	100		
63	72.3	58.9	88.3
95	35.0	27.3	40.9



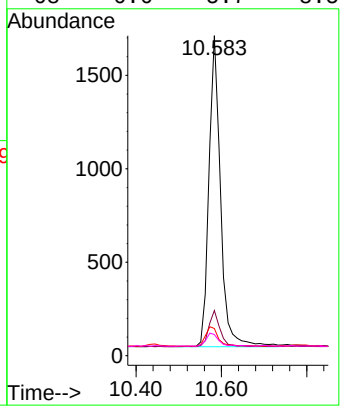


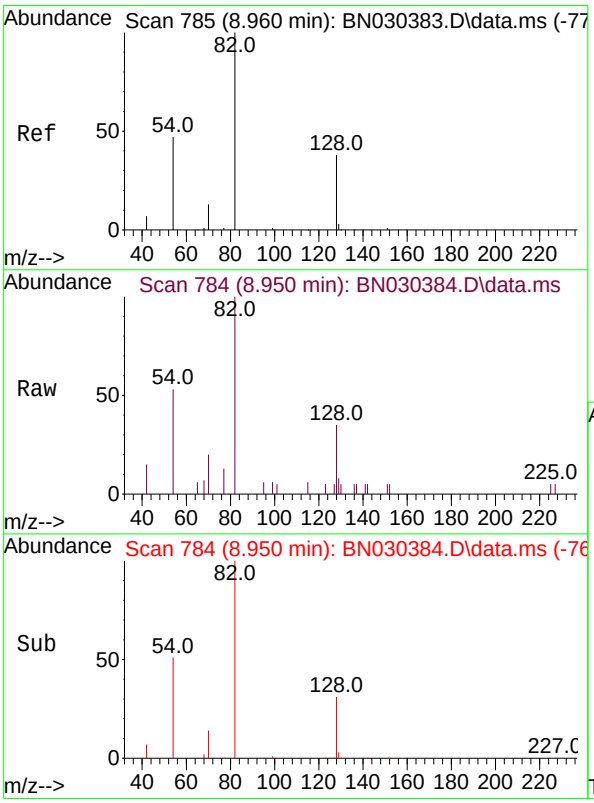
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 3146

Ion	Ratio	Lower	Upper
136	100		
137	14.1	11.0	16.6
54	8.5	7.8	11.8
68	6.6	5.7	8.5

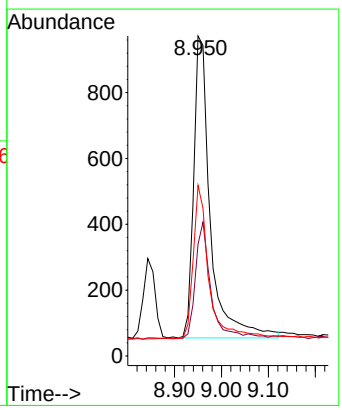


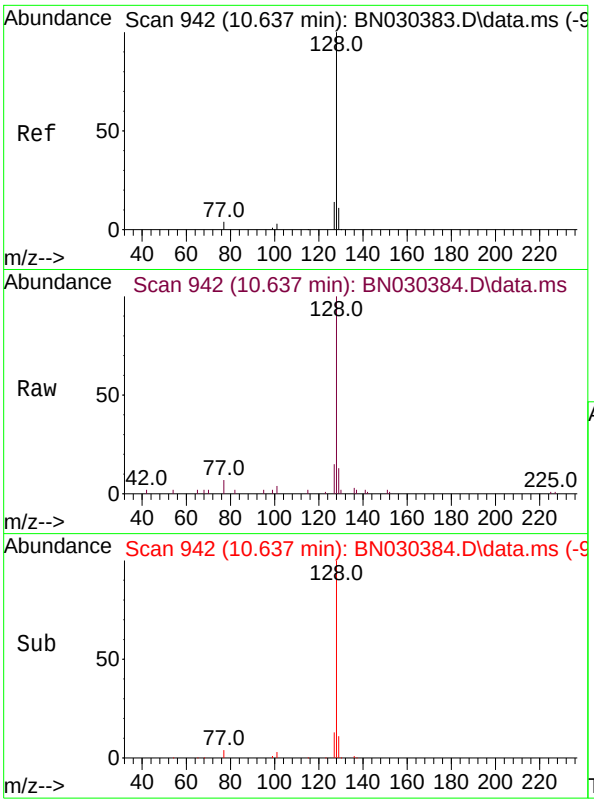


#8
Nitrobenzene-d5
Concen: 0.785 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion: 82 Resp: 2264

Ion	Ratio	Lower	Upper
82	100		
128	35.0	35.2	52.8#
54	53.3	41.5	62.3



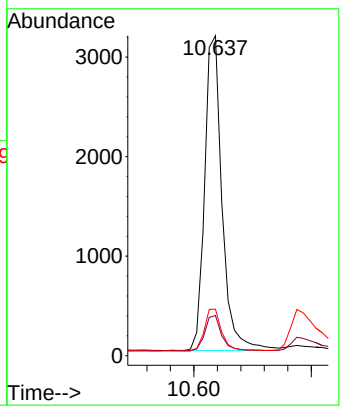


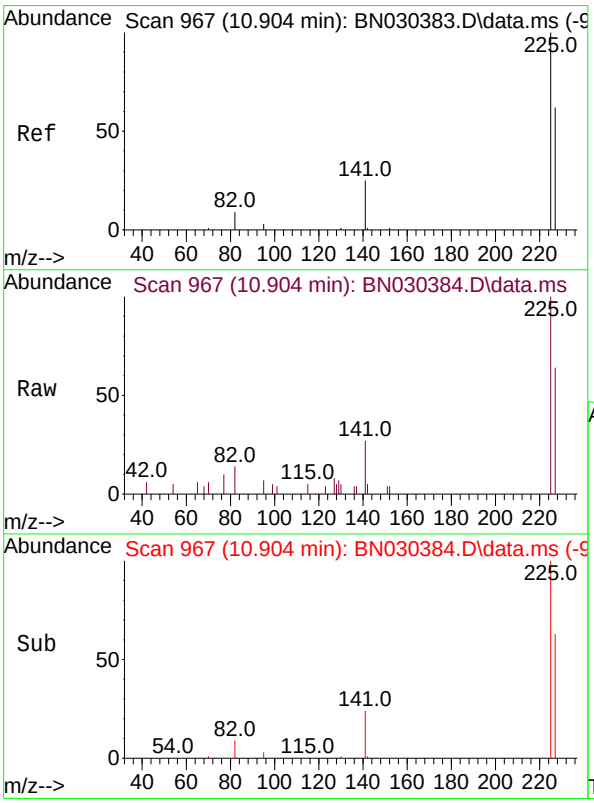
#9
Naphthalene
Concen: 0.776 ng
RT: 10.637 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 6522

Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.8	16.2
127	14.6	12.9	19.3

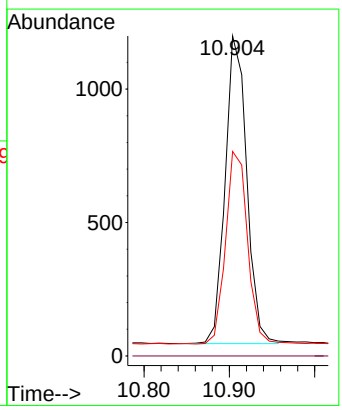


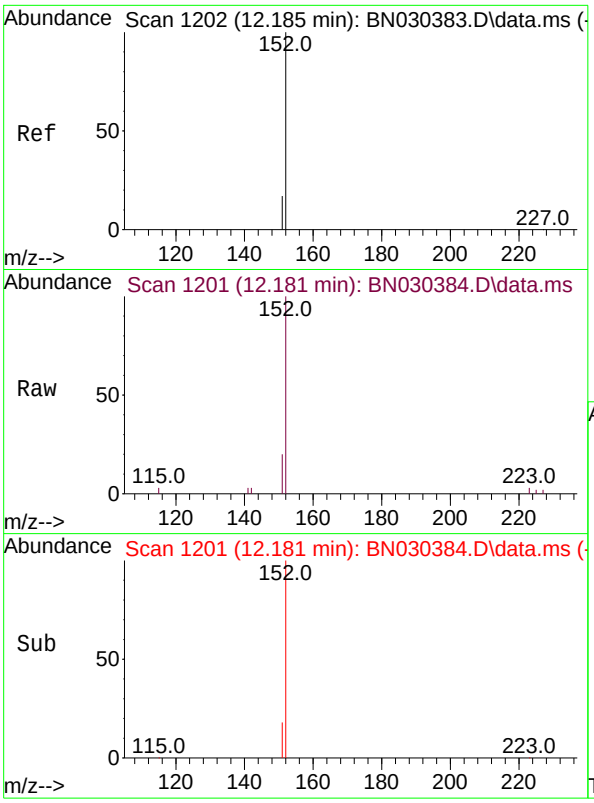


#10
Hexachlorobutadiene
Concen: 0.777 ng
RT: 10.904 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:225 Resp: 2023

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.5	75.7



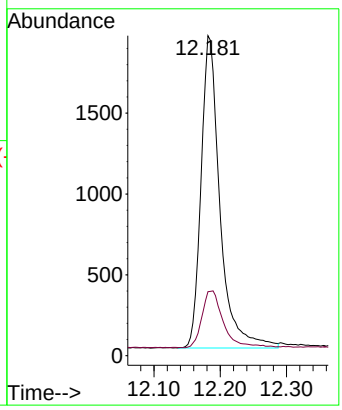


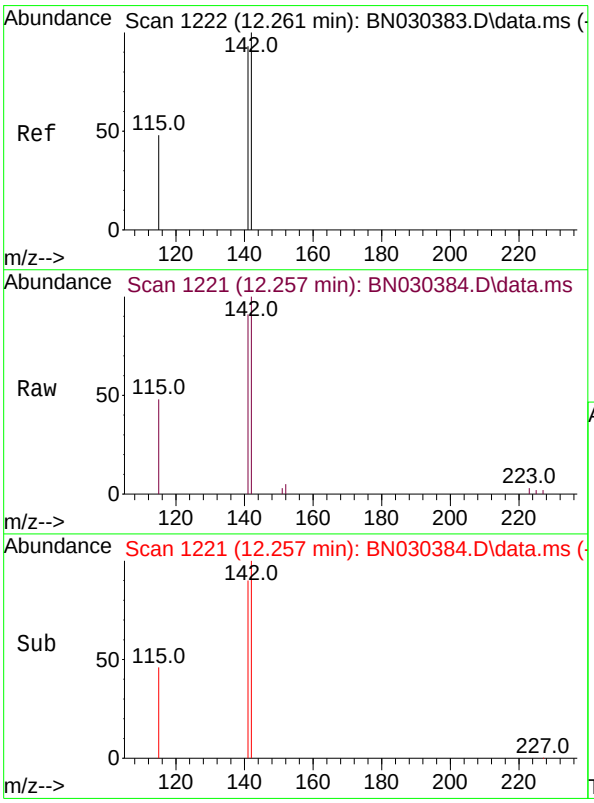
#11
2-Methylnaphthalene-d10
Concen: 0.782 ng
RT: 12.181 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 3821

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.8

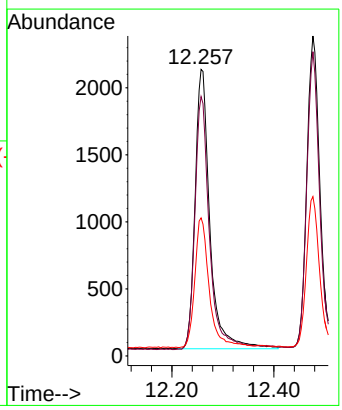


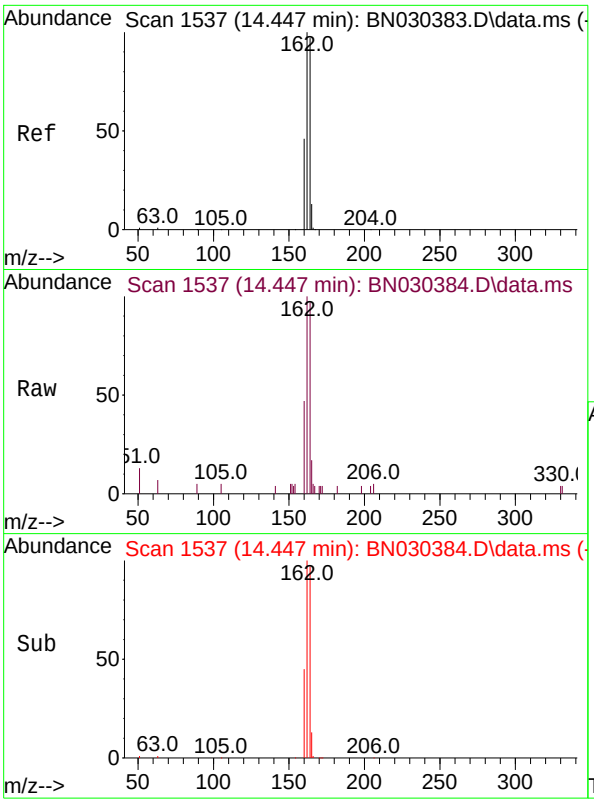


#12
2-Methylnaphthalene
Concen: 0.778 ng
RT: 12.257 min Scan# 1221
Delta R.T. -0.004 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:142 Resp: 4218

Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.2	111.4
115	48.2	41.4	62.0



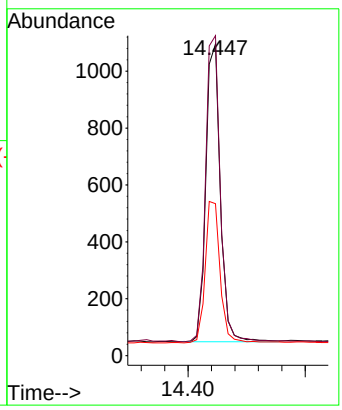


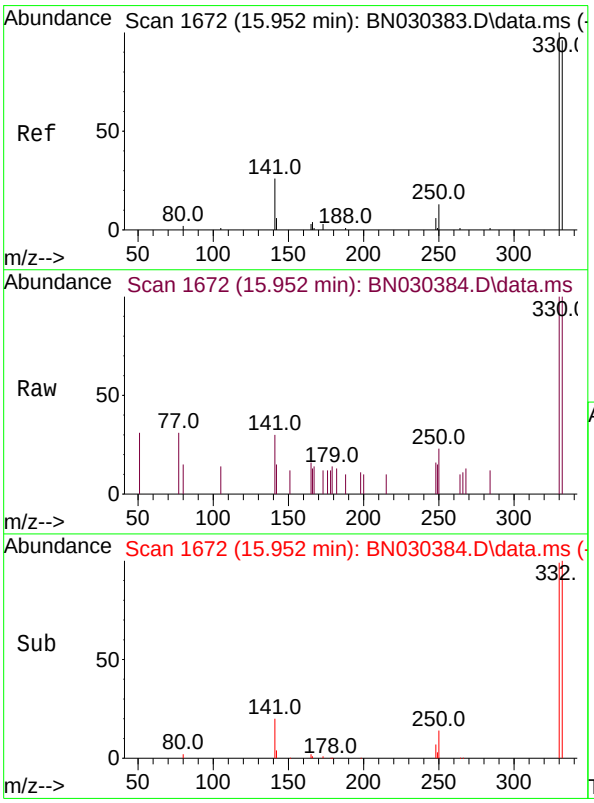
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.447 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 1797

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	124.0
160	48.7	39.5	59.3

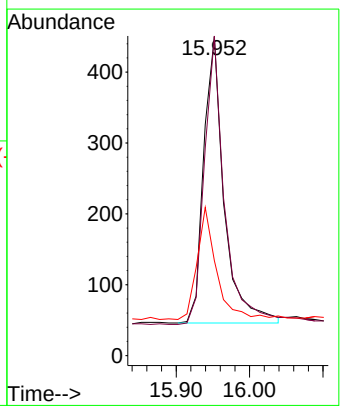


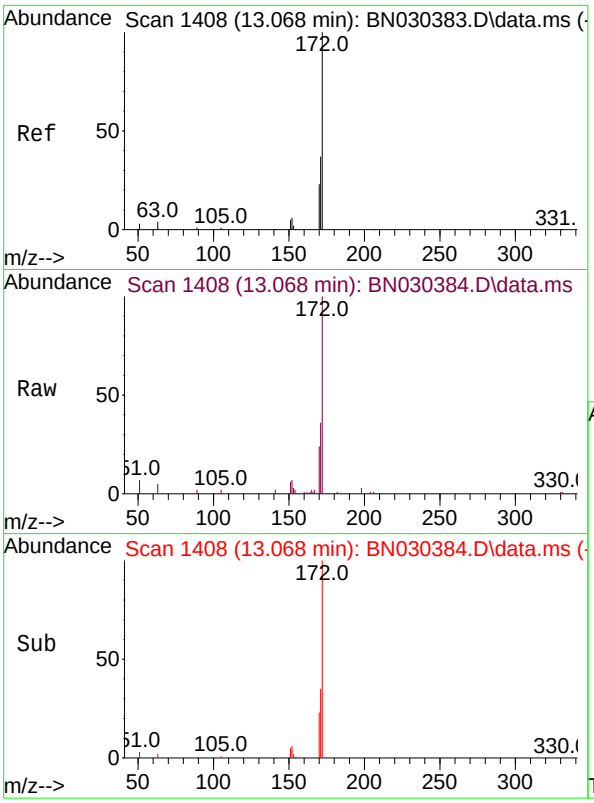


#14
2,4,6-Tribromophenol
Concen: 0.746 ng
RT: 15.952 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:330 Resp: 781

Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.2	115.8
141	37.8	31.4	47.2



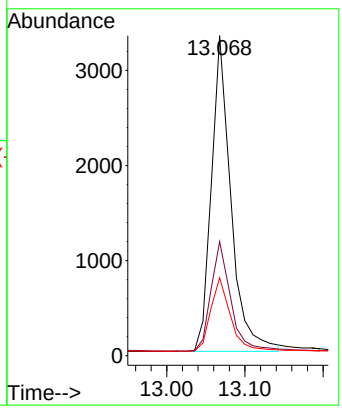


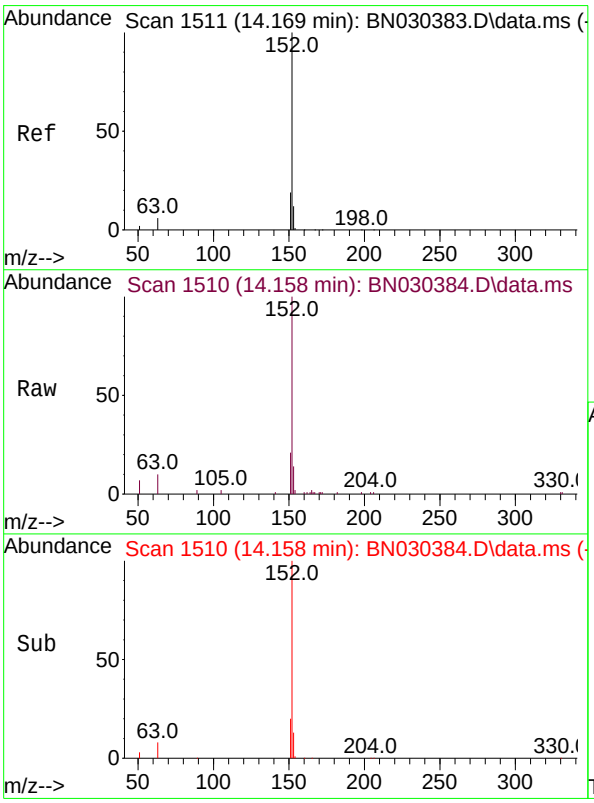
#15
2-Fluorobiphenyl
Concen: 0.797 ng
RT: 13.068 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 5768

Ion	Ratio	Lower	Upper
172	100		
171	35.7	31.0	46.6
170	24.3	20.6	31.0

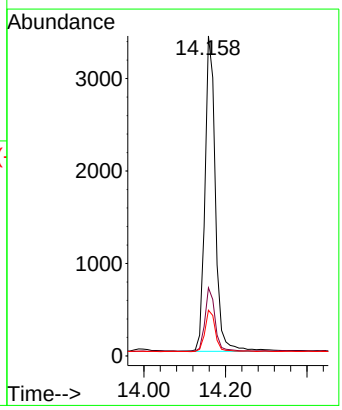


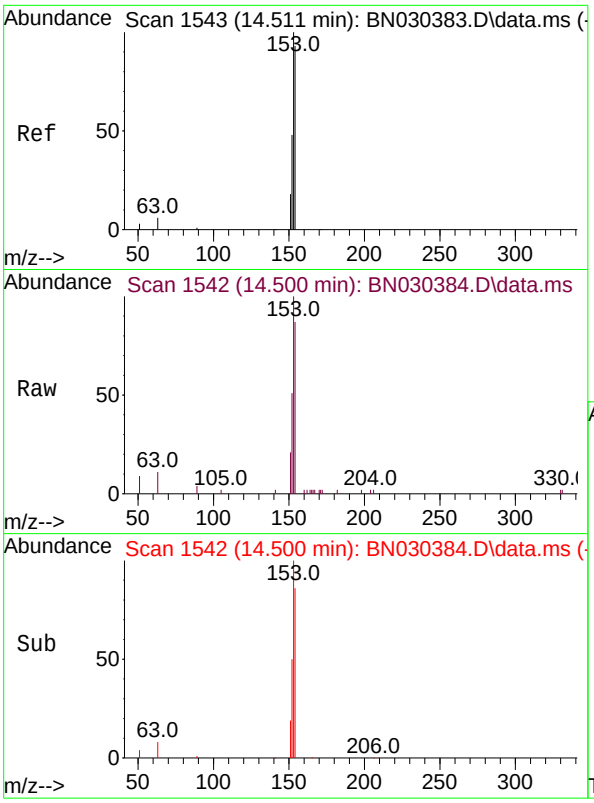


#16
Acenaphthylene
Concen: 0.776 ng
RT: 14.158 min Scan# 1510
Delta R.T. -0.011 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:152 Resp: 6098

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	13.0	10.4	15.6



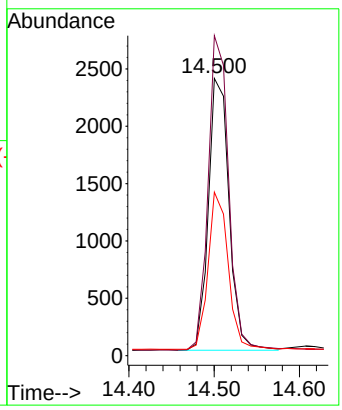


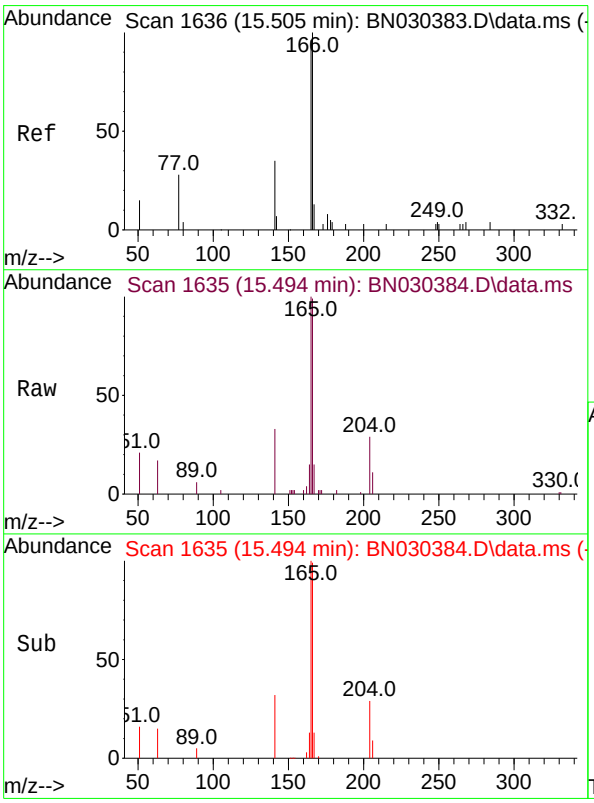
#17
Acenaphthene
Concen: 0.778 ng
RT: 14.500 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 4010

Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.6	137.4
152	56.3	45.9	68.9

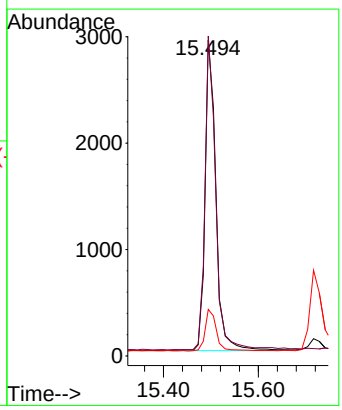


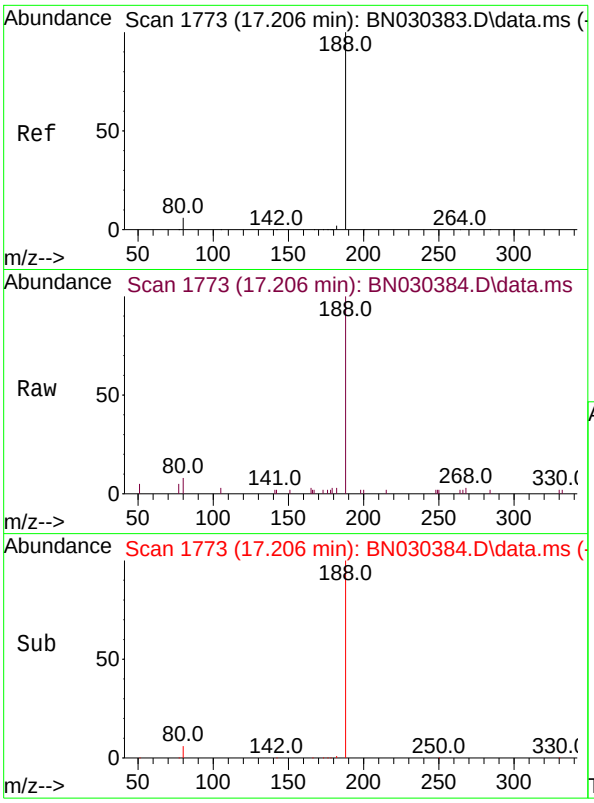


#18
Fluorene
Concen: 0.756 ng
RT: 15.494 min Scan# 1635
Delta R.T. -0.011 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:166 Resp: 4828

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.0	118.4
167	13.9	10.2	15.4



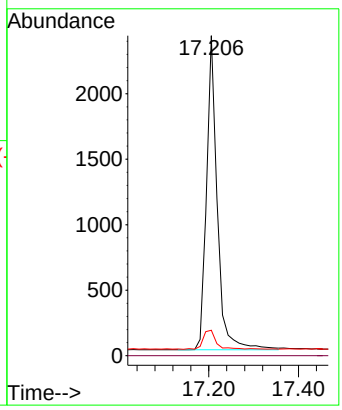


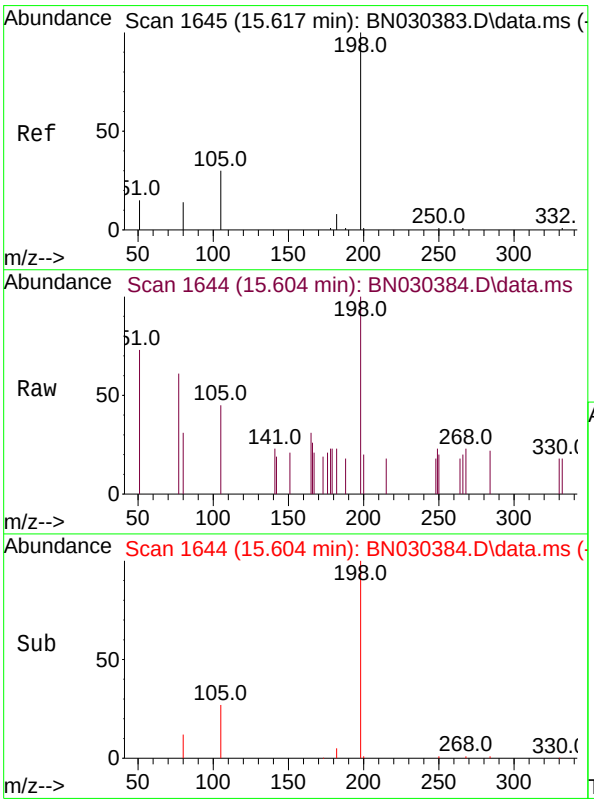
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 3980

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	6.4	9.6

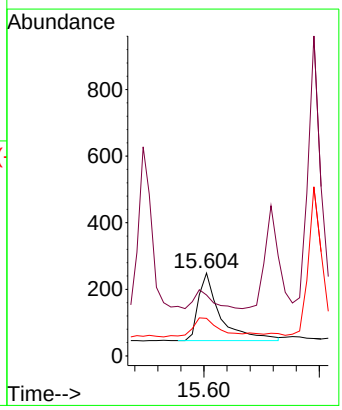


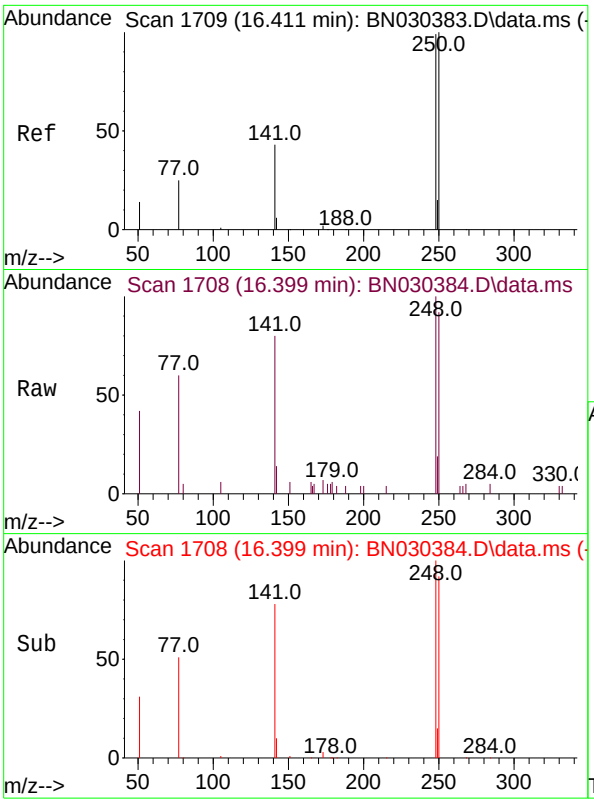


#20
4,6-Dinitro-2-methylphenol
Concen: 0.715 ng
RT: 15.604 min Scan# 1644
Delta R.T. -0.013 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:198 Resp: 536

Ion	Ratio	Lower	Upper
198	100		
51	73.5	110.8	166.2#
105	45.4	51.7	77.5#



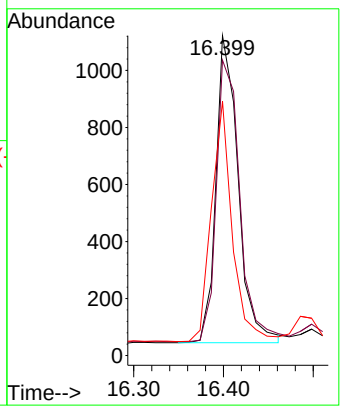


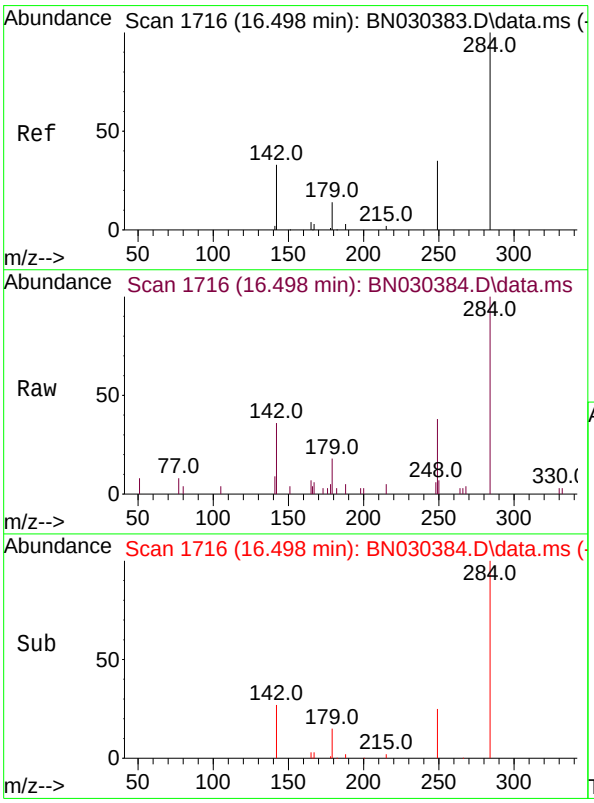
#21
4-Bromophenyl-phenylether
Concen: 0.790 ng
RT: 16.399 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 1856

Ion	Ratio	Lower	Upper
248	100		
250	92.3	81.0	121.4
141	79.5	39.2	58.8#

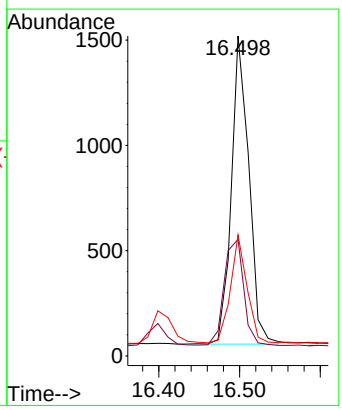


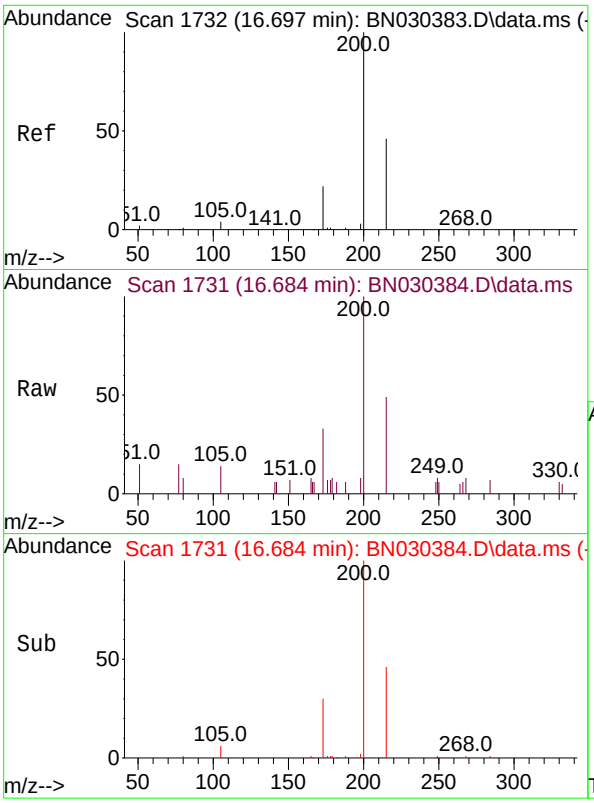


#22
Hexachlorobenzene
Concen: 0.784 ng
RT: 16.498 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:284 Resp: 2200

Ion	Ratio	Lower	Upper
284	100		
142	38.5	29.7	44.5
249	33.0	27.2	40.8



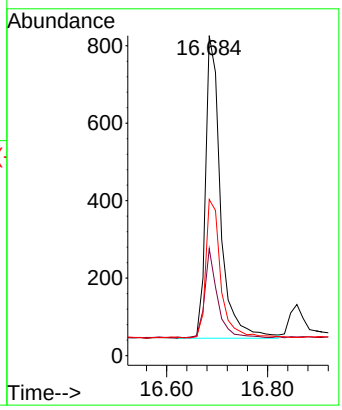


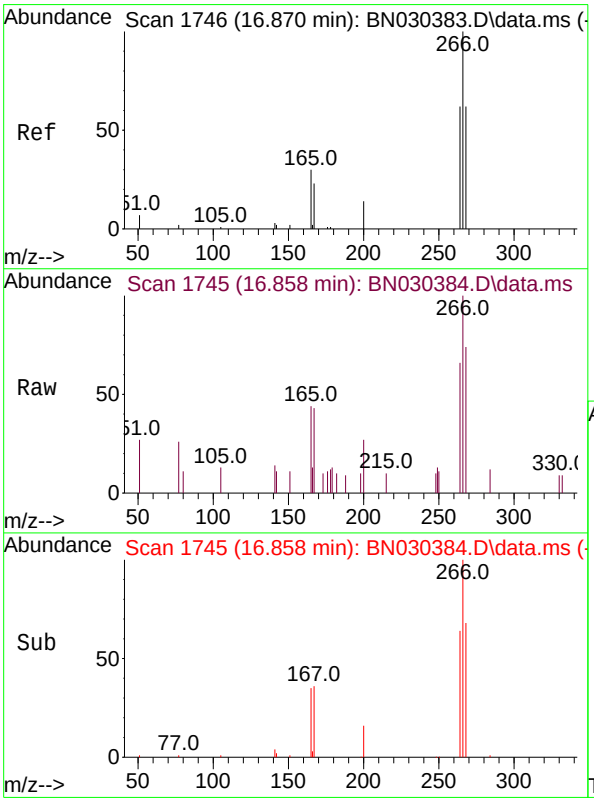
#23
Atrazine
Concen: 0.761 ng
RT: 16.684 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 1609

Ion	Ratio	Lower	Upper
200	100		
173	33.4	23.5	35.3
215	48.8	41.3	61.9

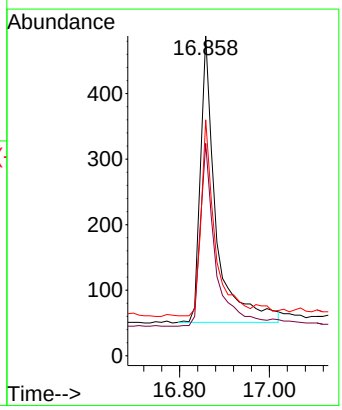


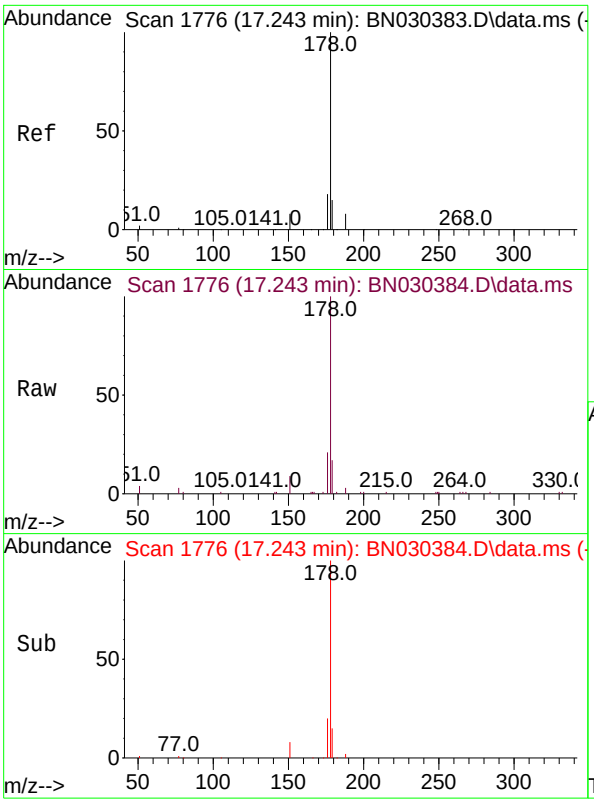


#24
Pentachlorophenol
Concen: 0.716 ng
RT: 16.858 min Scan# 1745
Delta R.T. -0.012 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:266 Resp: 1052

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.9	76.3
268	60.2	54.2	81.4



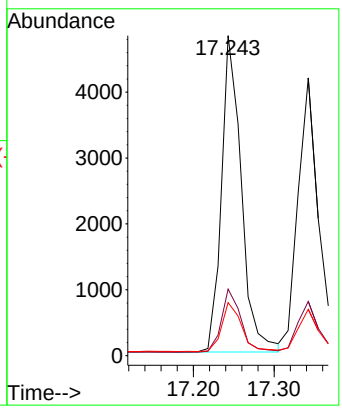


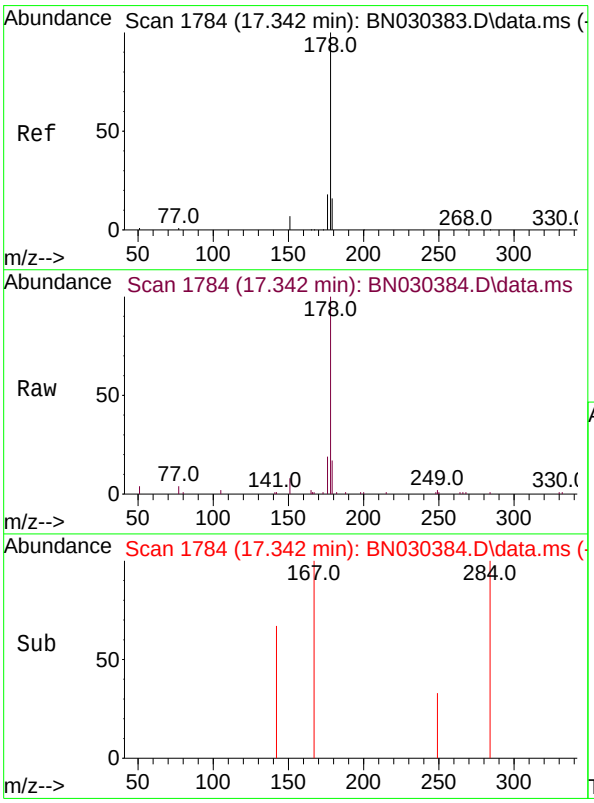
#25
Phenanthrene
Concen: 0.776 ng
RT: 17.243 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 8219

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.5	12.1	18.1

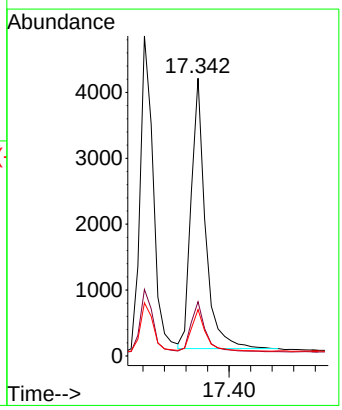


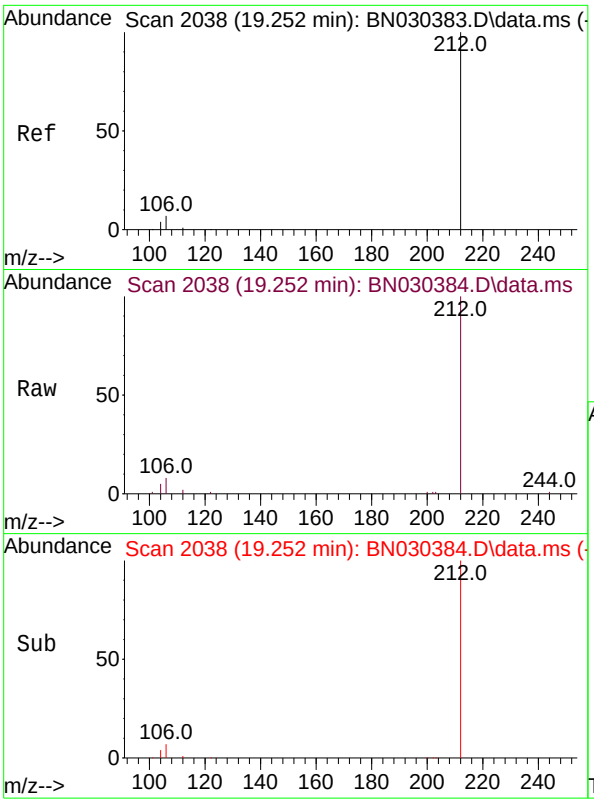


#26
Anthracene
Concen: 0.778 ng
RT: 17.342 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:178 Resp: 7548

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.6	11.8	17.6



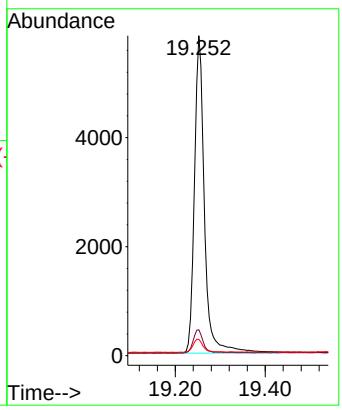


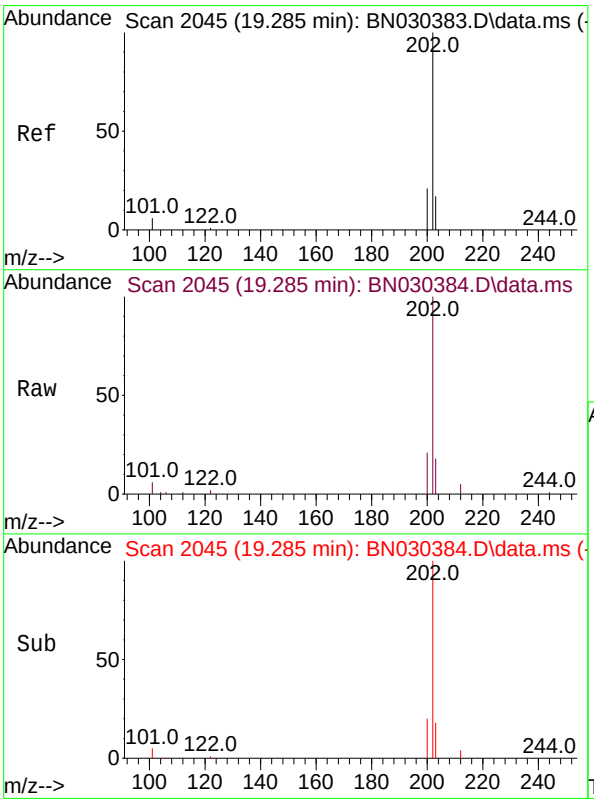
#27
Fluoranthene-d10
Concen: 0.785 ng
RT: 19.252 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 9059

Ion	Ratio	Lower	Upper
212	100		
106	7.4	6.0	9.0
104	4.1	3.4	5.0

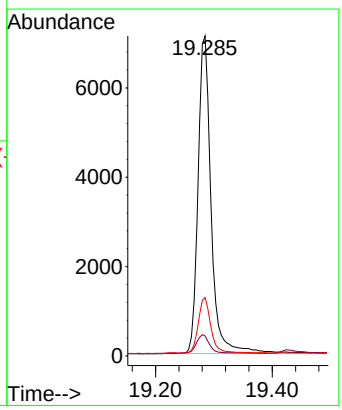


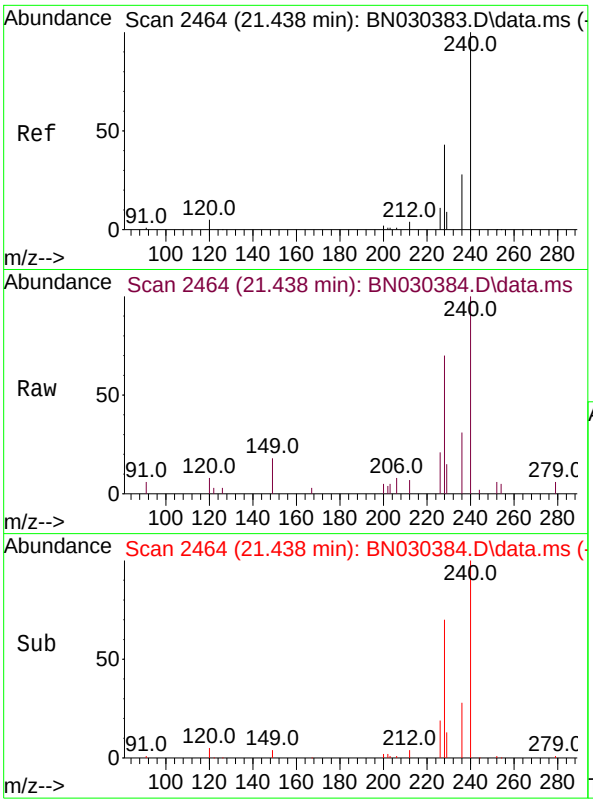


#28
Fluoranthene
Concen: 0.772 ng
RT: 19.285 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:202 Resp: 11030

Ion	Ratio	Lower	Upper
202	100		
101	6.3	4.6	6.8
203	17.0	13.4	20.0



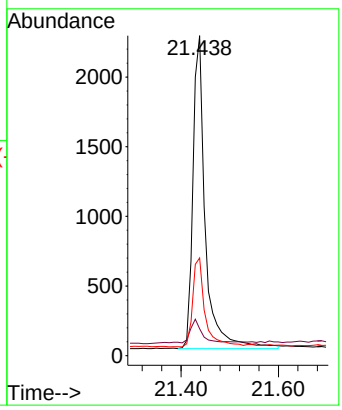


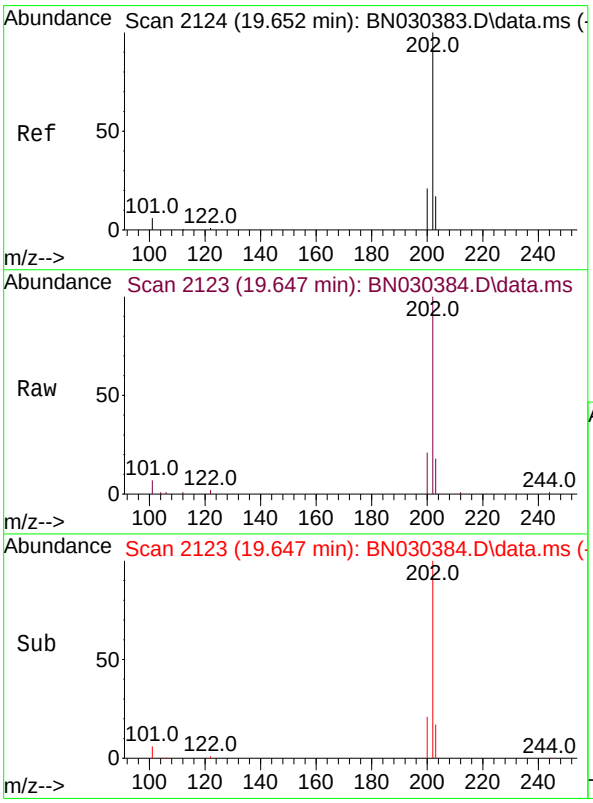
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.438 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 3968

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.7	10.1
236	30.6	23.8	35.8

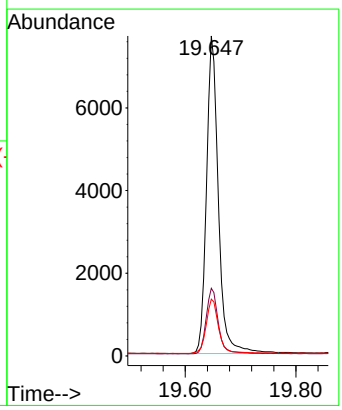


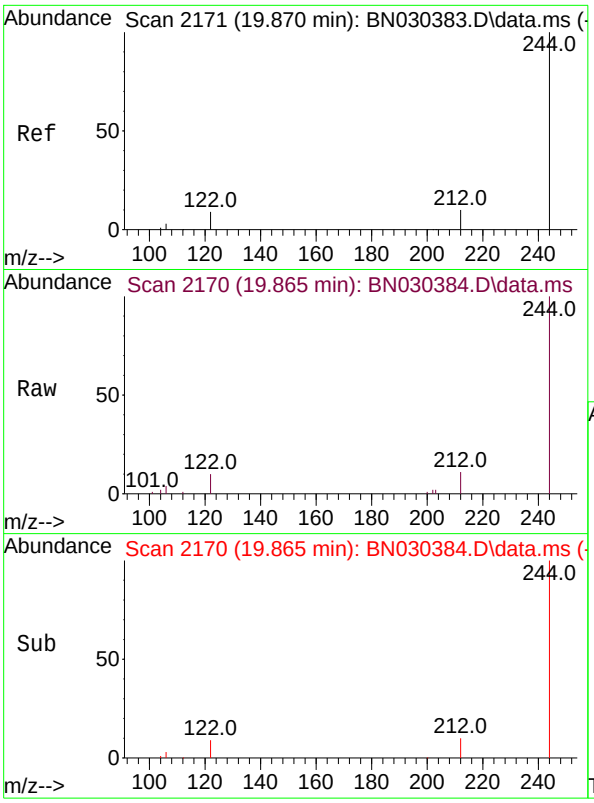


#30
Pyrene
Concen: 0.776 ng
RT: 19.647 min Scan# 2123
Delta R.T. -0.005 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:202 Resp: 11493

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	18.1	13.8	20.8



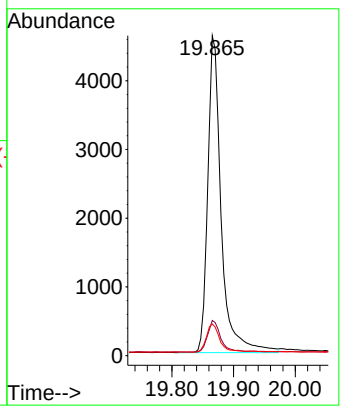


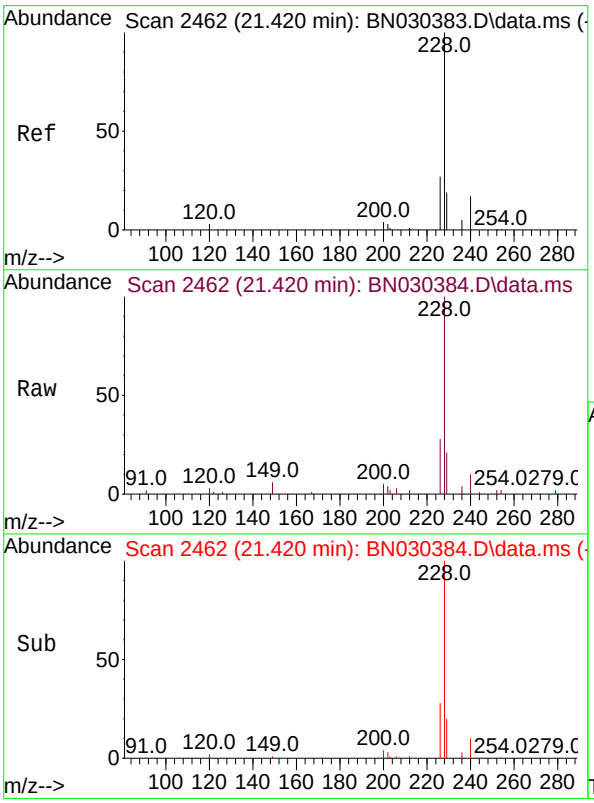
#31
Terphenyl-d14
Concen: 0.772 ng
RT: 19.865 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 6957

Ion	Ratio	Lower	Upper
244	100		
212	11.0	9.8	14.6
122	9.9	8.6	12.8

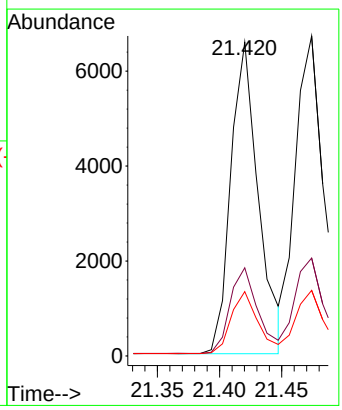


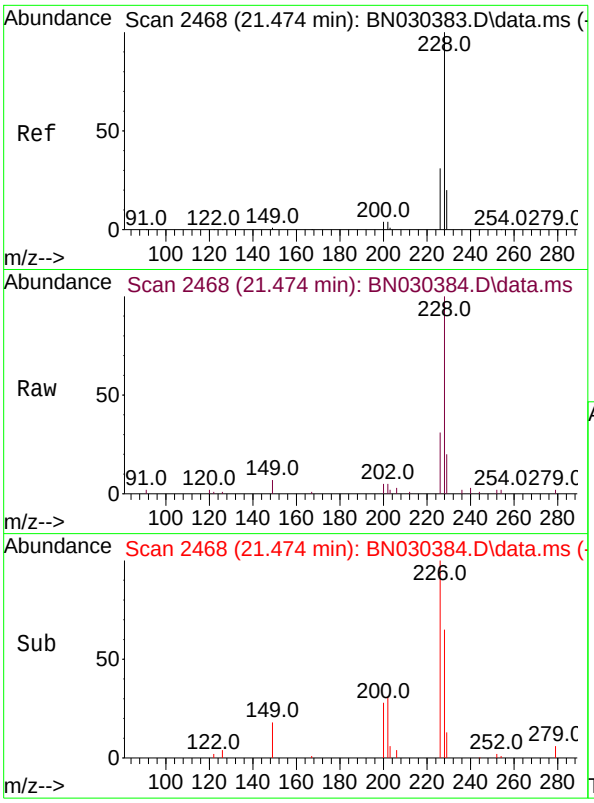


#32
Benzo(a)anthracene
Concen: 0.770 ng
RT: 21.420 min Scan# 2462
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:228 Resp: 10160

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	20.5	16.4	24.6



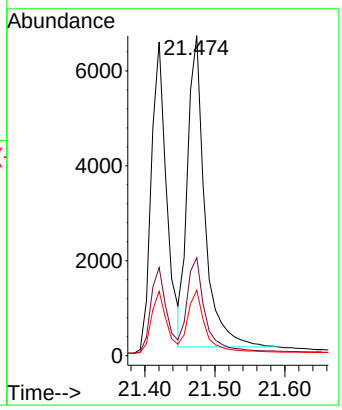


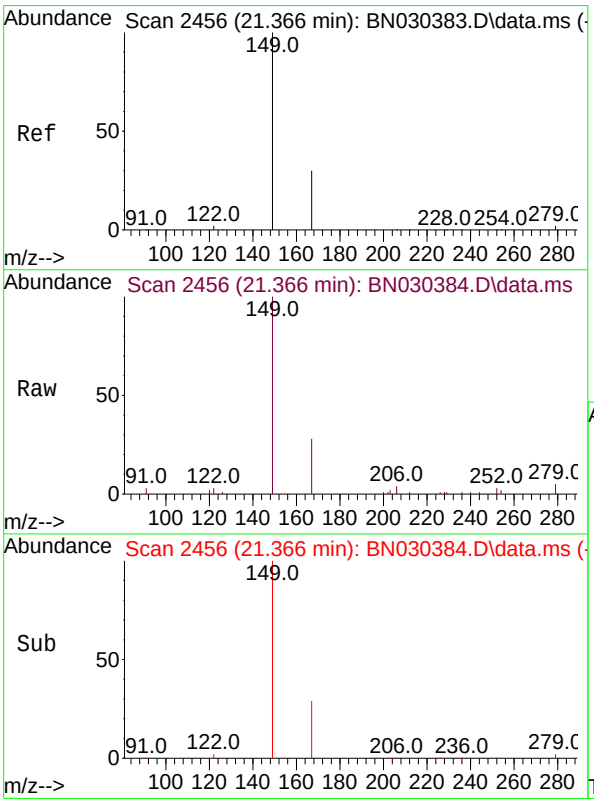
#33
Chrysene
Concen: 0.773 ng
RT: 21.474 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 11240

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	20.5	16.9	25.3

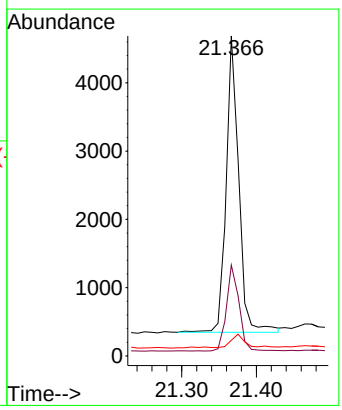


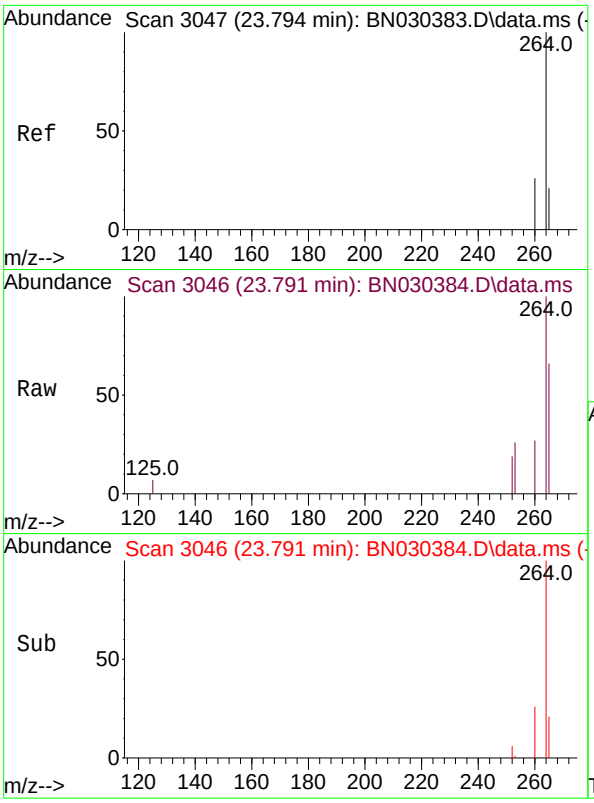


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.740 ng
RT: 21.366 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:149 Resp: 5096

Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.8	35.6
279	4.5	5.1	7.7#



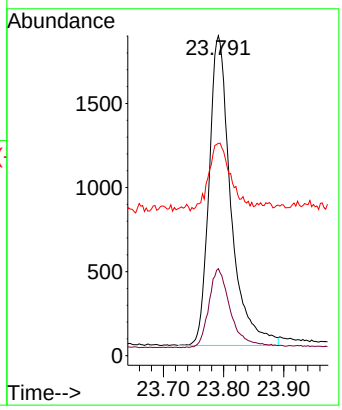


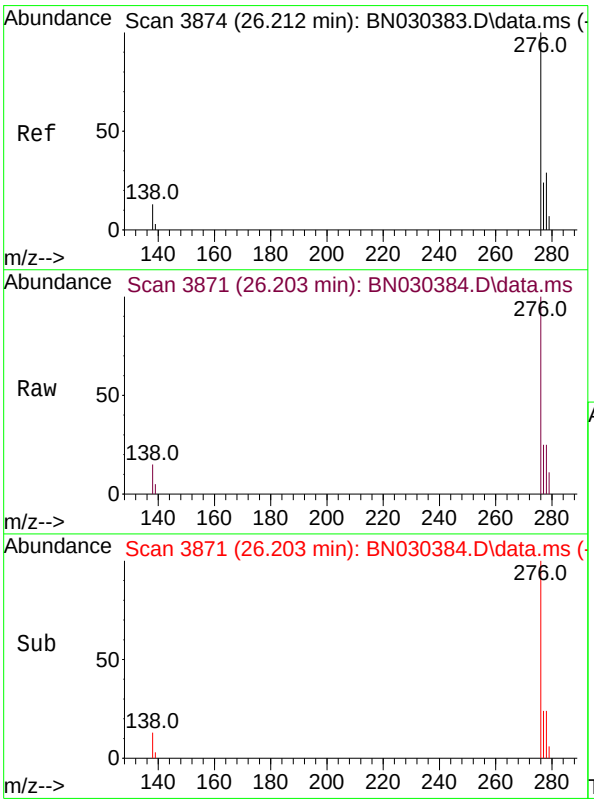
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.791 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 4620

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	66.4	50.6	75.8

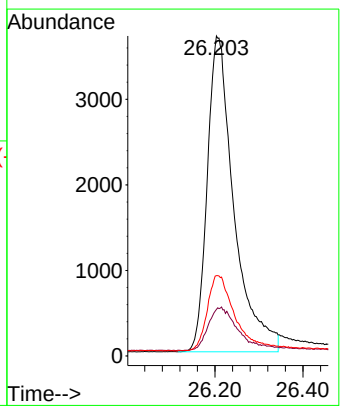


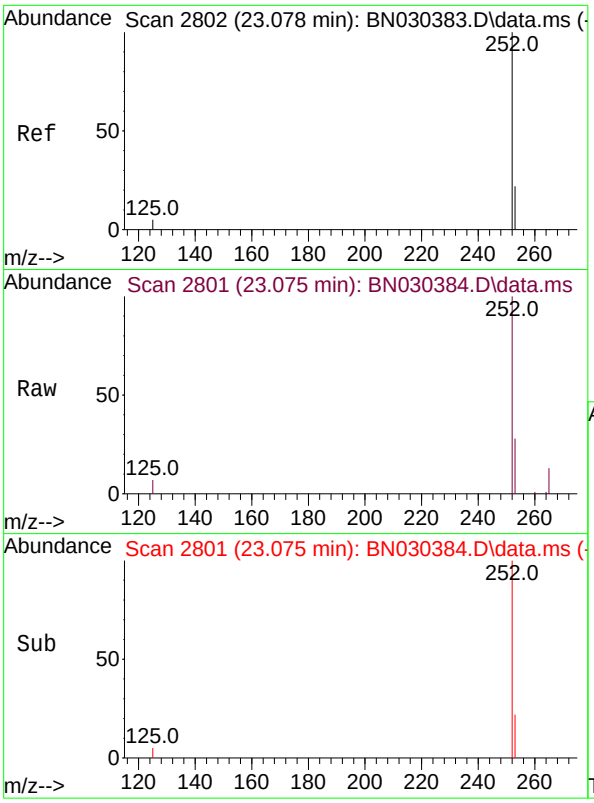


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.791 ng
RT: 26.203 min Scan# 3871
Delta R.T. -0.009 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:276 Resp: 15559

Ion	Ratio	Lower	Upper
276	100		
138	14.7	5.1	7.7#
277	24.8	18.4	27.6



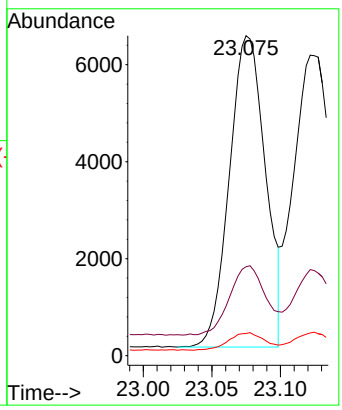


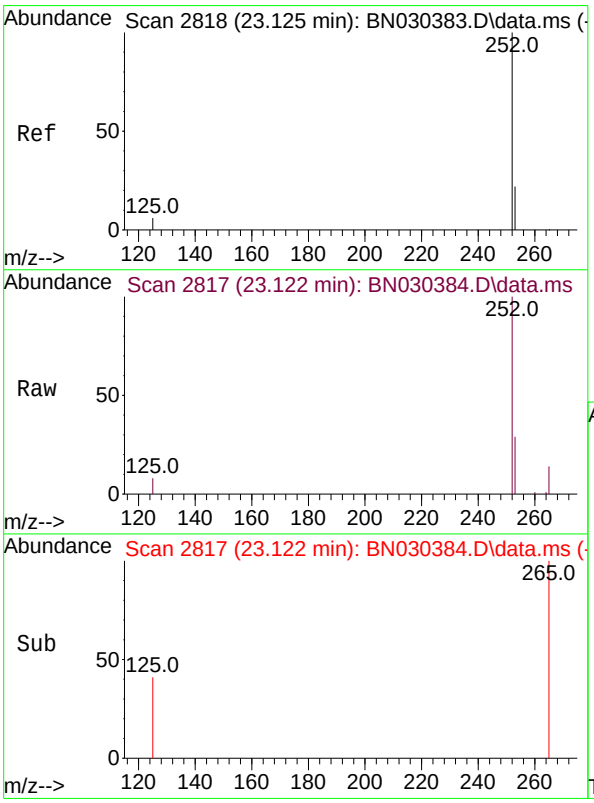
#37
Benzo(b)fluoranthene
Concen: 0.777 ng
RT: 23.075 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 11706

Ion	Ratio	Lower	Upper
252	100		
253	27.8	26.7	40.1
125	6.9	6.8	10.2

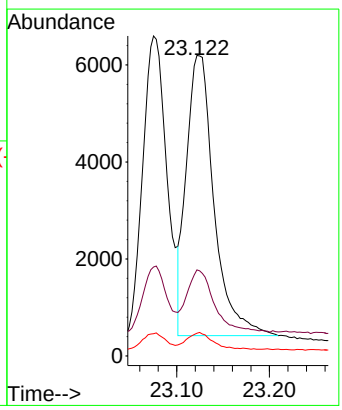


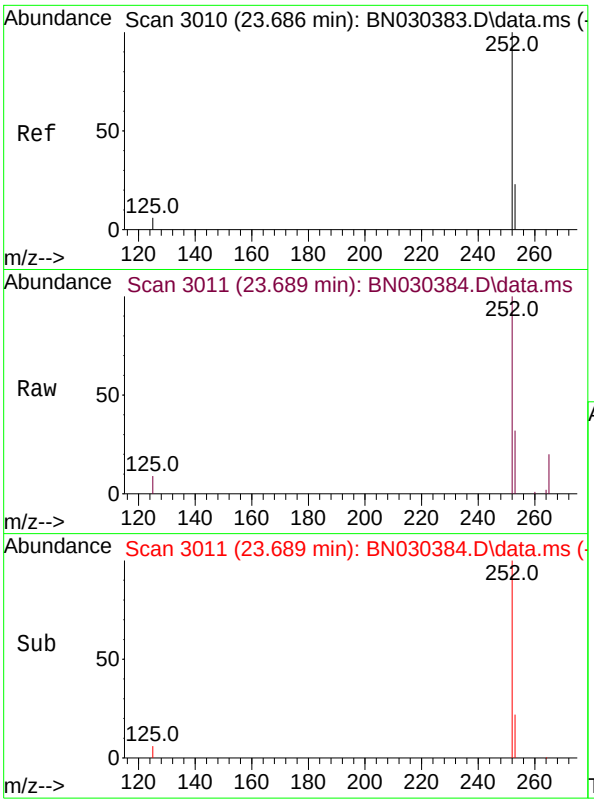


#38
Benzo(k)fluoranthene
Concen: 0.787 ng
RT: 23.122 min Scan# 2817
Delta R.T. -0.003 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:252 Resp: 11997

Ion	Ratio	Lower	Upper
252	100		
253	28.6	26.6	39.8
125	7.5	7.2	10.8



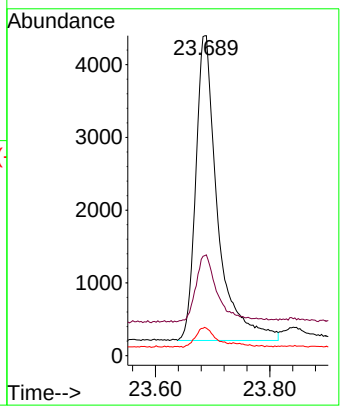


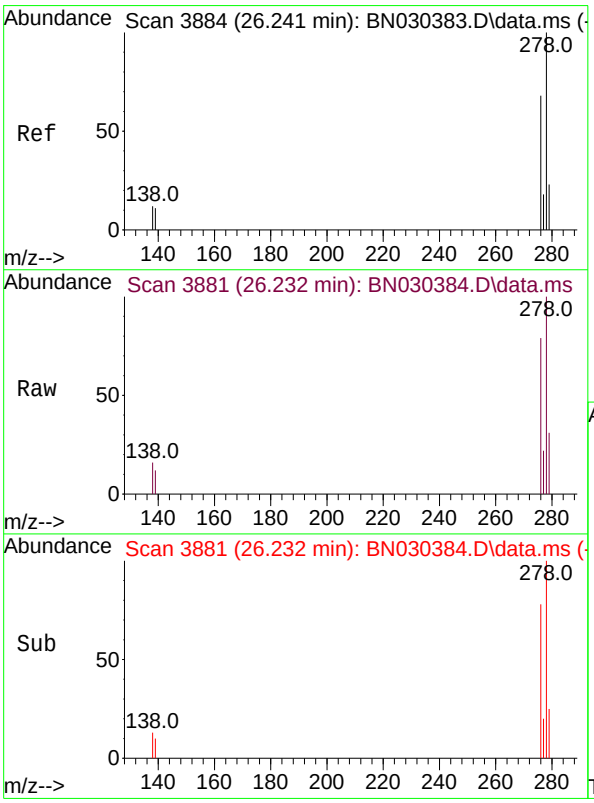
#39
Benzo(a)pyrene
Concen: 0.795 ng
RT: 23.689 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 11126

Ion	Ratio	Lower	Upper
252	100		
253	31.5	31.5	47.3#
125	8.6	8.6	12.8

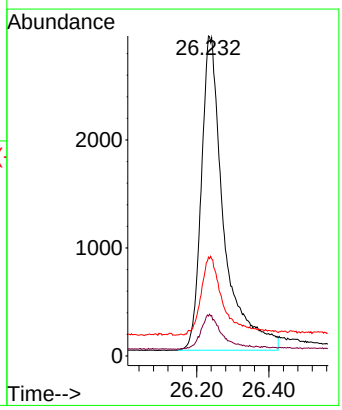


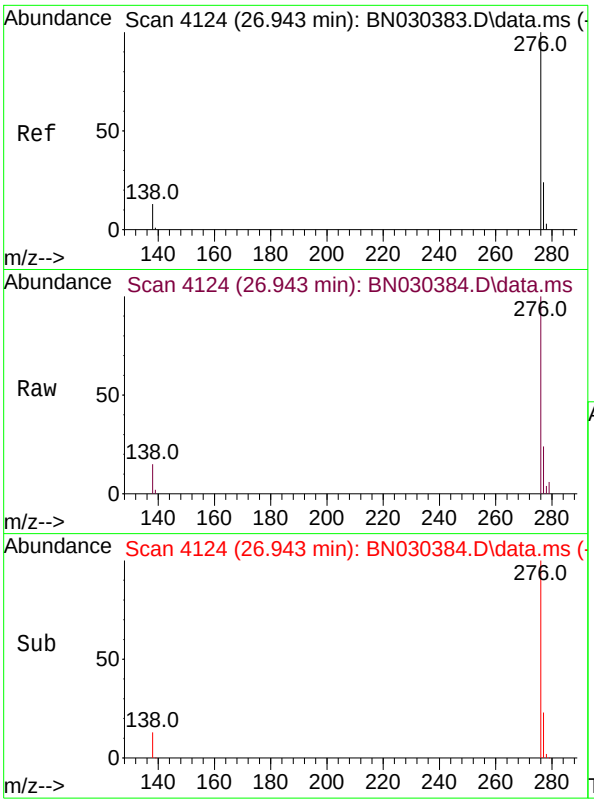


#40
Dibenzo(a,h)anthracene
Concen: 0.809 ng
RT: 26.232 min Scan# 3881
Delta R.T. -0.009 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Tgt Ion:278 Resp: 12593

Ion	Ratio	Lower	Upper
278	100		
139	12.5	11.8	17.6
279	30.9	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.804 ng
RT: 26.943 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN030384.D
Acq: 13 Mar 2024 16:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 14763

Ion	Ratio	Lower	Upper
276	100		
277	24.3	20.9	31.3
138	14.9	13.0	19.4