Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
Data File : BN031464.D
Acq On : 10 May 2024 15:38
Operator : MA/JU
Sample : PB160529BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Quant Time: May 10 16:03:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration

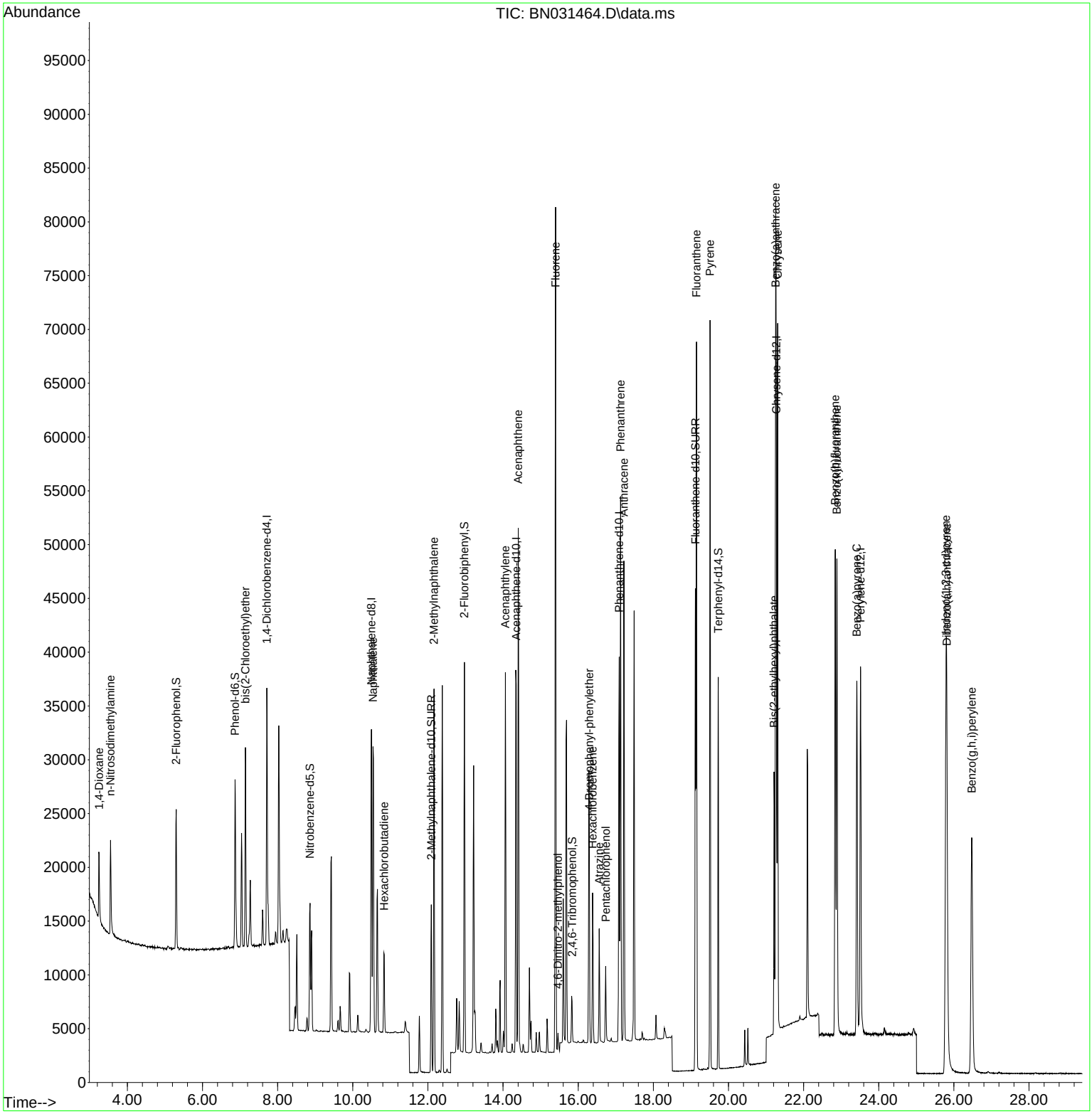
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	11511	0.400	ng	0.00
7) Naphthalene-d8	10.496	136	37297	0.400	ng	# 0.00
13) Acenaphthene-d10	14.349	164	22203	0.400	ng	0.00
19) Phenanthrene-d10	17.091	188	49511	0.400	ng	# 0.00
29) Chrysene-d12	21.274	240	43435	0.400	ng	# 0.00
35) Perylene-d12	23.513	264	45669	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.299	112	10999	0.336	ng	0.00
5) Phenol-d6	6.866	99	14948	0.339	ng	0.00
8) Nitrobenzene-d5	8.862	82	9991	0.373	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	20905	0.348	ng	0.00
14) 2,4,6-Tribromophenol	15.837	330	2743	0.326	ng	0.00
15) 2-Fluorobiphenyl	12.970	172	30952	0.362	ng	-0.01
27) Fluoranthene-d10	19.119	212	46541	0.339	ng	0.00
31) Terphenyl-d14	19.727	244	34808	0.328	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	4878	0.344	ng	# 88
3) n-Nitrosodimethylamine	3.551	42	4970	0.355	ng	# 94
6) bis(2-Chloroethyl)ether	7.141	93	13650	0.356	ng	99
9) Naphthalene	10.539	128	37033	0.357	ng	97
10) Hexachlorobutadiene	10.838	225	6476	0.356	ng	# 99
12) 2-Methylnaphthalene	12.160	142	24847	0.351	ng	99
16) Acenaphthylene	14.060	152	37649	0.337	ng	100
17) Acenaphthene	14.403	154	24473	0.351	ng	98
18) Fluorene	15.397	166	31842	0.349	ng	100
20) 4,6-Dinitro-2-methylph...	15.461	198	1267	0.313	ng	# 70
21) 4-Bromophenyl-phenylether	16.296	248	10256	0.354	ng	# 85
22) Hexachlorobenzene	16.383	284	11026	0.377	ng	99
23) Atrazine	16.557	200	7927	0.301	ng	# 93
24) Pentachlorophenol	16.731	266	3243	0.314	ng	97
25) Phenanthrene	17.128	178	49254	0.355	ng	100
26) Anthracene	17.215	178	45644	0.333	ng	100
28) Fluoranthene	19.147	202	59073	0.351	ng	100
30) Pyrene	19.509	202	61092	0.347	ng	100
32) Benzo(a)anthracene	21.256	228	55511	0.331	ng	99
33) Chrysene	21.310	228	54562	0.342	ng	99
34) Bis(2-ethylhexyl)phtha...	21.211	149	23785	0.242	ng	99
36) Indeno(1,2,3-cd)pyrene	25.788	276	56590	0.311	ng	99
37) Benzo(b)fluoranthene	22.841	252	57483	0.351	ng	100
38) Benzo(k)fluoranthene	22.885	252	56345	0.363	ng	100
39) Benzo(a)pyrene	23.414	252	48207	0.338	ng	100
40) Dibenzo(a,h)anthracene	25.811	278	45757	0.317	ng	98
41) Benzo(g,h,i)perylene	26.475	276	47651	0.307	ng	98

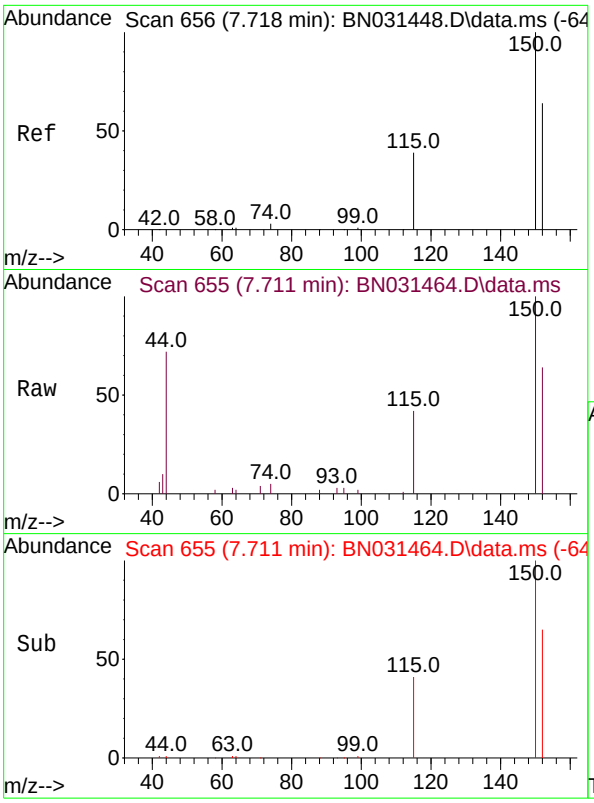
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
Data File : BN031464.D
Acq On : 10 May 2024 15:38
Operator : MA/JU
Sample : PB160529BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Quant Time: May 10 16:03:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration



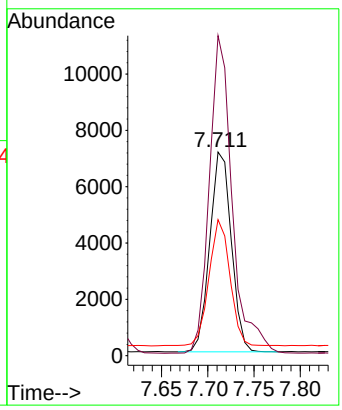


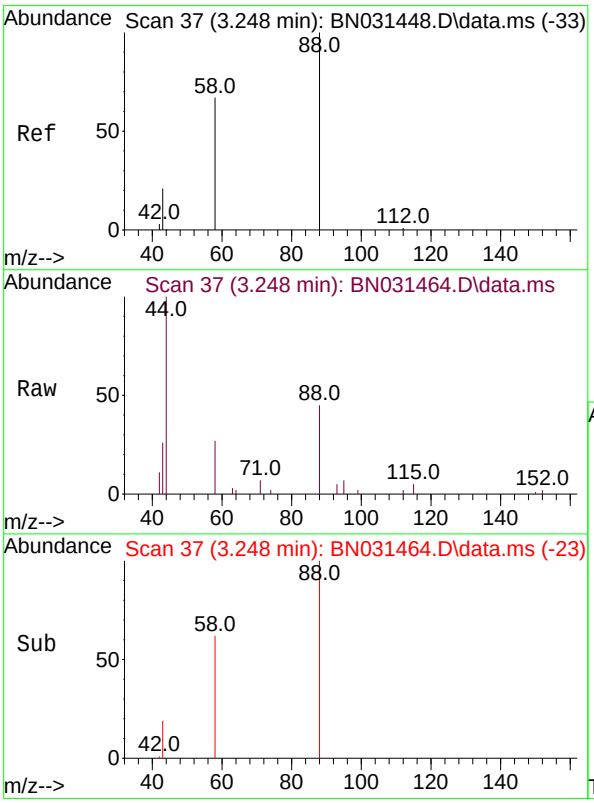
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.711 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:152 Resp: 11511

Ion	Ratio	Lower	Upper
152	100		
150	157.1	119.3	178.9
115	66.8	54.8	82.2

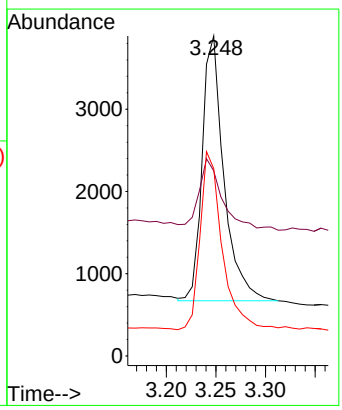


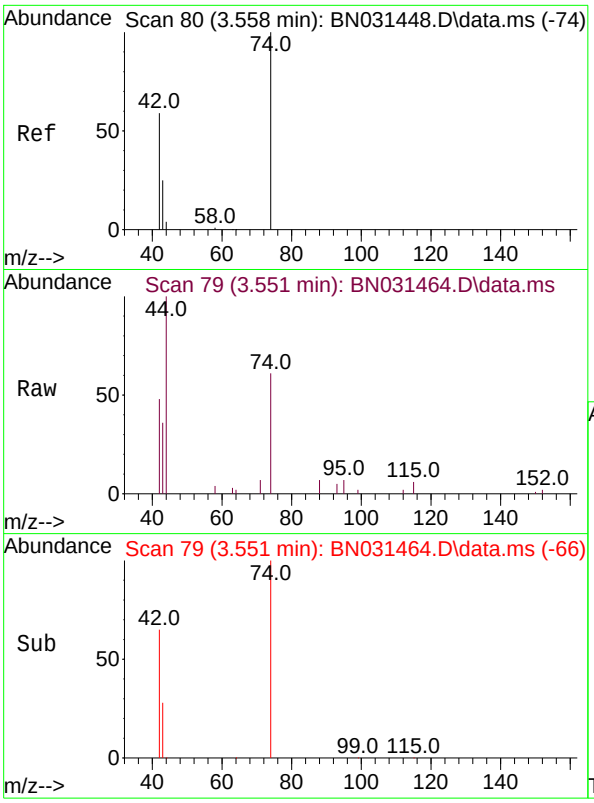


#2
1,4-Dioxane
Concen: 0.344 ng
RT: 3.248 min Scan# 37
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion: 88 Resp: 4878

Ion	Ratio	Lower	Upper
88	100		
43	29.8	39.0	58.6#
58	69.0	54.9	82.3



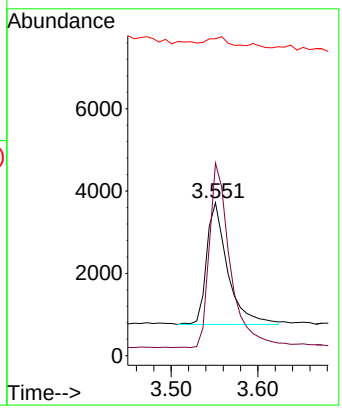


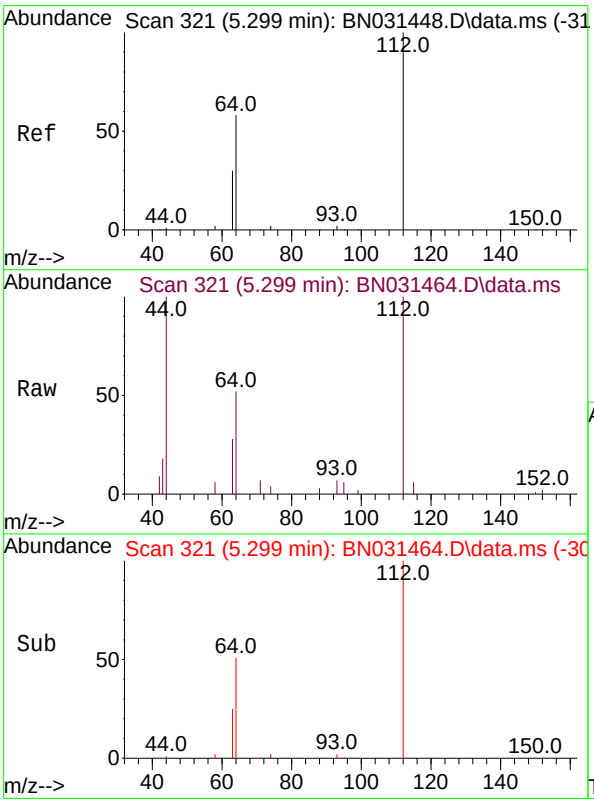
#3
n-Nitrosodimethylamine
Concen: 0.355 ng
RT: 3.551 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion: 42 Resp: 4970

Ion	Ratio	Lower	Upper
42	100		
74	150.4	126.4	189.6
44	6.5	6.9	10.3#

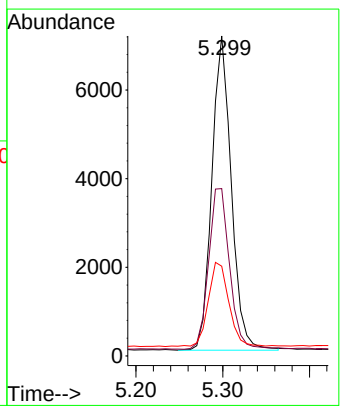


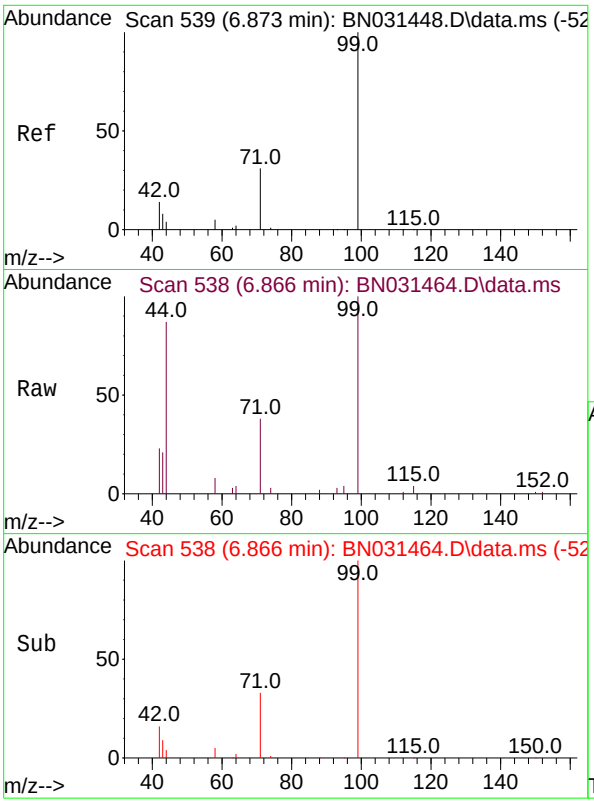


#4
2-Fluorophenol
Concen: 0.336 ng
RT: 5.299 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:112 Resp: 10999

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.0	66.0
63	28.6	22.2	33.4



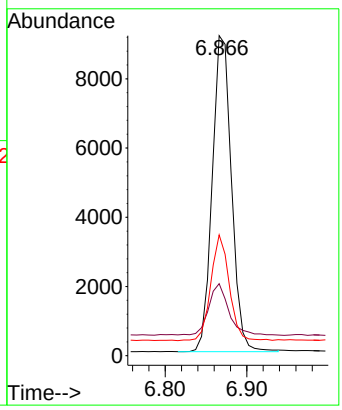


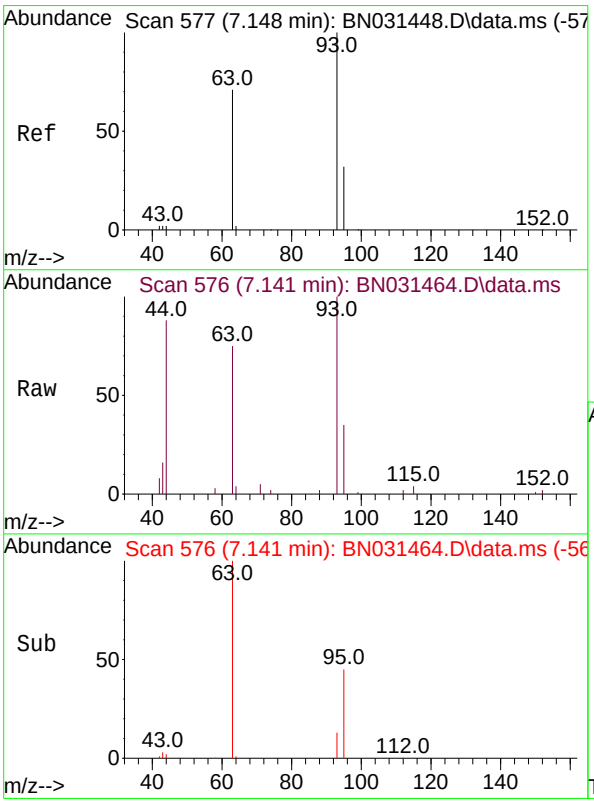
#5
Phenol-d6
Concen: 0.339 ng
RT: 6.866 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion: 99 Resp: 14948

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.5	20.3
71	31.9	26.1	39.1

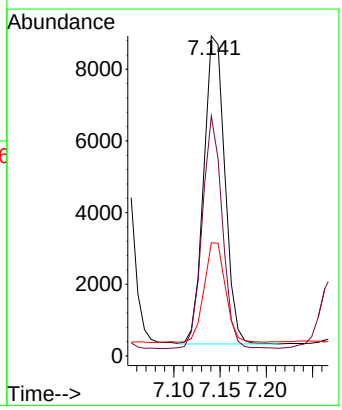


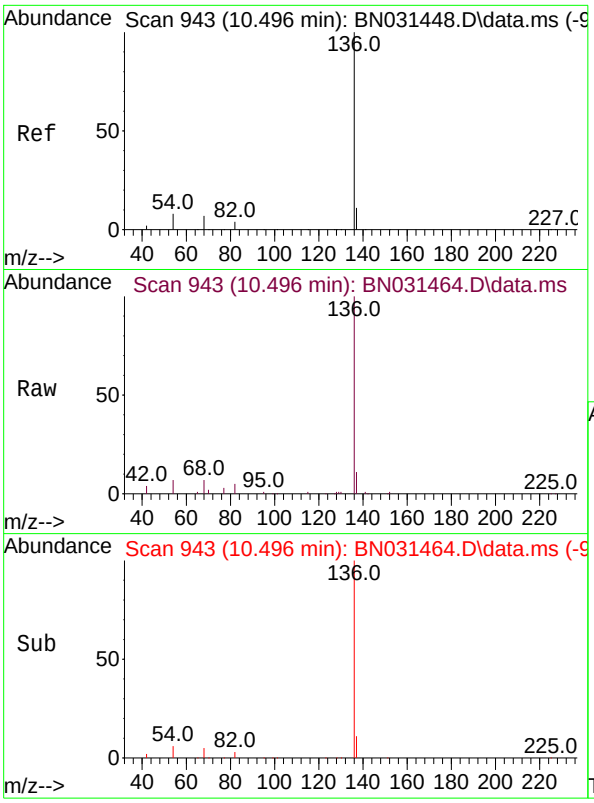


#6
bis(2-Chloroethyl)ether
Concen: 0.356 ng
RT: 7.141 min Scan# 576
Delta R.T. -0.007 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion: 93 Resp: 13650

Ion	Ratio	Lower	Upper
93	100		
63	71.8	56.6	85.0
95	32.9	27.3	40.9



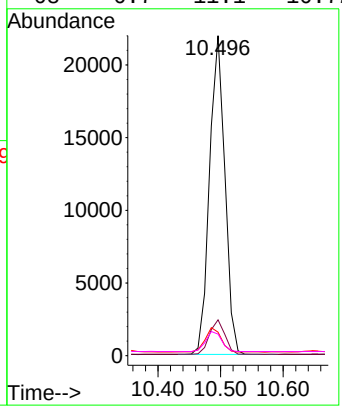


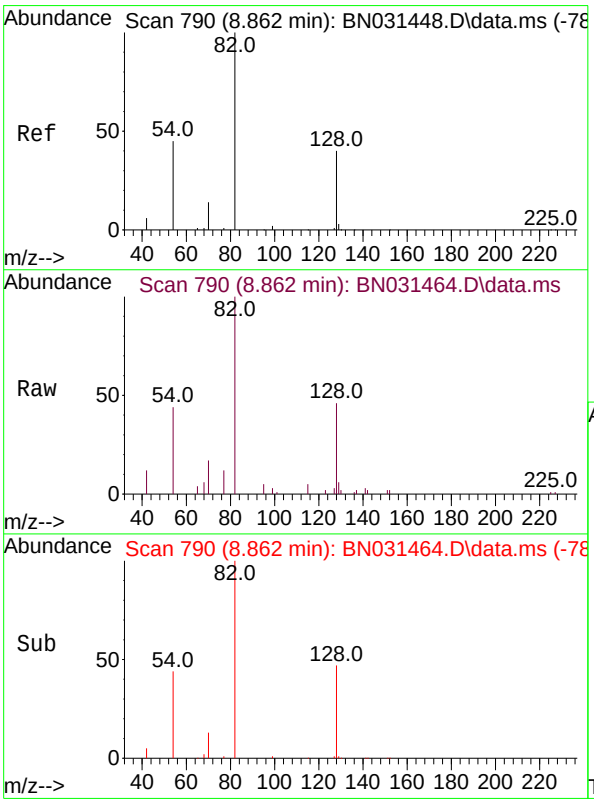
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:136 Resp: 37297

Ion	Ratio	Lower	Upper
136	100		
137	11.2	10.1	15.1
54	7.4	10.5	15.7#
68	6.7	11.1	16.7#

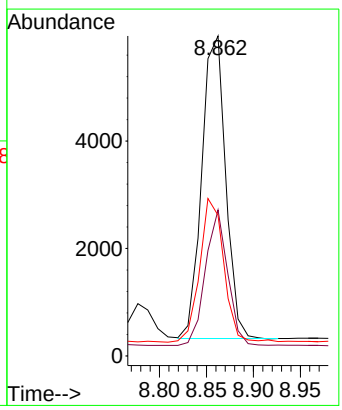


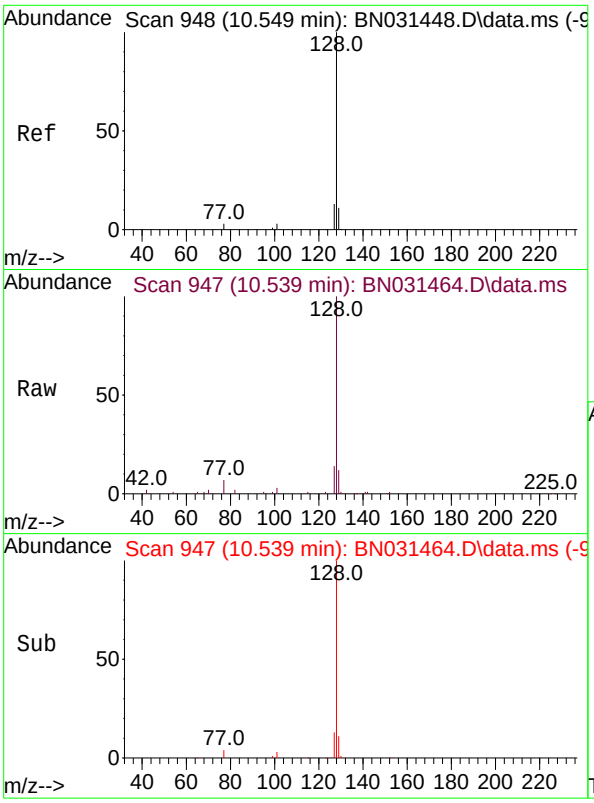


#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.862 min Scan# 790
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion: 82 Resp: 9991

Ion	Ratio	Lower	Upper
82	100		
128	45.7	29.0	43.6#
54	43.9	37.2	55.8



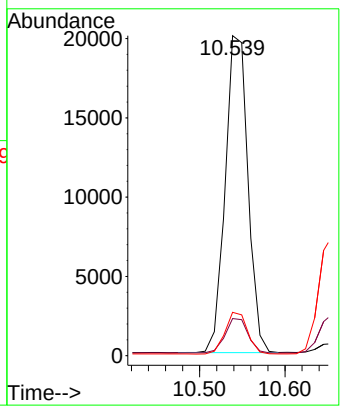


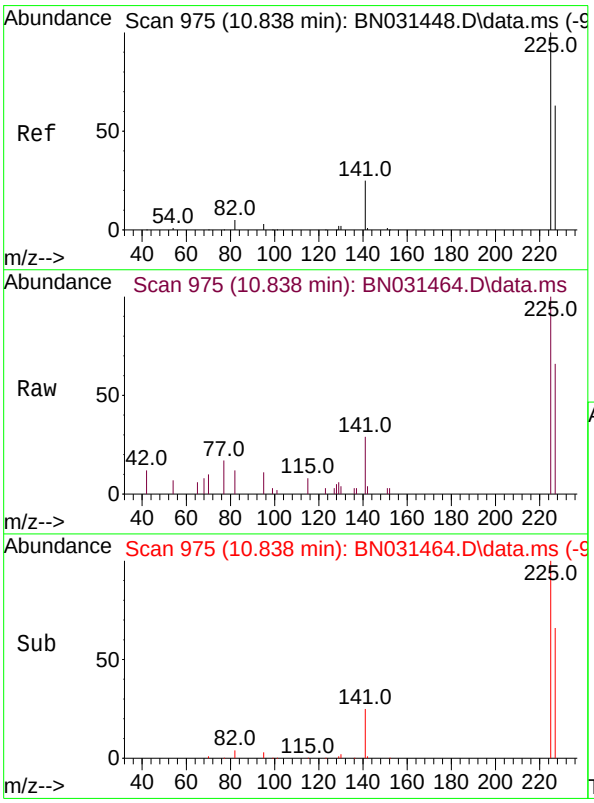
#9
Naphthalene
Concen: 0.357 ng
RT: 10.539 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:128 Resp: 37033

Ion	Ratio	Lower	Upper
128	100		
129	11.6	10.2	15.4
127	13.5	11.7	17.5

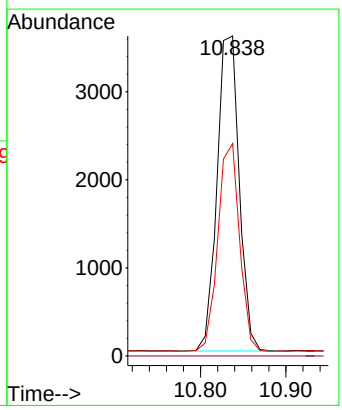


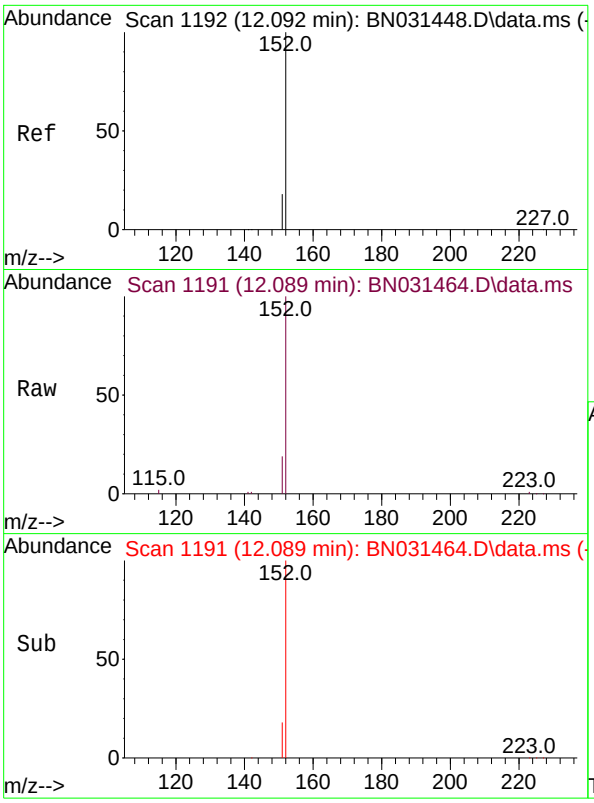


#10
Hexachlorobutadiene
Concen: 0.356 ng
RT: 10.838 min Scan# 975
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:225 Resp: 6476

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.7	76.1



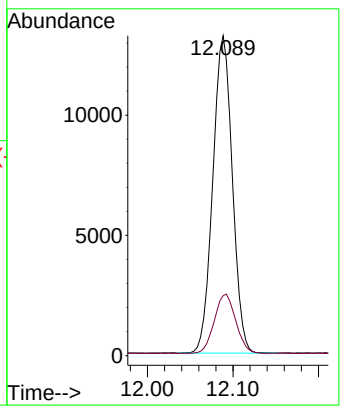


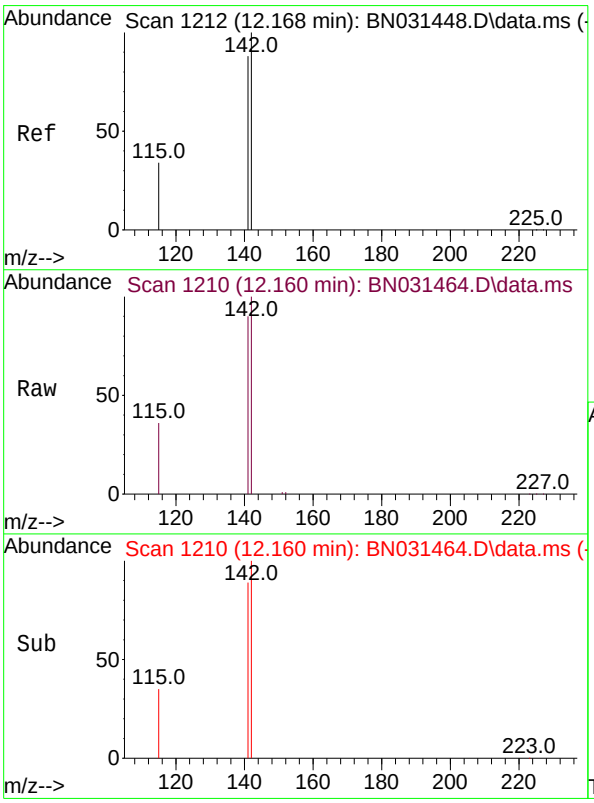
#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 12.089 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:152 Resp: 20905

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0

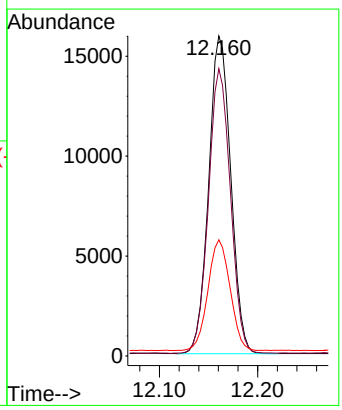


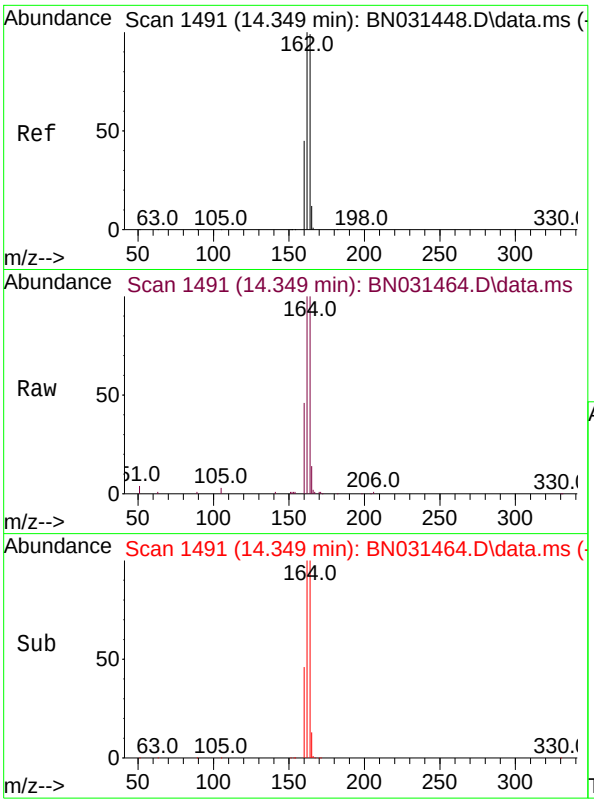


#12
2-Methylnaphthalene
Concen: 0.351 ng
RT: 12.160 min Scan# 1210
Delta R.T. -0.008 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:142 Resp: 24847

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.6
115	36.3	30.2	45.2



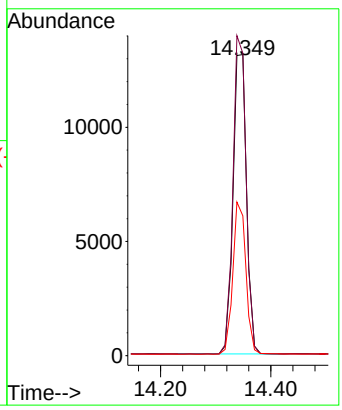


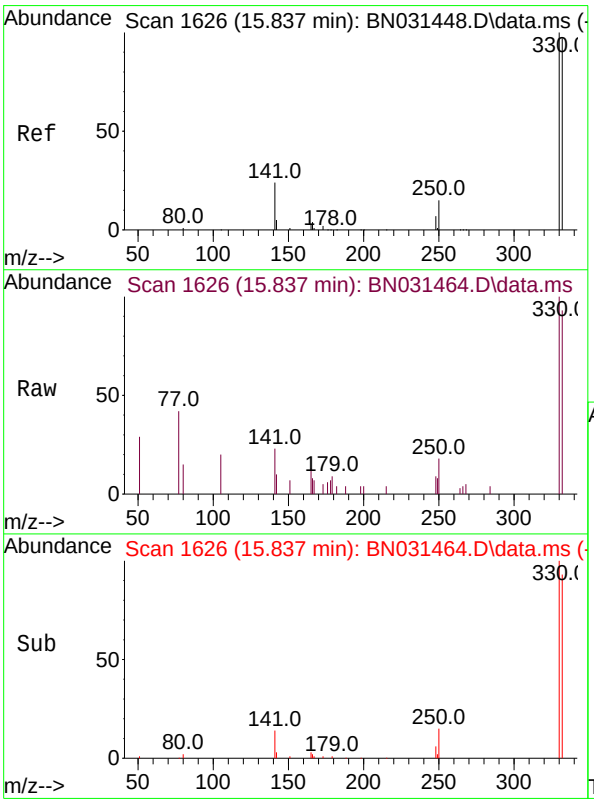
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.349 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:164 Resp: 22203

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.2	121.8
160	46.4	37.0	55.6

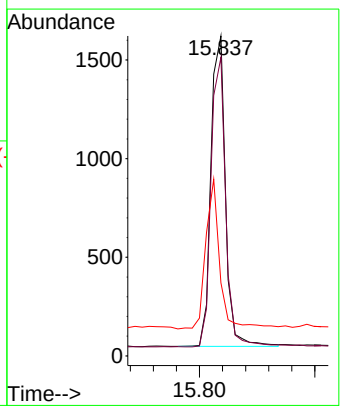


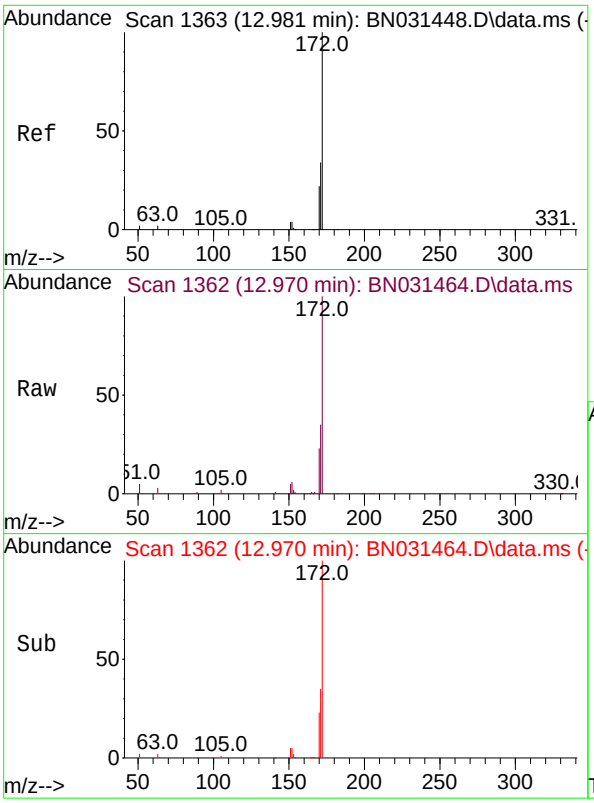


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.837 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:330 Resp: 2743

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.6	114.8
141	46.7	37.0	55.4



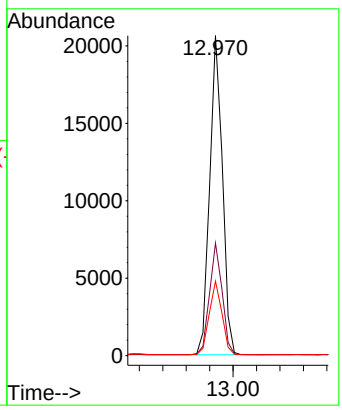


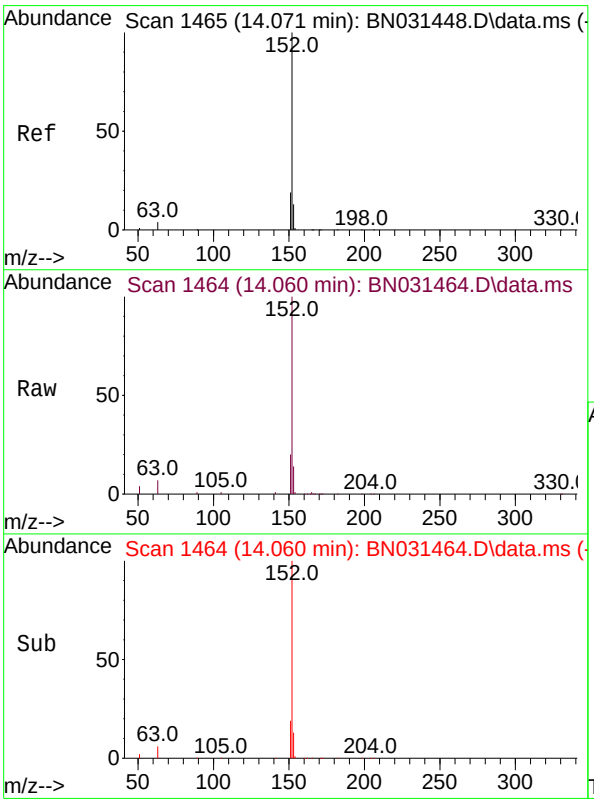
#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:172 Resp: 30952

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.3	18.3	27.5

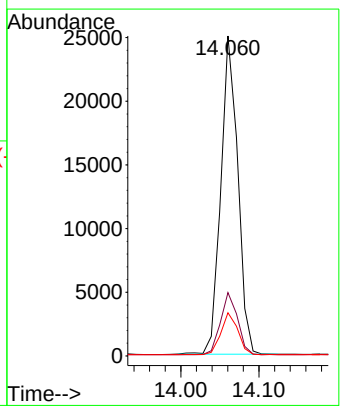


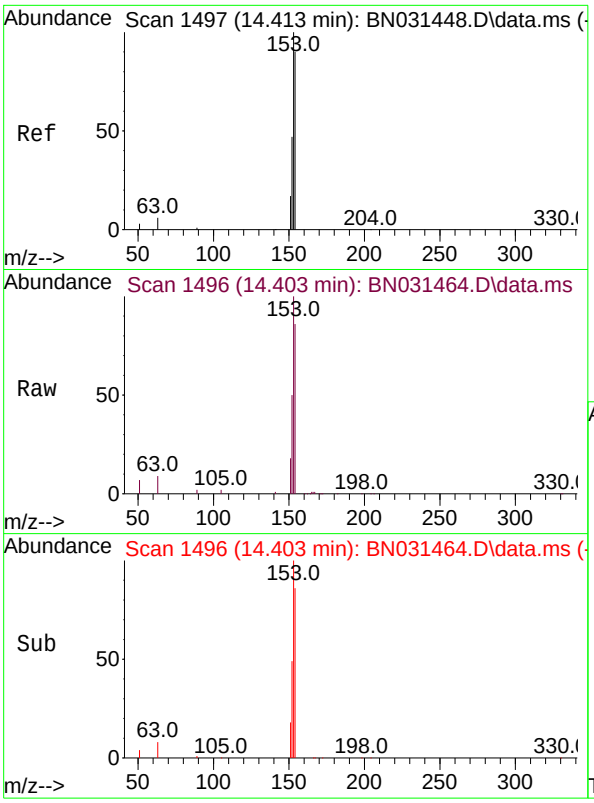


#16
Acenaphthylene
Concen: 0.337 ng
RT: 14.060 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:152 Resp: 37649

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.1	10.5	15.7



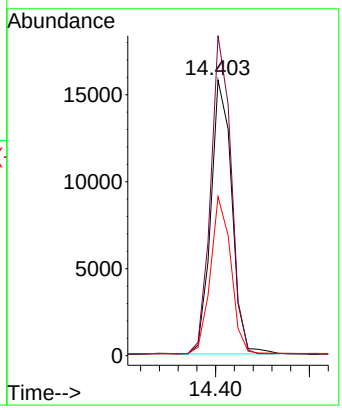


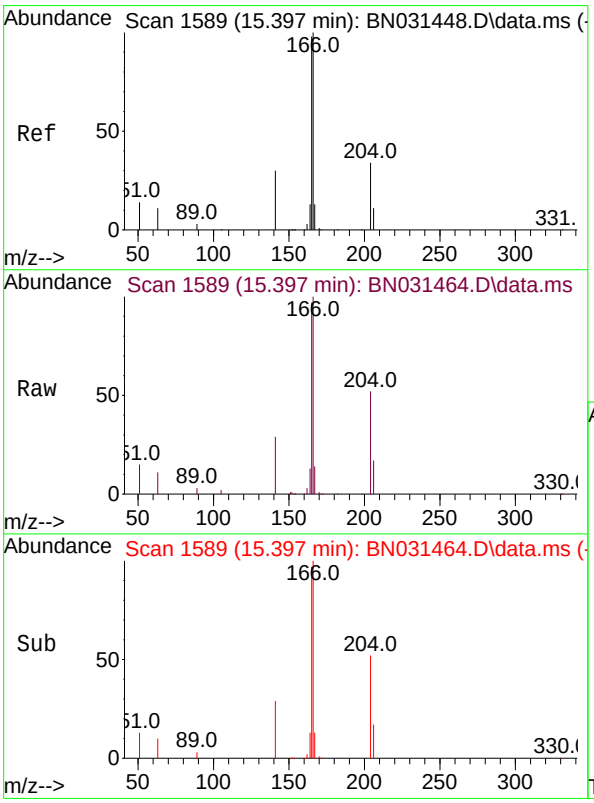
#17
Acenaphthene
Concen: 0.351 ng
RT: 14.403 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:154 Resp: 24473

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.1	133.7
152	55.6	42.6	64.0

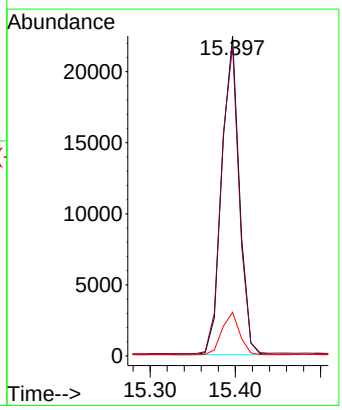


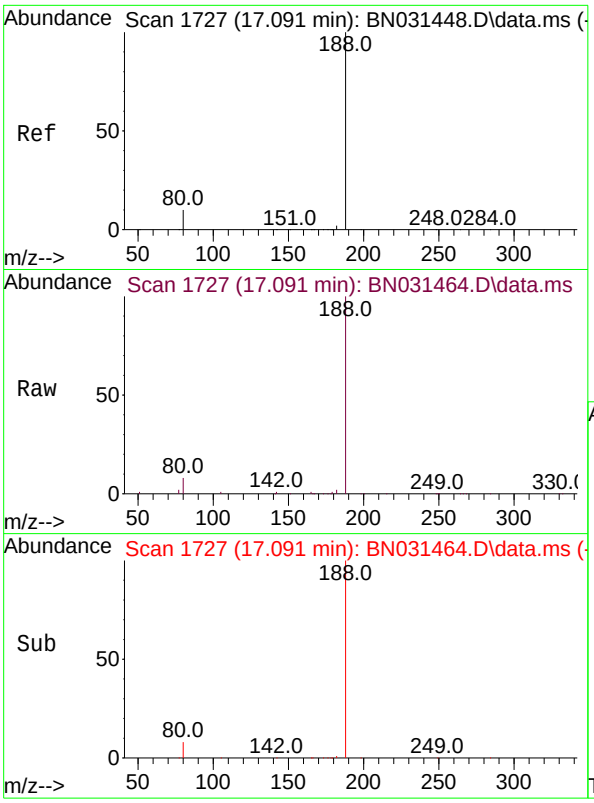


#18
Fluorene
Concen: 0.349 ng
RT: 15.397 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:166 Resp: 31842

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.2
167	13.4	10.8	16.2



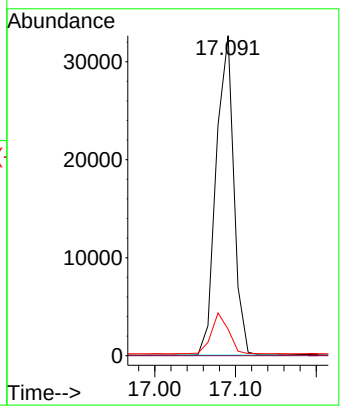


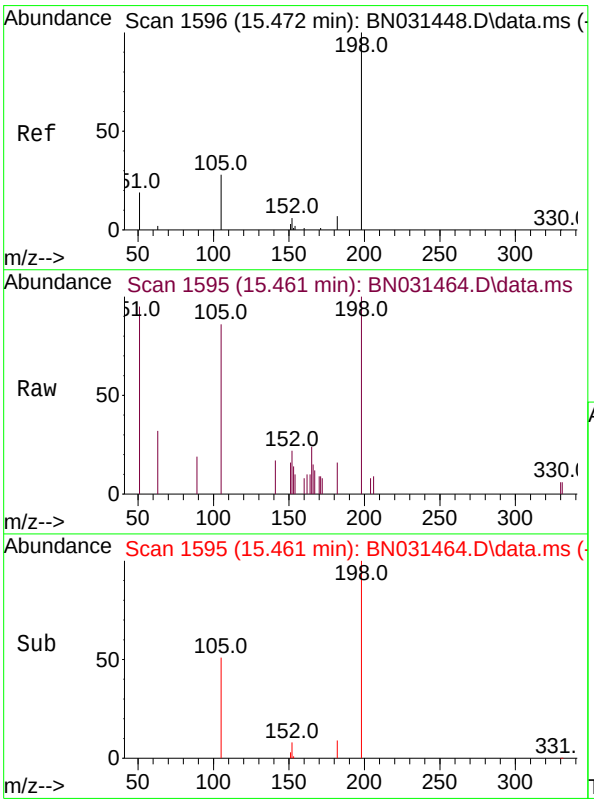
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.091 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:188 Resp: 49511

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	9.6	14.4#

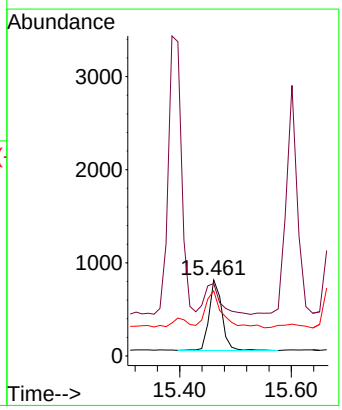


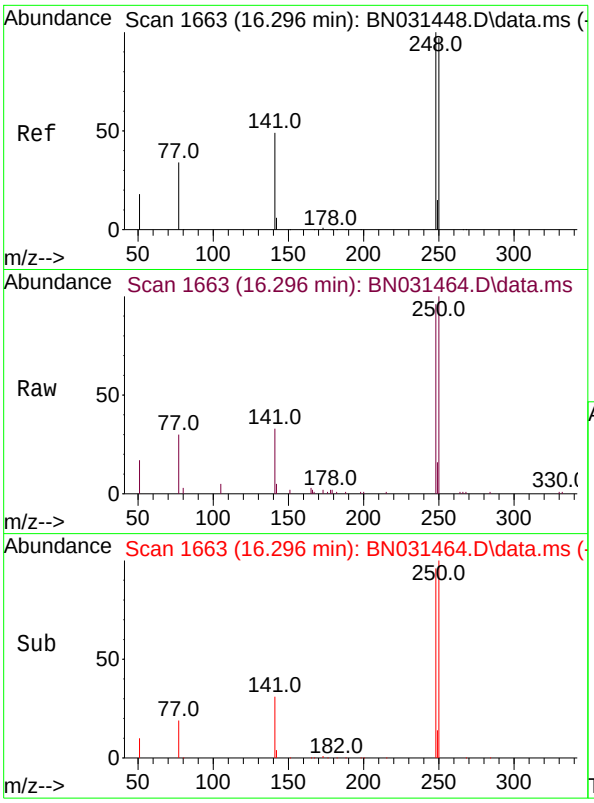


#20
4,6-Dinitro-2-methylphenol
Concen: 0.313 ng
RT: 15.461 min Scan# 1595
Delta R.T. -0.011 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:198 Resp: 1267

Ion	Ratio	Lower	Upper
198	100		
51	95.2	78.3	117.5
105	85.6	117.2	175.8#



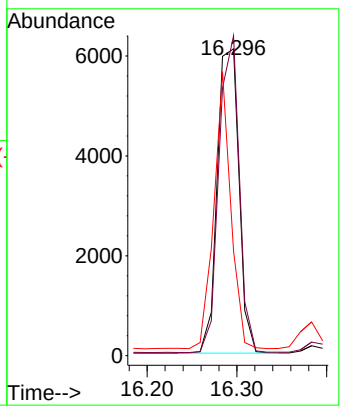


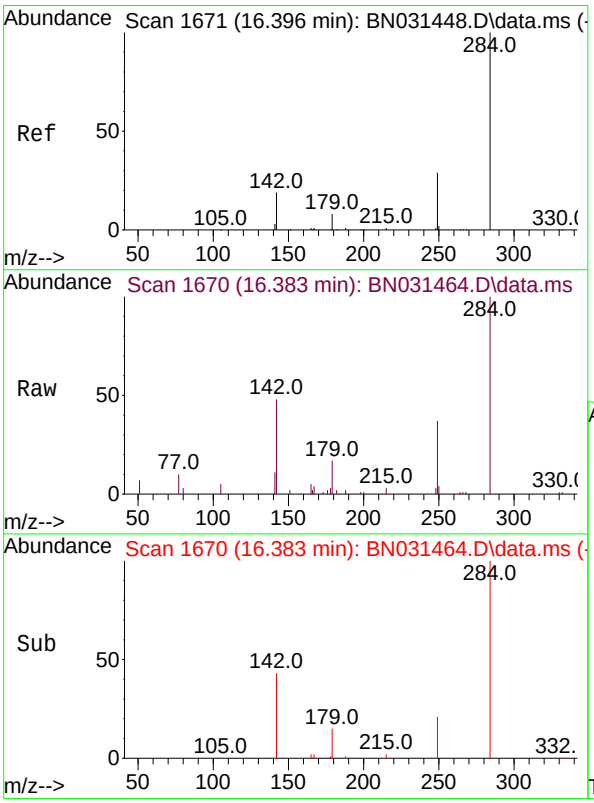
#21
4-Bromophenyl-phenylether
Concen: 0.354 ng
RT: 16.296 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:248 Resp: 10256

Ion	Ratio	Lower	Upper
248	100		
250	104.3	77.9	116.9
141	34.1	43.4	65.2#

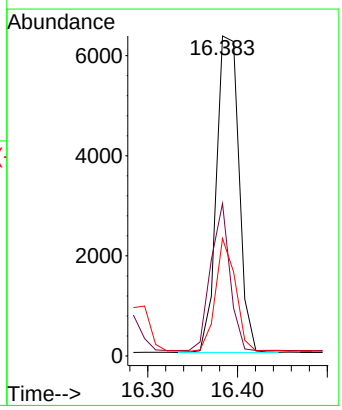


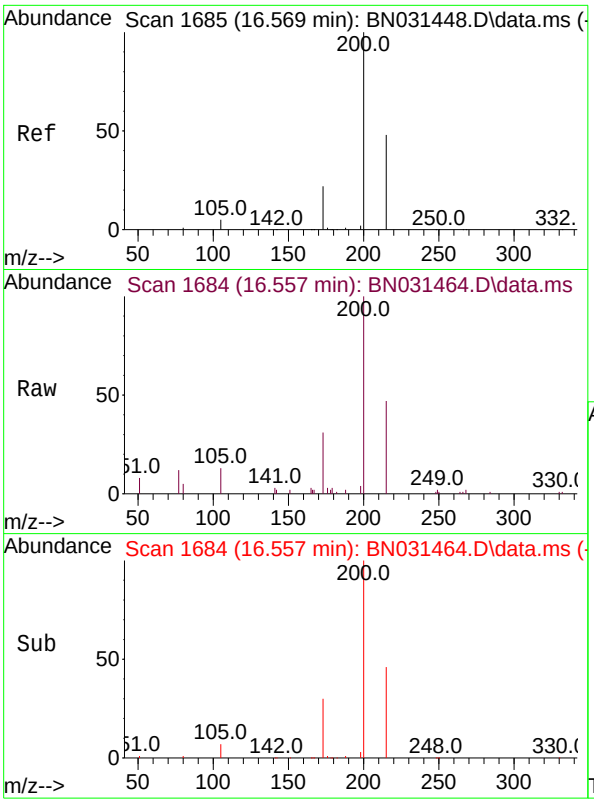


#22
Hexachlorobenzene
Concen: 0.377 ng
RT: 16.383 min Scan# 1670
Delta R.T. -0.013 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:284 Resp: 11026

Ion	Ratio	Lower	Upper
284	100		
142	39.3	31.0	46.6
249	31.4	25.5	38.3



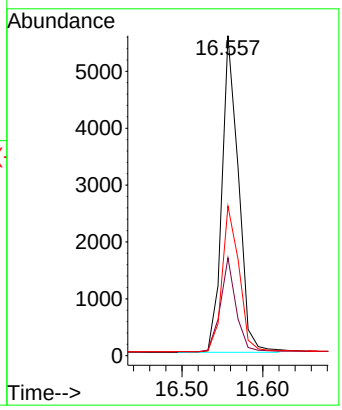


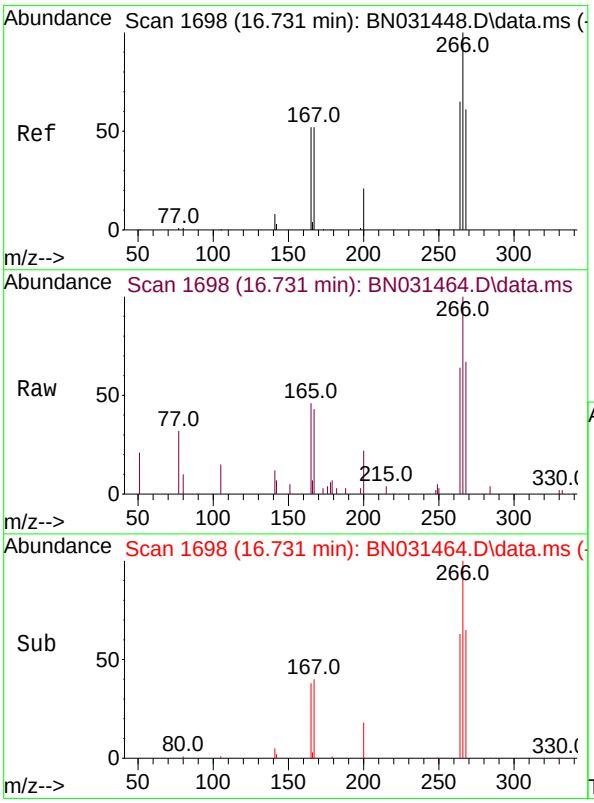
#23
Atrazine
Concen: 0.301 ng
RT: 16.557 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:200 Resp: 7927

Ion	Ratio	Lower	Upper
200	100		
173	30.6	19.6	29.4#
215	46.7	39.8	59.8

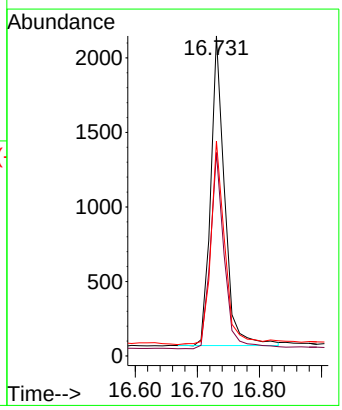


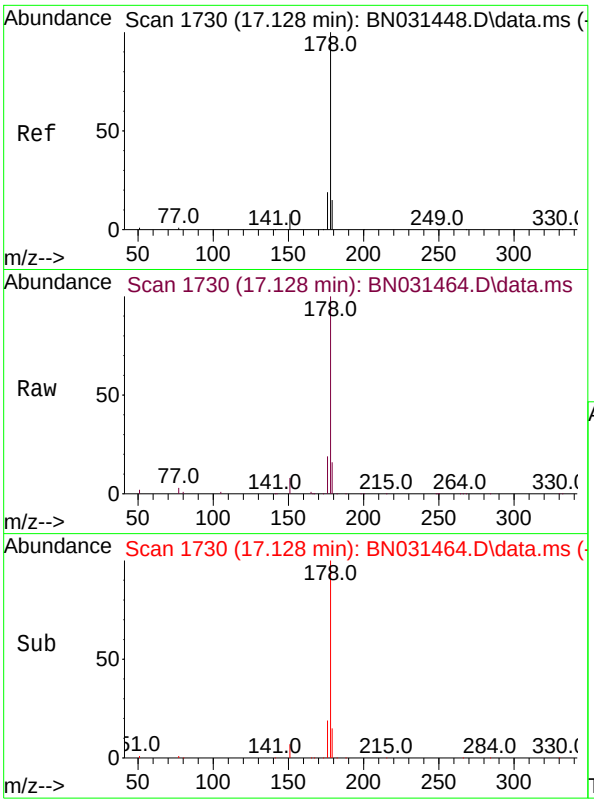


#24
Pentachlorophenol
Concen: 0.314 ng
RT: 16.731 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:266 Resp: 3243

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.6	75.8
268	65.2	49.0	73.4



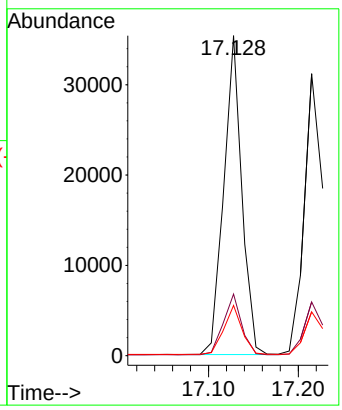


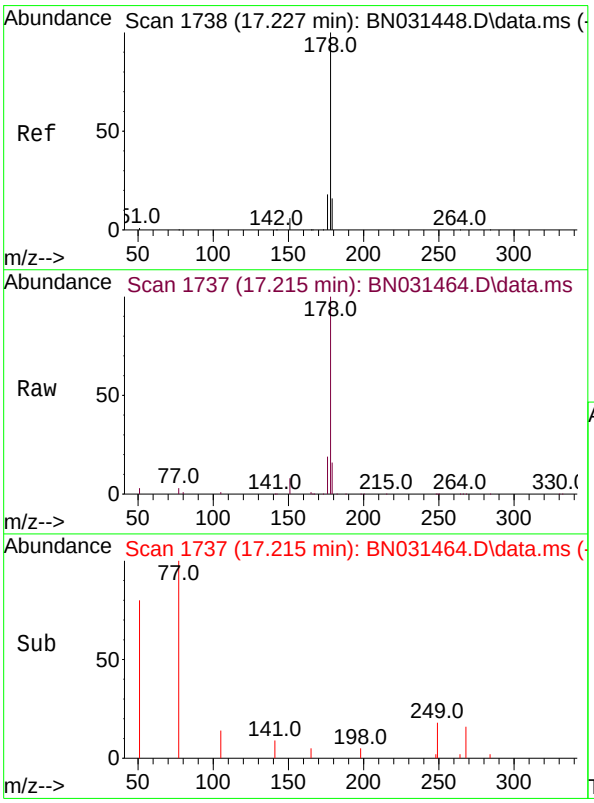
#25
Phenanthrene
Concen: 0.355 ng
RT: 17.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:178 Resp: 49254

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.3	18.5

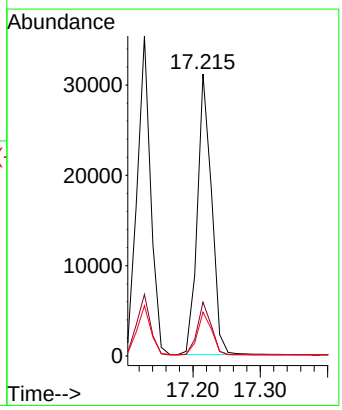


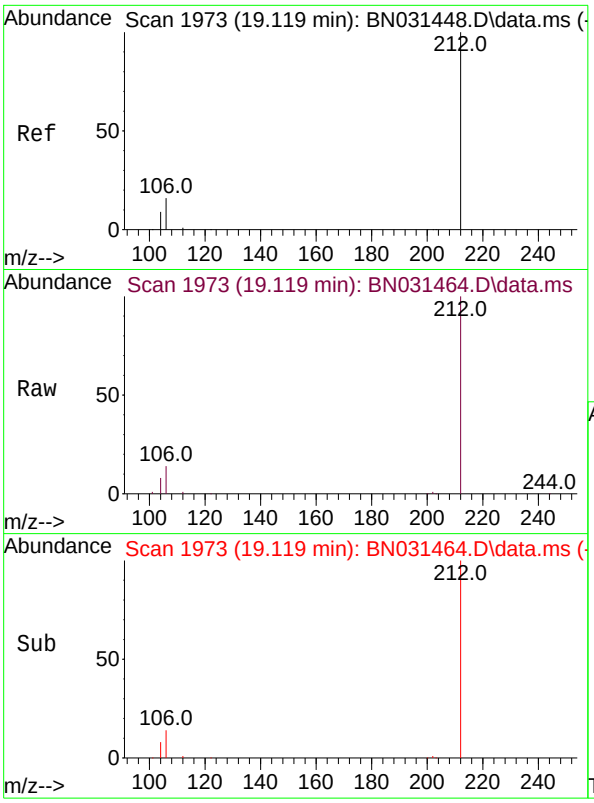


#26
Anthracene
Concen: 0.333 ng
RT: 17.215 min Scan# 1737
Delta R.T. -0.012 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:178 Resp: 45644

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.3	12.4	18.6



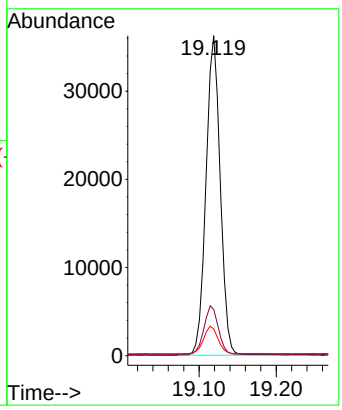


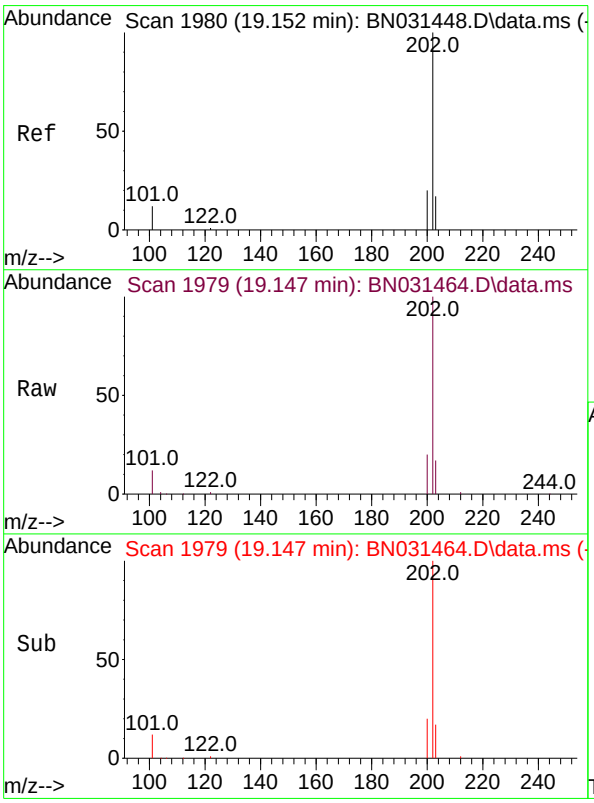
#27
Fluoranthene-d10
Concen: 0.339 ng
RT: 19.119 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:212 Resp: 46541

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.0	18.0
104	8.8	6.9	10.3

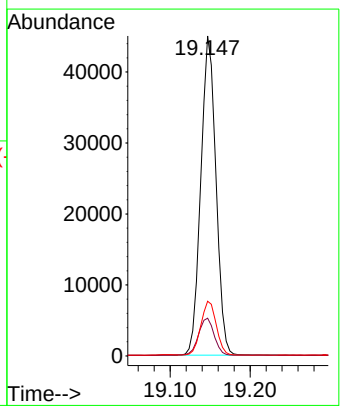


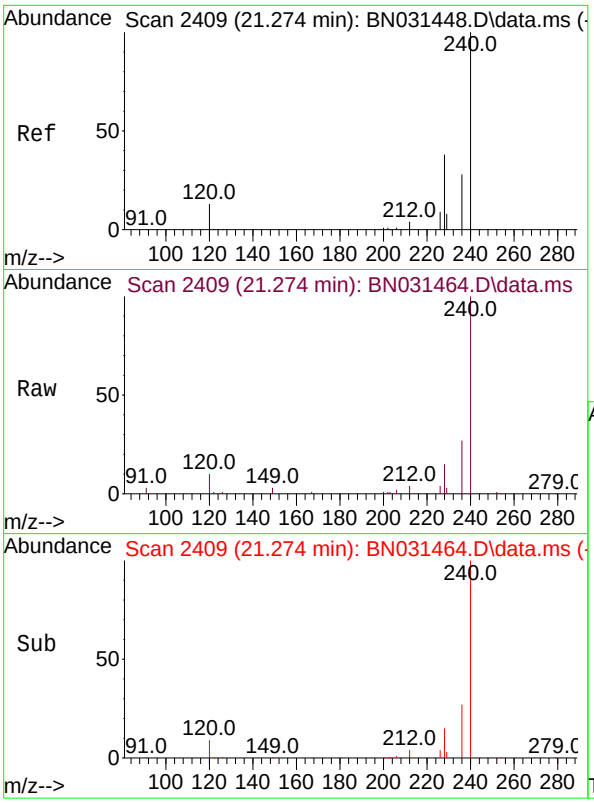


#28
Fluoranthene
Concen: 0.351 ng
RT: 19.147 min Scan# 1979
Delta R.T. -0.005 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:202 Resp: 59073

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.6
203	17.2	13.8	20.8



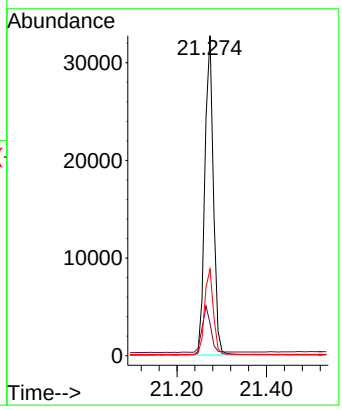


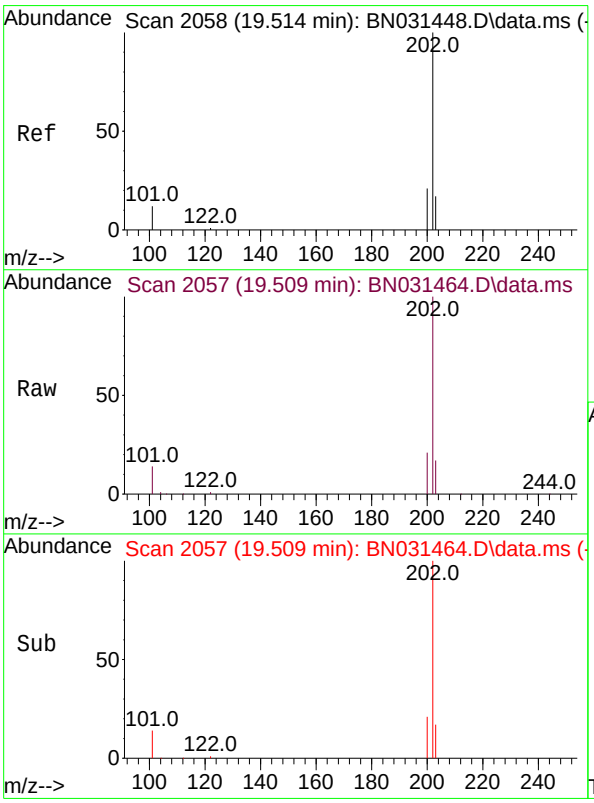
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.274 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:240 Resp: 43435

Ion	Ratio	Lower	Upper
240	100		
120	10.1	11.4	17.2#
236	27.0	22.2	33.4

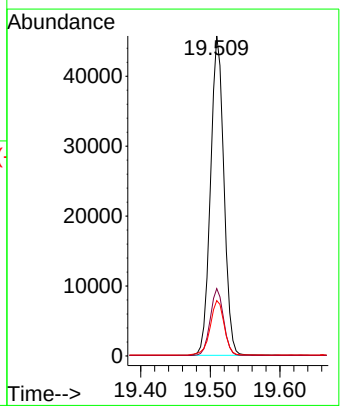


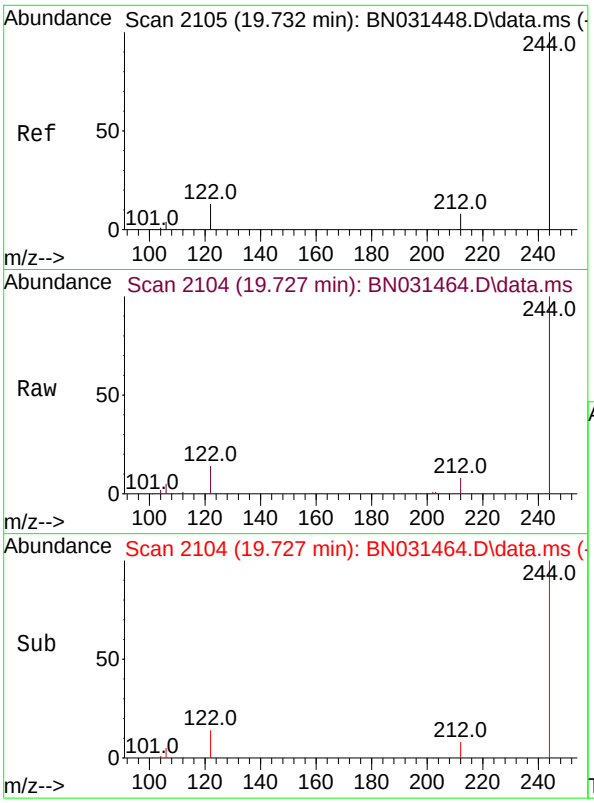


#30
Pyrene
Concen: 0.347 ng
RT: 19.509 min Scan# 2057
Delta R.T. -0.005 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:202 Resp: 61092

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.8	14.3	21.5



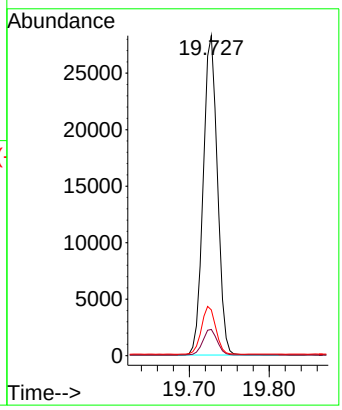


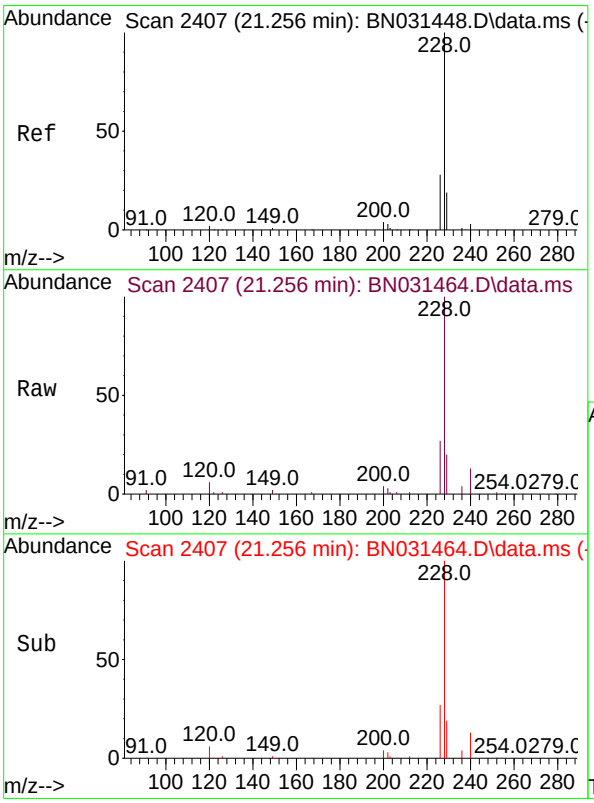
#31
Terphenyl-d14
Concen: 0.328 ng
RT: 19.727 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:244 Resp: 34808

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

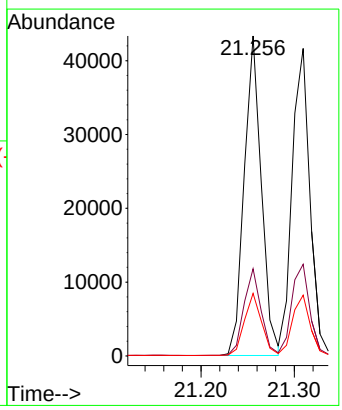


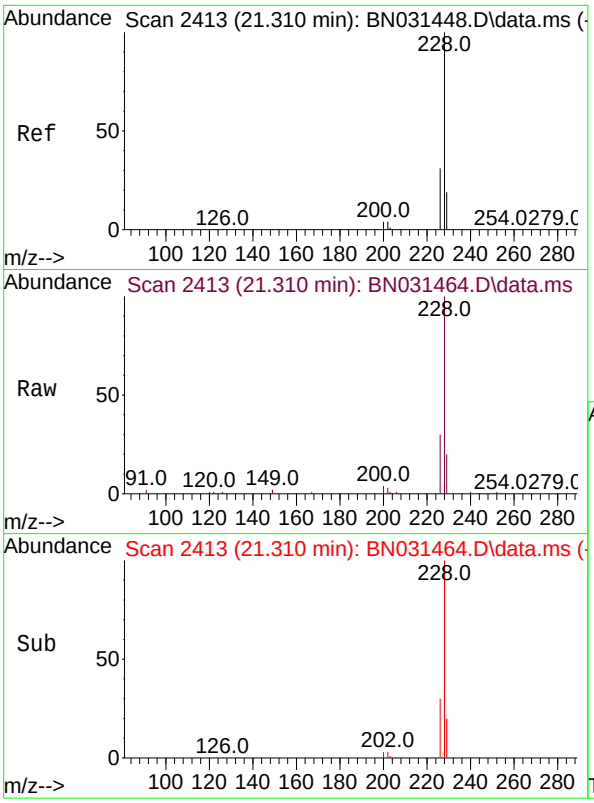


#32
Benzo(a)anthracene
Concen: 0.331 ng
RT: 21.256 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:228 Resp: 55511

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.4	33.6
229	19.6	15.5	23.3



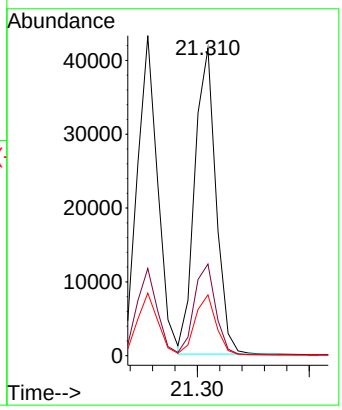


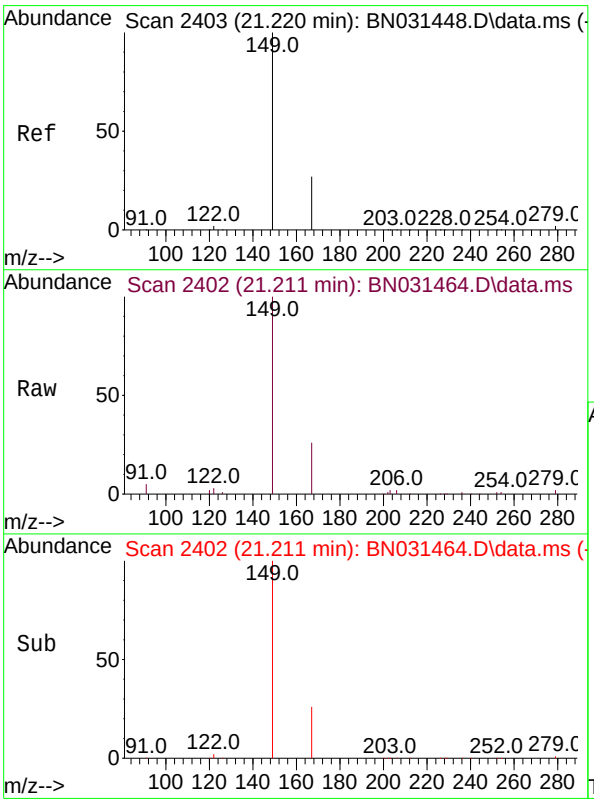
#33
Chrysene
Concen: 0.342 ng
RT: 21.310 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:228 Resp: 54562

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.5	36.7
229	19.8	15.8	23.8

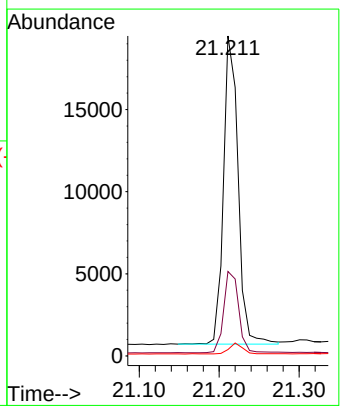


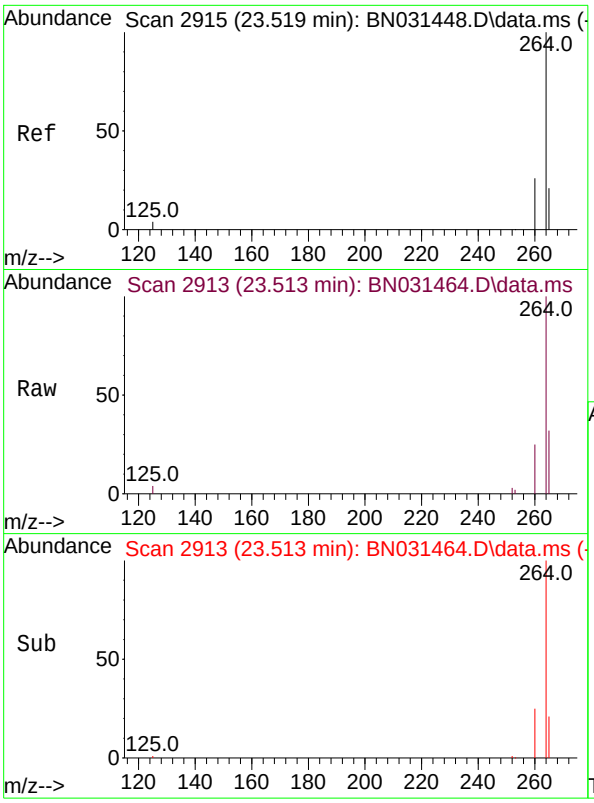


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.242 ng
RT: 21.211 min Scan# 2402
Delta R.T. -0.009 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:149 Resp: 23785

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.1	33.1
279	3.4	2.7	4.1



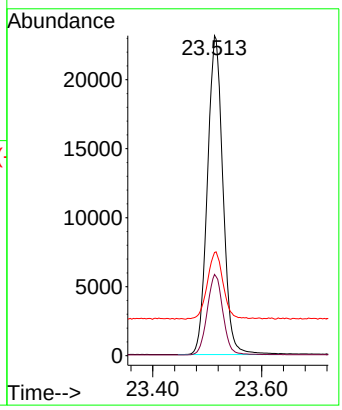


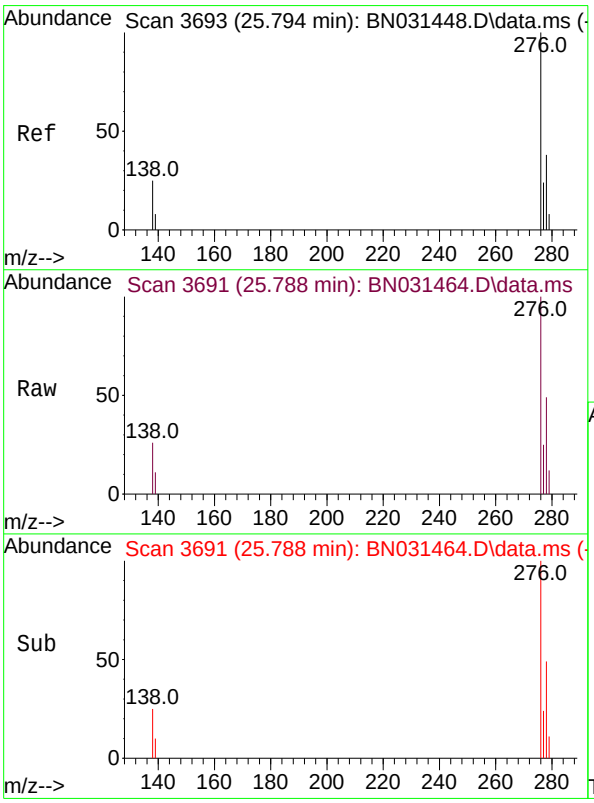
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.513 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:264 Resp: 45669

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	31.0
265	32.3	24.0	36.0

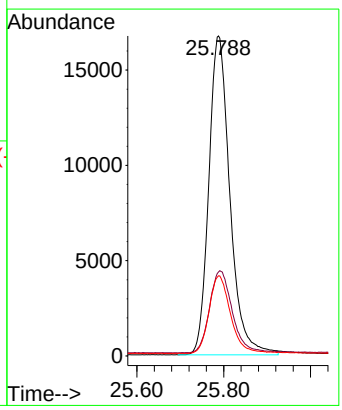


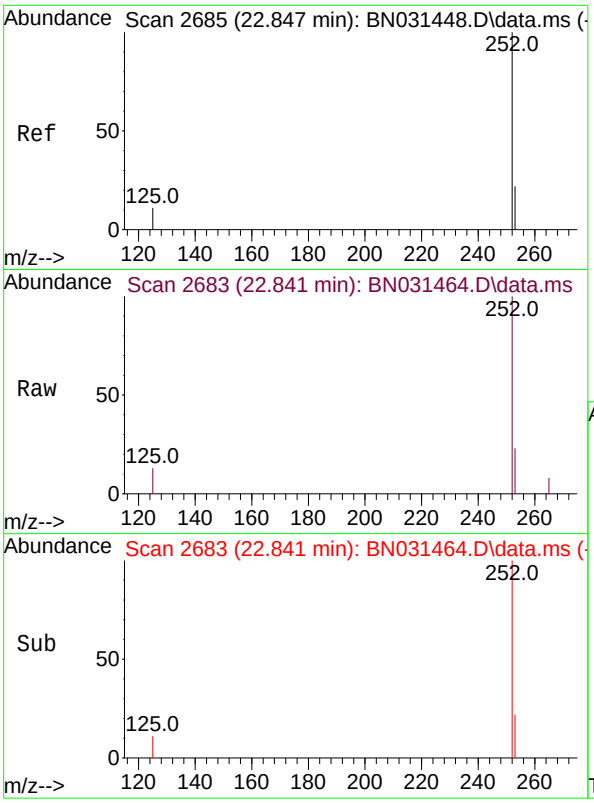


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.311 ng
RT: 25.788 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:276 Resp: 56590

Ion	Ratio	Lower	Upper
276	100		
138	27.6	23.0	34.6
277	24.7	19.9	29.9



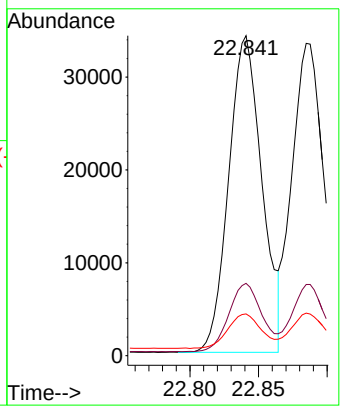


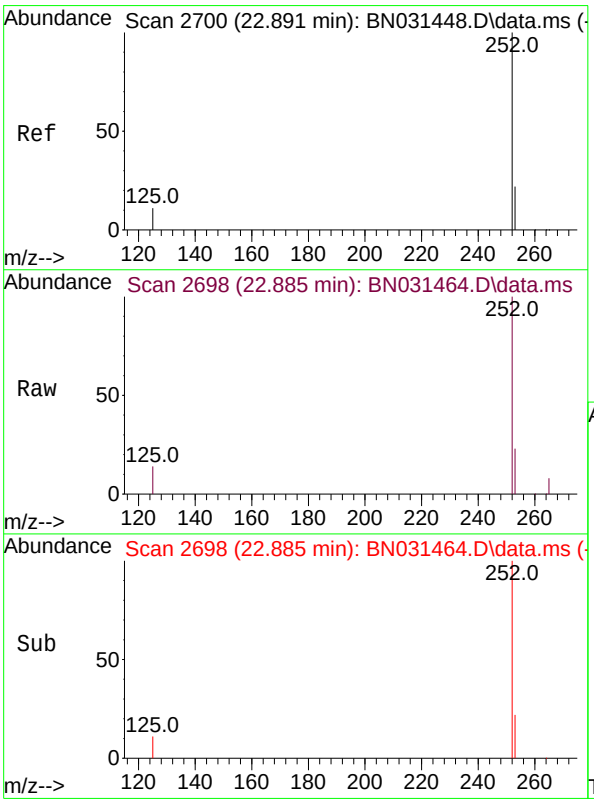
#37
Benzo(b)fluoranthene
Concen: 0.351 ng
RT: 22.841 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:252 Resp: 57483

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.1	10.5	15.7

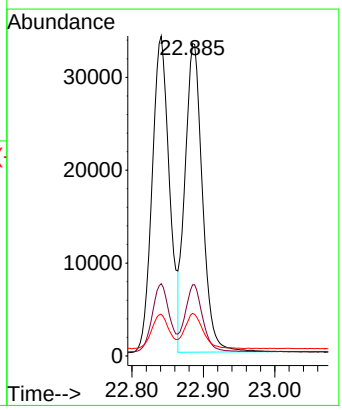


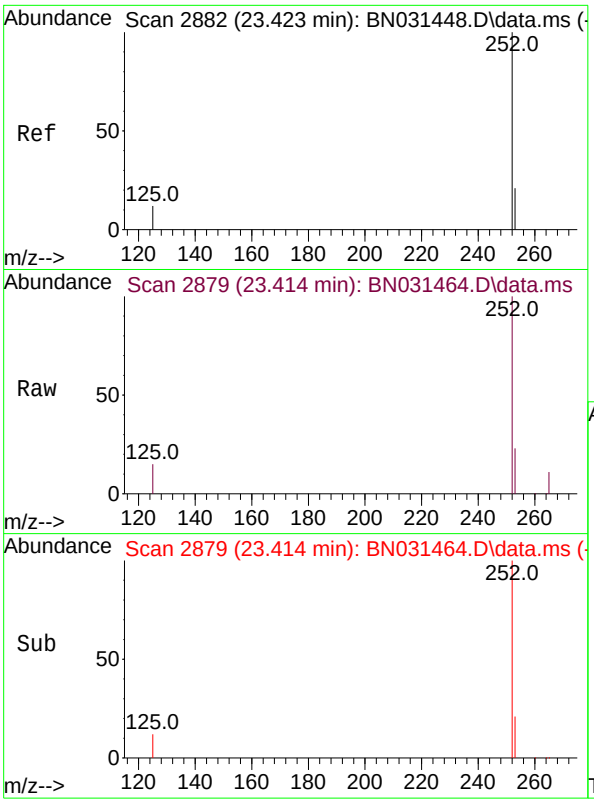


#38
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 22.885 min Scan# 2698
Delta R.T. -0.006 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:252 Resp: 56345

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	13.6	11.0	16.6



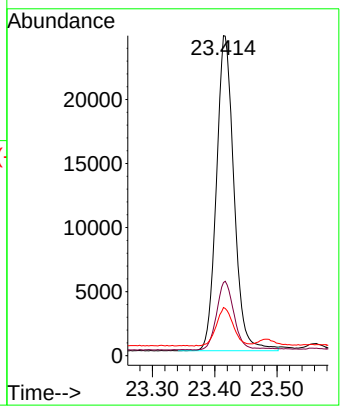


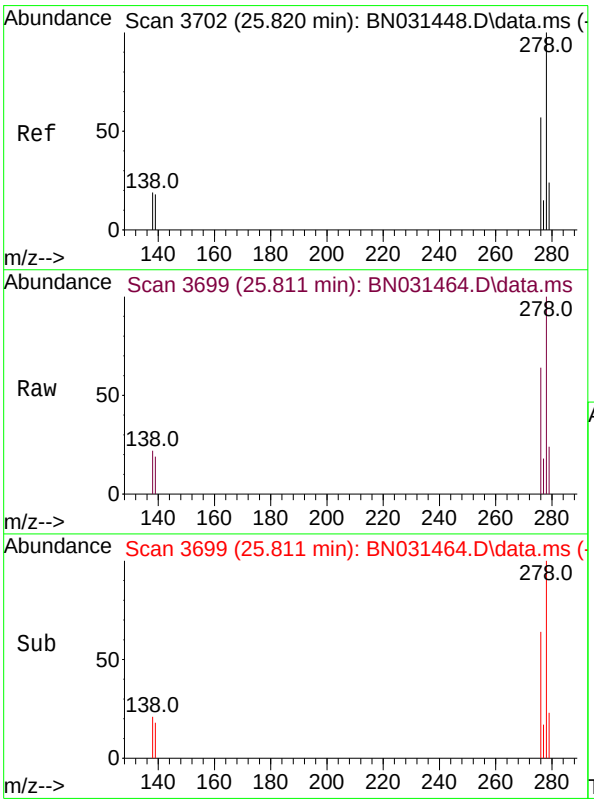
#39
Benzo(a)pyrene
Concen: 0.338 ng
RT: 23.414 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:252 Resp: 48207

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	15.1	11.9	17.9

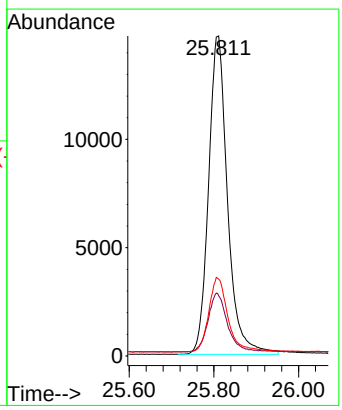


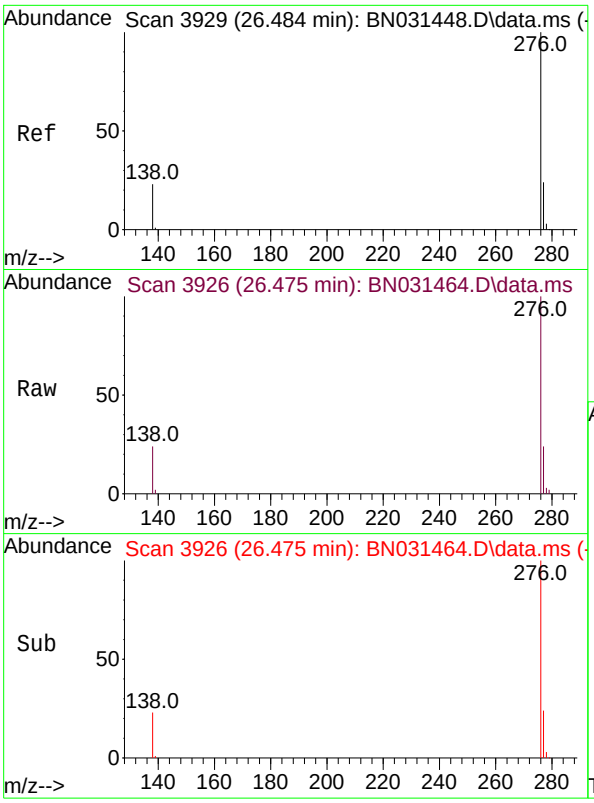


#40
Dibenzo(a,h)anthracene
Concen: 0.317 ng
RT: 25.811 min Scan# 3699
Delta R.T. -0.009 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Tgt Ion:278 Resp: 45757

Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.9	23.9
279	24.0	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.307 ng
RT: 26.475 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN031464.D
Acq: 10 May 2024 15:38

Instrument :
BNA_N
ClientSampleId :
PB160529BS

Tgt Ion:276 Resp: 47651

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	24.2	20.4	30.6