Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
Data File : BN033515.D
Acq On : 20 Aug 2024 20:40
Operator : MA/JU
Sample : PB162851BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Quant Time: Aug 20 23:22:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.552	152	9731	0.400	ng		0.00
7) Naphthalene-d8	10.314	136	25646	0.400	ng	#	0.00
13) Acenaphthene-d10	14.189	164	12583	0.400	ng		0.00
19) Phenanthrene-d10	16.942	188	24090	0.400	ng	#	0.00
29) Chrysene-d12	21.148	240	15815	0.400	ng	#	0.00
35) Perylene-d12	23.315	264	16027	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.183	112	8990	0.291	ng		0.00
5) Phenol-d6	6.736	99	11275	0.306	ng		0.00
8) Nitrobenzene-d5	8.681	82	7597	0.357	ng		-0.01
11) 2-Methylnaphthalene-d10	11.911	152	13030	0.355	ng		0.00
14) 2,4,6-Tribromophenol	15.688	330	1763	0.261	ng		0.00
15) 2-Fluorobiphenyl	12.810	172	20033	0.390	ng		0.00
27) Fluoranthene-d10	18.975	212	19455	0.336	ng		0.00
31) Terphenyl-d14	19.593	244	11564	0.322	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.190	88	4036	0.360	ng		97
3) n-Nitrosodimethylamine	3.479	42	4667	0.358	ng	#	95
6) bis(2-Chloroethyl)ether	6.989	93	10310	0.395	ng		99
9) Naphthalene	10.357	128	26390	0.385	ng		100
10) Hexachlorobutadiene	10.656	225	5243	0.384	ng	#	100
12) 2-Methylnaphthalene	11.983	142	16366	0.377	ng		100
16) Acenaphthylene	13.900	152	19831	0.359	ng		100
17) Acenaphthene	14.253	154	14621	0.377	ng		99
18) Fluorene	15.236	166	17973	0.367	ng		100
20) 4,6-Dinitro-2-methylph...	15.322	198	1128	0.300	ng	#	85
21) 4-Bromophenyl-phenylether	16.135	248	5630	0.385	ng	#	73
22) Hexachlorobenzene	16.247	284	6528	0.404	ng		98
23) Atrazine	16.420	200	3726	0.319	ng	#	95
24) Pentachlorophenol	16.594	266	2081	0.297	ng		98
25) Phenanthrene	16.979	178	26120	0.390	ng		100
26) Anthracene	17.066	178	21646	0.365	ng		99
28) Fluoranthene	19.007	202	26931	0.364	ng		100
30) Pyrene	19.370	202	27080	0.384	ng		100
32) Benzo(a)anthracene	21.130	228	21895	0.383	ng		99
33) Chrysene	21.184	228	22293	0.392	ng		100
34) Bis(2-ethylhexyl)phtha...	21.095	149	11914	0.329	ng		98
36) Indeno(1,2,3-cd)pyrene	25.466	276	26068	0.392	ng		99
37) Benzo(b)fluoranthene	22.668	252	23458	0.392	ng		99
38) Benzo(k)fluoranthene	22.712	252	22574	0.383	ng		97
39) Benzo(a)pyrene	23.218	252	18586	0.375	ng		98
40) Dibenzo(a,h)anthracene	25.481	278	20586	0.387	ng		99
41) Benzo(g,h,i)perylene	26.118	276	22404	0.394	ng		100

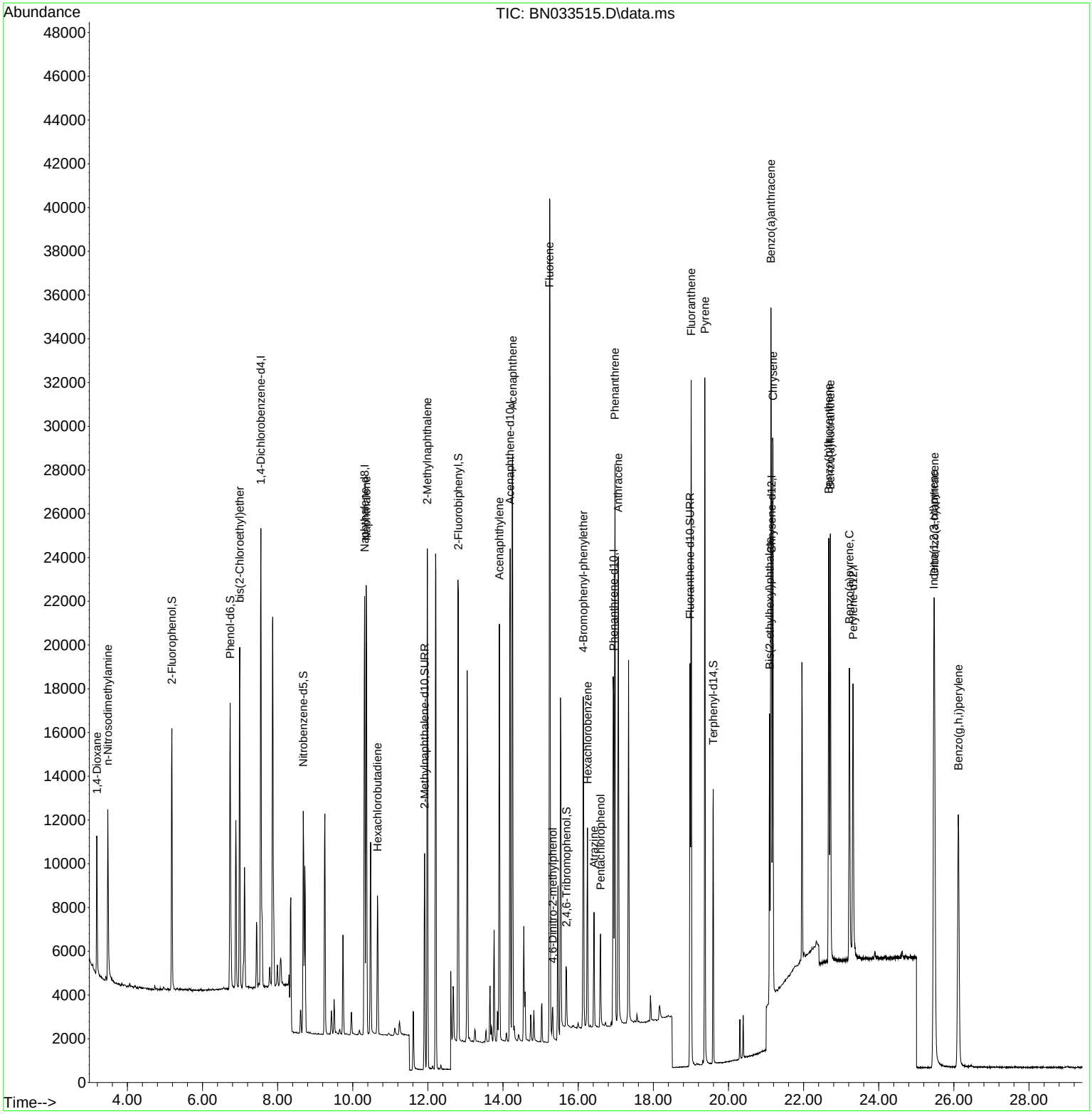
(#) = qualifier out of range (m) = manual integration (+) = signals summed

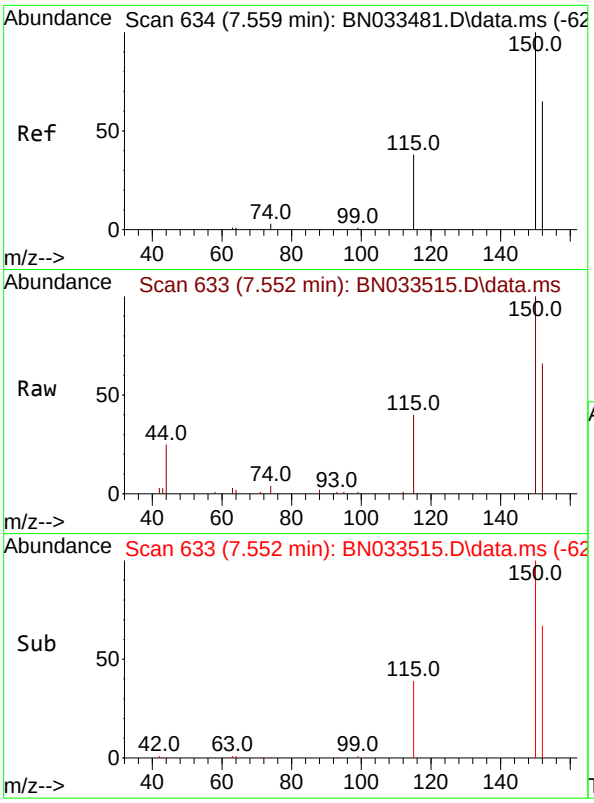
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
Data File : BN033515.D
Acq On : 20 Aug 2024 20:40
Operator : MA/JU
Sample : PB162851BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Quant Time: Aug 20 23:22:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration



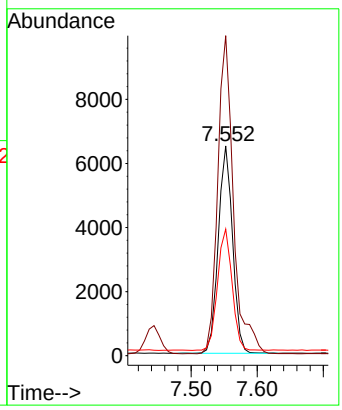


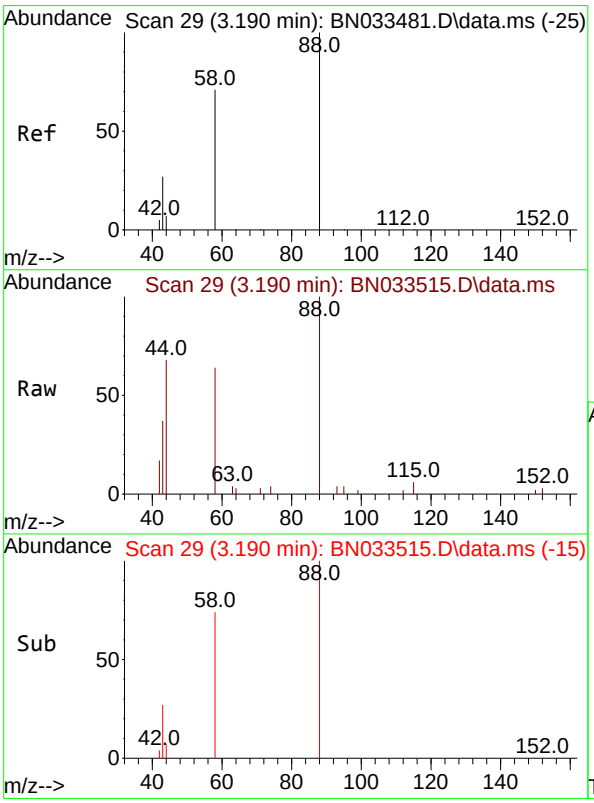
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:152 Resp: 9731

Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.2	183.2
115	60.4	47.2	70.8

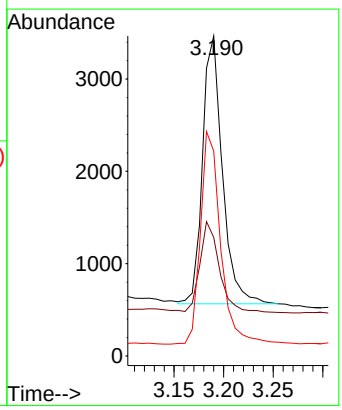


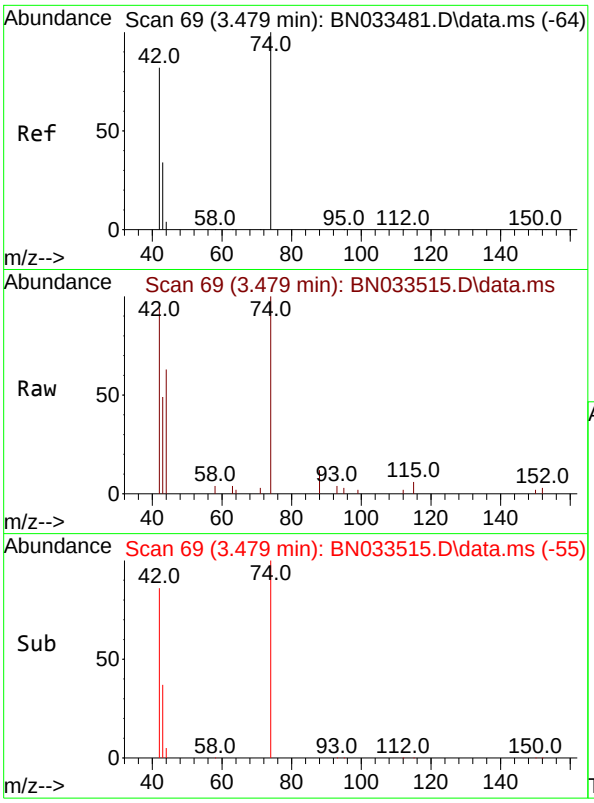


#2
1,4-Dioxane
Concen: 0.360 ng
RT: 3.190 min Scan# 29
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion: 88 Resp: 4036

Ion	Ratio	Lower	Upper
88	100		
43	33.6	25.0	37.4
58	80.6	62.5	93.7



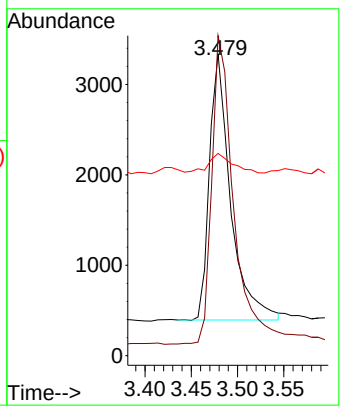


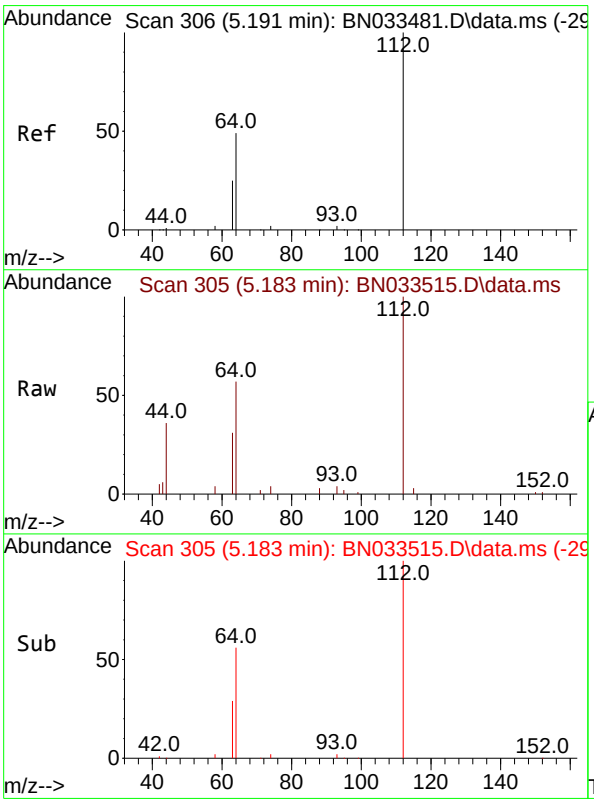
#3
n-Nitrosodimethylamine
Concen: 0.358 ng
RT: 3.479 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion: 42 Resp: 4667

Ion	Ratio	Lower	Upper
42	100		
74	120.0	100.2	150.2
44	8.1	5.3	7.9#

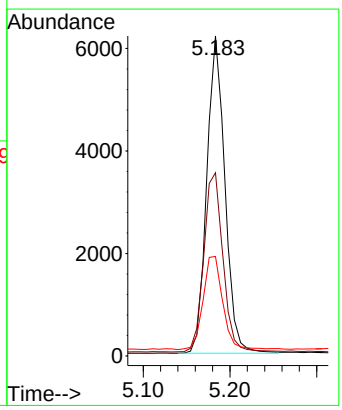


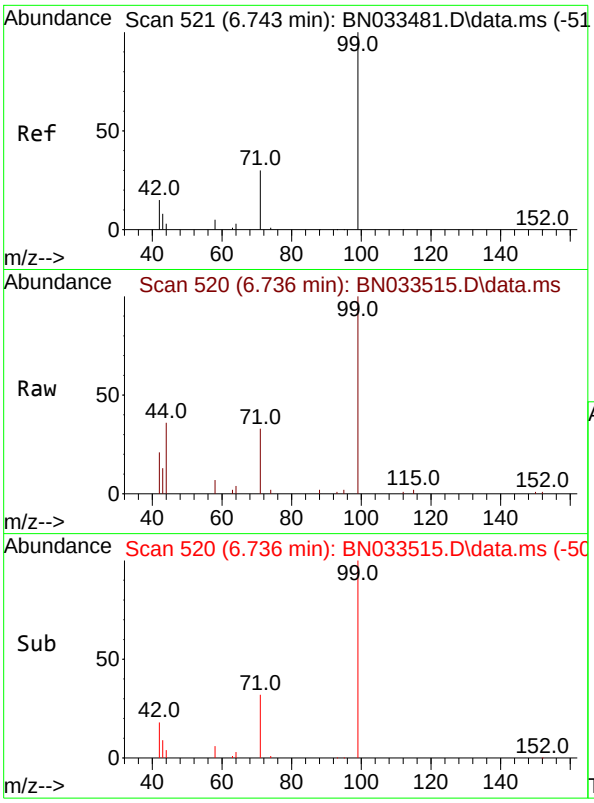


#4
2-Fluorophenol
Concen: 0.291 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:112 Resp: 8990

Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.1	70.7
63	31.8	24.9	37.3



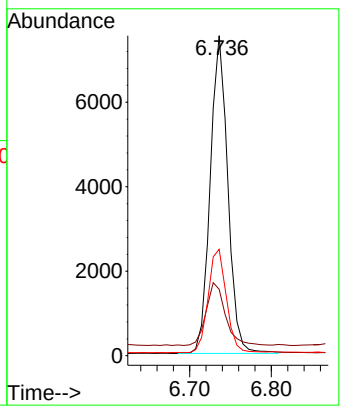


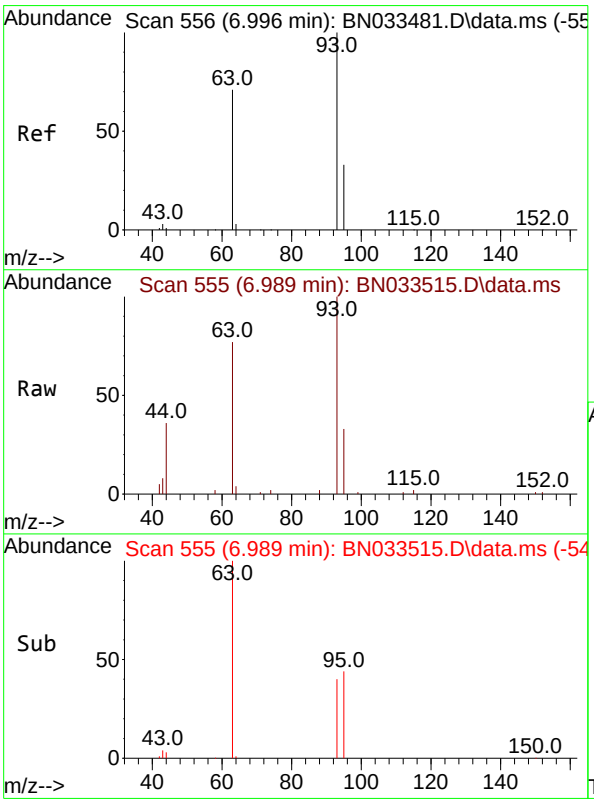
#5
Phenol-d6
Concen: 0.306 ng
RT: 6.736 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion: 99 Resp: 11275

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	24.8
71	33.6	26.2	39.4

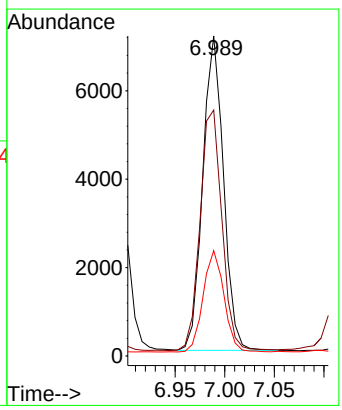


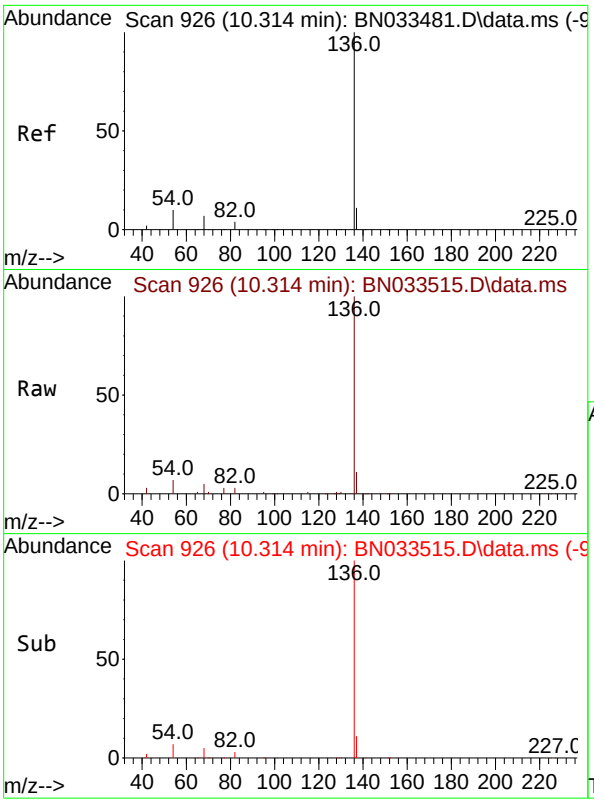


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 6.989 min Scan# 555
Delta R.T. -0.007 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion: 93 Resp: 10310

Ion	Ratio	Lower	Upper
93	100		
63	80.4	63.0	94.4
95	32.5	26.0	39.0



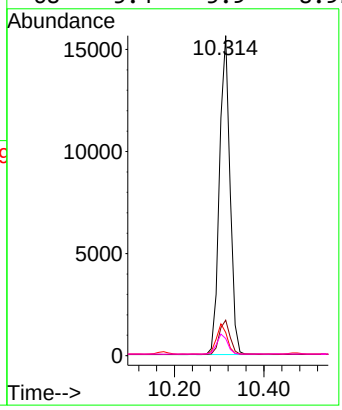


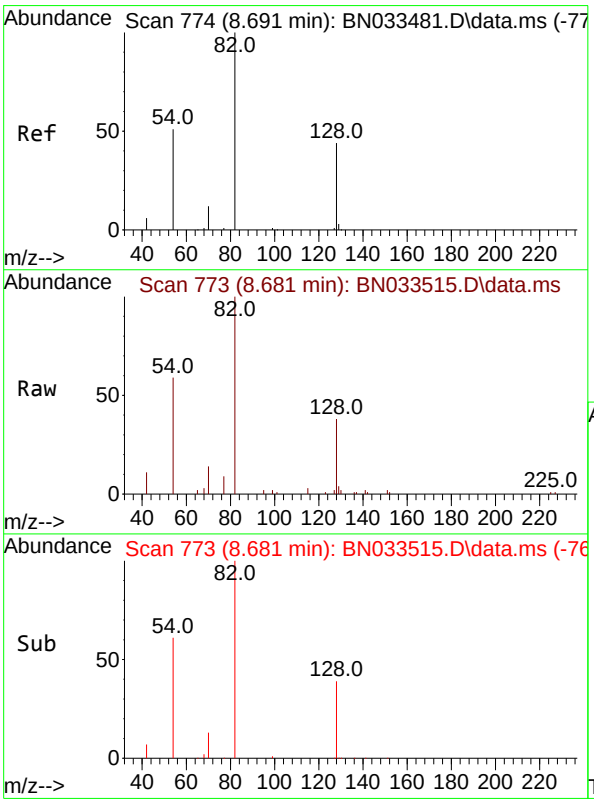
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:136 Resp: 25646

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	7.2	8.3	12.5#
68	5.4	5.9	8.9#

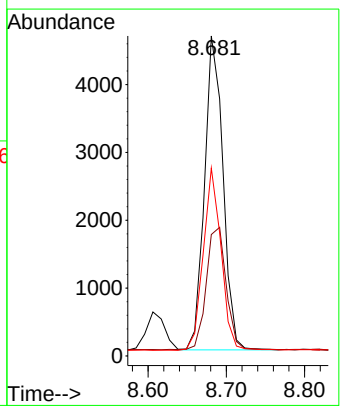


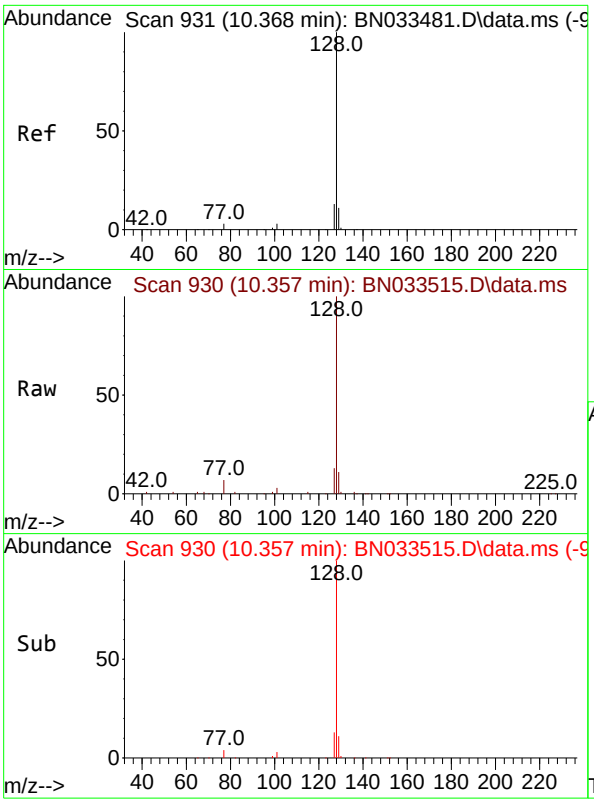


#8
Nitrobenzene-d5
Concen: 0.357 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion: 82 Resp: 7597

Ion	Ratio	Lower	Upper
82	100		
128	38.0	36.0	54.0
54	58.7	42.0	63.0



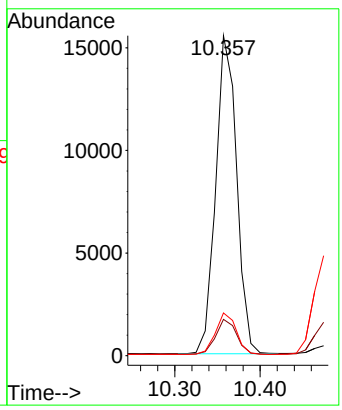


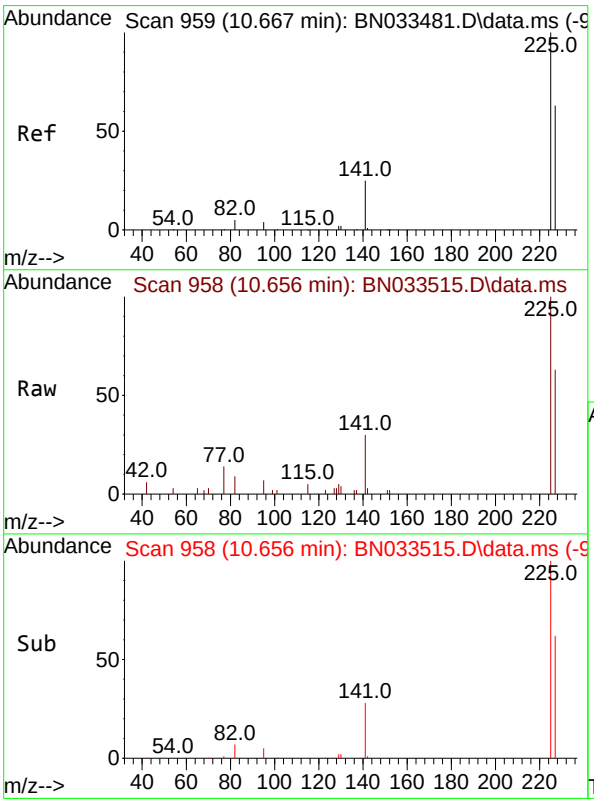
#9
Naphthalene
Concen: 0.385 ng
RT: 10.357 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:128 Resp: 26390

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.7	16.1

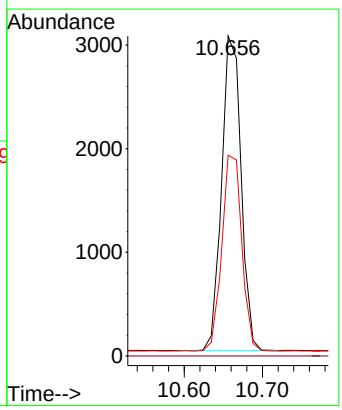


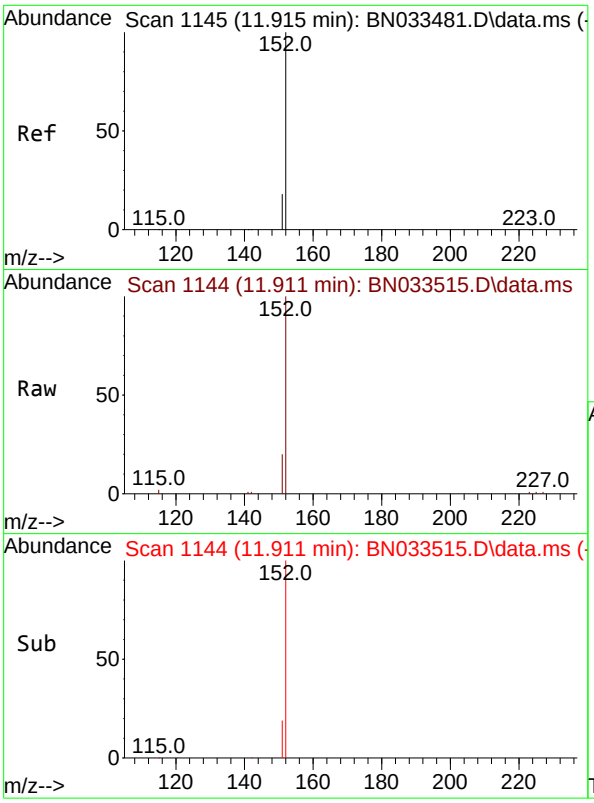


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.656 min Scan# 958
Delta R.T. -0.011 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:225 Resp: 5243

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.2	76.8



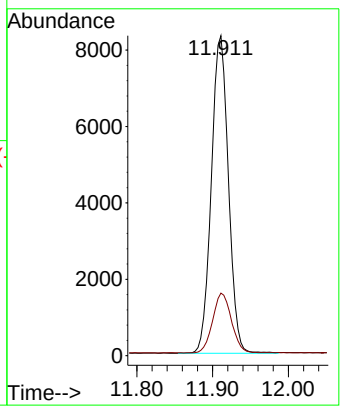


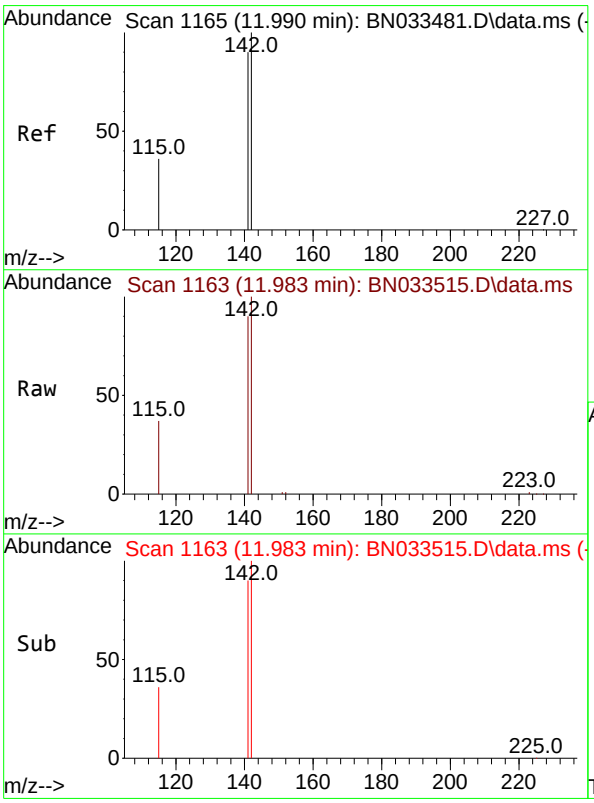
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 11.911 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:152 Resp: 13030

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0

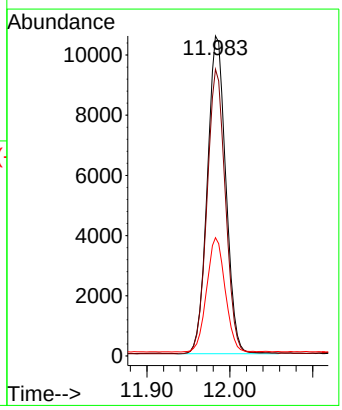


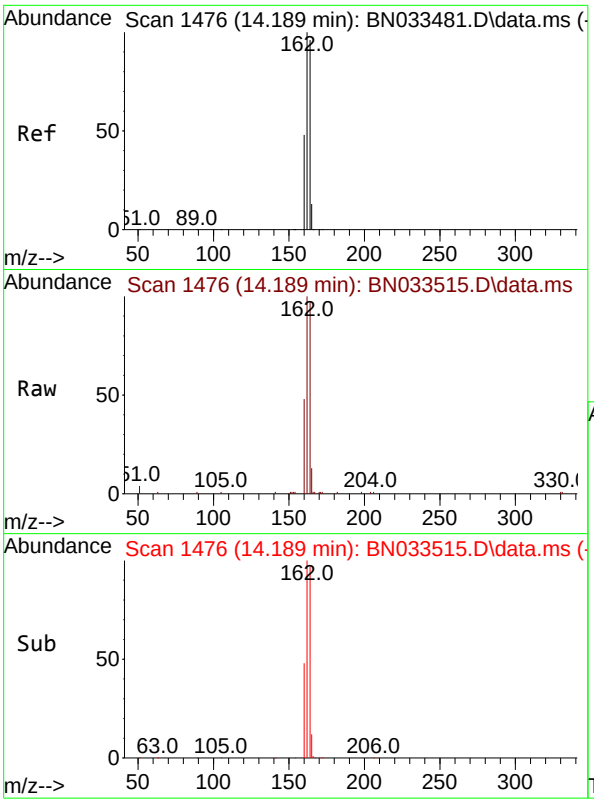


#12
2-Methylnaphthalene
Concen: 0.377 ng
RT: 11.983 min Scan# 1163
Delta R.T. -0.008 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:142 Resp: 16366

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	37.0	29.4	44.2



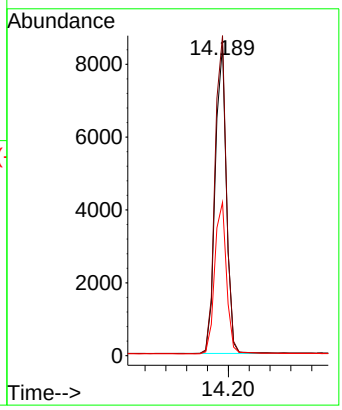


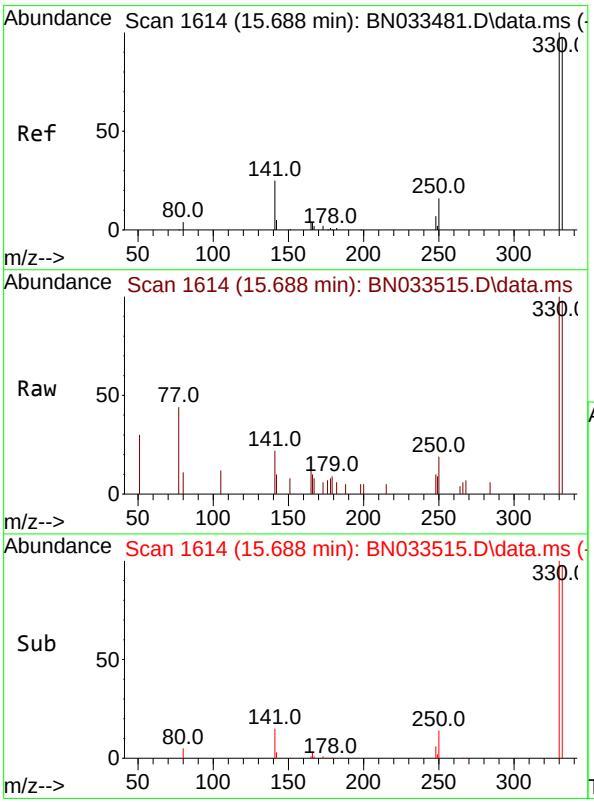
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:164 Resp: 12583

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.5	125.3
160	49.4	40.2	60.4

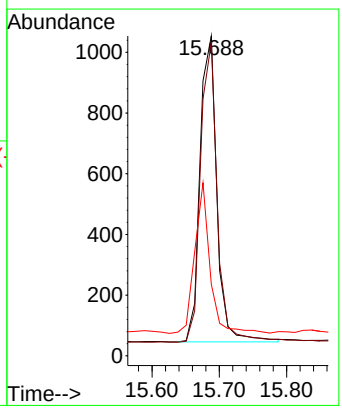


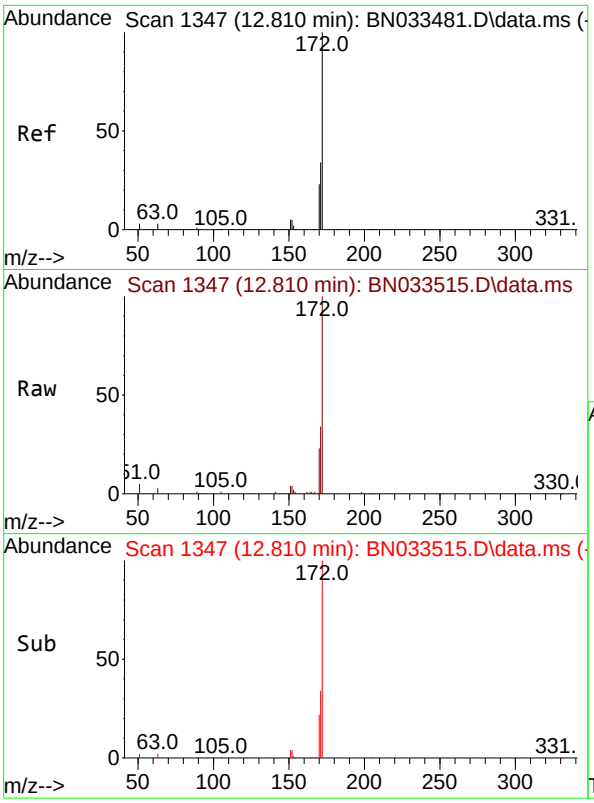


#14
2,4,6-Tribromophenol
Concen: 0.261 ng
RT: 15.688 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:330 Resp: 1763

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.5	116.3
141	44.2	33.9	50.9



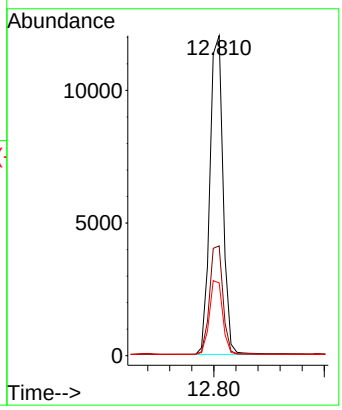


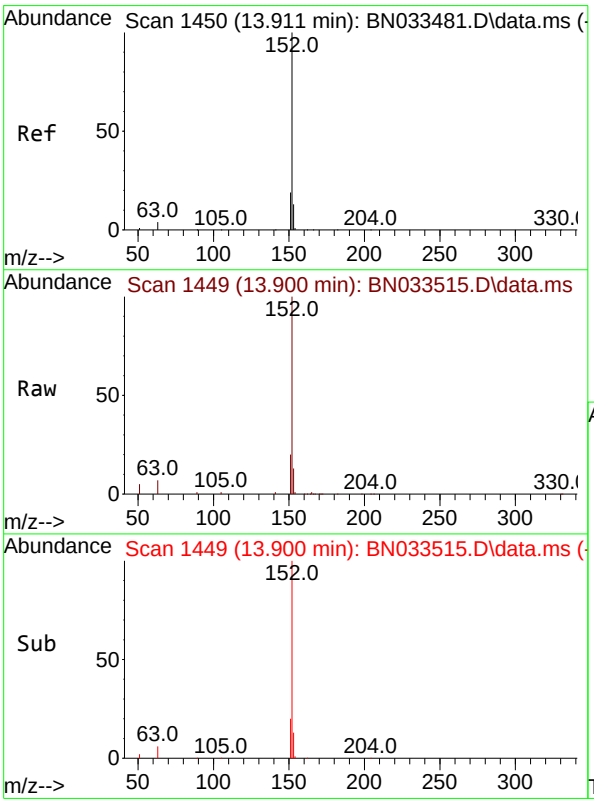
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 12.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:172 Resp: 20033

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.7	41.5
170	22.8	18.3	27.5

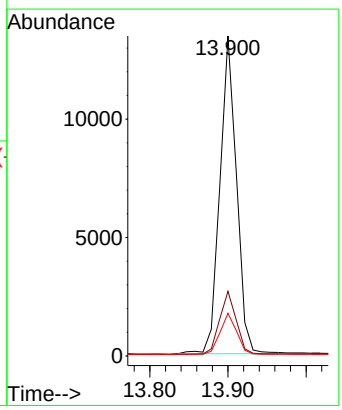


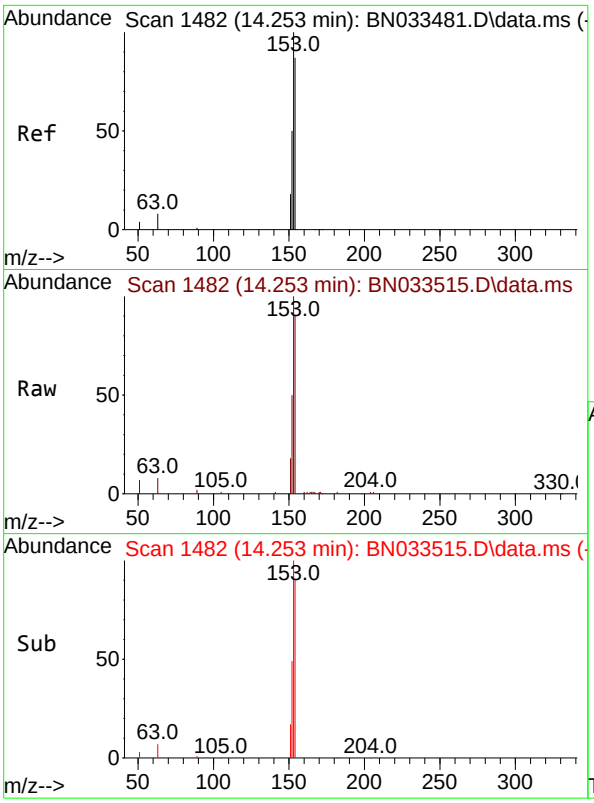


#16
Acenaphthylene
Concen: 0.359 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:152 Resp: 19831

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.3	15.5



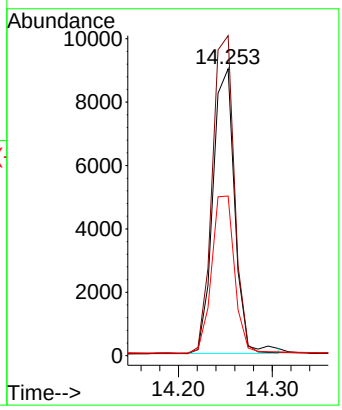


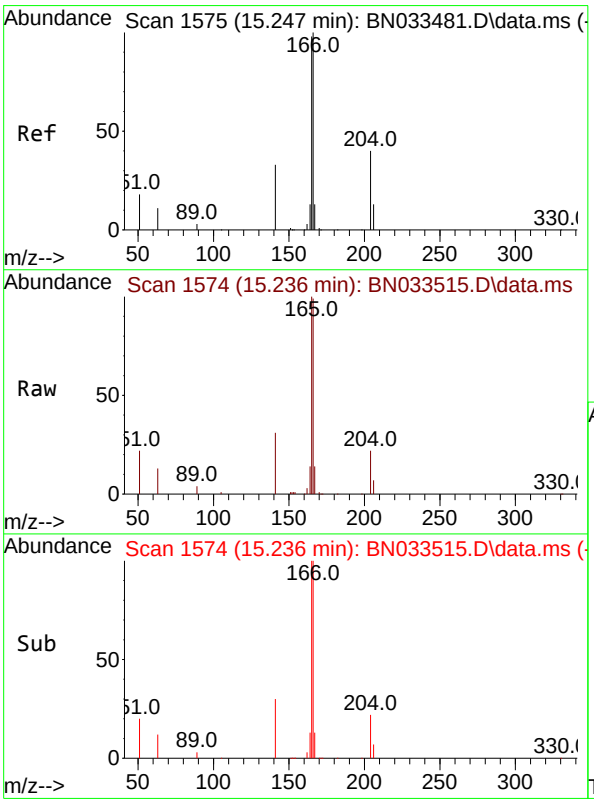
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.253 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:154 Resp: 14621

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.0	133.6
152	57.2	45.2	67.8

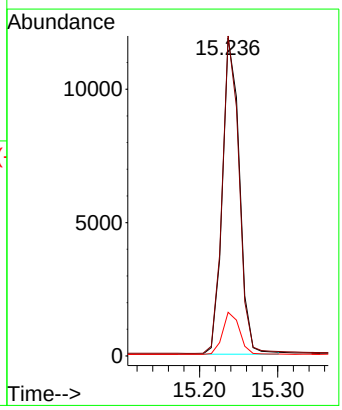


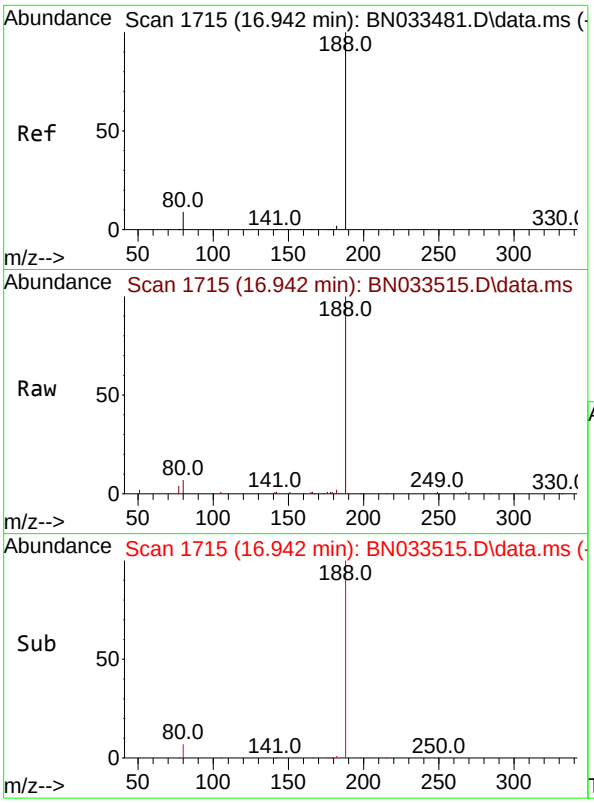


#18
Fluorene
Concen: 0.367 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:166 Resp: 17973

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.3	10.6	16.0



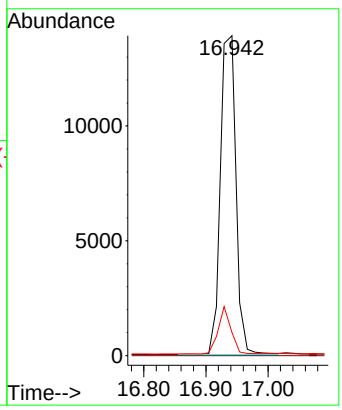


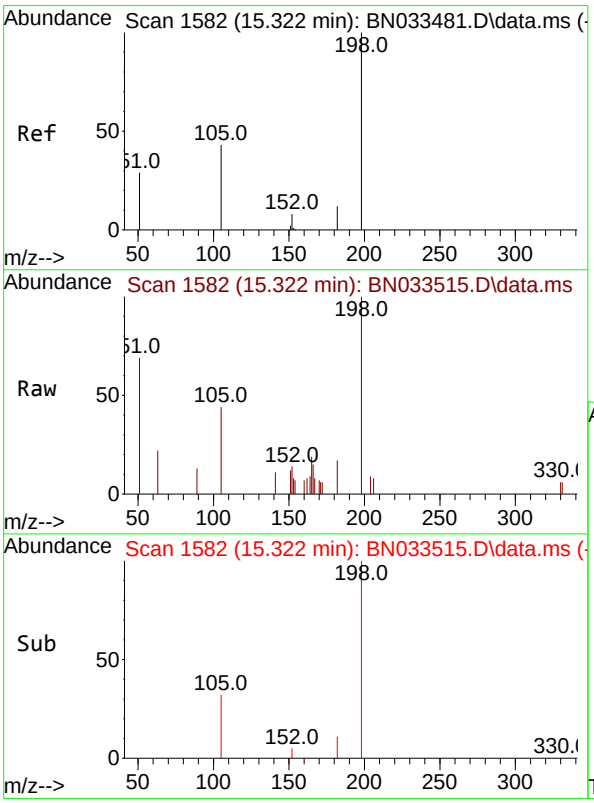
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.942 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:188 Resp: 24090

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	7.8	11.8#

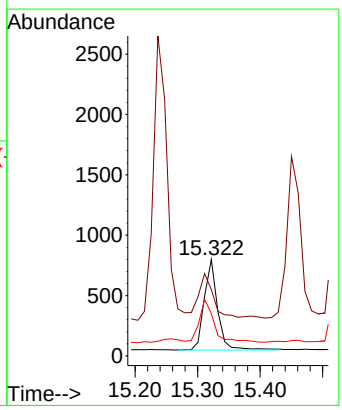


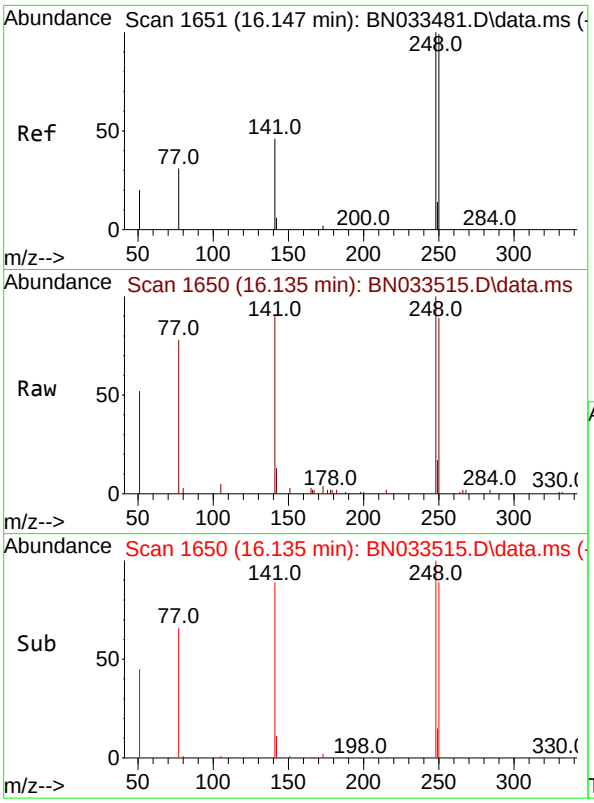


#20
4,6-Dinitro-2-methylphenol
Concen: 0.300 ng
RT: 15.322 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:198 Resp: 1128

Ion	Ratio	Lower	Upper
198	100		
51	68.8	65.1	97.7
105	43.9	44.8	67.2#



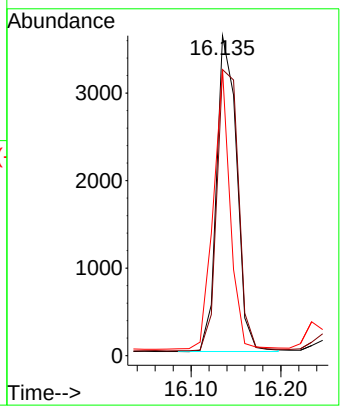


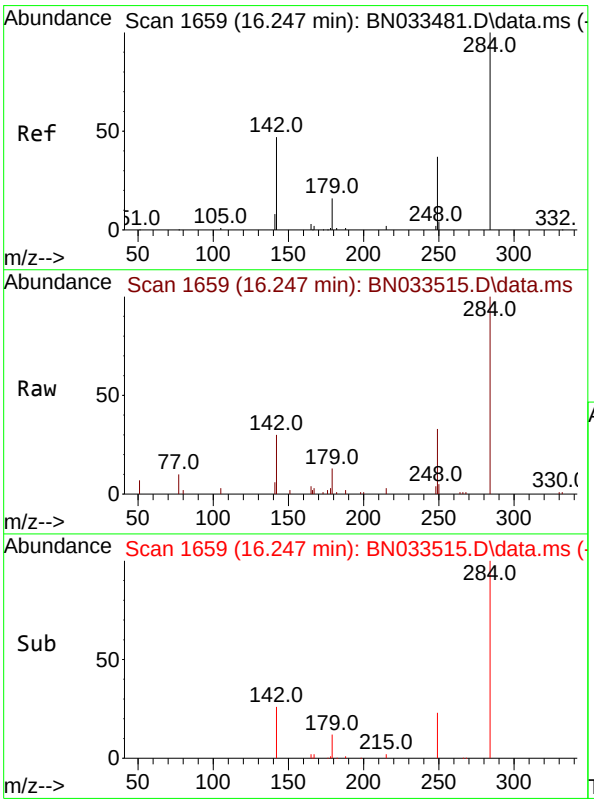
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.135 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:248 Resp: 5630

Ion	Ratio	Lower	Upper
248	100		
250	89.4	79.2	118.8
141	89.6	37.9	56.9#

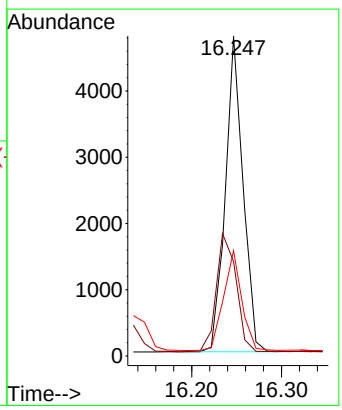


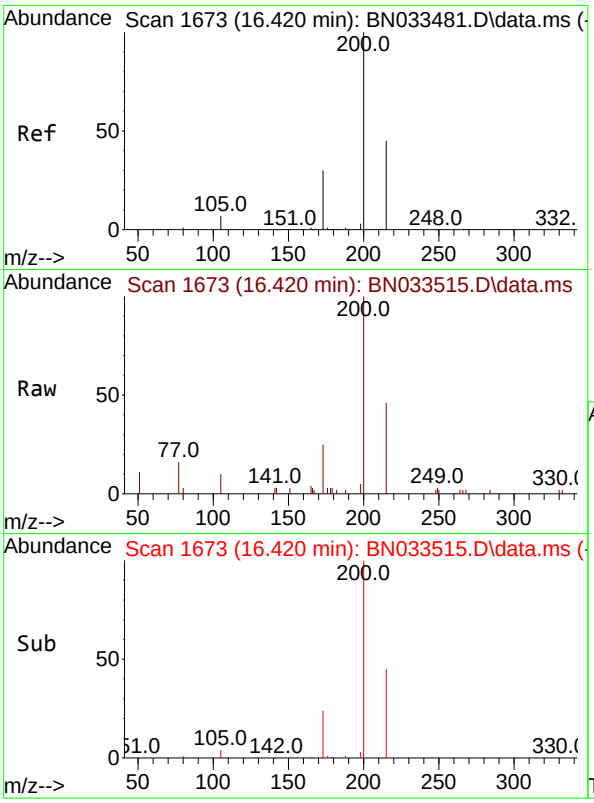


#22
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.247 min Scan# 1659
Delta R.T. -0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:284 Resp: 6528

Ion	Ratio	Lower	Upper
284	100		
142	41.9	31.8	47.6
249	32.4	26.0	39.0



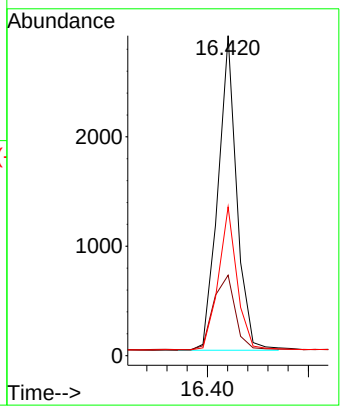


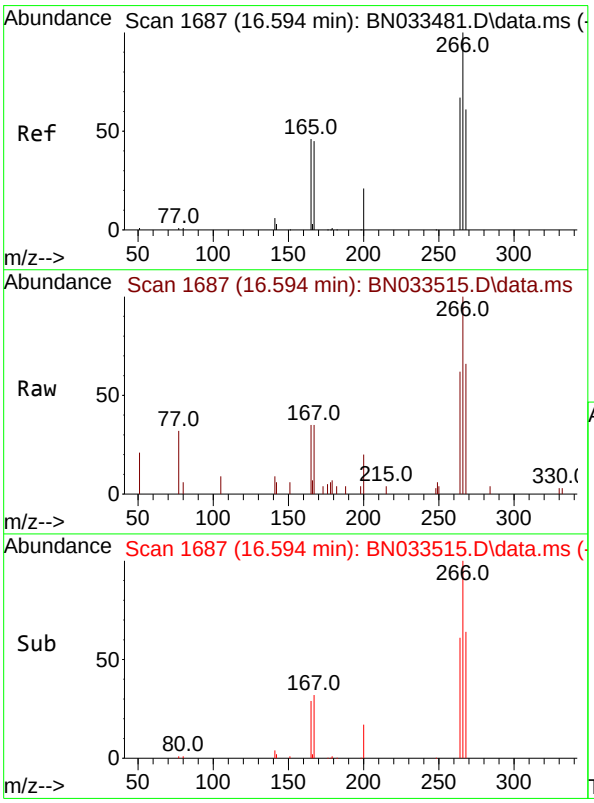
#23
Atrazine
Concen: 0.319 ng
RT: 16.420 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:200 Resp: 3726

Ion	Ratio	Lower	Upper
200	100		
173	25.1	25.3	37.9#
215	46.5	36.6	54.8

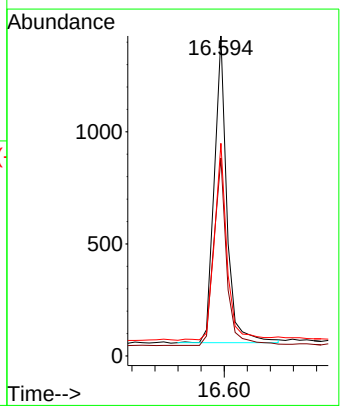


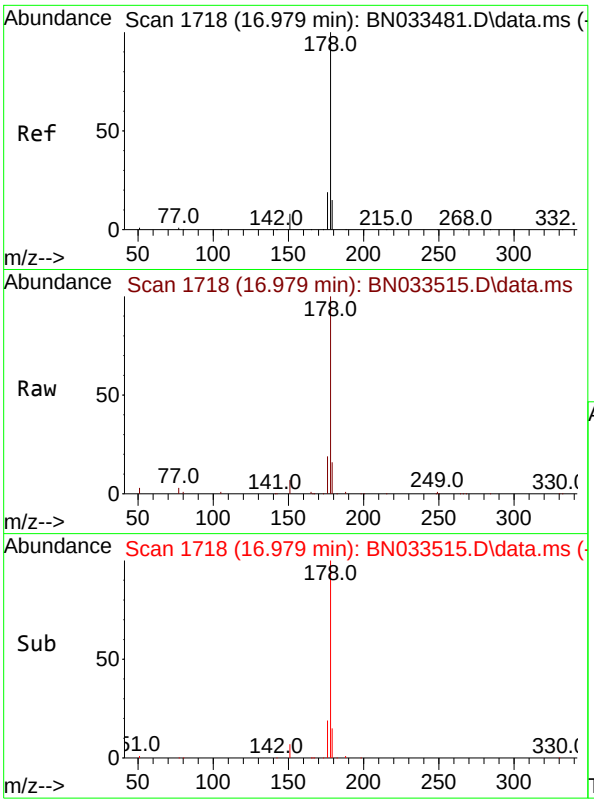


#24
Pentachlorophenol
Concen: 0.297 ng
RT: 16.594 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:266 Resp: 2081

Ion	Ratio	Lower	Upper
266	100		
264	62.0	51.9	77.9
268	63.7	51.0	76.4



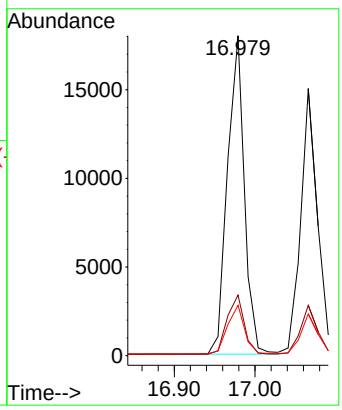


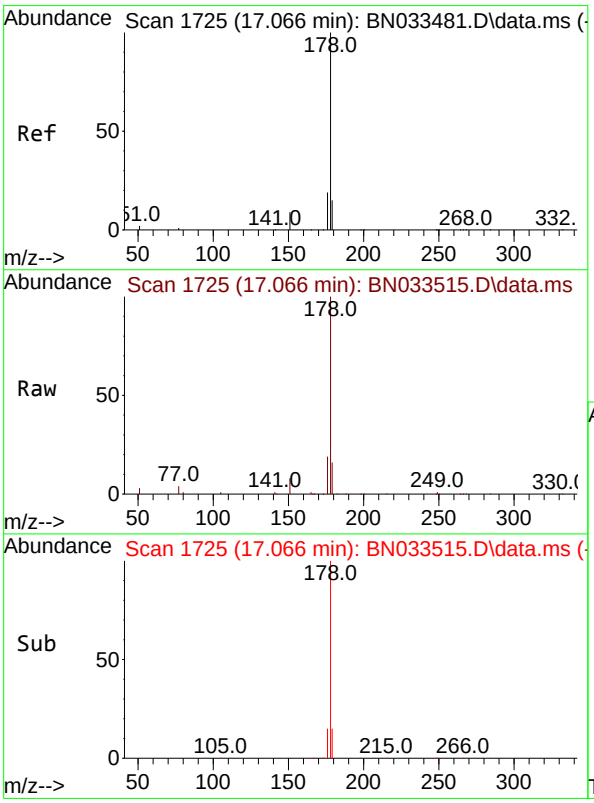
#25
Phenanthrene
Concen: 0.390 ng
RT: 16.979 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:178 Resp: 26120

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.3	18.5

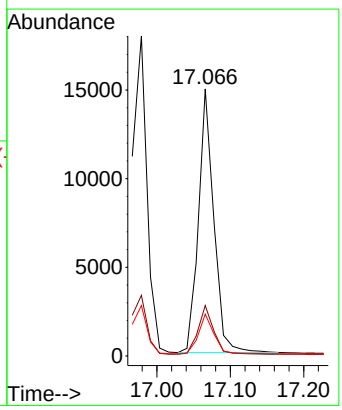


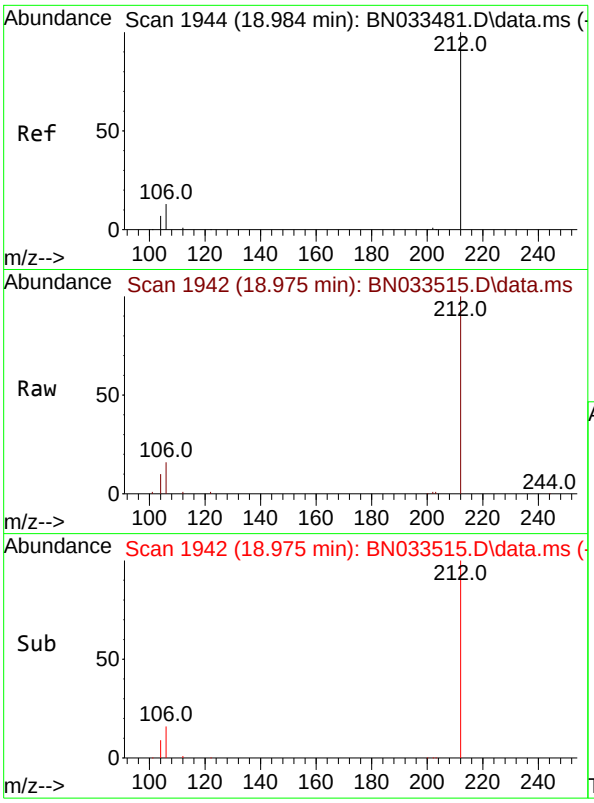


#26
Anthracene
Concen: 0.365 ng
RT: 17.066 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:178 Resp: 21646

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.2	12.4	18.6



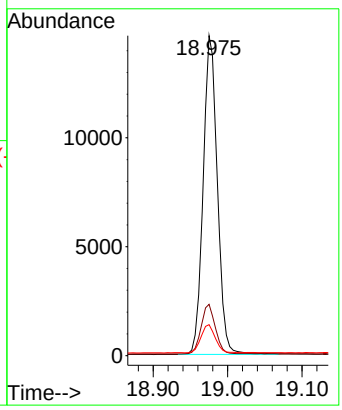


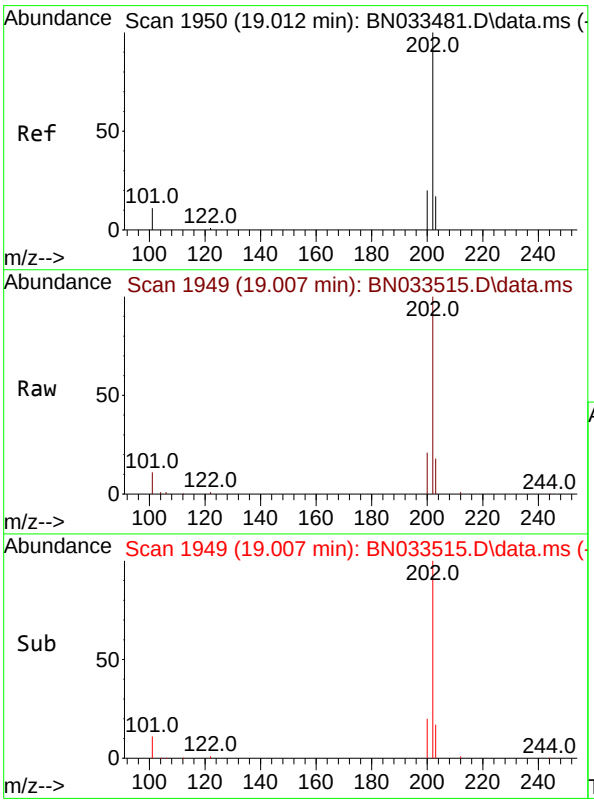
#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 18.975 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:212 Resp: 19455

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.3	18.5
104	8.8	7.0	10.4

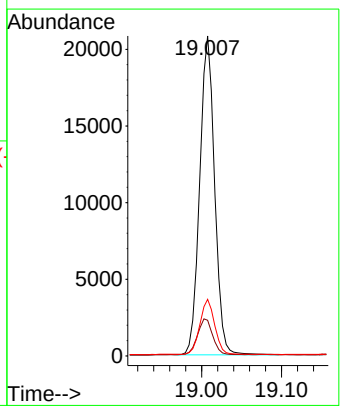


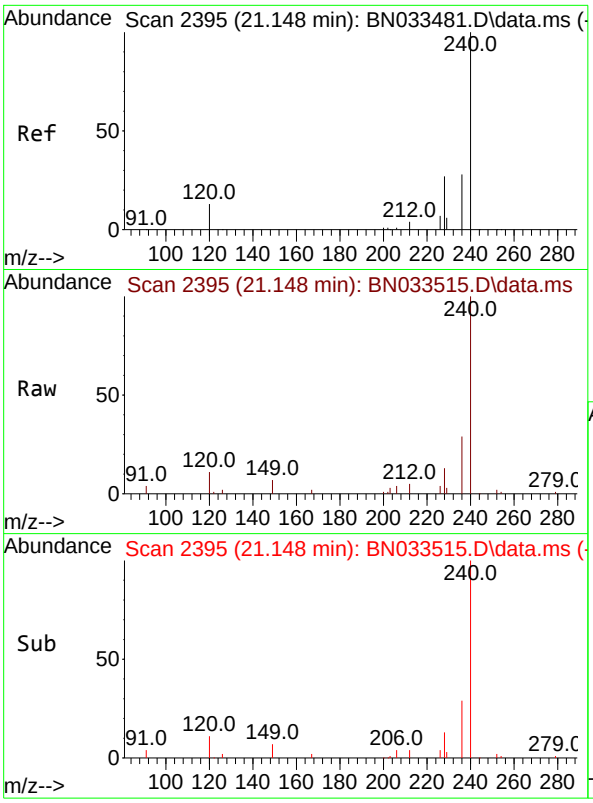


#28
Fluoranthene
Concen: 0.364 ng
RT: 19.007 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:202 Resp: 26931

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.5	14.3
203	17.1	13.8	20.6



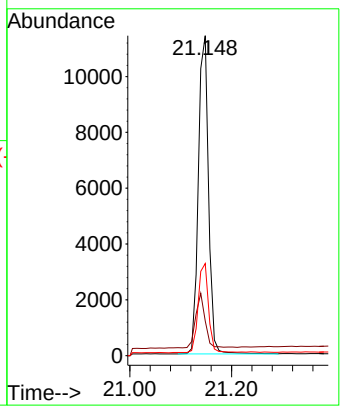


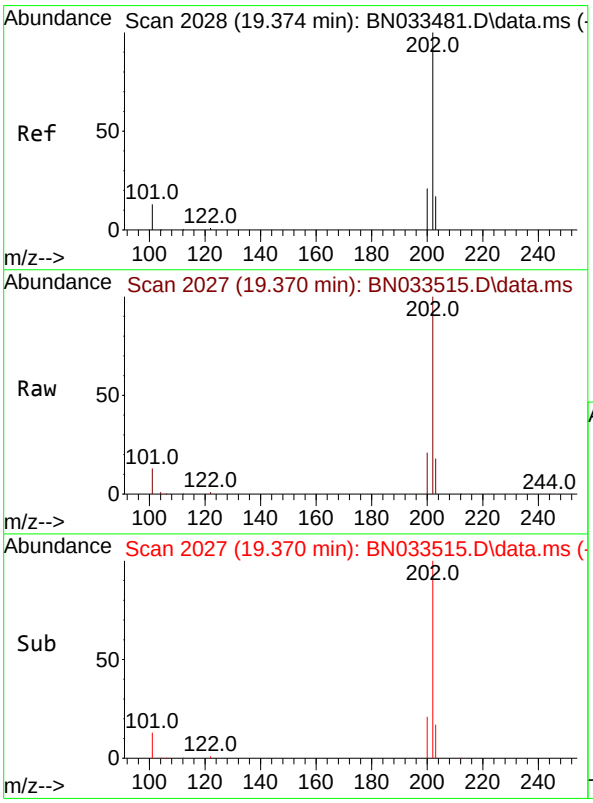
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:240 Resp: 15815

Ion	Ratio	Lower	Upper
240	100		
120	10.9	12.4	18.6#
236	28.8	23.0	34.6

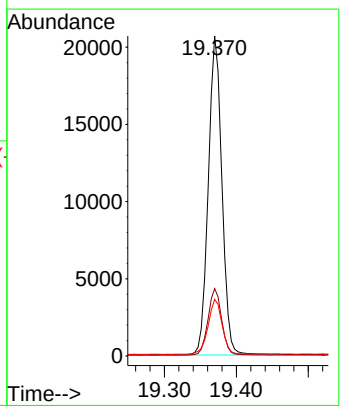


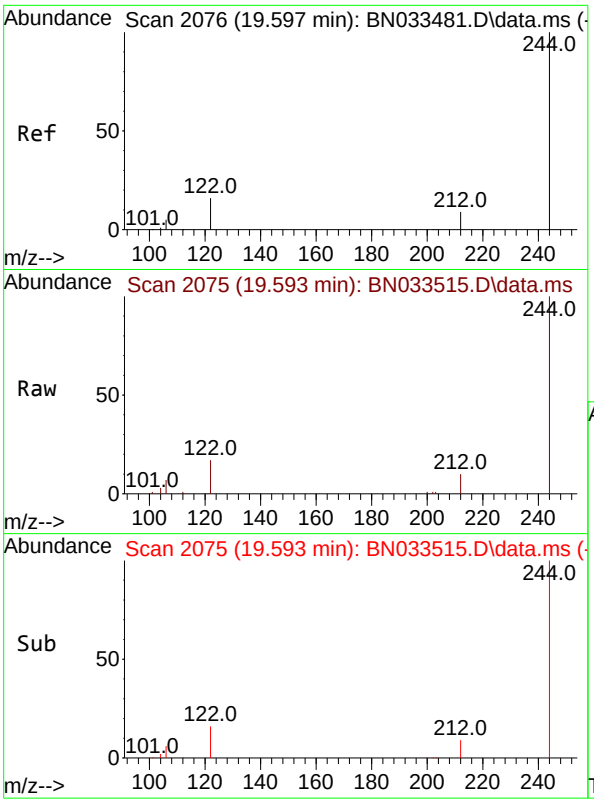


#30
Pyrene
Concen: 0.384 ng
RT: 19.370 min Scan# 2027
Delta R.T. -0.005 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:202 Resp: 27080

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	18.0	14.2	21.4



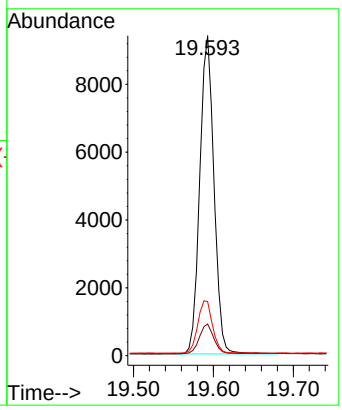


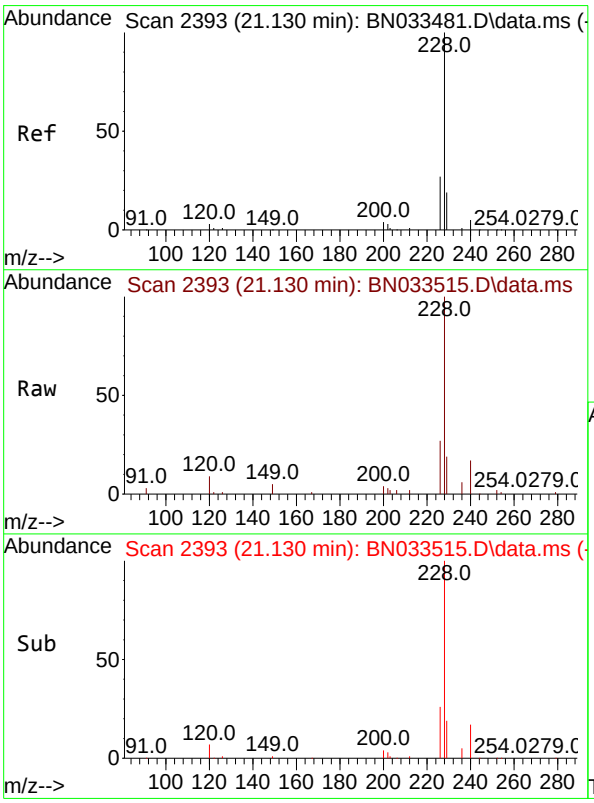
#31
Terphenyl-d14
Concen: 0.322 ng
RT: 19.593 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:244 Resp: 11564

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.8	11.6
122	16.9	13.3	19.9

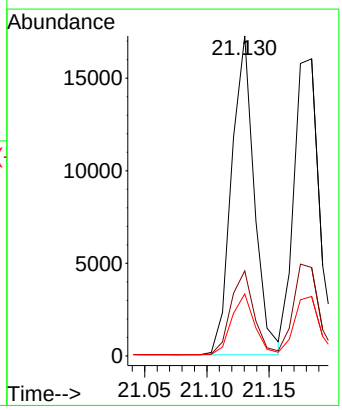


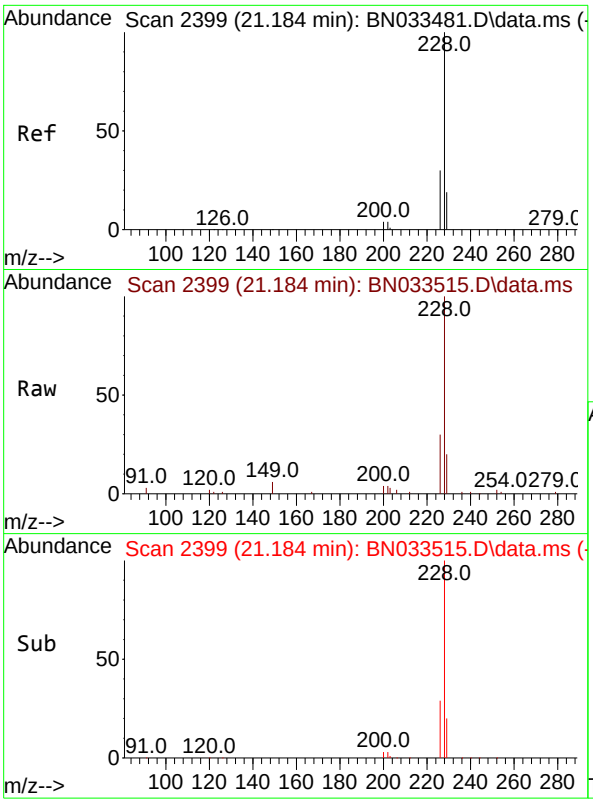


#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.130 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:228 Resp: 21895

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.6
229	19.4	15.8	23.6



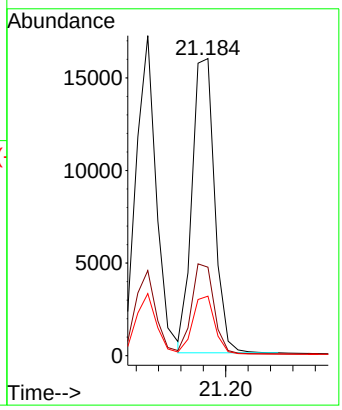


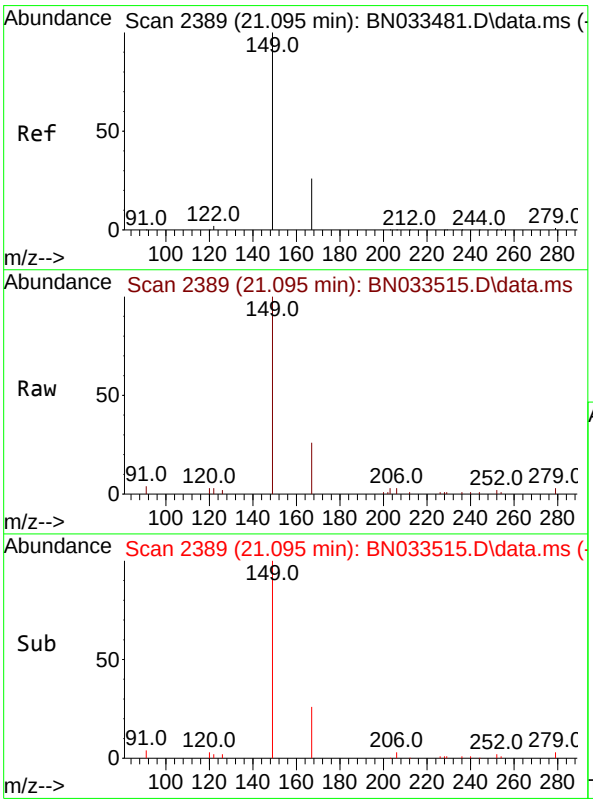
#33
Chrysene
Concen: 0.392 ng
RT: 21.184 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:228 Resp: 22293

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	20.0	15.6	23.4

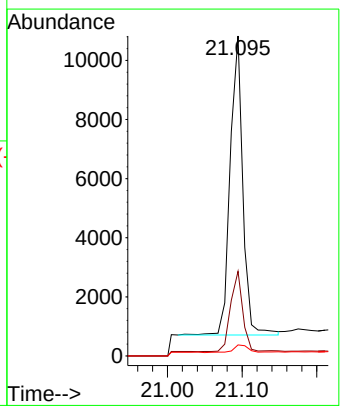


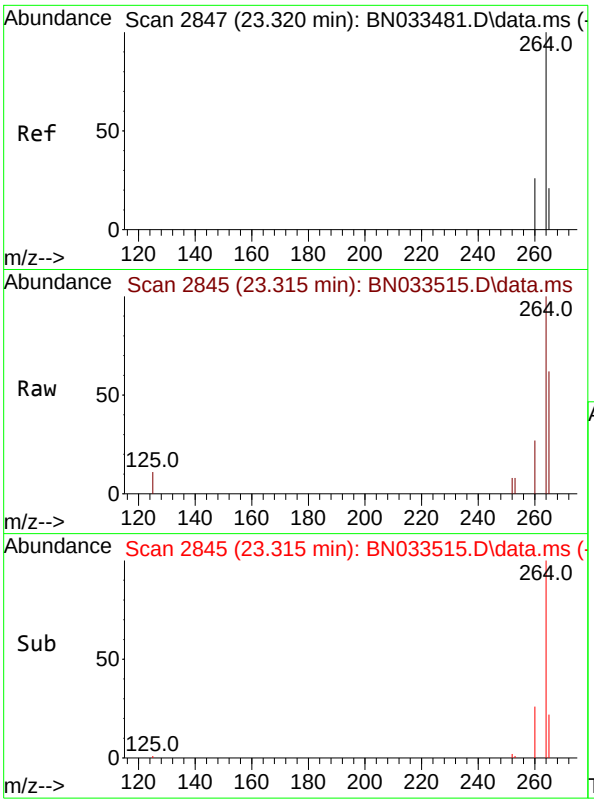


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.329 ng
RT: 21.095 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:149 Resp: 11914

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.5	32.3
279	2.5	2.2	3.2



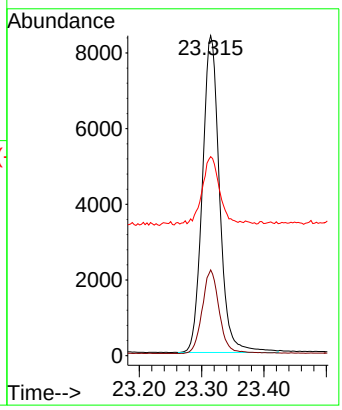


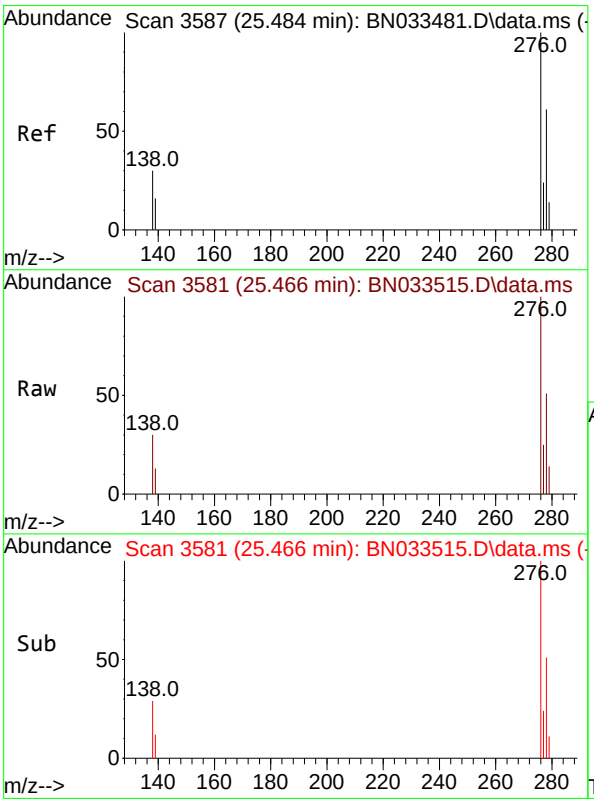
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.315 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:264 Resp: 16027

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.8	31.2
265	62.2	52.2	78.2

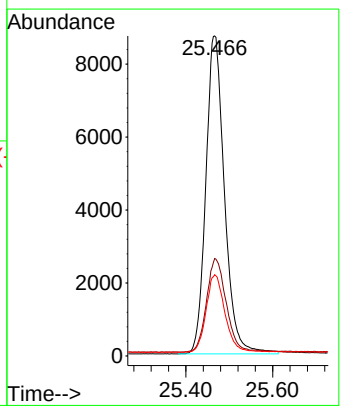


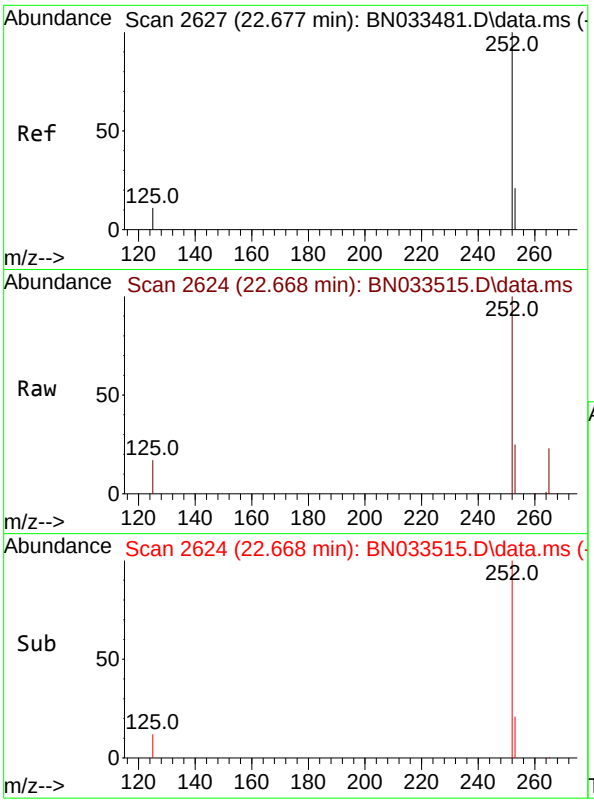


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 25.466 min Scan# 3581
Delta R.T. -0.018 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:276 Resp: 26068

Ion	Ratio	Lower	Upper
276	100		
138	31.1	24.4	36.6
277	24.5	19.8	29.6



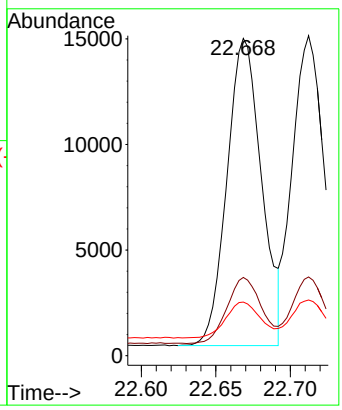


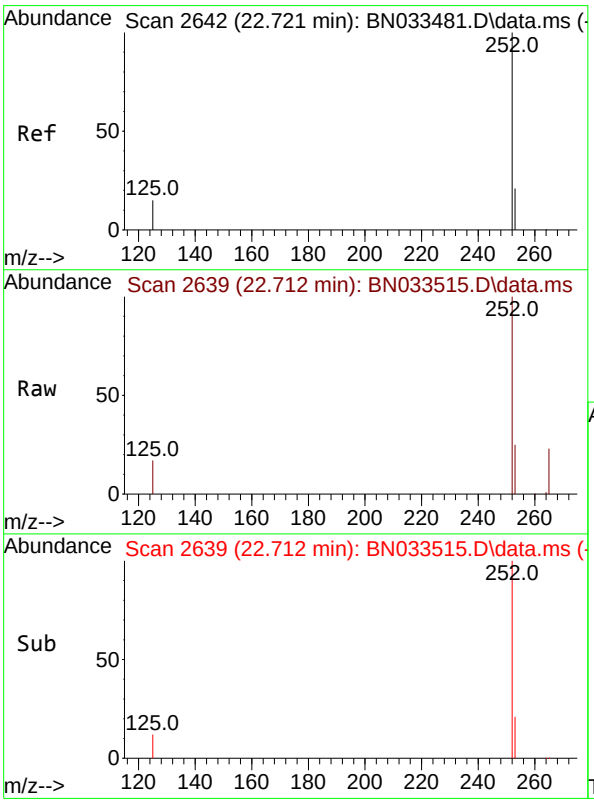
#37
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 22.668 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:252 Resp: 23458

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.8	29.8
125	16.9	13.9	20.9

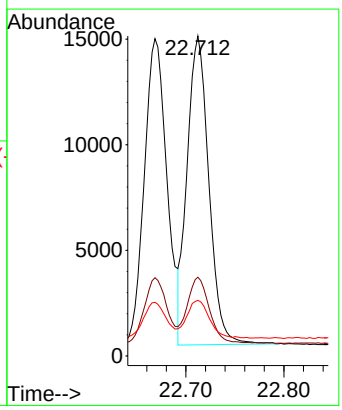


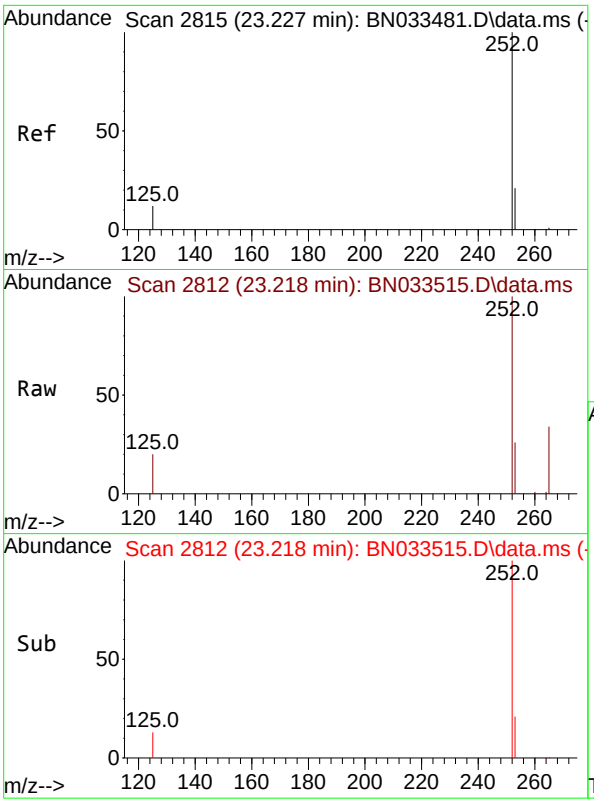


#38
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 22.712 min Scan# 2639
Delta R.T. -0.009 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:252 Resp: 22574

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.8	29.8
125	17.4	15.8	23.8



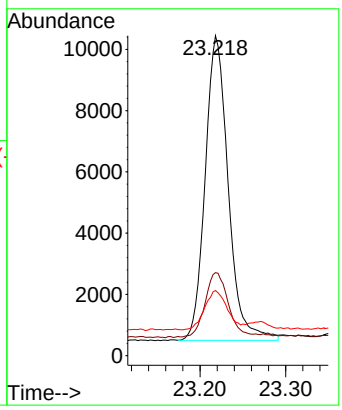


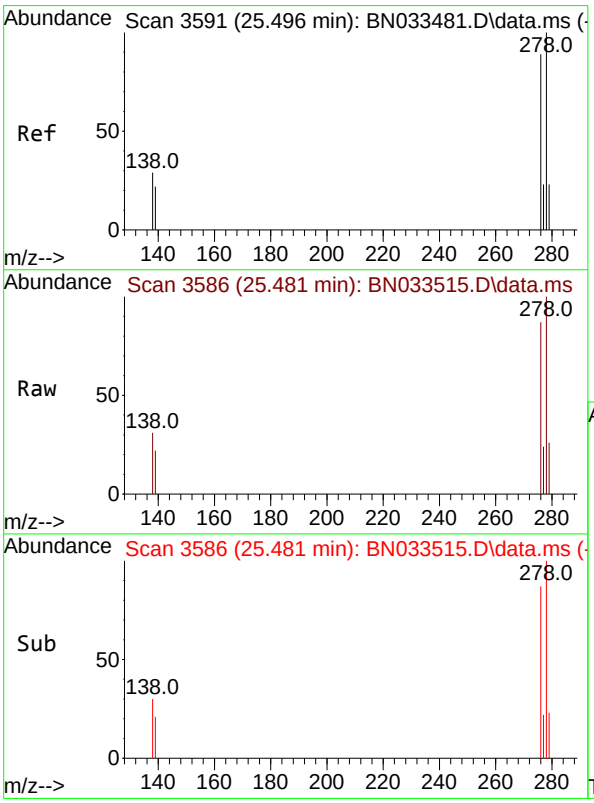
#39
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.218 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:252 Resp: 18586

Ion	Ratio	Lower	Upper
252	100		
253	25.9	21.5	32.3
125	20.3	17.0	25.4

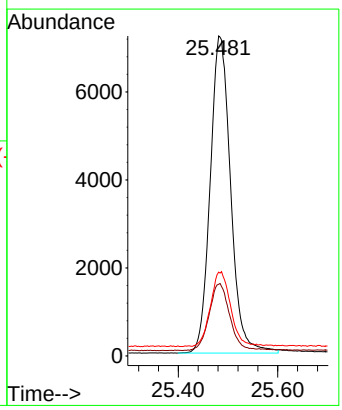


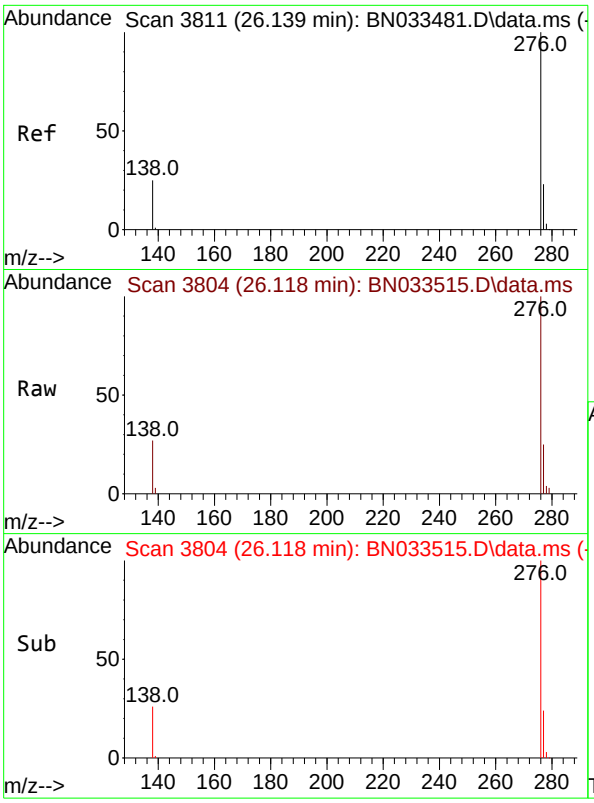


#40
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 25.481 min Scan# 3586
Delta R.T. -0.015 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Tgt Ion:278 Resp: 20586

Ion	Ratio	Lower	Upper
278	100		
139	22.4	19.1	28.7
279	26.2	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 26.118 min Scan# 3
Delta R.T. -0.020 min
Lab File: BN033515.D
Acq: 20 Aug 2024 20:40

Instrument :
BNA_N
ClientSampleId :
PB162851BS

Tgt Ion:276 Resp: 22404

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.7	29.5
138	27.2	21.8	32.6