Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080924\
Data File : BN033313.D
Acq On : 09 Aug 2024 11:28
Operator : MA/JU
Sample : PB162593BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Quant Time: Aug 09 12:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 08 04:39:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.587	152	3827	0.400	ng		0.00
7) Naphthalene-d8	10.349	136	10696	0.400	ng		# 0.00
13) Acenaphthene-d10	14.223	164	5951	0.400	ng		0.00
19) Phenanthrene-d10	16.970	188	14275	0.400	ng		# 0.00
29) Chrysene-d12	21.174	240	12386	0.400	ng		# 0.00
35) Perylene-d12	23.363	264	13252	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.204	112	3446	0.342	ng		0.00
5) Phenol-d6	6.756	99	4677	0.340	ng		0.00
8) Nitrobenzene-d5	8.715	82	2813	0.431	ng		0.00
11) 2-Methylnaphthalene-d10	11.947	152	6227	0.374	ng		0.00
14) 2,4,6-Tribromophenol	15.717	330	825	0.343	ng		0.00
15) 2-Fluorobiphenyl	12.844	172	10175	0.454	ng		0.00
27) Fluoranthene-d10	19.007	212	14290	0.364	ng		0.00
31) Terphenyl-d14	19.629	244	8366	0.392	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	1683	0.397	ng		91
3) n-Nitrosodimethylamine	3.492	42	2294	0.426	ng	#	85
6) bis(2-Chloroethyl)ether	7.024	93	4639	0.394	ng		96
9) Naphthalene	10.402	128	12234	0.407	ng		98
10) Hexachlorobutadiene	10.701	225	2428	0.440	ng	#	98
12) 2-Methylnaphthalene	12.023	142	8041	0.389	ng		99
16) Acenaphthylene	13.934	152	11440	0.394	ng		100
17) Acenaphthene	14.276	154	7916	0.429	ng		97
18) Fluorene	15.271	166	10320	0.419	ng		100
20) 4,6-Dinitro-2-methylph...	15.345	198	529	0.518	ng	#	51
21) 4-Bromophenyl-phenylether	16.176	248	3508	0.405	ng	#	86
22) Hexachlorobenzene	16.275	284	4041	0.444	ng		96
23) Atrazine	16.449	200	2267	0.317	ng	#	93
24) Pentachlorophenol	16.623	266	1083	0.340	ng		100
25) Phenanthrene	17.008	178	16905	0.409	ng		99
26) Anthracene	17.095	178	14587	0.363	ng		100
28) Fluoranthene	19.039	202	20292	0.389	ng		100
30) Pyrene	19.402	202	20711	0.425	ng		100
32) Benzo(a)anthracene	21.157	228	17896	0.372	ng		99
33) Chrysene	21.210	228	20065	0.431	ng		99
34) Bis(2-ethylhexyl)phtha...	21.139	149	6645	0.267	ng		99
36) Indeno(1,2,3-cd)pyrene	25.547	276	21759	0.375	ng		96
37) Benzo(b)fluoranthene	22.714	252	19594	0.398	ng		98
38) Benzo(k)fluoranthene	22.755	252	20817	0.435	ng		99
39) Benzo(a)pyrene	23.267	252	16072	0.367	ng		97
40) Dibenzo(a,h)anthracene	25.565	278	17286	0.378	ng		97
41) Benzo(g,h,i)perylene	26.197	276	20116	0.404	ng		97

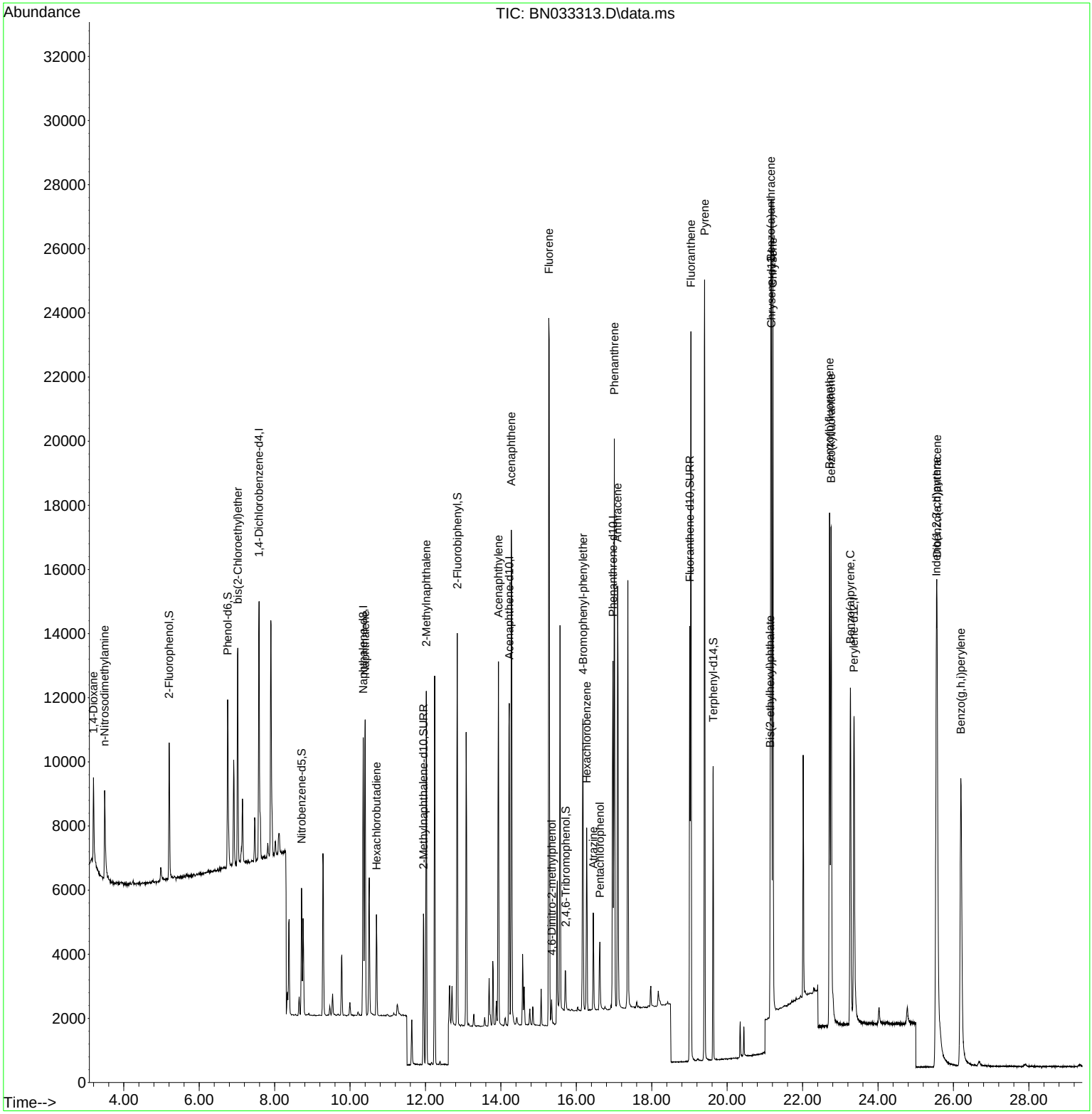
(#) = qualifier out of range (m) = manual integration (+) = signals summed

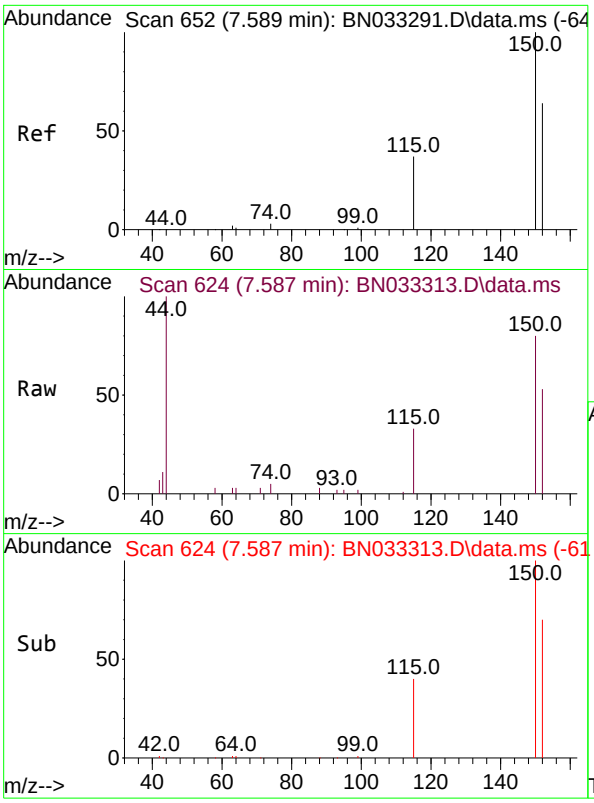
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080924\
Data File : BN033313.D
Acq On : 09 Aug 2024 11:28
Operator : MA/JU
Sample : PB162593BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Quant Time: Aug 09 12:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 08 04:39:01 2024
Response via : Initial Calibration



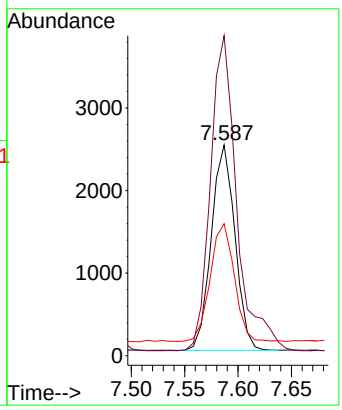


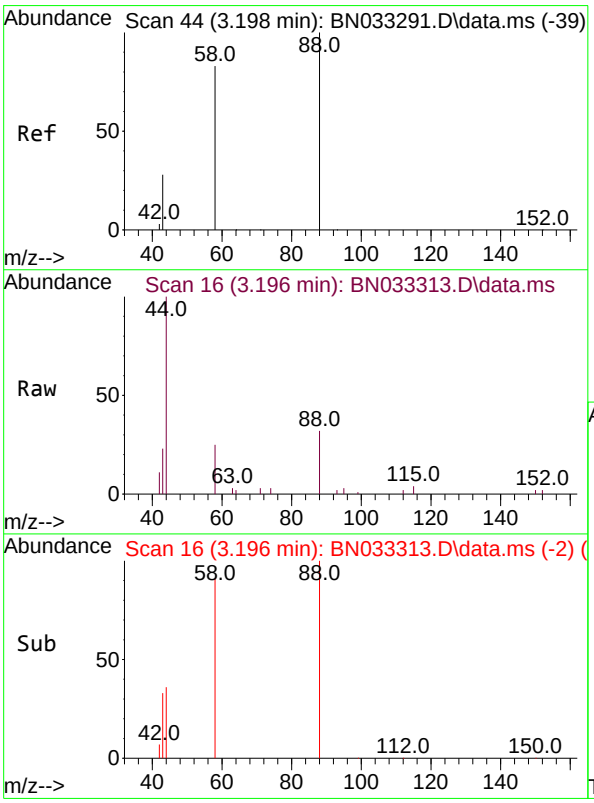
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.587 min Scan# 6
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:152 Resp: 3827

Ion	Ratio	Lower	Upper
152	100		
150	151.9	120.7	181.1
115	62.7	55.8	83.8

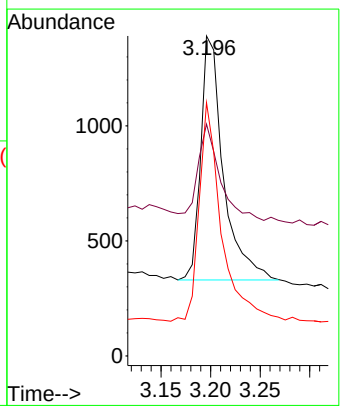


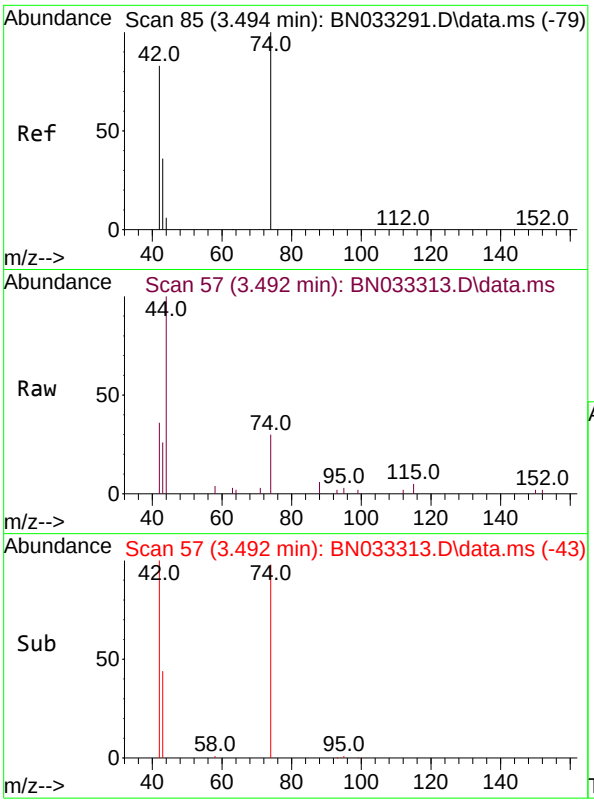


#2
1,4-Dioxane
Concen: 0.397 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion: 88 Resp: 1683

Ion	Ratio	Lower	Upper
88	100		
43	38.6	37.0	55.6
58	87.9	65.1	97.7



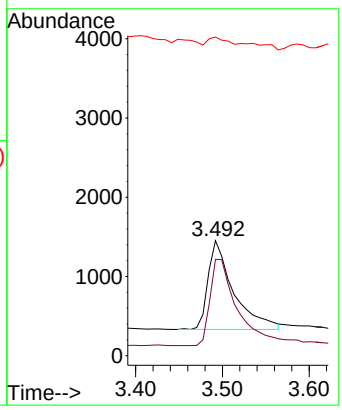


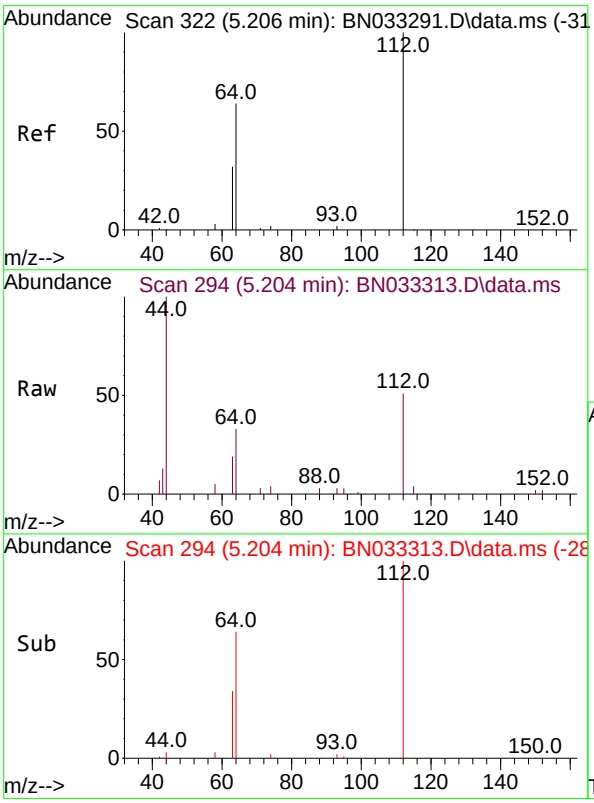
#3
n-Nitrosodimethylamine
Concen: 0.426 ng
RT: 3.492 min Scan# 5
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion: 42 Resp: 2294

Ion	Ratio	Lower	Upper
42	100		
74	102.9	94.9	142.3
44	19.5	7.0	10.4#

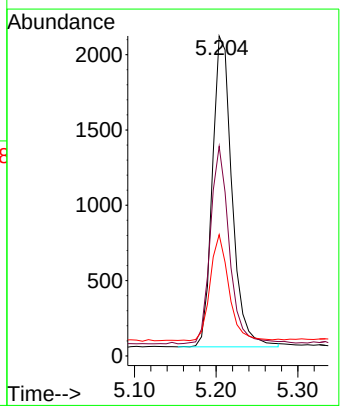


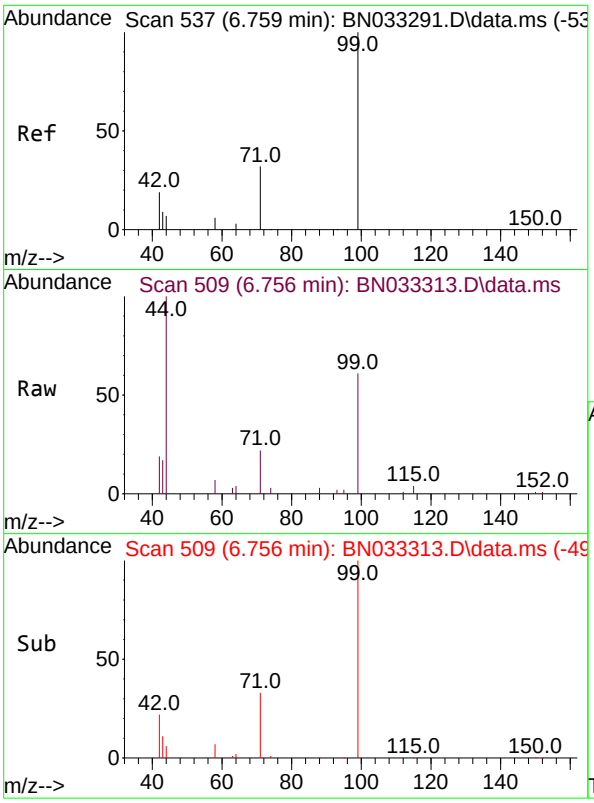


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.204 min Scan# 294
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:112 Resp: 3446

Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.7	73.1
63	32.2	25.4	38.2



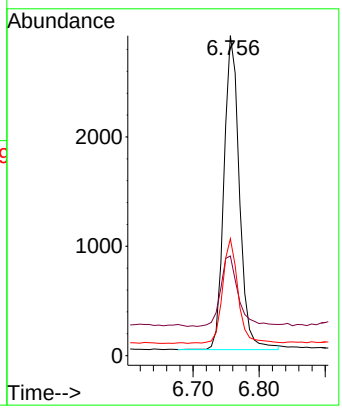


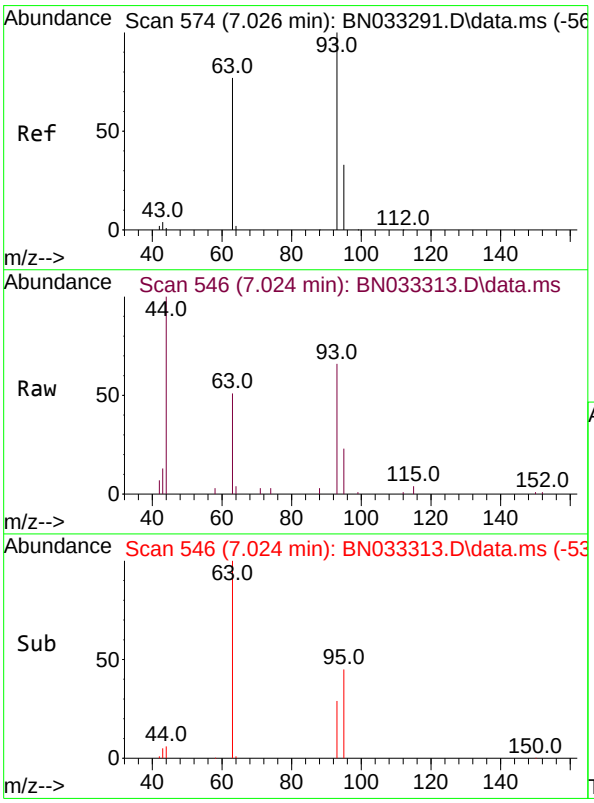
#5
Phenol-d6
Concen: 0.340 ng
RT: 6.756 min Scan# 5(
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion: 99 Resp: 4677

Ion	Ratio	Lower	Upper
99	100		
42	25.7	19.3	28.9
71	33.4	27.6	41.4

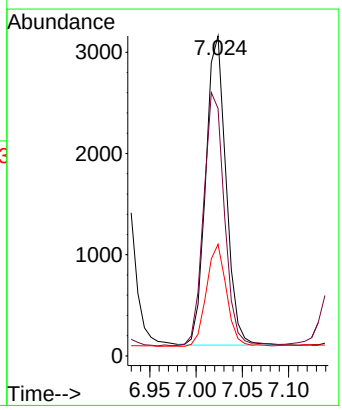


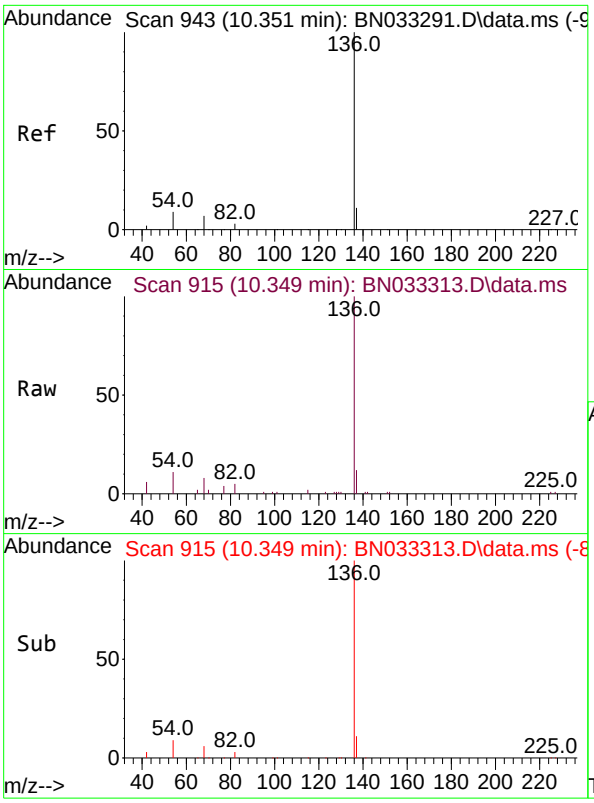


#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.024 min Scan# 546
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion: 93 Resp: 4639

Ion	Ratio	Lower	Upper
93	100		
63	84.9	64.5	96.7
95	32.7	26.6	39.8



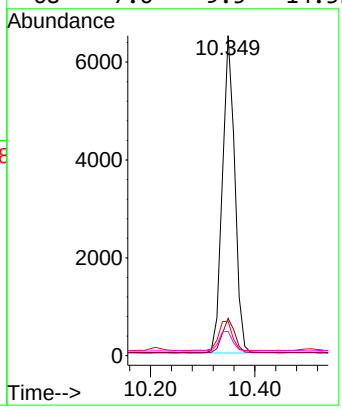


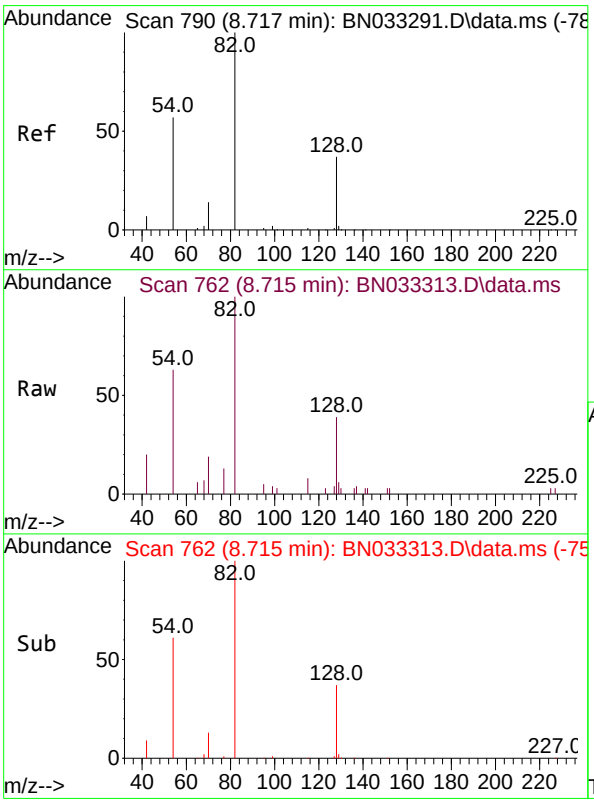
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.349 min Scan# 9
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:136 Resp: 10696

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.9	14.9
54	10.8	11.4	17.2#
68	7.6	9.5	14.3#

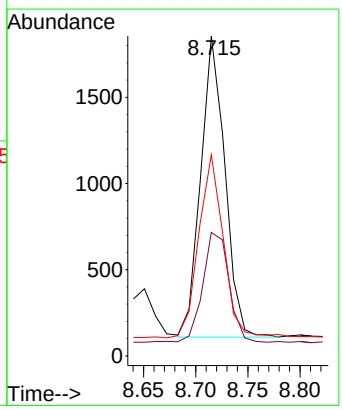


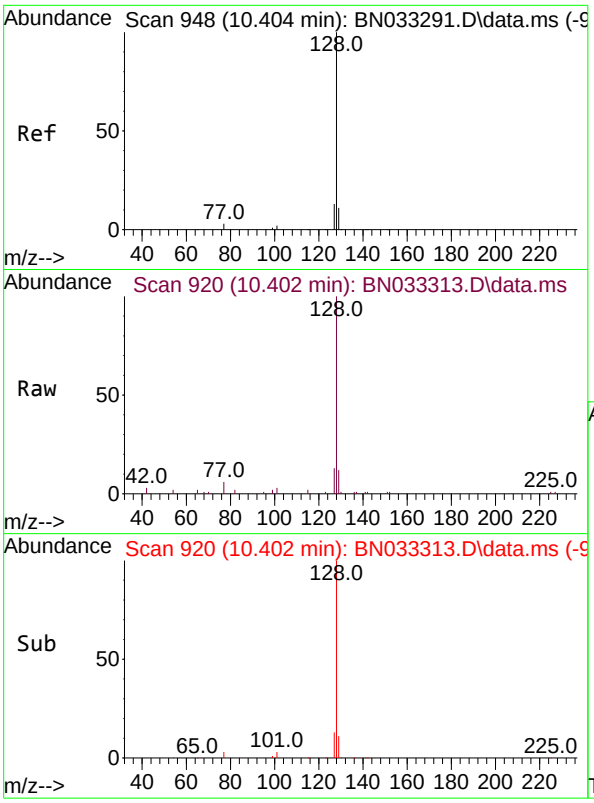


#8
Nitrobenzene-d5
Concen: 0.431 ng
RT: 8.715 min Scan# 762
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion: 82 Resp: 2813

Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.4	44.2
54	62.8	50.0	75.0



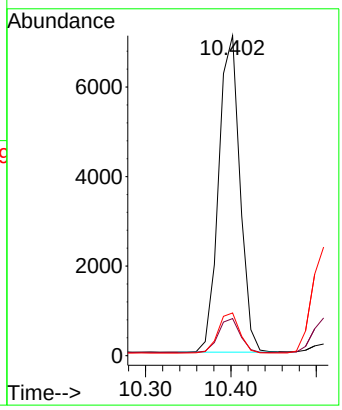


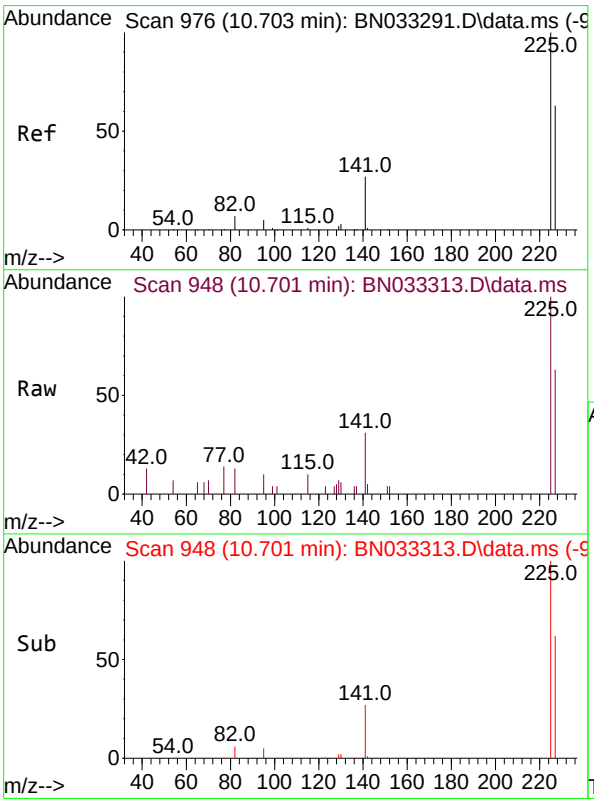
#9
Naphthalene
Concen: 0.407 ng
RT: 10.402 min Scan# 9
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:128 Resp: 12234

Ion	Ratio	Lower	Upper
128	100		
129	11.6	10.1	15.1
127	13.4	11.4	17.2

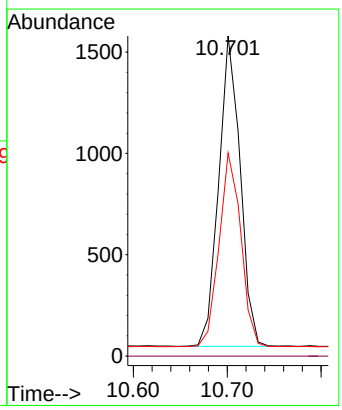


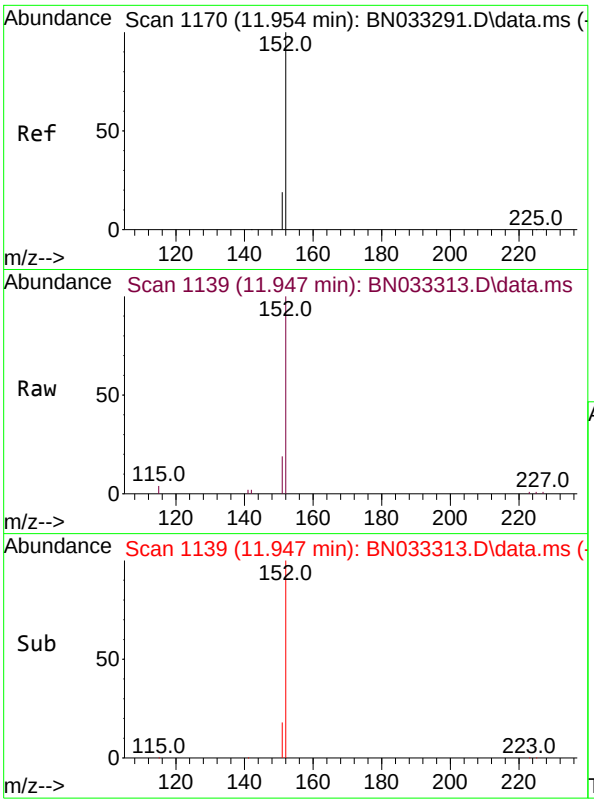


#10
Hexachlorobutadiene
Concen: 0.440 ng
RT: 10.701 min Scan# 948
Delta R.T. -0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:225 Resp: 2428

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.8	77.6



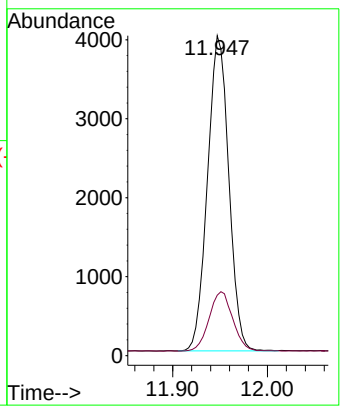


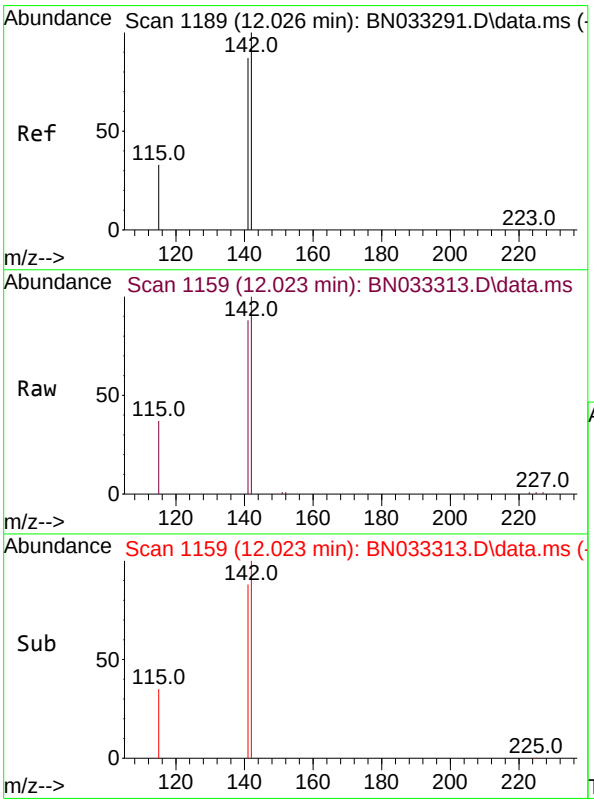
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 11.947 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:152 Resp: 6227

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.7	25.1

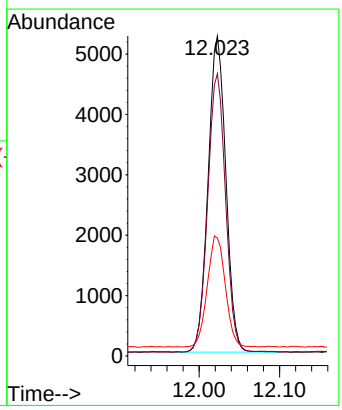


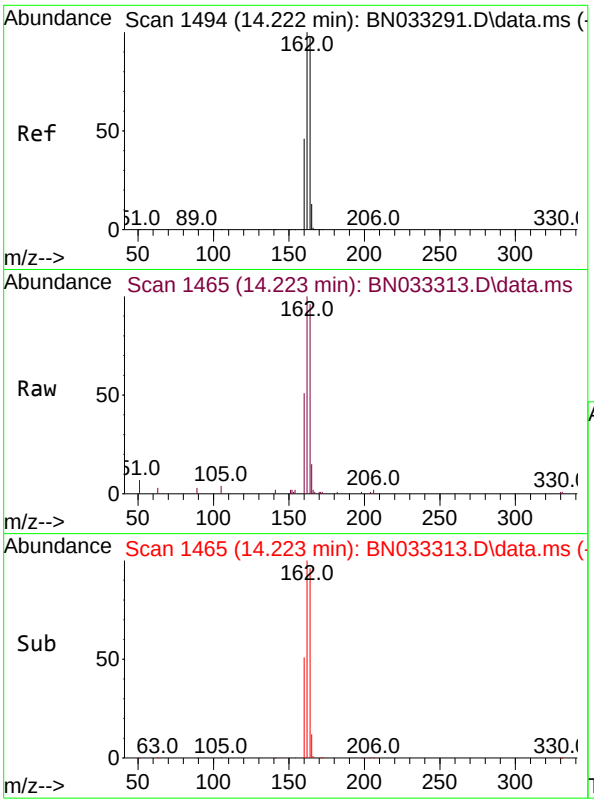


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.023 min Scan# 1159
Delta R.T. -0.003 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:142 Resp: 8041

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.5	105.7
115	36.8	30.3	45.5



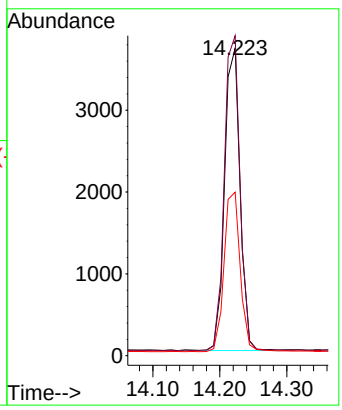


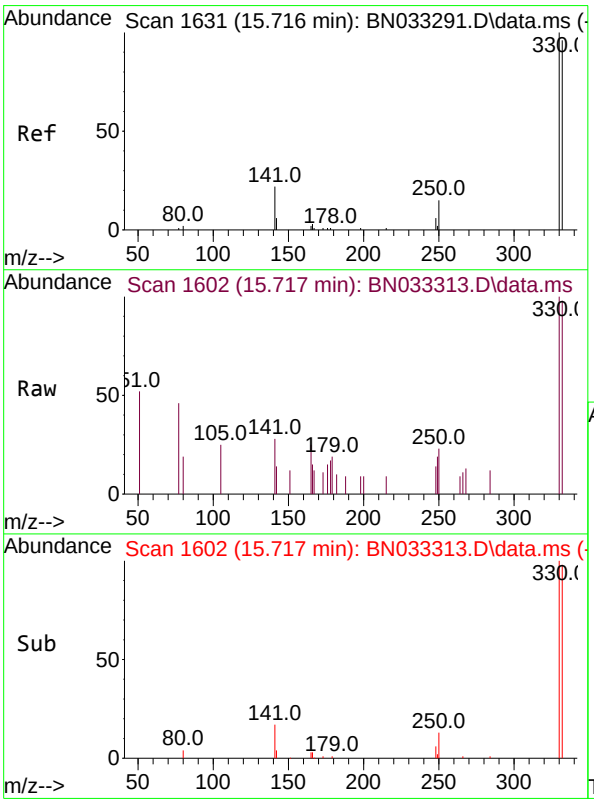
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.223 min Scan# 14
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:164 Resp: 5951

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	124.0
160	53.2	38.2	57.4

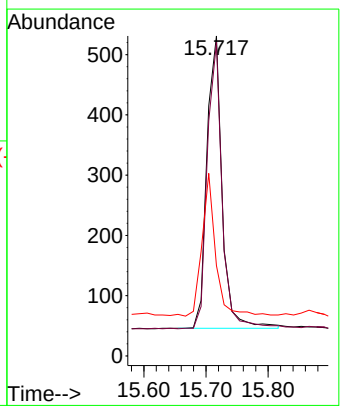


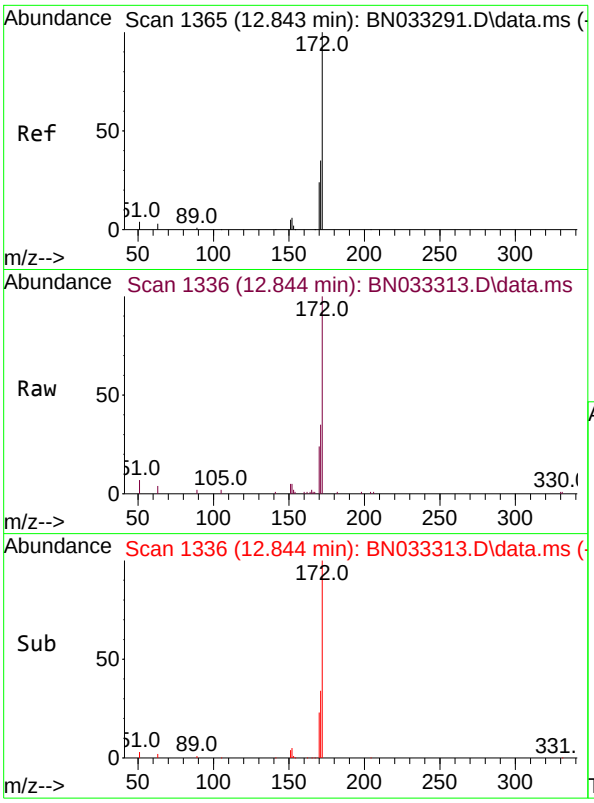


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.717 min Scan# 1602
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:330 Resp: 825

Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.6	113.4
141	43.0	31.0	46.4



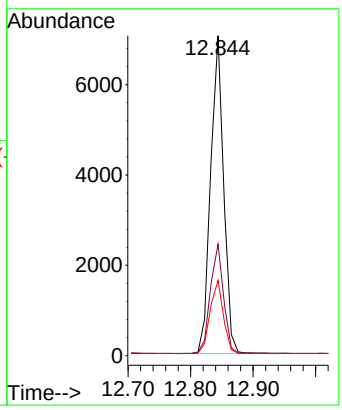


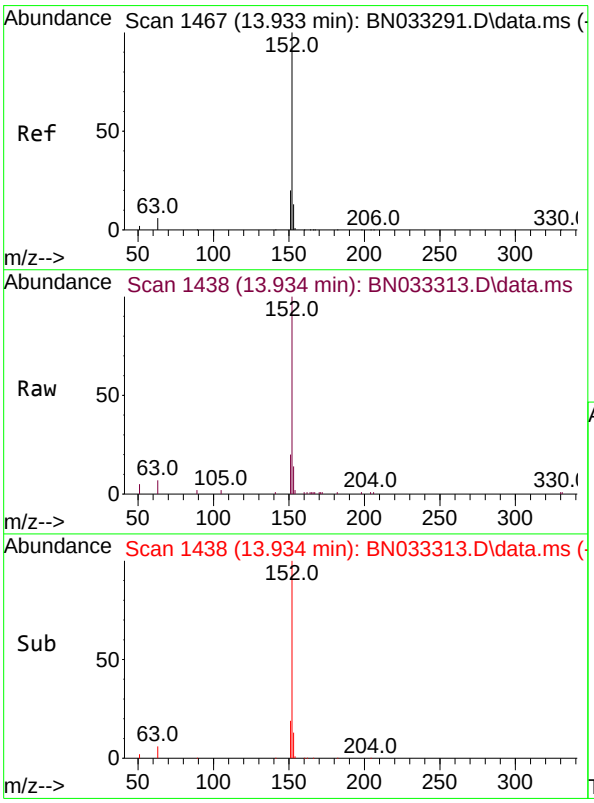
#15
2-Fluorobiphenyl
Concen: 0.454 ng
RT: 12.844 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:172 Resp: 10175

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	23.5	19.4	29.2

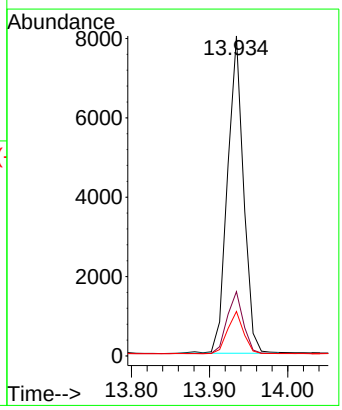


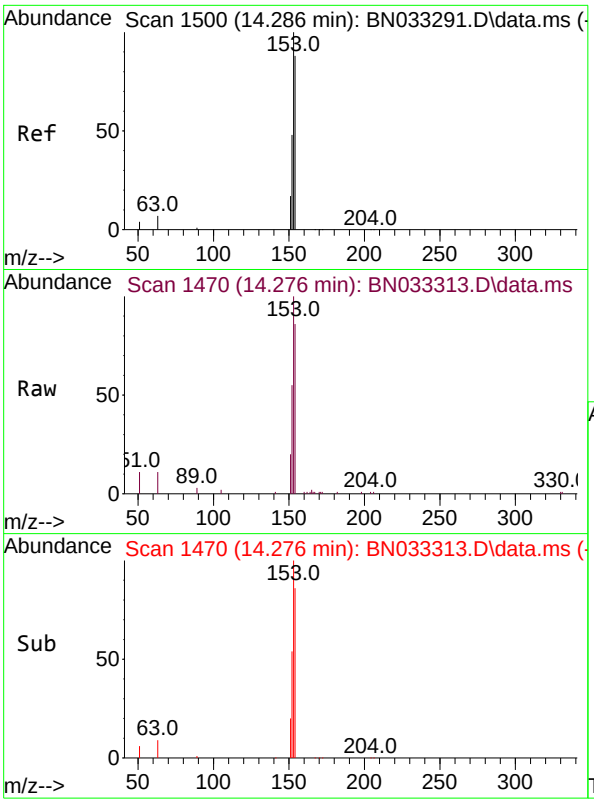


#16
Acenaphthylene
Concen: 0.394 ng
RT: 13.934 min Scan# 1438
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:152 Resp: 11440

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.3	15.5



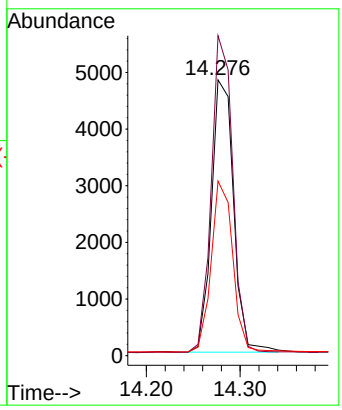


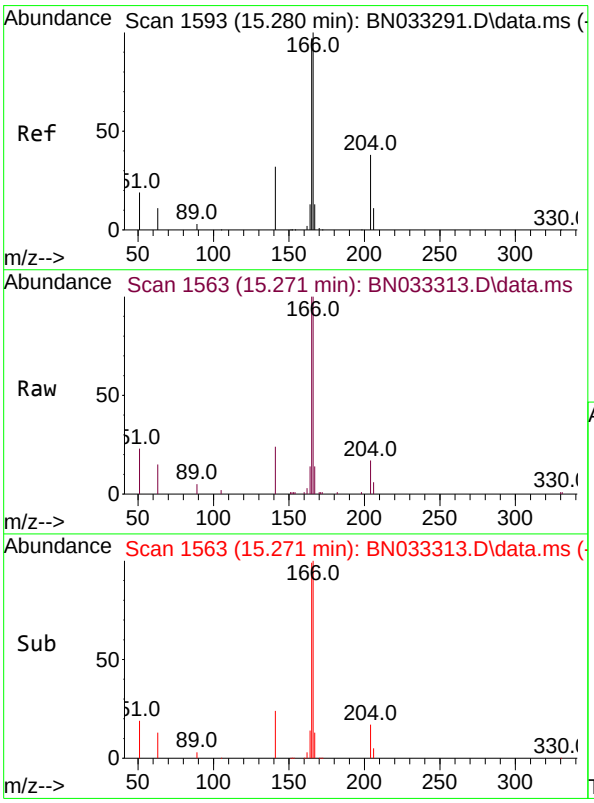
#17
Acenaphthene
Concen: 0.429 ng
RT: 14.276 min Scan# 14
Delta R.T. -0.010 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:154 Resp: 7916

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.5	134.3
152	60.7	43.6	65.4

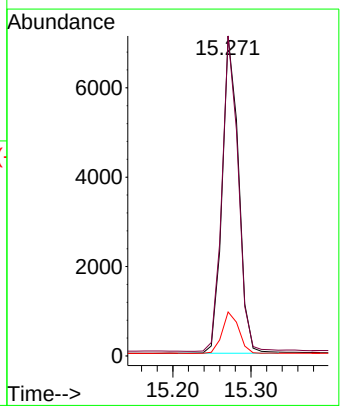


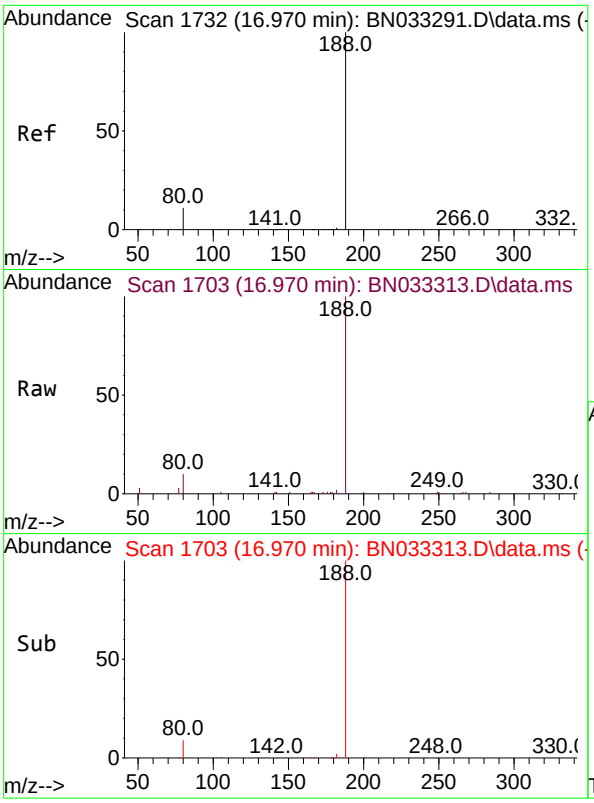


#18
Fluorene
Concen: 0.419 ng
RT: 15.271 min Scan# 1563
Delta R.T. -0.010 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:166 Resp: 10320

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.9	118.3
167	13.4	10.6	16.0



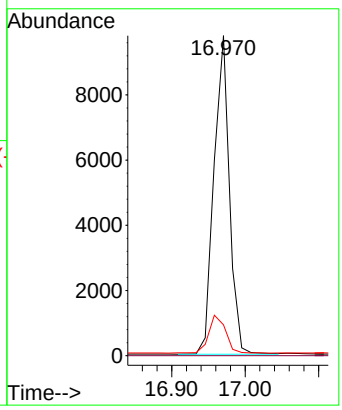


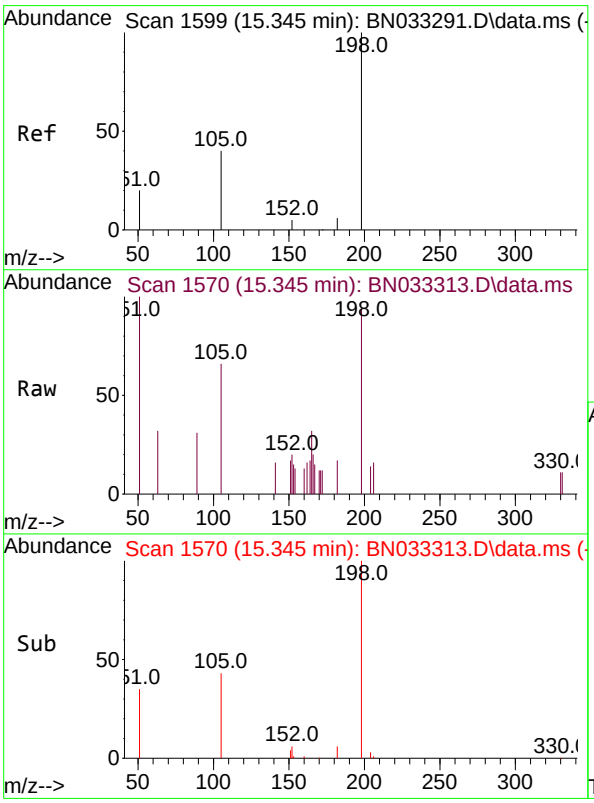
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.970 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:188 Resp: 14275

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	10.5	15.7#

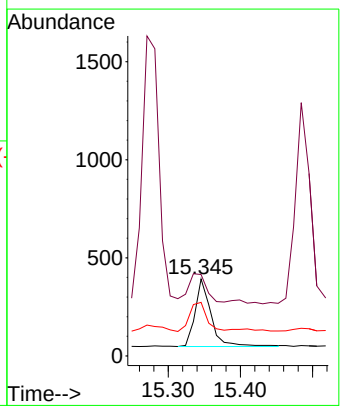


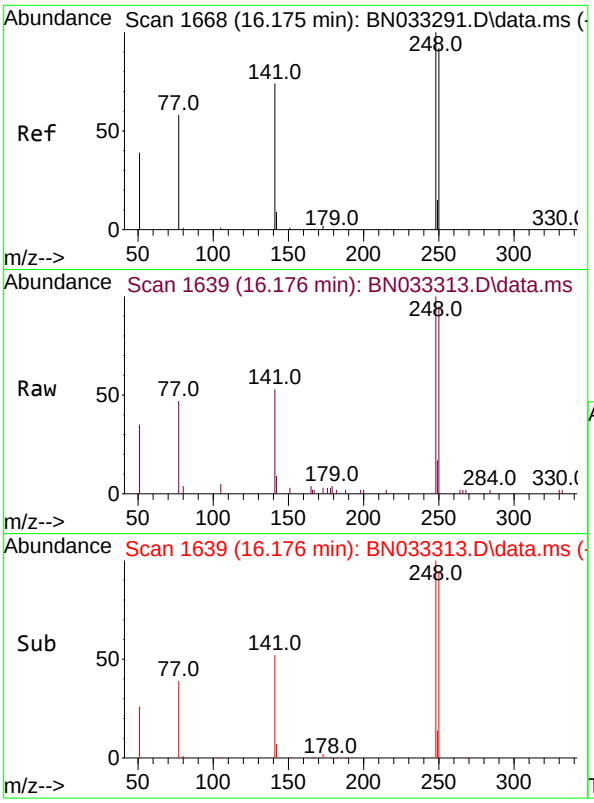


#20
4,6-Dinitro-2-methylphenol
Concen: 0.518 ng
RT: 15.345 min Scan# 1570
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:198 Resp: 529

Ion	Ratio	Lower	Upper
198	100		
51	105.9	127.9	191.9#
105	69.6	112.3	168.5#



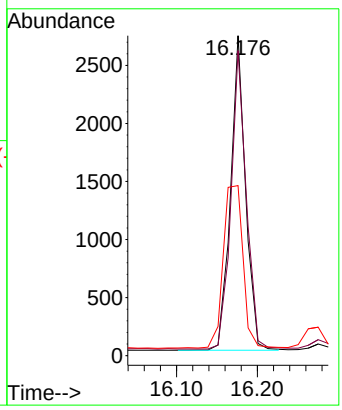


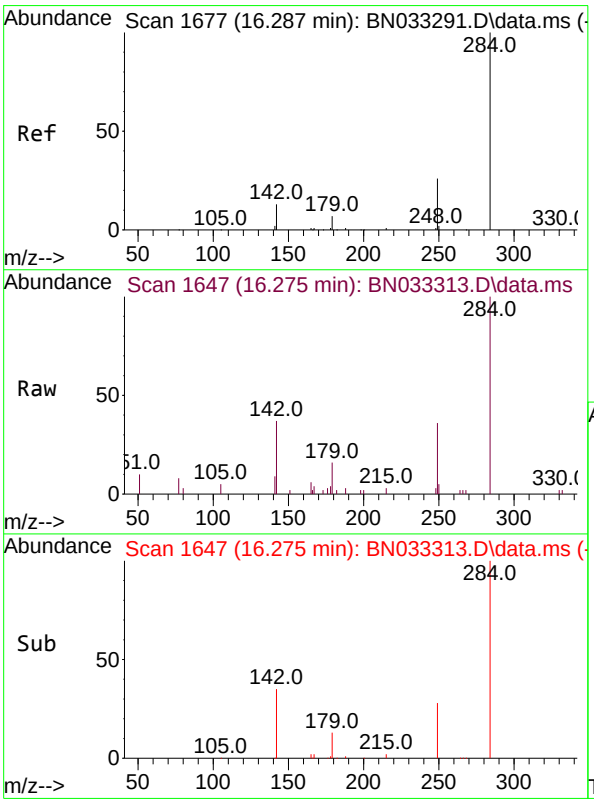
#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 16.176 min Scan# 1(
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:248 Resp: 3508

Ion	Ratio	Lower	Upper
248	100		
250	95.4	74.6	112.0
141	53.2	62.2	93.2#

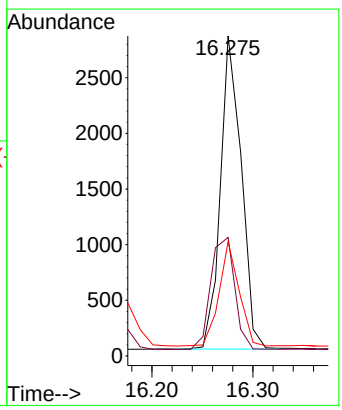


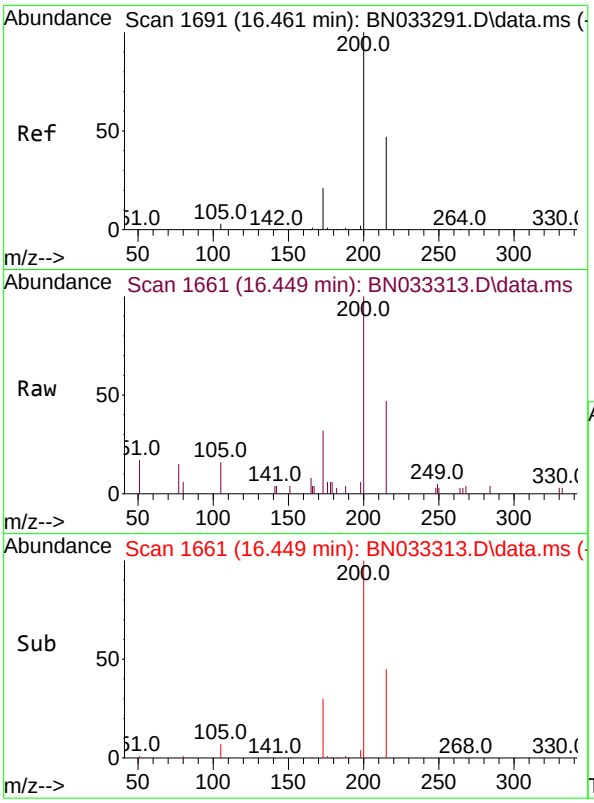


#22
Hexachlorobenzene
Concen: 0.444 ng
RT: 16.275 min Scan# 1647
Delta R.T. -0.012 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:284 Resp: 4041

Ion	Ratio	Lower	Upper
284	100		
142	41.3	30.6	45.8
249	31.7	24.6	36.8



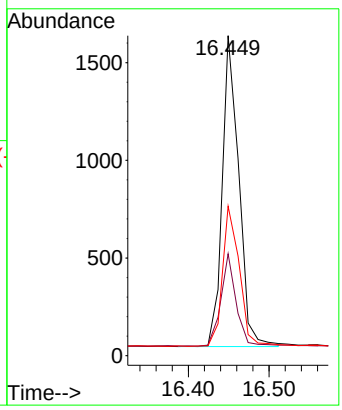


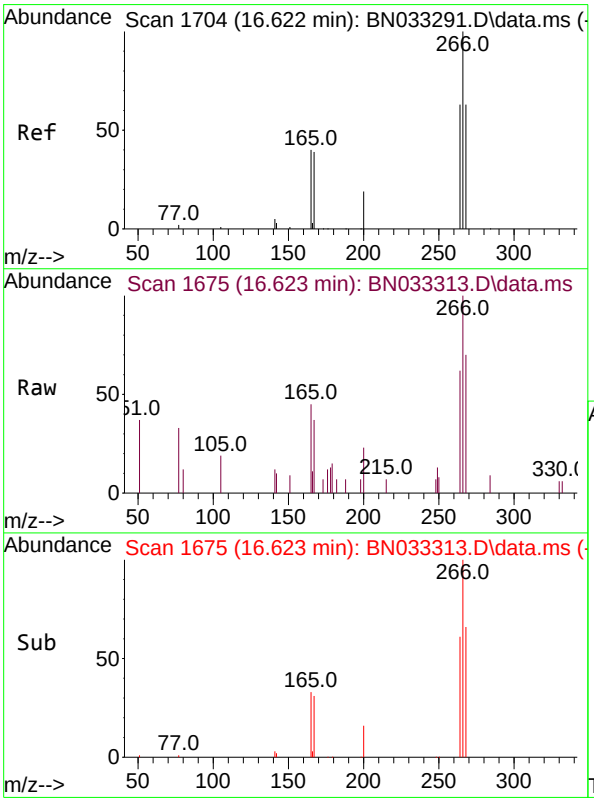
#23
Atrazine
Concen: 0.317 ng
RT: 16.449 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:200 Resp: 2267

Ion	Ratio	Lower	Upper
200	100		
173	31.9	18.9	28.3#
215	46.7	38.6	57.8

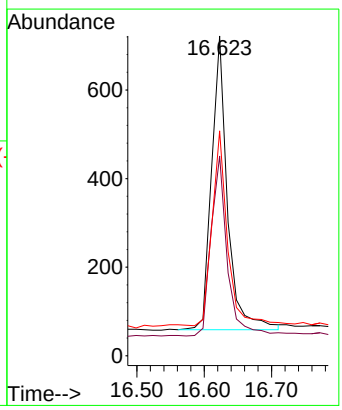


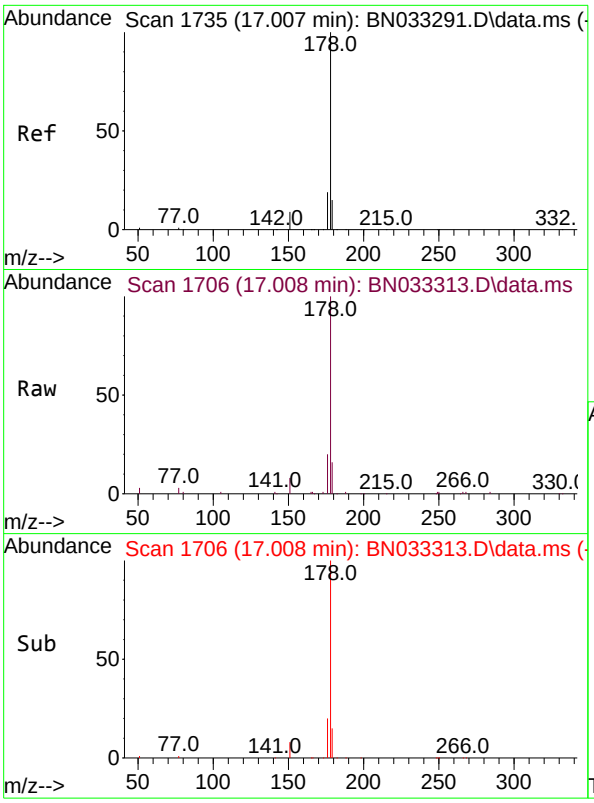


#24
Pentachlorophenol
Concen: 0.340 ng
RT: 16.623 min Scan# 1675
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:266 Resp: 1083

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.3	75.5
268	64.1	51.0	76.4



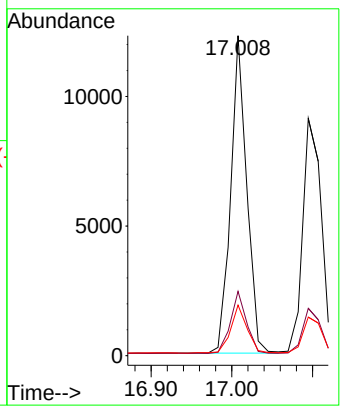


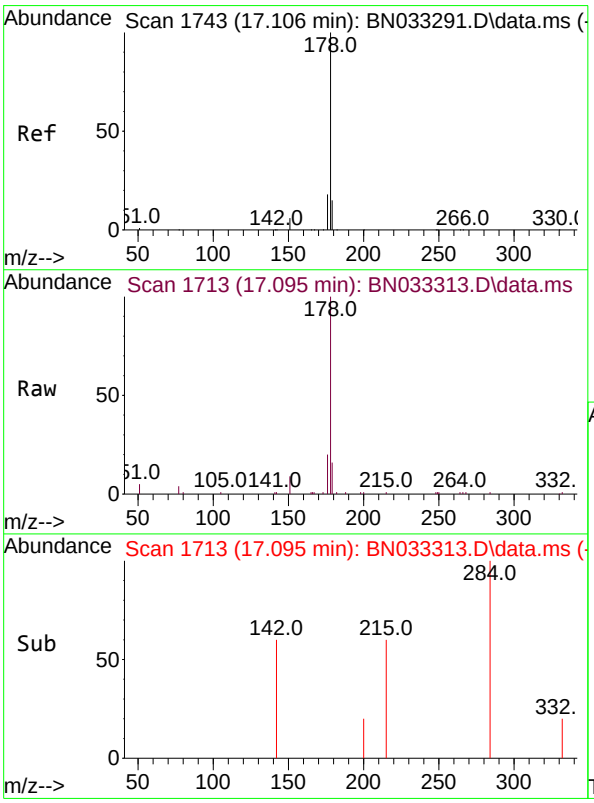
#25
Phenanthrene
Concen: 0.409 ng
RT: 17.008 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:178 Resp: 16905

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.3	12.0	18.0

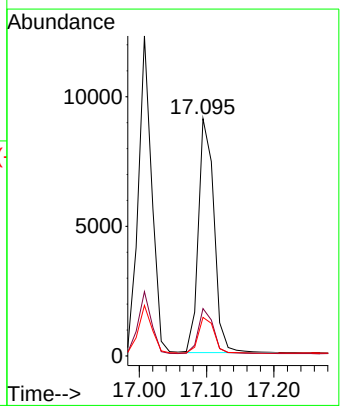


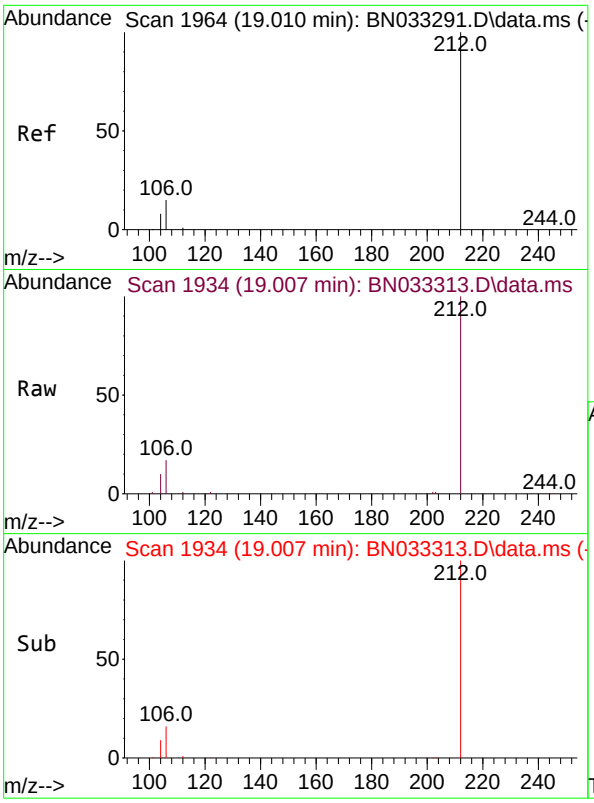


#26
Anthracene
Concen: 0.363 ng
RT: 17.095 min Scan# 1713
Delta R.T. -0.012 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:178 Resp: 14587

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.2	18.4



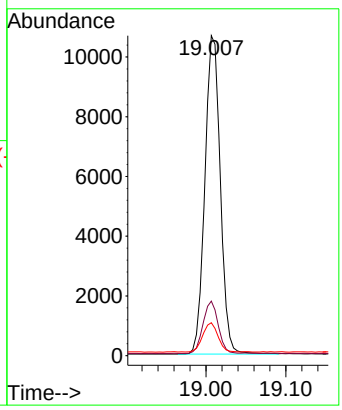


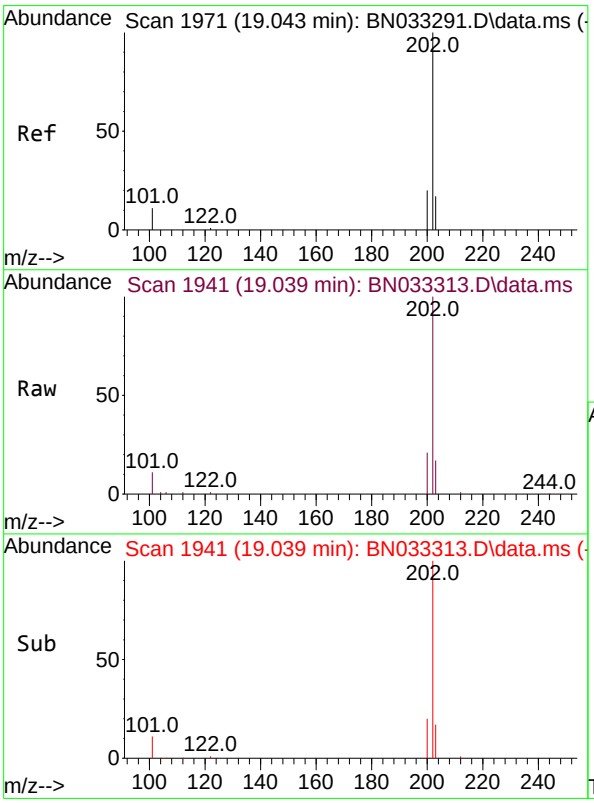
#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.007 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:212 Resp: 14290

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.2	18.4
104	8.9	6.9	10.3

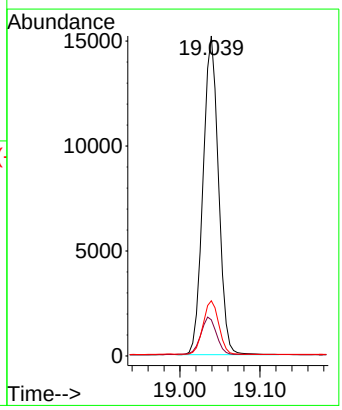


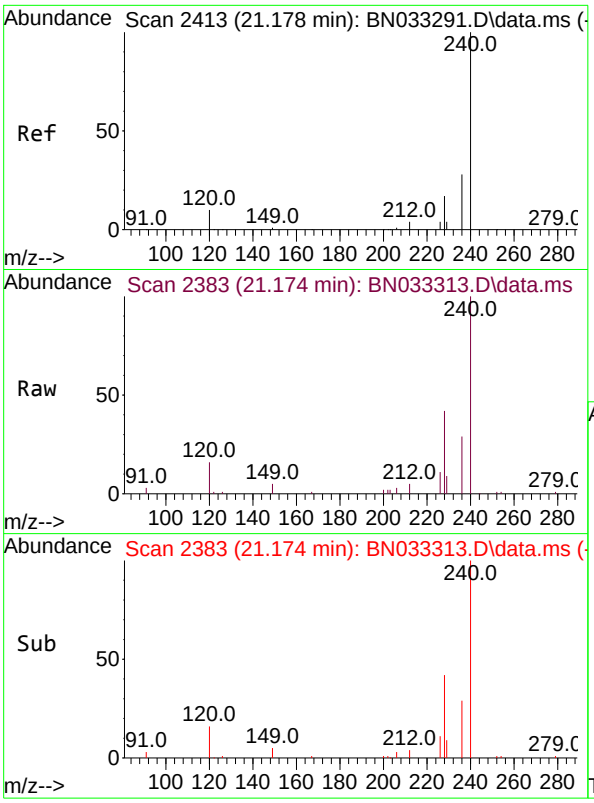


#28
Fluoranthene
Concen: 0.389 ng
RT: 19.039 min Scan# 1941
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:202 Resp: 20292

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.4	14.0
203	17.2	13.8	20.6



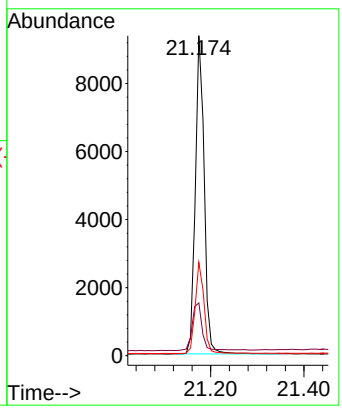


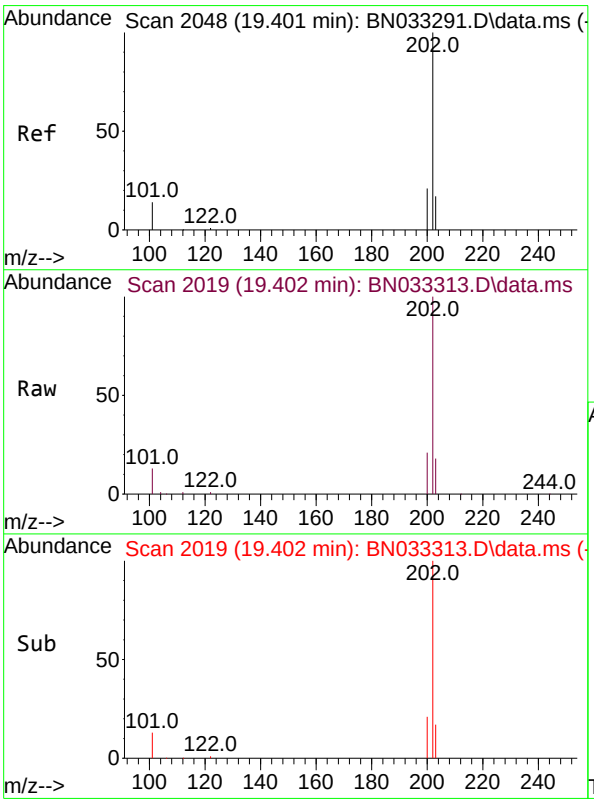
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.174 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:240 Resp: 12386

Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.0	13.6#
236	29.1	22.4	33.6

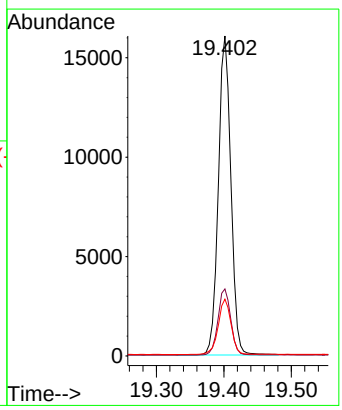


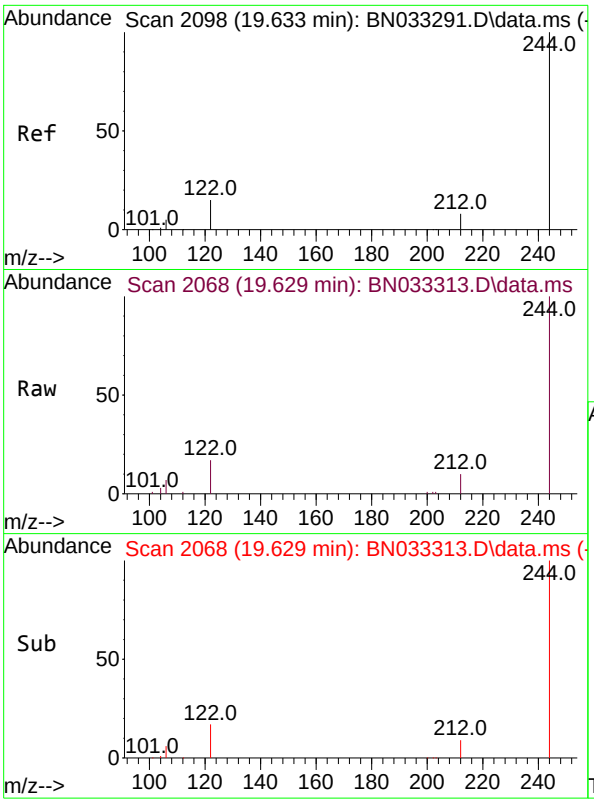


#30
Pyrene
Concen: 0.425 ng
RT: 19.402 min Scan# 2019
Delta R.T. 0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:202 Resp: 20711

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.9	14.2	21.4



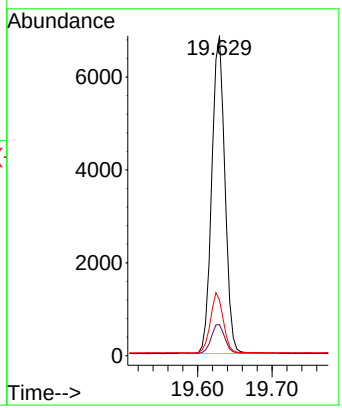


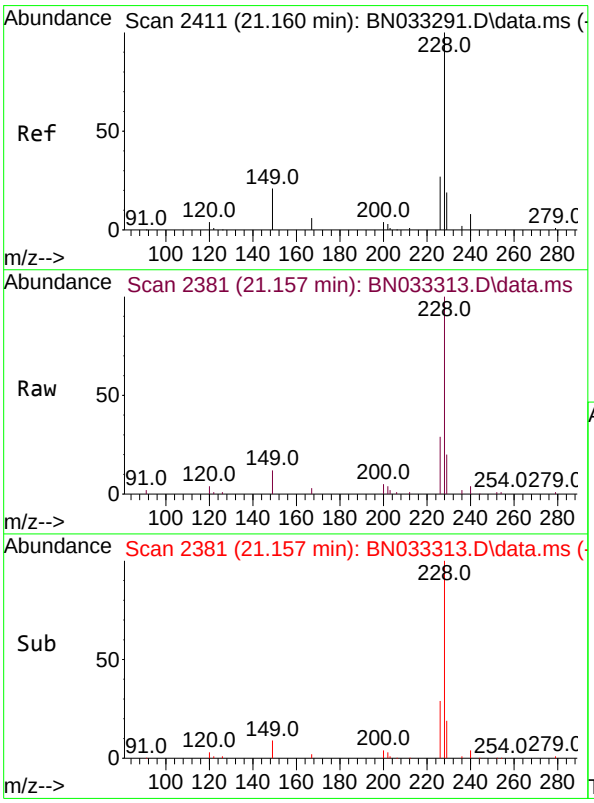
#31
Terphenyl-d14
Concen: 0.392 ng
RT: 19.629 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:244 Resp: 8366

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.2	10.8
122	17.3	12.7	19.1

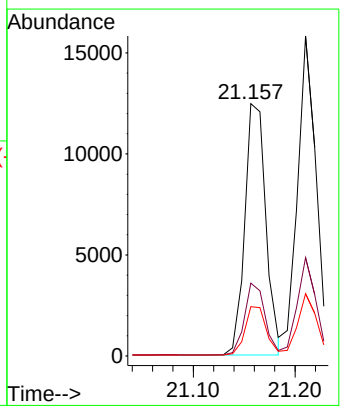


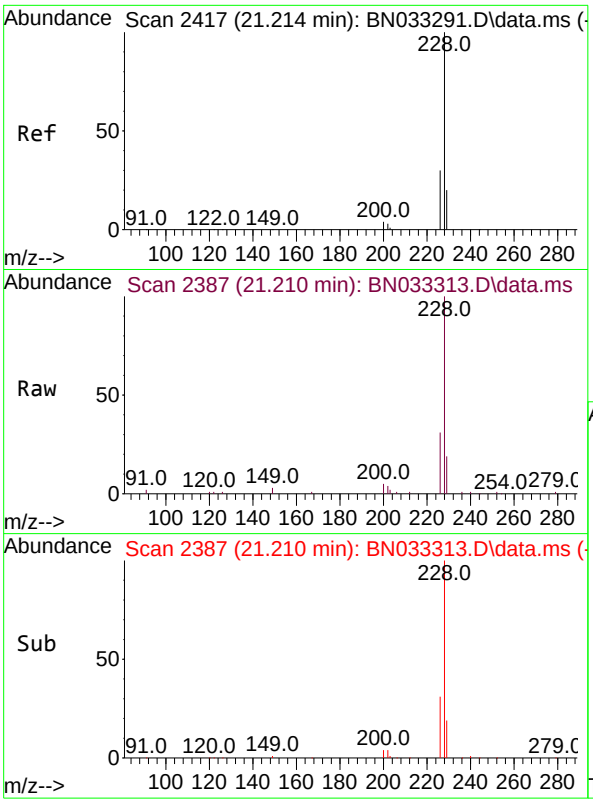


#32
Benzo(a)anthracene
Concen: 0.372 ng
RT: 21.157 min Scan# 2381
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:228 Resp: 17896

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	19.5	15.6	23.4



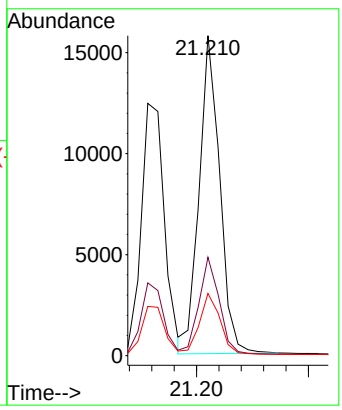


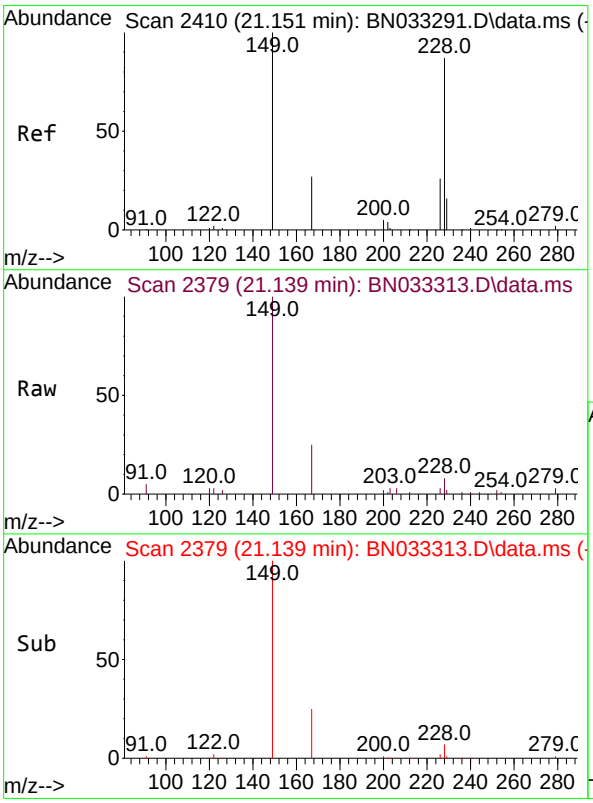
#33
Chrysene
Concen: 0.431 ng
RT: 21.210 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:228 Resp: 20065

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.8
229	19.4	15.8	23.8

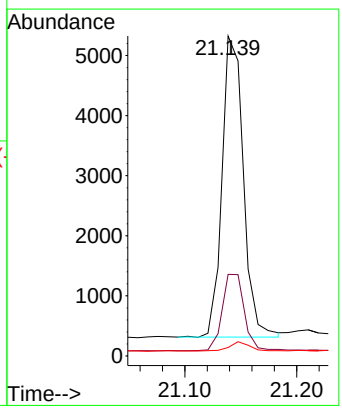


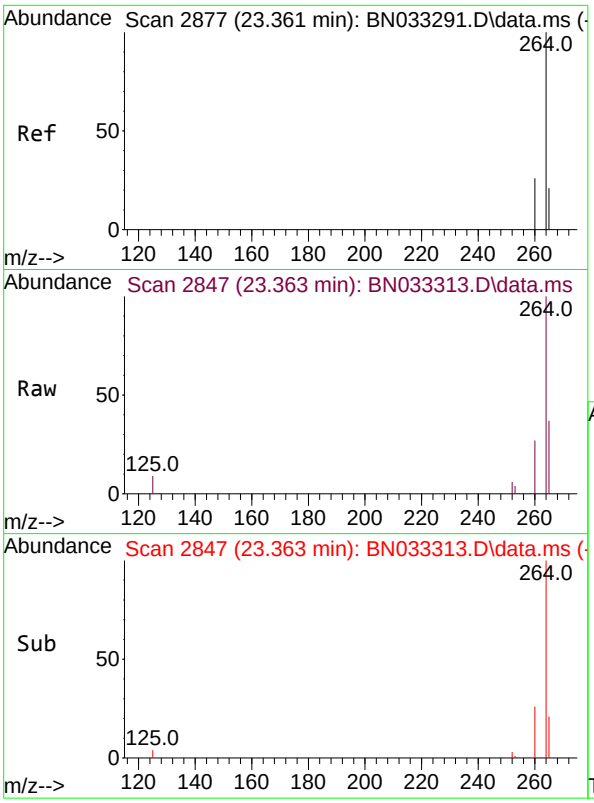


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.267 ng
RT: 21.139 min Scan# 2379
Delta R.T. -0.013 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:149 Resp: 6645

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.6	32.4
279	2.9	2.6	4.0



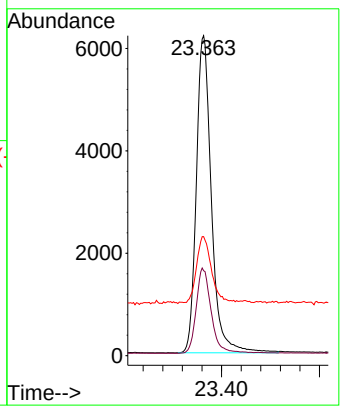


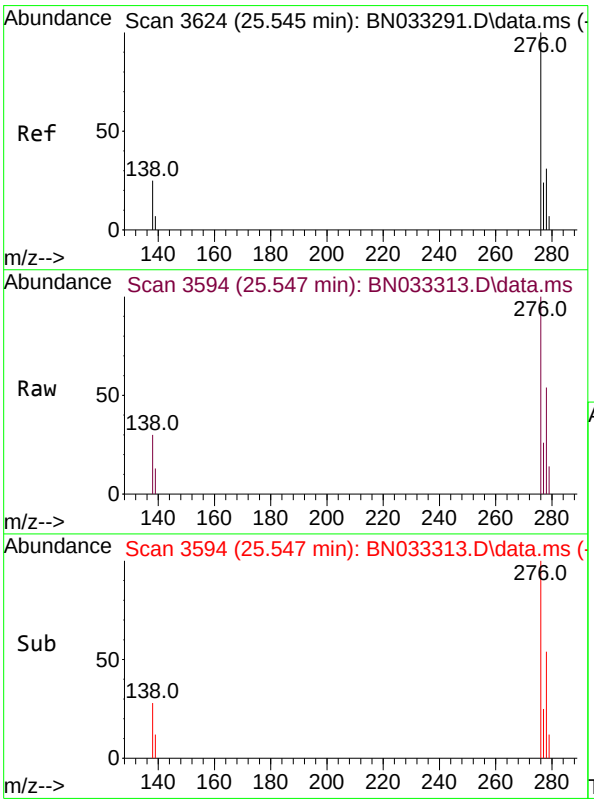
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.363 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:264 Resp: 13252

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.0
265	37.2	22.4	33.6#

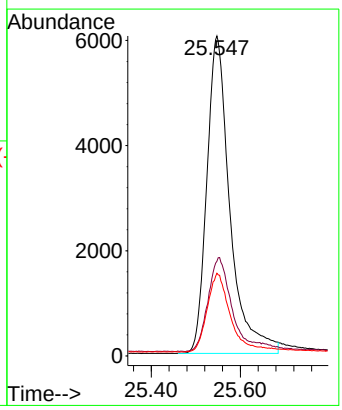


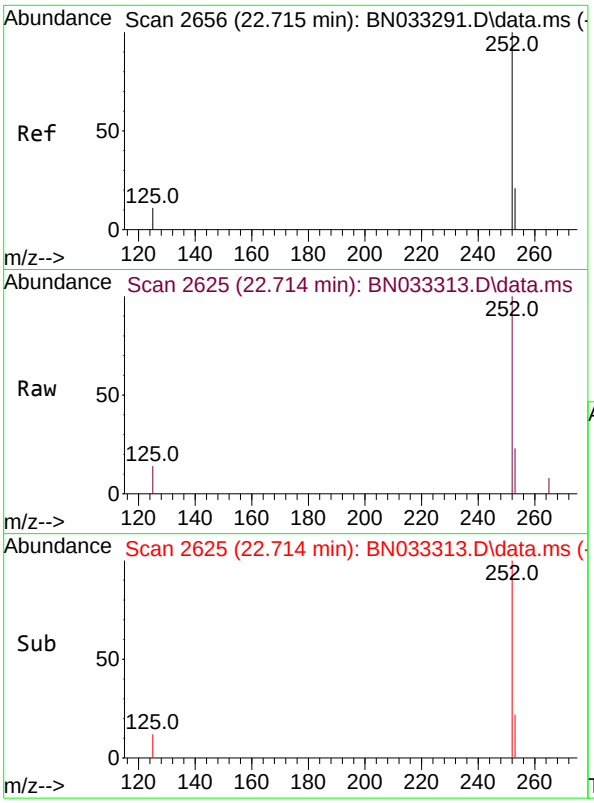


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng
RT: 25.547 min Scan# 3594
Delta R.T. 0.002 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:276 Resp: 21759

Ion	Ratio	Lower	Upper
276	100		
138	31.6	22.7	34.1
277	25.1	19.8	29.8



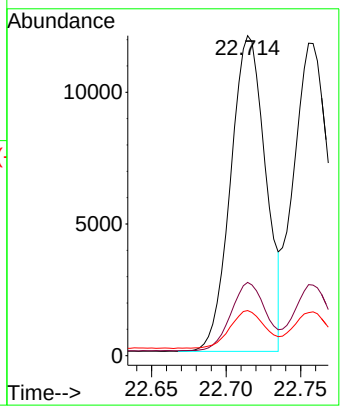


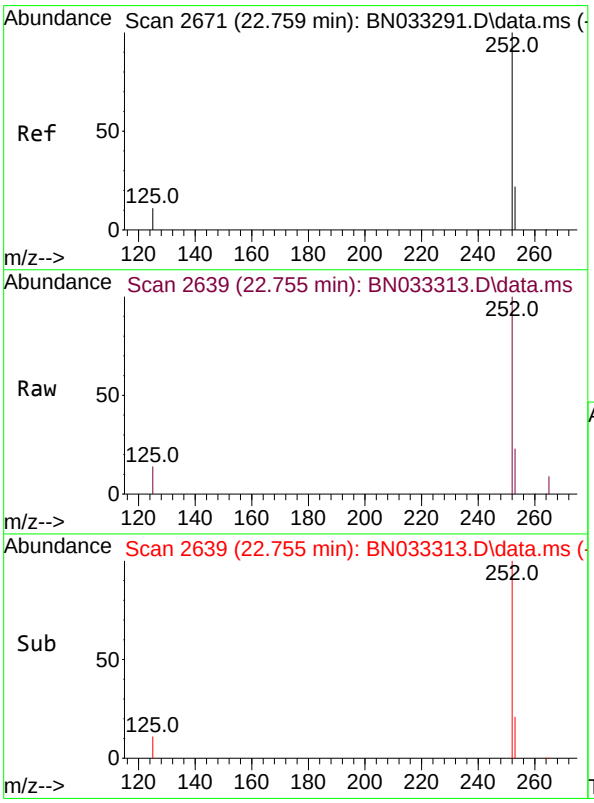
#37
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 22.714 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:252 Resp: 19594

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.1	10.0	15.0

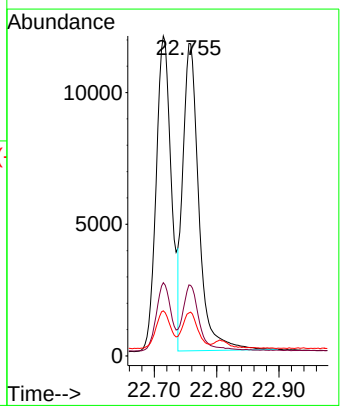


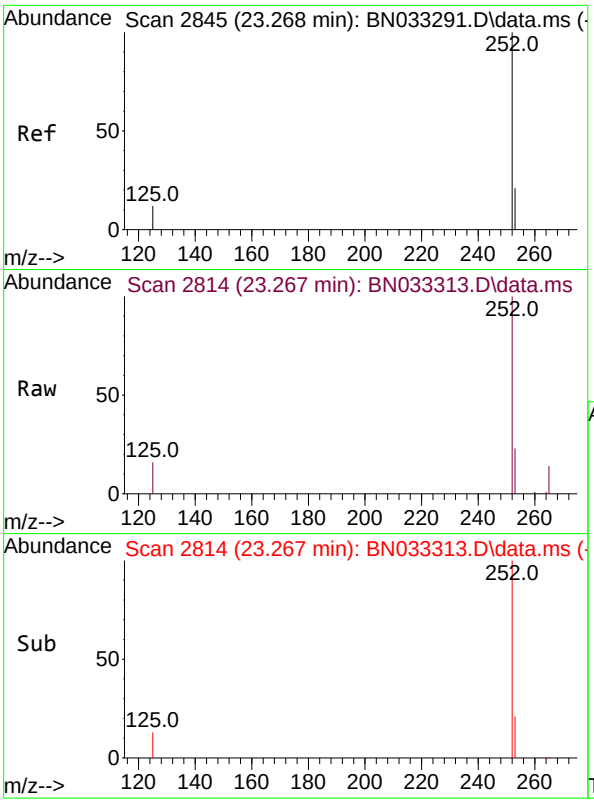


#38
Benzo(k)fluoranthene
Concen: 0.435 ng
RT: 22.755 min Scan# 2639
Delta R.T. -0.004 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:252 Resp: 20817

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	13.8	10.2	15.4



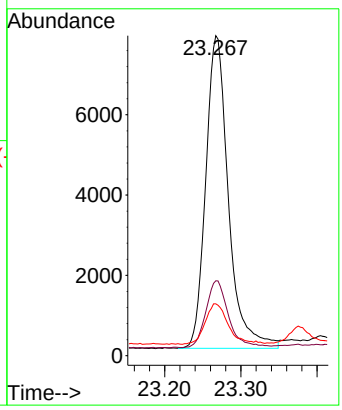


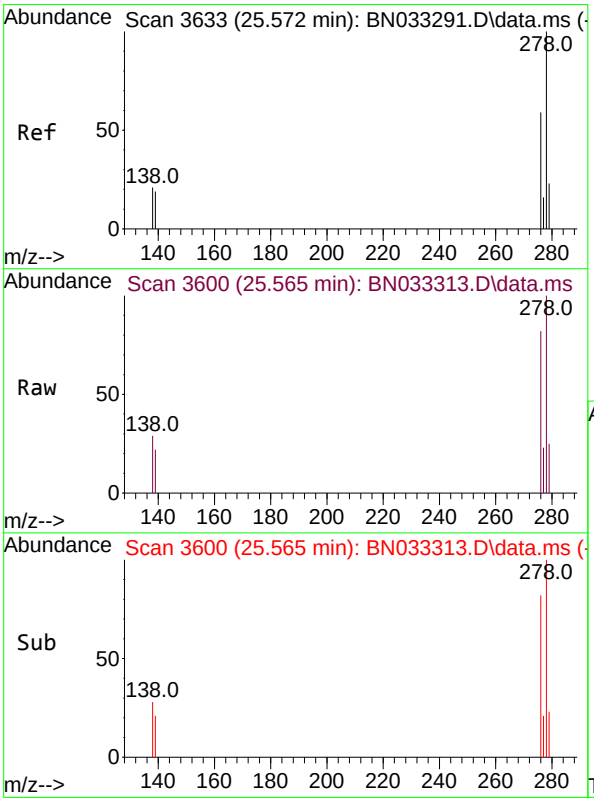
#39
Benzo(a)pyrene
Concen: 0.367 ng
RT: 23.267 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:252 Resp: 16072

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	16.2	11.4	17.2

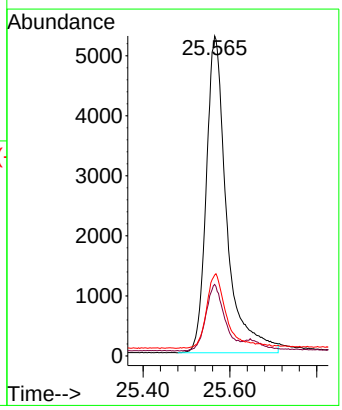


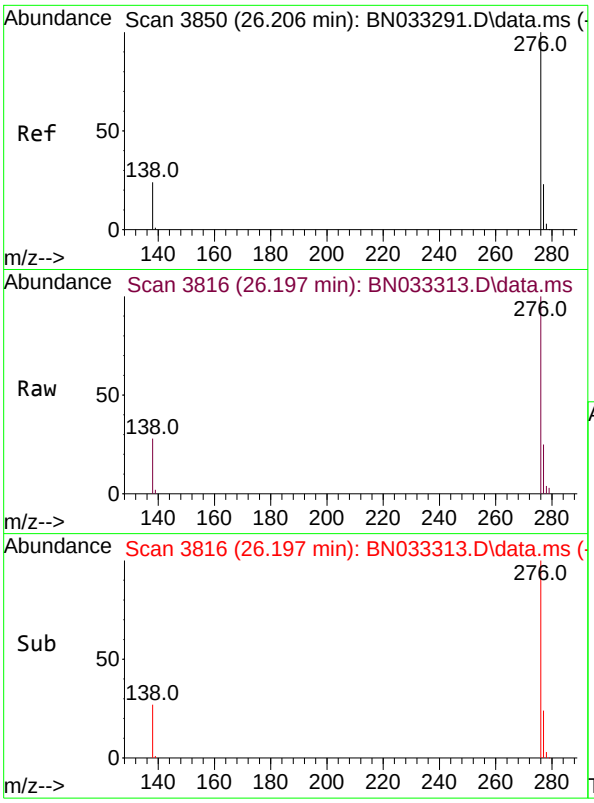


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.565 min Scan# 3600
Delta R.T. -0.007 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Tgt Ion:278 Resp: 17286

Ion	Ratio	Lower	Upper
278	100		
139	22.3	16.3	24.5
279	25.3	19.4	29.2





#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 26.197 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN033313.D
Acq: 09 Aug 2024 11:28

Instrument :
BNA_N
ClientSampleId :
PB162593BS

Tgt Ion:276 Resp: 20116

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	28.1	20.8	31.2