Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080724\
Data File : BN033291.D
Acq On : 07 Aug 2024 20:36
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Aug 08 04:31:24 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 04:24:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.589	152	4733	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	14352	0.400	ng		0.00
13) Acenaphthene-d10	14.222	164	8983	0.400	ng		0.00
19) Phenanthrene-d10	16.970	188	21364	0.400	ng		0.00
29) Chrysene-d12	21.178	240	20550	0.400	ng		0.00
35) Perylene-d12	23.361	264	23954	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.206	112	5110	0.380	ng		0.00
5) Phenol-d6	6.759	99	6867	0.389	ng		0.00
8) Nitrobenzene-d5	8.717	82	3337	0.280	ng		0.00
11) 2-Methylnaphthalene-d10	11.954	152	8962	0.392	ng		0.00
14) 2,4,6-Tribromophenol	15.716	330	1463	0.340	ng		0.00
15) 2-Fluorobiphenyl	12.843	172	14005	0.411	ng		0.00
27) Fluoranthene-d10	19.010	212	23267	0.400	ng		0.00
31) Terphenyl-d14	19.633	244	14224	0.283	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.198	88	2148	0.371	ng		100
3) n-Nitrosodimethylamine	3.494	42	2623	0.476	ng		100
6) bis(2-Chloroethyl)ether	7.026	93	5879	0.387	ng		100
9) Naphthalene	10.404	128	16084	0.416	ng		100
10) Hexachlorobutadiene	10.703	225	2937	0.435	ng	#	100
12) 2-Methylnaphthalene	12.026	142	11133	0.422	ng		100
16) Acenaphthylene	13.933	152	18218	0.440	ng		100
17) Acenaphthene	14.286	154	11440	0.429	ng		100
18) Fluorene	15.280	166	15266	0.429	ng		100
20) 4,6-Dinitro-2-methylph...	15.345	198	559	0.152	ng		100
21) 4-Bromophenyl-phenylether	16.175	248	5179	0.427	ng		100
22) Hexachlorobenzene	16.287	284	5384	0.429	ng		100
23) Atrazine	16.461	200	4225	0.381	ng		100
24) Pentachlorophenol	16.622	266	1806	0.290	ng		100
25) Phenanthrene	17.007	178	24906	0.420	ng		100
26) Anthracene	17.106	178	23780	0.432	ng		100
28) Fluoranthene	19.043	202	30805	0.429	ng		100
30) Pyrene	19.401	202	32440	0.397	ng		100
32) Benzo(a)anthracene	21.160	228	31412	0.406	ng		100
33) Chrysene	21.214	228	30817	0.421	ng		100
34) Bis(2-ethylhexyl)phtha...	21.151	149	15715	0.297	ng		100
36) Indeno(1,2,3-cd)pyrene	25.545	276	40322	0.451	ng		100
37) Benzo(b)fluoranthene	22.715	252	35136	0.402	ng		100
38) Benzo(k)fluoranthene	22.759	252	33662	0.408	ng		100
39) Benzo(a)pyrene	23.268	252	30703	0.408	ng		100
40) Dibenzo(a,h)anthracene	25.572	278	31980	0.454	ng		100
41) Benzo(g,h,i)perylene	26.206	276	34782	0.460	ng		100

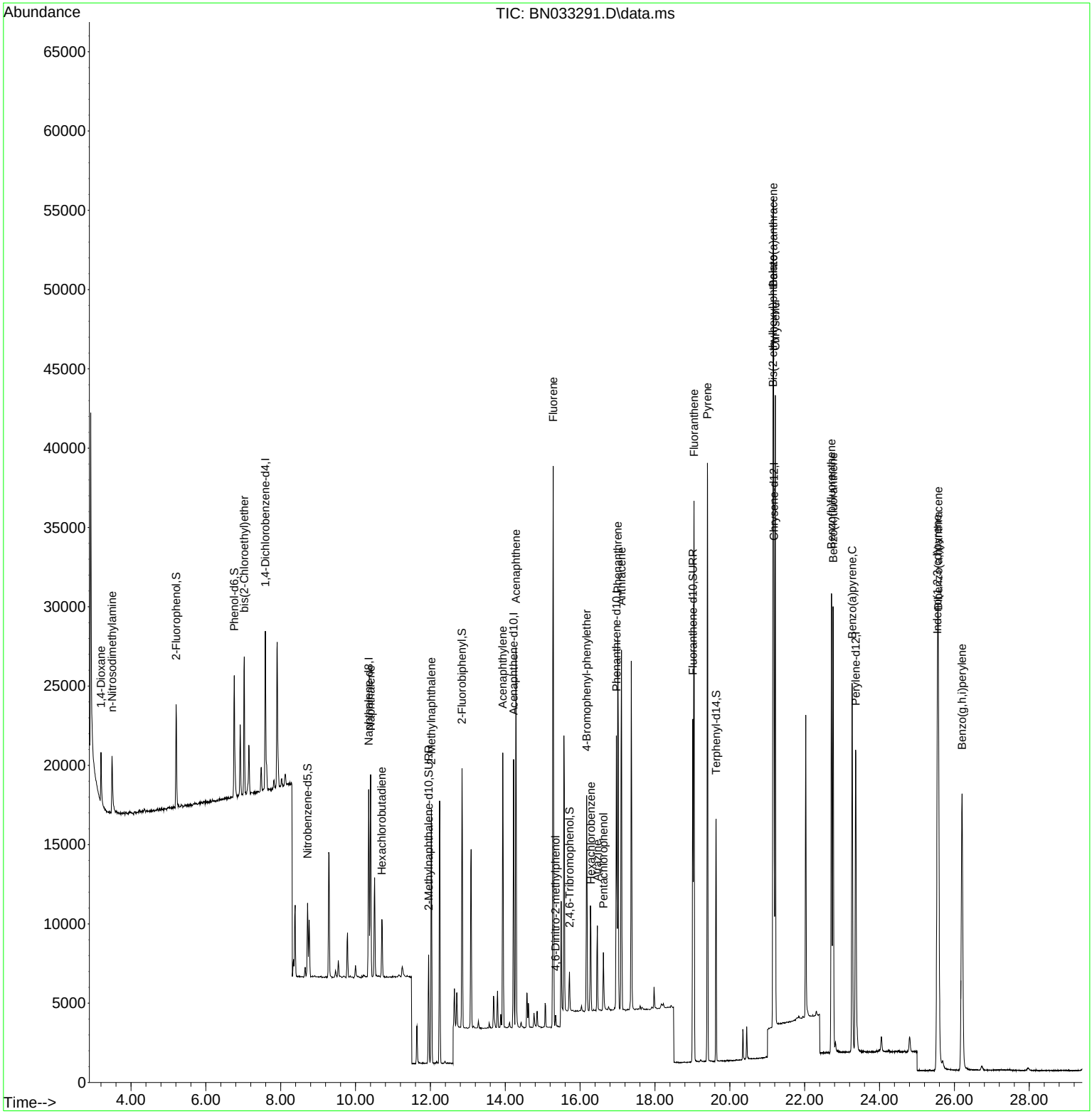
(#) = qualifier out of range (m) = manual integration (+) = signals summed

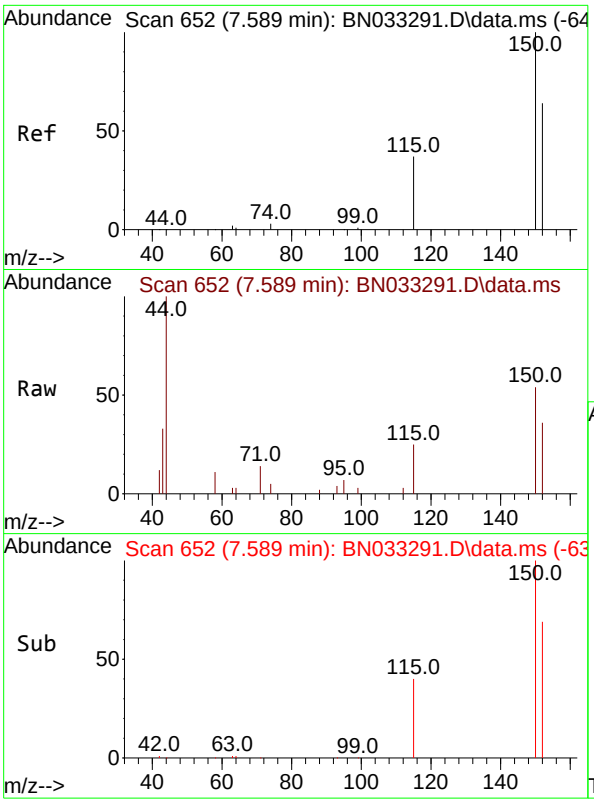
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080724\
Data File : BN033291.D
Acq On : 07 Aug 2024 20:36
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Aug 08 04:31:24 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 04:24:54 2024
Response via : Initial Calibration



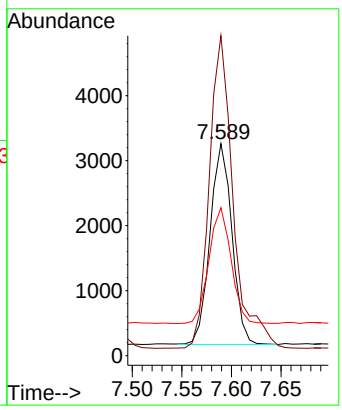


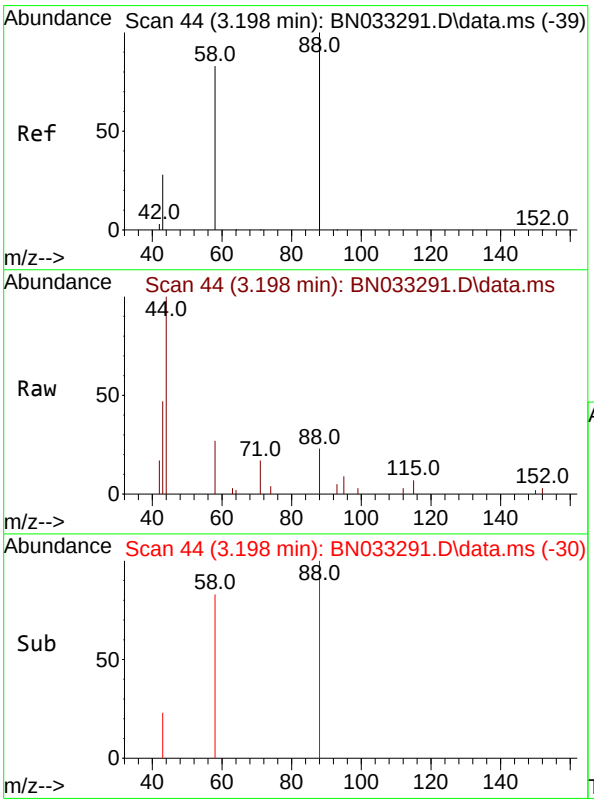
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 4733

Ion	Ratio	Lower	Upper
152	100		
150	150.9	120.7	181.1
115	69.8	55.8	83.8

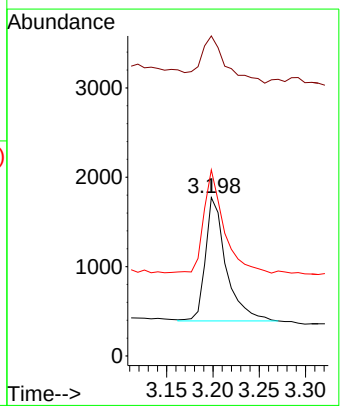


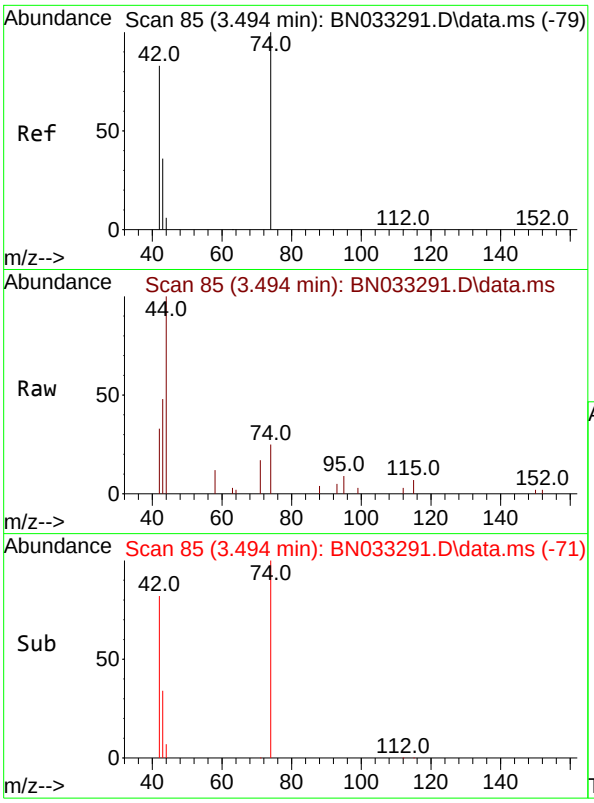


#2
1,4-Dioxane
Concen: 0.371 ng
RT: 3.198 min Scan# 44
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion: 88 Resp: 2148

Ion	Ratio	Lower	Upper
88	100		
43	46.3	37.0	55.6
58	81.4	65.1	97.7



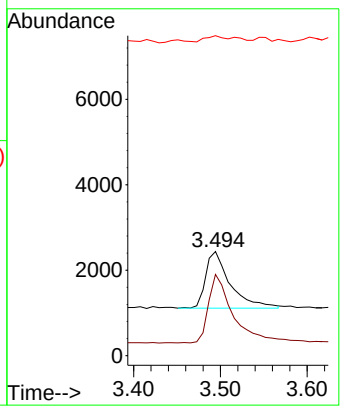


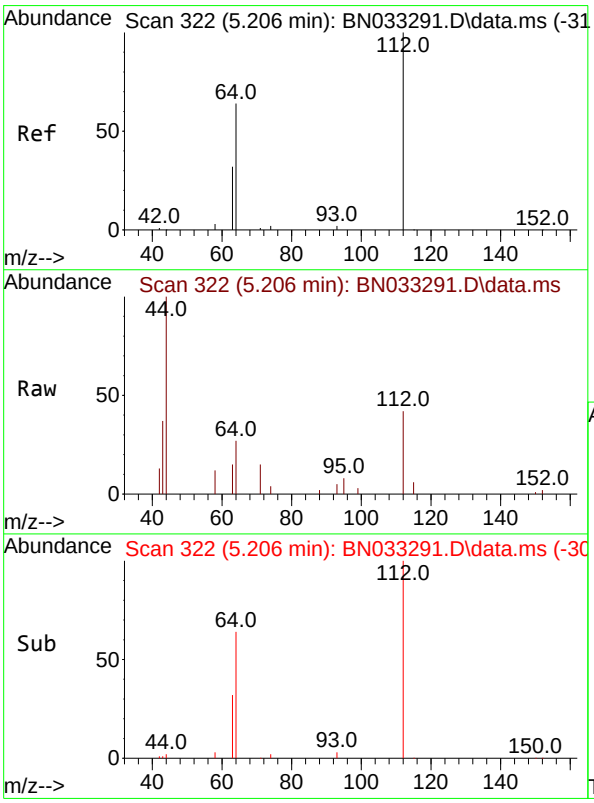
#3
n-Nitrosodimethylamine
Concen: 0.476 ng
RT: 3.494 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2623

Ion	Ratio	Lower	Upper
42	100		
74	118.6	94.9	142.3
44	8.7	7.0	10.4

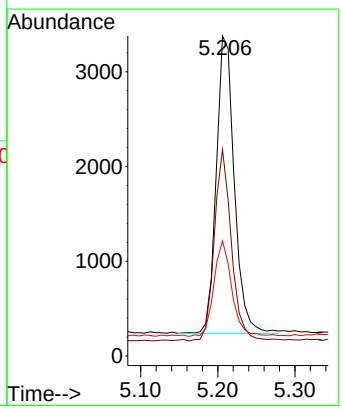


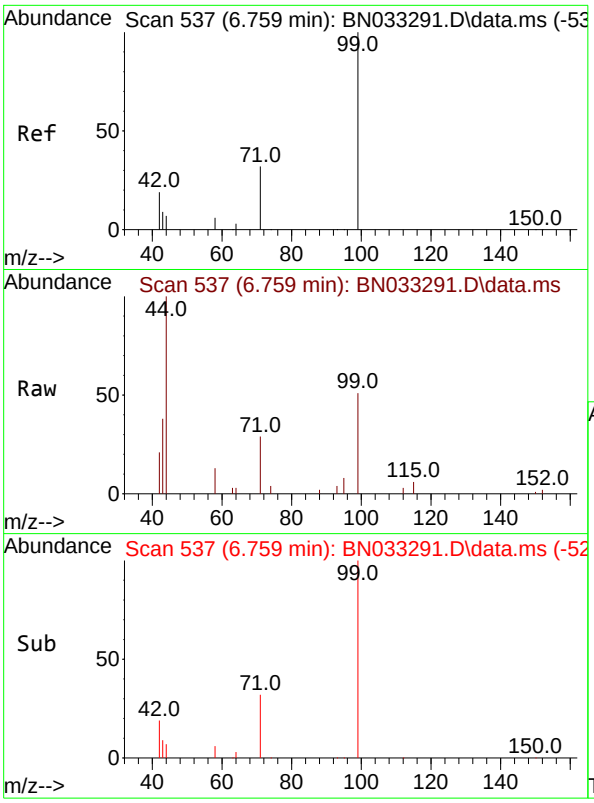


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.206 min Scan# 322
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:112 Resp: 5110

Ion	Ratio	Lower	Upper
112	100		
64	60.9	48.7	73.1
63	31.8	25.4	38.2



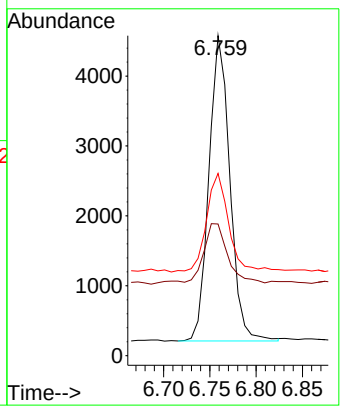


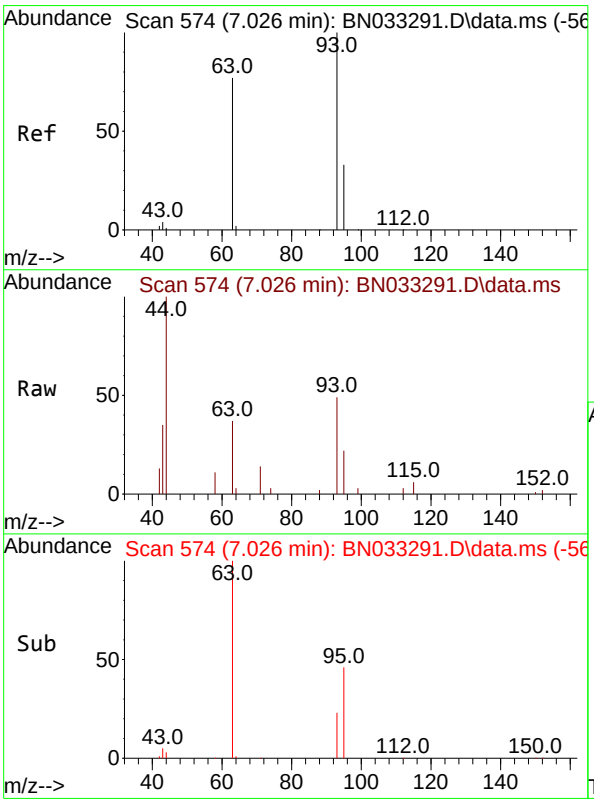
#5
Phenol-d6
Concen: 0.389 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 6867

Ion	Ratio	Lower	Upper
99	100		
42	24.1	19.3	28.9
71	34.5	27.6	41.4

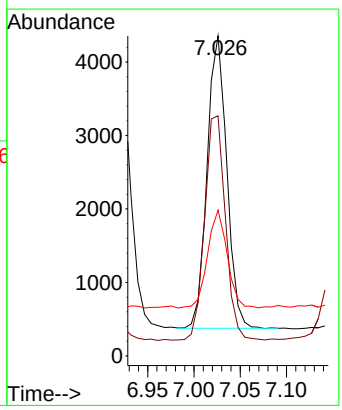


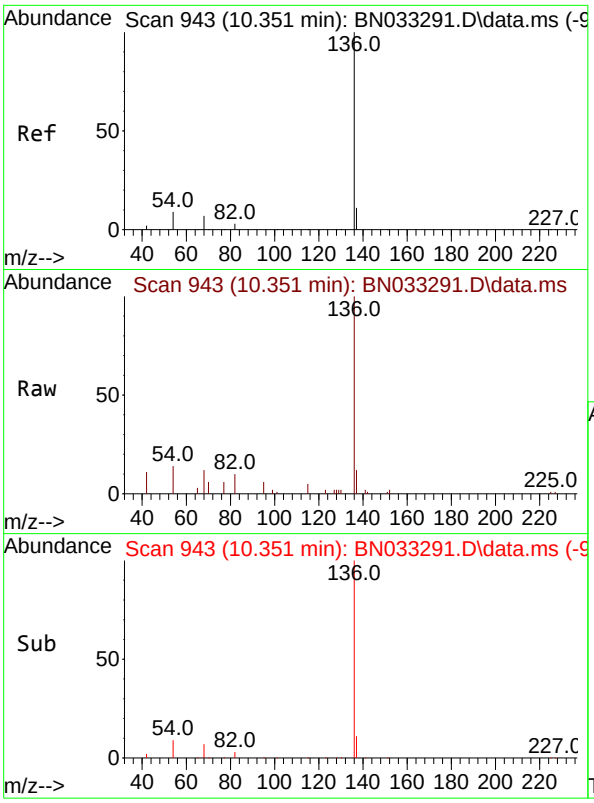


#6
bis(2-Chloroethyl)ether
Concen: 0.387 ng
RT: 7.026 min Scan# 574
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion: 93 Resp: 5879

Ion	Ratio	Lower	Upper
93	100		
63	80.6	64.5	96.7
95	33.2	26.6	39.8



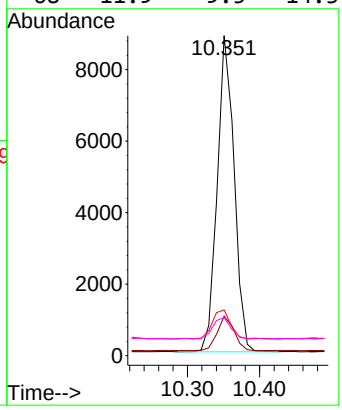


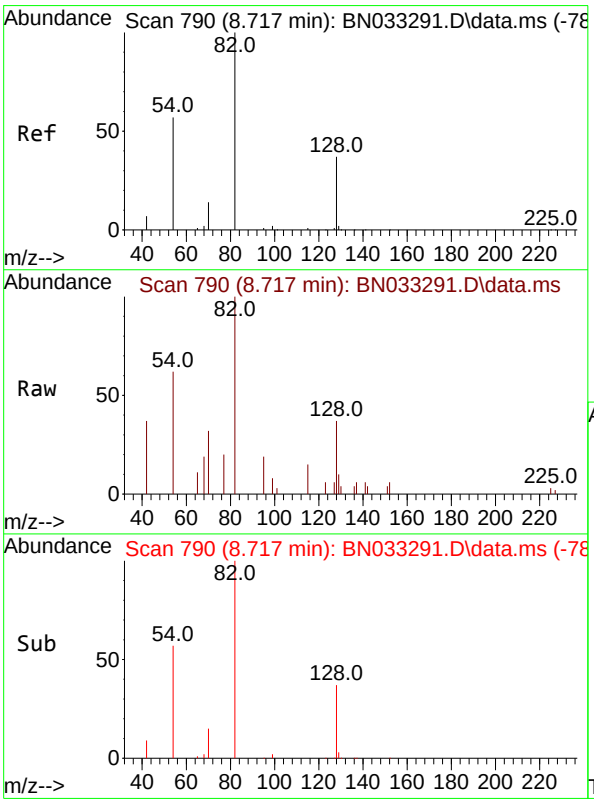
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 14352

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.9	14.9
54	14.3	11.4	17.2
68	11.9	9.5	14.3

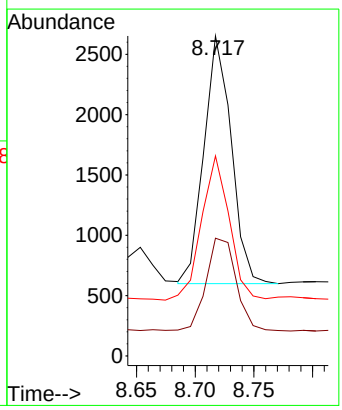


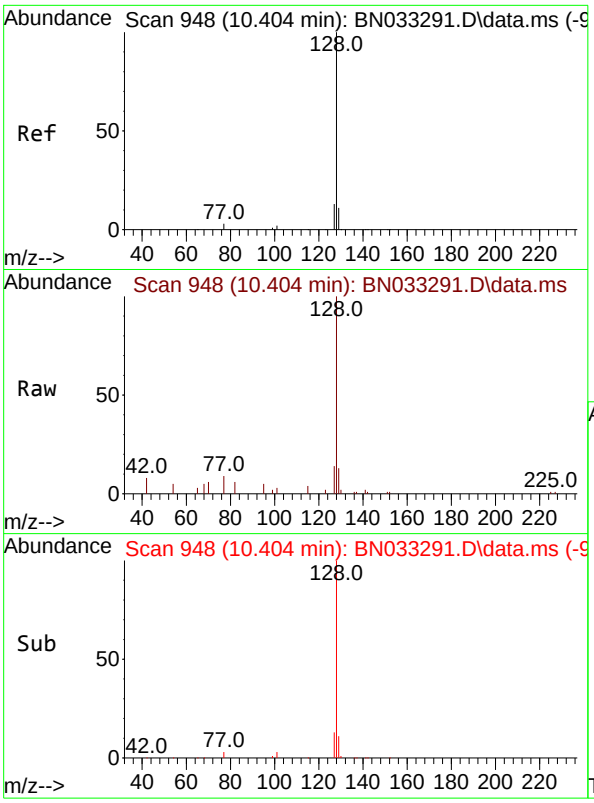


#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 8.717 min Scan# 790
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion: 82 Resp: 3337

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.4	44.2
54	62.5	50.0	75.0



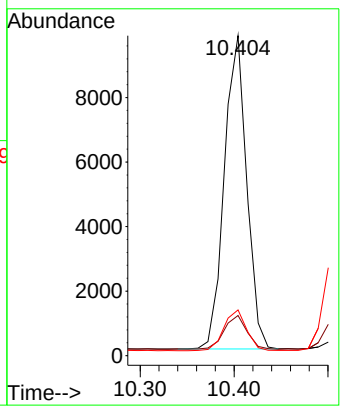


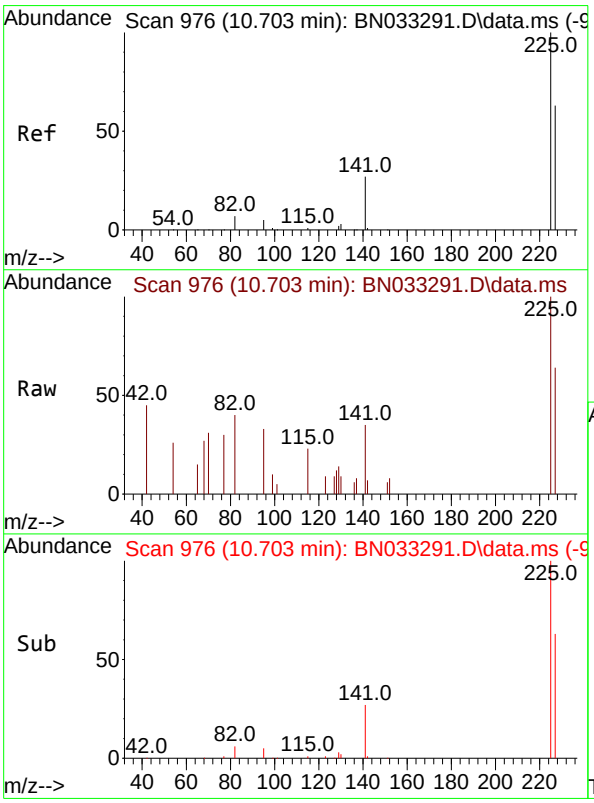
#9
Naphthalene
Concen: 0.416 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 16084

Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.1	15.1
127	14.3	11.4	17.2

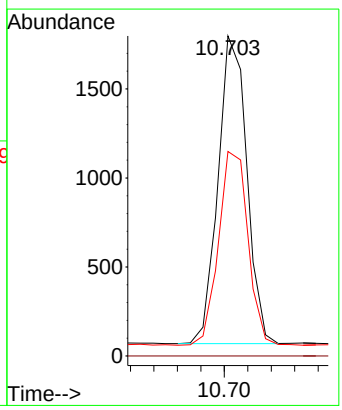


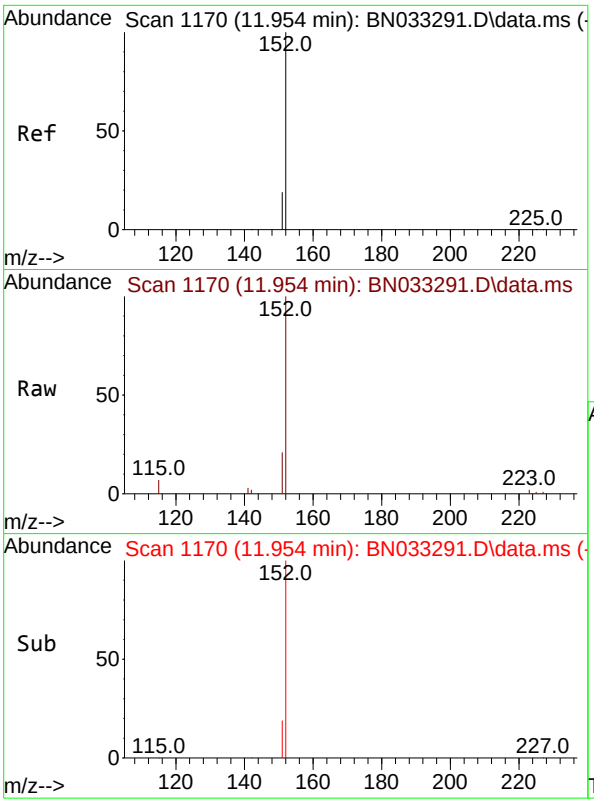


#10
Hexachlorobutadiene
Concen: 0.435 ng
RT: 10.703 min Scan# 976
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:225 Resp: 2937

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.8	77.6



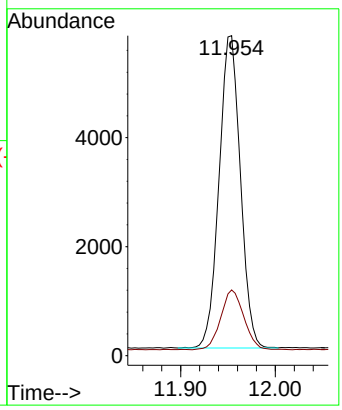


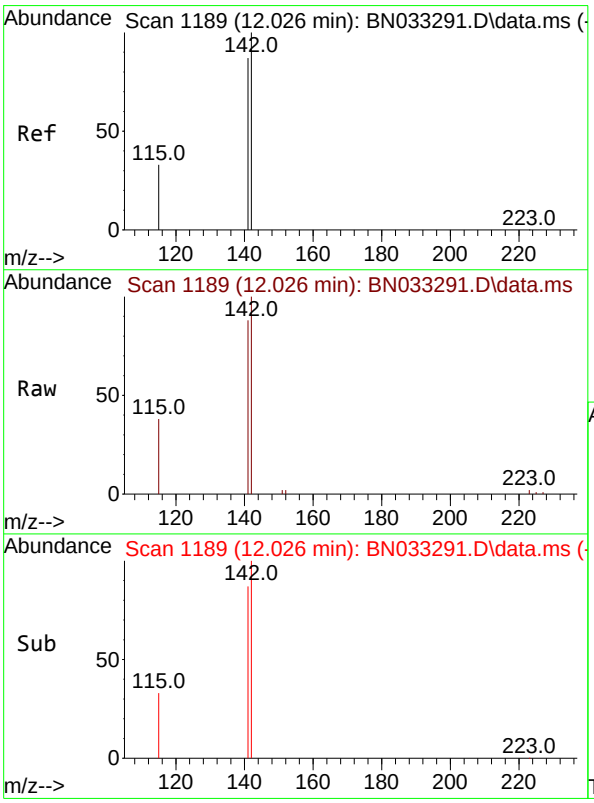
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 8962

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.7	25.1

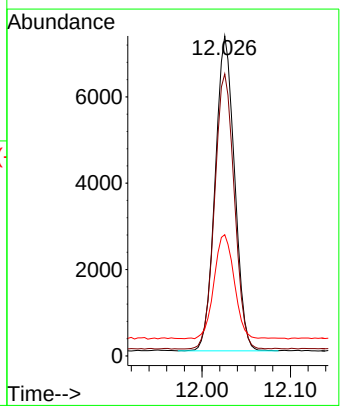


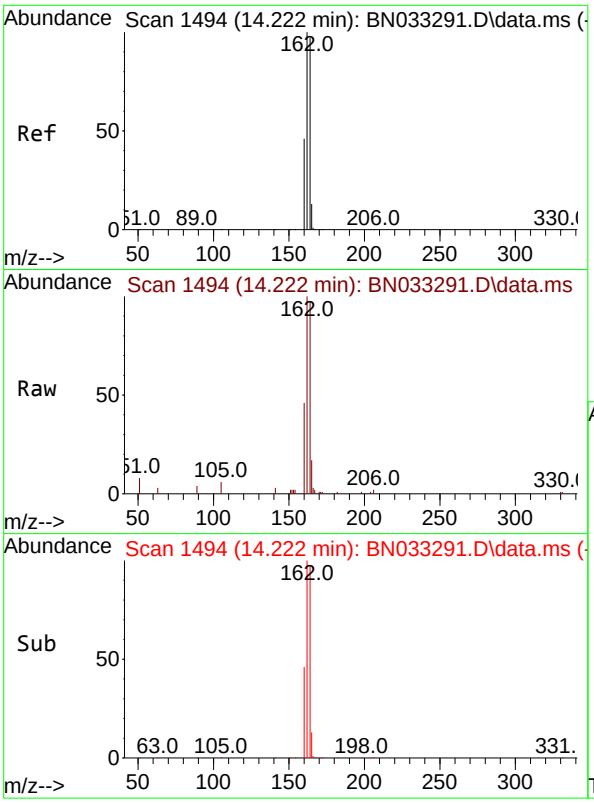


#12
2-Methylnaphthalene
Concen: 0.422 ng
RT: 12.026 min Scan# 1189
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:142 Resp: 11133

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	37.9	30.3	45.5



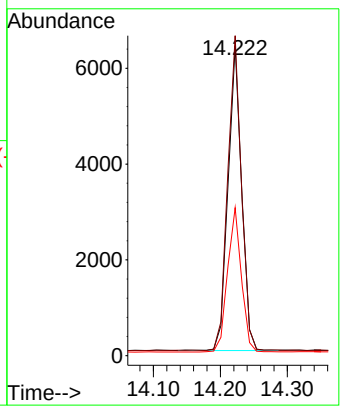


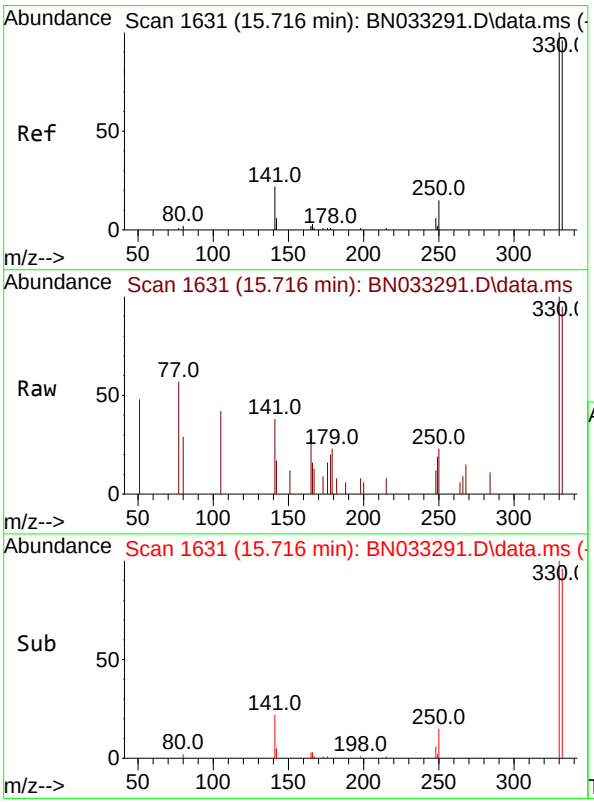
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.222 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 8983

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	124.0
160	47.8	38.2	57.4

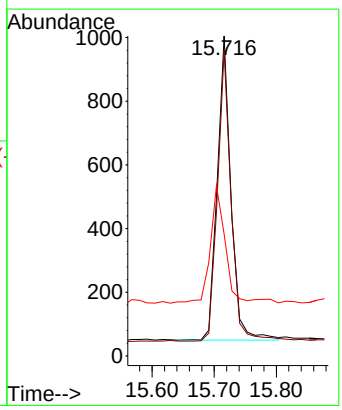


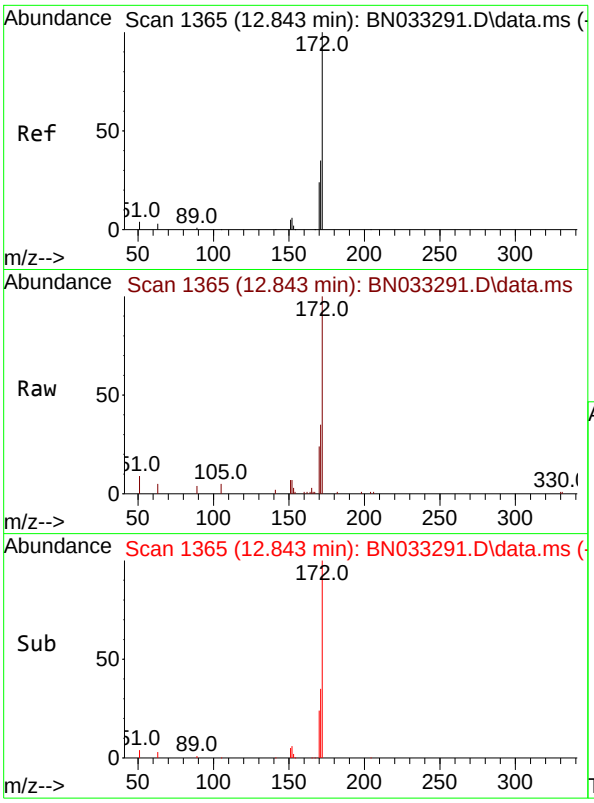


#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.716 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:330 Resp: 1463

Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.6	113.4
141	38.7	31.0	46.4



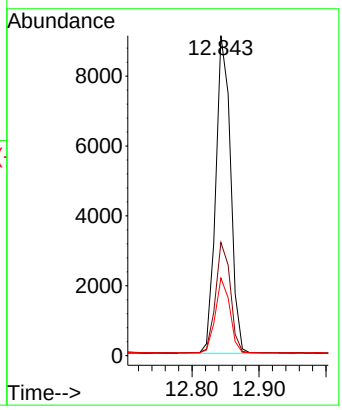


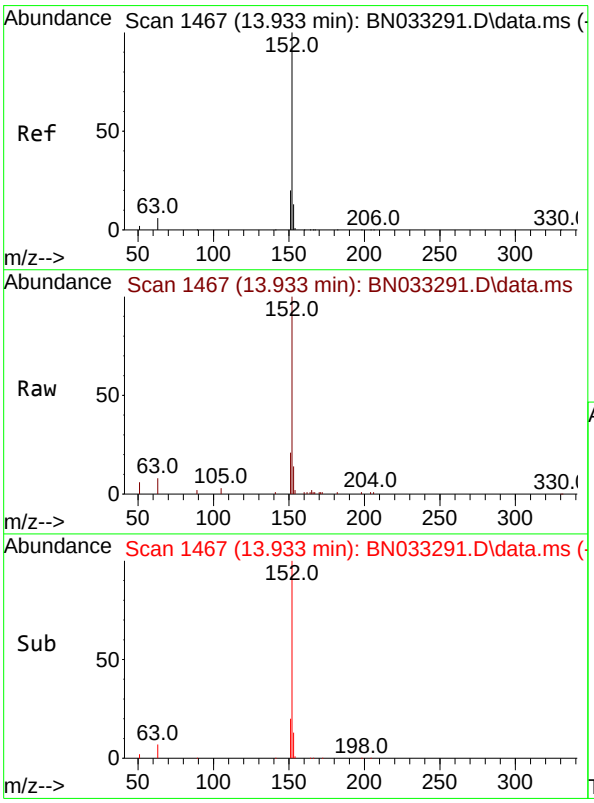
#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 12.843 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 14005

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	24.3	19.4	29.2

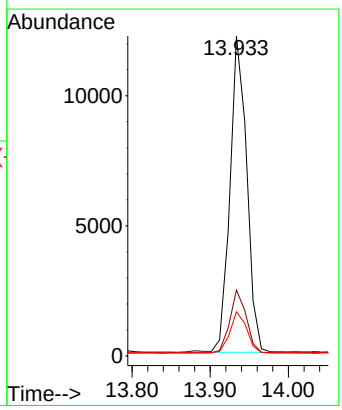


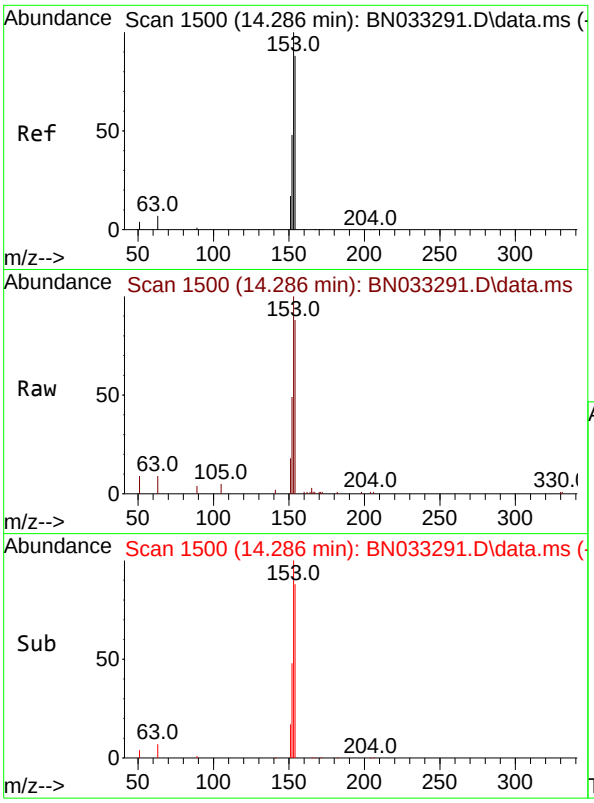


#16
Acenaphthylene
Concen: 0.440 ng
RT: 13.933 min Scan# 1467
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:152 Resp: 18218

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.9	10.3	15.5



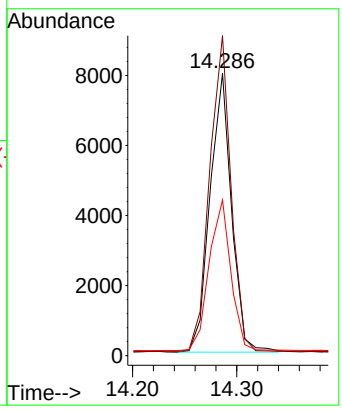


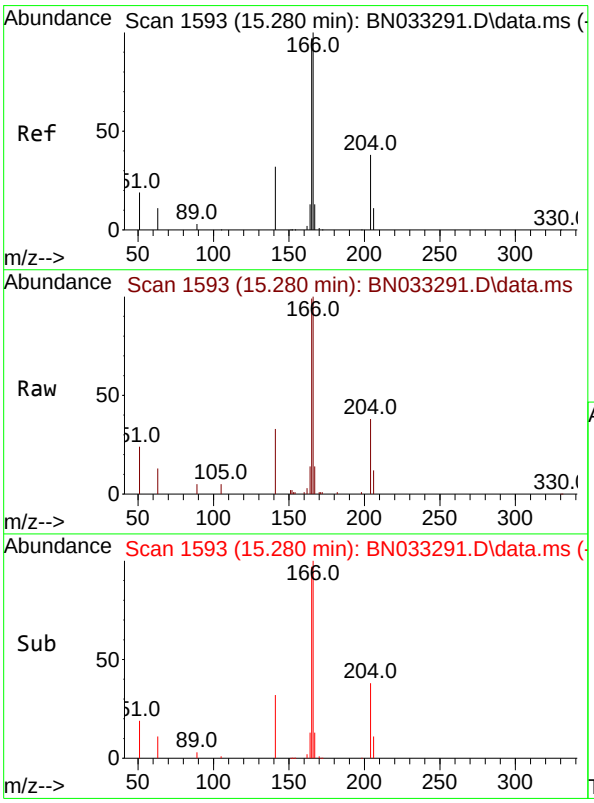
#17
Acenaphthene
Concen: 0.429 ng
RT: 14.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 11440

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	54.5	43.6	65.4

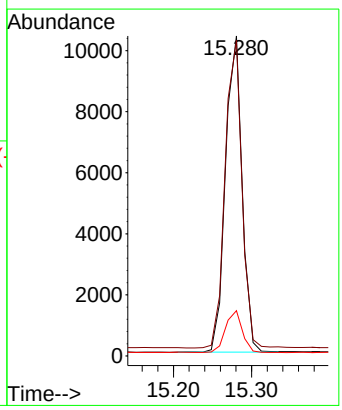


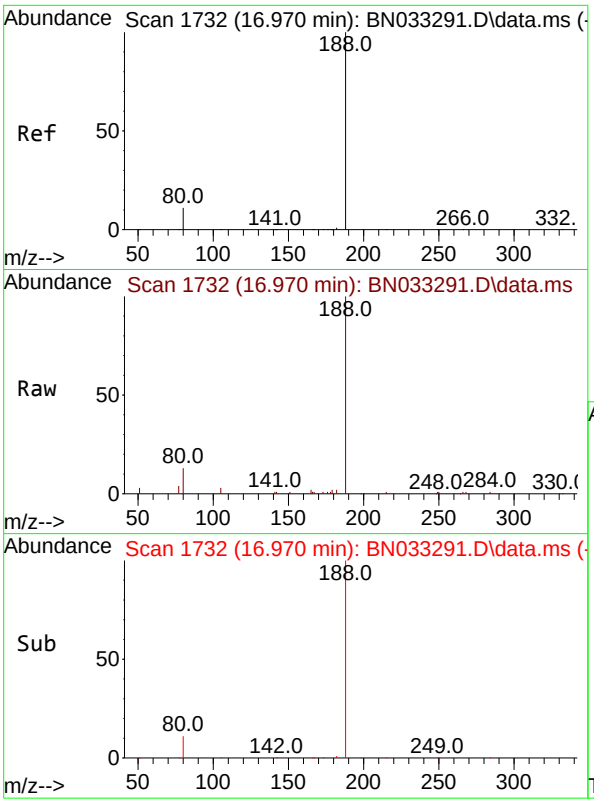


#18
Fluorene
Concen: 0.429 ng
RT: 15.280 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:166 Resp: 15266

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.9	118.3
167	13.3	10.6	16.0



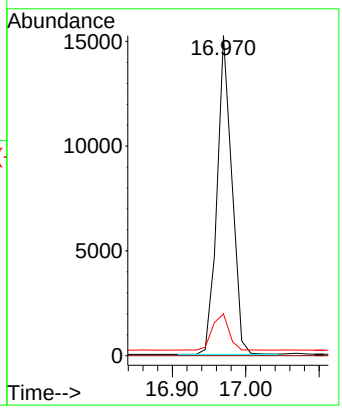


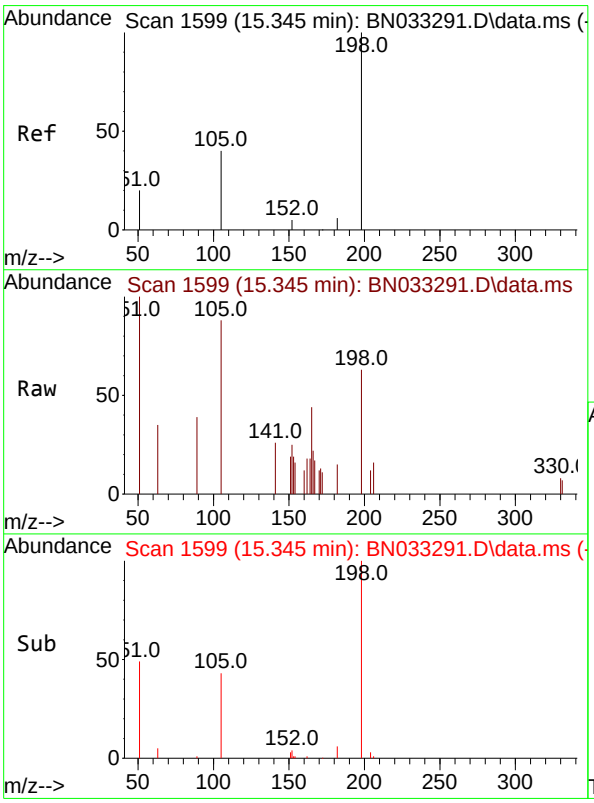
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.970 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 21364

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	10.5	15.7

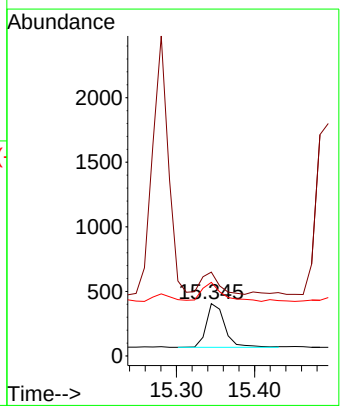


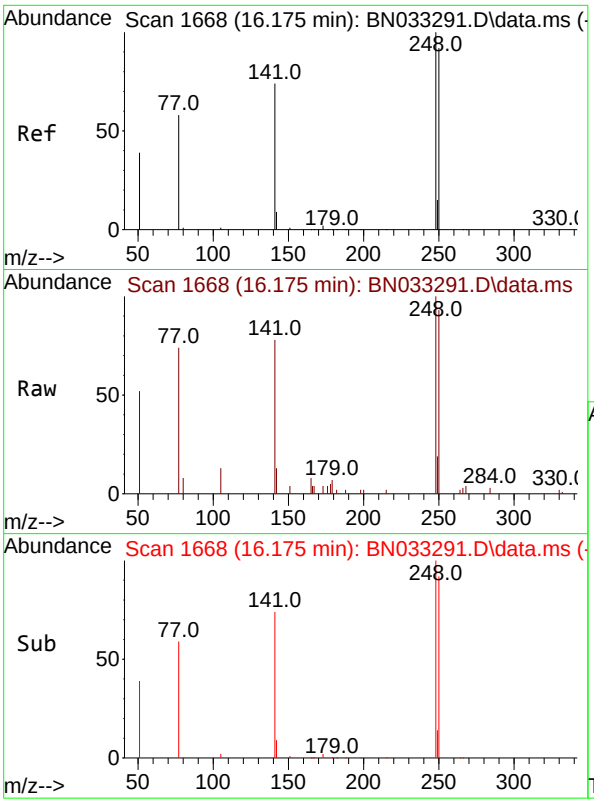


#20
4,6-Dinitro-2-methylphenol
Concen: 0.152 ng
RT: 15.345 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:198 Resp: 559

Ion	Ratio	Lower	Upper
198	100		
51	159.9	127.9	191.9
105	140.4	112.3	168.5



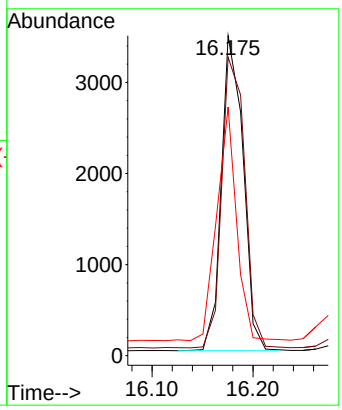


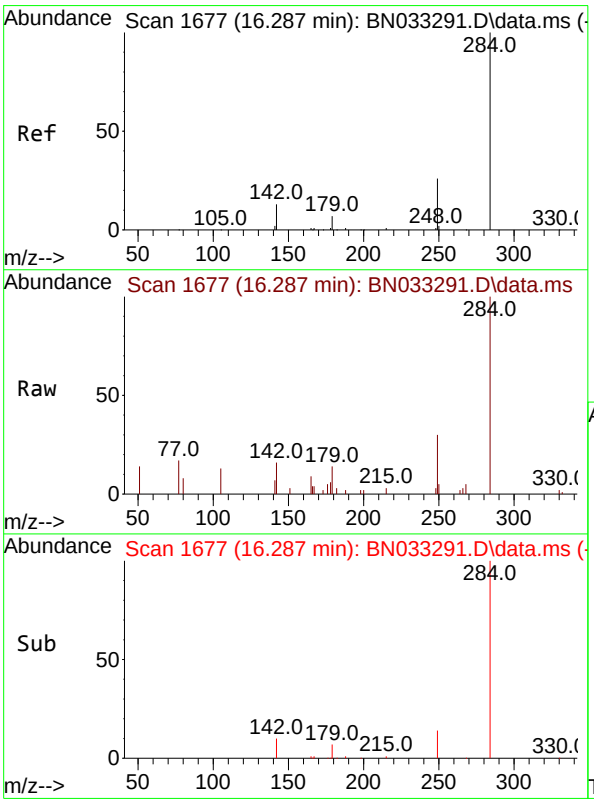
#21
4-Bromophenyl-phenylether
Concen: 0.427 ng
RT: 16.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 5179

Ion	Ratio	Lower	Upper
248	100		
250	93.3	74.6	112.0
141	77.7	62.2	93.2

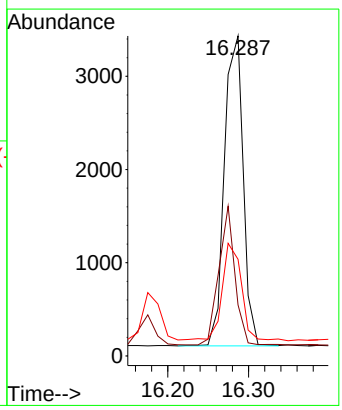


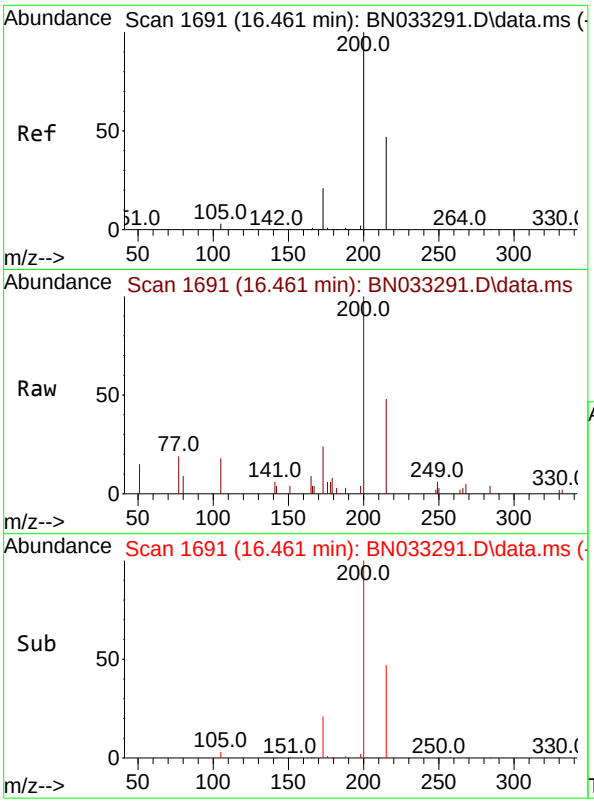


#22
Hexachlorobenzene
Concen: 0.429 ng
RT: 16.287 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:284 Resp: 5384

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.6	45.8
249	30.7	24.6	36.8



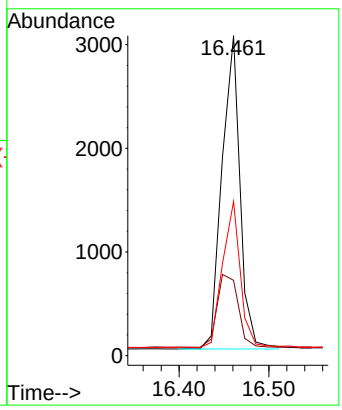


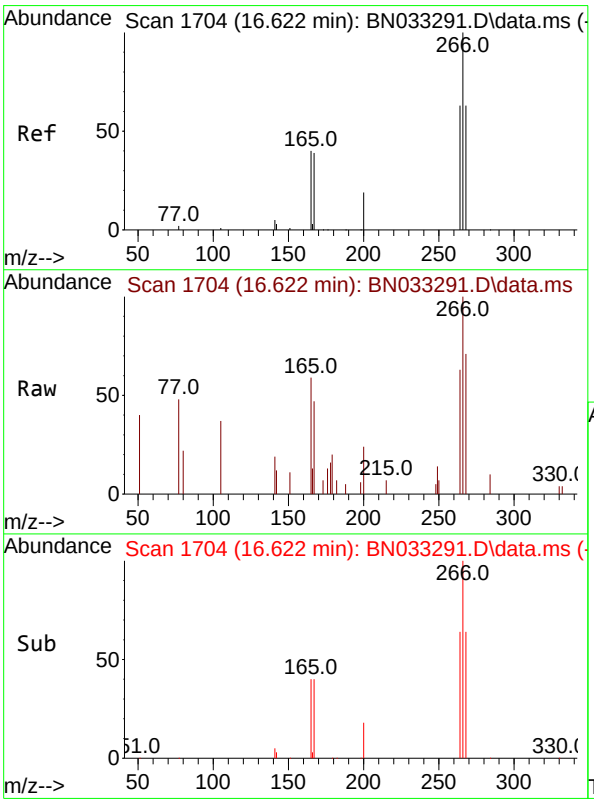
#23
Atrazine
Concen: 0.381 ng
RT: 16.461 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 4225

Ion	Ratio	Lower	Upper
200	100		
173	23.6	18.9	28.3
215	48.2	38.6	57.8

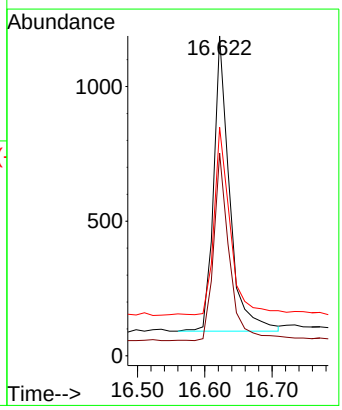


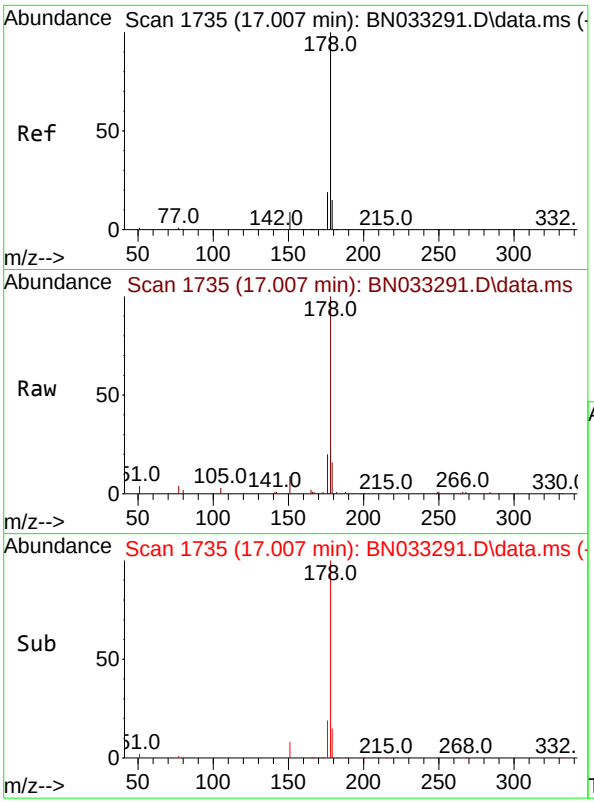


#24
Pentachlorophenol
Concen: 0.290 ng
RT: 16.622 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:266 Resp: 1806

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.3	75.5
268	63.7	51.0	76.4



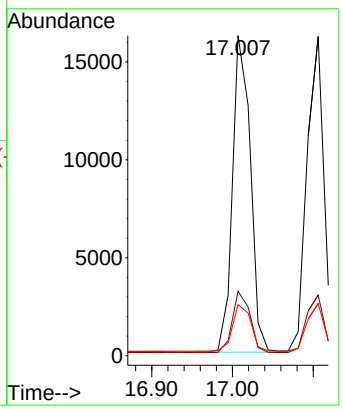


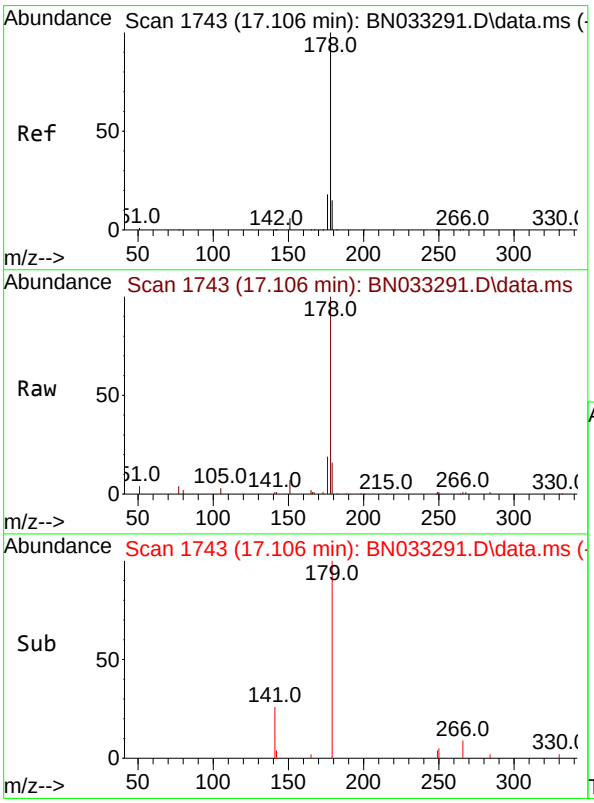
#25
Phenanthrene
Concen: 0.420 ng
RT: 17.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 24906

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.0	12.0	18.0

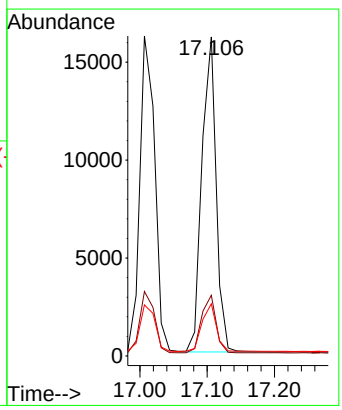


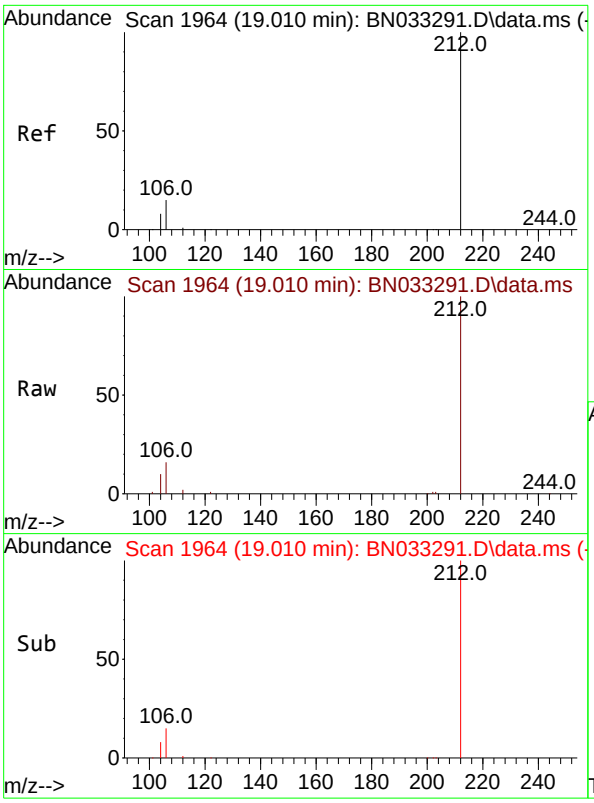


#26
Anthracene
Concen: 0.432 ng
RT: 17.106 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:178 Resp: 23780

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



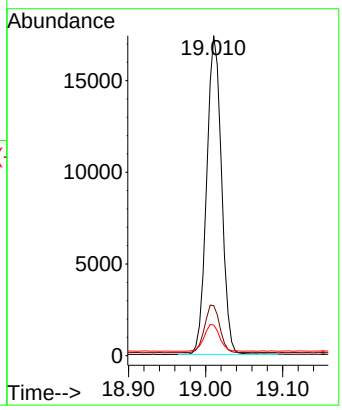


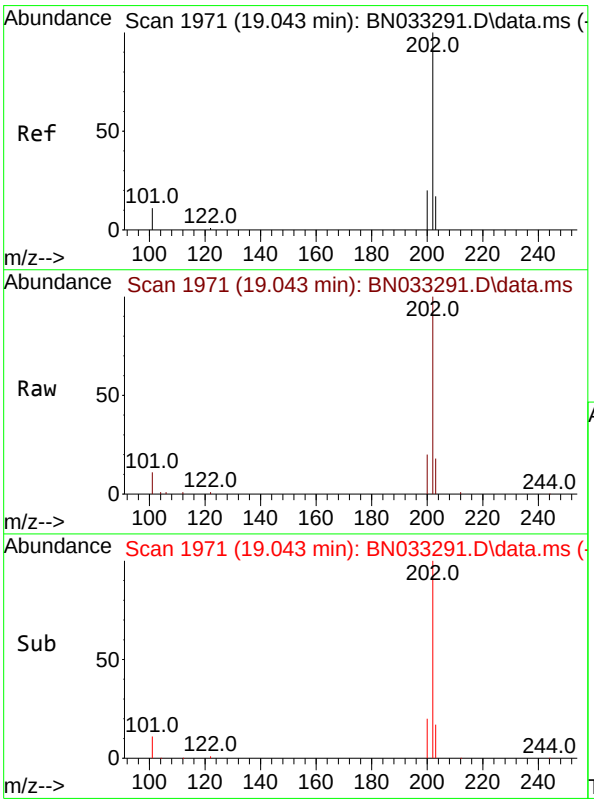
#27
Fluoranthene-d10
Concen: 0.400 ng
RT: 19.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 23267

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.4
104	8.6	6.9	10.3

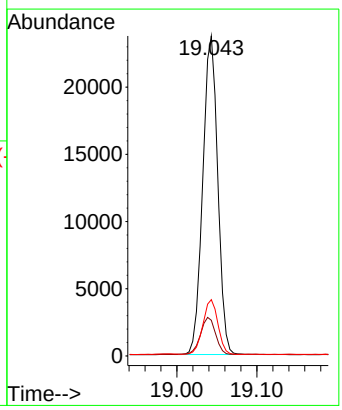


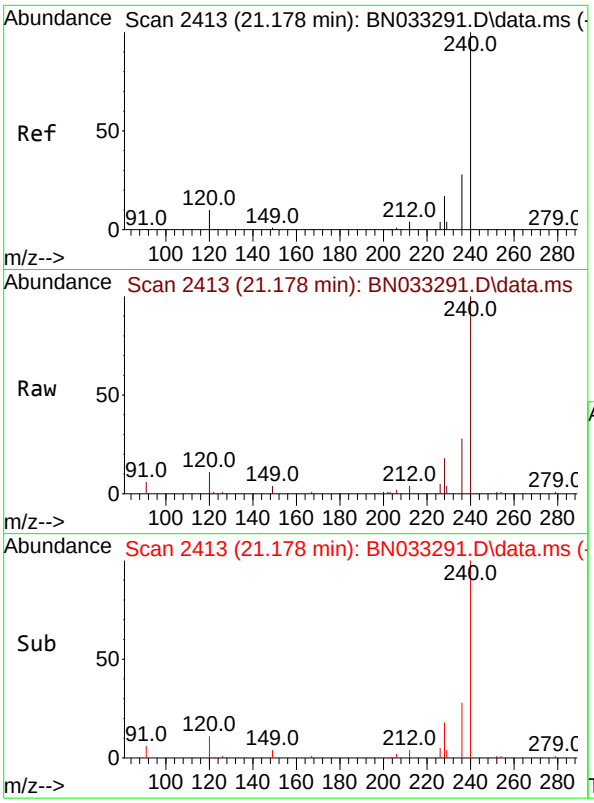


#28
Fluoranthene
Concen: 0.429 ng
RT: 19.043 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:202 Resp: 30805

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.0
203	17.2	13.8	20.6



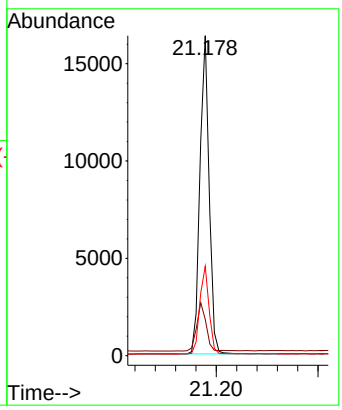


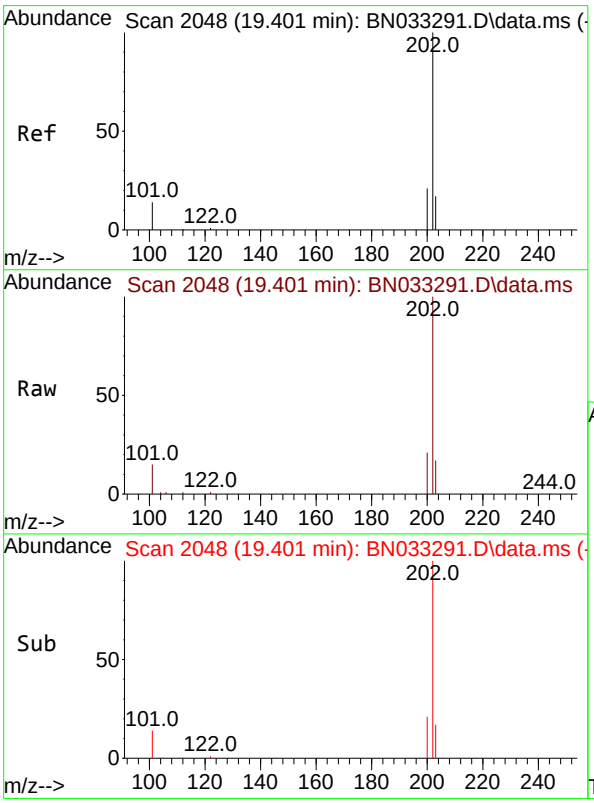
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.178 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 20550

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	28.0	22.4	33.6

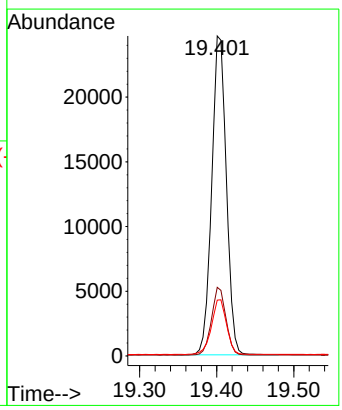


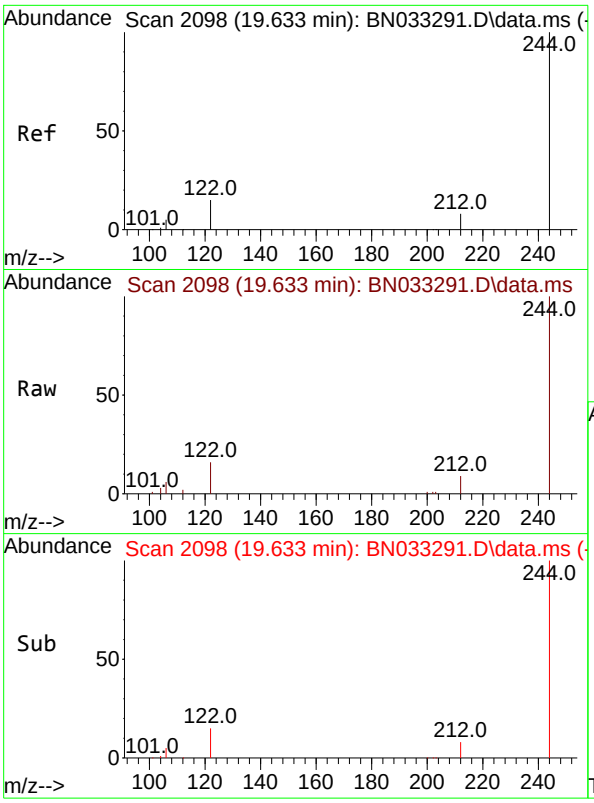


#30
Pyrene
Concen: 0.397 ng
RT: 19.401 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:202 Resp: 32440

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.2	21.4



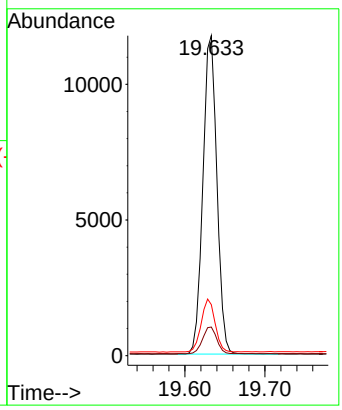


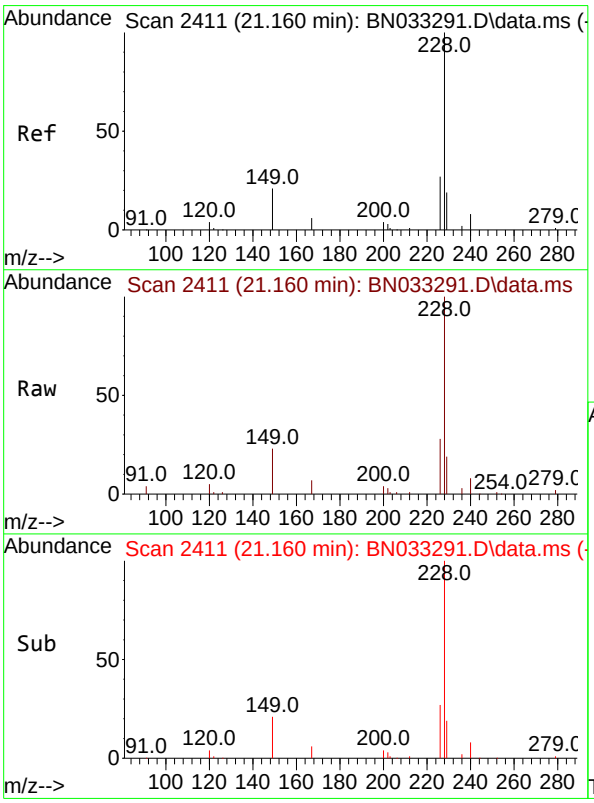
#31
Terphenyl-d14
Concen: 0.283 ng
RT: 19.633 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 14224

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.2	10.8
122	15.9	12.7	19.1

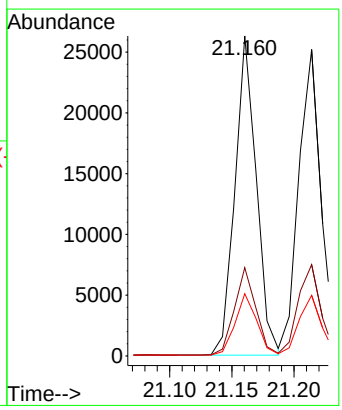


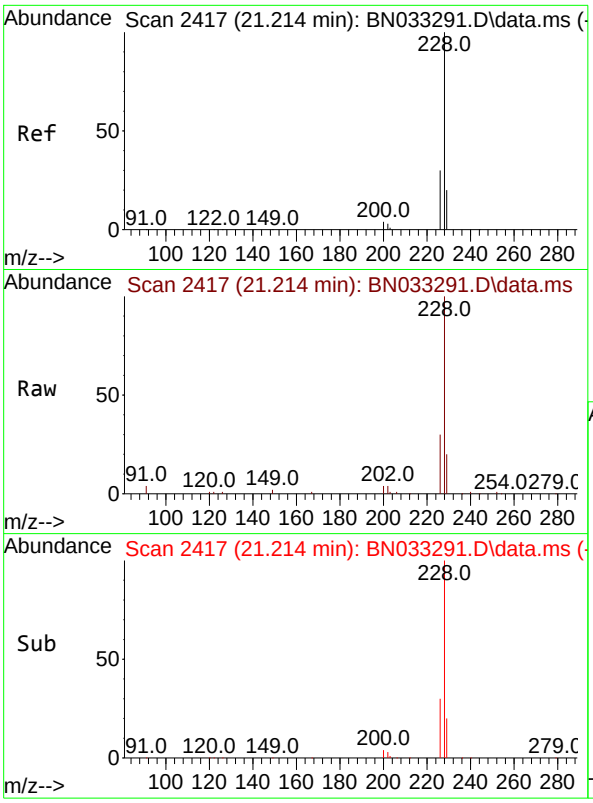


#32
Benzo(a)anthracene
Concen: 0.406 ng
RT: 21.160 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:228 Resp: 31412

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.5	15.6	23.4



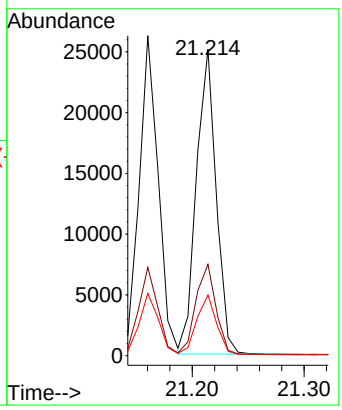


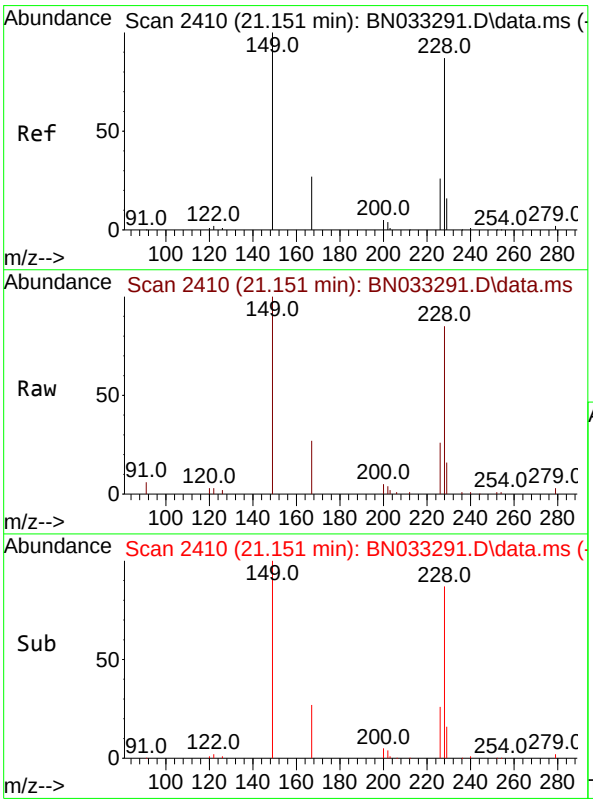
#33
Chrysene
Concen: 0.421 ng
RT: 21.214 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 30817

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.8	15.8	23.8

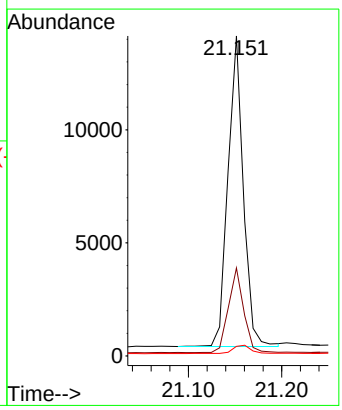


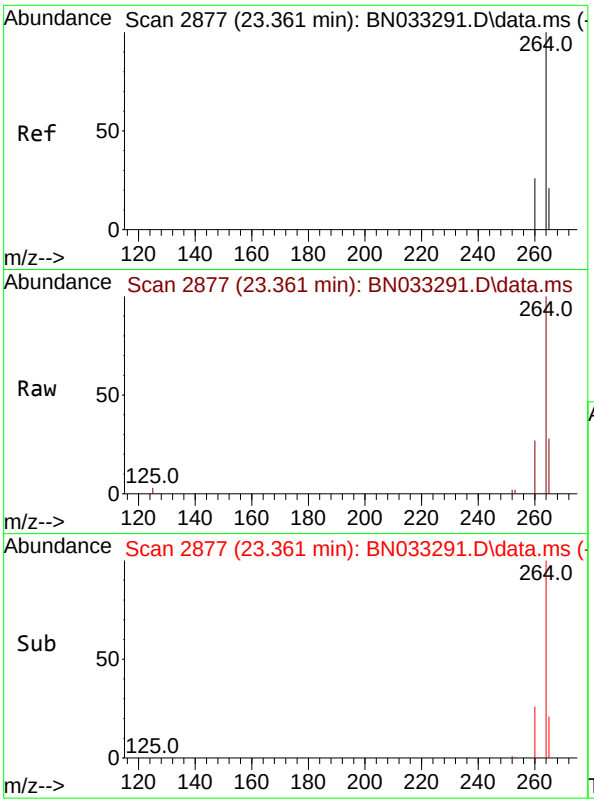


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.297 ng
RT: 21.151 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:149 Resp: 15715

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	3.3	2.6	4.0



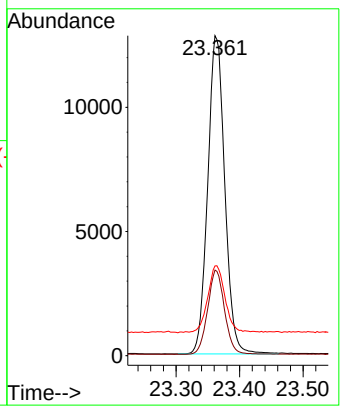


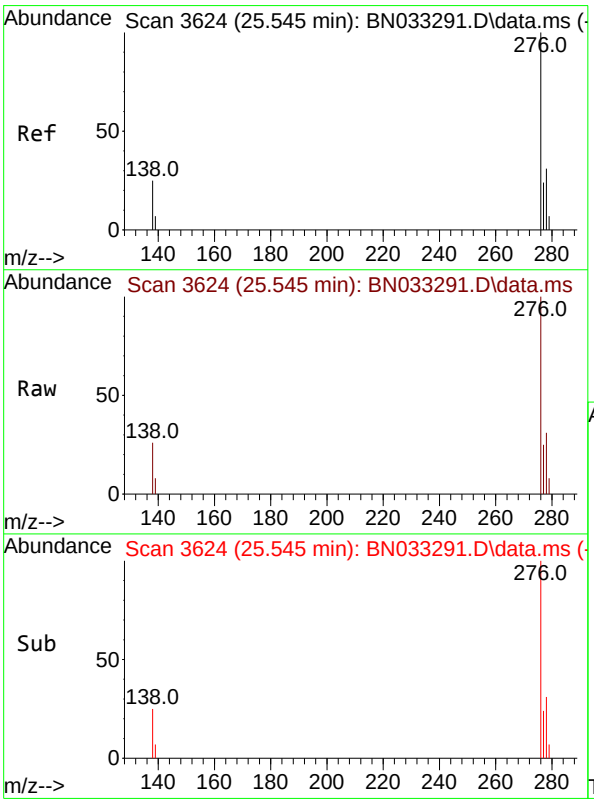
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.361 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 23954

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.4	32.0
265	28.0	22.4	33.6

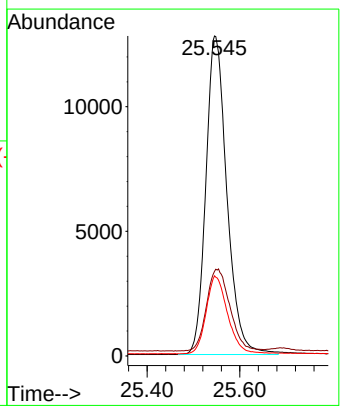


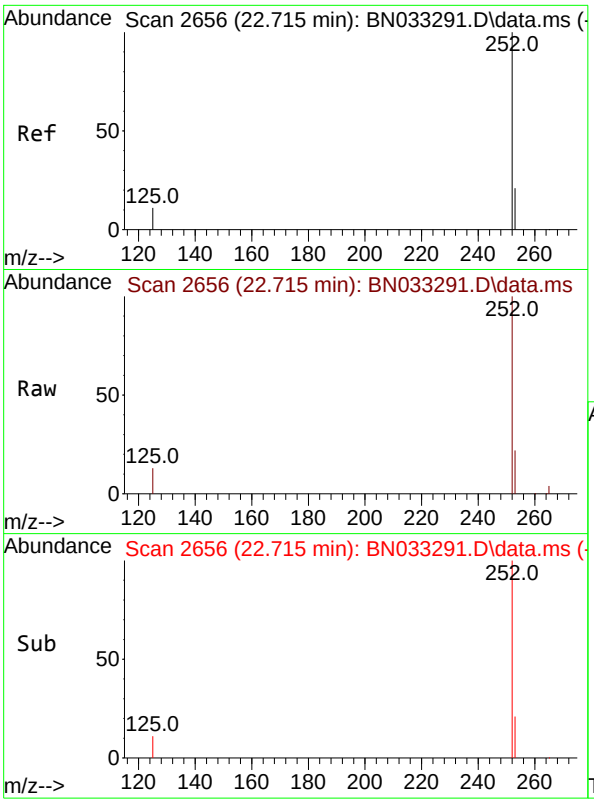


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.451 ng
RT: 25.545 min Scan# 3624
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:276 Resp: 40322

Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.7	34.1
277	24.8	19.8	29.8



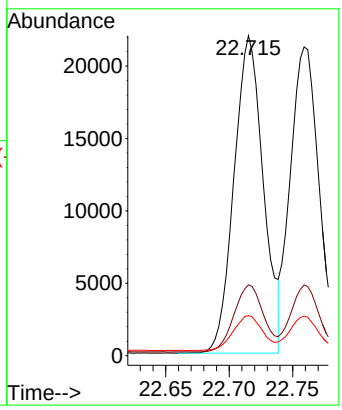


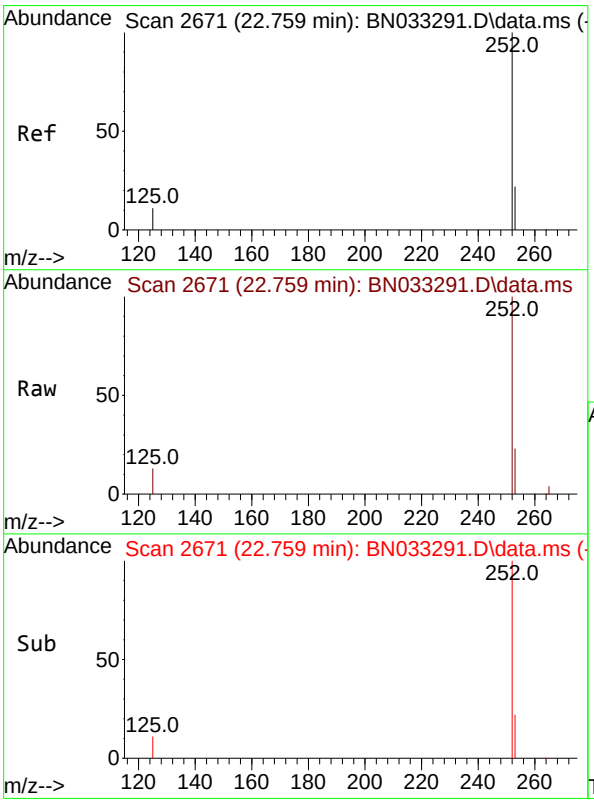
#37
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 22.715 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 35136

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	12.5	10.0	15.0

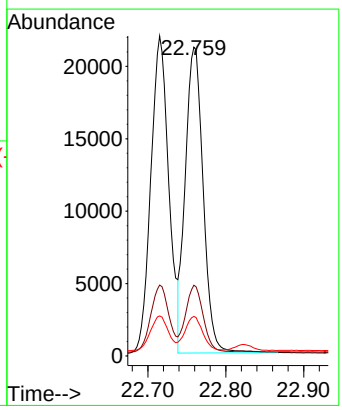


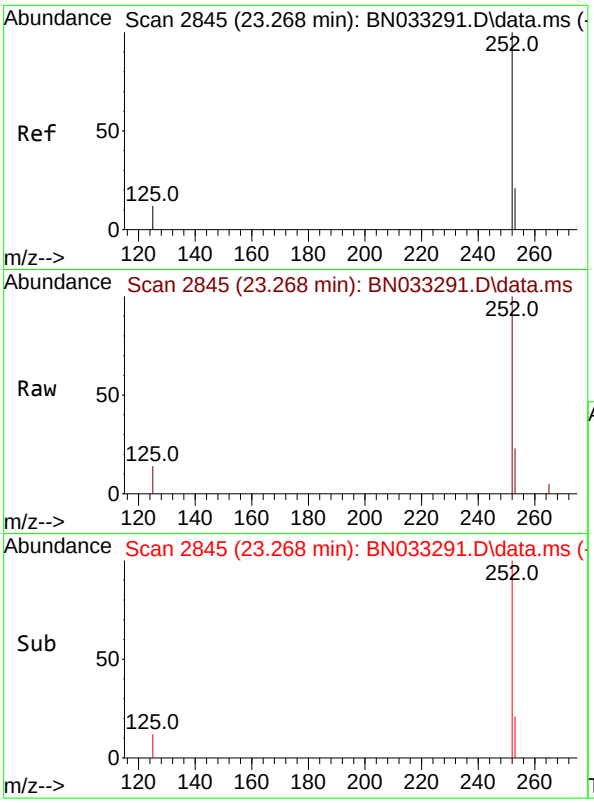


#38
Benzo(k)fluoranthene
Concen: 0.408 ng
RT: 22.759 min Scan# 2671
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:252 Resp: 33662

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	12.8	10.2	15.4



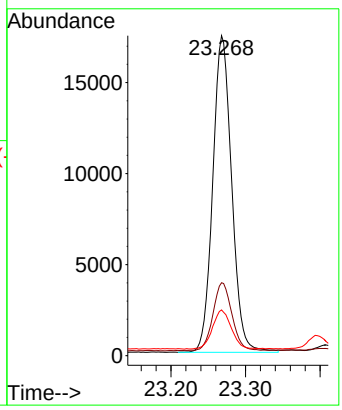


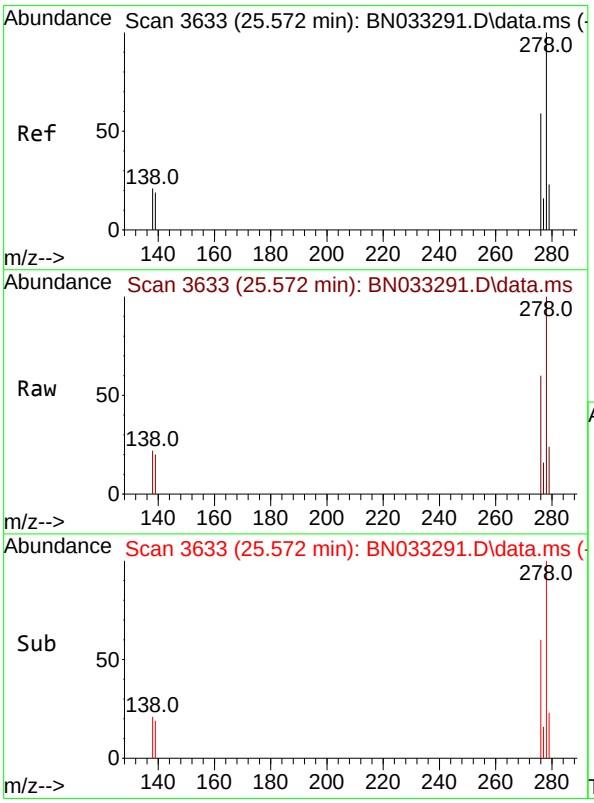
#39
Benzo(a)pyrene
Concen: 0.408 ng
RT: 23.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 30703

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	14.3	11.4	17.2

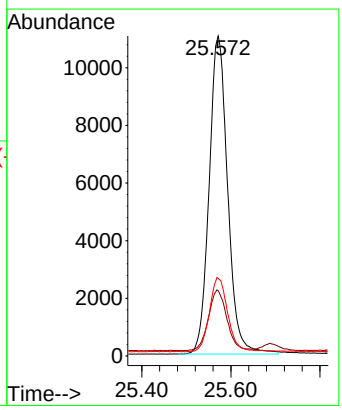


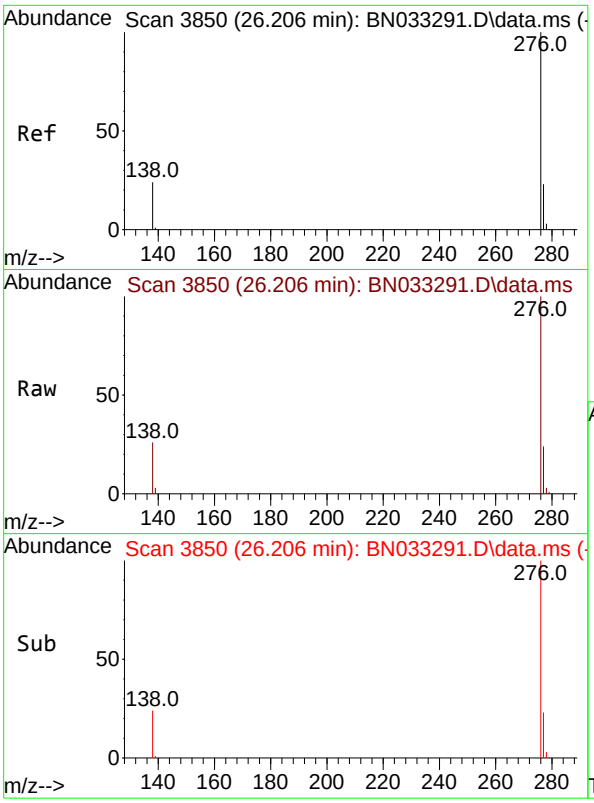


#40
Dibenzo(a,h)anthracene
Concen: 0.454 ng
RT: 25.572 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Tgt Ion:278 Resp: 31980

Ion	Ratio	Lower	Upper
278	100		
139	20.4	16.3	24.5
279	24.3	19.4	29.2





#41
Benzo(g,h,i)perylene
Concen: 0.460 ng
RT: 26.206 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN033291.D
Acq: 07 Aug 2024 20:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 34782

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	26.0	20.8	31.2