Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102224\
Data File : BN034679.D
Acq On : 22 Oct 2024 15:27
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

Quant Time: Oct 22 16:00:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 14:37:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.662	152	7928	0.400	ng		0.00
7) Naphthalene-d8	10.436	136	22844	0.400	ng		0.00
13) Acenaphthene-d10	14.286	164	11956	0.400	ng		0.00
19) Phenanthrene-d10	17.032	188	25634	0.400	ng		0.00
29) Chrysene-d12	21.223	240	20443	0.400	ng		0.00
35) Perylene-d12	23.429	264	20867	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.271	112	74599	2.879	ng		0.00
5) Phenol-d6	6.838	99	97162	2.944	ng		0.00
8) Nitrobenzene-d5	8.803	82	59467	3.294	ng		0.00
11) 2-Methylnaphthalene-d10	12.030	152	102272	3.080	ng		0.00
14) 2,4,6-Tribromophenol	15.778	330	17788	3.052	ng		0.00
15) 2-Fluorobiphenyl	12.918	172	147677	3.289	ng		0.00
27) Fluoranthene-d10	19.066	212	202846	3.123	ng		0.00
31) Terphenyl-d14	19.680	244	124650	3.071	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.242	88	29366	3.129	ng		100
3) n-Nitrosodimethylamine	3.538	42	35776	3.520	ng	#	98
6) bis(2-Chloroethyl)ether	7.098	93	73225	3.169	ng		99
9) Naphthalene	10.479	128	196835	3.174	ng		99
10) Hexachlorobutadiene	10.789	225	31057	2.940	ng	#	98
12) 2-Methylnaphthalene	12.105	142	127397	3.235	ng		97
16) Acenaphthylene	14.008	152	191053	3.286	ng		100
17) Acenaphthene	14.350	154	126632	3.440	ng		98
18) Fluorene	15.345	166	157243	3.426	ng		100
20) 4,6-Dinitro-2-methylph...	15.420	198	12392	5.489	ng	#	56
21) 4-Bromophenyl-phenylether	16.237	248	44678	3.212	ng		97
22) Hexachlorobenzene	16.349	284	48899	3.066	ng		99
23) Atrazine	16.510	200	39858	3.073	ng		99
24) Pentachlorophenol	16.684	266	22449	3.242	ng		98
25) Phenanthrene	17.069	178	238320	3.380	ng		100
26) Anthracene	17.168	178	224395	3.283	ng		100
28) Fluoranthene	19.099	202	276192	3.376	ng		100
30) Pyrene	19.457	202	284592	3.458	ng		100
32) Benzo(a)anthracene	21.205	228	249209	3.342	ng		99
33) Chrysene	21.259	228	239617	3.352	ng		99
34) Bis(2-ethylhexyl)phtha...	21.178	149	172496	3.354	ng		99
36) Indeno(1,2,3-cd)pyrene	25.645	276	245549	3.060	ng		100
37) Benzo(b)fluoranthene	22.771	252	242764	3.418	ng	#	92
38) Benzo(k)fluoranthene	22.815	252	240992	3.527	ng	#	92
39) Benzo(a)pyrene	23.332	252	208149	3.318	ng	#	90
40) Dibenzo(a,h)anthracene	25.662	278	192155	3.003	ng		97
41) Benzo(g,h,i)perylene	26.311	276	207890	3.026	ng		98

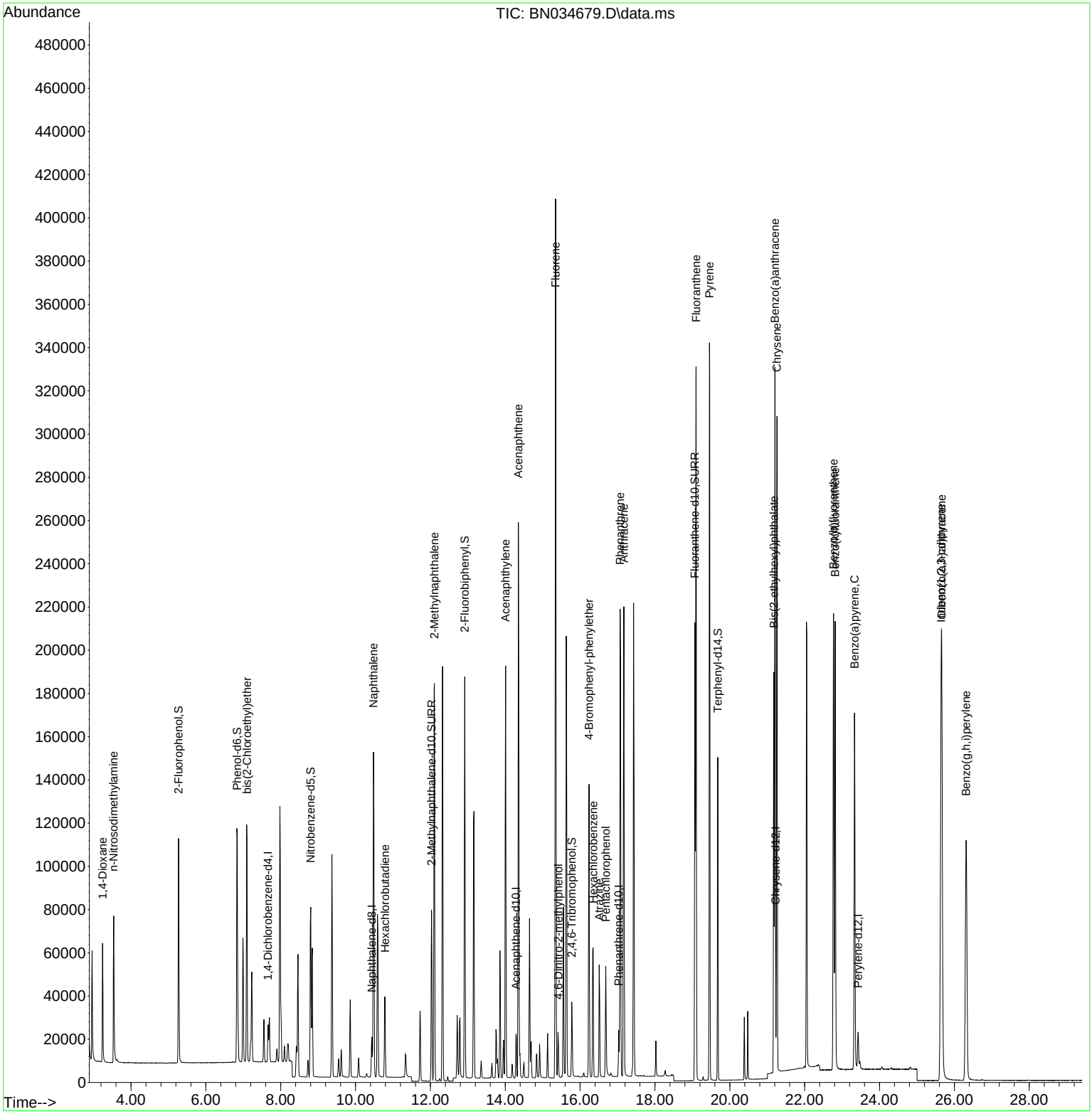
(#) = qualifier out of range (m) = manual integration (+) = signals summed

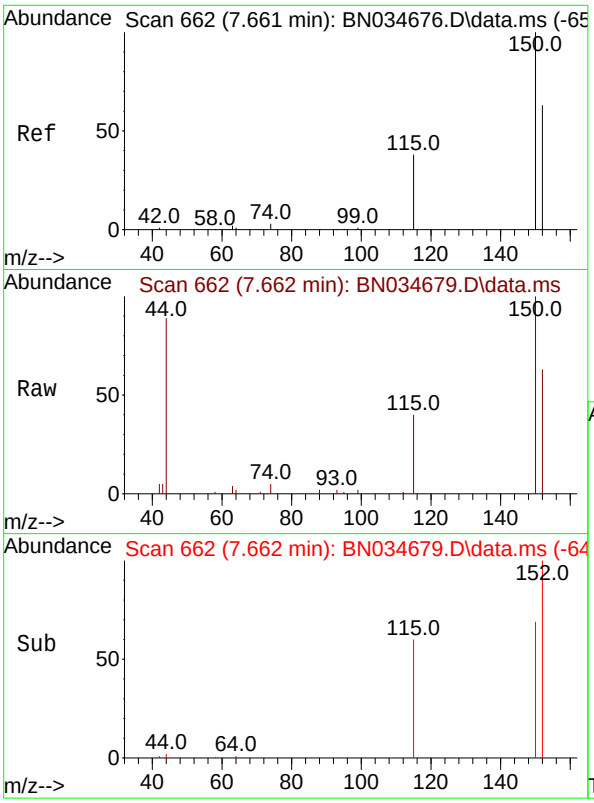
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102224\
Data File : BN034679.D
Acq On : 22 Oct 2024 15:27
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Oct 22 16:00:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 14:37:13 2024
Response via : Initial Calibration



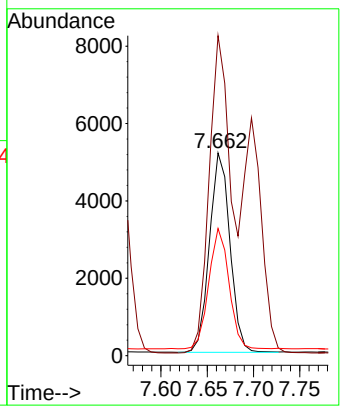


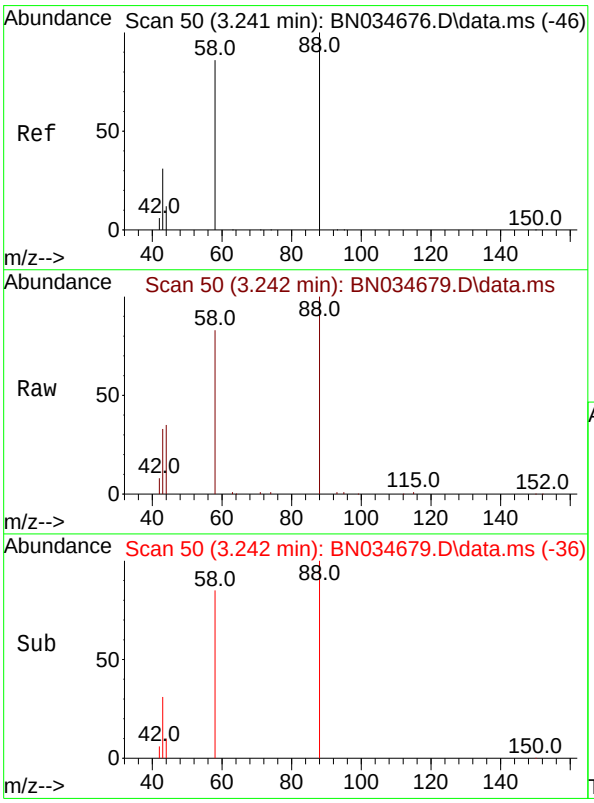
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.662 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 7928

Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	62.7	50.6	76.0

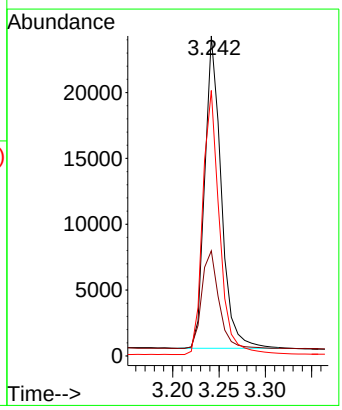


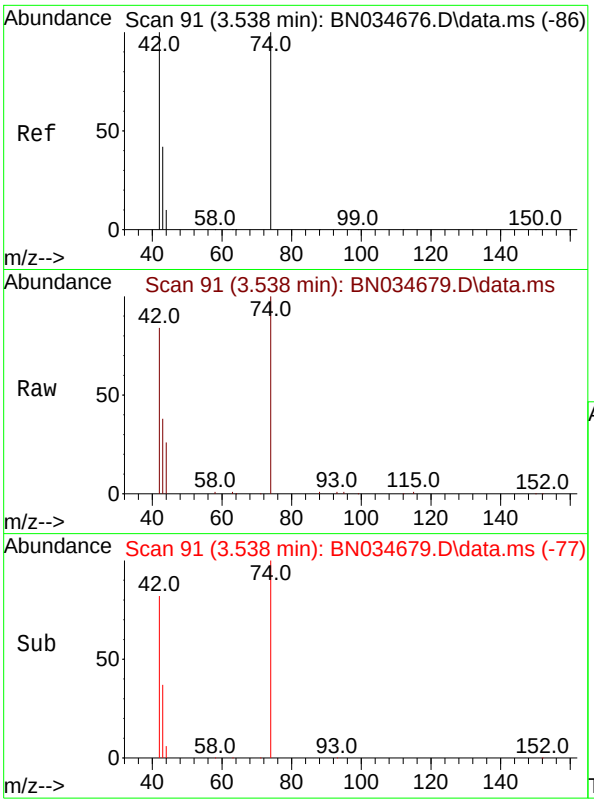


#2
1,4-Dioxane
Concen: 3.129 ng
RT: 3.242 min Scan# 50
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion: 88 Resp: 29366

Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.4	39.6
58	86.1	68.8	103.2



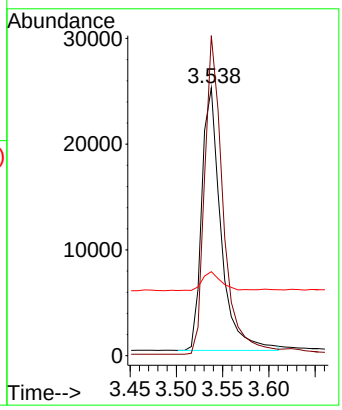


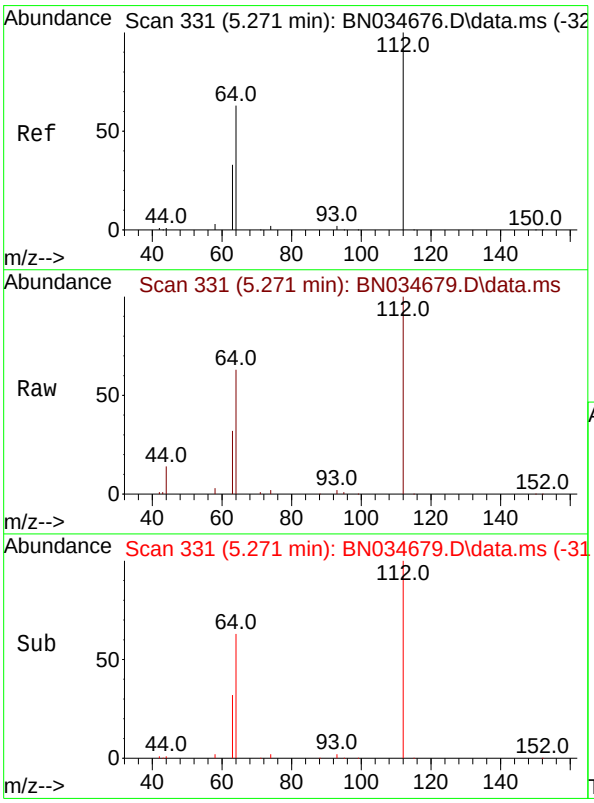
#3
n-Nitrosodimethylamine
Concen: 3.520 ng
RT: 3.538 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 35776

Ion	Ratio	Lower	Upper
42	100		
74	117.2	94.6	141.8
44	7.2	9.6	14.4#

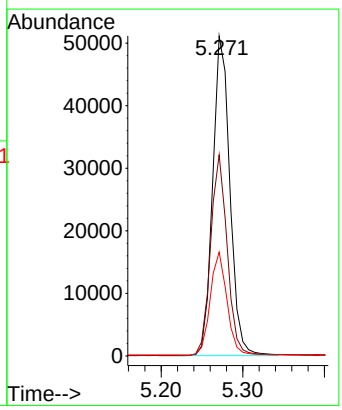


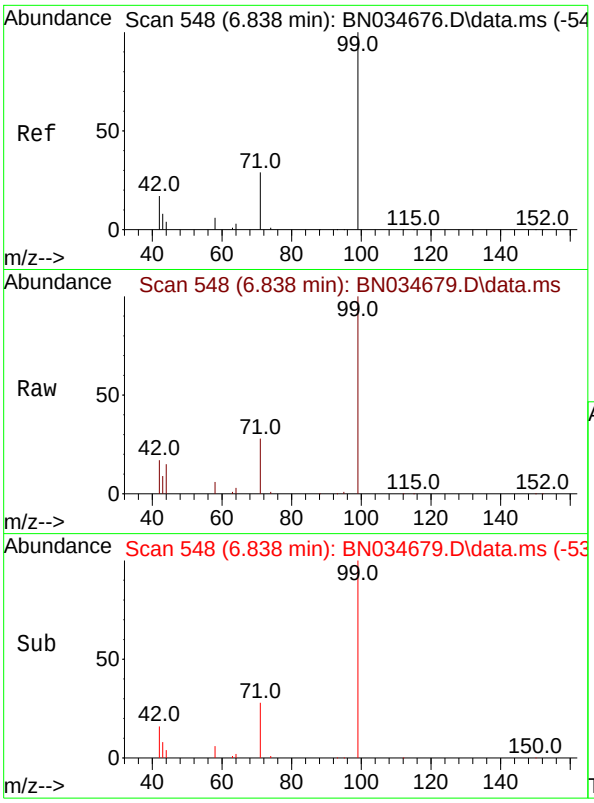


#4
2-Fluorophenol
Concen: 2.879 ng
RT: 5.271 min Scan# 331
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:112 Resp: 74599

Ion	Ratio	Lower	Upper
112	100		
64	60.9	48.4	72.6
63	31.3	25.0	37.6



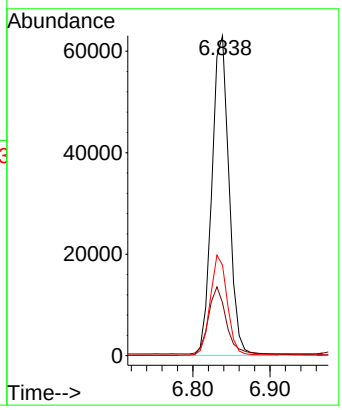


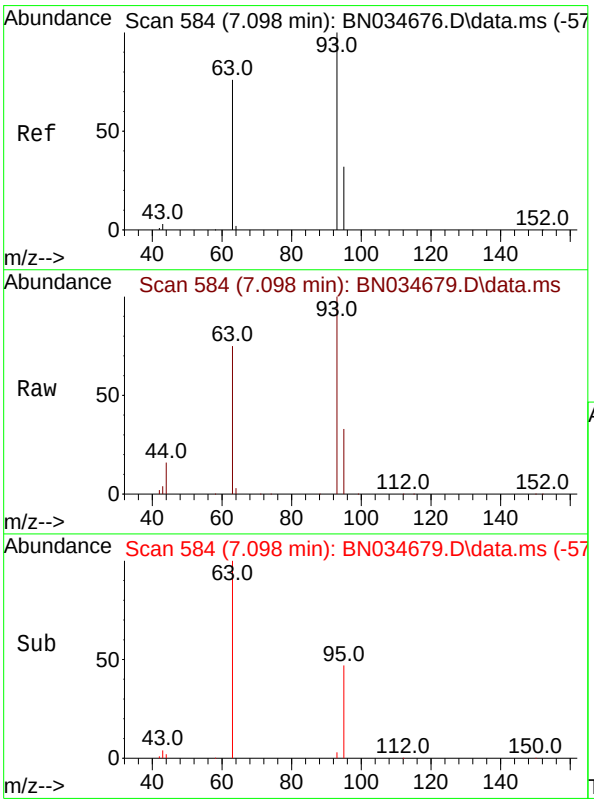
#5
Phenol-d6
Concen: 2.944 ng
RT: 6.838 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 97162

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	31.1	25.0	37.4

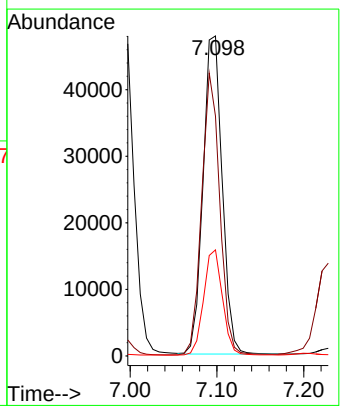


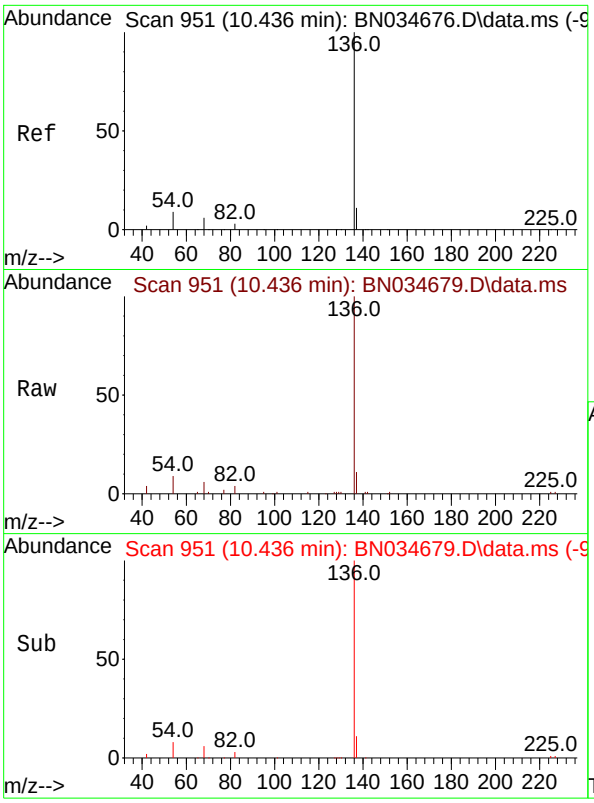


#6
bis(2-Chloroethyl)ether
Concen: 3.169 ng
RT: 7.098 min Scan# 584
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion: 93 Resp: 73225

Ion	Ratio	Lower	Upper
93	100		
63	83.8	66.3	99.5
95	32.5	26.1	39.1



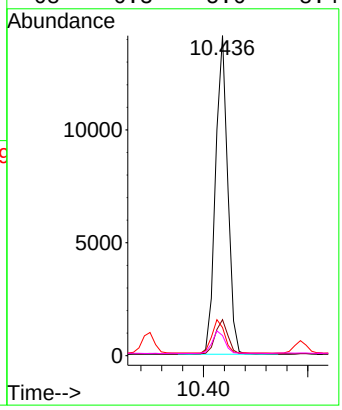


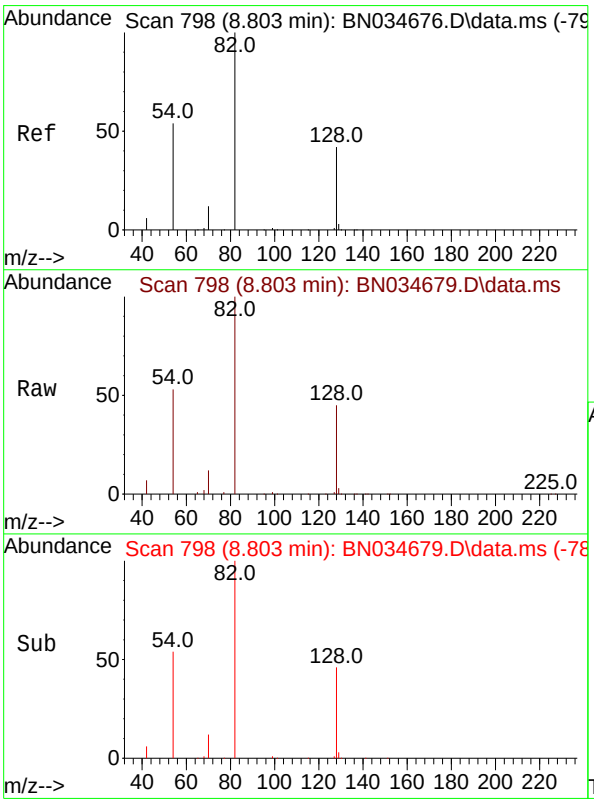
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.436 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 22844

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.8	7.5	11.3
68	6.3	5.6	8.4

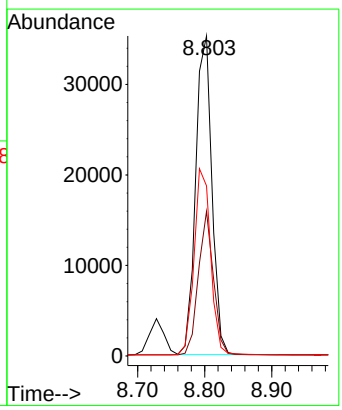


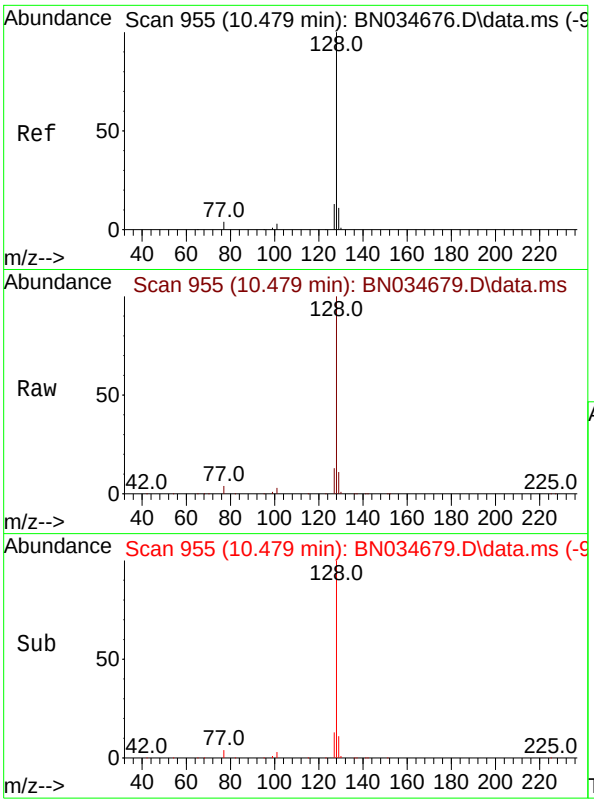


#8
Nitrobenzene-d5
Concen: 3.294 ng
RT: 8.803 min Scan# 798
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion: 82 Resp: 59467

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.4	53.0
54	53.2	44.6	67.0



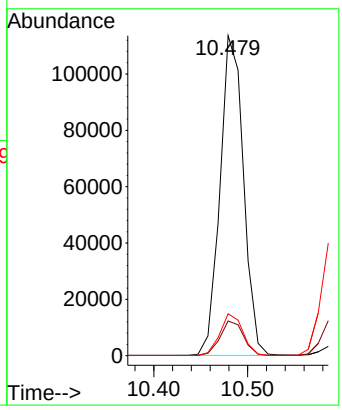


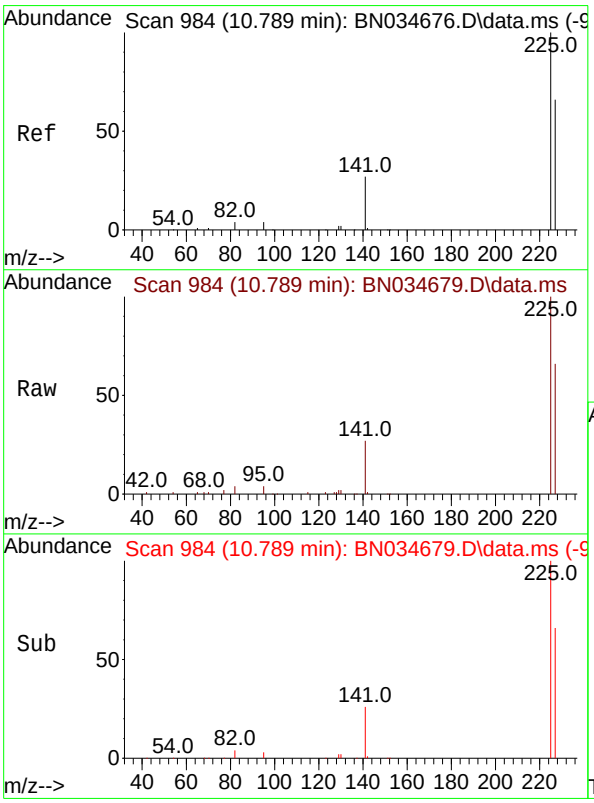
#9
Naphthalene
Concen: 3.174 ng
RT: 10.479 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 196835

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.1	10.7	16.1

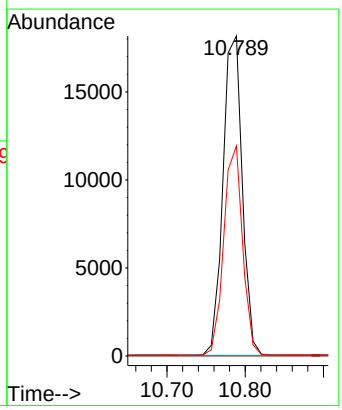


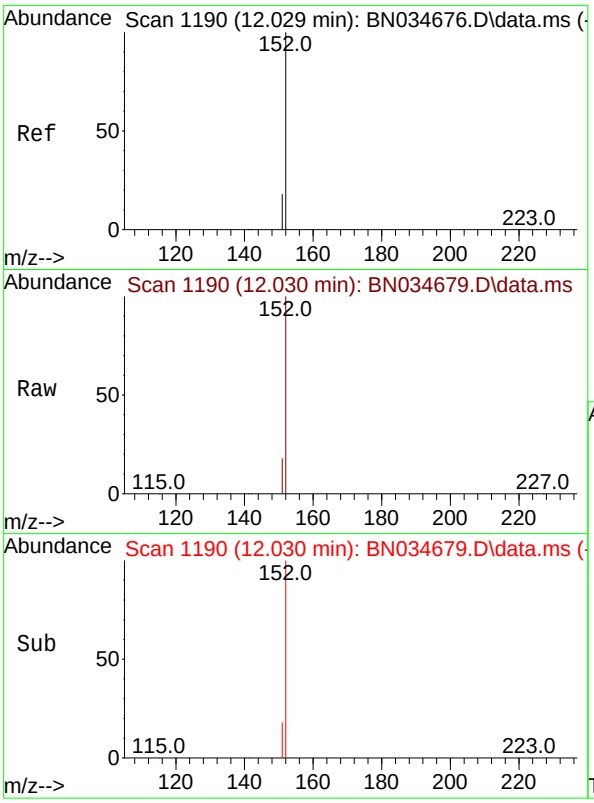


#10
Hexachlorobutadiene
Concen: 2.940 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:225 Resp: 31057

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	52.1	78.1



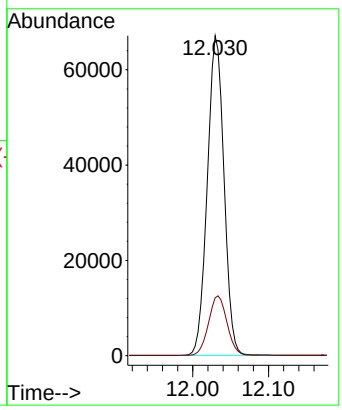


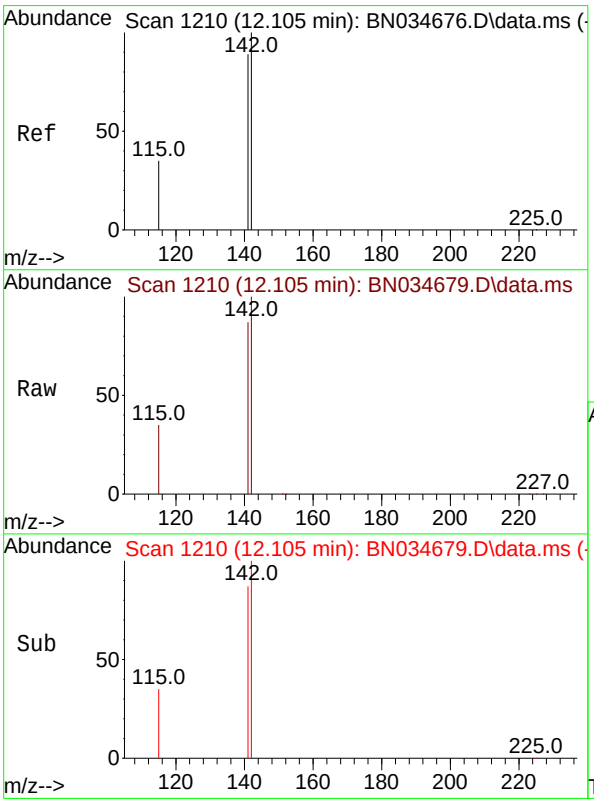
#11
2-Methylnaphthalene-d10
Concen: 3.080 ng
RT: 12.030 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 102272

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.7	25.1

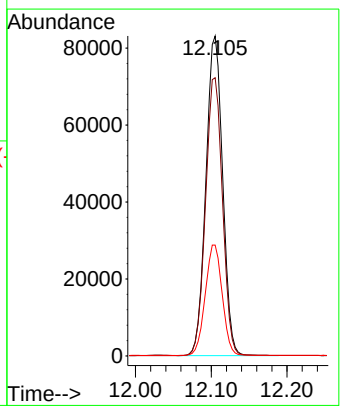


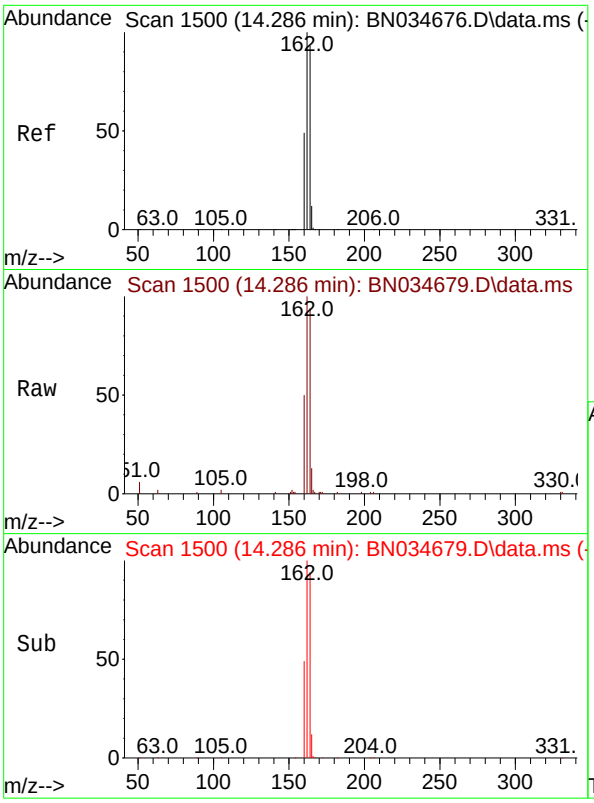


#12
2-Methylnaphthalene
Concen: 3.235 ng
RT: 12.105 min Scan# 1210
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:142 Resp: 127397

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.5	107.3
115	34.7	29.0	43.6



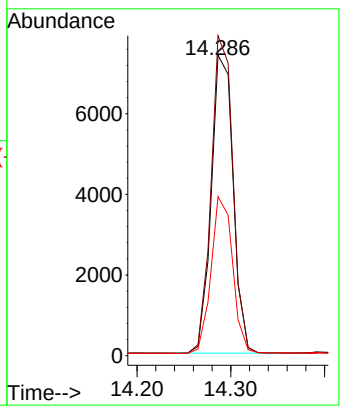


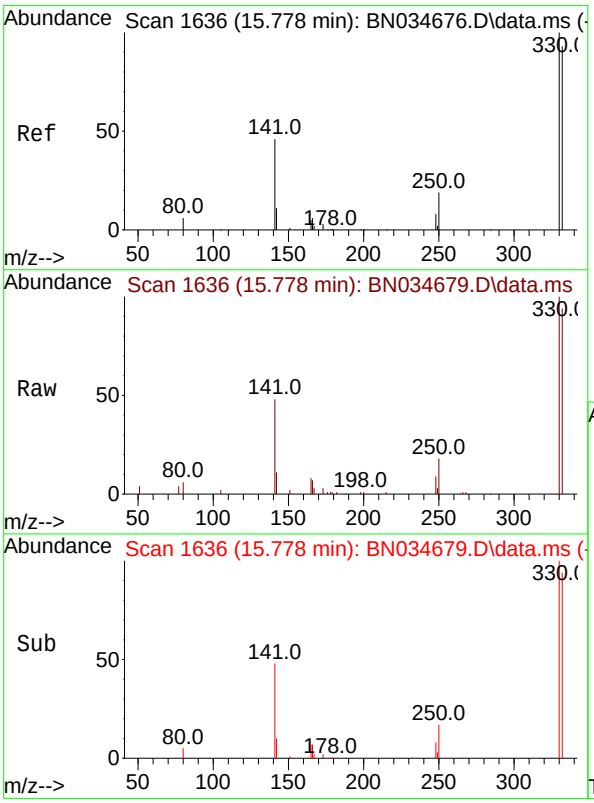
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 11956

Ion	Ratio	Lower	Upper
164	100		
162	106.5	86.2	129.4
160	53.0	42.3	63.5

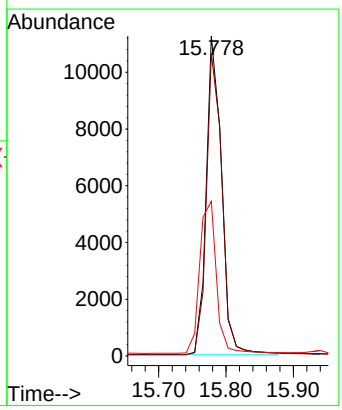


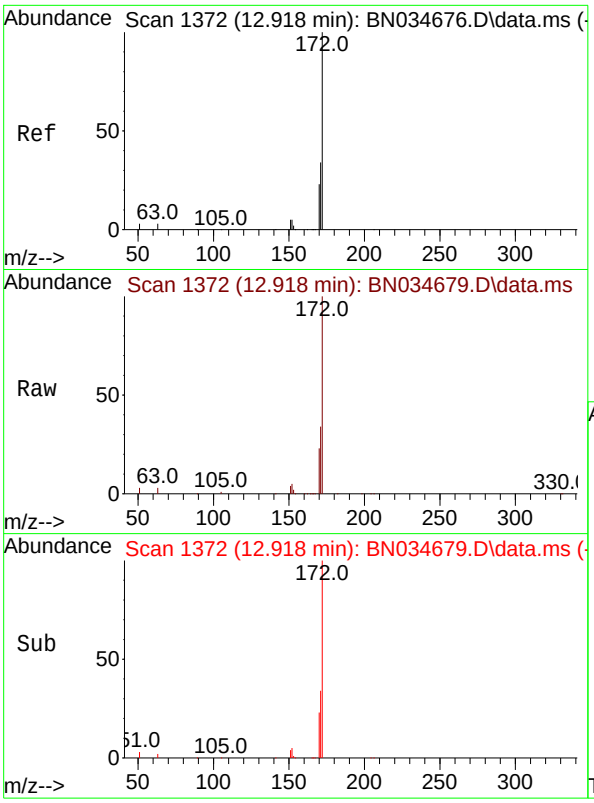


#14
2,4,6-Tribromophenol
Concen: 3.052 ng
RT: 15.778 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:330 Resp: 17788

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.4	114.6
141	52.0	41.4	62.2



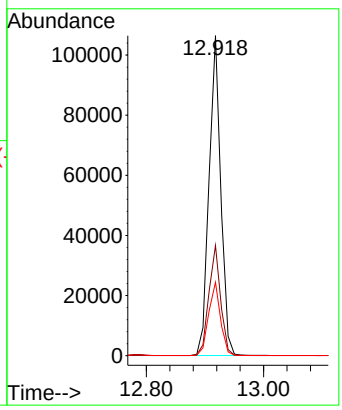


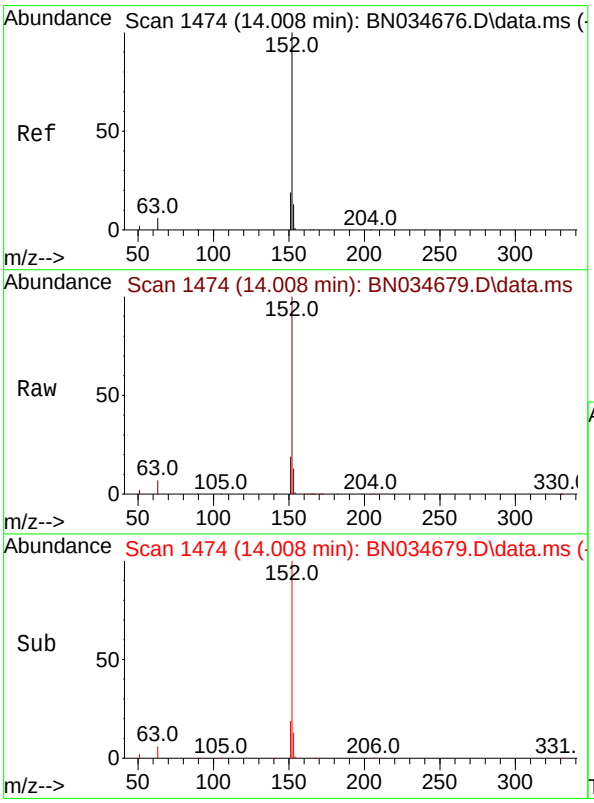
#15
2-Fluorobiphenyl
Concen: 3.289 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 147677

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.7	41.5
170	22.9	18.7	28.1

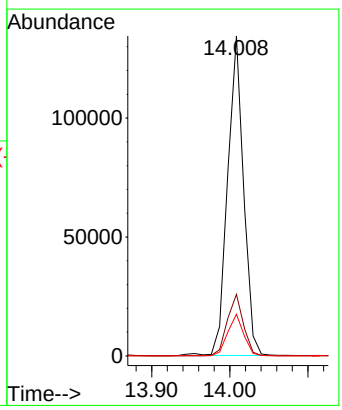


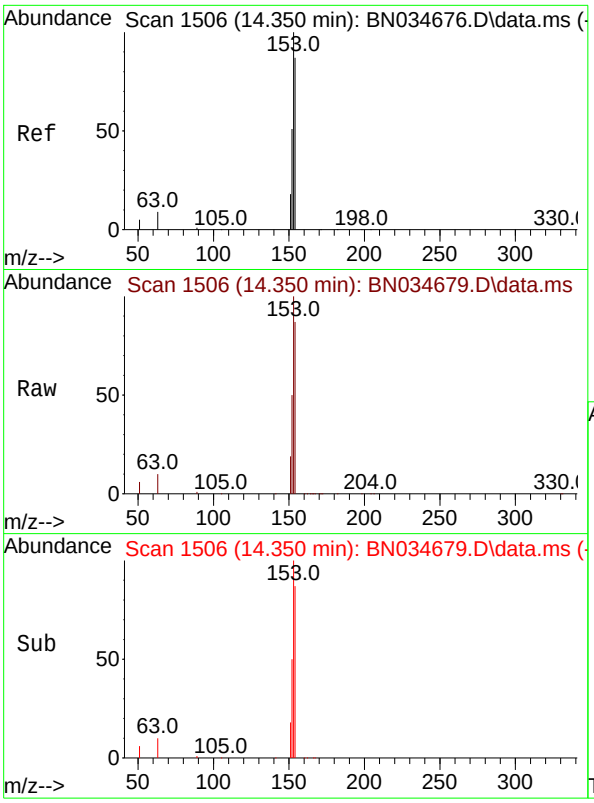


#16
Acenaphthylene
Concen: 3.286 ng
RT: 14.008 min Scan# 1474
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:152 Resp: 191053

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.0	10.3	15.5





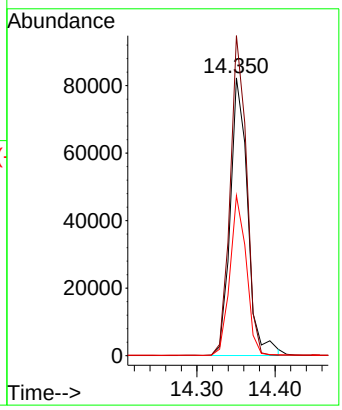
#17
Acenaphthene
Concen: 3.440 ng
RT: 14.350 min Scan# 1

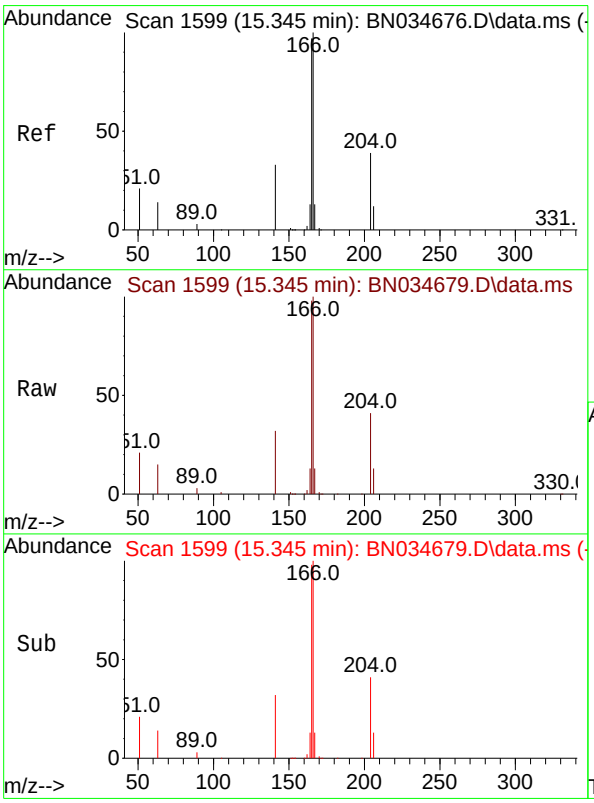
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:154 Resp: 126632

Ion	Ratio	Lower	Upper
154	100		
153	108.4	87.5	131.3
152	53.9	44.9	67.3

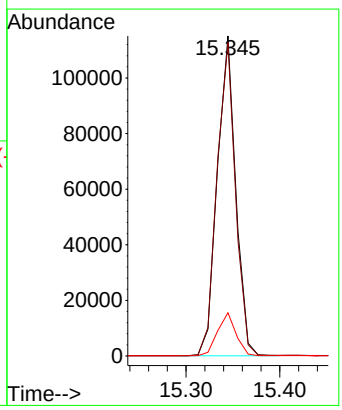


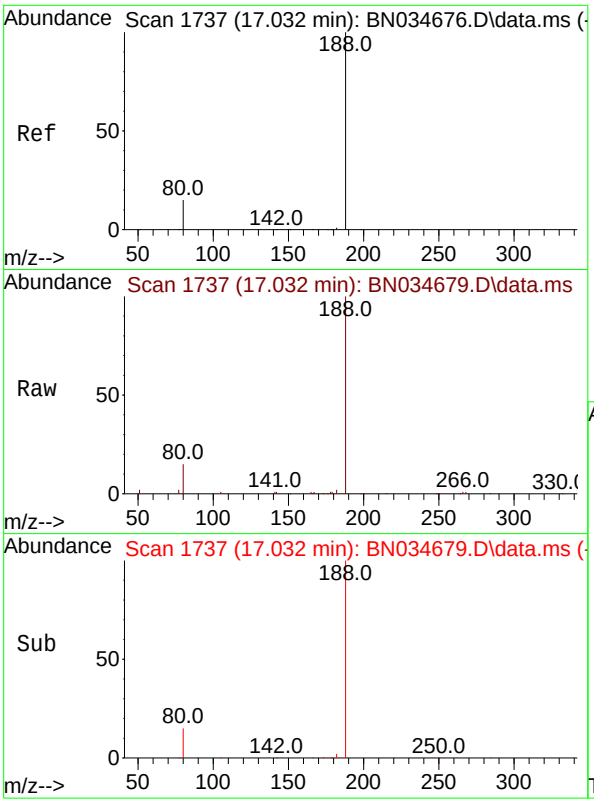


#18
Fluorene
Concen: 3.426 ng
RT: 15.345 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:166 Resp: 157243

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.3	117.5
167	13.4	10.8	16.2



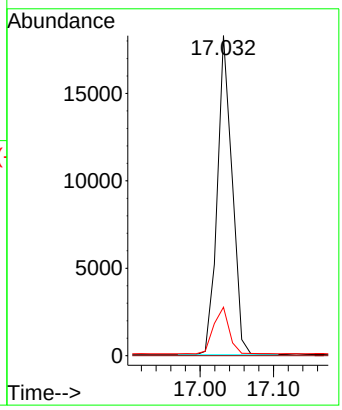


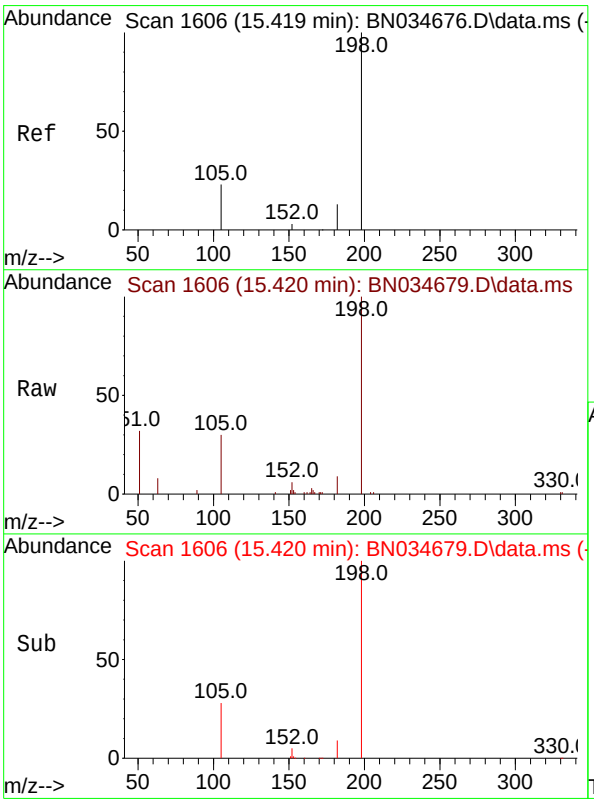
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 25634

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.2	12.6	19.0

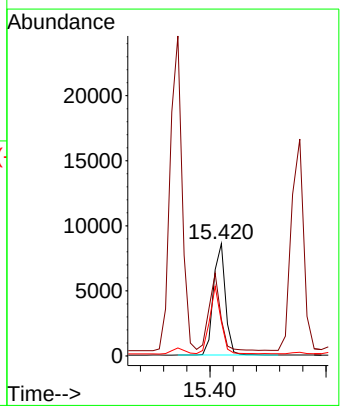


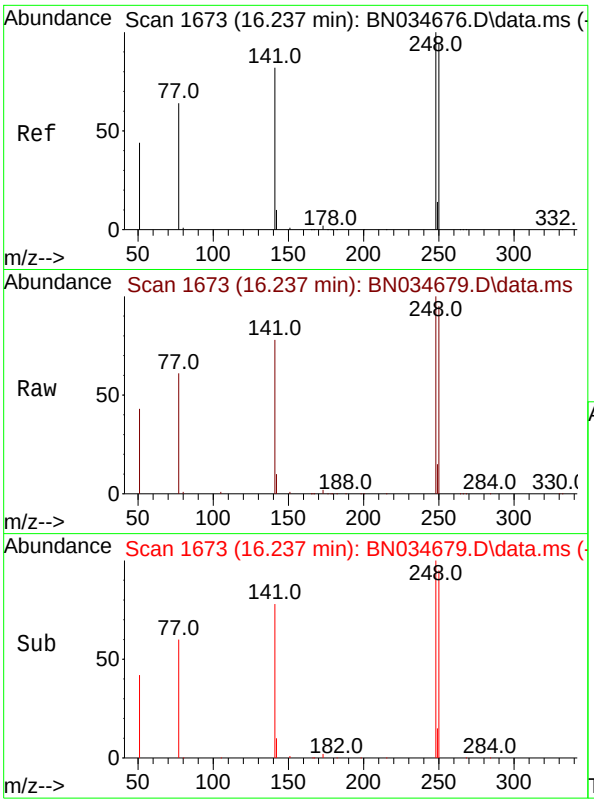


#20
4,6-Dinitro-2-methylphenol
Concen: 5.489 ng
RT: 15.420 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:198 Resp: 12392

Ion	Ratio	Lower	Upper
198	100		
51	32.4	64.3	96.5#
105	30.3	38.6	57.8#



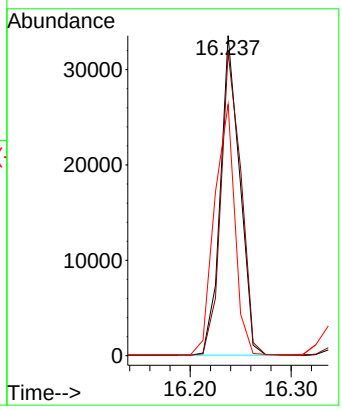


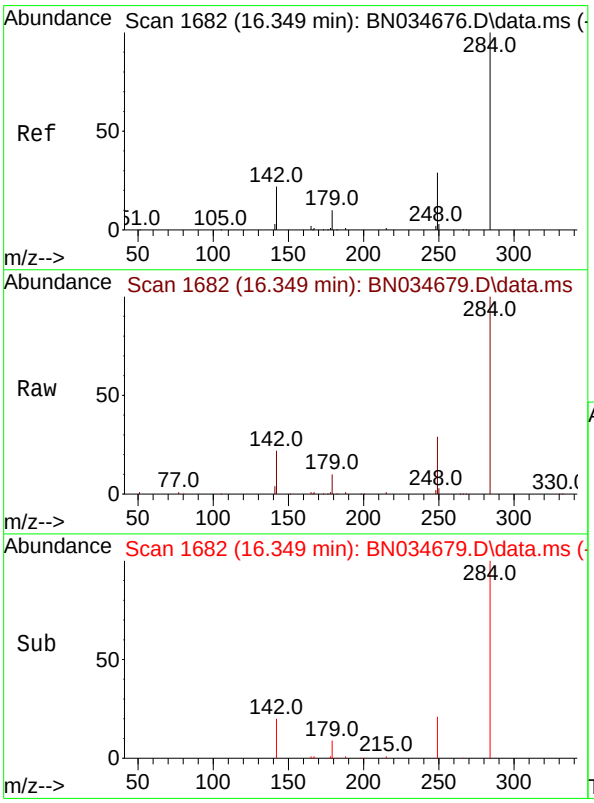
#21
4-Bromophenyl-phenylether
Concen: 3.212 ng
RT: 16.237 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 44678

Ion	Ratio	Lower	Upper
248	100		
250	94.9	75.3	112.9
141	78.5	66.5	99.7

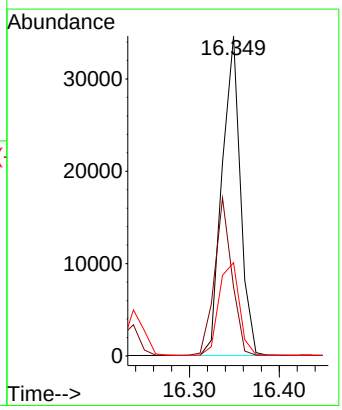


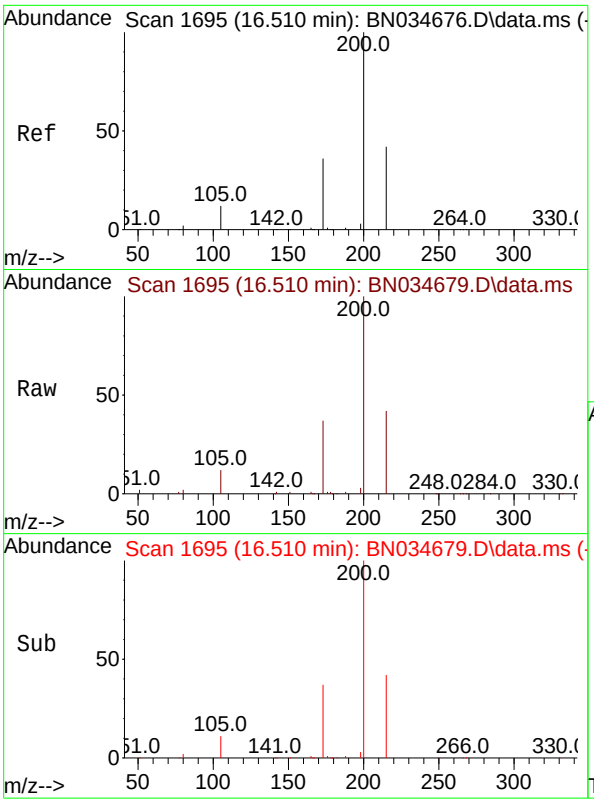


#22
Hexachlorobenzene
Concen: 3.066 ng
RT: 16.349 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:284 Resp: 48899

Ion	Ratio	Lower	Upper
284	100		
142	46.7	36.9	55.3
249	32.6	25.4	38.0



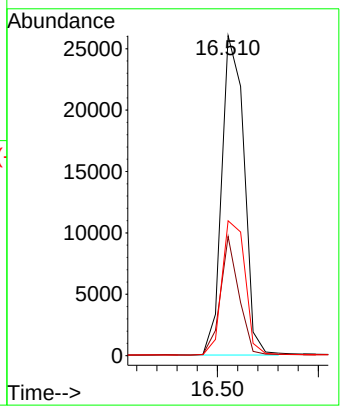


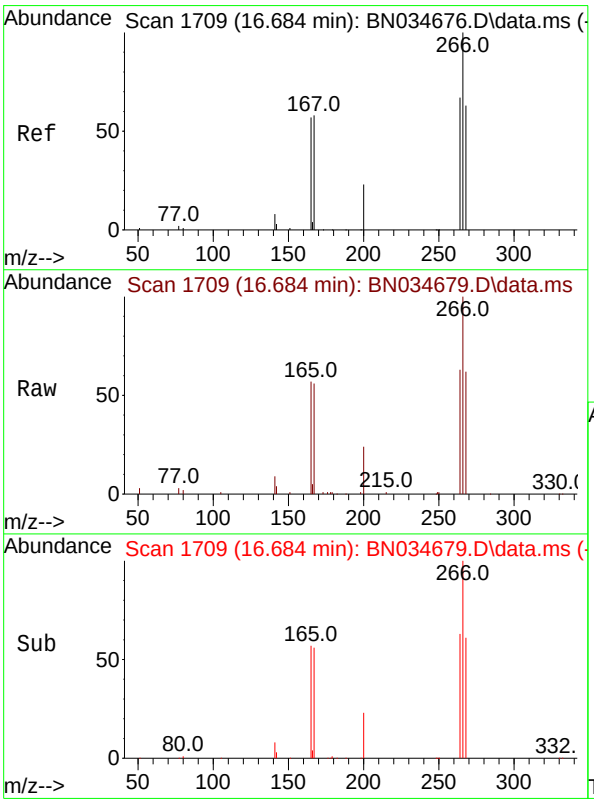
#23
Atrazine
Concen: 3.073 ng
RT: 16.510 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 39858

Ion	Ratio	Lower	Upper
200	100		
173	37.2	30.0	45.0
215	42.2	34.6	52.0

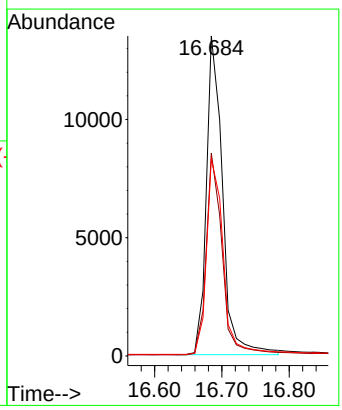


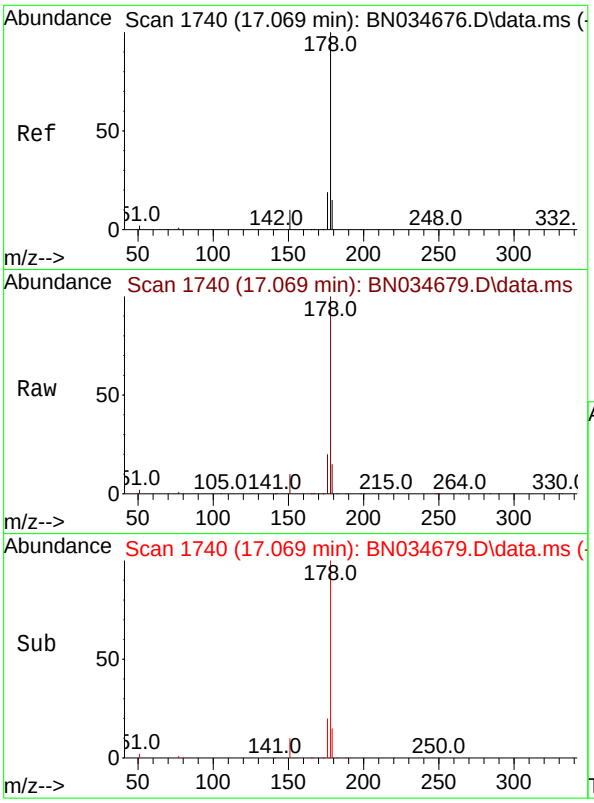


#24
Pentachlorophenol
Concen: 3.242 ng
RT: 16.684 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:266 Resp: 22449

Ion	Ratio	Lower	Upper
266	100		
264	62.2	51.8	77.6
268	63.4	51.6	77.4



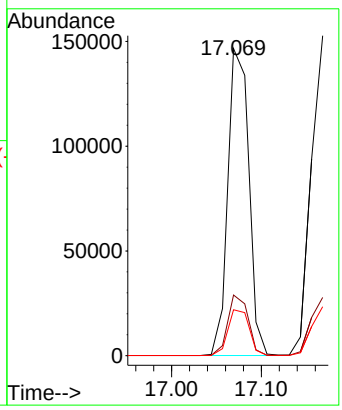


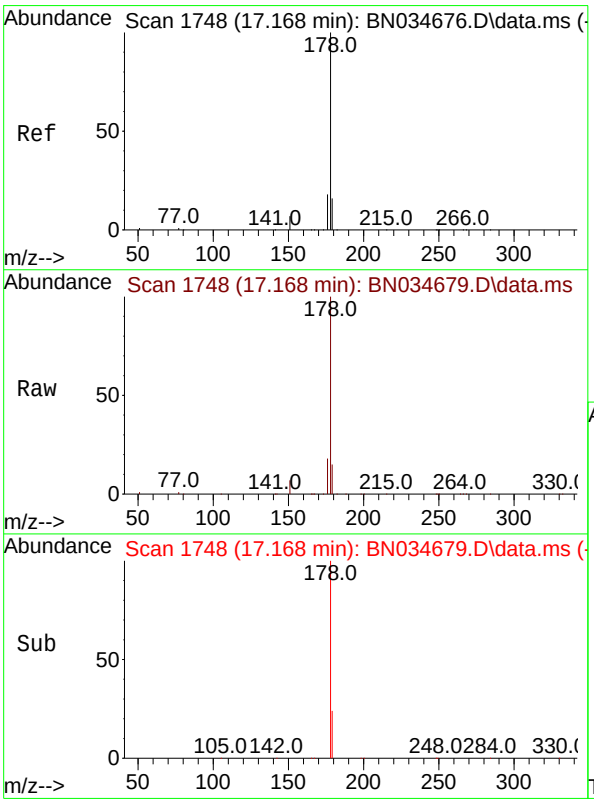
#25
Phenanthrene
Concen: 3.380 ng
RT: 17.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 238320

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.1	12.2	18.4

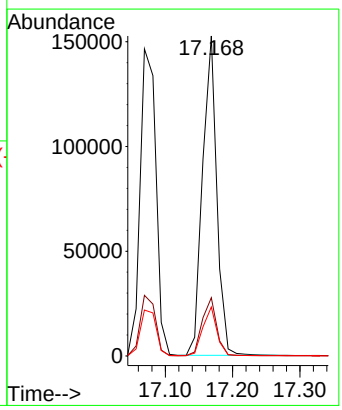


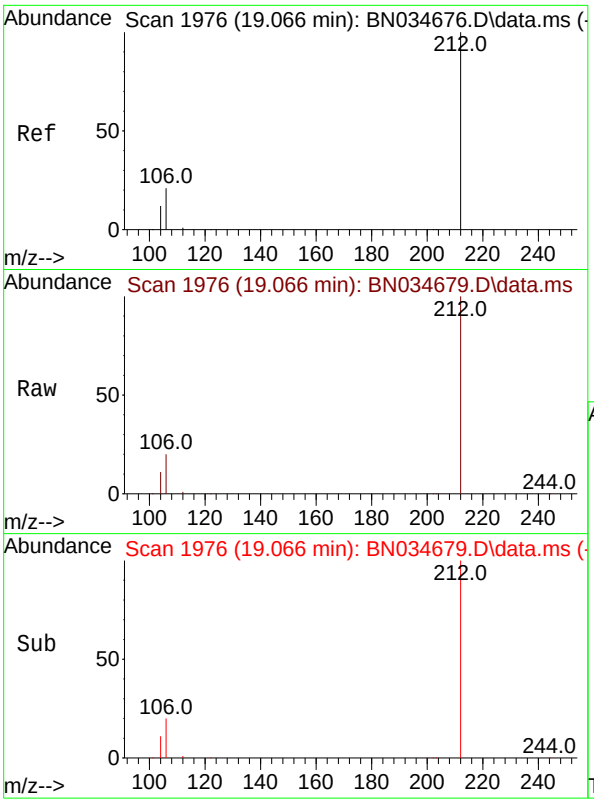


#26
Anthracene
Concen: 3.283 ng
RT: 17.168 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:178 Resp: 224395

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.1	12.3	18.5



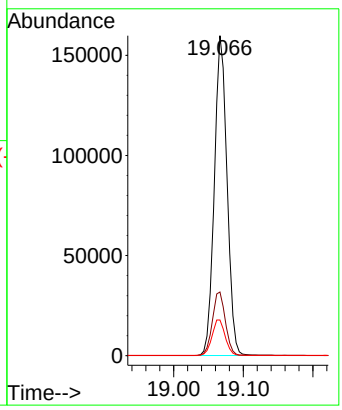


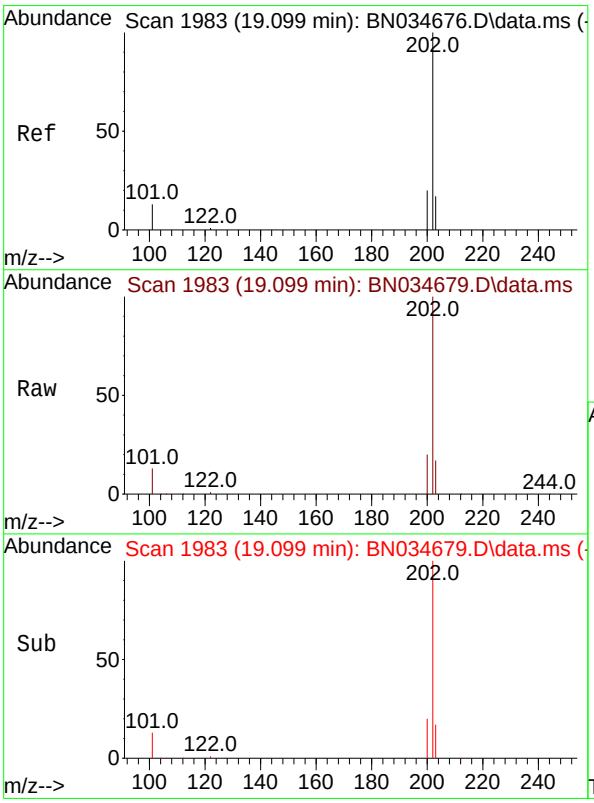
#27
Fluoranthene-d10
Concen: 3.123 ng
RT: 19.066 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 202846

Ion	Ratio	Lower	Upper
212	100		
106	20.3	16.5	24.7
104	11.5	9.4	14.0

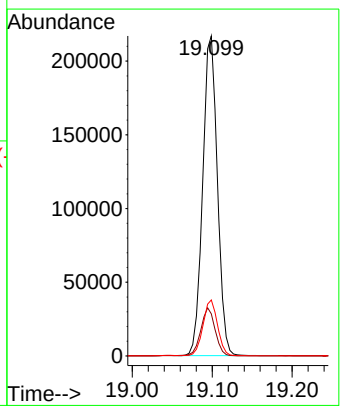


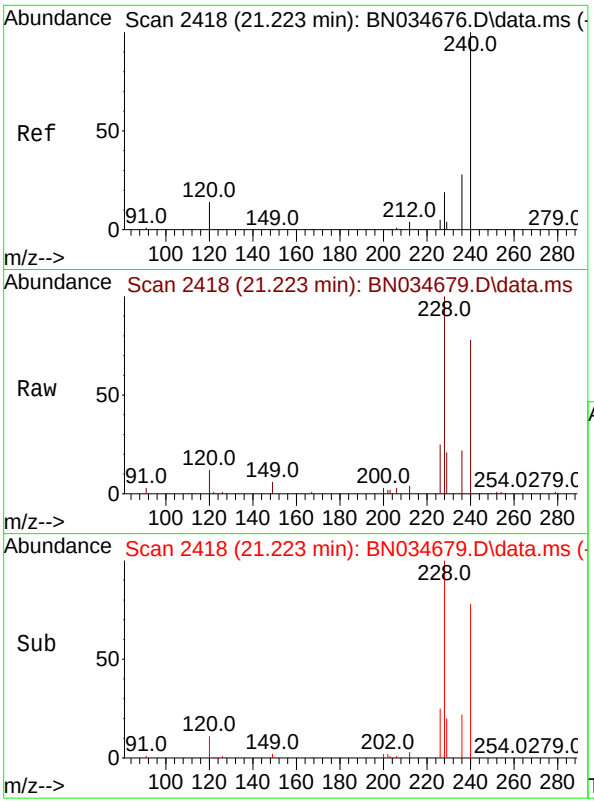


#28
Fluoranthene
Concen: 3.376 ng
RT: 19.099 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:202 Resp: 276192

Ion	Ratio	Lower	Upper
202	100		
101	14.8	11.8	17.6
203	17.2	13.8	20.6



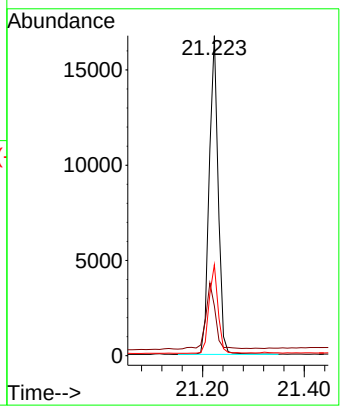


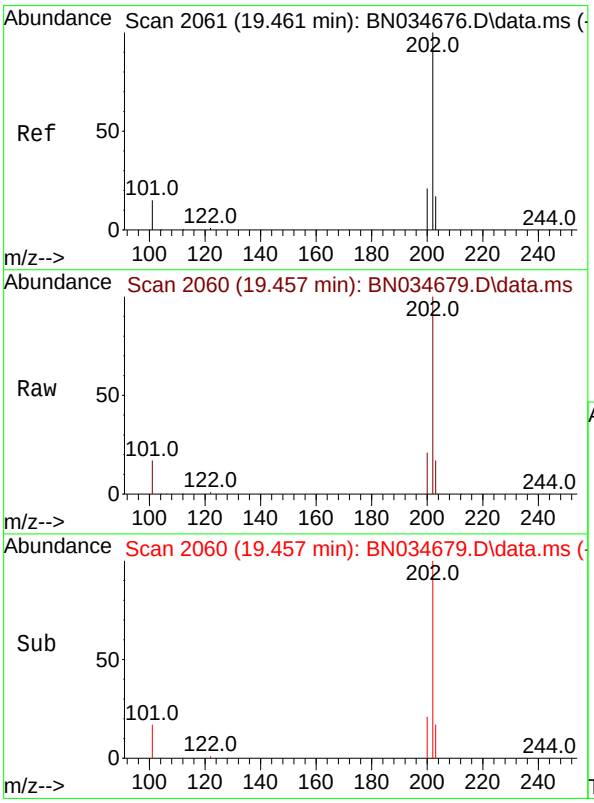
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.223 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 20443

Ion	Ratio	Lower	Upper
240	100		
120	15.6	13.3	19.9
236	28.4	22.9	34.3

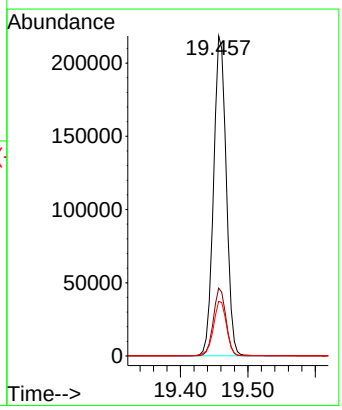


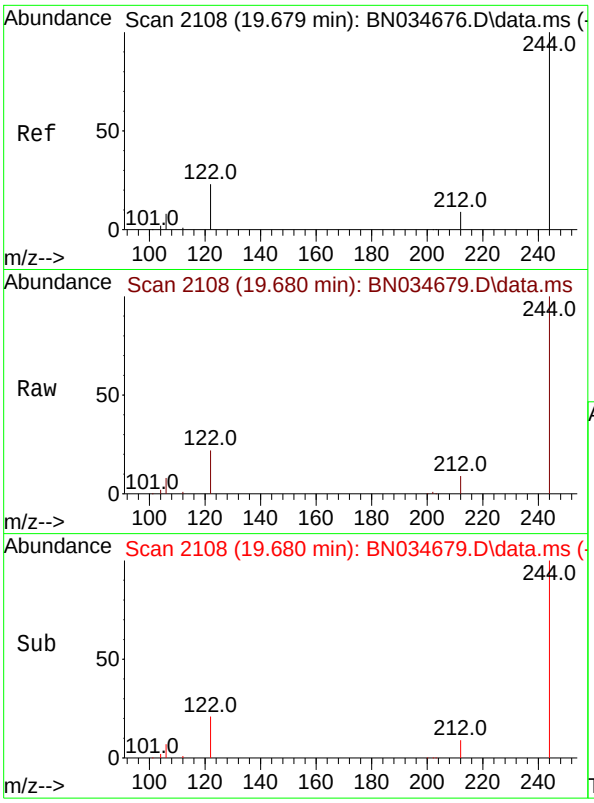


#30
Pyrene
Concen: 3.458 ng
RT: 19.457 min Scan# 2060
Delta R.T. -0.005 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:202 Resp: 284592

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.7	14.2	21.2



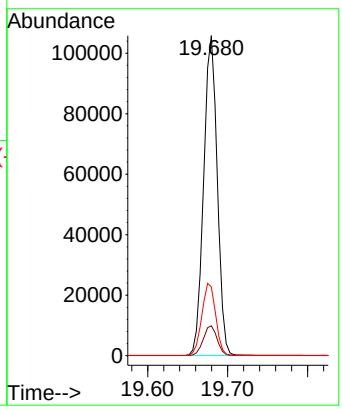


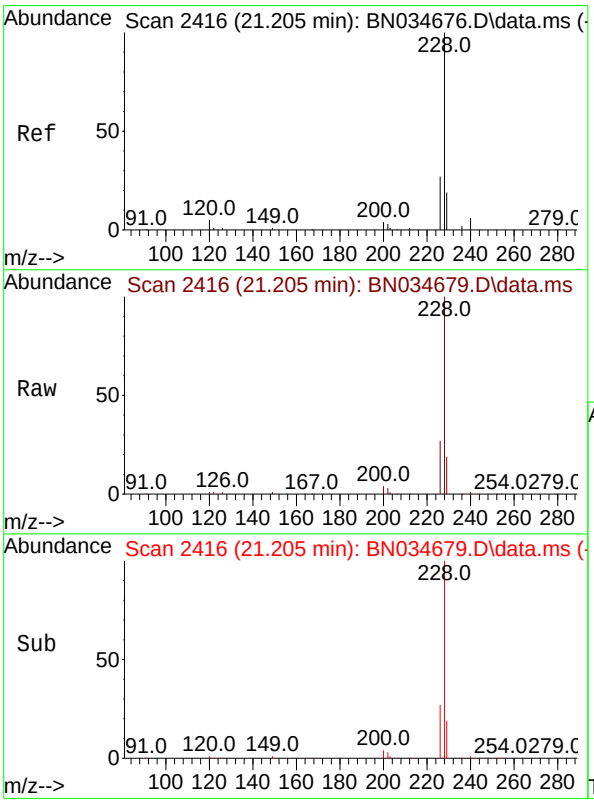
#31
Terphenyl-d14
Concen: 3.071 ng
RT: 19.680 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 124650

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.0	12.0
122	21.5	19.1	28.7

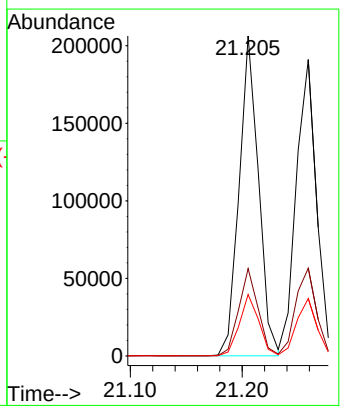


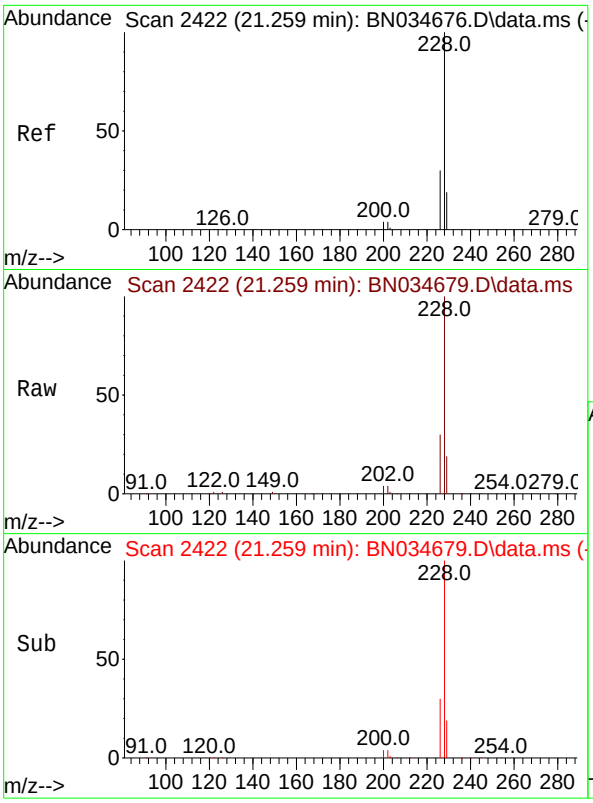


#32
Benzo(a)anthracene
Concen: 3.342 ng
RT: 21.205 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:228 Resp: 249209

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.2	15.6	23.4



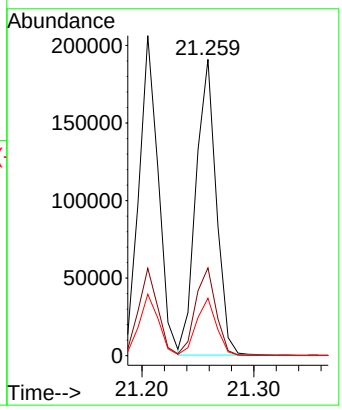


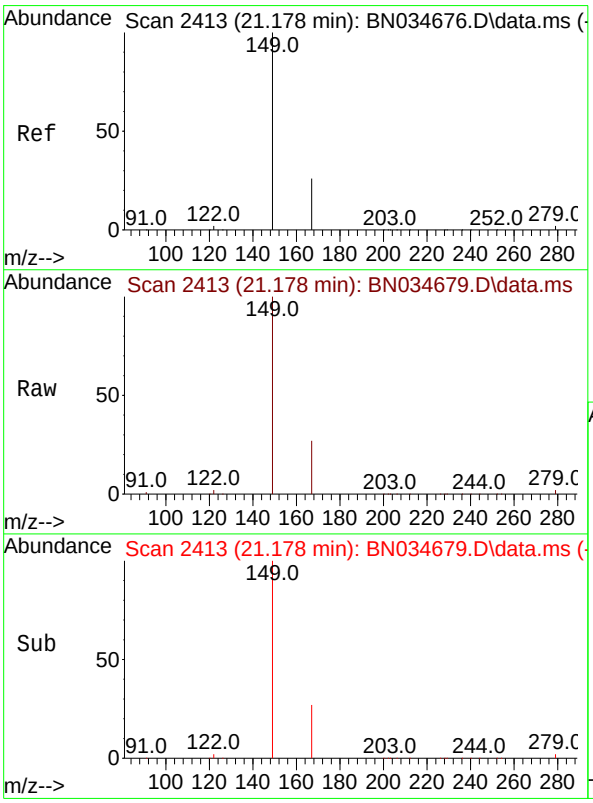
#33
Chrysene
Concen: 3.352 ng
RT: 21.259 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 239617

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.4	15.6	23.4

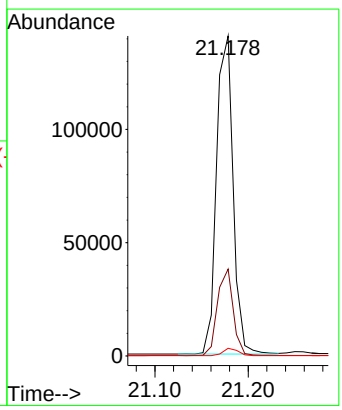


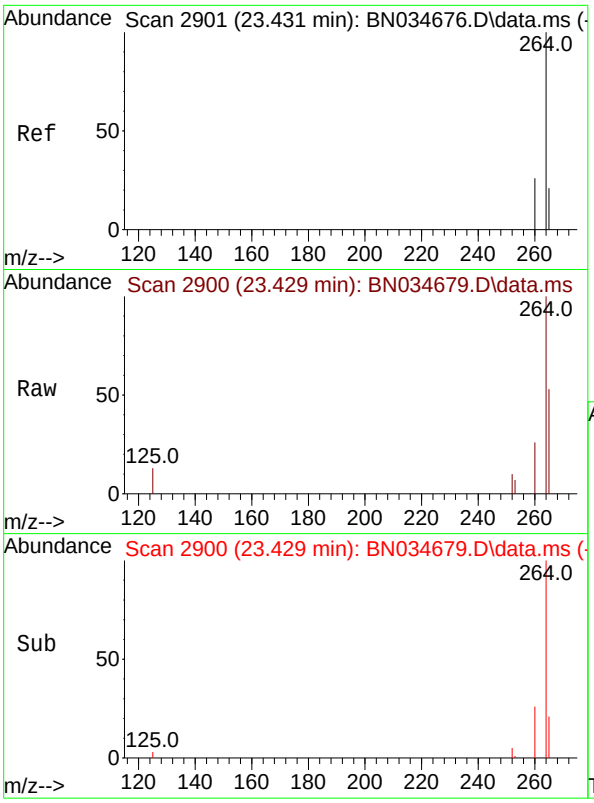


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.354 ng
RT: 21.178 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:149 Resp: 172496

Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.0	31.6
279	2.1	1.8	2.8



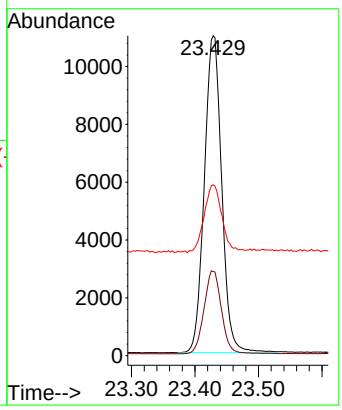


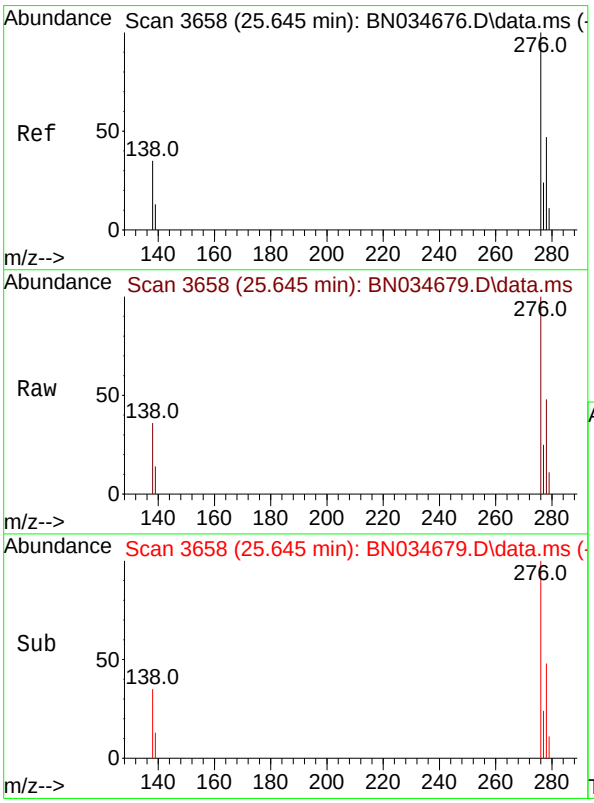
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.429 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 20867

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.9	31.3
265	53.4	41.7	62.5

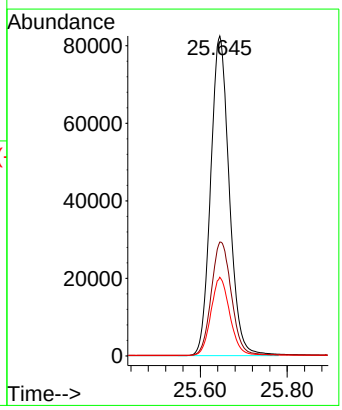


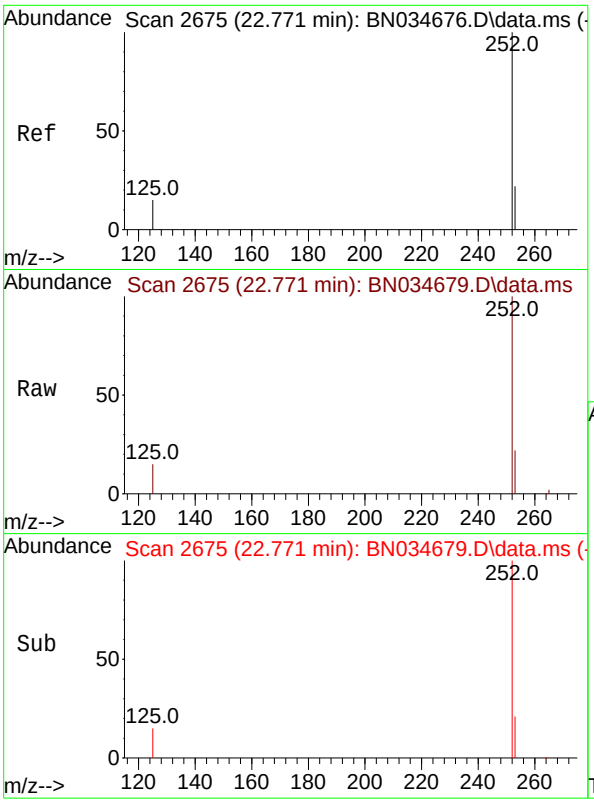


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.060 ng
RT: 25.645 min Scan# 3658
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:276 Resp: 245549

Ion	Ratio	Lower	Upper
276	100		
138	38.3	30.7	46.1
277	24.7	19.6	29.4



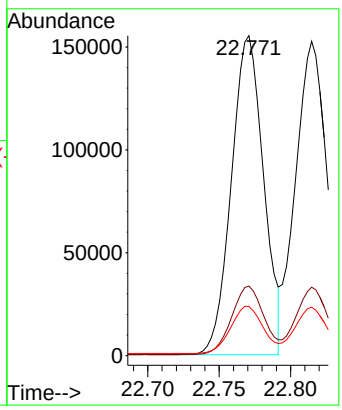


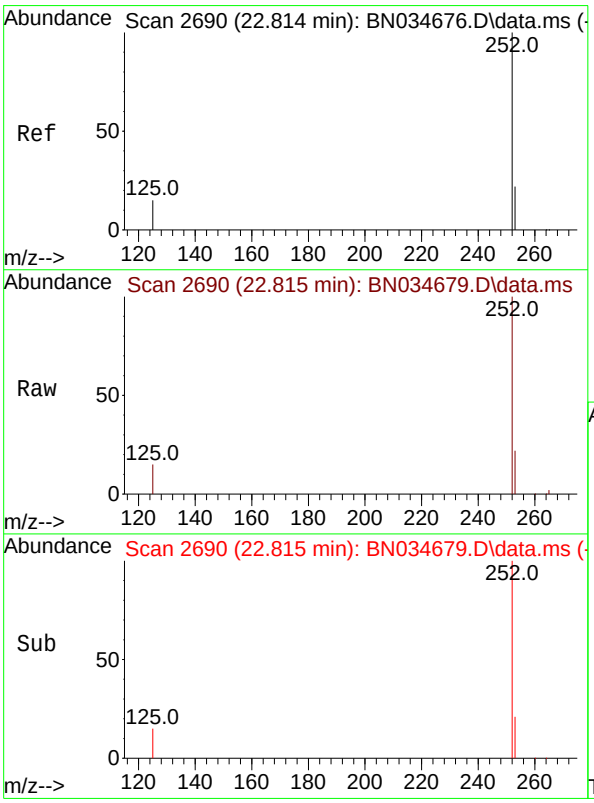
#37
Benzo(b)fluoranthene
Concen: 3.418 ng
RT: 22.771 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 242764

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.4	29.0
125	15.4	16.3	24.5#

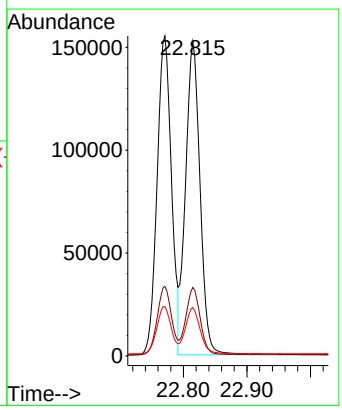


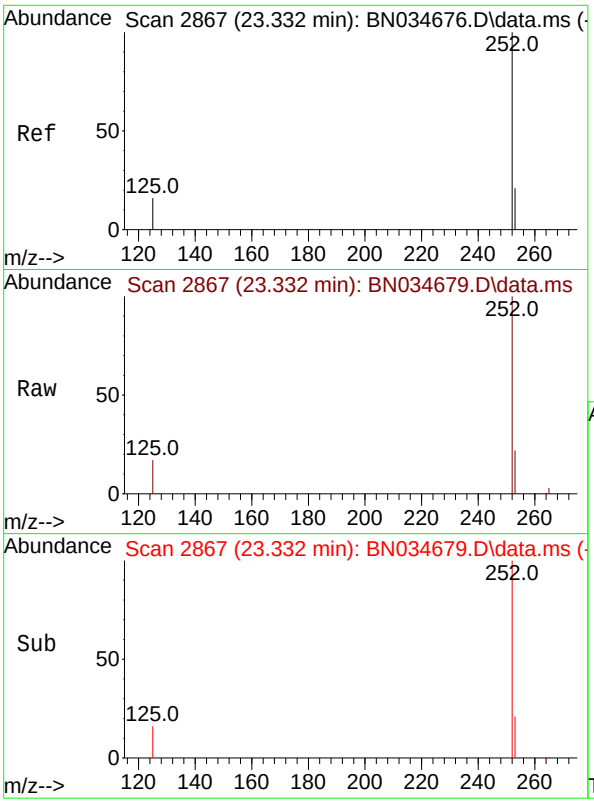


#38
Benzo(k)fluoranthene
Concen: 3.527 ng
RT: 22.815 min Scan# 2690
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:252 Resp: 240992

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.5	29.3
125	15.4	16.6	24.8#



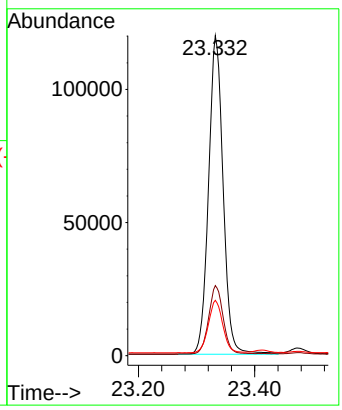


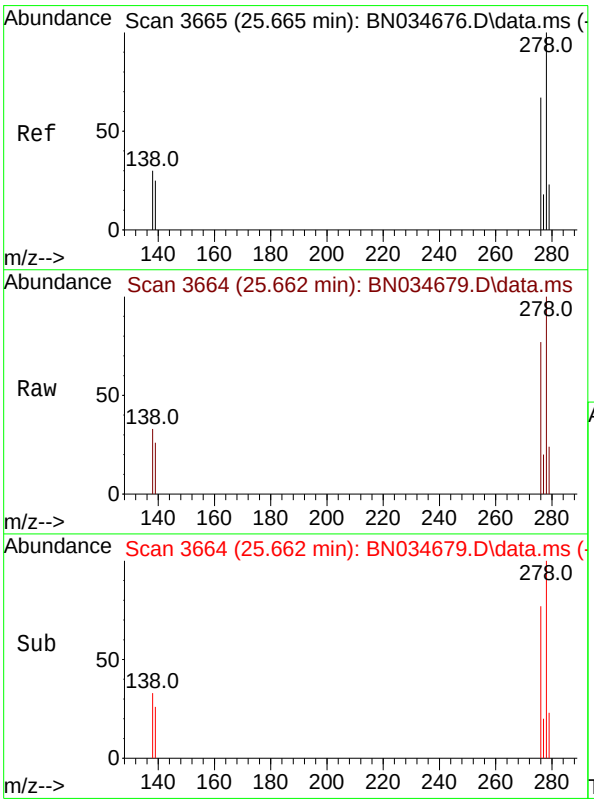
#39
Benzo(a)pyrene
Concen: 3.318 ng
RT: 23.332 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 208149

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.2	30.4
125	17.3	19.1	28.7#

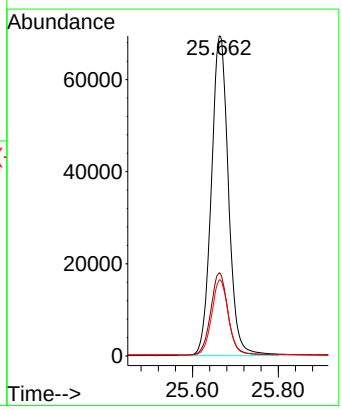


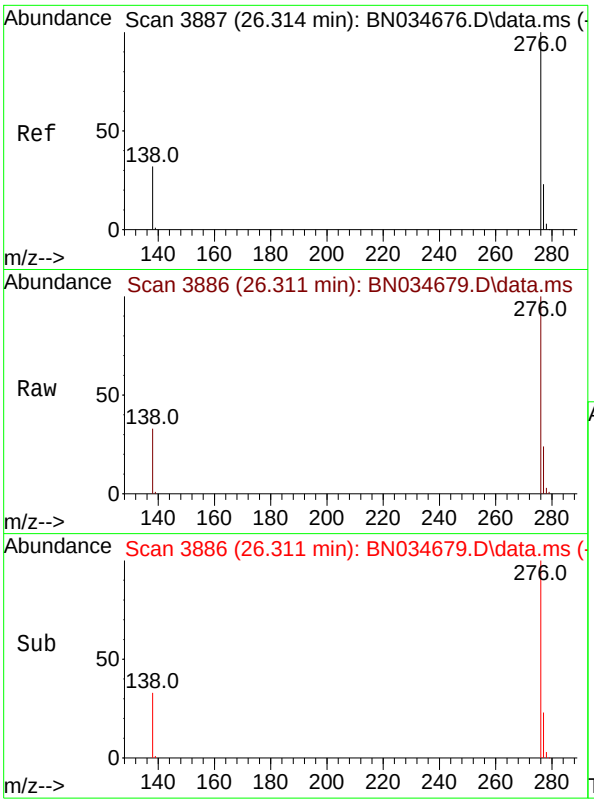


#40
Dibenzo(a,h)anthracene
Concen: 3.003 ng
RT: 25.662 min Scan# 3664
Delta R.T. -0.003 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Tgt Ion:278 Resp: 192155

Ion	Ratio	Lower	Upper
278	100		
139	26.0	21.8	32.8
279	23.8	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 3.026 ng
RT: 26.311 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN034679.D
Acq: 22 Oct 2024 15:27

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 207890

Ion	Ratio	Lower	Upper
276	100		
277	23.5	20.0	30.0
138	33.3	27.1	40.7