Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
Data File : BN034480.D
Acq On : 08 Oct 2024 20:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 09 00:56:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 26 14:44:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.380	152	5127	0.400	ng		-0.01
7) Naphthalene-d8	10.137	136	14480	0.400	ng		#-0.01
13) Acenaphthene-d10	14.026	164	7873	0.400	ng		-0.02
19) Phenanthrene-d10	16.790	188	13857	0.400	ng		-0.01
29) Chrysene-d12	21.015	240	9834	0.400	ng		0.00
35) Perylene-d12	23.125	264	10870	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.025	112	4962	0.341	ng		0.00
5) Phenol-d6	6.585	99	4949	0.292	ng		-0.01
8) Nitrobenzene-d5	8.525	82	3412	0.308	ng		-0.01
11) 2-Methylnaphthalene-d10	11.738	152	7501	0.351	ng		-0.01
14) 2,4,6-Tribromophenol	15.549	330	1070	0.300	ng		0.00
15) 2-Fluorobiphenyl	12.647	172	10400	0.325	ng		-0.01
27) Fluoranthene-d10	18.836	212	12013	0.344	ng		0.00
31) Terphenyl-d14	19.459	244	7086	0.361	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.032	88	2297	0.358	ng		96
3) n-Nitrosodimethylamine	3.335	42	2052	0.281	ng	#	86
6) bis(2-Chloroethyl)ether	6.824	93	4721	0.315	ng		96
9) Naphthalene	10.180	128	14683	0.369	ng		100
10) Hexachlorobutadiene	10.468	225	3314	0.443	ng	#	99
12) 2-Methylnaphthalene	11.814	142	9024	0.349	ng		99
16) Acenaphthylene	13.748	152	11394	0.338	ng		100
17) Acenaphthene	14.090	154	8538	0.353	ng		98
18) Fluorene	15.095	166	10113	0.319	ng		99
20) 4,6-Dinitro-2-methylph...	16.294	198	74	0.167	ng	#	1
21) 4-Bromophenyl-phenylether	15.996	248	2959	0.380	ng	#	90
22) Hexachlorobenzene	16.095	284	4279	0.490	ng	#	88
23) Atrazine	16.294	200	2088	0.323	ng		96
24) Pentachlorophenol	16.468	266	1122	0.388	ng		98
25) Phenanthrene	16.828	178	13981	0.351	ng		99
26) Anthracene	16.927	178	11287	0.348	ng		99
28) Fluoranthene	18.864	202	15858	0.344	ng		98
30) Pyrene	19.231	202	16315	0.393	ng		100
32) Benzo(a)anthracene	21.006	228	4117	0.132	ng		98
33) Chrysene	21.051	228	14134	0.381	ng		99
36) Indeno(1,2,3-cd)pyrene	25.186	276	17469	0.375	ng		95
37) Benzo(b)fluoranthene	22.503	252	14442	0.339	ng		96
38) Benzo(k)fluoranthene	22.543	252	16311	0.365	ng		95
39) Benzo(a)pyrene	23.035	252	12821	0.369	ng		95
40) Dibenzo(a,h)anthracene	25.204	278	13272	0.367	ng		96
41) Benzo(g,h,i)perylene	25.809	276	16069	0.395	ng		96

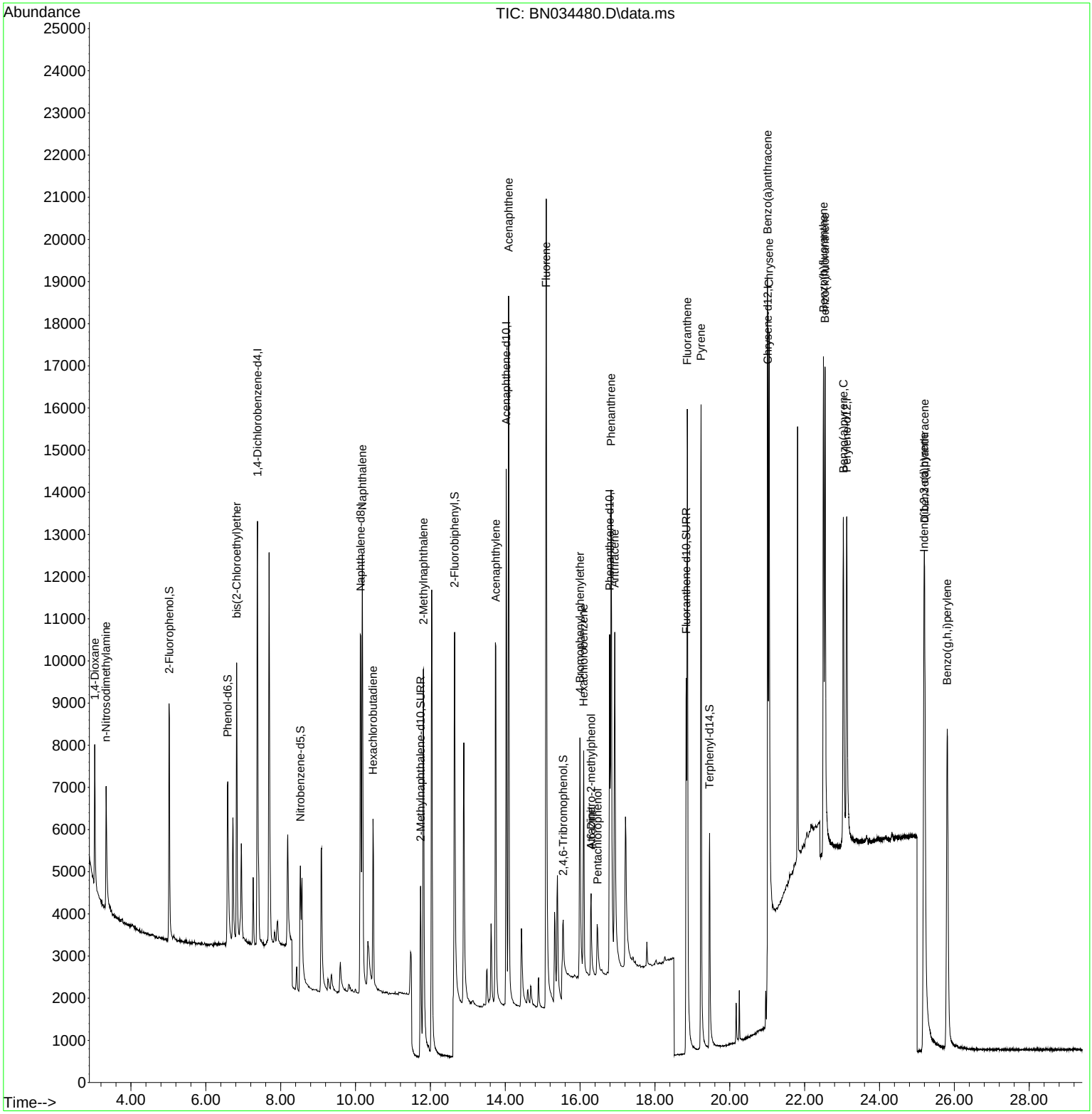
(#) = qualifier out of range (m) = manual integration (+) = signals summed

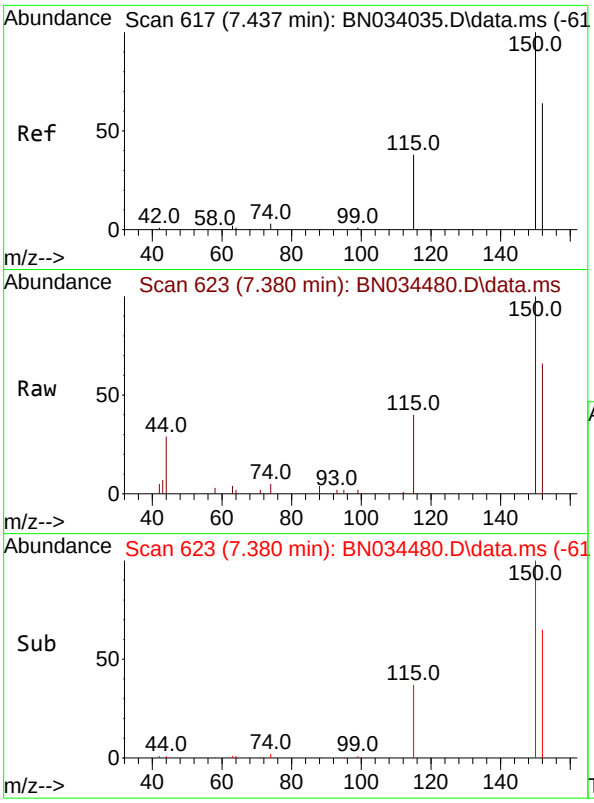
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
Data File : BN034480.D
Acq On : 08 Oct 2024 20:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 09 00:56:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 26 14:44:02 2024
Response via : Initial Calibration



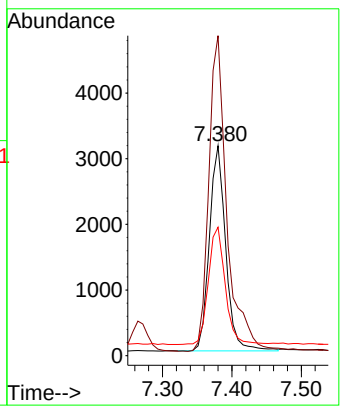


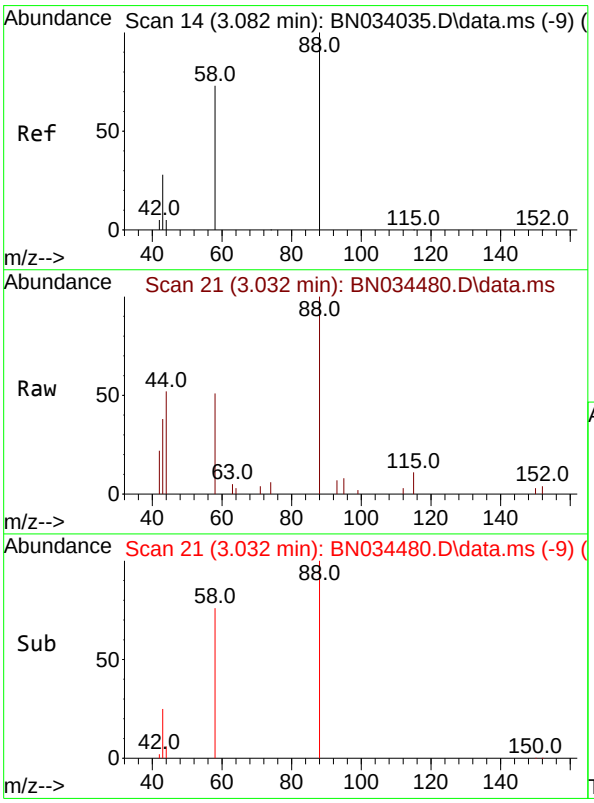
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.380 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5127

Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.6	187.0
115	61.2	50.0	75.0

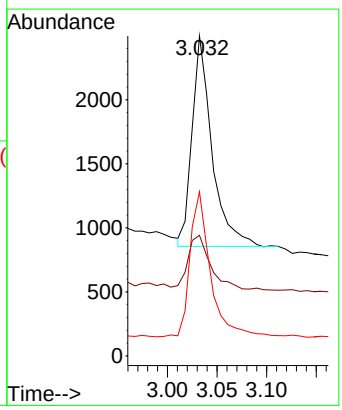


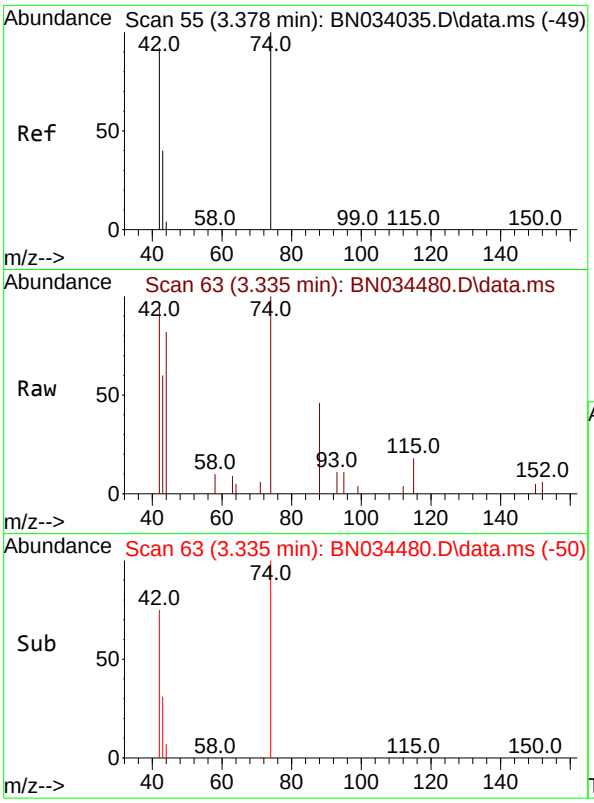


#2
1,4-Dioxane
Concen: 0.358 ng
RT: 3.032 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion: 88 Resp: 2297

Ion	Ratio	Lower	Upper
88	100		
43	30.6	25.8	38.8
58	70.3	58.8	88.2



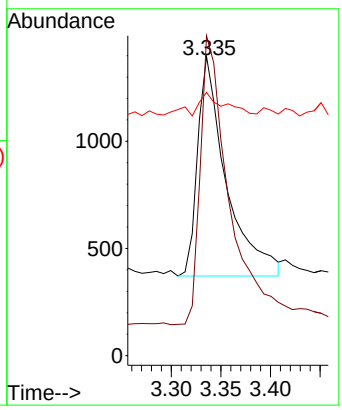


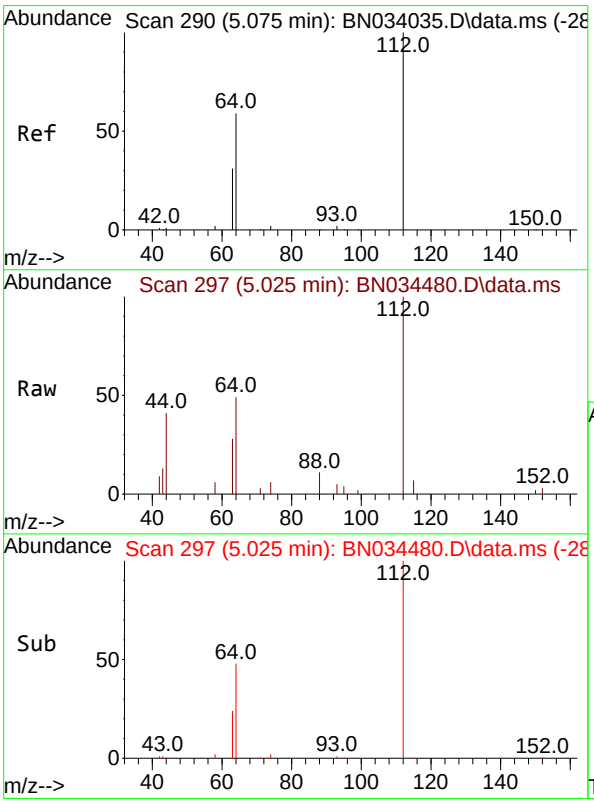
#3
n-Nitrosodimethylamine
Concen: 0.281 ng
RT: 3.335 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2052

Ion	Ratio	Lower	Upper
42	100		
74	133.3	94.6	142.0
44	10.0	12.4	18.6#

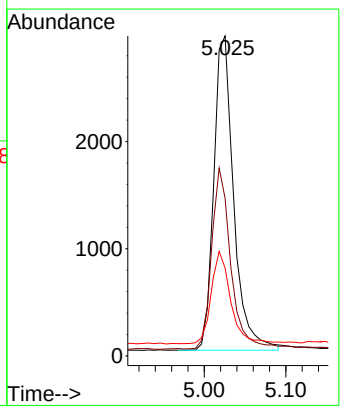


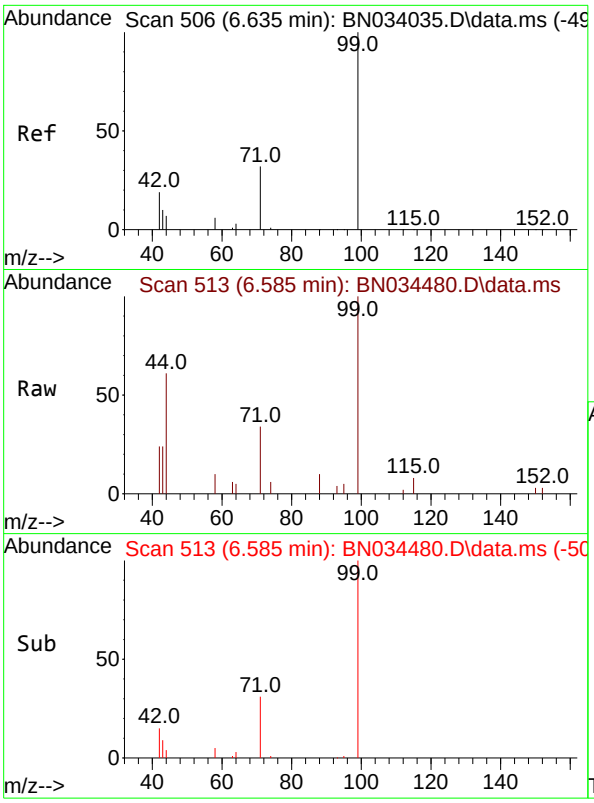


#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.025 min Scan# 297
Delta R.T. -0.007 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:112 Resp: 4962

Ion	Ratio	Lower	Upper
112	100		
64	55.1	48.6	72.8
63	28.4	25.6	38.4



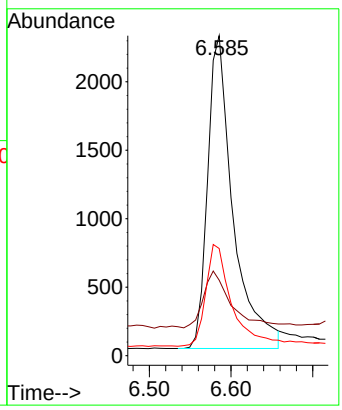


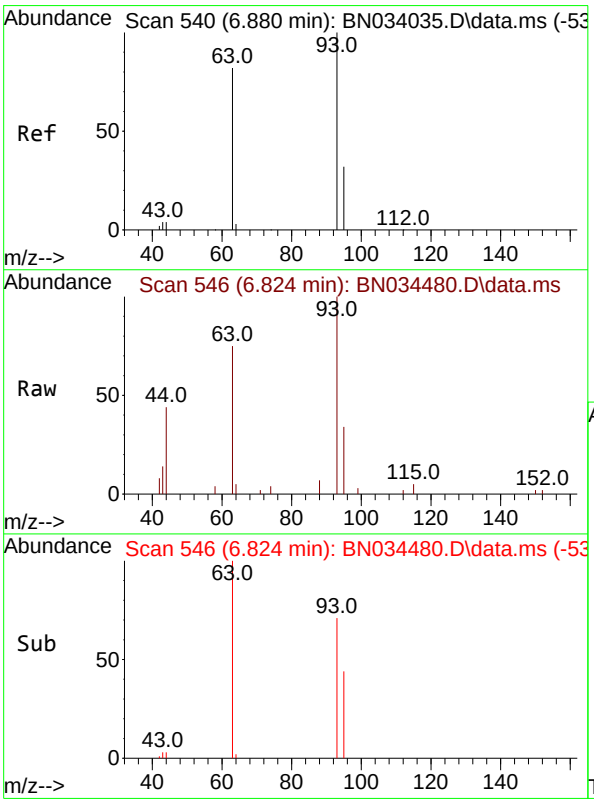
#5
Phenol-d6
Concen: 0.292 ng
RT: 6.585 min Scan# 5
Delta R.T. -0.014 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 4949

Ion	Ratio	Lower	Upper
99	100		
42	19.6	17.8	26.8
71	33.0	26.2	39.2

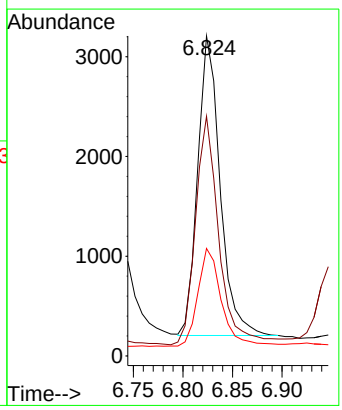


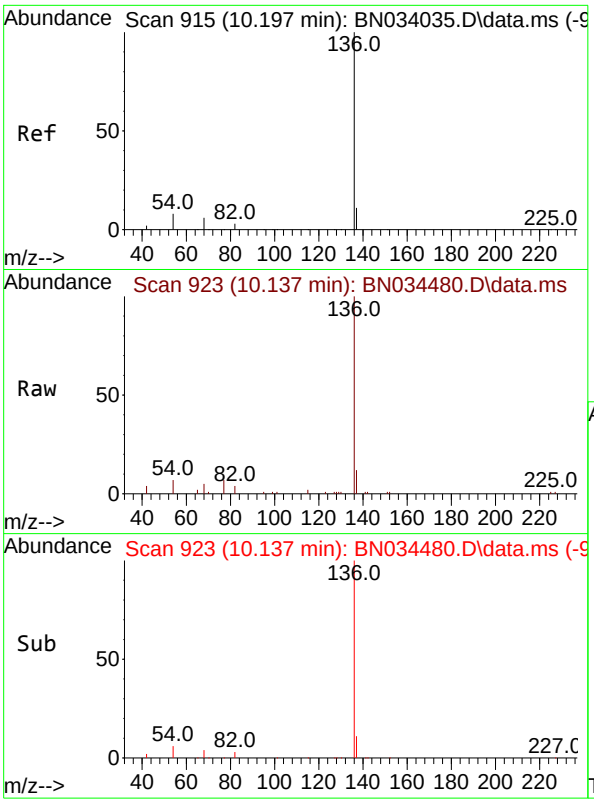


#6
bis(2-Chloroethyl)ether
Concen: 0.315 ng
RT: 6.824 min Scan# 546
Delta R.T. -0.014 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion: 93 Resp: 4721

Ion	Ratio	Lower	Upper
93	100		
63	79.6	67.3	100.9
95	34.3	26.8	40.2



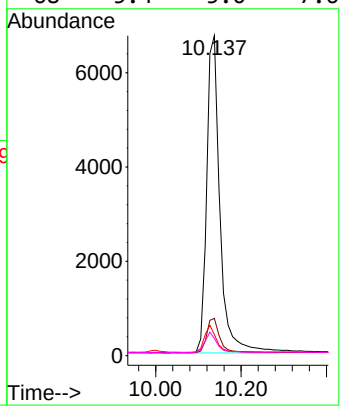


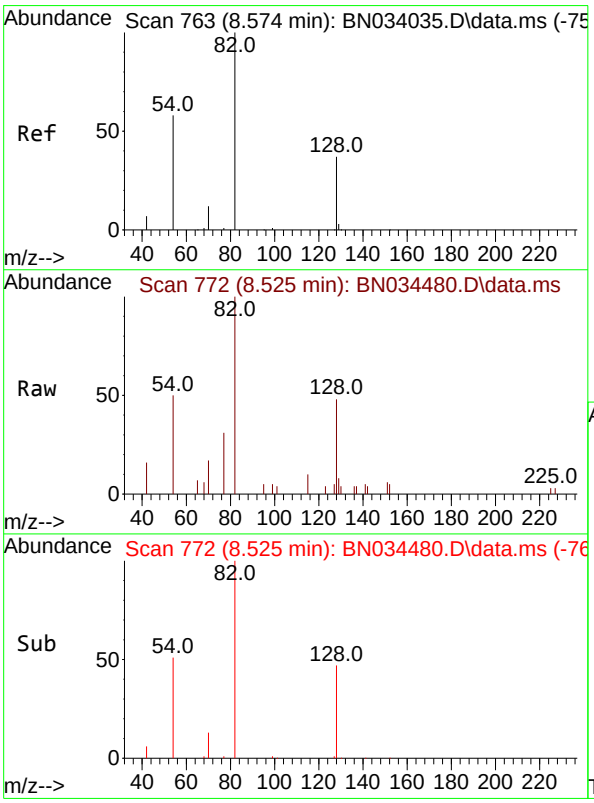
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.137 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 14480

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	6.6	6.8	10.2#
68	5.4	5.0	7.6

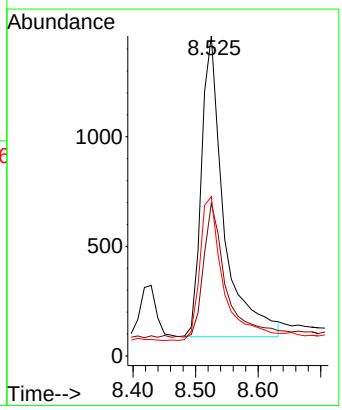


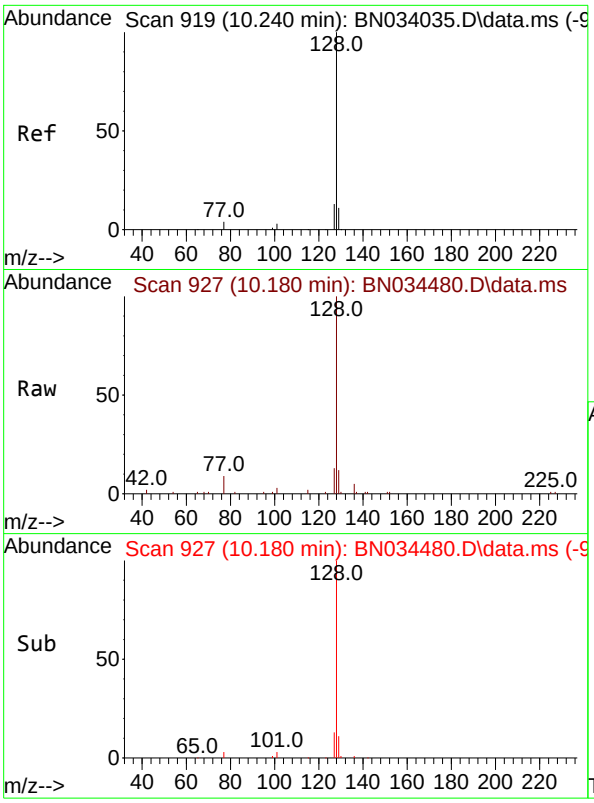


#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.525 min Scan# 772
Delta R.T. -0.011 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion: 82 Resp: 3412

Ion	Ratio	Lower	Upper
82	100		
128	47.7	31.4	47.2#
54	49.8	47.4	71.0



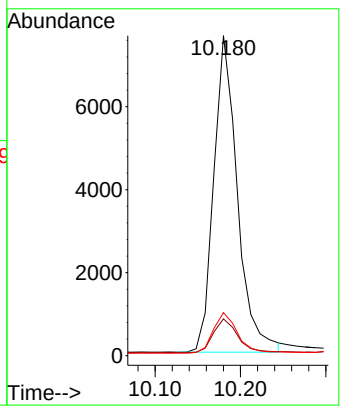


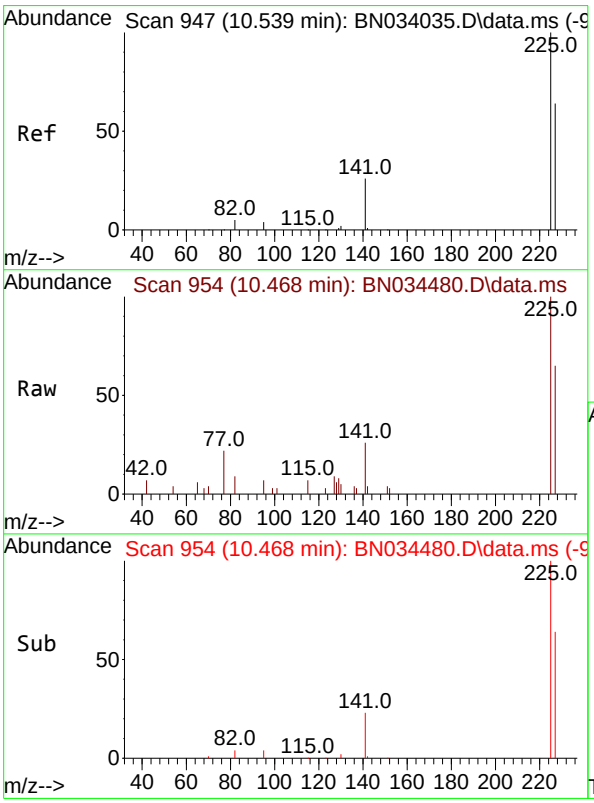
#9
Naphthalene
Concen: 0.369 ng
RT: 10.180 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 14683

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.4	10.7	16.1

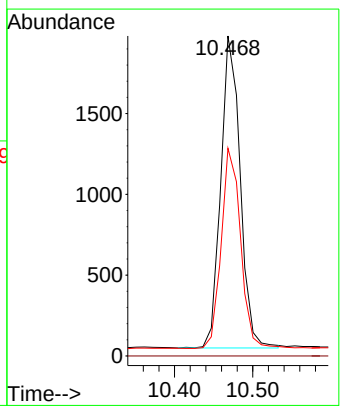


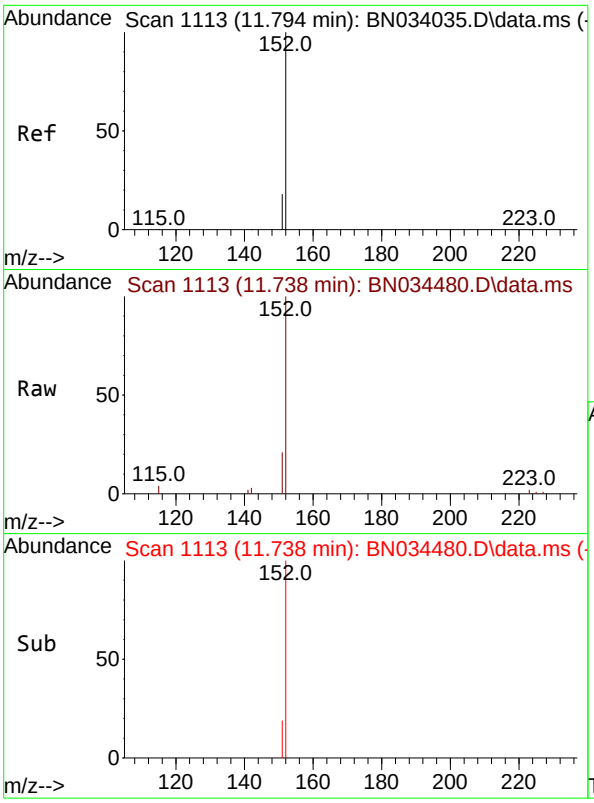


#10
Hexachlorobutadiene
Concen: 0.443 ng
RT: 10.468 min Scan# 954
Delta R.T. -0.021 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:225 Resp: 3314

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.5	75.7



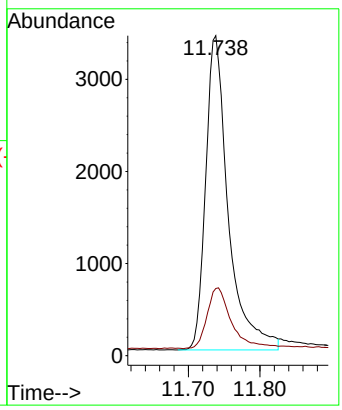


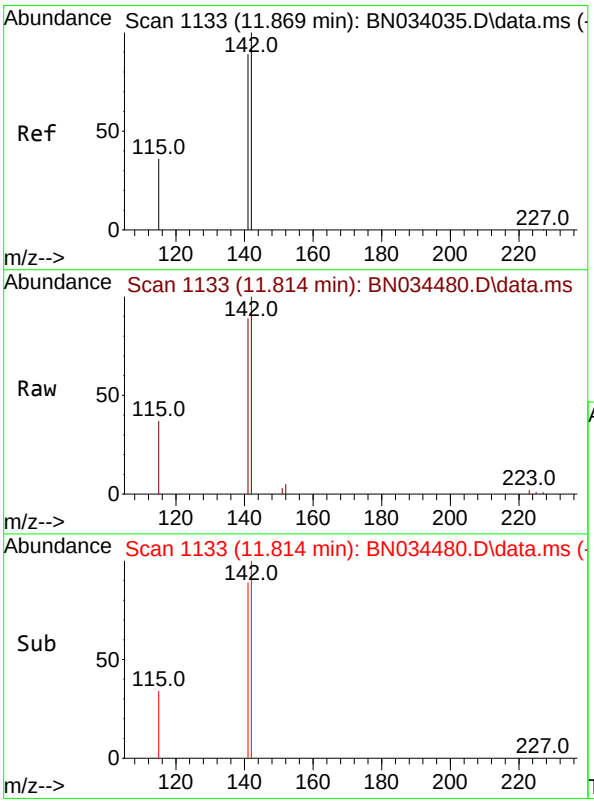
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 11.738 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7501

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2

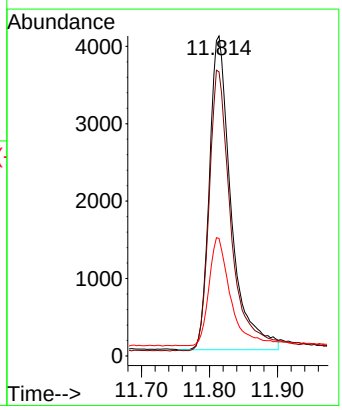


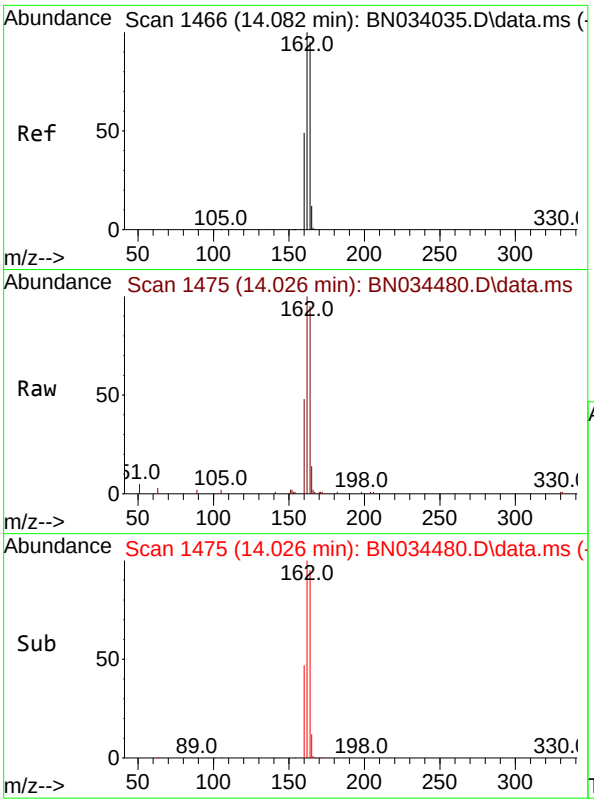


#12
2-Methylnaphthalene
Concen: 0.349 ng
RT: 11.814 min Scan# 1133
Delta R.T. -0.015 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:142 Resp: 9024

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.6	107.4
115	36.7	30.0	45.0



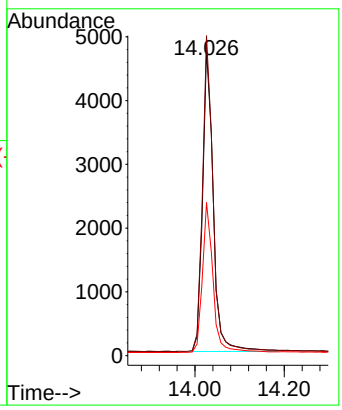


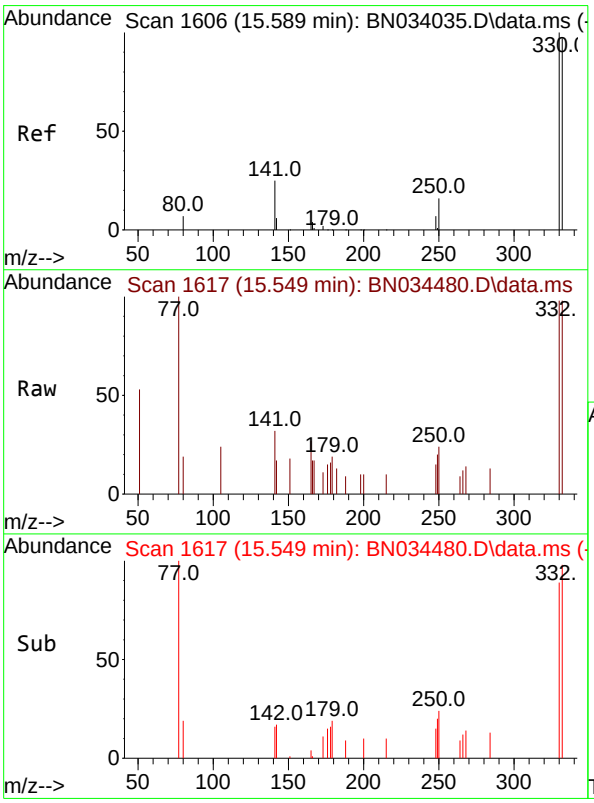
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.026 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7873

Ion	Ratio	Lower	Upper
164	100		
162	104.7	84.2	126.2
160	50.1	41.7	62.5

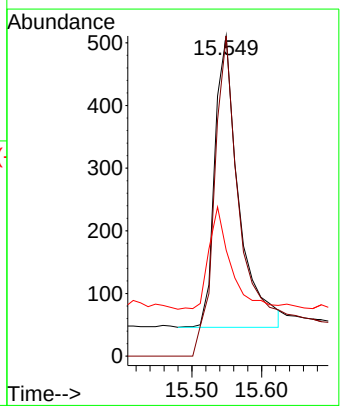


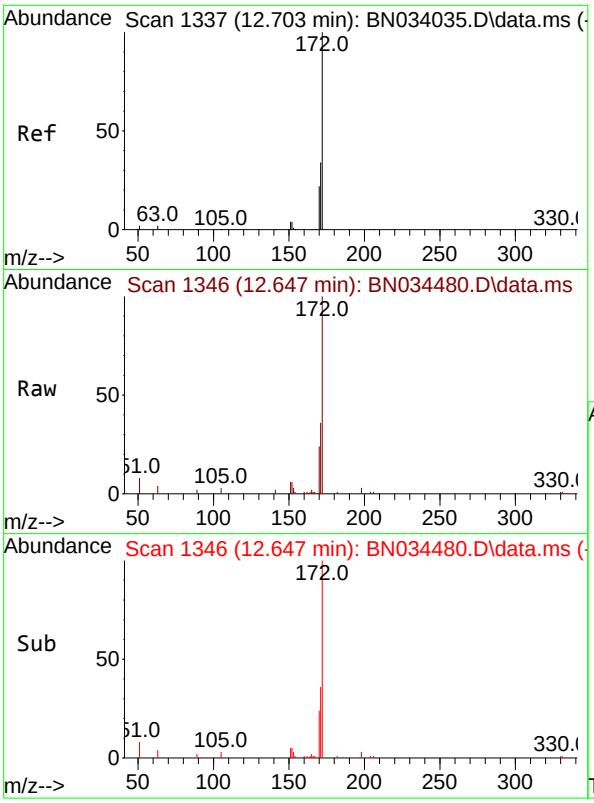


#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 15.549 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:330 Resp: 1070

Ion	Ratio	Lower	Upper
330	100		
332	126.8	77.4	116.0#
141	32.1	35.9	53.9#



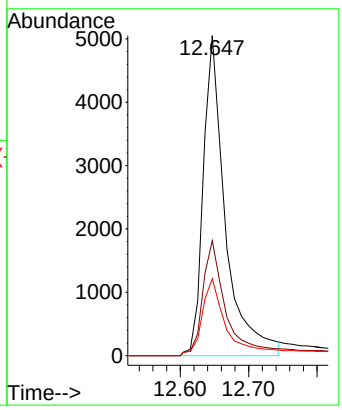


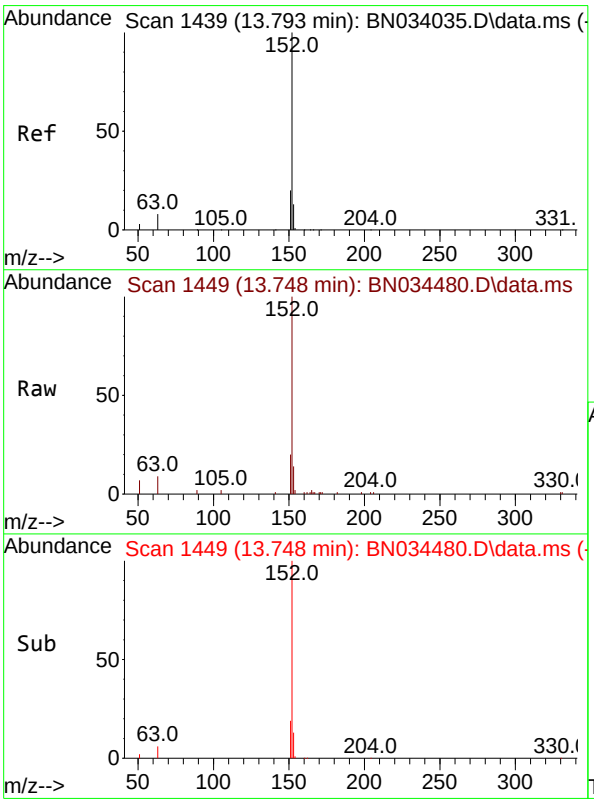
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 12.647 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 10400

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.3	40.9
170	24.1	18.1	27.1

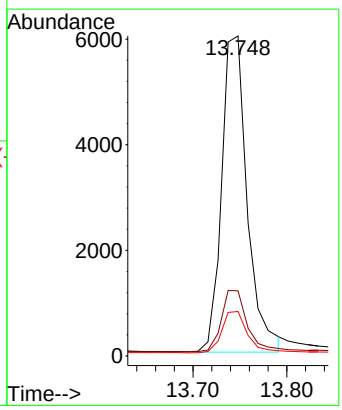


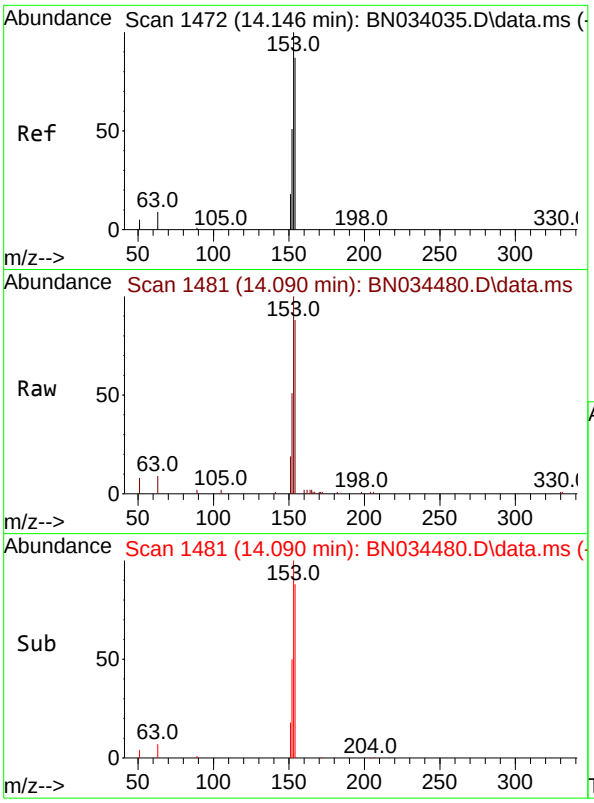


#16
Acenaphthylene
Concen: 0.338 ng
RT: 13.748 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:152 Resp: 11394

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.1	10.3	15.5



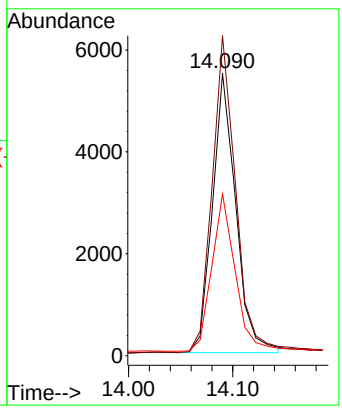


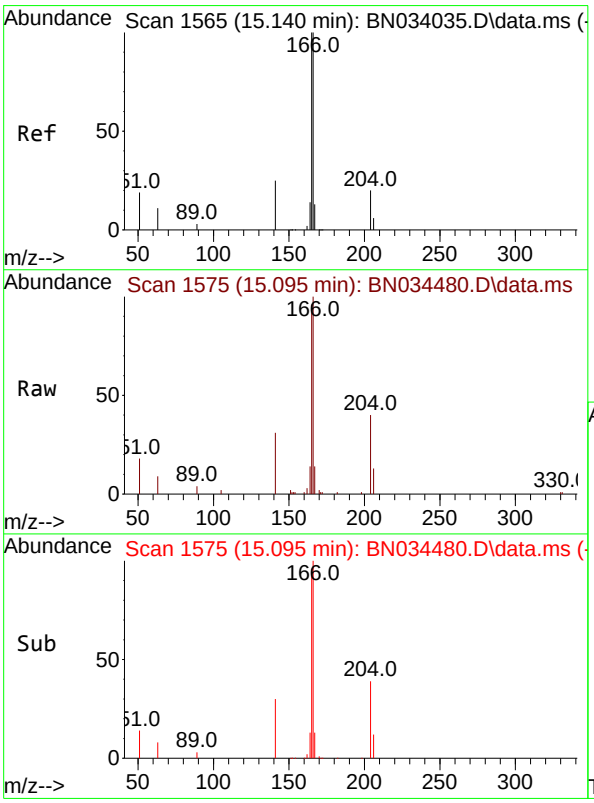
#17
Acenaphthene
Concen: 0.353 ng
RT: 14.090 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8538

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.6	137.4
152	56.3	47.4	71.2

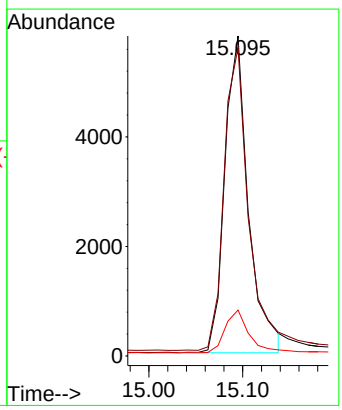


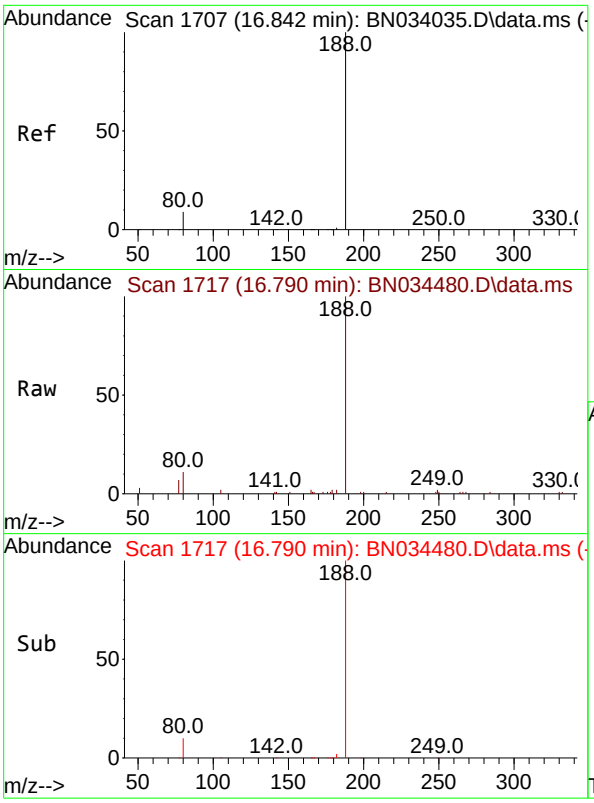


#18
Fluorene
Concen: 0.319 ng
RT: 15.095 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:166 Resp: 10113

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.5	10.6	15.8



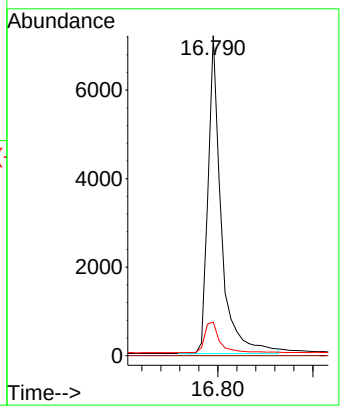


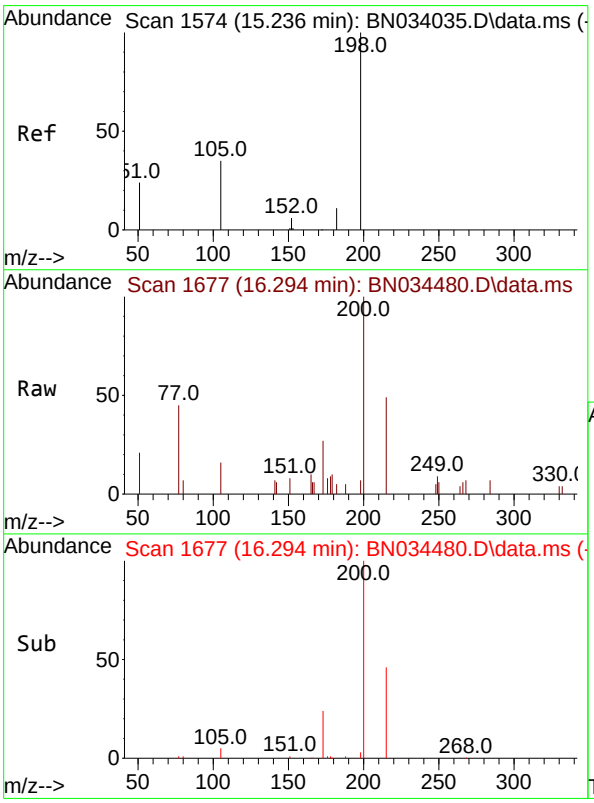
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.790 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 13857

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	7.4	11.0

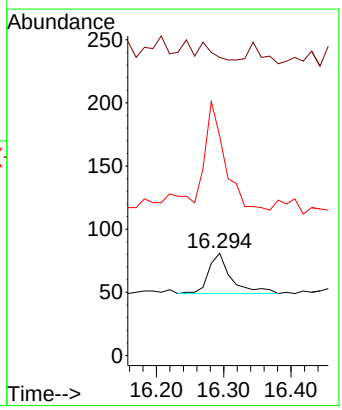


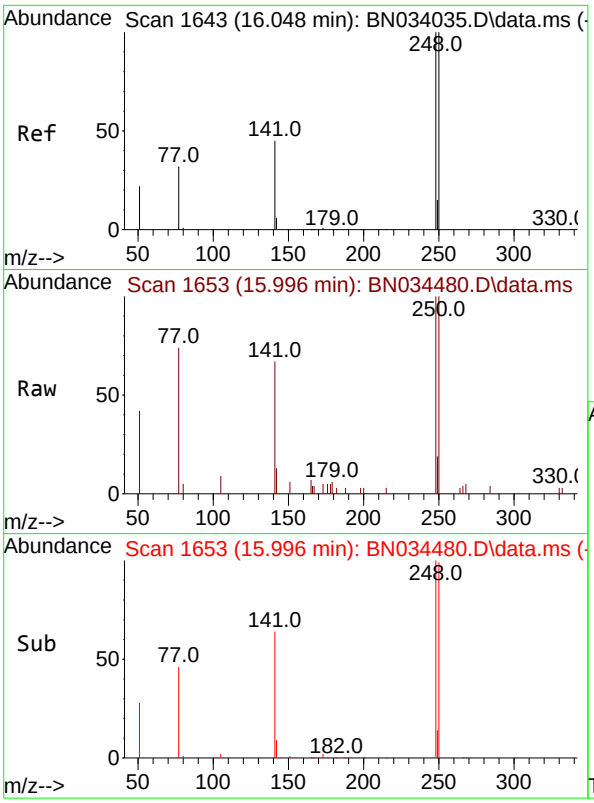


#20
4,6-Dinitro-2-methylphenol
Concen: 0.167 ng
RT: 16.294 min Scan# 1677
Delta R.T. -0.012 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:198 Resp: 74

Ion	Ratio	Lower	Upper
198	100		
51	291.4	106.4	159.6#
105	214.8	38.5	57.7#



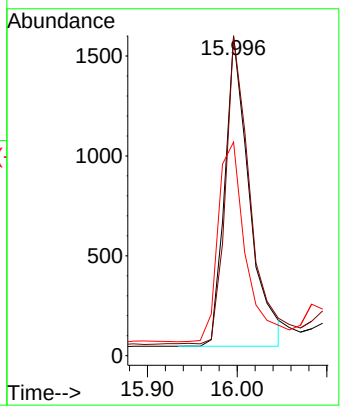


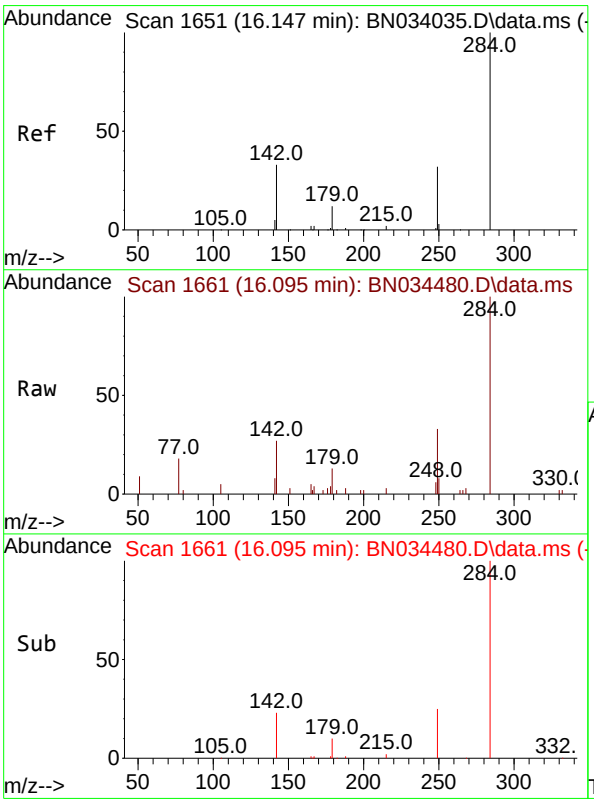
#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 15.996 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2959

Ion	Ratio	Lower	Upper
248	100		
250	100.2	80.5	120.7
141	66.9	37.1	55.7#

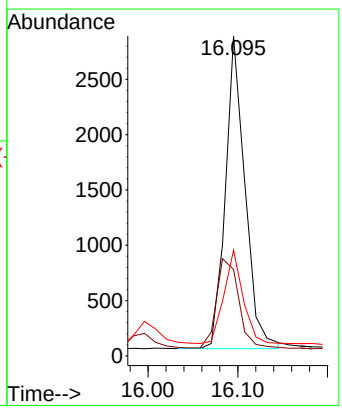


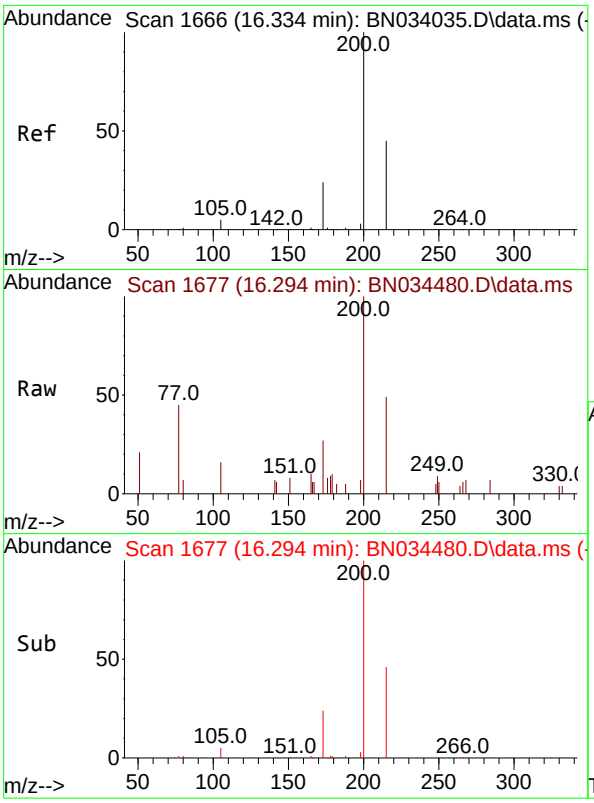


#22
Hexachlorobenzene
Concen: 0.490 ng
RT: 16.095 min Scan# 1661
Delta R.T. -0.012 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:284 Resp: 4279

Ion	Ratio	Lower	Upper
284	100		
142	32.3	34.5	51.7#
249	29.0	25.8	38.6



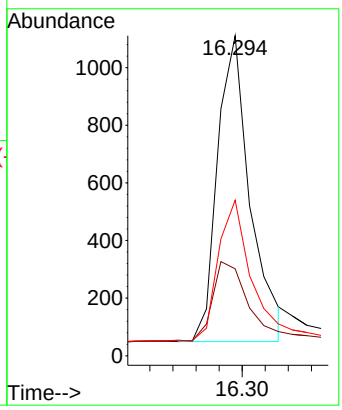


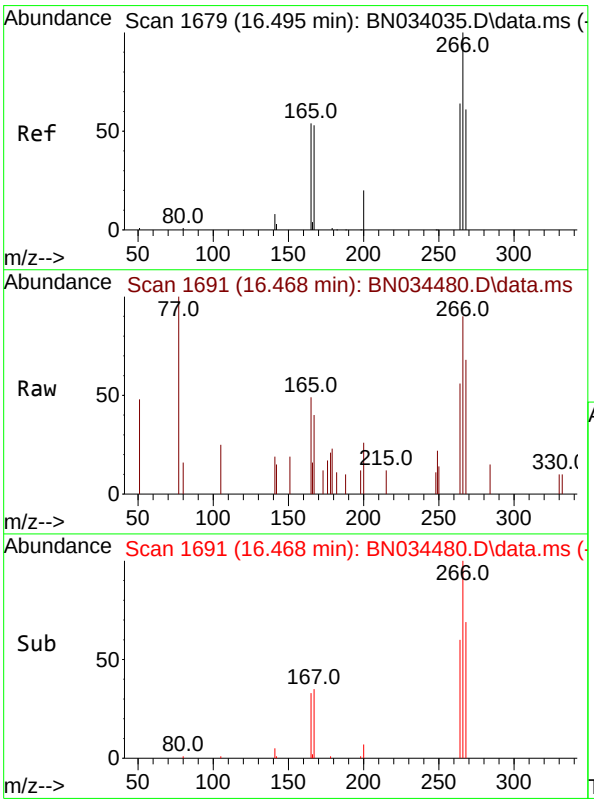
#23
Atrazine
Concen: 0.323 ng
RT: 16.294 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 2088

Ion	Ratio	Lower	Upper
200	100		
173	27.2	20.1	30.1
215	48.6	37.0	55.6

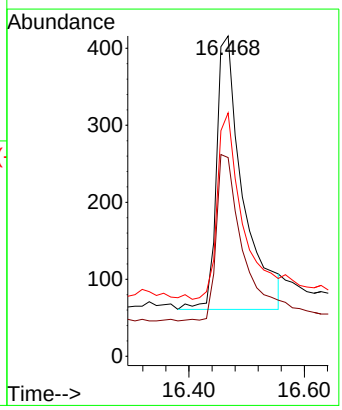


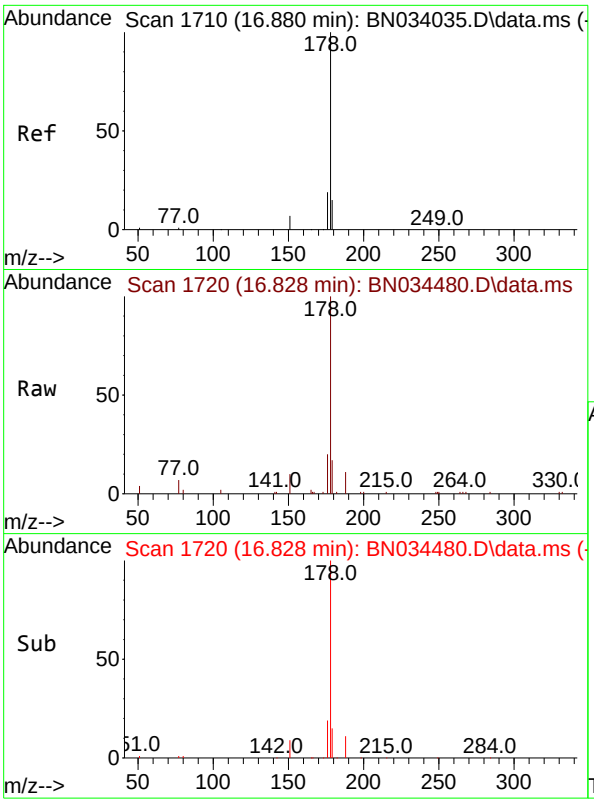


#24
Pentachlorophenol
Concen: 0.388 ng
RT: 16.468 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:266 Resp: 1122

Ion	Ratio	Lower	Upper
266	100		
264	61.7	50.2	75.2
268	65.7	51.0	76.4



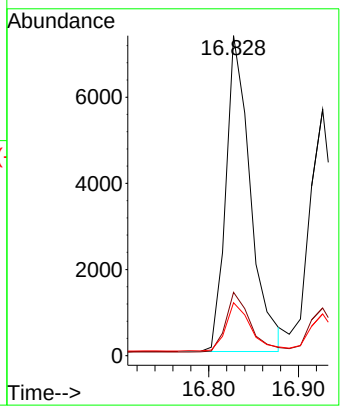


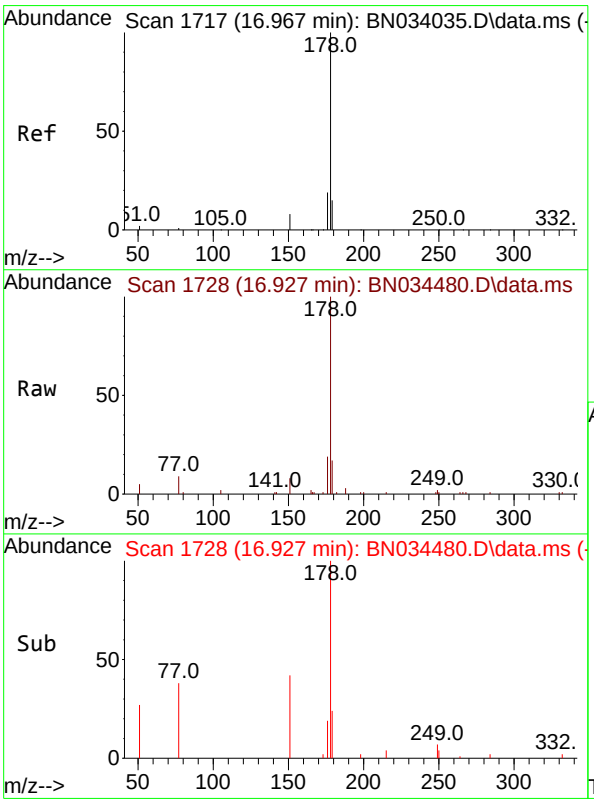
#25
Phenanthrene
Concen: 0.351 ng
RT: 16.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 13981

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.6	12.1	18.1

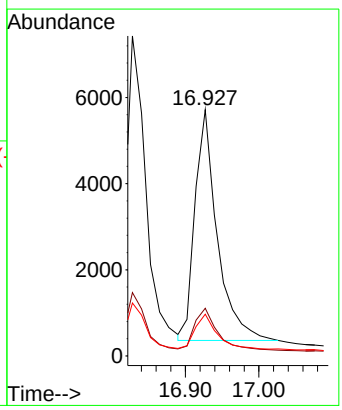


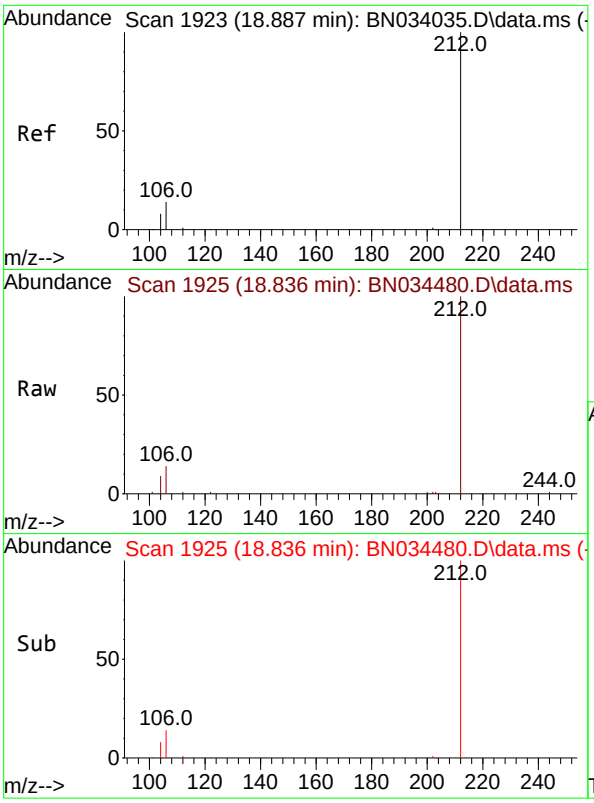


#26
Anthracene
Concen: 0.348 ng
RT: 16.927 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:178 Resp: 11287

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	14.6	12.2	18.4



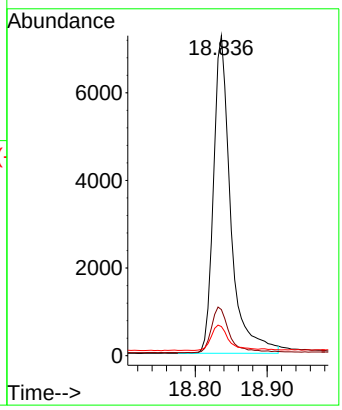


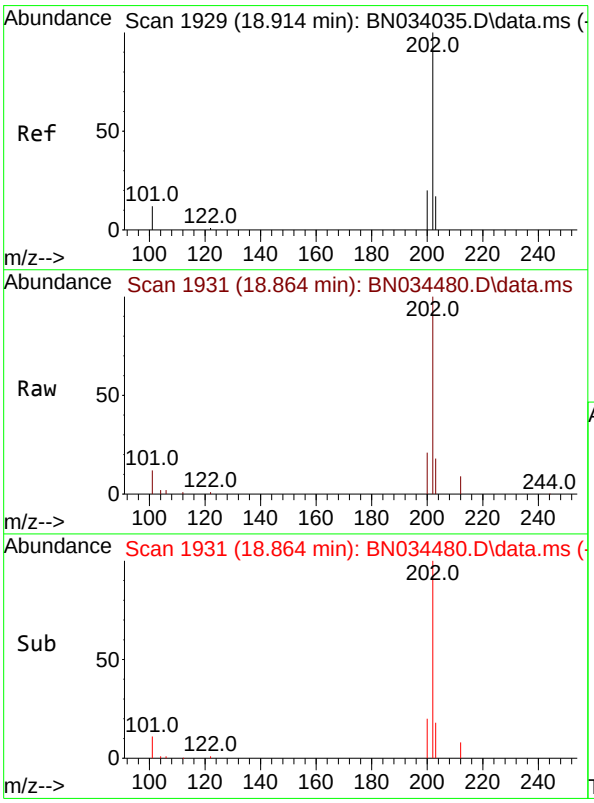
#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 18.836 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 12013

Ion	Ratio	Lower	Upper
212	100		
106	15.0	13.4	20.2
104	8.1	7.8	11.6

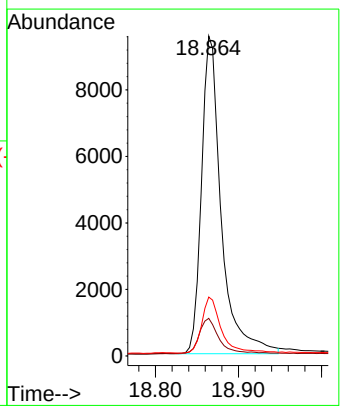


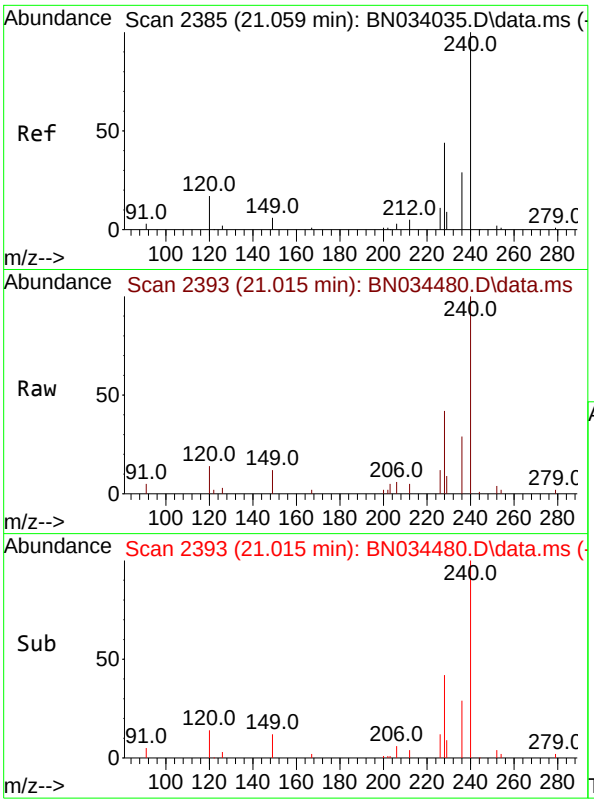


#28
Fluoranthene
Concen: 0.344 ng
RT: 18.864 min Scan# 1931
Delta R.T. -0.014 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:202 Resp: 15858

Ion	Ratio	Lower	Upper
202	100		
101	11.5	10.1	15.1
203	17.4	13.6	20.4



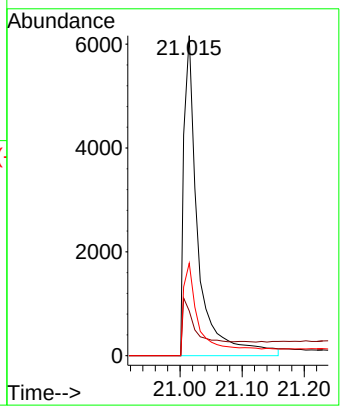


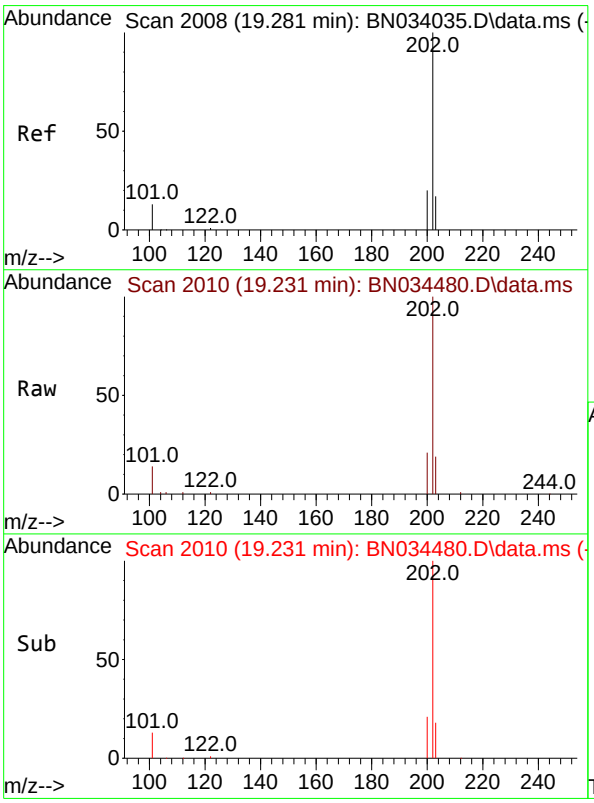
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 9834

Ion	Ratio	Lower	Upper
240	100		
120	14.0	13.5	20.3
236	28.9	23.4	35.0

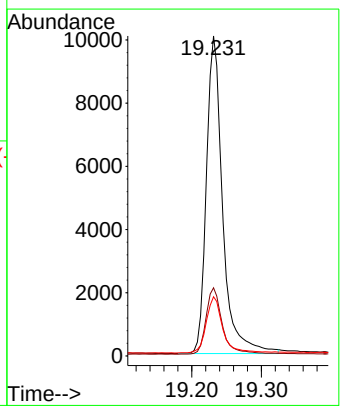


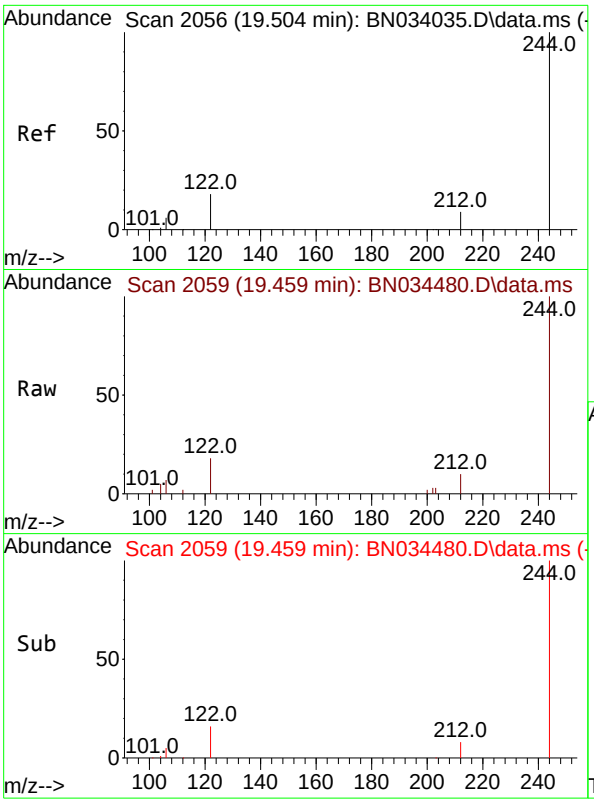


#30
Pyrene
Concen: 0.393 ng
RT: 19.231 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:202 Resp: 16315

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.1	14.3	21.5



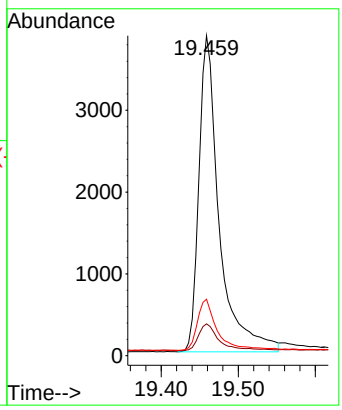


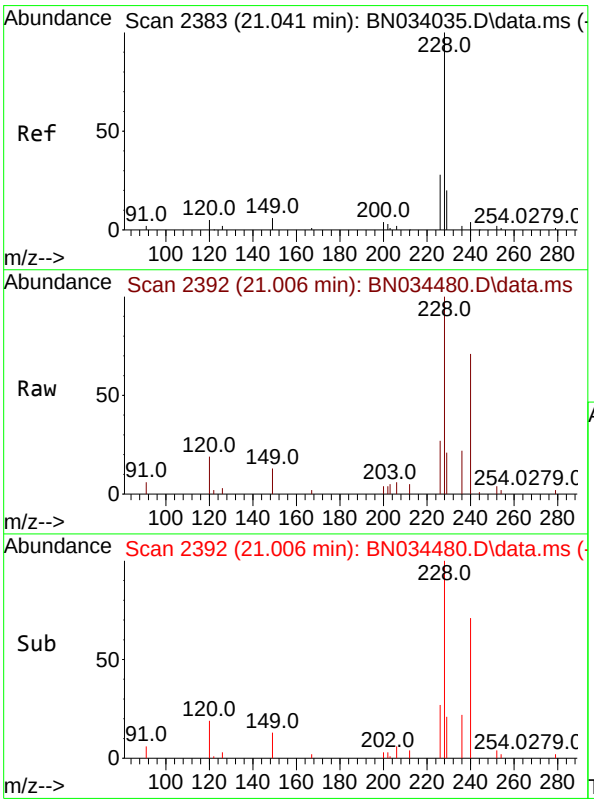
#31
Terphenyl-d14
Concen: 0.361 ng
RT: 19.459 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 7086

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.8	11.6
122	17.7	14.8	22.2

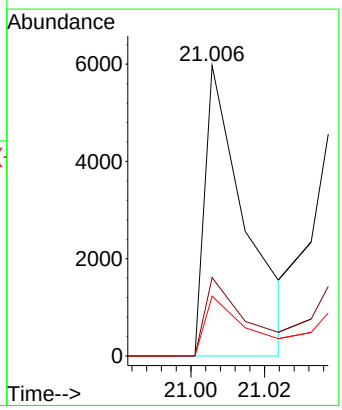


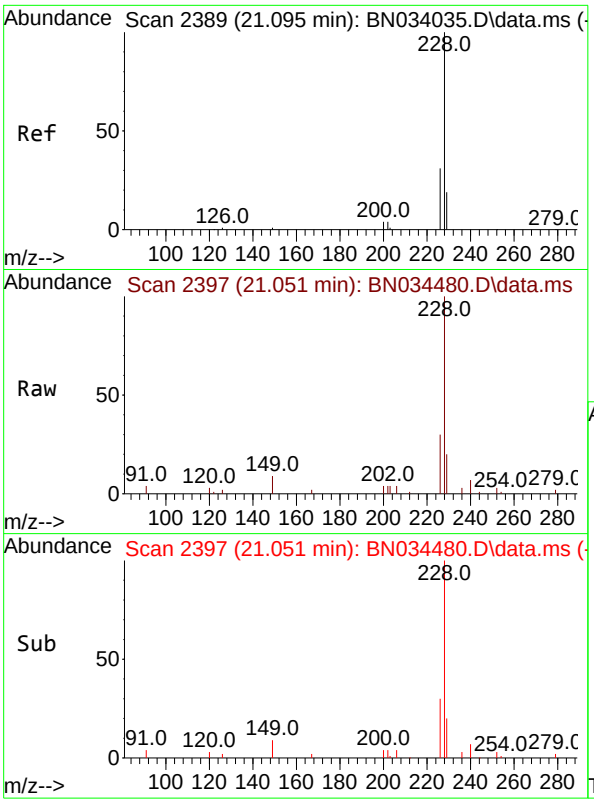


#32
Benzo(a)anthracene
Concen: 0.132 ng
RT: 21.006 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:228 Resp: 4117

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.3	33.5
229	20.6	15.7	23.5



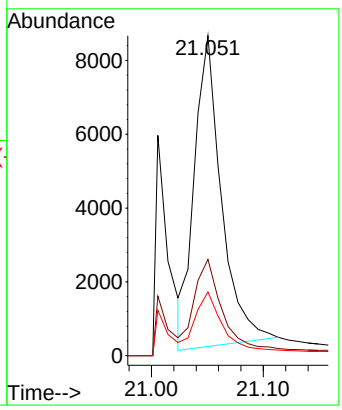


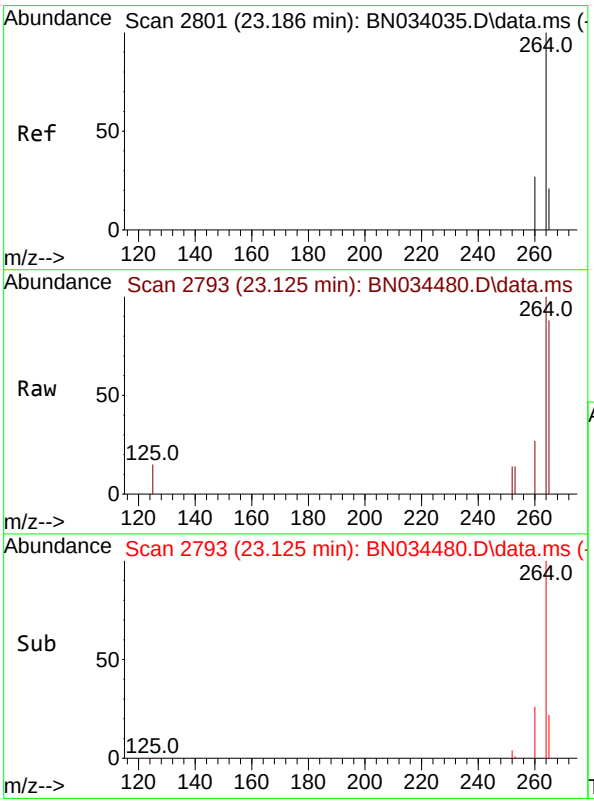
#33
Chrysene
Concen: 0.381 ng
RT: 21.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 14134

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	19.9	15.5	23.3

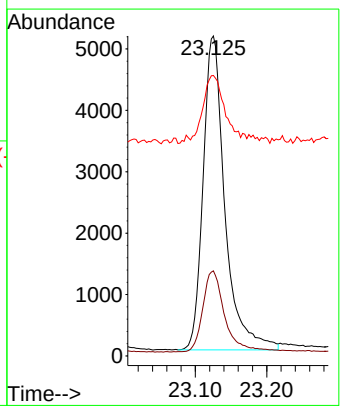


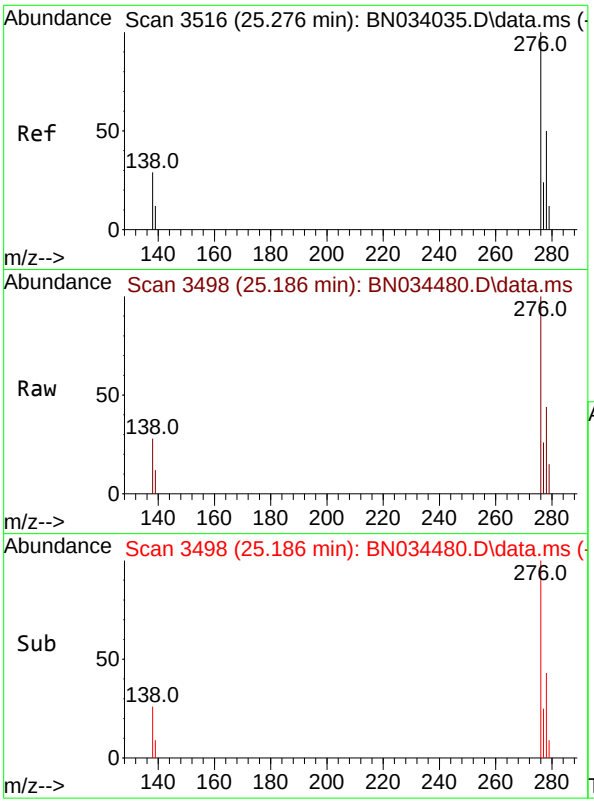


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.125 min Scan# 2793
Delta R.T. -0.003 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:264 Resp: 10870

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.7	32.5
265	87.6	52.1	78.1#



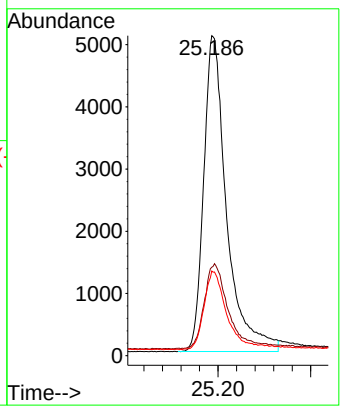


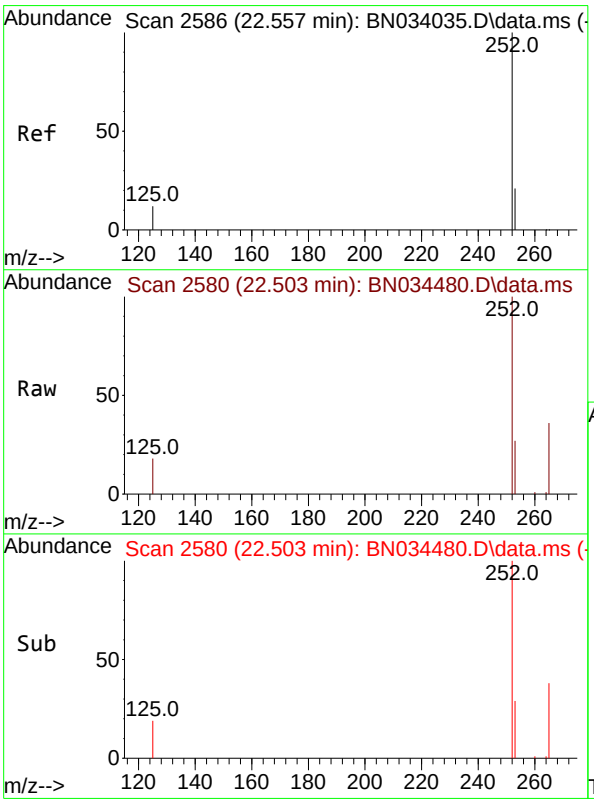
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng
RT: 25.186 min Scan# 34
Delta R.T. -0.009 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 17469

Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.9	38.9
277	24.3	19.7	29.5

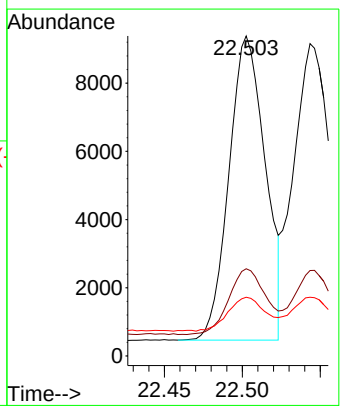


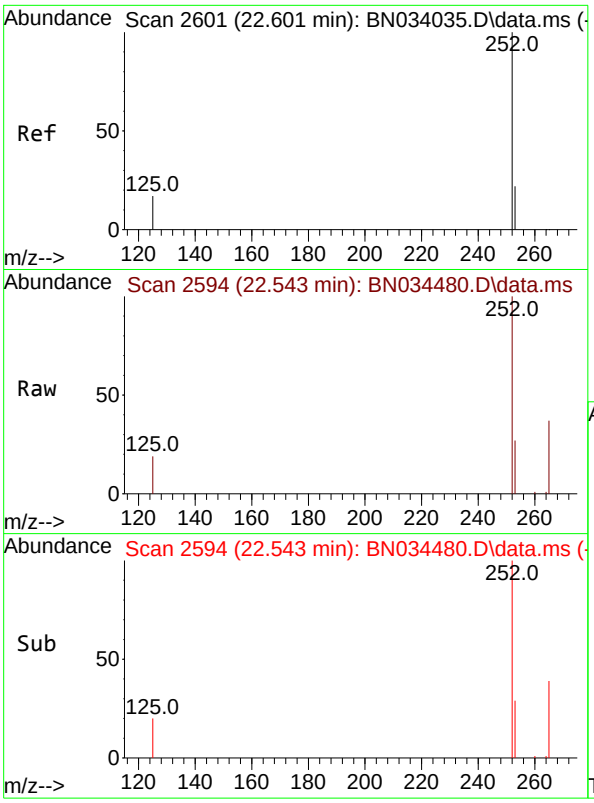


#37
Benzo(b)fluoranthene
Concen: 0.339 ng
RT: 22.503 min Scan# 2580
Delta R.T. -0.006 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:252 Resp: 14442

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.6	29.4
125	18.3	13.8	20.8



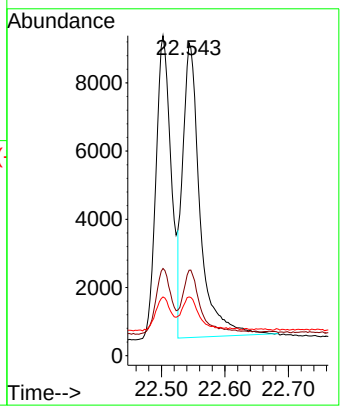


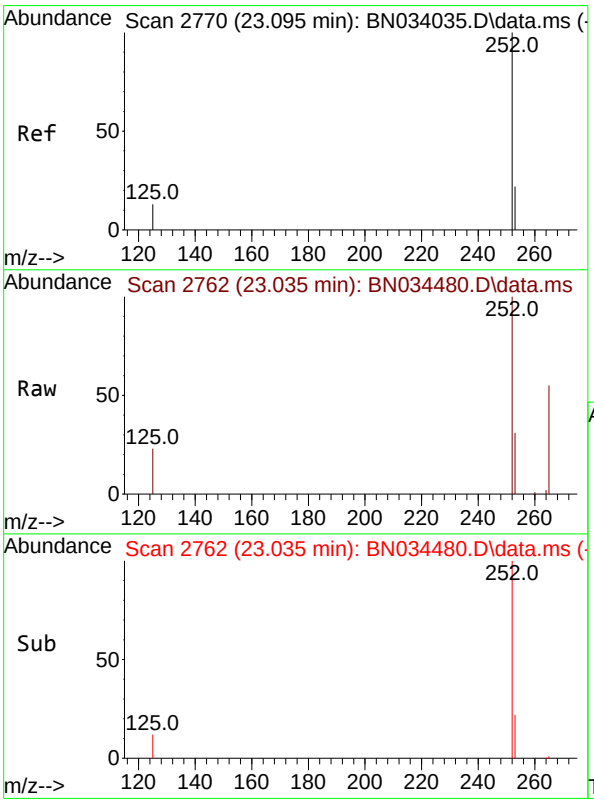
#38
Benzo(k)fluoranthene
Concen: 0.365 ng
RT: 22.543 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 16311

Ion	Ratio	Lower	Upper
252	100		
253	27.4	20.1	30.1
125	18.8	16.8	25.2

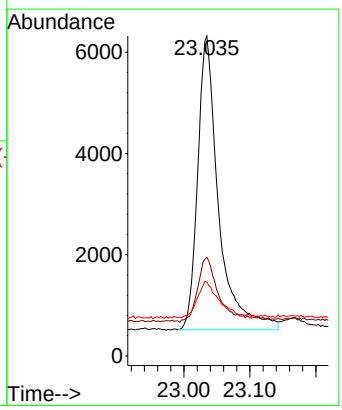


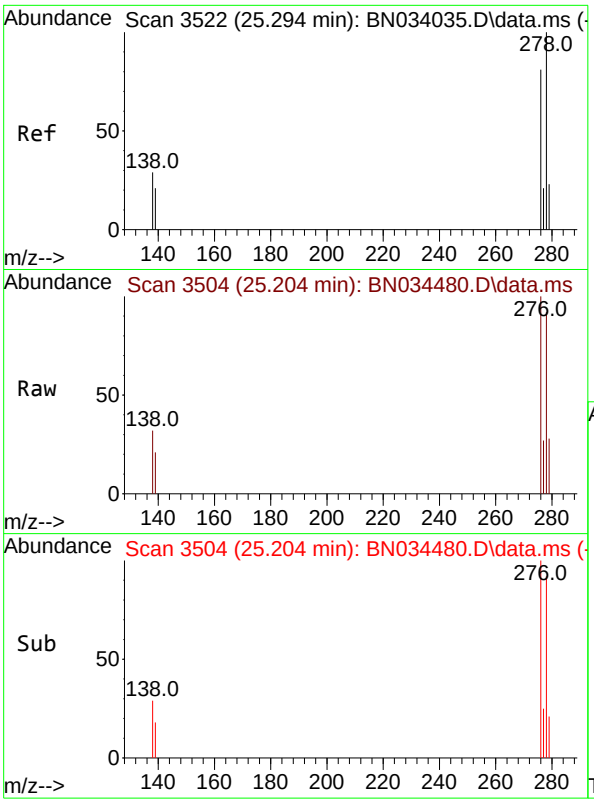


#39
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.035 min Scan# 2762
Delta R.T. -0.003 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:252 Resp: 12821

Ion	Ratio	Lower	Upper
252	100		
253	30.8	21.8	32.8
125	23.1	17.5	26.3



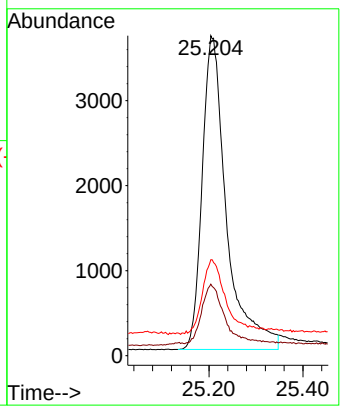


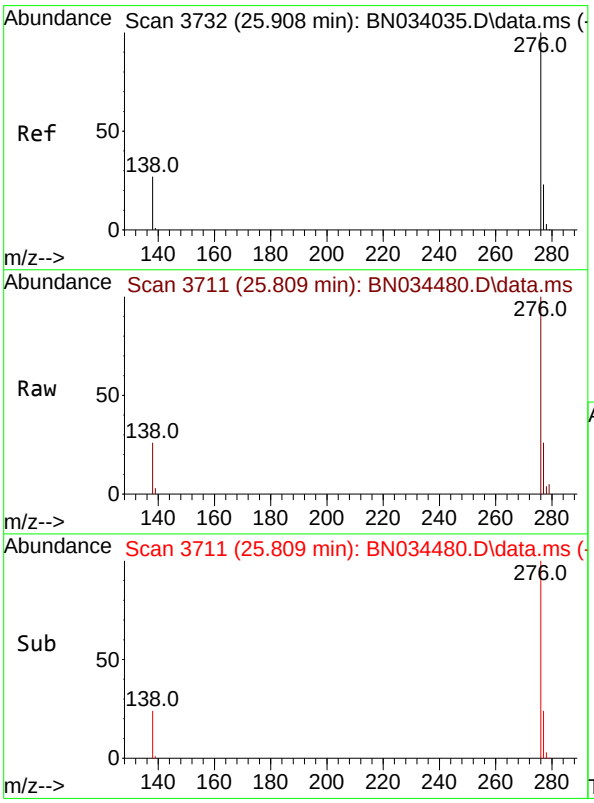
#40
Dibenzo(a,h)anthracene
Concen: 0.367 ng
RT: 25.204 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:278 Resp: 13272

Ion	Ratio	Lower	Upper
278	100		
139	22.4	17.8	26.8
279	30.0	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 25.809 min Scan# 3711
Delta R.T. -0.009 min
Lab File: BN034480.D
Acq: 08 Oct 2024 20:24

Tgt Ion:276 Resp: 16069

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.3	28.9
138	25.9	22.6	34.0