Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
Data File : BN034482.D
Acq On : 09 Oct 2024 00:08
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 09 00:56:21 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	4715	0.400	ng		-0.01
7) Naphthalene-d8	10.137	136	13137	0.400	ng		#-0.01
13) Acenaphthene-d10	14.026	164	7275	0.400	ng		-0.02
19) Phenanthrene-d10	16.790	188	13713	0.400	ng		-0.01
29) Chrysene-d12	21.015	240	9182	0.400	ng		0.00
35) Perylene-d12	23.119	264	10277	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.018	112	5220	0.390	ng		-0.01
5) Phenol-d6	6.578	99	5307	0.341	ng		-0.02
8) Nitrobenzene-d5	8.525	82	3093	0.308	ng		-0.01
11) 2-Methylnaphthalene-d10	11.738	152	7268	0.375	ng		-0.01
14) 2,4,6-Tribromophenol	15.549	330	1170	0.355	ng		0.00
15) 2-Fluorobiphenyl	12.647	172	9788	0.331	ng		-0.01
27) Fluoranthene-d10	18.836	212	12913	0.373	ng		0.00
31) Terphenyl-d14	19.459	244	8256	0.450	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.032	88	2269	0.385	ng		89
3) n-Nitrosodimethylamine	3.335	42	1839	0.274	ng	#	85
6) bis(2-Chloroethyl)ether	6.824	93	4374	0.318	ng		94
9) Naphthalene	10.180	128	13333	0.370	ng		99
10) Hexachlorobutadiene	10.468	225	2995	0.441	ng	#	97
12) 2-Methylnaphthalene	11.810	142	8304	0.354	ng		100
16) Acenaphthylene	13.737	152	10582	0.340	ng		100
17) Acenaphthene	14.090	154	7986	0.358	ng		99
18) Fluorene	15.095	166	9732	0.332	ng		99
20) 4,6-Dinitro-2-methylph...	16.294	198	71	0.166	ng	#	1
21) 4-Bromophenyl-phenylether	15.996	248	2917	0.378	ng	#	90
22) Hexachlorobenzene	16.095	284	4279	0.495	ng	#	88
23) Atrazine	16.294	200	2178	0.341	ng		96
24) Pentachlorophenol	16.468	266	1040	0.364	ng		98
25) Phenanthrene	16.828	178	14185	0.360	ng		100
26) Anthracene	16.927	178	11288	0.351	ng		99
28) Fluoranthene	18.864	202	16217	0.356	ng		98
30) Pyrene	19.231	202	16581	0.428	ng		100
32) Benzo(a)anthracene	21.006	228	3647	0.126	ng		98
33) Chrysene	21.051	228	13602	0.393	ng		98
36) Indeno(1,2,3-cd)pyrene	25.183	276	16677	0.379	ng		96
37) Benzo(b)fluoranthene	22.500	252	13986	0.347	ng		94
38) Benzo(k)fluoranthene	22.541	252	16275	0.385	ng		95
39) Benzo(a)pyrene	23.029	252	12258	0.374	ng		92
40) Dibenzo(a,h)anthracene	25.204	278	12746	0.373	ng		96
41) Benzo(g,h,i)perylene	25.803	276	15553	0.405	ng		97

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

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Instrument :
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Quant Time: Oct 09 00:56:21 2024
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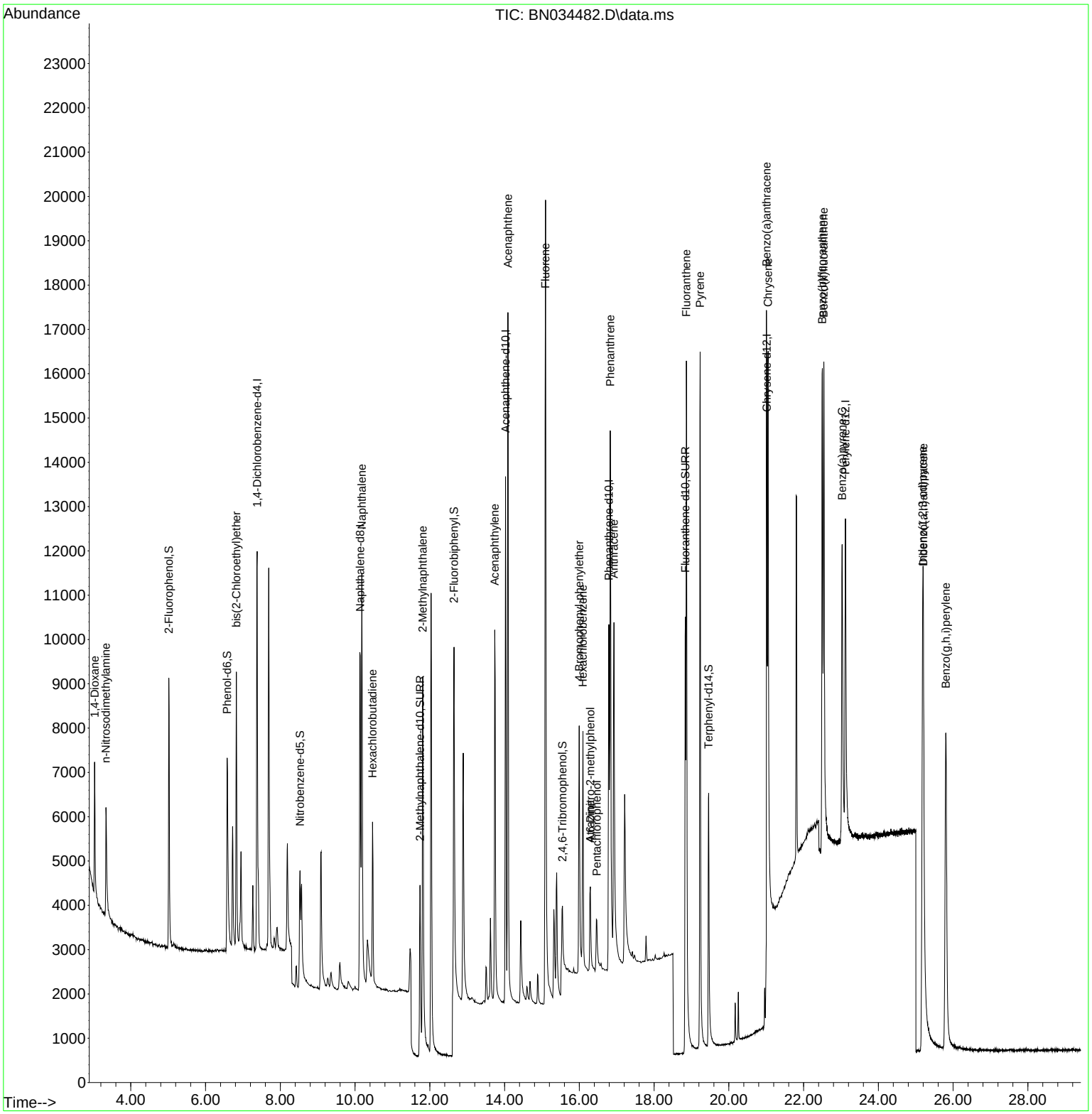
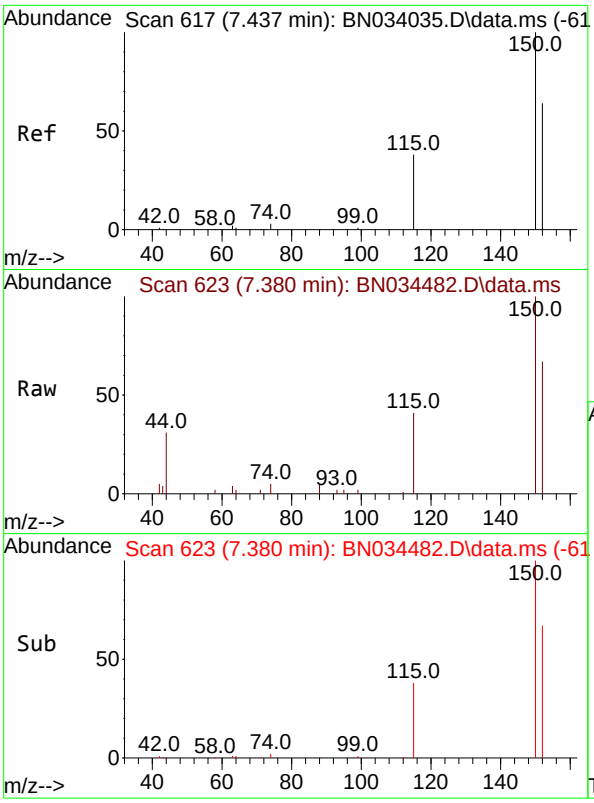


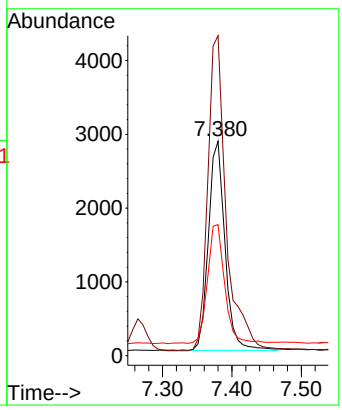


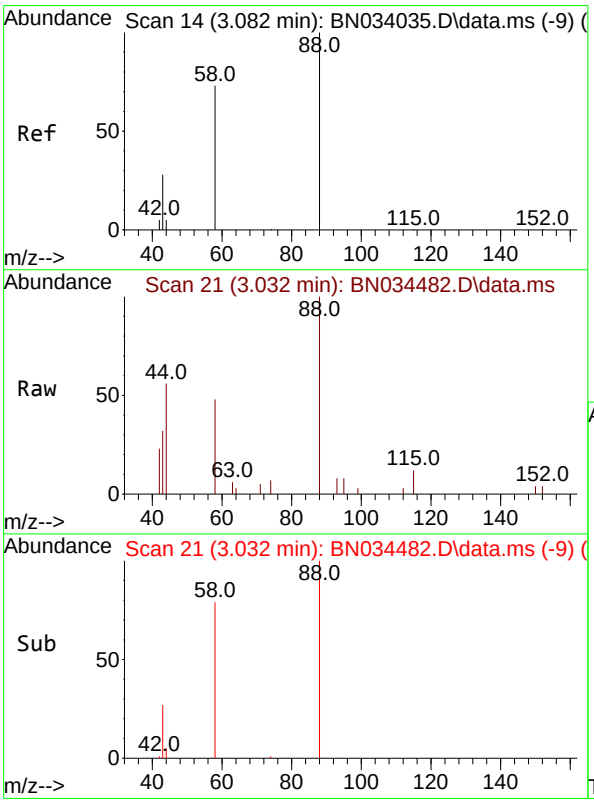
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.380 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4715

Ion	Ratio	Lower	Upper
152	100		
150	149.2	124.6	187.0
115	61.1	50.0	75.0

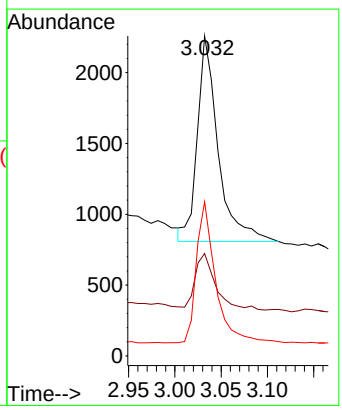


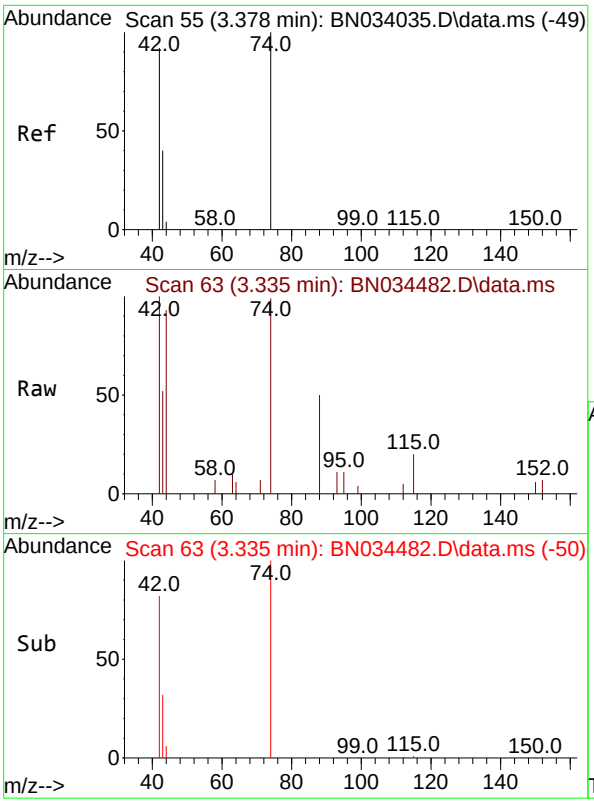


#2
1,4-Dioxane
Concen: 0.385 ng
RT: 3.032 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion: 88 Resp: 2269

Ion	Ratio	Lower	Upper
88	100		
43	27.3	25.8	38.8
58	63.2	58.8	88.2



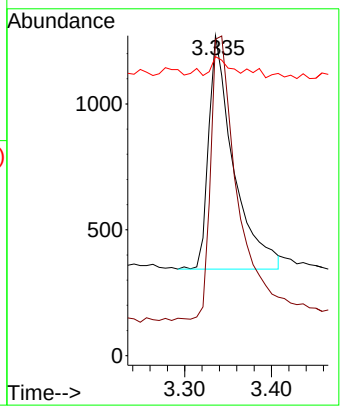


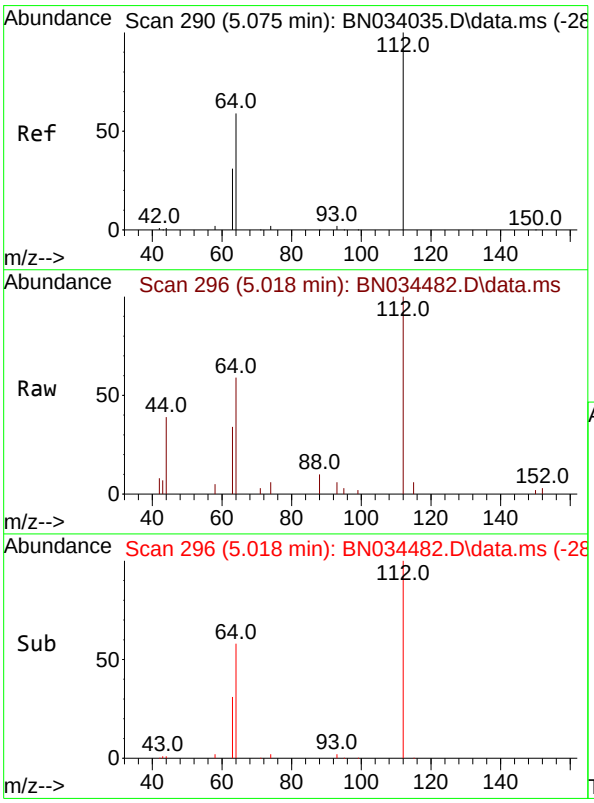
#3
n-Nitrosodimethylamine
Concen: 0.274 ng
RT: 3.335 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1839

Ion	Ratio	Lower	Upper
42	100		
74	133.8	94.6	142.0
44	4.6	12.4	18.6#

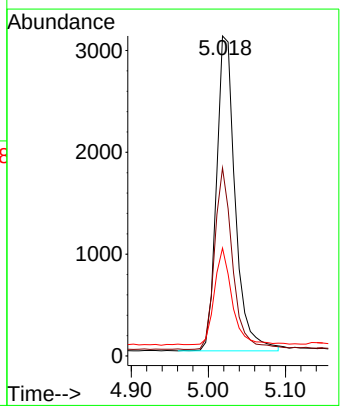


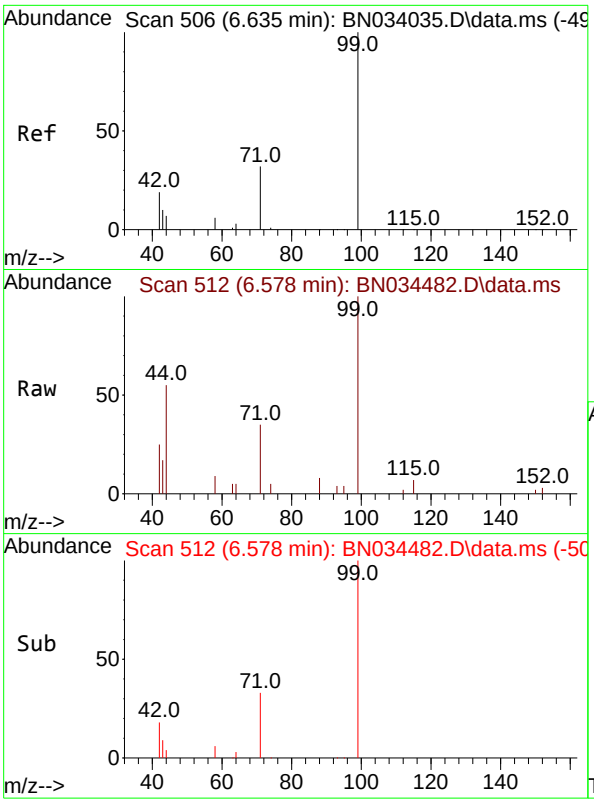


#4
2-Fluorophenol
Concen: 0.390 ng
RT: 5.018 min Scan# 296
Delta R.T. -0.014 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:112 Resp: 5220

Ion	Ratio	Lower	Upper
112	100		
64	55.3	48.6	72.8
63	28.4	25.6	38.4



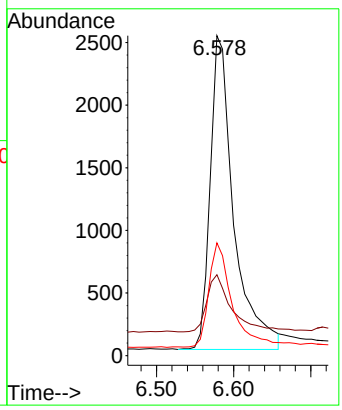


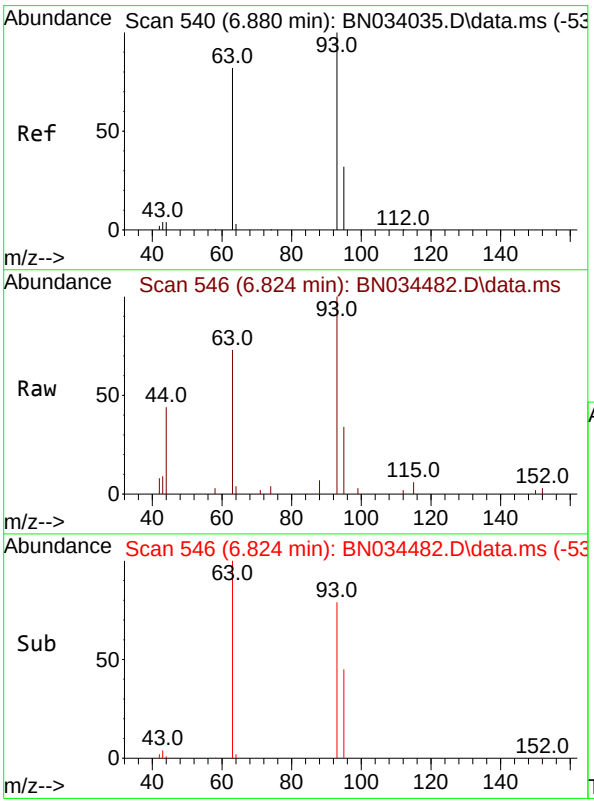
#5
Phenol-d6
Concen: 0.341 ng
RT: 6.578 min Scan# 5
Delta R.T. -0.022 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5307

Ion	Ratio	Lower	Upper
99	100		
42	18.9	17.8	26.8
71	33.1	26.2	39.2

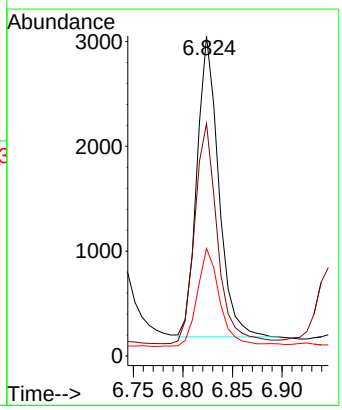


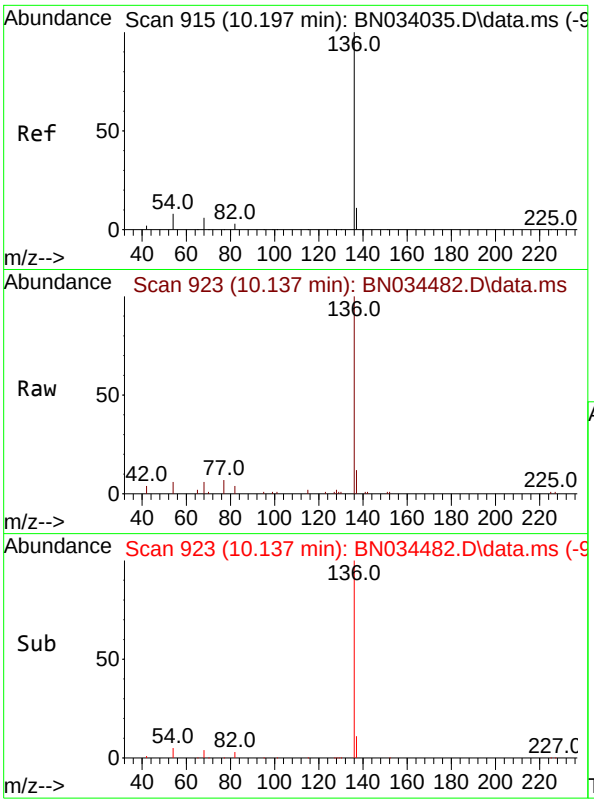


#6
bis(2-Chloroethyl)ether
Concen: 0.318 ng
RT: 6.824 min Scan# 546
Delta R.T. -0.014 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion: 93 Resp: 4374

Ion	Ratio	Lower	Upper
93	100		
63	76.9	67.3	100.9
95	34.8	26.8	40.2



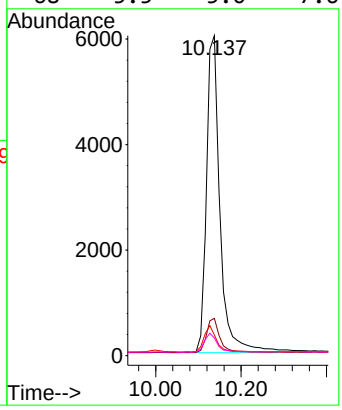


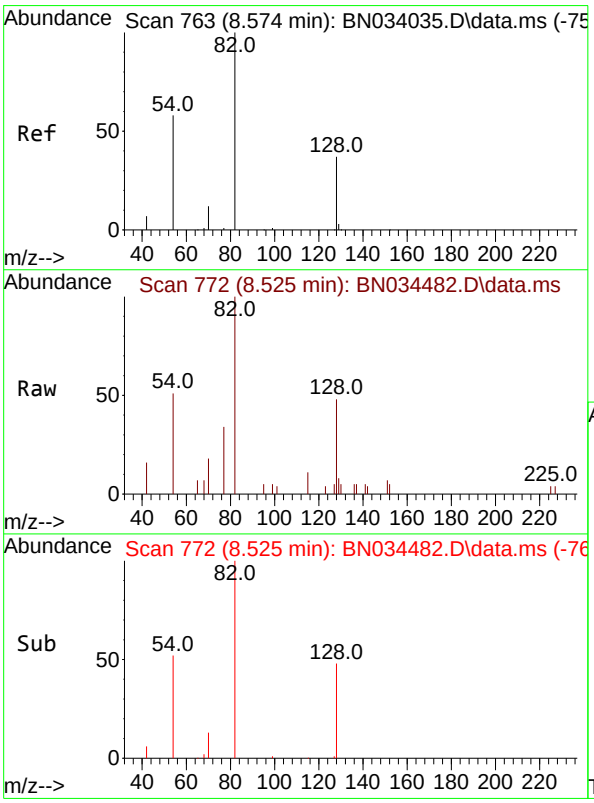
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.137 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 13137

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.6
54	6.5	6.8	10.2#
68	5.5	5.0	7.6

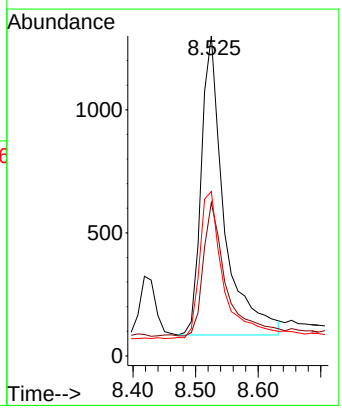


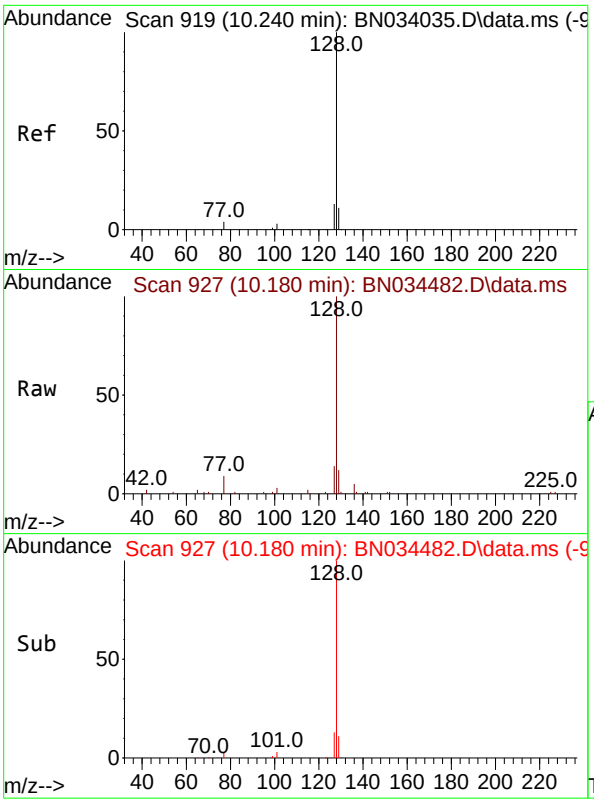


#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.525 min Scan# 772
Delta R.T. -0.011 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion: 82 Resp: 3093

Ion	Ratio	Lower	Upper
82	100		
128	47.9	31.4	47.2#
54	51.4	47.4	71.0



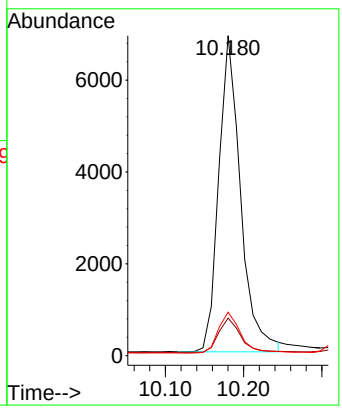


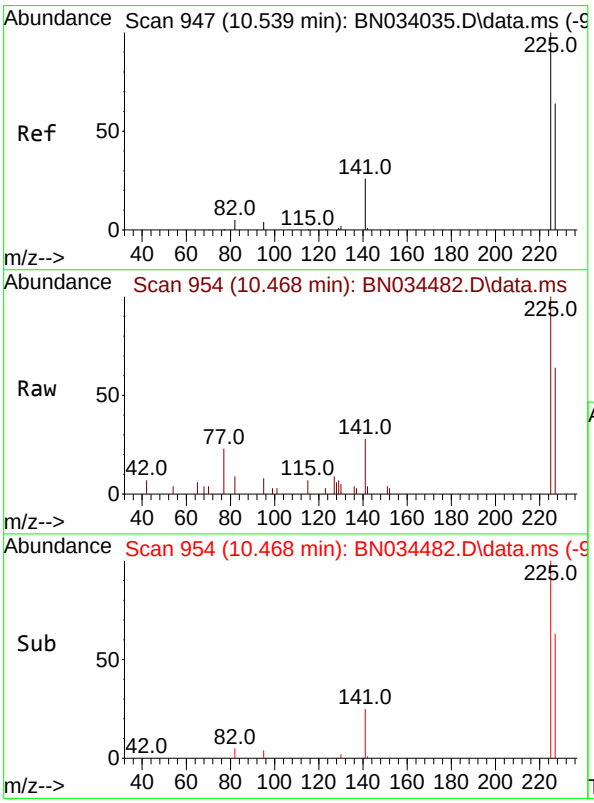
#9
Naphthalene
Concen: 0.370 ng
RT: 10.180 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 13333

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	13.6	10.7	16.1

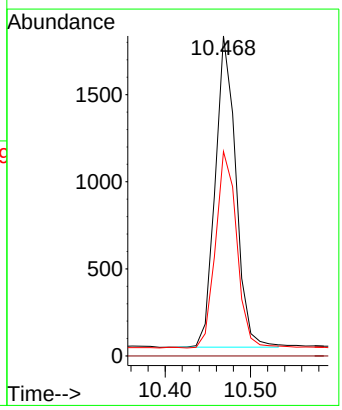


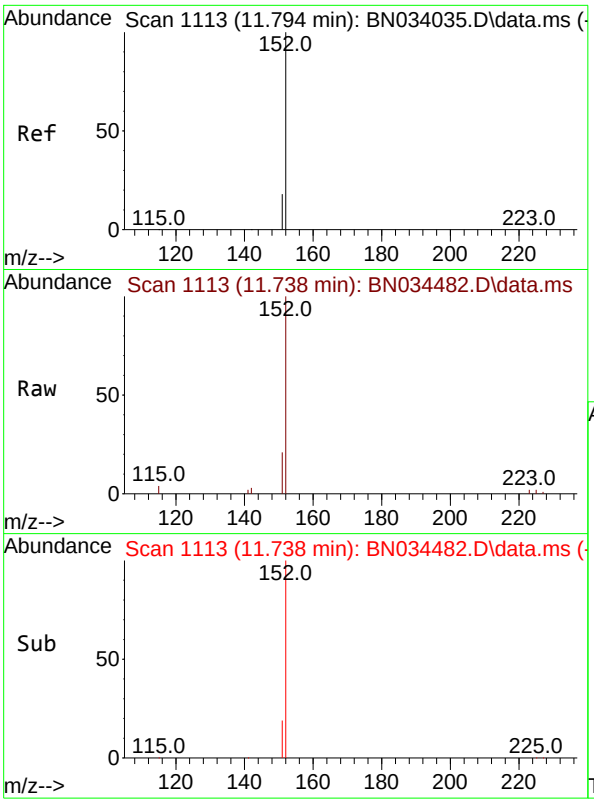


#10
Hexachlorobutadiene
Concen: 0.441 ng
RT: 10.468 min Scan# 954
Delta R.T. -0.021 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:225 Resp: 2995

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	50.5	75.7



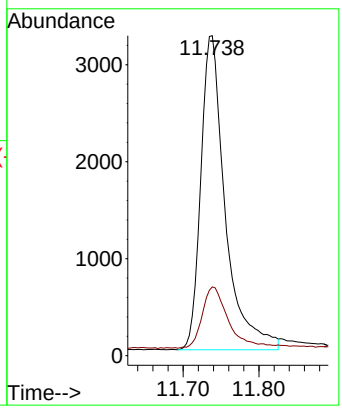


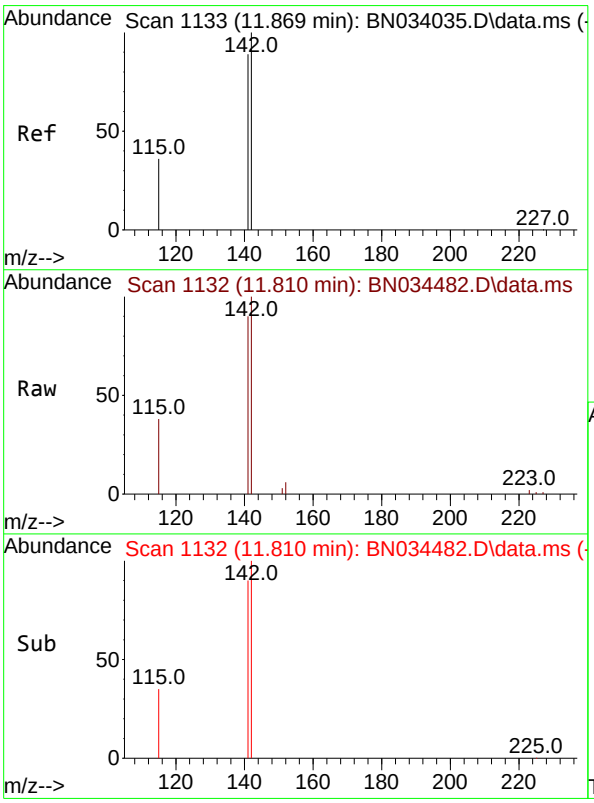
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.738 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7268

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2

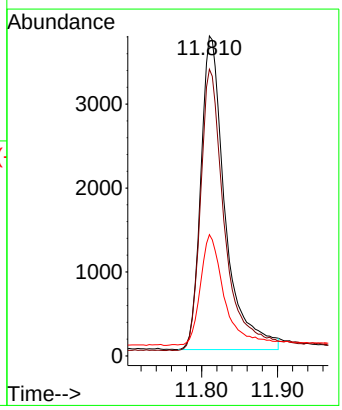


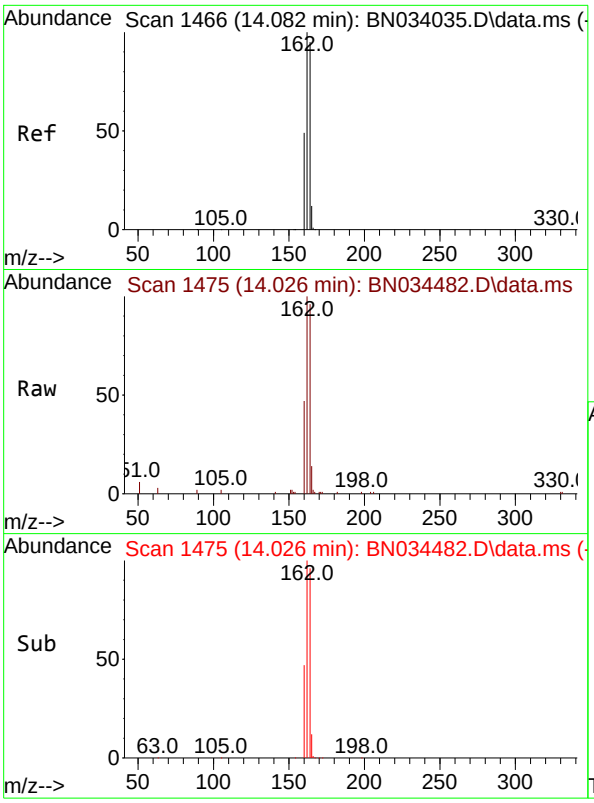


#12
2-Methylnaphthalene
Concen: 0.354 ng
RT: 11.810 min Scan# 1132
Delta R.T. -0.019 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:142 Resp: 8304

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.6	107.4
115	37.9	30.0	45.0



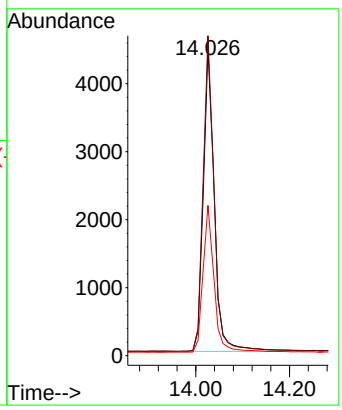


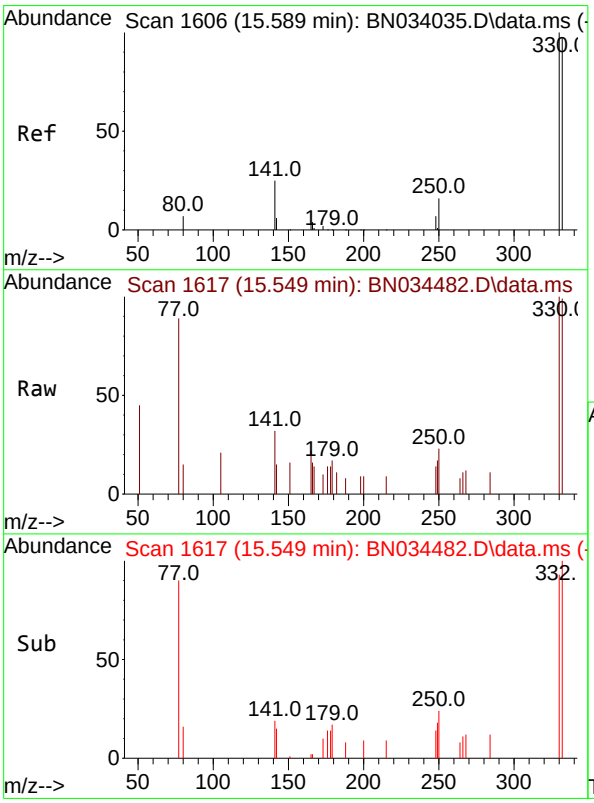
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.026 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7275

Ion	Ratio	Lower	Upper
164	100		
162	104.5	84.2	126.2
160	49.1	41.7	62.5

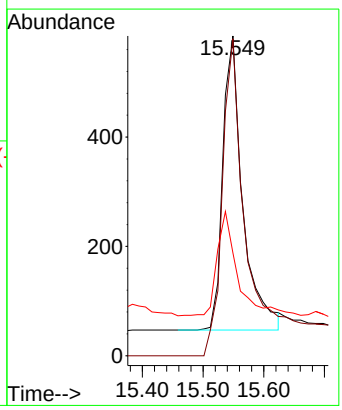


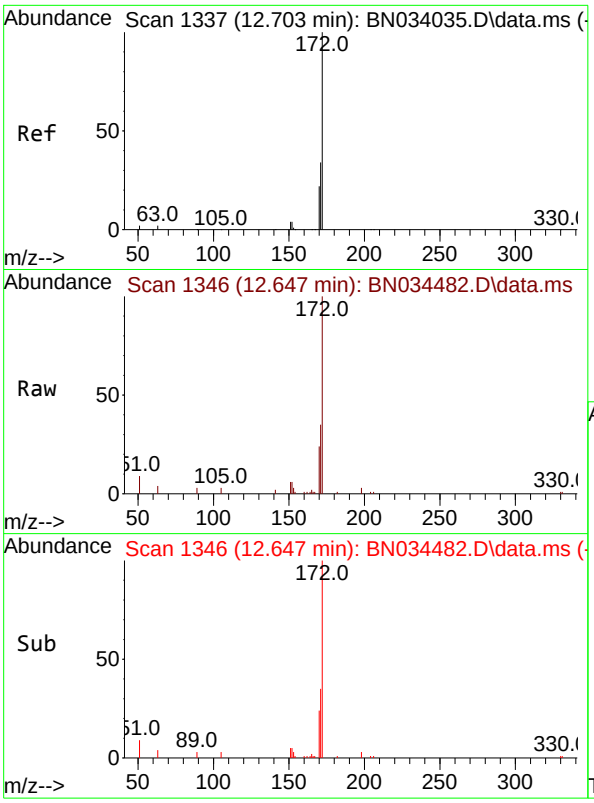


#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.549 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:330 Resp: 1170

Ion	Ratio	Lower	Upper
330	100		
332	126.9	77.4	116.0#
141	35.3	35.9	53.9#



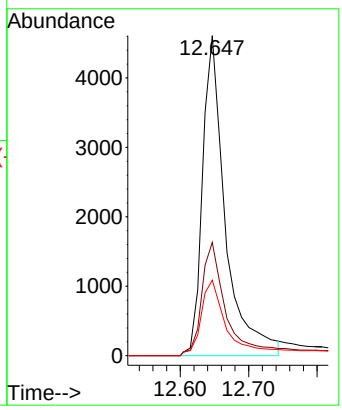


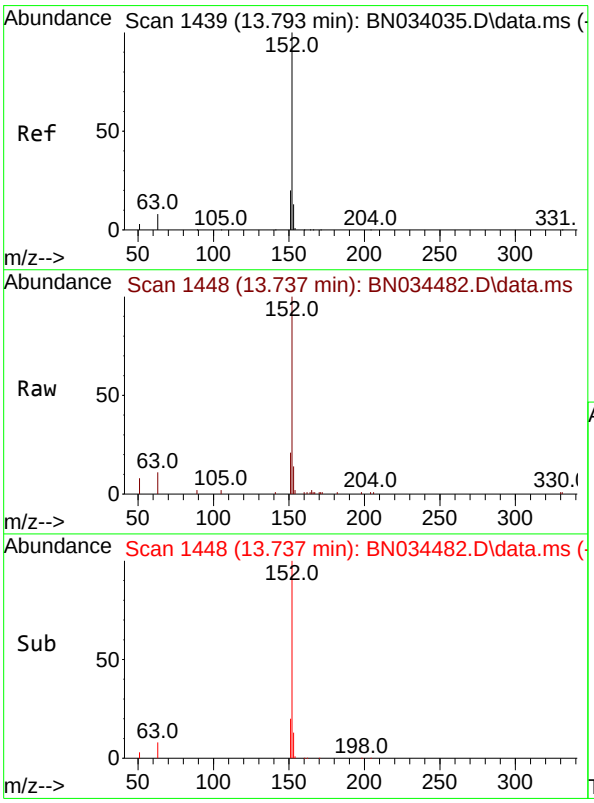
#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 12.647 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 9788

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	23.6	18.1	27.1

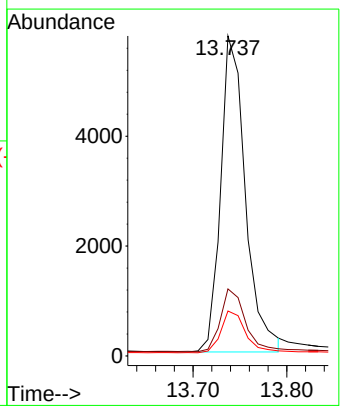


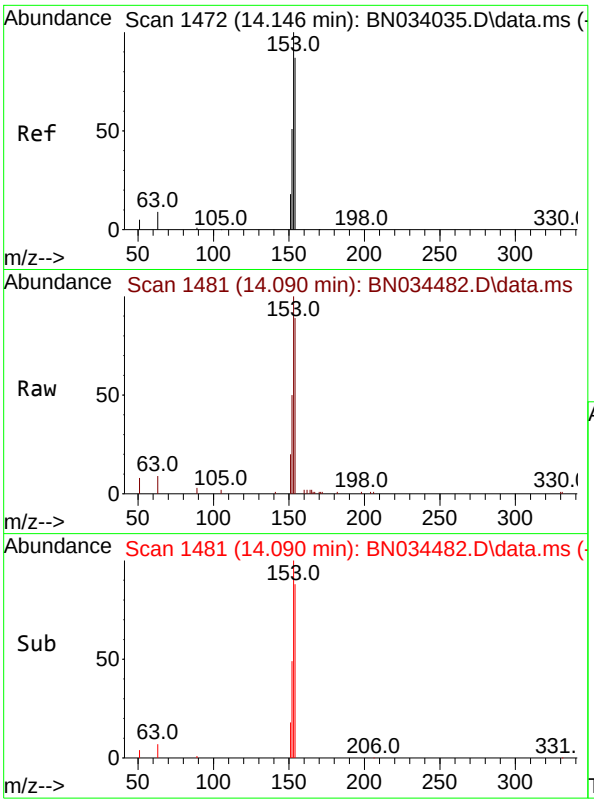


#16
Acenaphthylene
Concen: 0.340 ng
RT: 13.737 min Scan# 1448
Delta R.T. -0.021 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:152 Resp: 10582

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.1	10.3	15.5



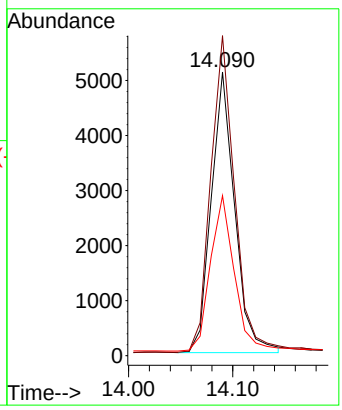


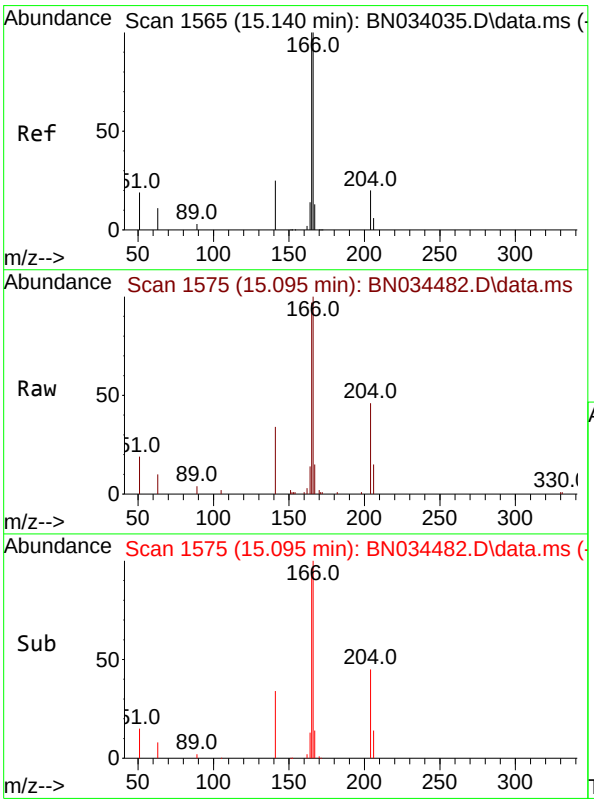
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.090 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 7986

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.6	137.4
152	56.3	47.4	71.2

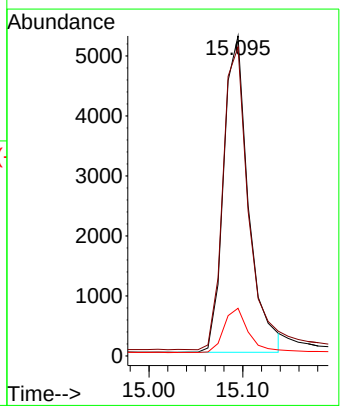


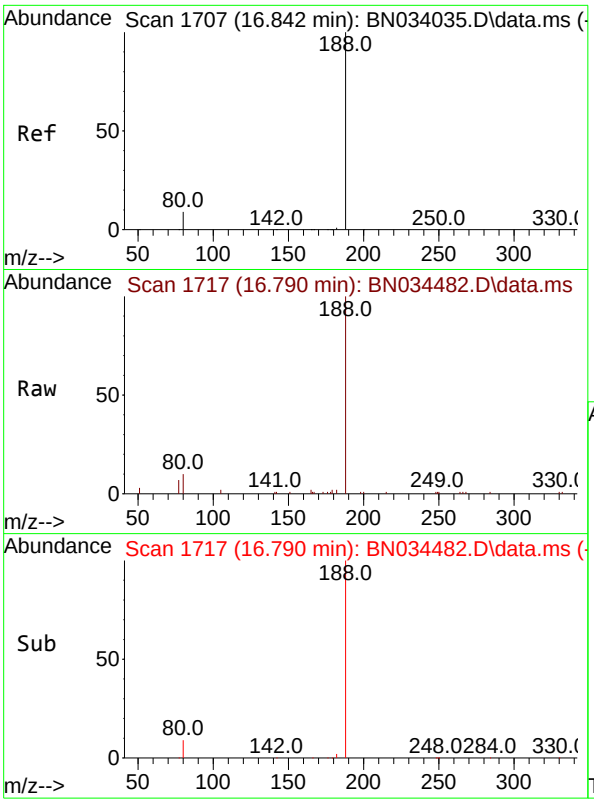


#18
Fluorene
Concen: 0.332 ng
RT: 15.095 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:166 Resp: 9732

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.1	118.7
167	13.7	10.6	15.8



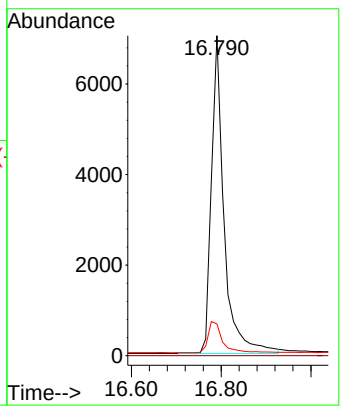


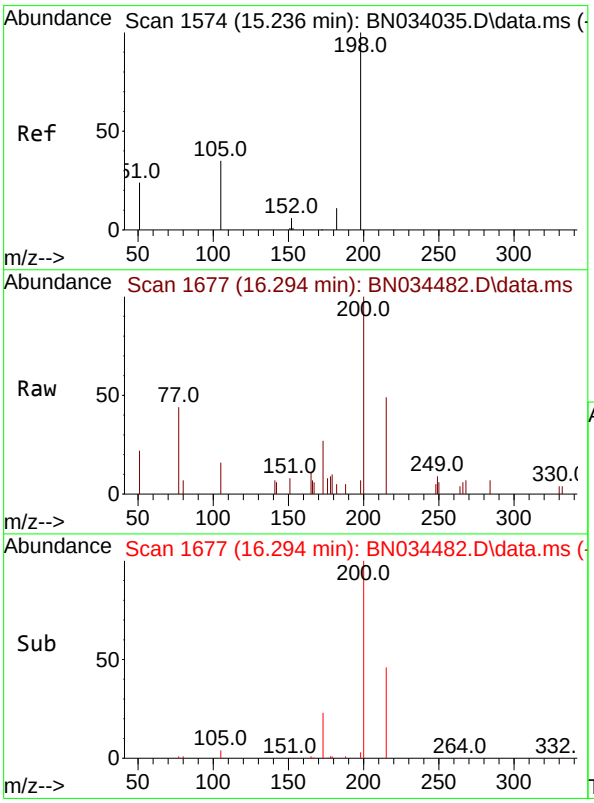
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.790 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 13713

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	7.4	11.0

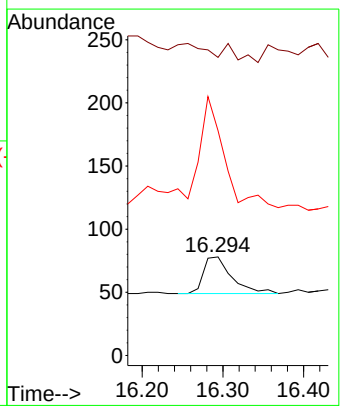


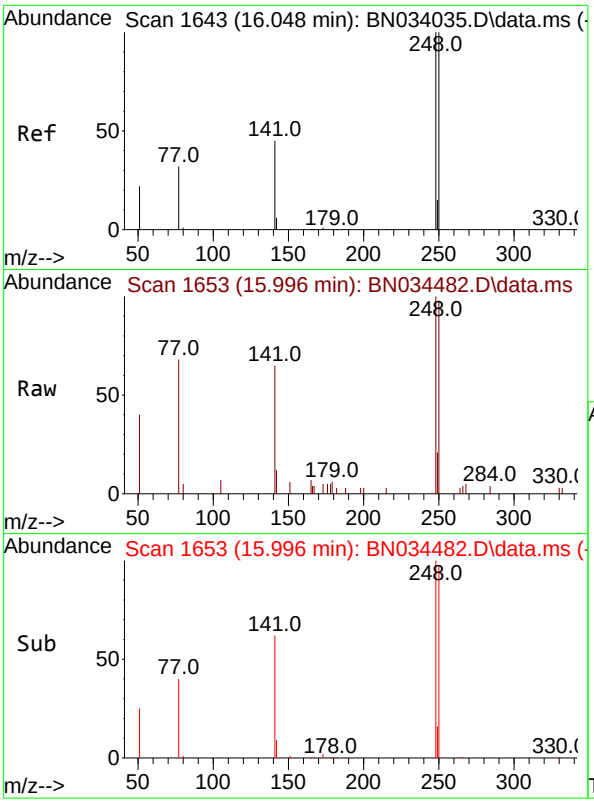


#20
4,6-Dinitro-2-methylphenol
Concen: 0.166 ng
RT: 16.294 min Scan# 1677
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:198 Resp: 71

Ion	Ratio	Lower	Upper
198	100		
51	302.6	106.4	159.6#
105	228.2	38.5	57.7#



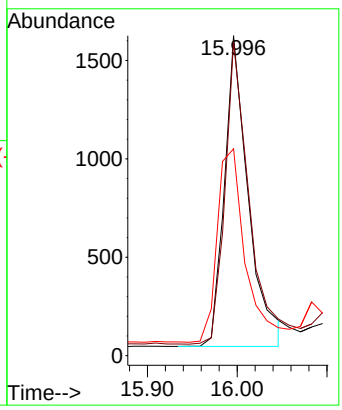


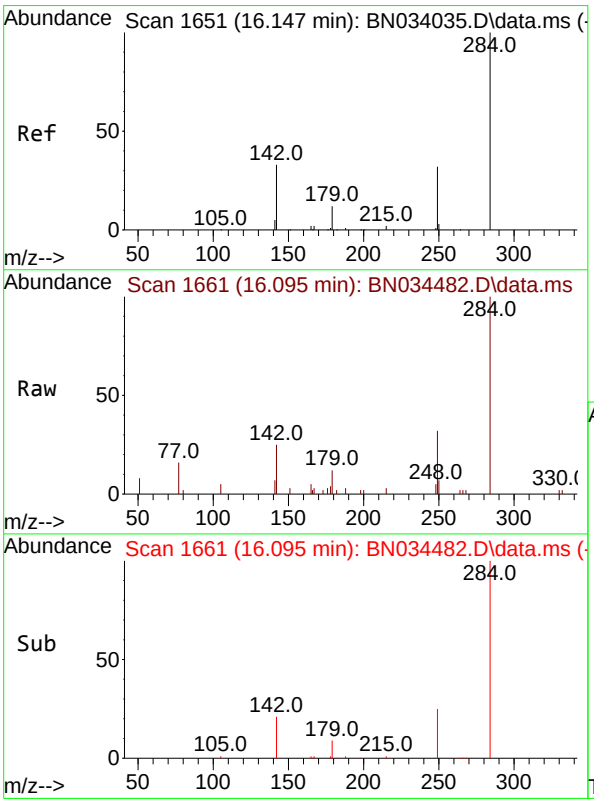
#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.996 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2917

Ion	Ratio	Lower	Upper
248	100		
250	98.1	80.5	120.7
141	64.6	37.1	55.7#

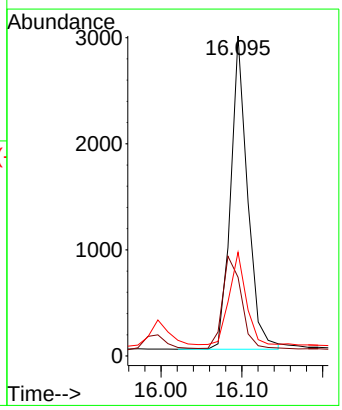


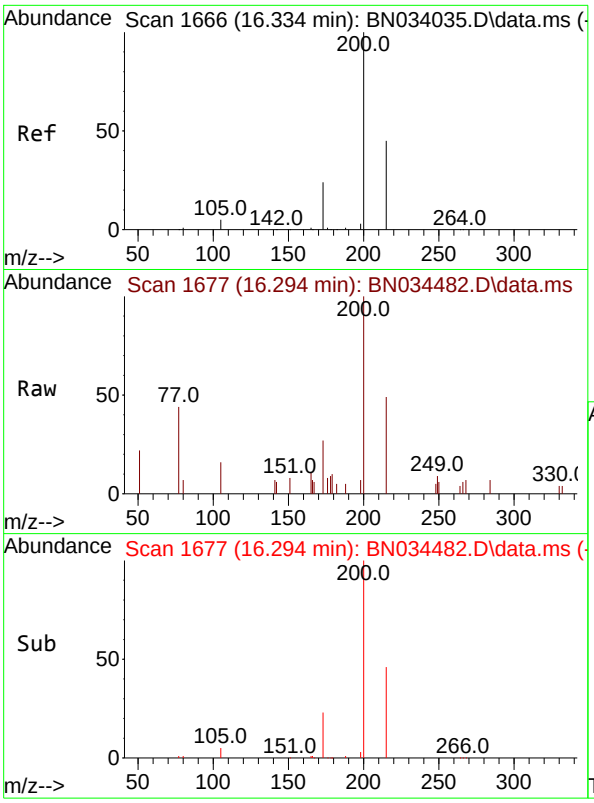


#22
Hexachlorobenzene
Concen: 0.495 ng
RT: 16.095 min Scan# 1661
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:284 Resp: 4279

Ion	Ratio	Lower	Upper
284	100		
142	32.7	34.5	51.7#
249	29.2	25.8	38.6



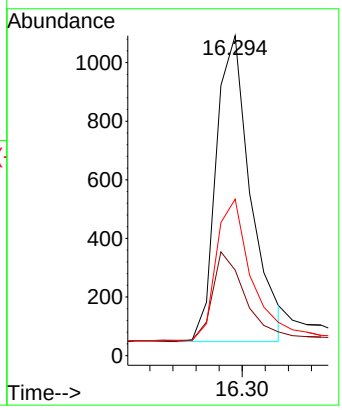


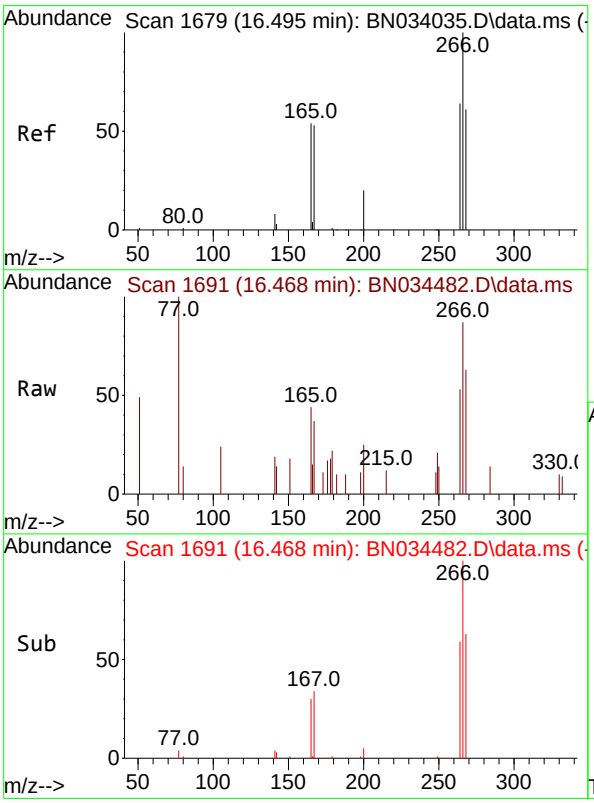
#23
Atrazine
Concen: 0.341 ng
RT: 16.294 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2178

Ion	Ratio	Lower	Upper
200	100		
173	26.7	20.1	30.1
215	48.9	37.0	55.6

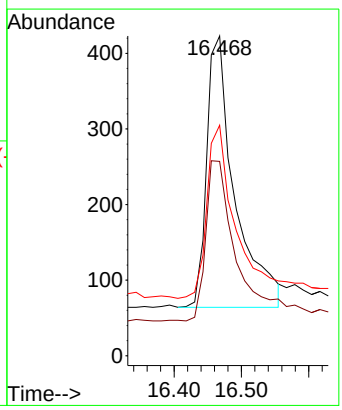


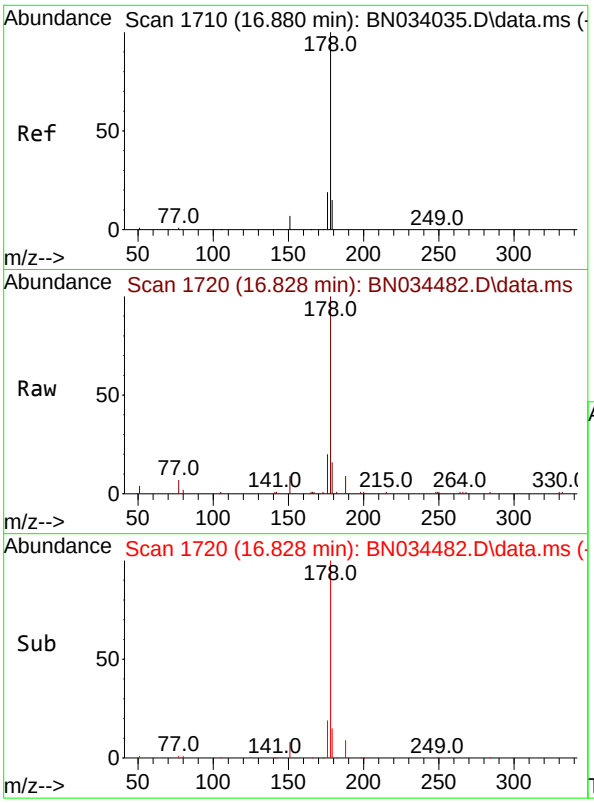


#24
Pentachlorophenol
Concen: 0.364 ng
RT: 16.468 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:266 Resp: 1040

Ion	Ratio	Lower	Upper
266	100		
264	61.4	50.2	75.2
268	64.8	51.0	76.4



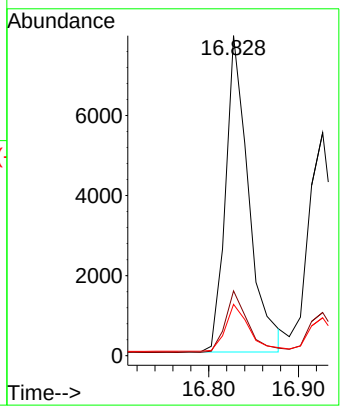


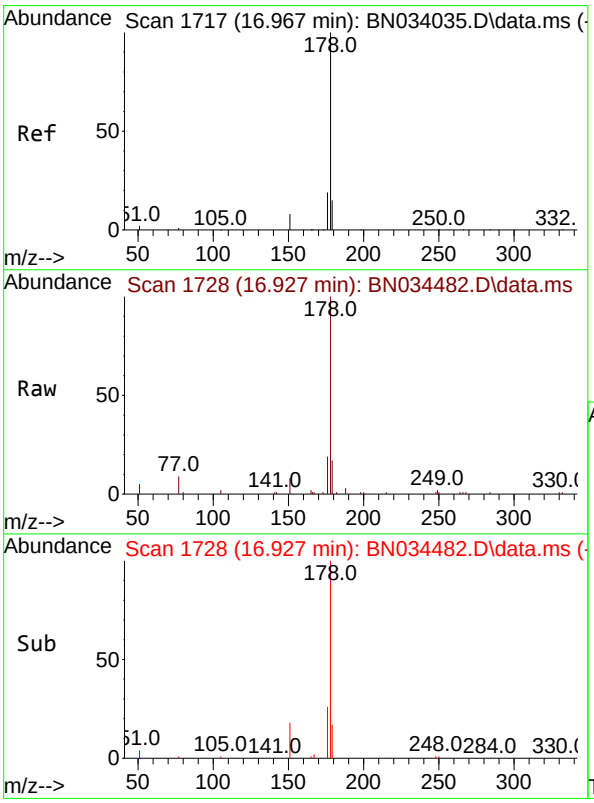
#25
Phenanthrene
Concen: 0.360 ng
RT: 16.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 14185

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1

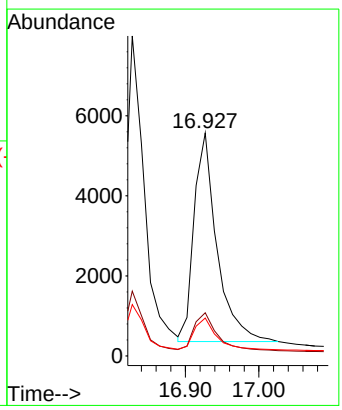


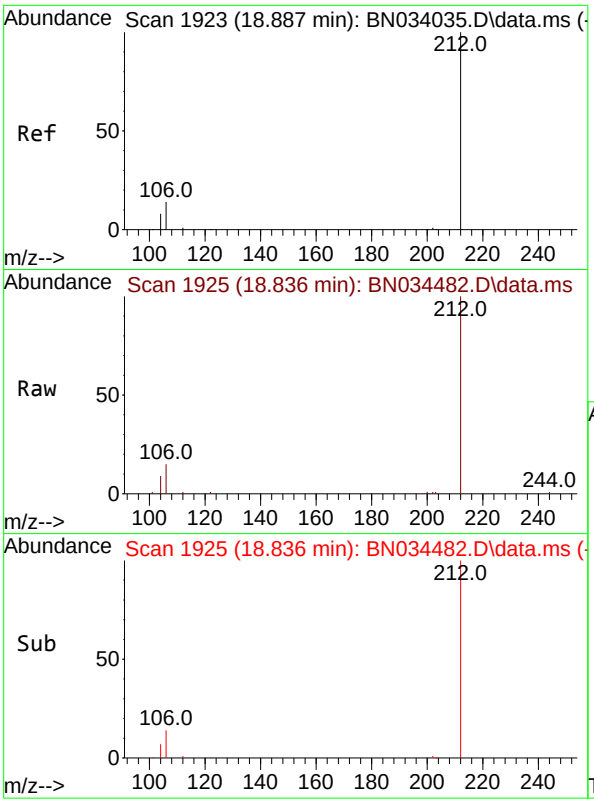


#26
Anthracene
Concen: 0.351 ng
RT: 16.927 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:178 Resp: 11288

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	14.7	12.2	18.4



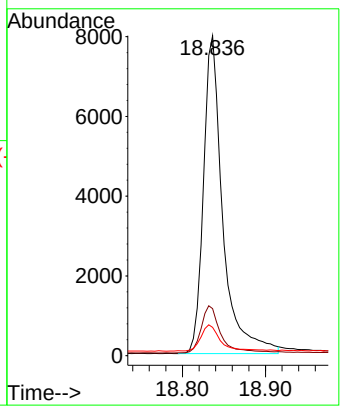


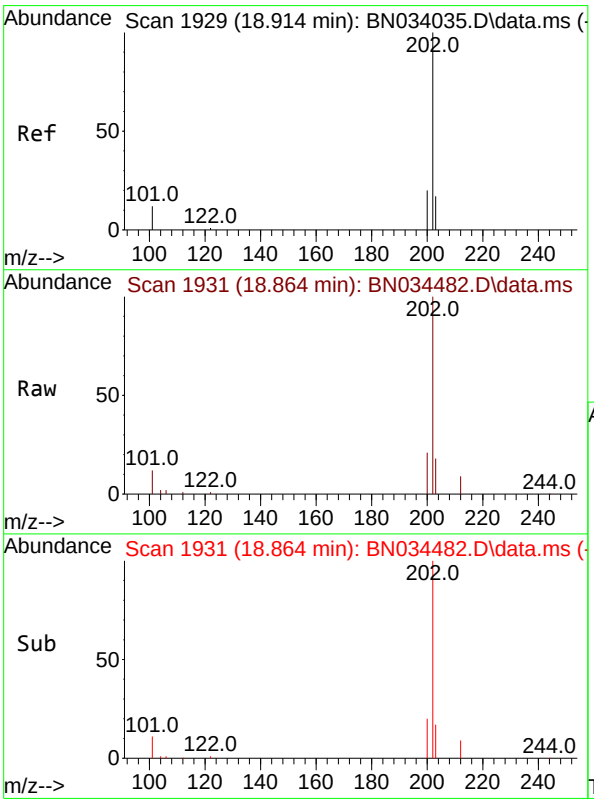
#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 18.836 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12913

Ion	Ratio	Lower	Upper
212	100		
106	15.0	13.4	20.2
104	8.6	7.8	11.6

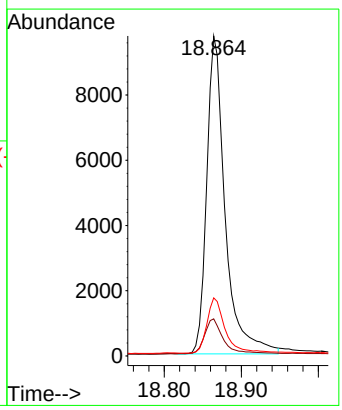


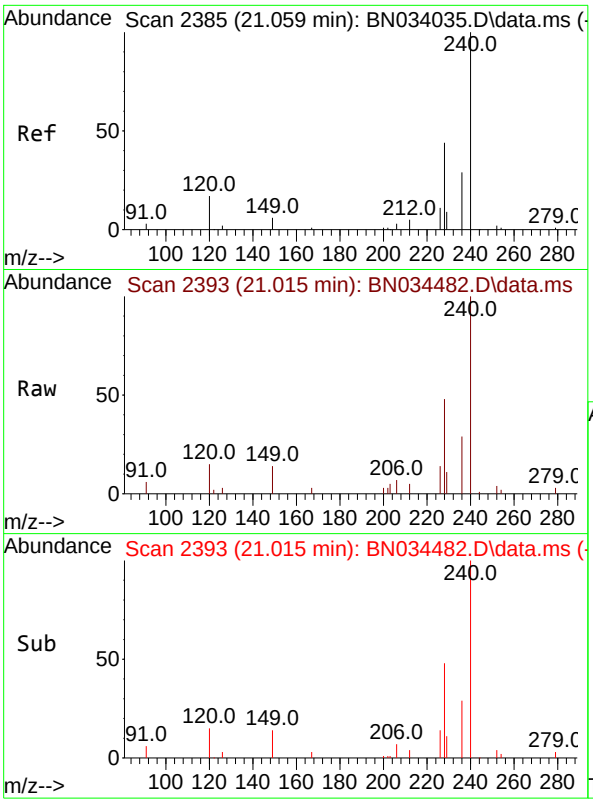


#28
Fluoranthene
Concen: 0.356 ng
RT: 18.864 min Scan# 1931
Delta R.T. -0.014 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:202 Resp: 16217

Ion	Ratio	Lower	Upper
202	100		
101	11.4	10.1	15.1
203	17.2	13.6	20.4



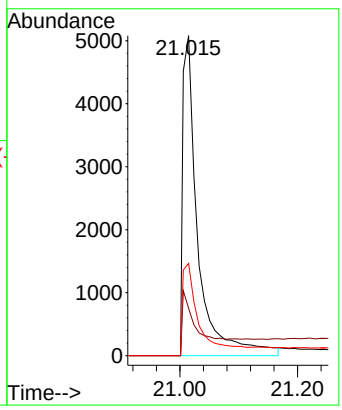


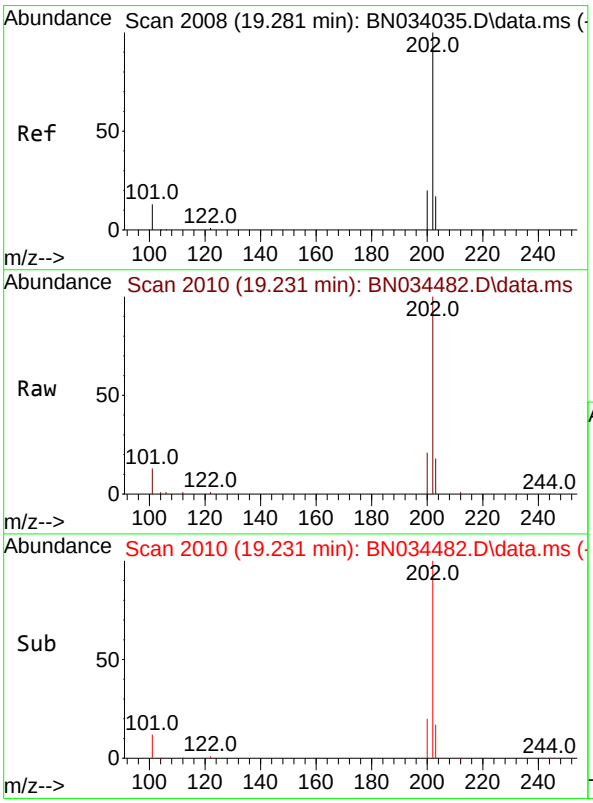
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 9182

Ion	Ratio	Lower	Upper
240	100		
120	14.8	13.5	20.3
236	28.8	23.4	35.0

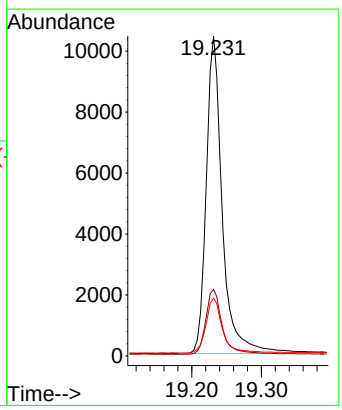


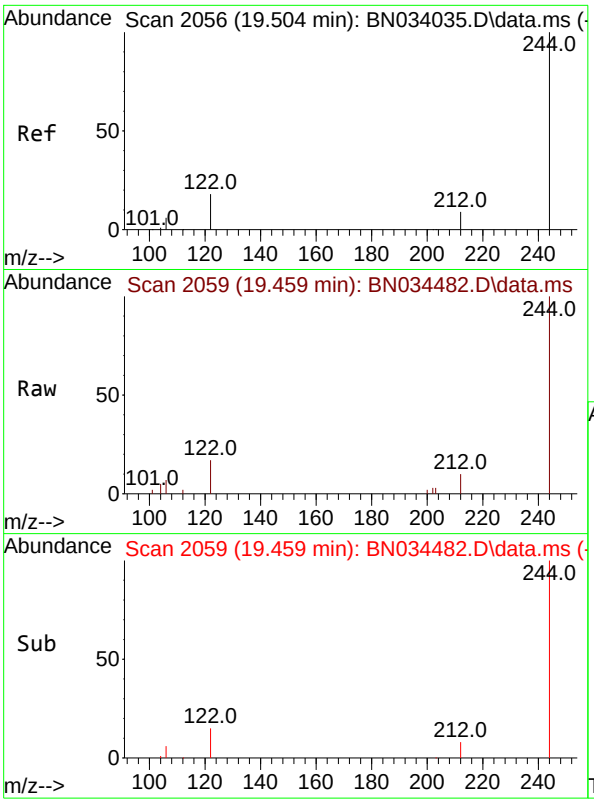


#30
Pyrene
Concen: 0.428 ng
RT: 19.231 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:202 Resp: 16581

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.9	14.3	21.5



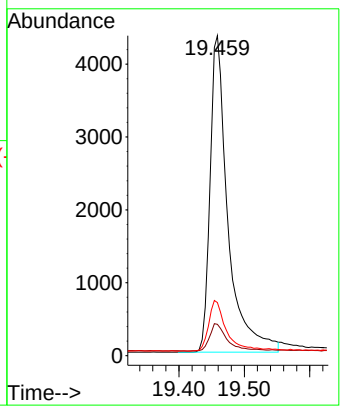


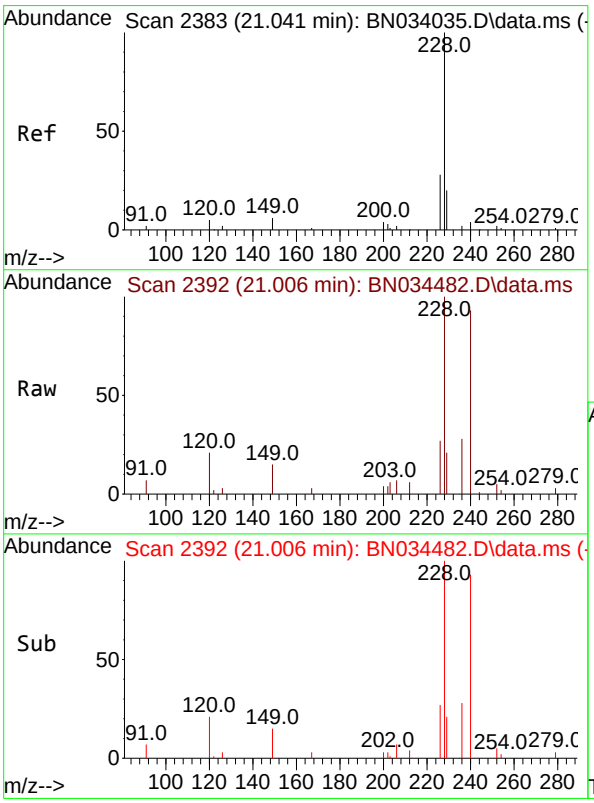
#31
Terphenyl-d14
Concen: 0.450 ng
RT: 19.459 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8256

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.8	11.6
122	16.6	14.8	22.2

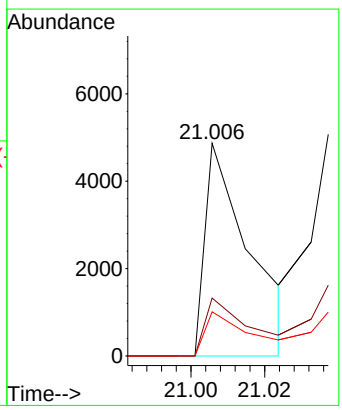


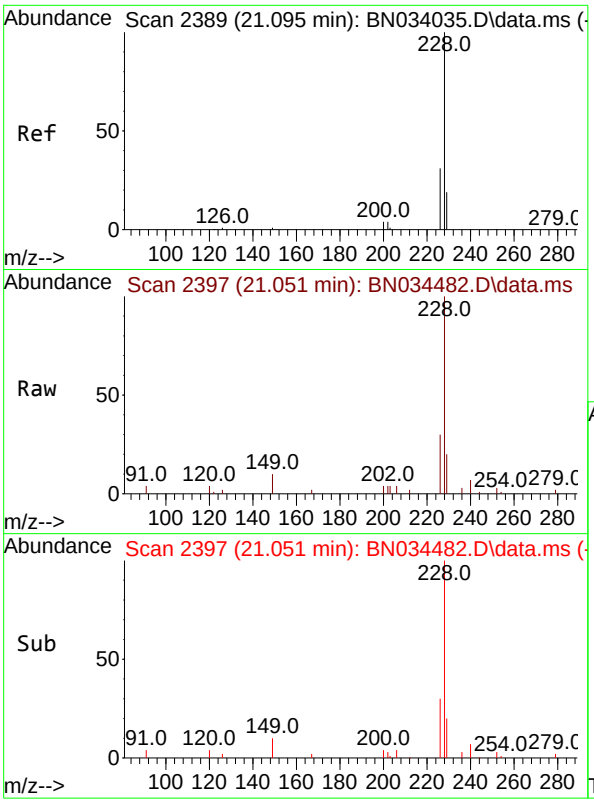


#32
Benzo(a)anthracene
Concen: 0.126 ng
RT: 21.006 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:228 Resp: 3647

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.3	33.5
229	20.8	15.7	23.5



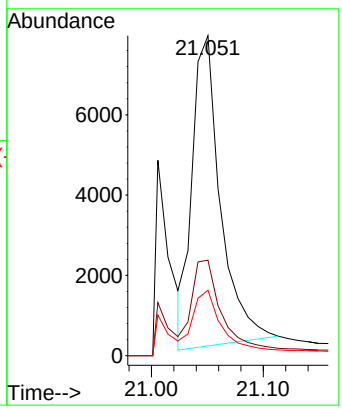


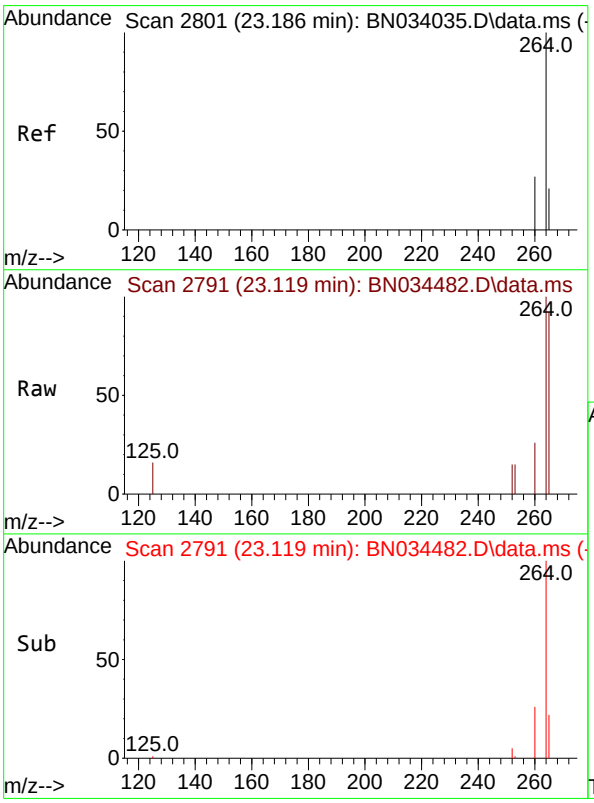
#33
Chrysene
Concen: 0.393 ng
RT: 21.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 13602

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	20.4	15.5	23.3

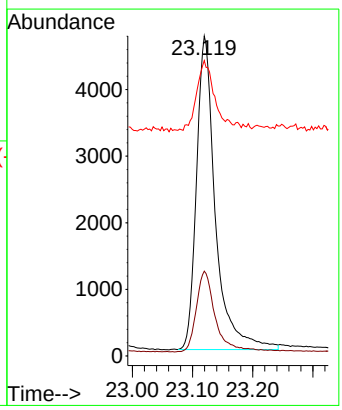


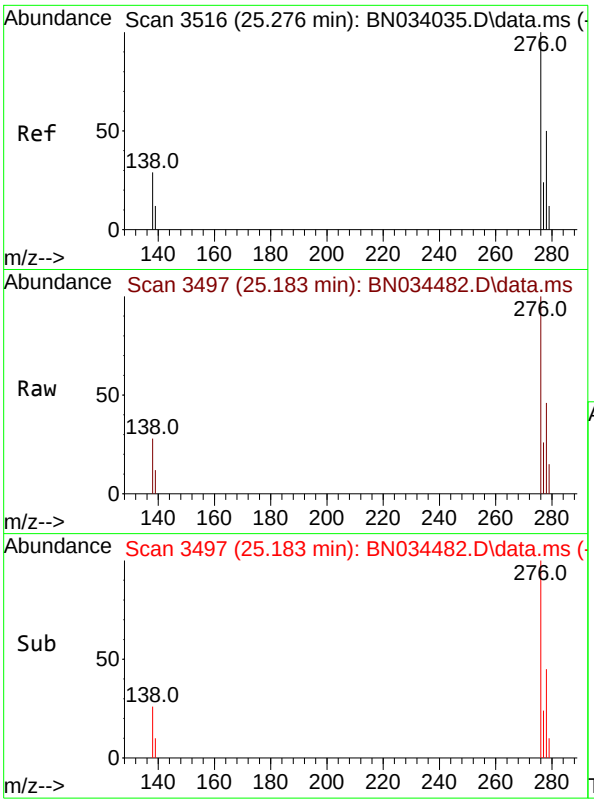


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.119 min Scan# 2791
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:264 Resp: 10277

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.7	32.5
265	92.3	52.1	78.1#



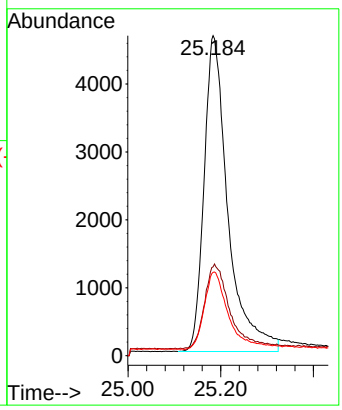


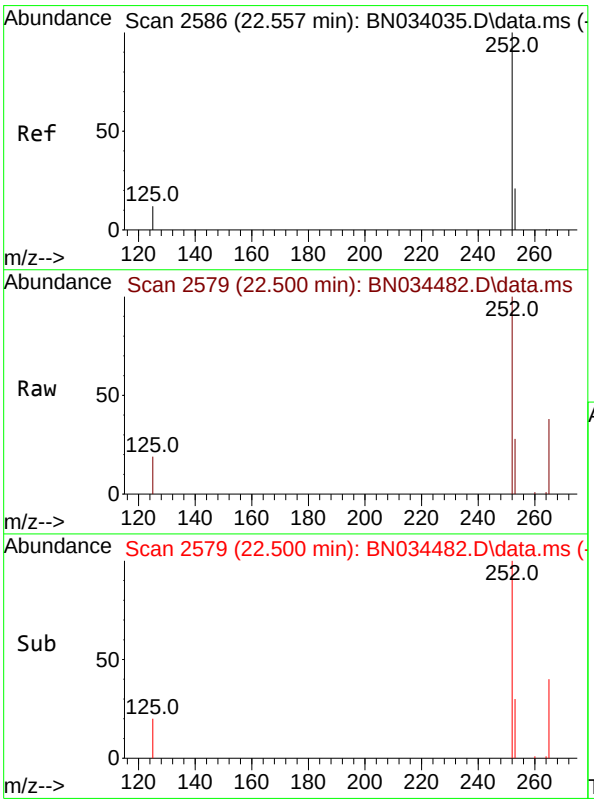
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.379 ng
RT: 25.183 min Scan# 34
Delta R.T. -0.012 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 16677

Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.9	38.9
277	25.1	19.7	29.5

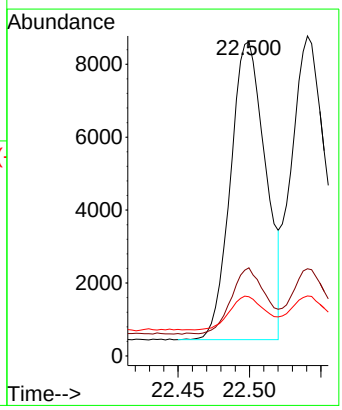


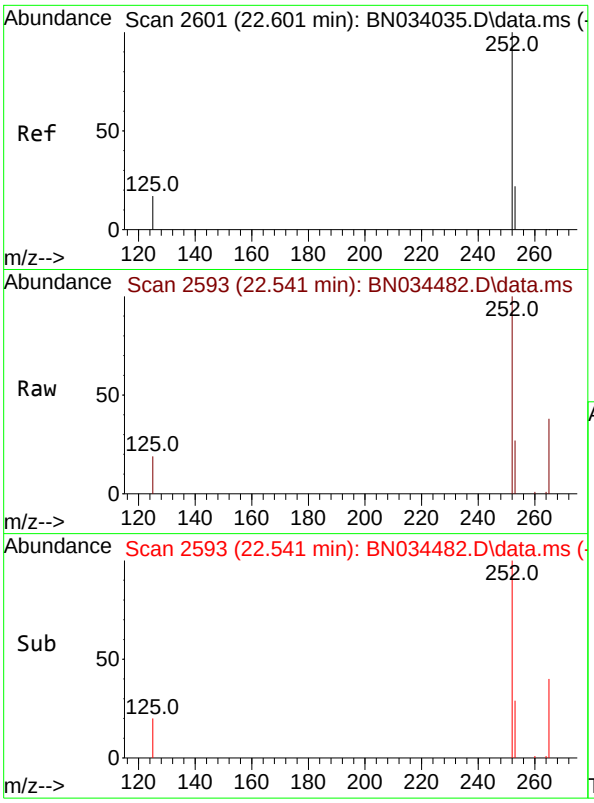


#37
Benzo(b)fluoranthene
Concen: 0.347 ng
RT: 22.500 min Scan# 2579
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:252 Resp: 13986

Ion	Ratio	Lower	Upper
252	100		
253	28.1	19.6	29.4
125	18.8	13.8	20.8



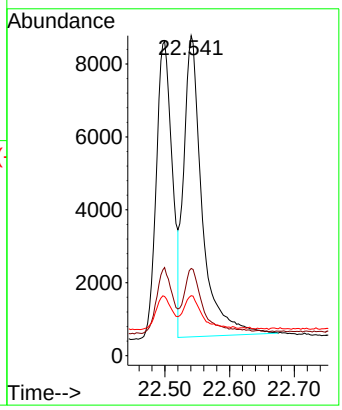


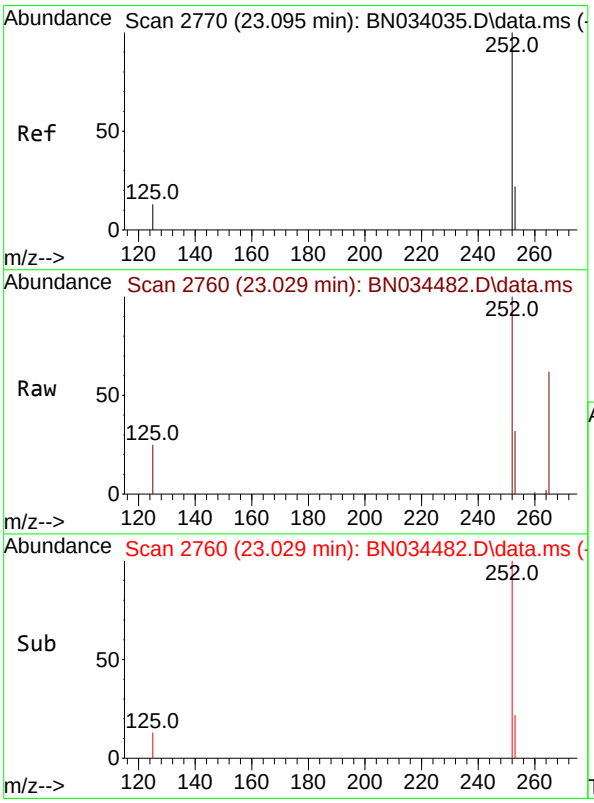
#38
Benzo(k)fluoranthene
Concen: 0.385 ng
RT: 22.541 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16275

Ion	Ratio	Lower	Upper
252	100		
253	27.3	20.1	30.1
125	18.7	16.8	25.2

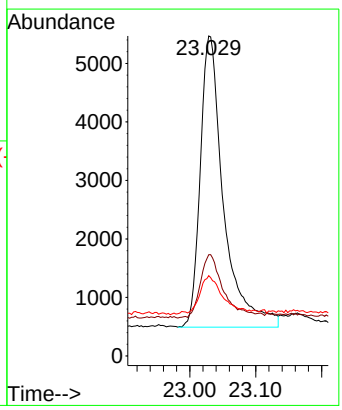


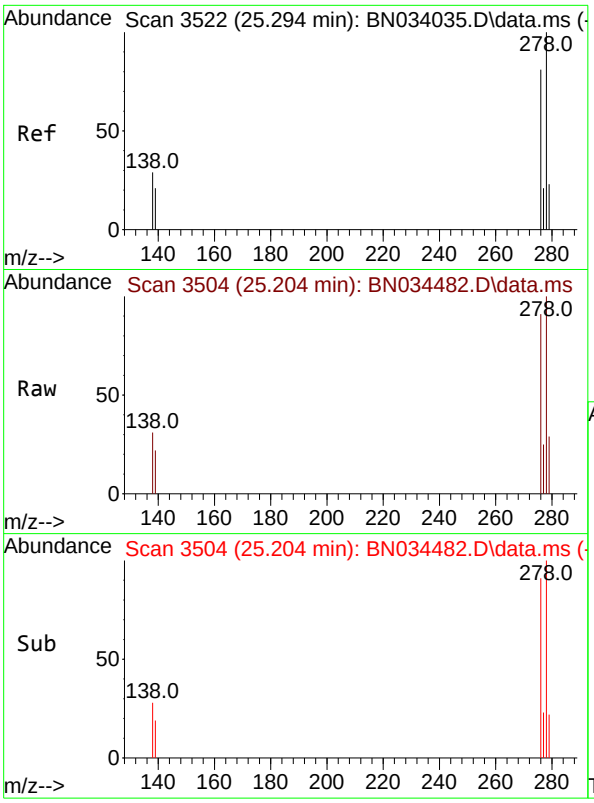


#39
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.029 min Scan# 2760
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:252 Resp: 12258

Ion	Ratio	Lower	Upper
252	100		
253	31.6	21.8	32.8
125	25.1	17.5	26.3



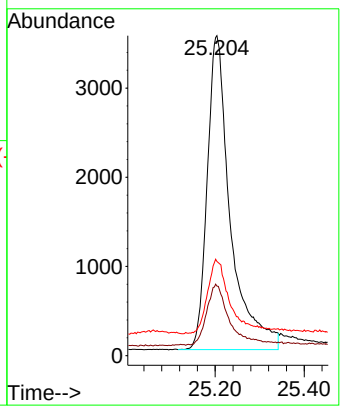


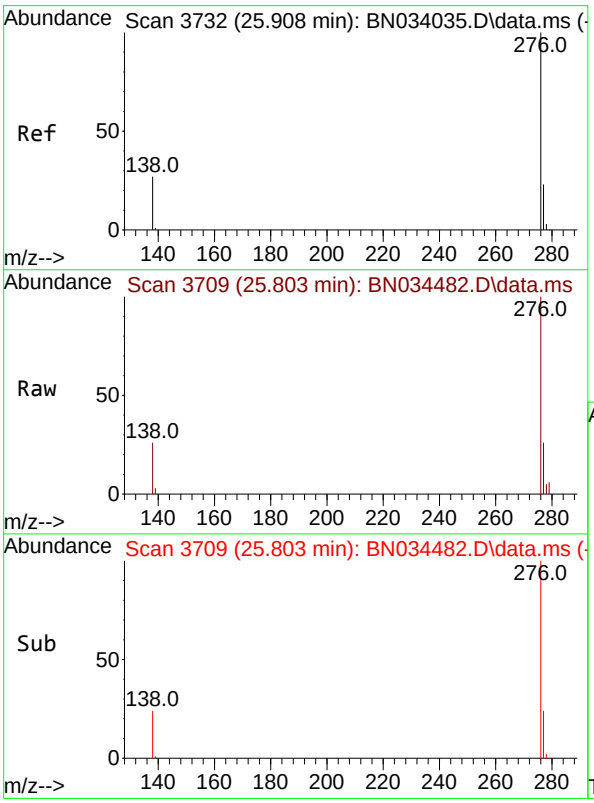
#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.204 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 12746

Ion	Ratio	Lower	Upper
278	100		
139	21.7	17.8	26.8
279	29.5	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 0.405 ng
RT: 25.803 min Scan# 3709
Delta R.T. -0.014 min
Lab File: BN034482.D
Acq: 09 Oct 2024 00:08

Tgt Ion:276 Resp: 15553

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.3	28.9
138	26.5	22.6	34.0