Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
Data File : BN034467.D
Acq On : 08 Oct 2024 12:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 08 12:58:13 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

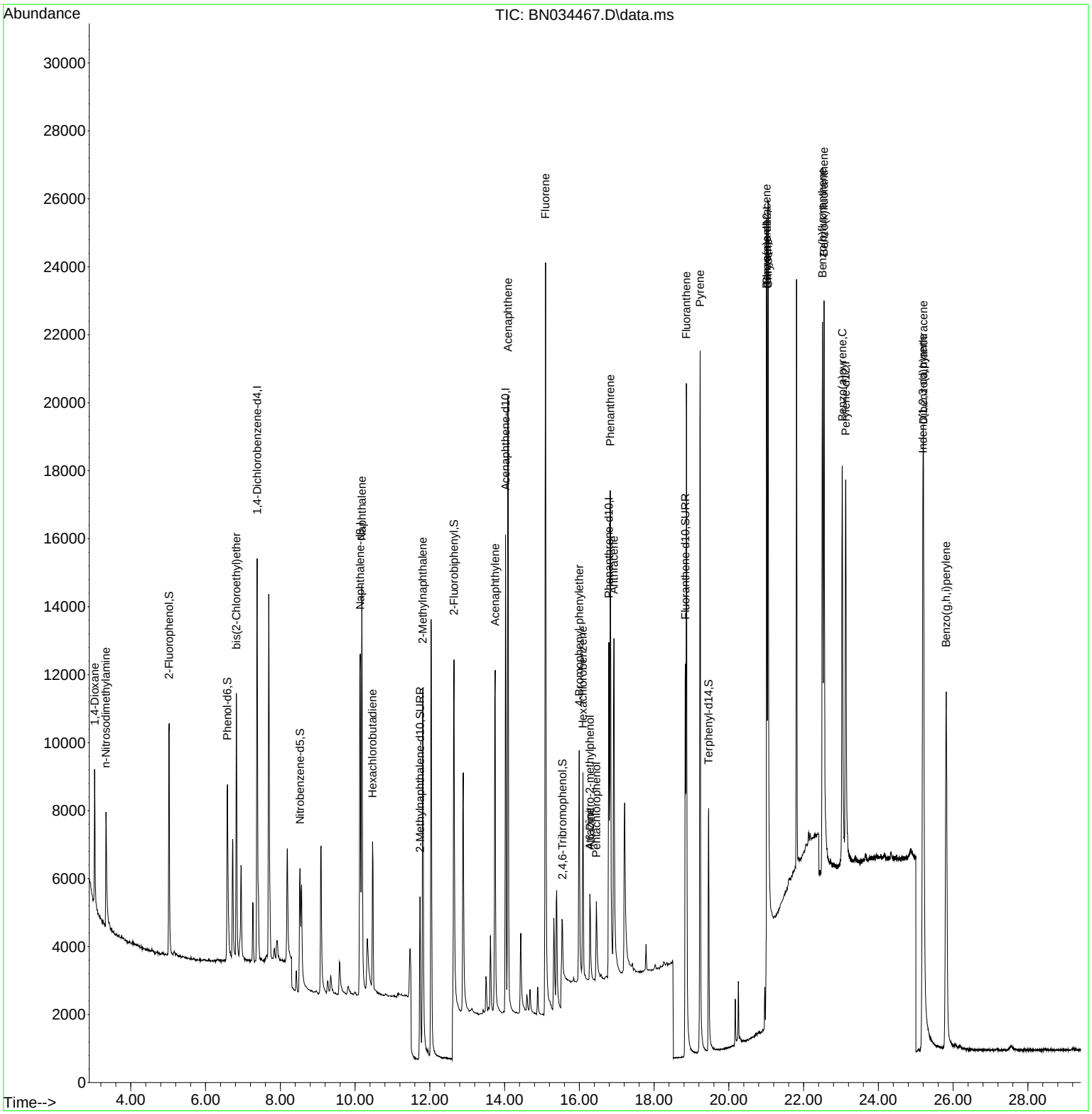
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.380	152	5819	0.400	ng		-0.01
7) Naphthalene-d8	10.137	136	15914	0.400	ng		#-0.01
13) Acenaphthene-d10	14.026	164	8366	0.400	ng		-0.02
19) Phenanthrene-d10	16.790	188	15689	0.400	ng		-0.01
29) Chrysene-d12	21.015	240	13506	0.400	ng		0.00
35) Perylene-d12	23.125	264	14806	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.025	112	5911	0.358	ng		0.00
5) Phenol-d6	6.585	99	6105	0.318	ng		-0.01
8) Nitrobenzene-d5	8.525	82	3975	0.327	ng		-0.01
11) 2-Methylnaphthalene-d10	11.738	152	8240	0.351	ng		-0.02
14) 2,4,6-Tribromophenol	15.549	330	1372	0.362	ng		0.00
15) 2-Fluorobiphenyl	12.647	172	11474	0.337	ng		-0.01
27) Fluoranthene-d10	18.836	212	14587	0.369	ng		0.00
31) Terphenyl-d14	19.459	244	8906	0.330	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.032	88	2753	0.378	ng		93
3) n-Nitrosodimethylamine	3.335	42	2325	0.281	ng	#	83
6) bis(2-Chloroethyl)ether	6.824	93	5645	0.332	ng		94
9) Naphthalene	10.180	128	16288	0.373	ng		99
10) Hexachlorobutadiene	10.468	225	3680	0.447	ng	#	100
12) 2-Methylnaphthalene	11.810	142	9936	0.350	ng		99
16) Acenaphthylene	13.748	152	12682	0.354	ng		99
17) Acenaphthene	14.090	154	9306	0.362	ng		98
18) Fluorene	15.095	166	10999	0.326	ng		99
20) 4,6-Dinitro-2-methylph...	16.281	198	89	0.168	ng	#	1
21) 4-Bromophenyl-phenylether	15.996	248	3372	0.382	ng	#	90
22) Hexachlorobenzene	16.095	284	4763	0.482	ng	#	89
23) Atrazine	16.281	200	2511	0.344	ng	#	93
24) Pentachlorophenol	16.455	266	1641	0.502	ng		99
25) Phenanthrene	16.828	178	16211	0.360	ng		100
26) Anthracene	16.927	178	13423	0.365	ng		99
28) Fluoranthene	18.864	202	19531	0.374	ng		98
30) Pyrene	19.231	202	20521	0.360	ng		100
32) Benzo(a)anthracene	21.006	228	5454	0.128	ng		98
33) Chrysene	21.050	228	19110	0.375	ng		99
36) Indeno(1,2,3-cd)pyrene	25.189	276	23575	0.372	ng		95
37) Benzo(b)fluoranthene	22.505	252	20191	0.348	ng		97
38) Benzo(k)fluoranthene	22.546	252	22130	0.363	ng		96
39) Benzo(a)pyrene	23.035	252	17466	0.369	ng		98
40) Dibenzo(a,h)anthracene	25.207	278	18284	0.371	ng		97
41) Benzo(g,h,i)perylene	25.815	276	21172	0.382	ng		96

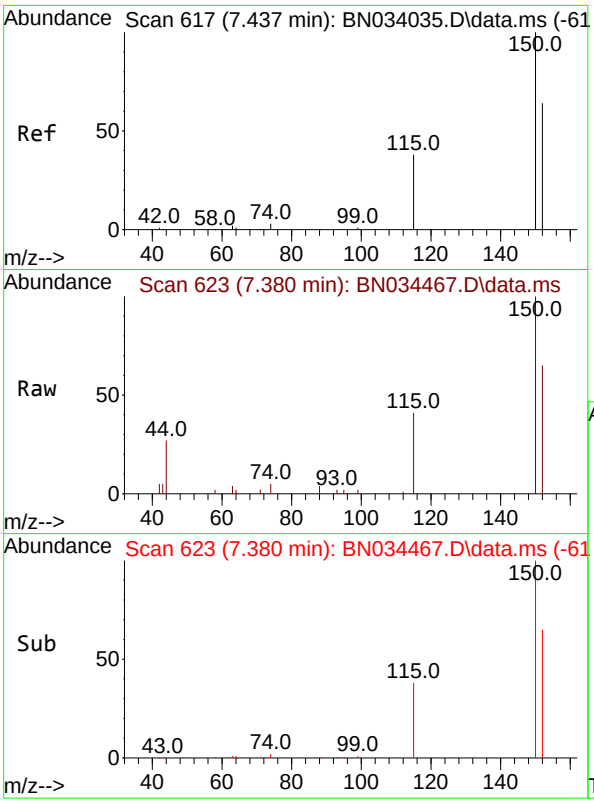
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
Data File : BN034467.D
Acq On : 08 Oct 2024 12:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 08 12:58:13 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



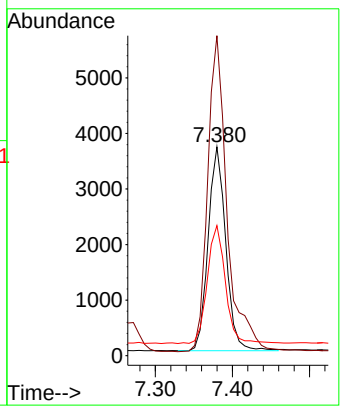


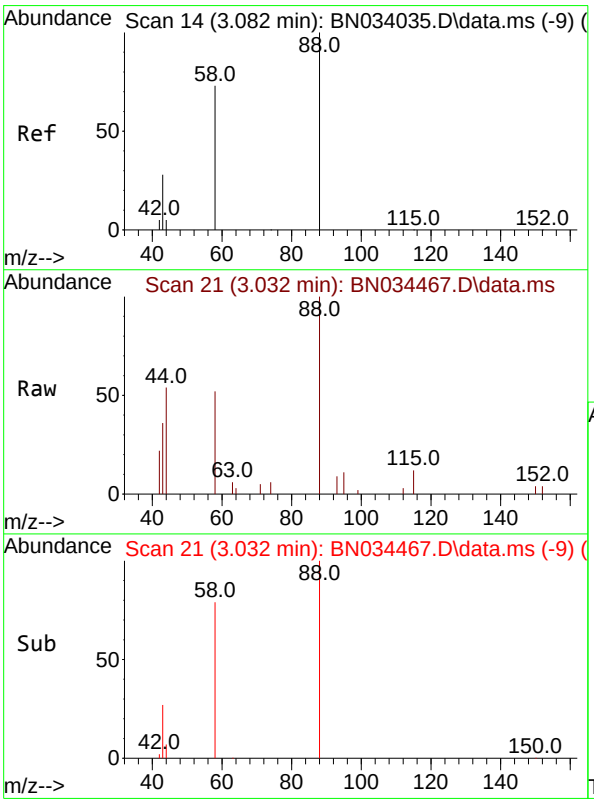
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.380 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5819

Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	187.0
115	62.3	50.0	75.0

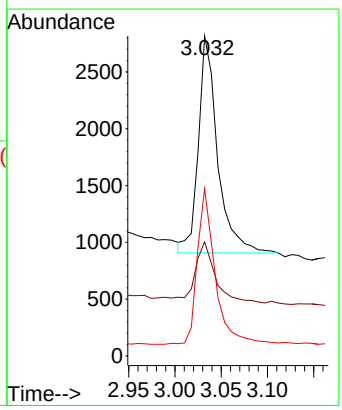


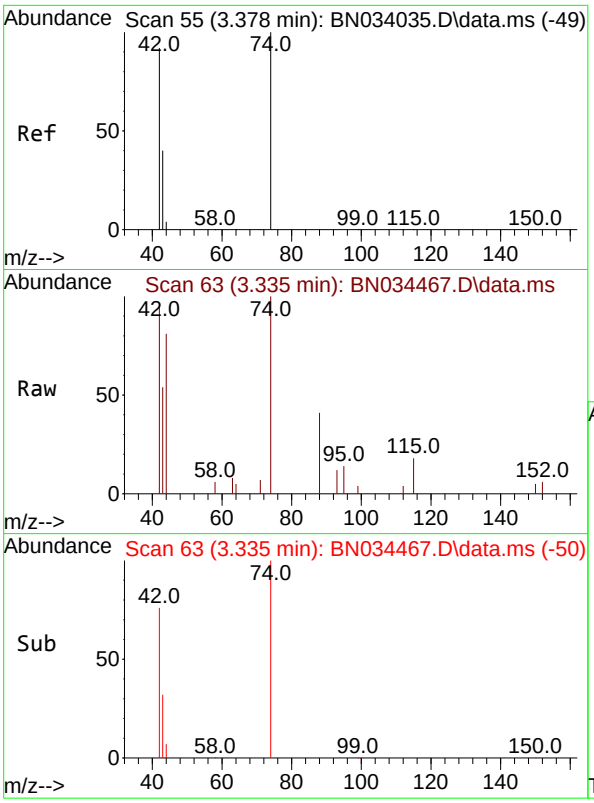


#2
1,4-Dioxane
Concen: 0.378 ng
RT: 3.032 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion: 88 Resp: 2753

Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.8	38.8
58	66.9	58.8	88.2



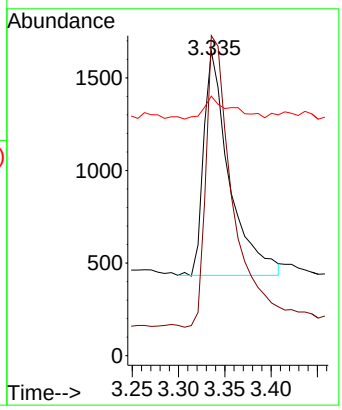


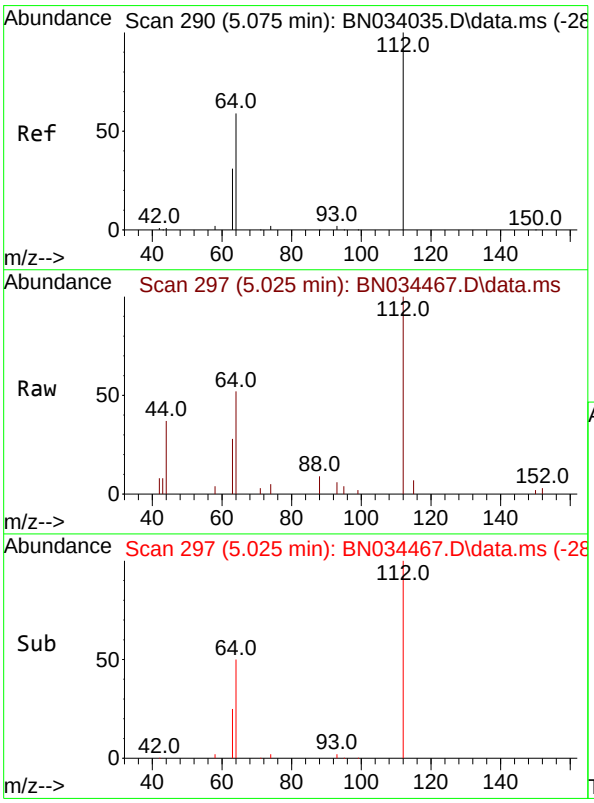
#3
n-Nitrosodimethylamine
Concen: 0.281 ng
RT: 3.335 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2325

Ion	Ratio	Lower	Upper
42	100		
74	137.3	94.6	142.0
44	10.5	12.4	18.6#

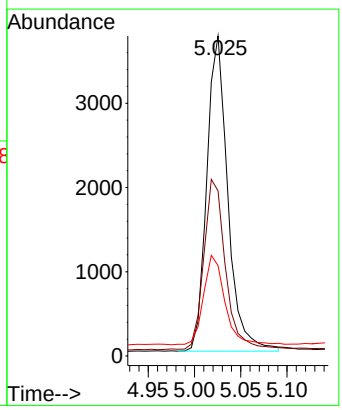


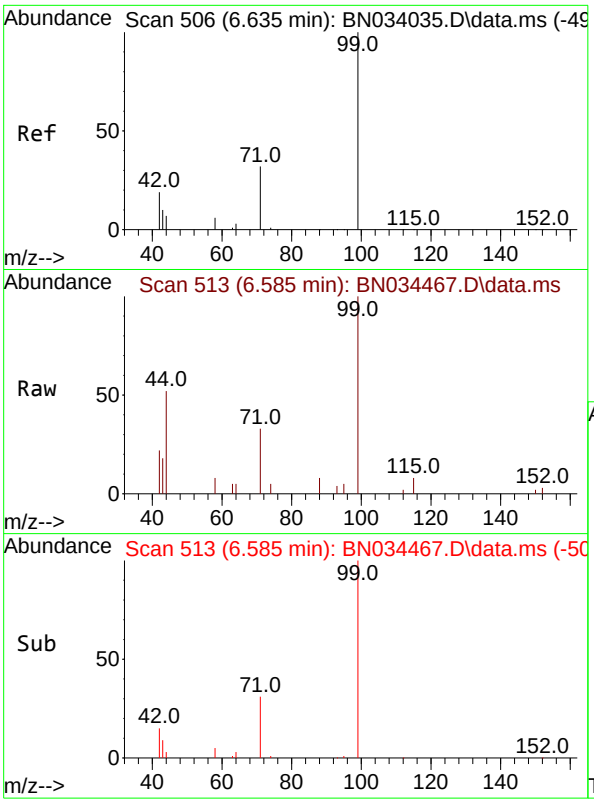


#4
2-Fluorophenol
Concen: 0.358 ng
RT: 5.025 min Scan# 297
Delta R.T. -0.007 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:112 Resp: 5911

Ion	Ratio	Lower	Upper
112	100		
64	55.7	48.6	72.8
63	28.6	25.6	38.4



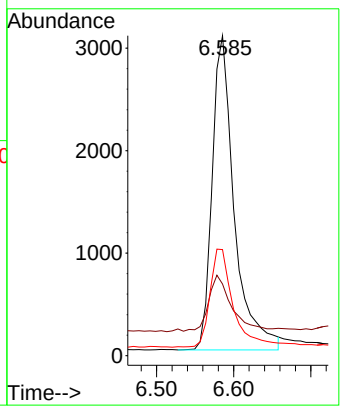


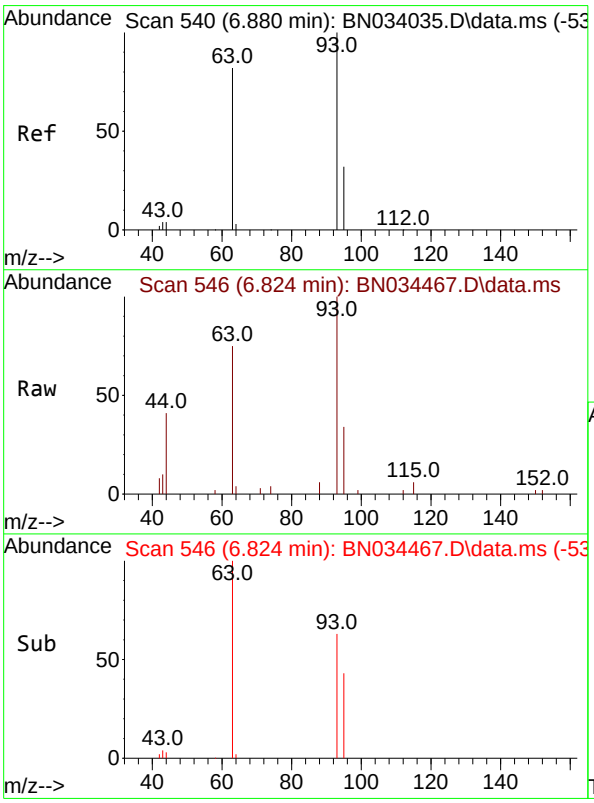
#5
Phenol-d6
Concen: 0.318 ng
RT: 6.585 min Scan# 5
Delta R.T. -0.014 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 6105

Ion	Ratio	Lower	Upper
99	100		
42	18.4	17.8	26.8
71	32.8	26.2	39.2

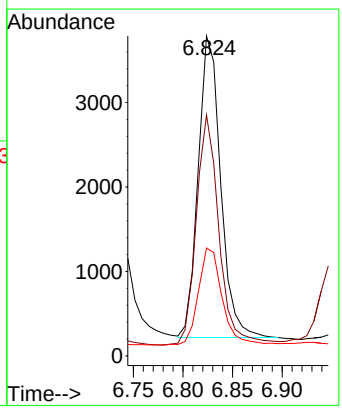


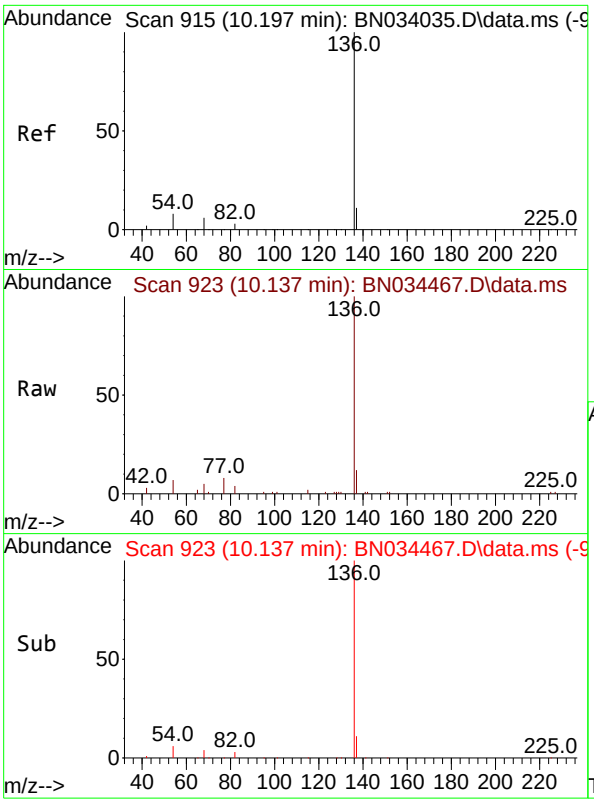


#6
bis(2-Chloroethyl)ether
Concen: 0.332 ng
RT: 6.824 min Scan# 546
Delta R.T. -0.014 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion: 93 Resp: 5645

Ion	Ratio	Lower	Upper
93	100		
63	77.1	67.3	100.9
95	34.4	26.8	40.2



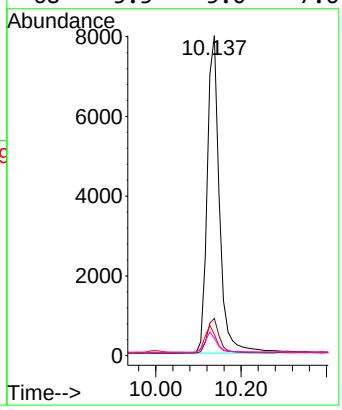


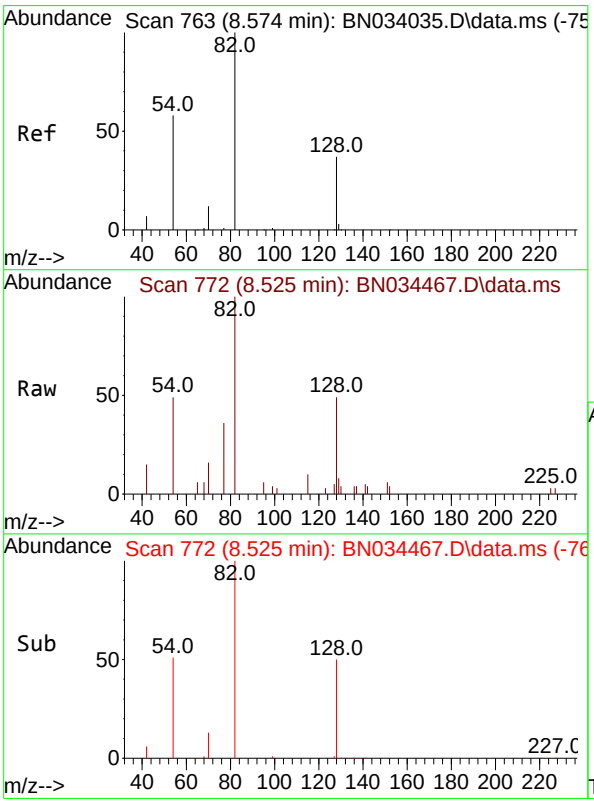
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.137 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 15914

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	6.6	6.8	10.2#
68	5.5	5.0	7.6

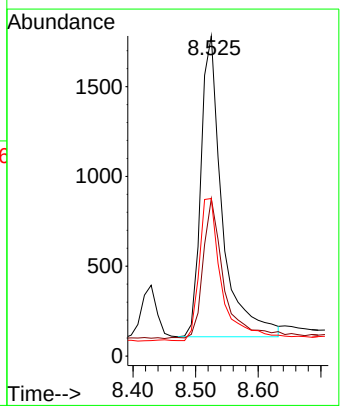


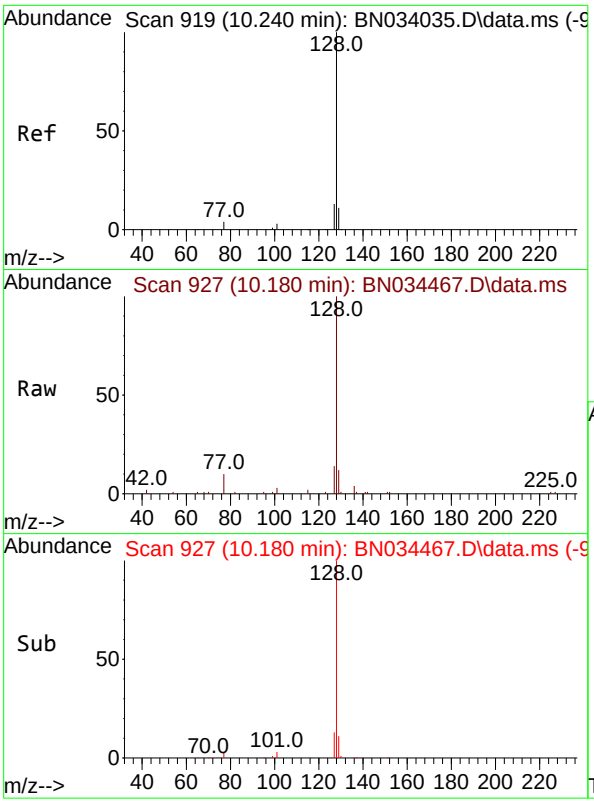


#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 8.525 min Scan# 772
Delta R.T. -0.011 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion: 82 Resp: 3975

Ion	Ratio	Lower	Upper
82	100		
128	49.2	31.4	47.2#
54	49.2	47.4	71.0



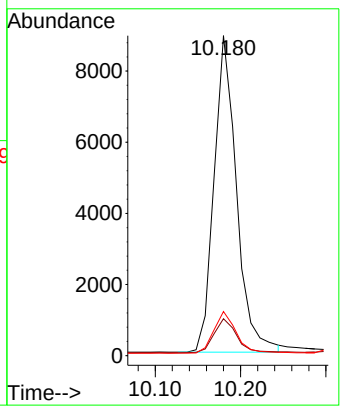


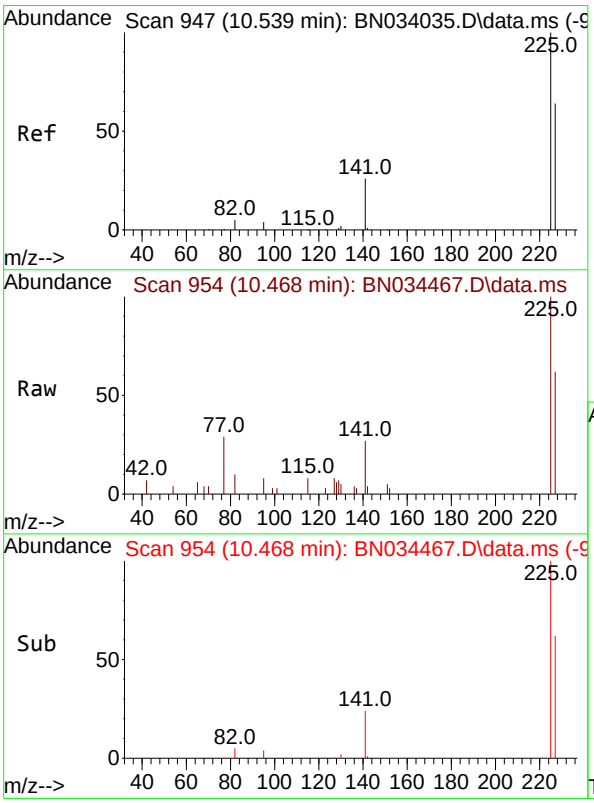
#9
Naphthalene
Concen: 0.373 ng
RT: 10.180 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16288

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.8	10.7	16.1

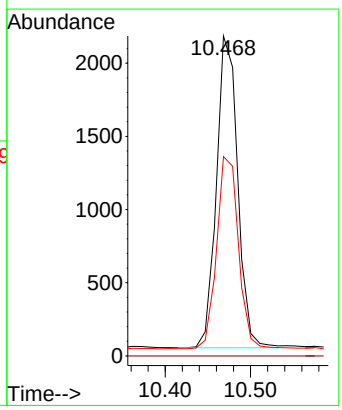


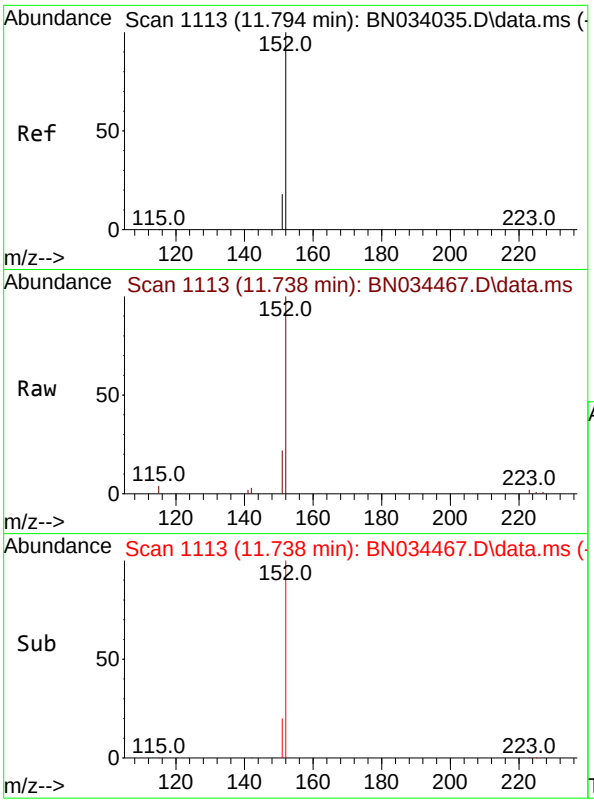


#10
Hexachlorobutadiene
Concen: 0.447 ng
RT: 10.468 min Scan# 954
Delta R.T. -0.021 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:225 Resp: 3680

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.5	75.7



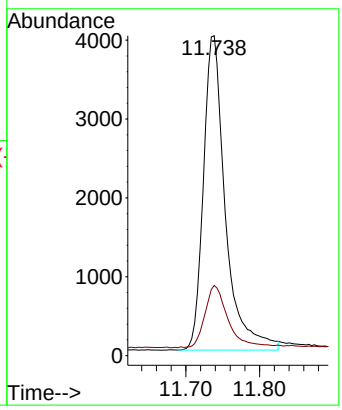


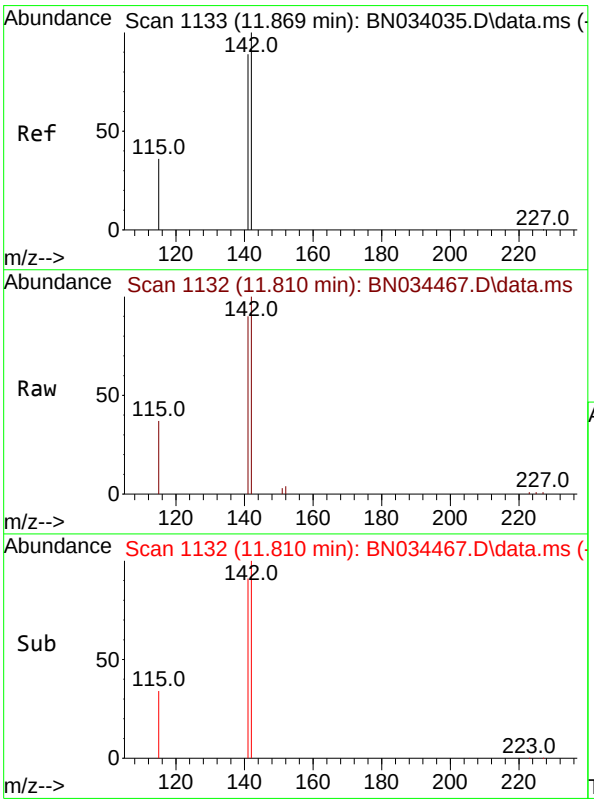
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 11.738 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8240

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2

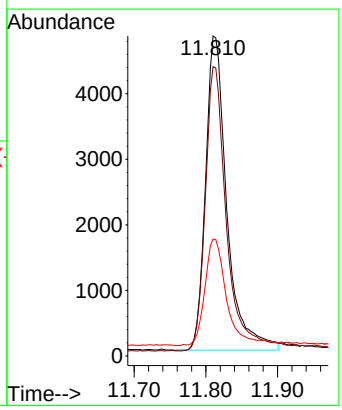


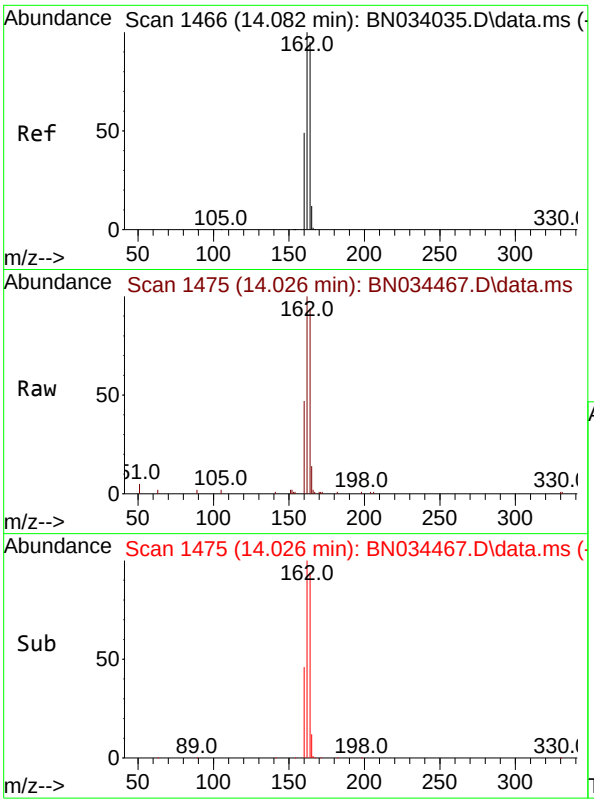


#12
2-Methylnaphthalene
Concen: 0.350 ng
RT: 11.810 min Scan# 1132
Delta R.T. -0.019 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:142 Resp: 9936

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.6	107.4
115	36.5	30.0	45.0



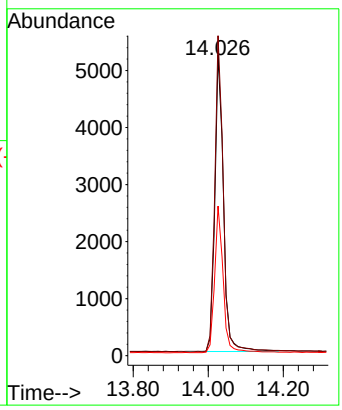


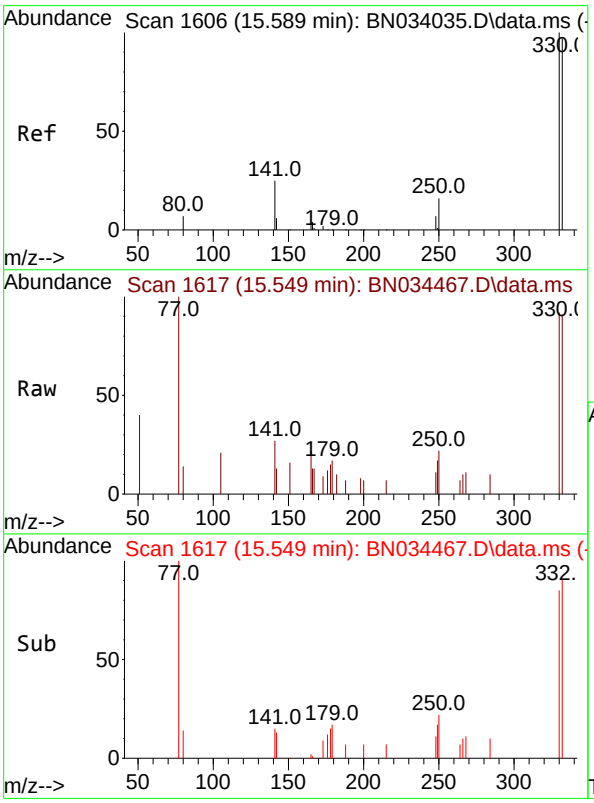
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.026 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8366

Ion	Ratio	Lower	Upper
164	100		
162	106.5	84.2	126.2
160	49.8	41.7	62.5

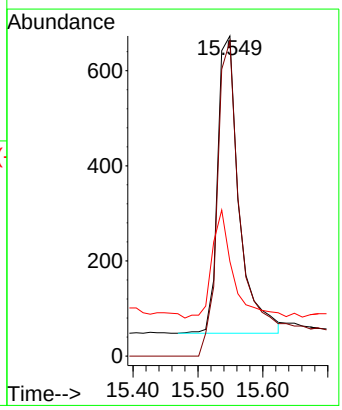


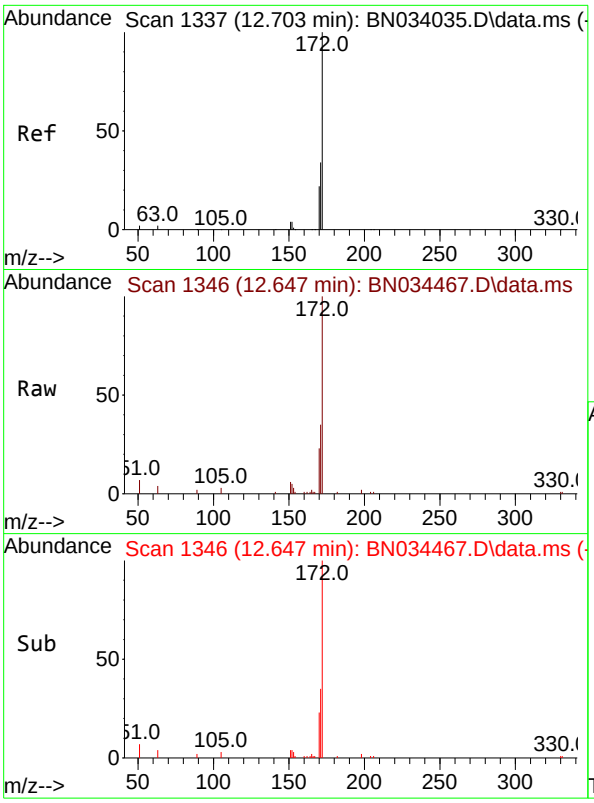


#14
2,4,6-Tribromophenol
Concen: 0.362 ng
RT: 15.549 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:330 Resp: 1372

Ion	Ratio	Lower	Upper
330	100		
332	122.6	77.4	116.0#
141	35.9	35.9	53.9#



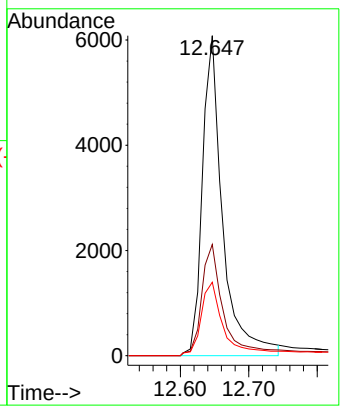


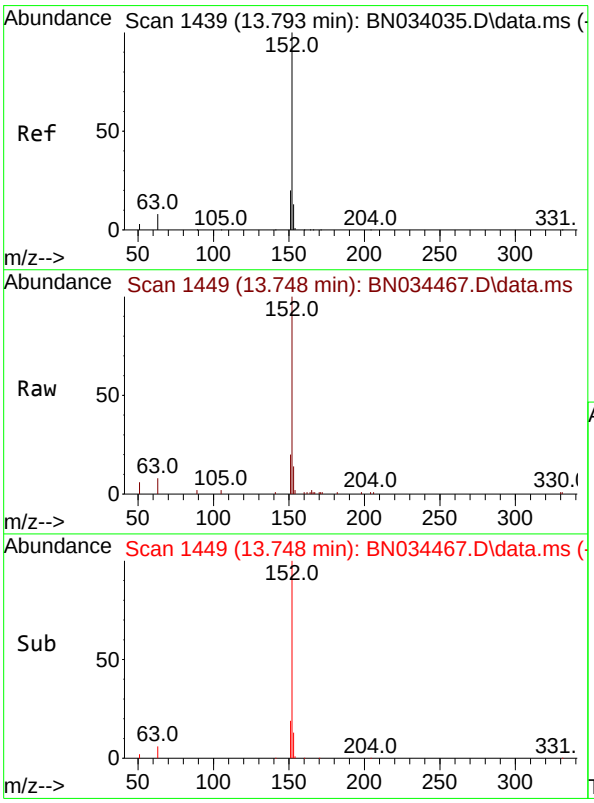
#15
2-Fluorobiphenyl
Concen: 0.337 ng
RT: 12.647 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 11474

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.3	40.9
170	22.9	18.1	27.1

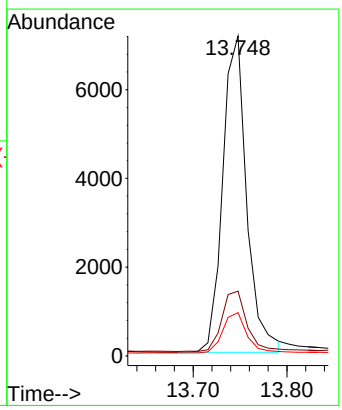


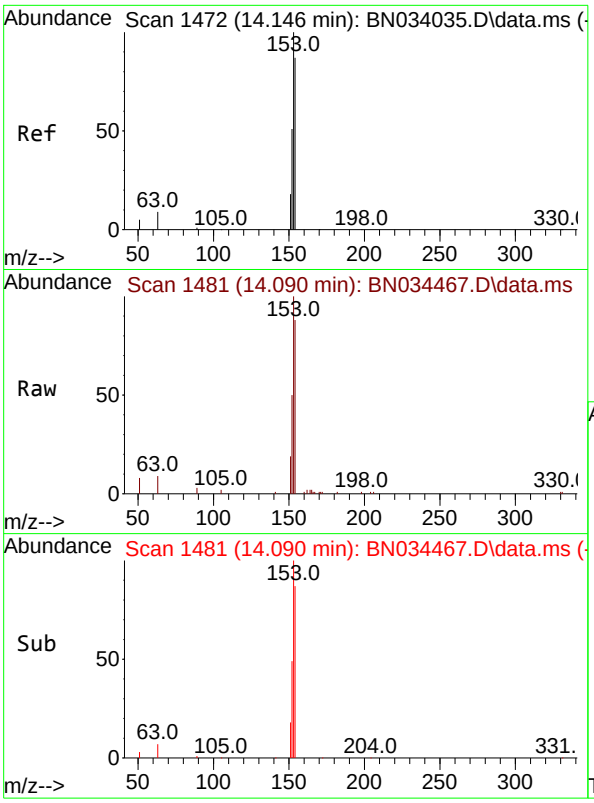


#16
Acenaphthylene
Concen: 0.354 ng
RT: 13.748 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:152 Resp: 12682

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	12.8	10.3	15.5



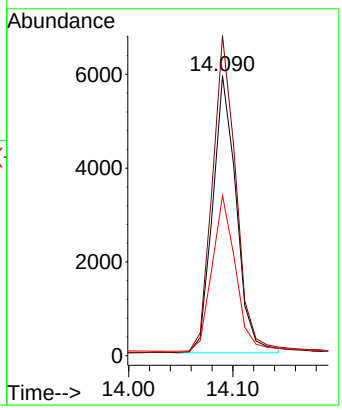


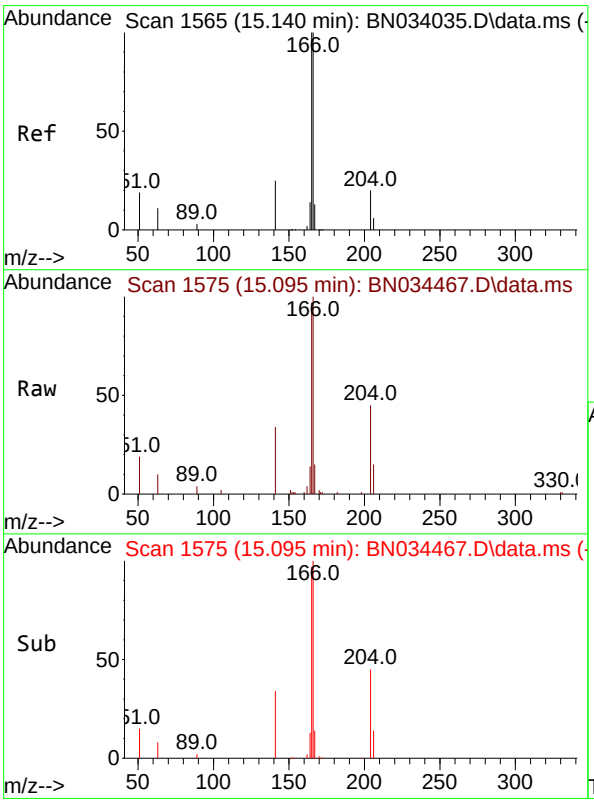
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.090 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9306

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.6	137.4
152	56.0	47.4	71.2

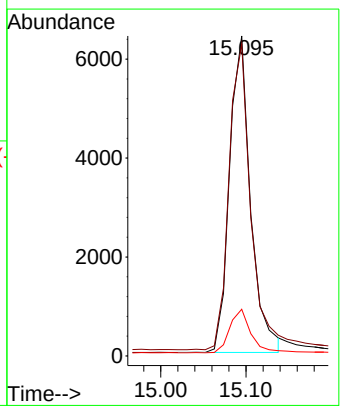


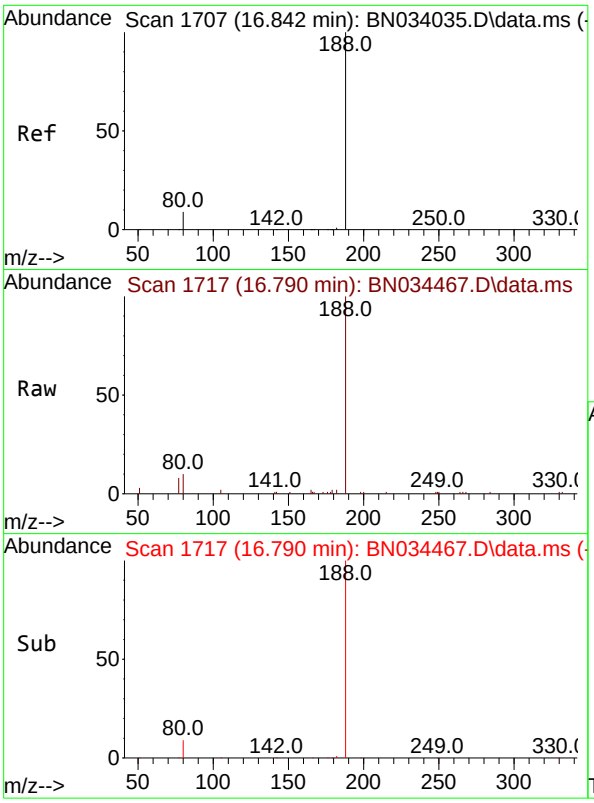


#18
Fluorene
Concen: 0.326 ng
RT: 15.095 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:166 Resp: 10999

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.1	118.7
167	13.6	10.6	15.8



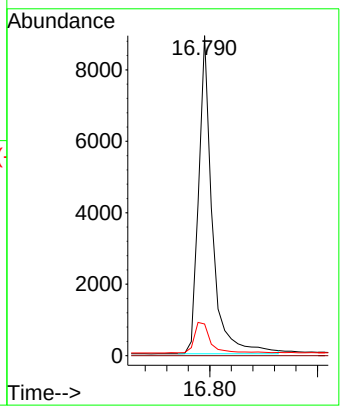


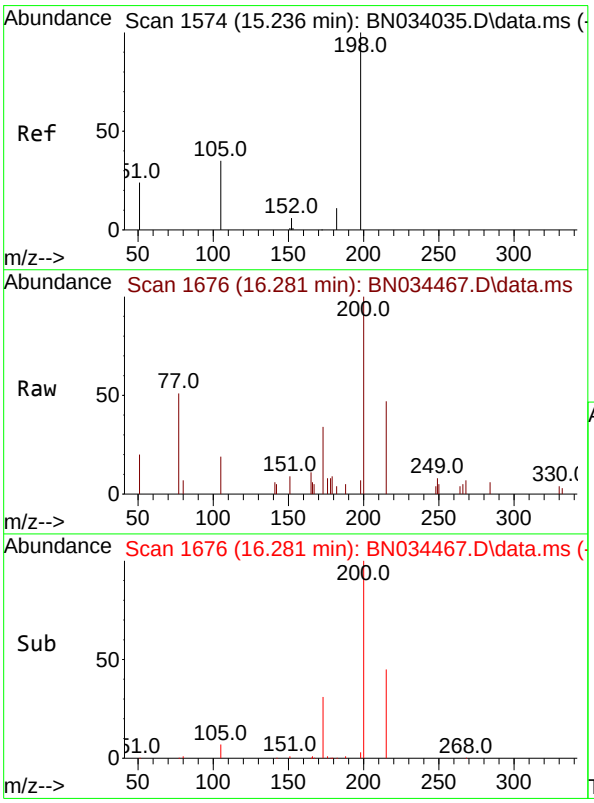
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.790 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 15689

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.4	11.0

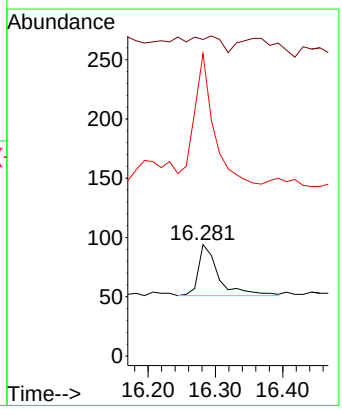


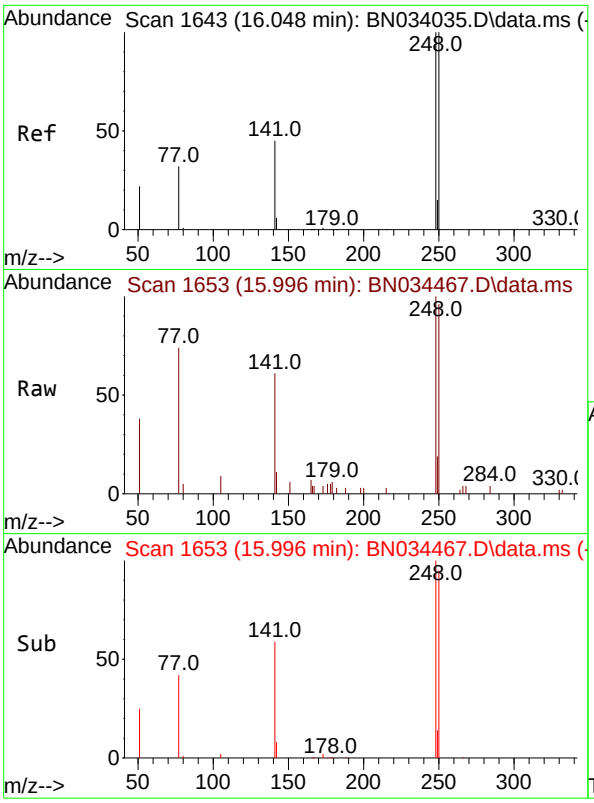


#20
4,6-Dinitro-2-methylphenol
Concen: 0.168 ng
RT: 16.281 min Scan# 1676
Delta R.T. -0.025 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:198 Resp: 89

Ion	Ratio	Lower	Upper
198	100		
51	284.0	106.4	159.6#
105	271.3	38.5	57.7#



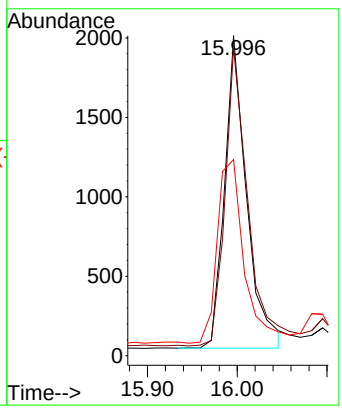


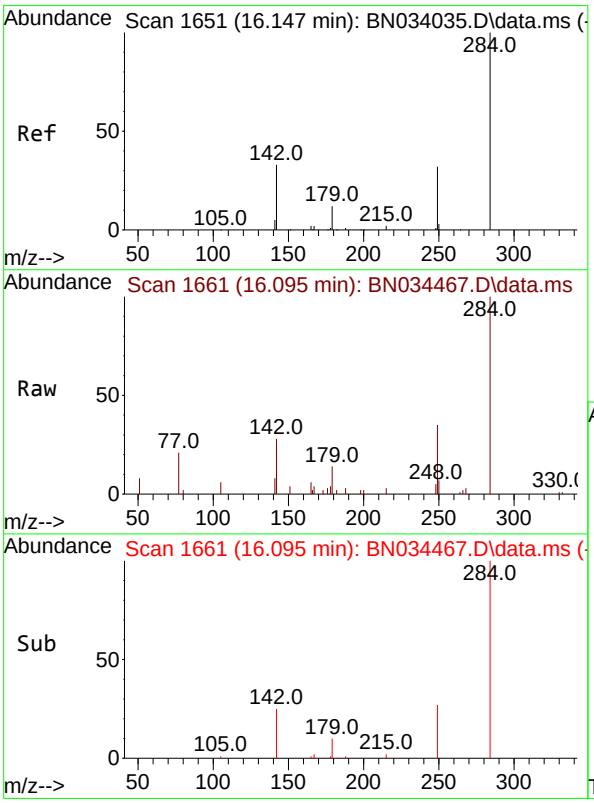
#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 15.996 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3372

Ion	Ratio	Lower	Upper
248	100		
250	96.3	80.5	120.7
141	61.3	37.1	55.7#

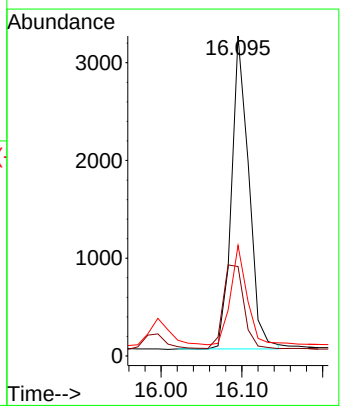


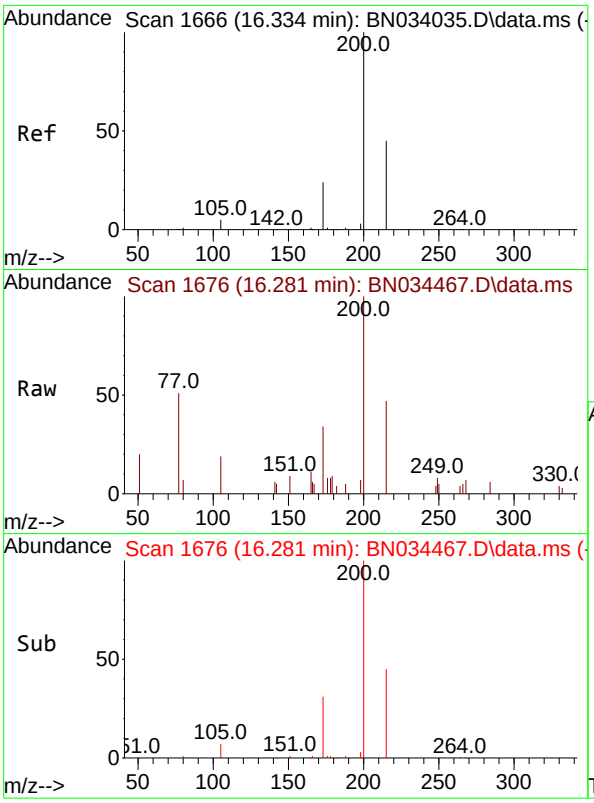


#22
Hexachlorobenzene
Concen: 0.482 ng
RT: 16.095 min Scan# 1661
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:284 Resp: 4763

Ion	Ratio	Lower	Upper
284	100		
142	32.1	34.5	51.7#
249	30.2	25.8	38.6



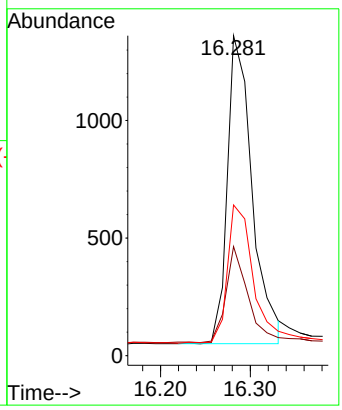


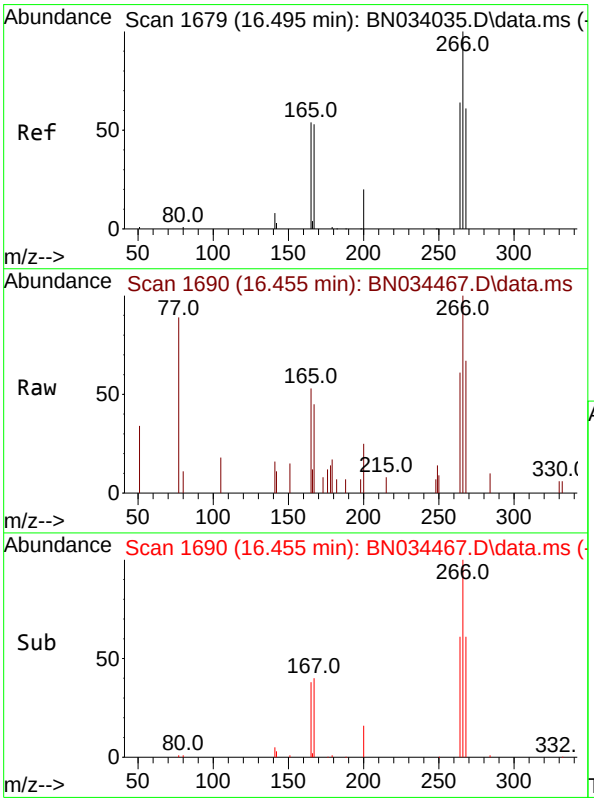
#23
Atrazine
Concen: 0.344 ng
RT: 16.281 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2511

Ion	Ratio	Lower	Upper
200	100		
173	34.1	20.1	30.1#
215	47.1	37.0	55.6

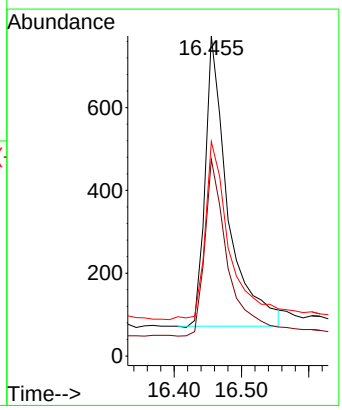


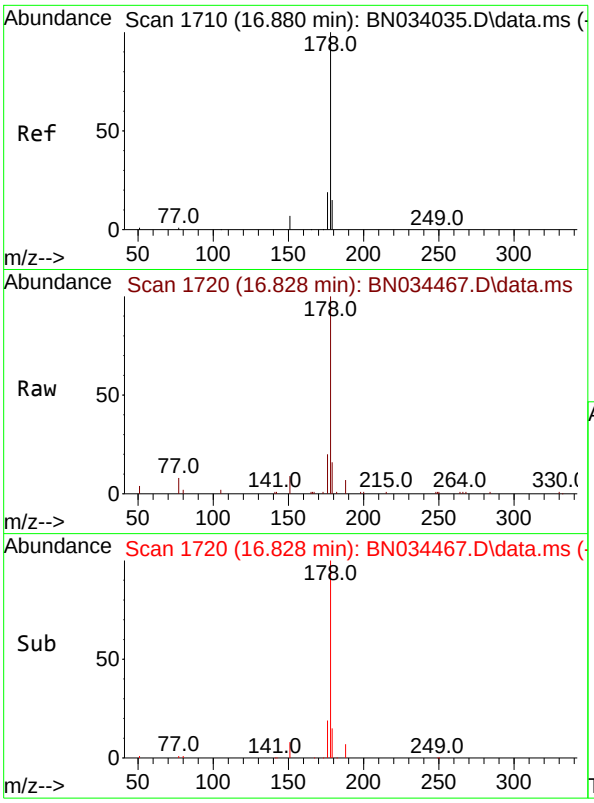


#24
Pentachlorophenol
Concen: 0.502 ng
RT: 16.455 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:266 Resp: 1641

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.2	75.2
268	65.3	51.0	76.4



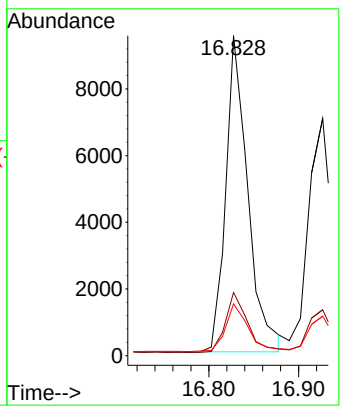


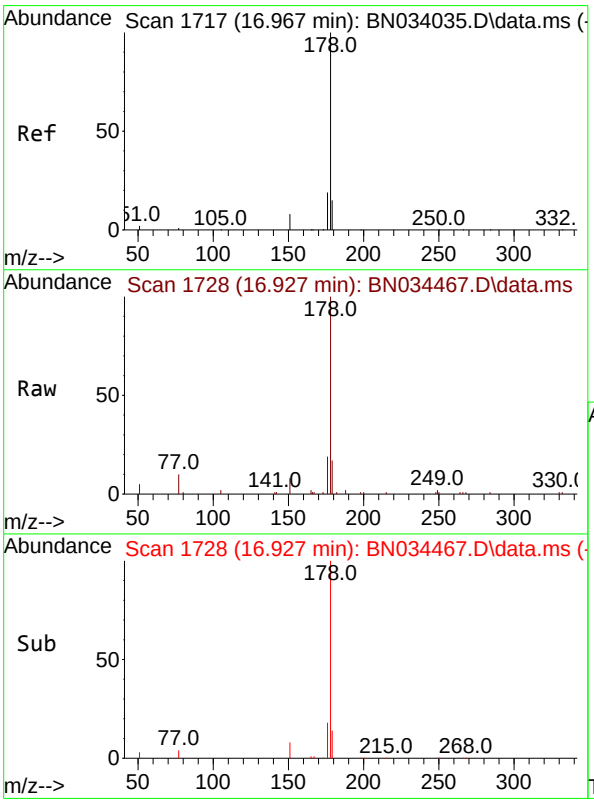
#25
Phenanthrene
Concen: 0.360 ng
RT: 16.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 16211

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.1	18.1

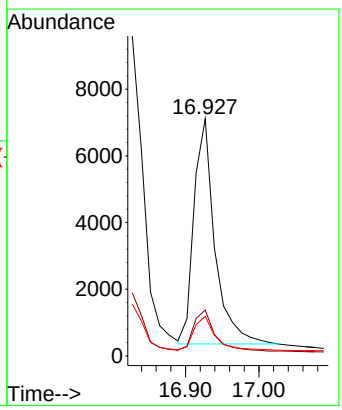


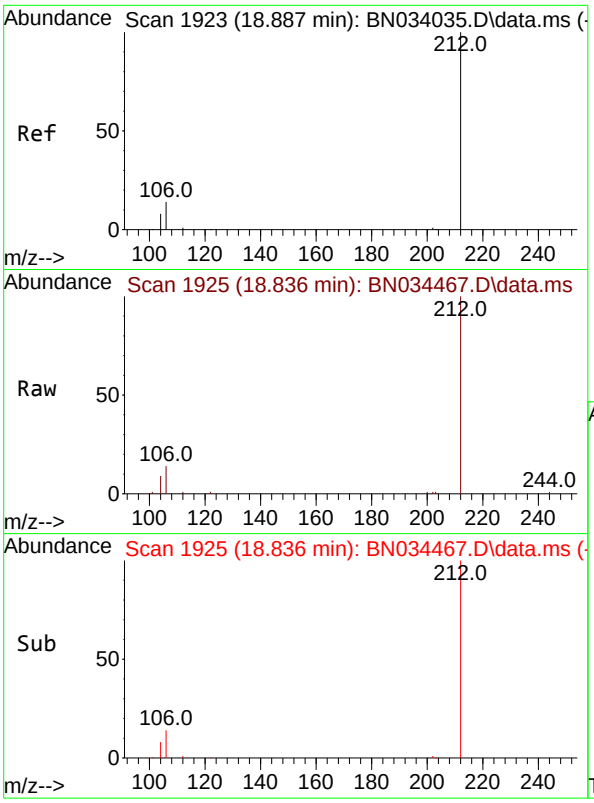


#26
Anthracene
Concen: 0.365 ng
RT: 16.927 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:178 Resp: 13423

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.1	12.2	18.4



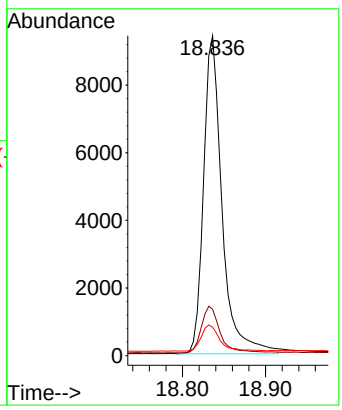


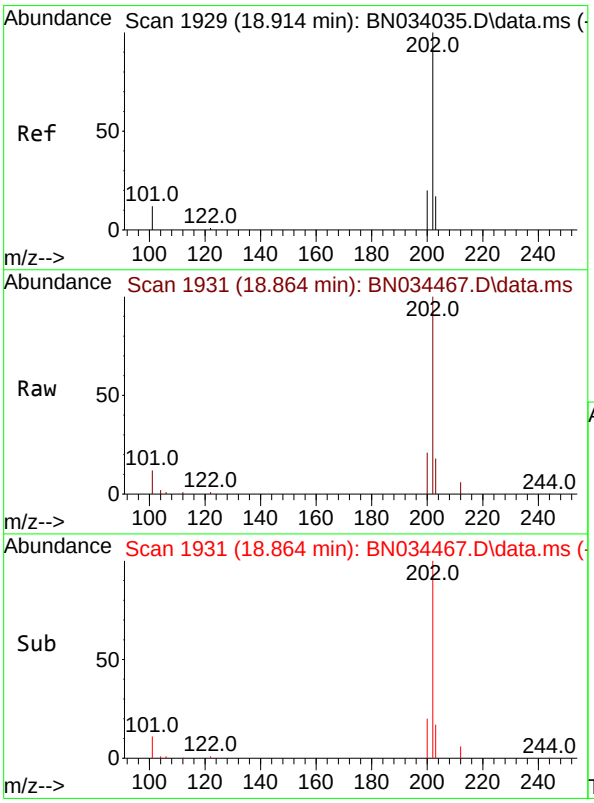
#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 18.836 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 14587

Ion	Ratio	Lower	Upper
212	100		
106	14.9	13.4	20.2
104	8.2	7.8	11.6

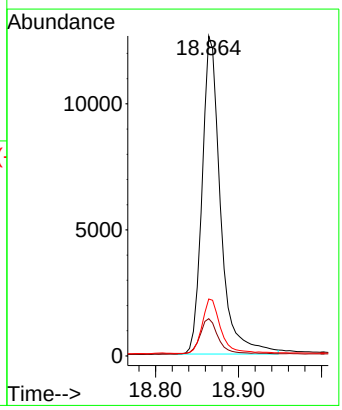


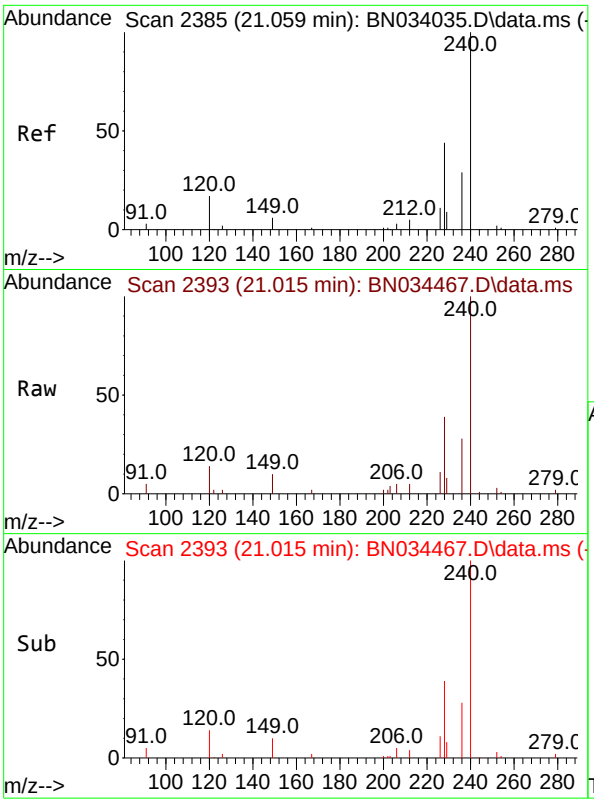


#28
Fluoranthene
Concen: 0.374 ng
RT: 18.864 min Scan# 1931
Delta R.T. -0.014 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:202 Resp: 19531

Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.1	15.1
203	17.2	13.6	20.4



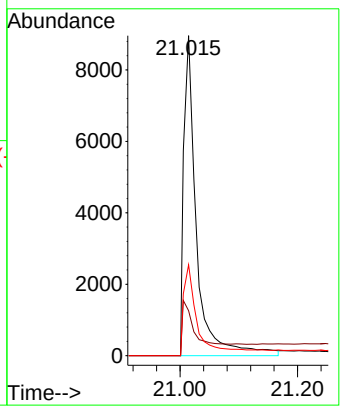


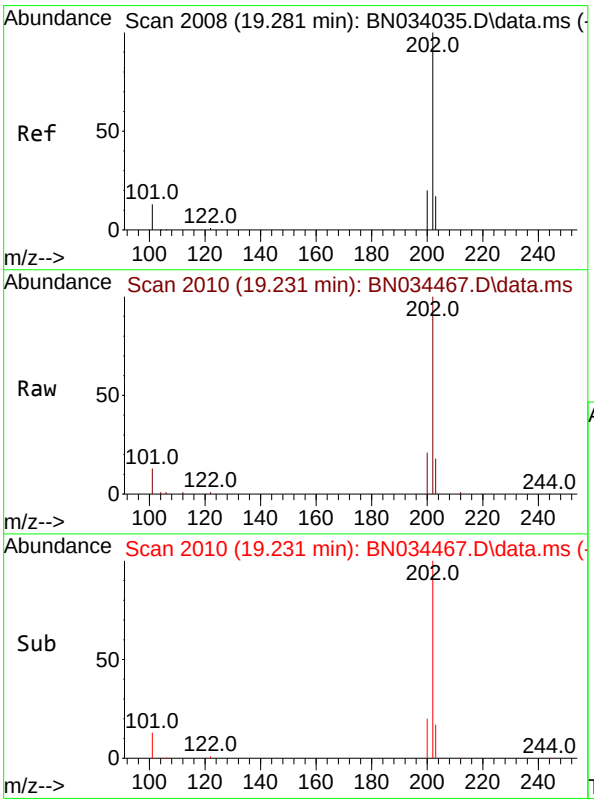
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 13506

Ion	Ratio	Lower	Upper
240	100		
120	14.1	13.5	20.3
236	28.4	23.4	35.0

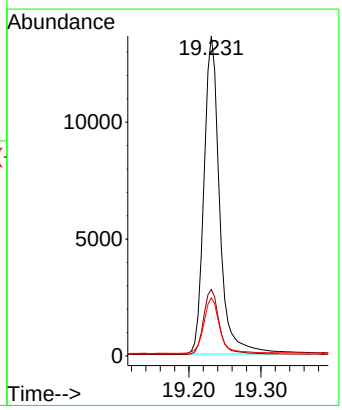


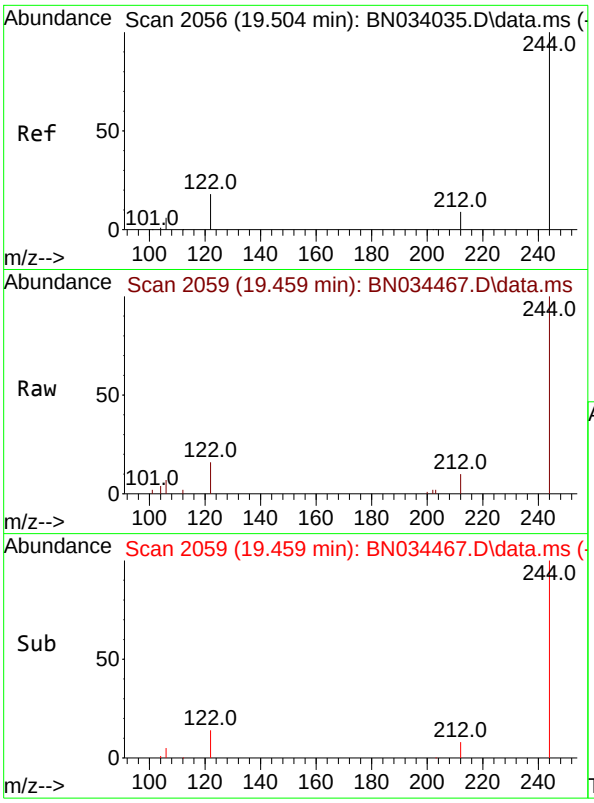


#30
Pyrene
Concen: 0.360 ng
RT: 19.231 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:202 Resp: 20521

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.9	14.3	21.5



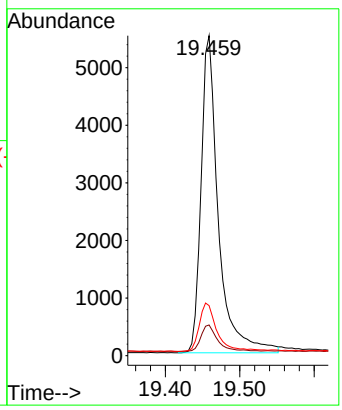


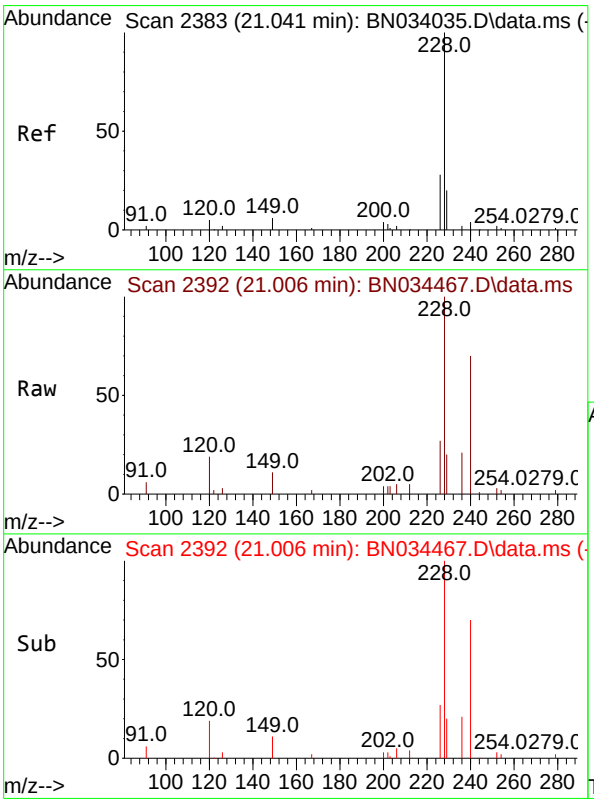
#31
Terphenyl-d14
Concen: 0.330 ng
RT: 19.459 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8906

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.8	11.6
122	15.6	14.8	22.2

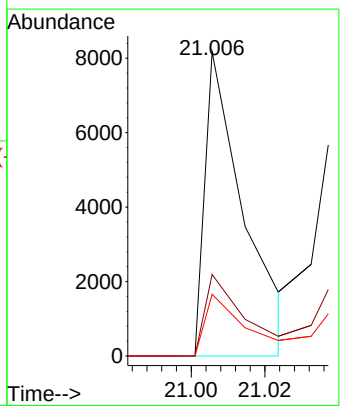


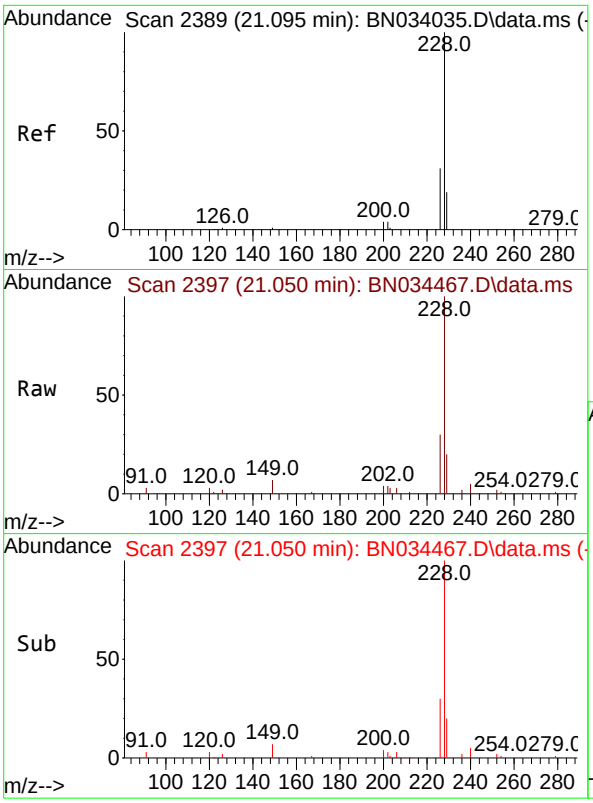


#32
Benzo(a)anthracene
Concen: 0.128 ng
RT: 21.006 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:228 Resp: 5454

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.3	33.5
229	20.3	15.7	23.5



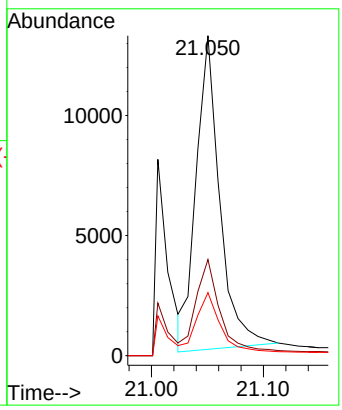


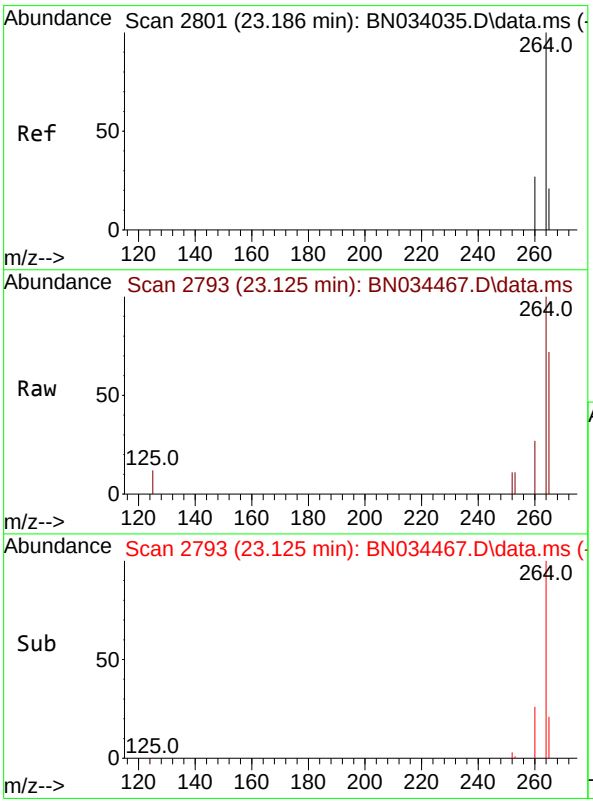
#33
Chrysene
Concen: 0.375 ng
RT: 21.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 19110

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	19.7	15.5	23.3

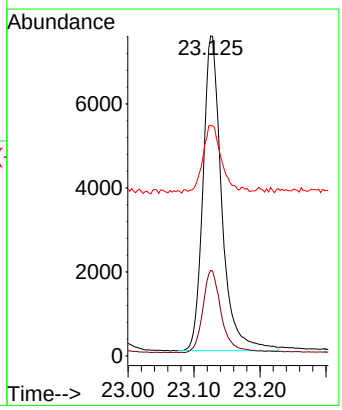


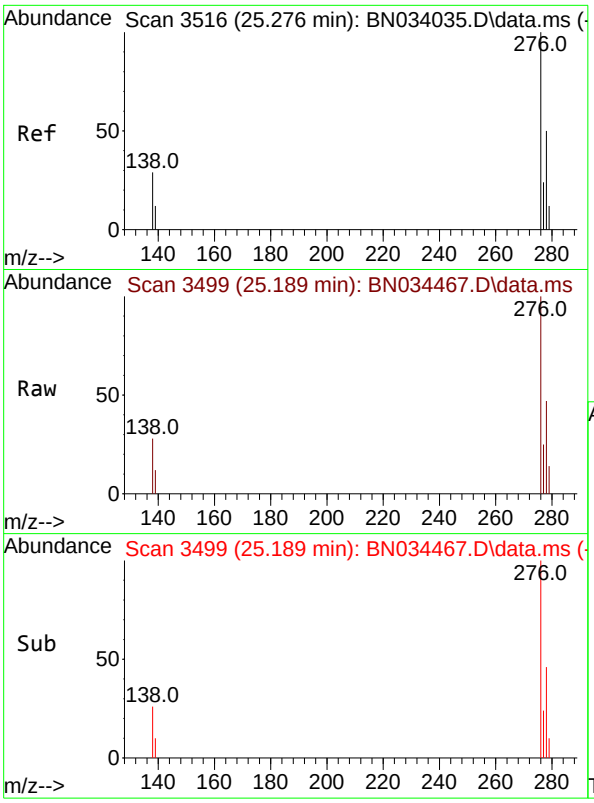


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.125 min Scan# 2793
Delta R.T. -0.003 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:264 Resp: 14806

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.7	32.5
265	72.0	52.1	78.1



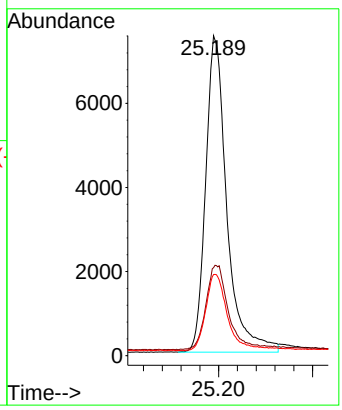


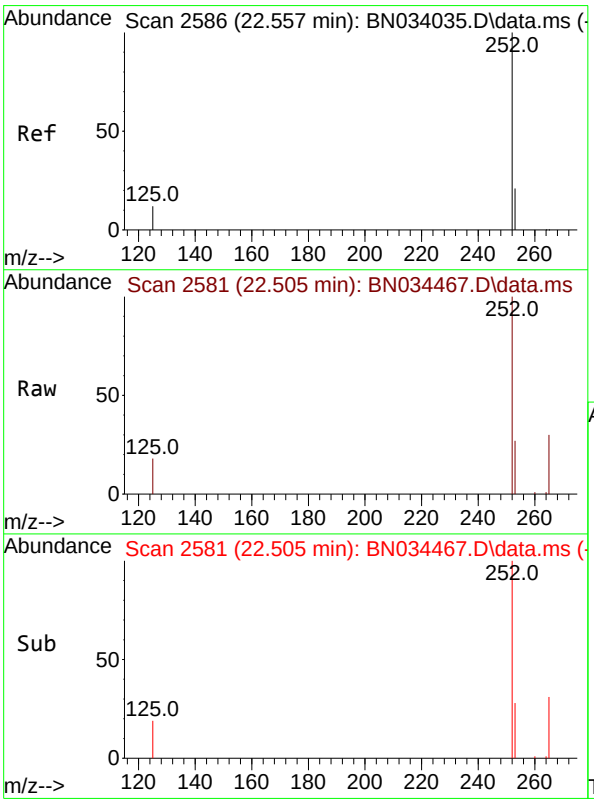
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 25.189 min Scan# 34
Delta R.T. -0.006 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 23575

Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.9	38.9
277	24.8	19.7	29.5

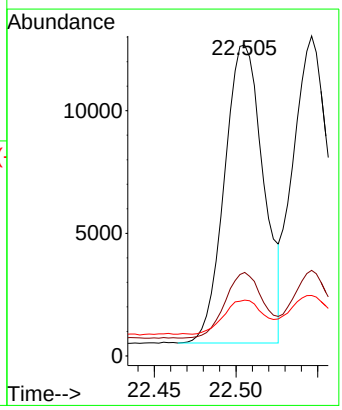


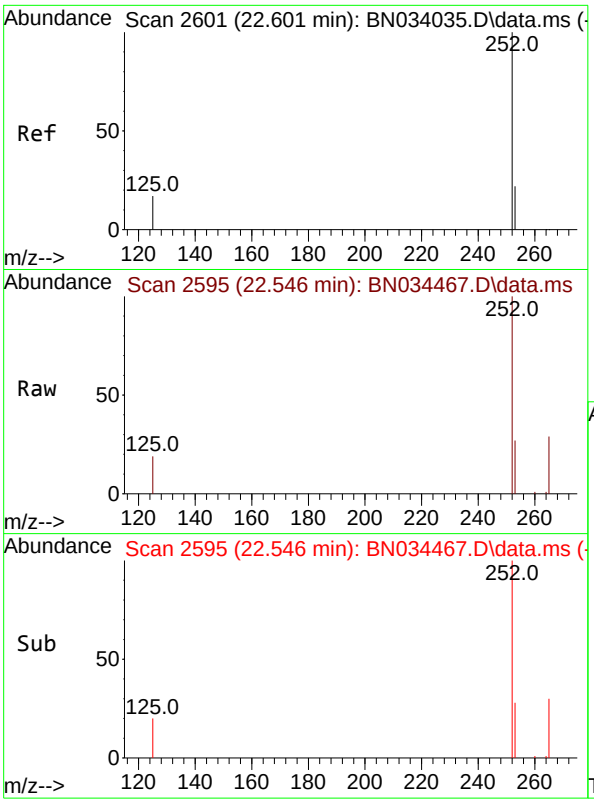


#37
Benzo(b)fluoranthene
Concen: 0.348 ng
RT: 22.505 min Scan# 2581
Delta R.T. -0.003 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:252 Resp: 20191

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.6	29.4
125	18.0	13.8	20.8



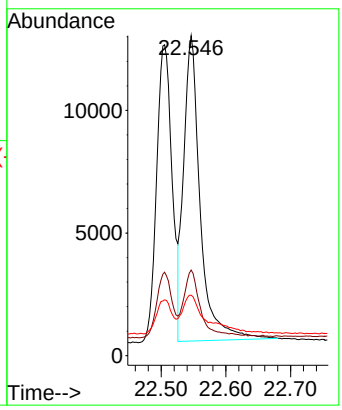


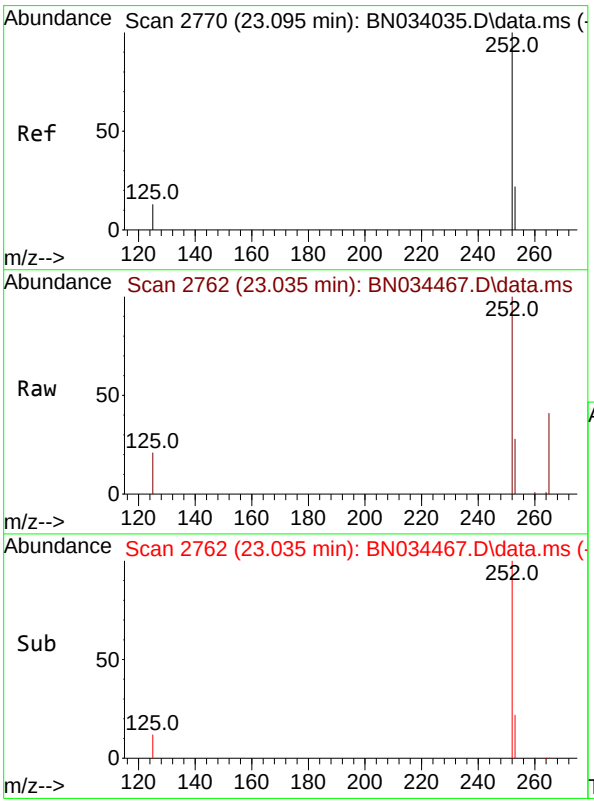
#38
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 22.546 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 22130

Ion	Ratio	Lower	Upper
252	100		
253	26.8	20.1	30.1
125	18.9	16.8	25.2

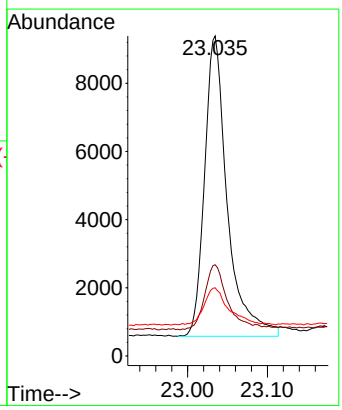


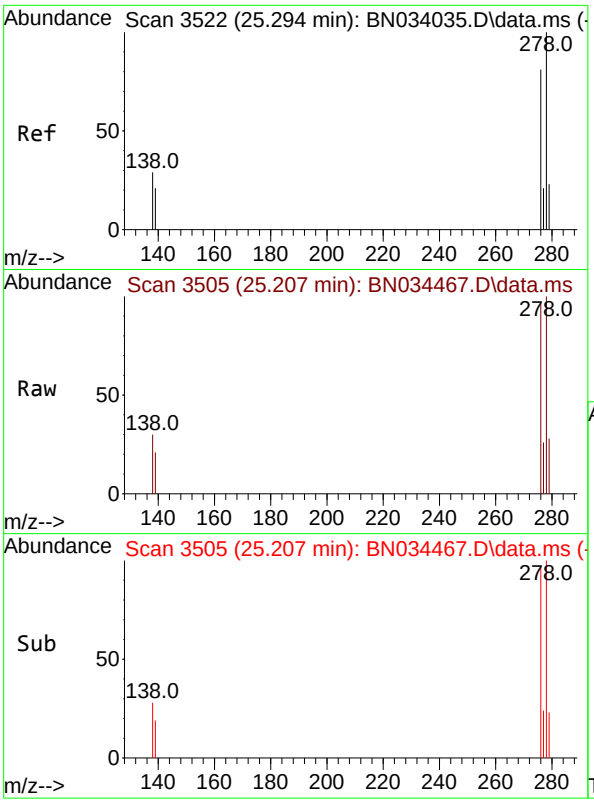


#39
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.035 min Scan# 2762
Delta R.T. -0.003 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:252 Resp: 17466

Ion	Ratio	Lower	Upper
252	100		
253	28.5	21.8	32.8
125	21.3	17.5	26.3



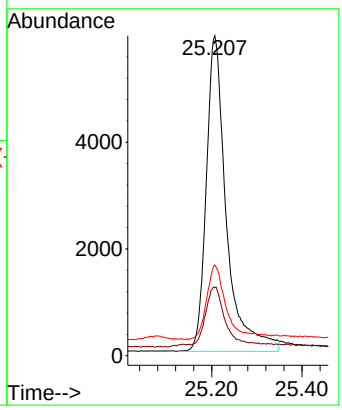


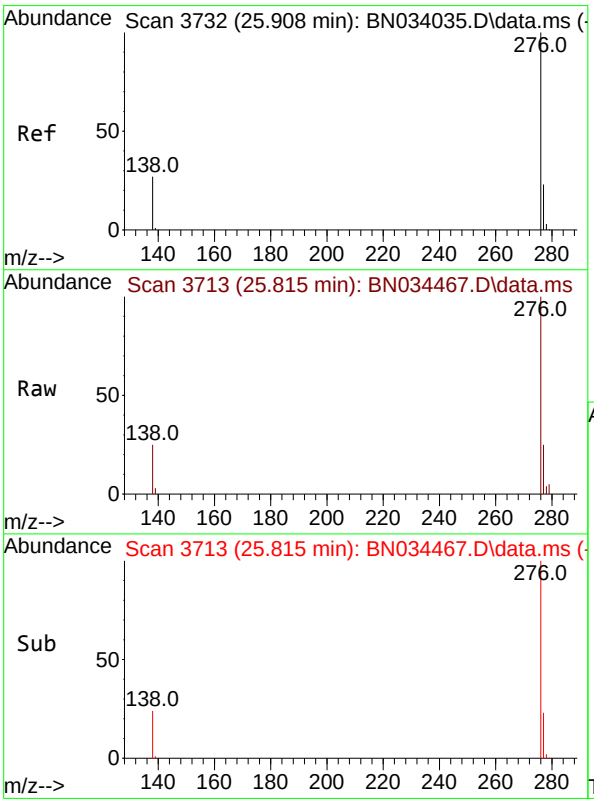
#40
Dibenzo(a,h)anthracene
Concen: 0.371 ng
RT: 25.207 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 18284

Ion	Ratio	Lower	Upper
278	100		
139	21.2	17.8	26.8
279	28.3	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 25.815 min Scan# 3713
Delta R.T. -0.003 min
Lab File: BN034467.D
Acq: 08 Oct 2024 12:32

Tgt Ion:276 Resp: 21172

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.3	28.9
138	25.5	22.6	34.0