Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
Data File : BN034497.D
Acq On : 09 Oct 2024 09:09
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 09 09:49:46 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	5025	0.400	ng		-0.01
7) Naphthalene-d8	10.127	136	14606	0.400	ng		-0.02
13) Acenaphthene-d10	14.026	164	8269	0.400	ng		-0.02
19) Phenanthrene-d10	16.790	188	15518	0.400	ng		-0.01
29) Chrysene-d12	21.015	240	8930	0.400	ng		# 0.00
35) Perylene-d12	23.119	264	10349	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.018	112	4800	0.337	ng		-0.01
5) Phenol-d6	6.578	99	6220	0.375	ng		-0.02
8) Nitrobenzene-d5	8.525	82	3372	0.302	ng		-0.01
11) 2-Methylnaphthalene-d10	11.735	152	7693	0.357	ng		-0.02
14) 2,4,6-Tribromophenol	15.537	330	1145	0.306	ng		-0.01
15) 2-Fluorobiphenyl	12.647	172	10796	0.321	ng		-0.01
27) Fluoranthene-d10	18.832	212	13096	0.334	ng		-0.01
31) Terphenyl-d14	19.454	244	7767	0.435	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.032	88	2445	0.389	ng		93
3) n-Nitrosodimethylamine	3.335	42	2058	0.288	ng	#	89
6) bis(2-Chloroethyl)ether	6.824	93	4338	0.296	ng		96
9) Naphthalene	10.180	128	14753	0.368	ng		100
10) Hexachlorobutadiene	10.468	225	3313	0.439	ng	#	99
12) 2-Methylnaphthalene	11.810	142	9276	0.356	ng		98
16) Acenaphthylene	13.737	152	12144	0.343	ng		100
17) Acenaphthene	14.090	154	9175	0.361	ng		98
18) Fluorene	15.084	166	11095	0.333	ng		99
20) 4,6-Dinitro-2-methylph...	16.281	198	83	0.167	ng	#	1
21) 4-Bromophenyl-phenylether	15.996	248	3325	0.381	ng		95
22) Hexachlorobenzene	16.095	284	4787	0.489	ng	#	89
23) Atrazine	16.281	200	2335	0.323	ng	#	93
24) Pentachlorophenol	16.455	266	1065	0.329	ng		97
25) Phenanthrene	16.828	178	16200	0.364	ng		99
26) Anthracene	16.914	178	12853	0.353	ng		99
28) Fluoranthene	18.864	202	17119	0.332	ng		99
30) Pyrene	19.226	202	17298	0.459	ng		100
32) Benzo(a)anthracene	21.006	228	3386	0.120	ng		98
33) Chrysene	21.050	228	13146	0.390	ng		98
36) Indeno(1,2,3-cd)pyrene	25.183	276	16087	0.363	ng		95
37) Benzo(b)fluoranthene	22.499	252	13450	0.332	ng		95
38) Benzo(k)fluoranthene	22.540	252	15385	0.362	ng		95
39) Benzo(a)pyrene	23.029	252	11655	0.353	ng		95
40) Dibenzo(a,h)anthracene	25.201	278	12280	0.356	ng		96
41) Benzo(g,h,i)perylene	25.800	276	15097	0.390	ng		97

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

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Misc :
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Instrument :
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Quant Time: Oct 09 09:49:46 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
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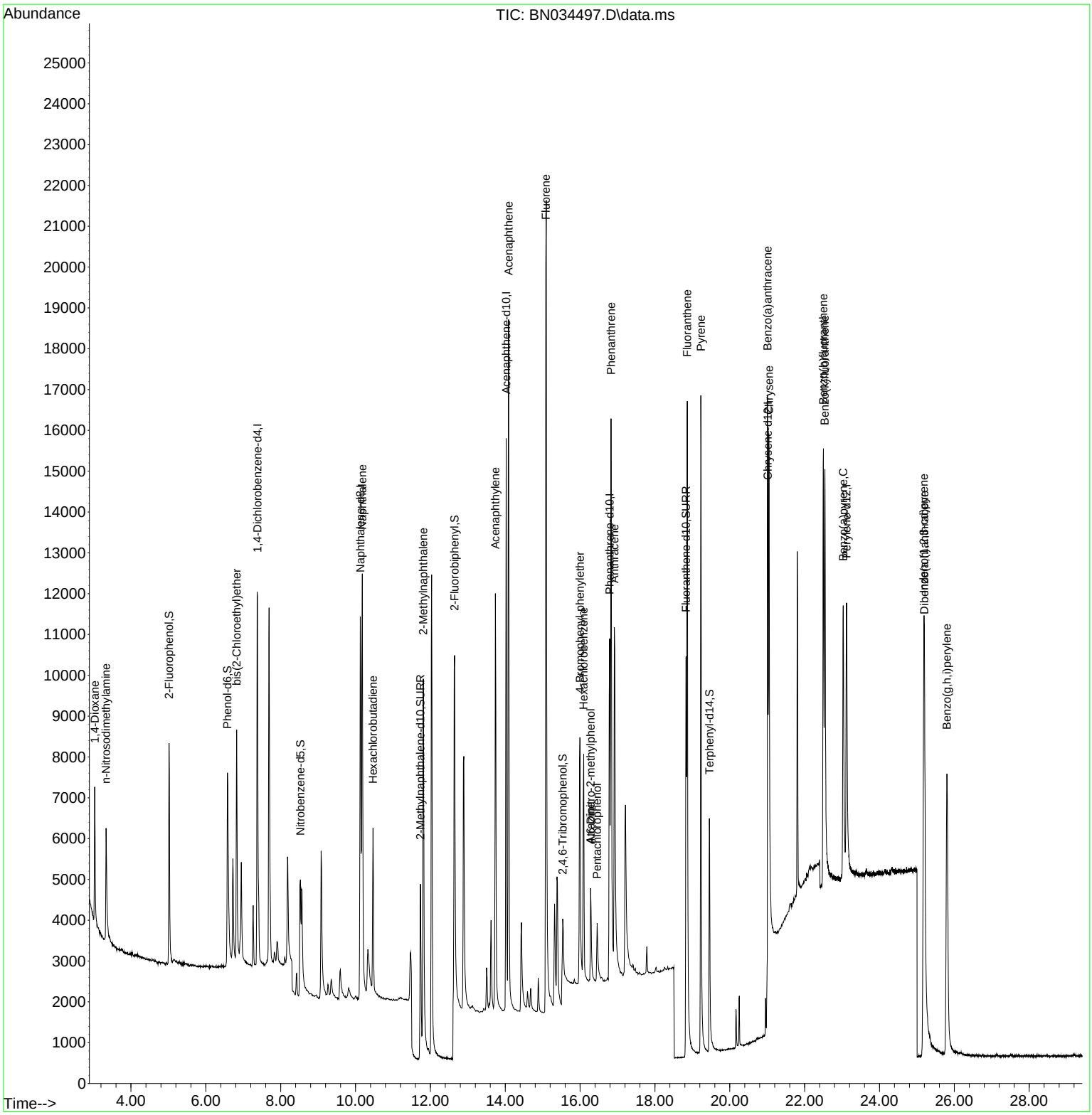
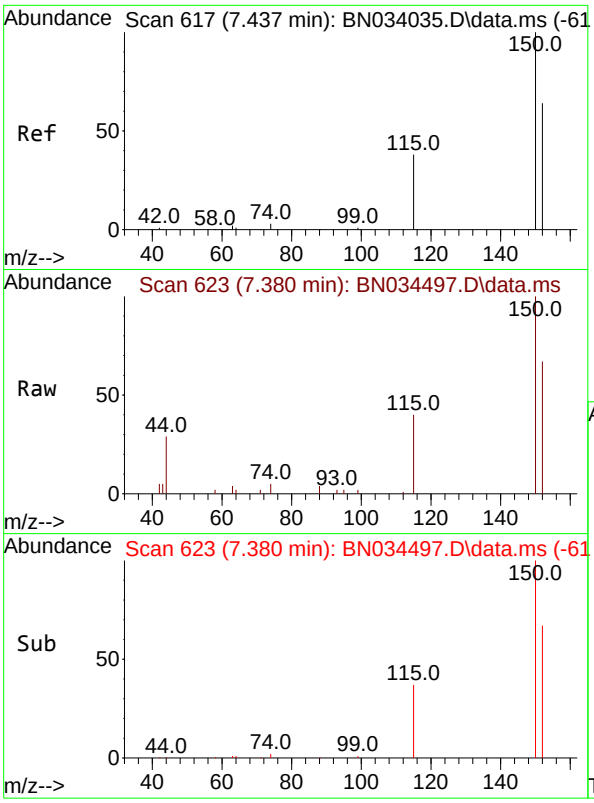


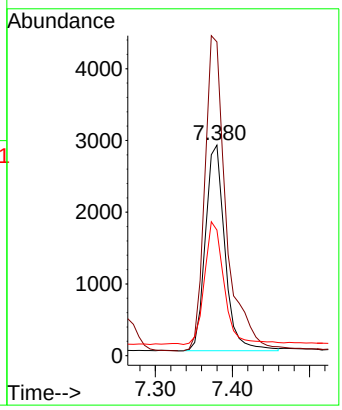


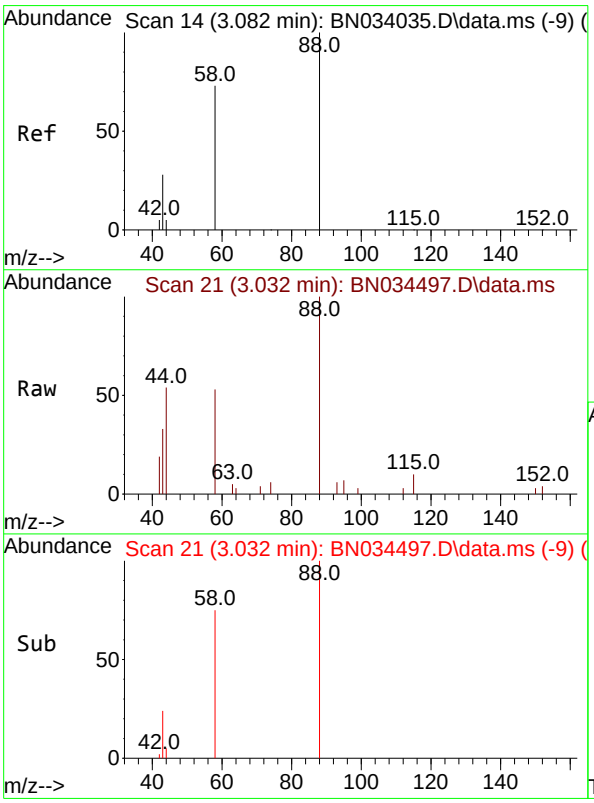
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.380 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5025

Ion	Ratio	Lower	Upper
152	100		
150	149.0	124.6	187.0
115	59.7	50.0	75.0

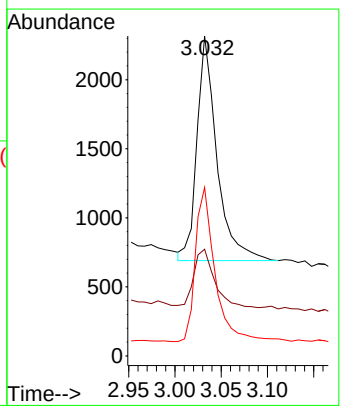


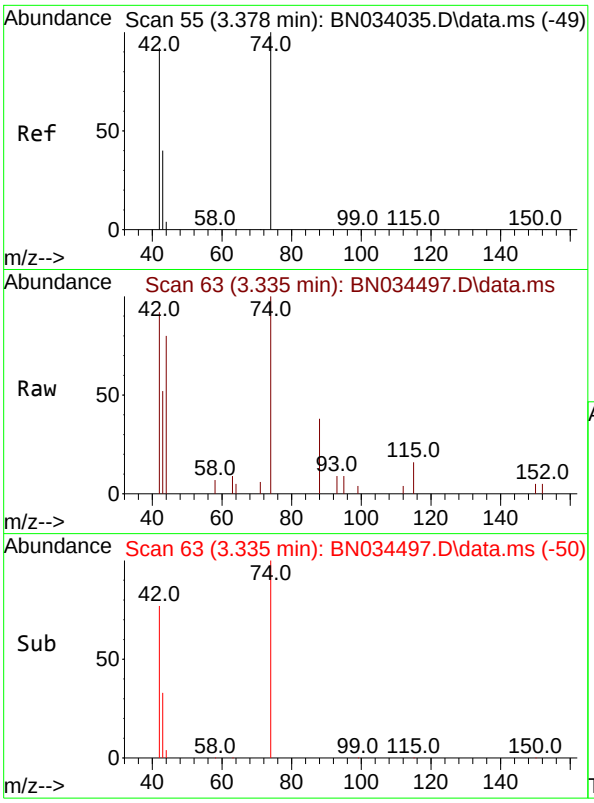


#2
1,4-Dioxane
Concen: 0.389 ng
RT: 3.032 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion: 88 Resp: 2445

Ion	Ratio	Lower	Upper
88	100		
43	29.6	25.8	38.8
58	67.0	58.8	88.2



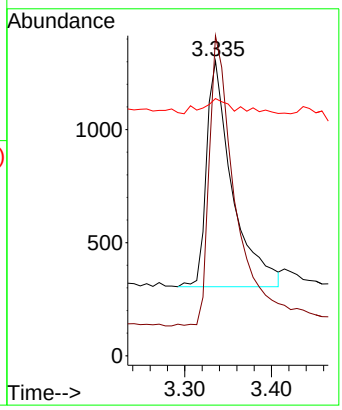


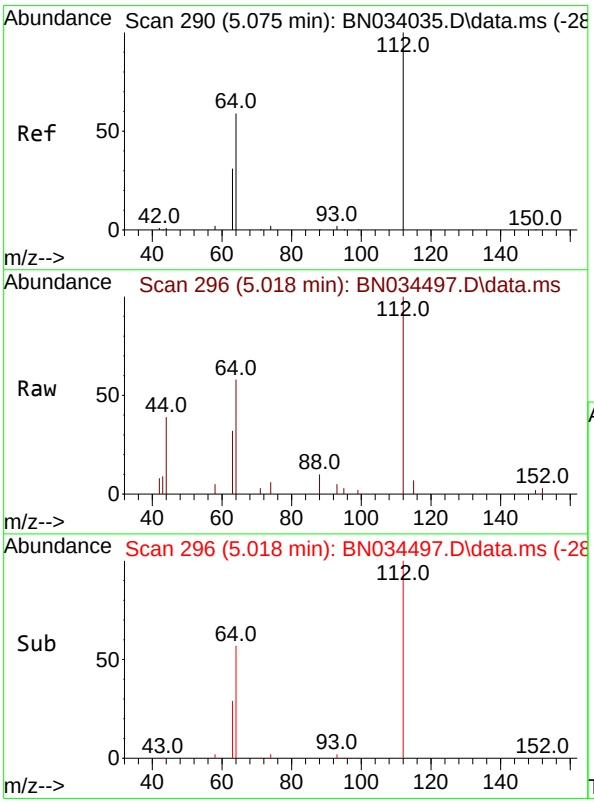
#3
n-Nitrosodimethylamine
Concen: 0.288 ng
RT: 3.335 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2058

Ion	Ratio	Lower	Upper
42	100		
74	129.0	94.6	142.0
44	8.3	12.4	18.6#

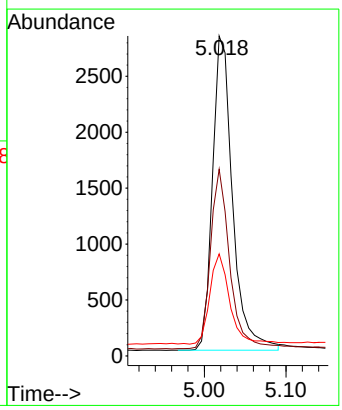


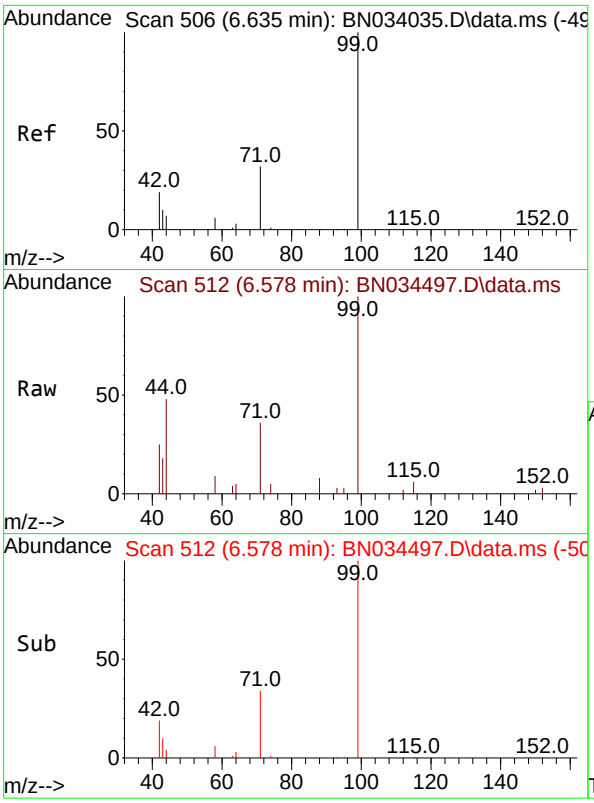


#4
2-Fluorophenol
Concen: 0.337 ng
RT: 5.018 min Scan# 296
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:112 Resp: 4800

Ion	Ratio	Lower	Upper
112	100		
64	55.2	48.6	72.8
63	28.5	25.6	38.4



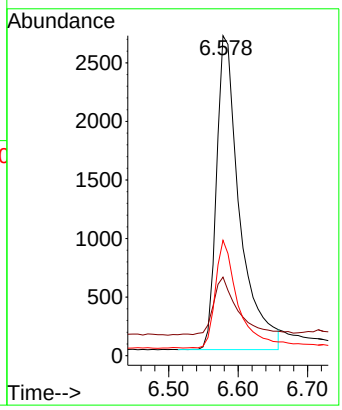


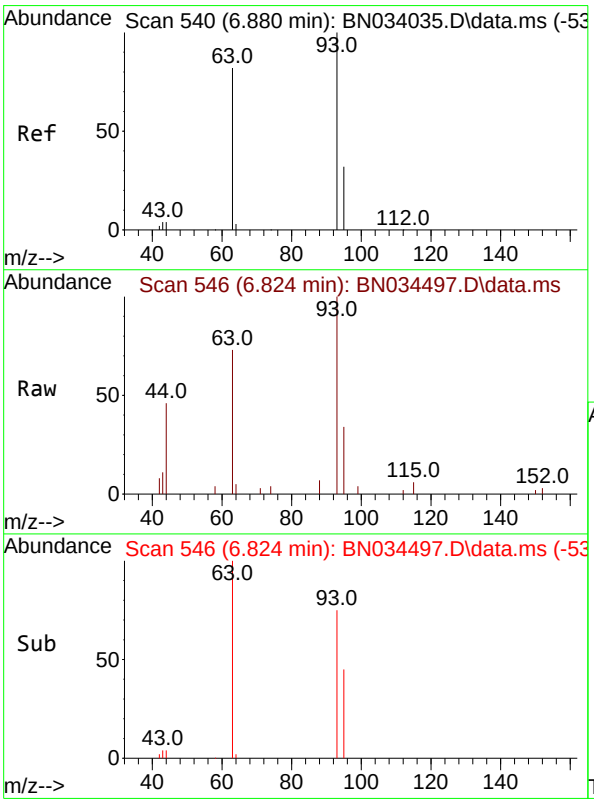
#5
Phenol-d6
Concen: 0.375 ng
RT: 6.578 min Scan# 5
Delta R.T. -0.022 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 6220

Ion	Ratio	Lower	Upper
99	100		
42	19.1	17.8	26.8
71	33.2	26.2	39.2

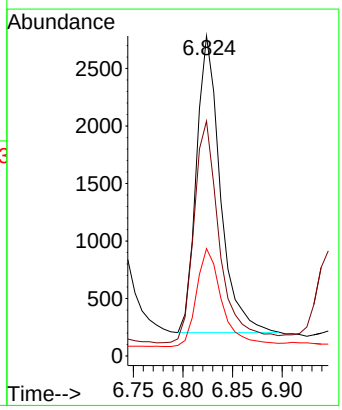


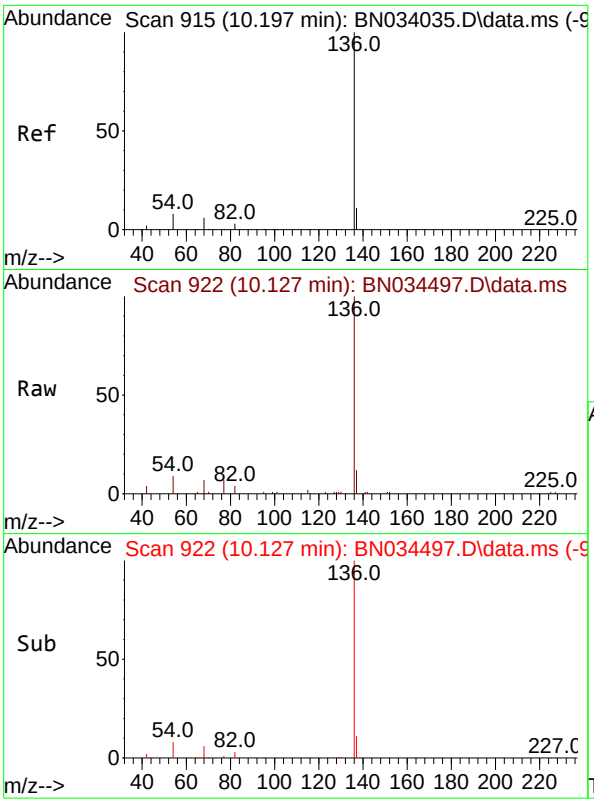


#6
bis(2-Chloroethyl)ether
Concen: 0.296 ng
RT: 6.824 min Scan# 546
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion: 93 Resp: 4338

Ion	Ratio	Lower	Upper
93	100		
63	80.8	67.3	100.9
95	35.5	26.8	40.2



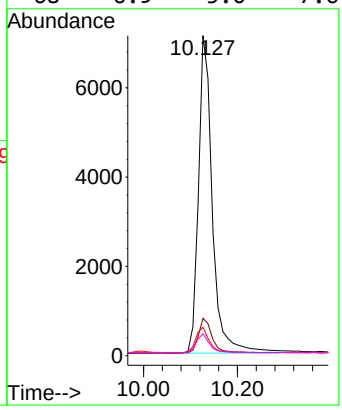


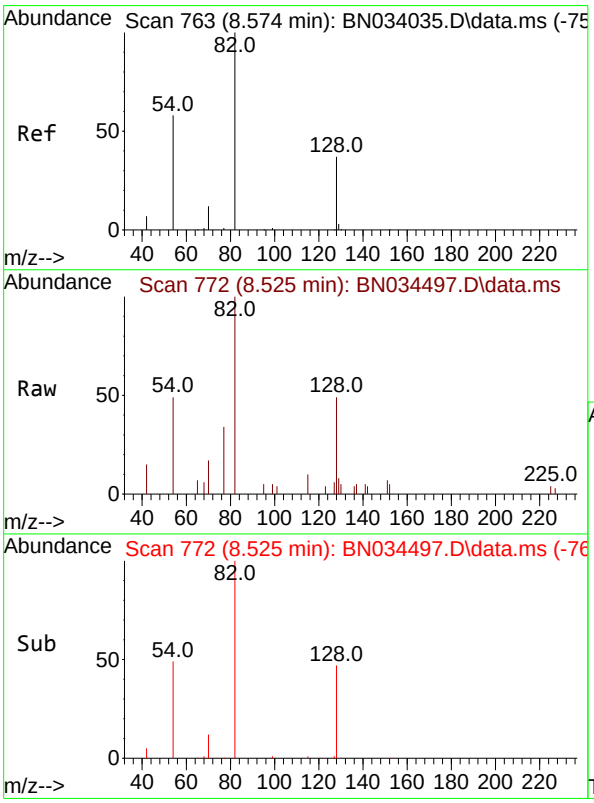
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.127 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 14606

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.6
54	8.9	6.8	10.2
68	6.9	5.0	7.6

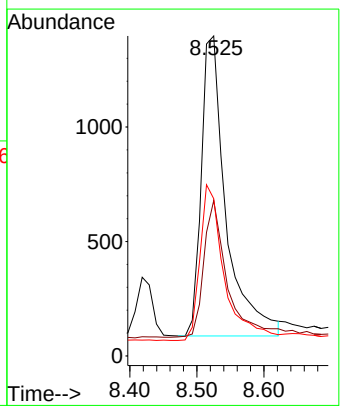


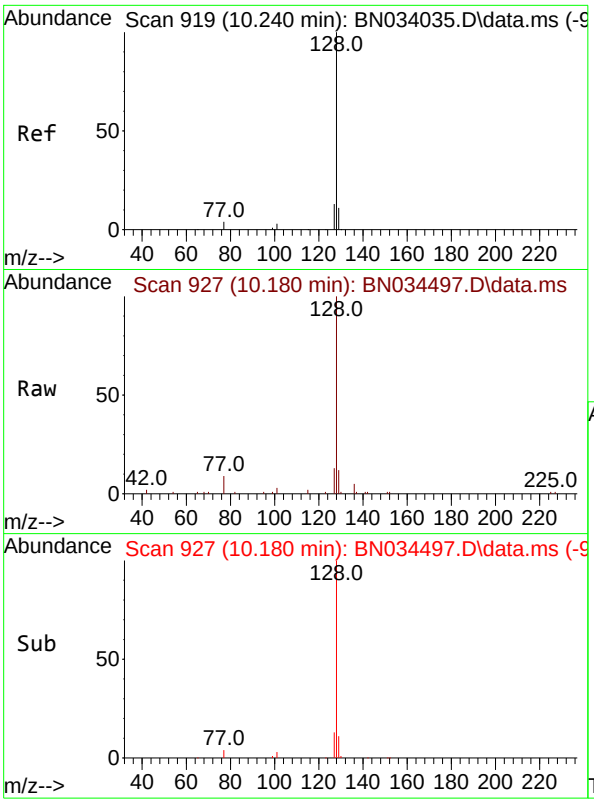


#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.525 min Scan# 772
Delta R.T. -0.011 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion: 82 Resp: 3372

Ion	Ratio	Lower	Upper
82	100		
128	48.6	31.4	47.2#
54	49.1	47.4	71.0



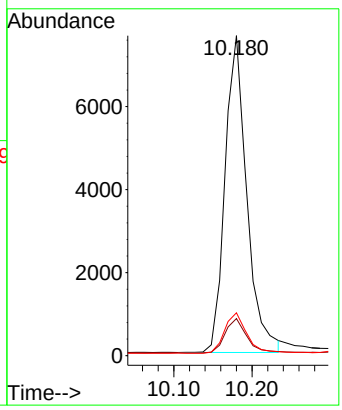


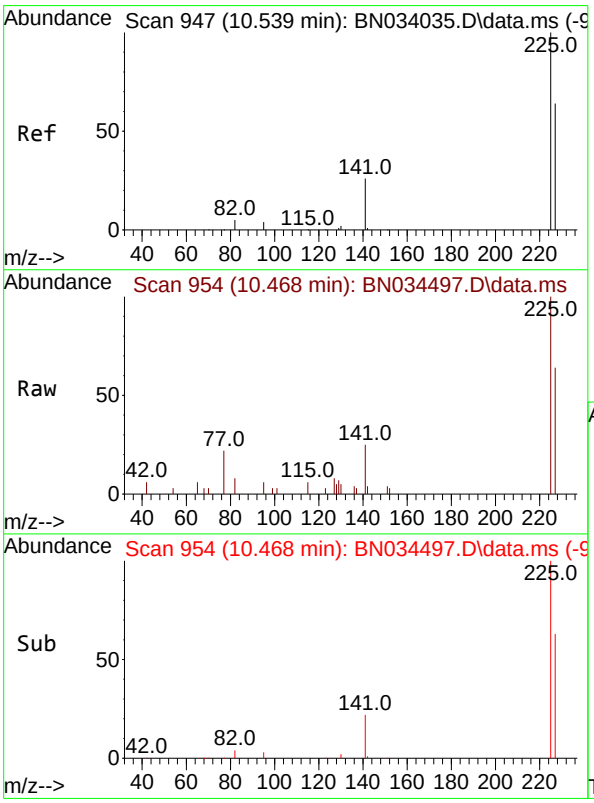
#9
Naphthalene
Concen: 0.368 ng
RT: 10.180 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 14753

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.4	10.7	16.1

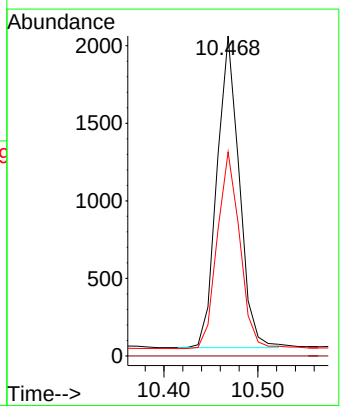


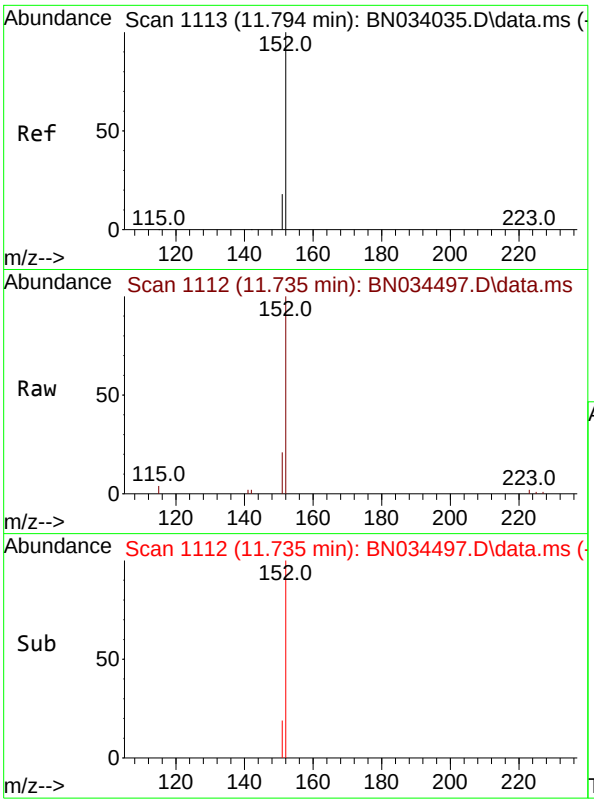


#10
Hexachlorobutadiene
Concen: 0.439 ng
RT: 10.468 min Scan# 954
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:225 Resp: 3313

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.5	75.7



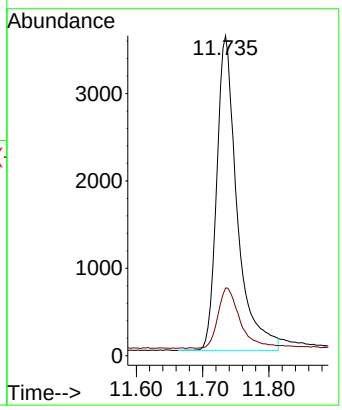


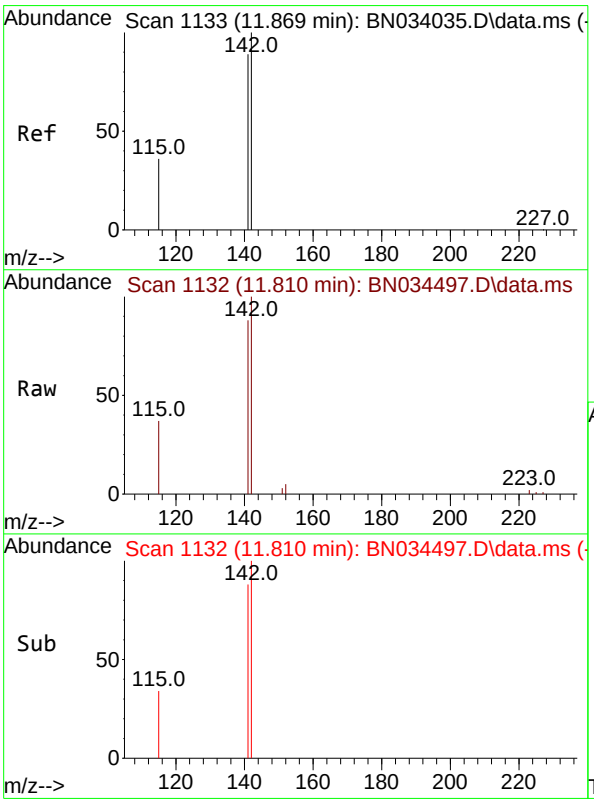
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 11.735 min Scan# 11
Delta R.T. -0.019 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7693

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2

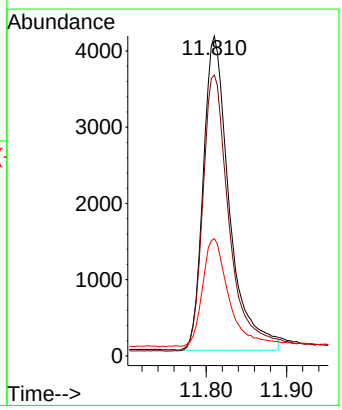


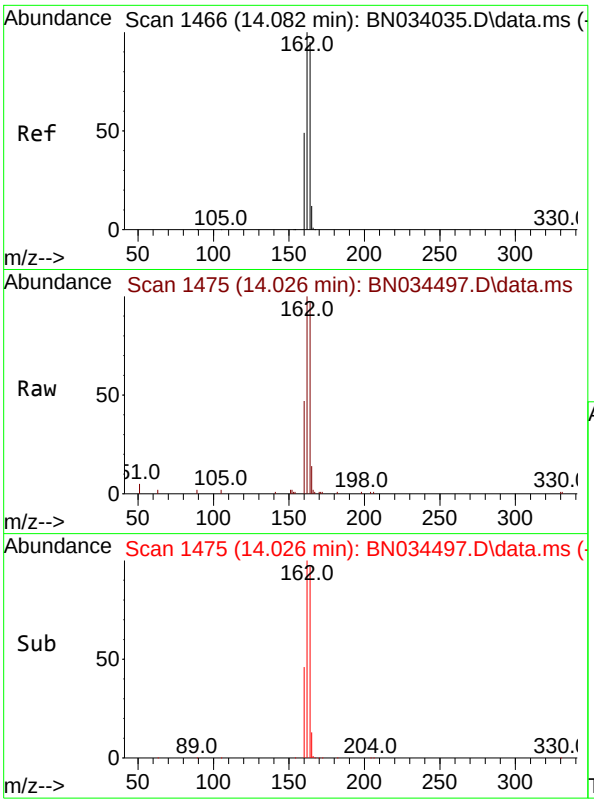


#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 11.810 min Scan# 1132
Delta R.T. -0.019 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:142 Resp: 9276

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.6	107.4
115	36.6	30.0	45.0



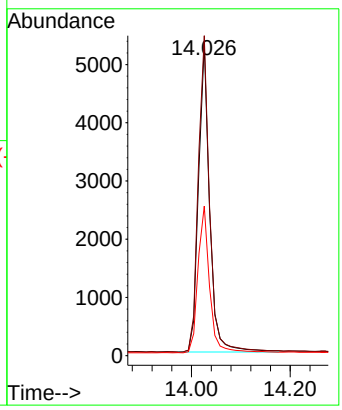


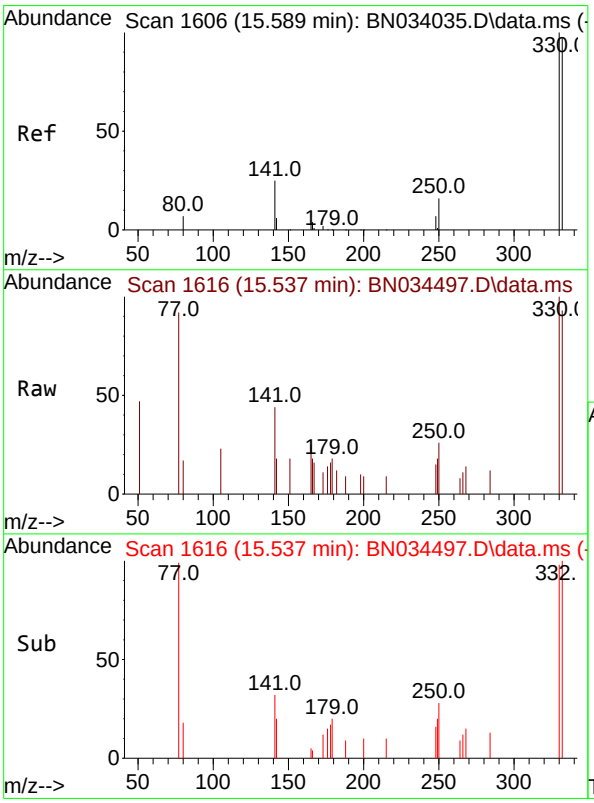
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.026 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8269

Ion	Ratio	Lower	Upper
164	100		
162	102.8	84.2	126.2
160	48.0	41.7	62.5

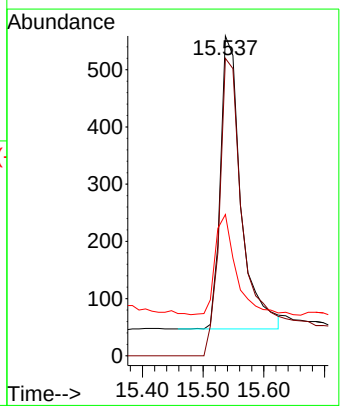


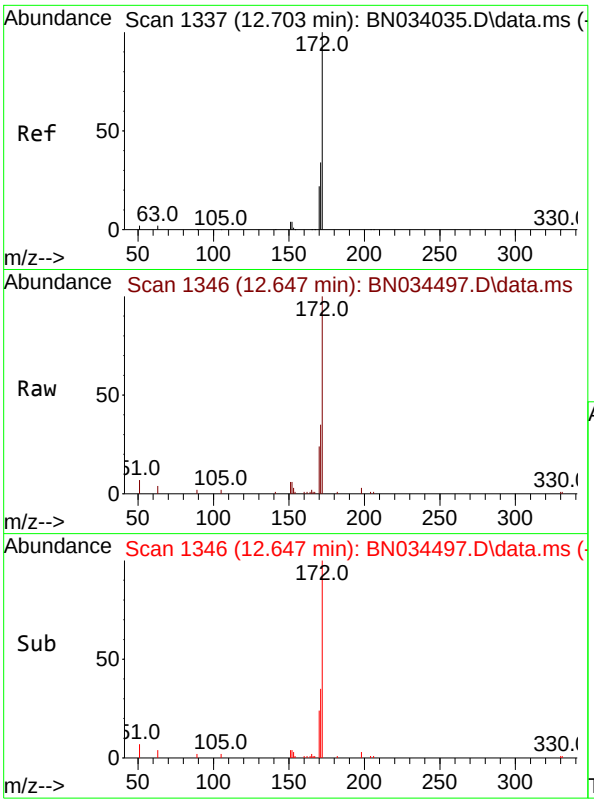


#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 15.537 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:330 Resp: 1145

Ion	Ratio	Lower	Upper
330	100		
332	127.0	77.4	116.0#
141	35.1	35.9	53.9#



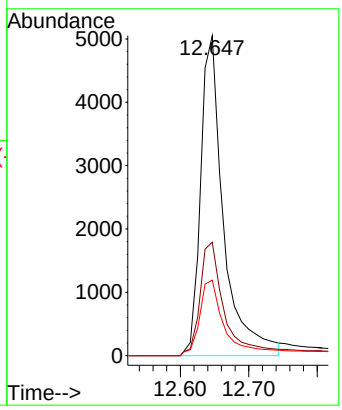


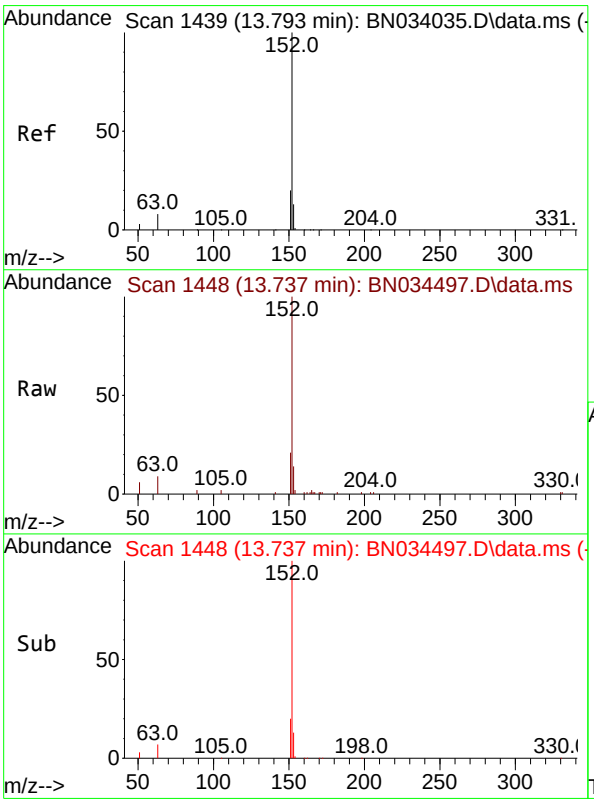
#15
2-Fluorobiphenyl
Concen: 0.321 ng
RT: 12.647 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 10796

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

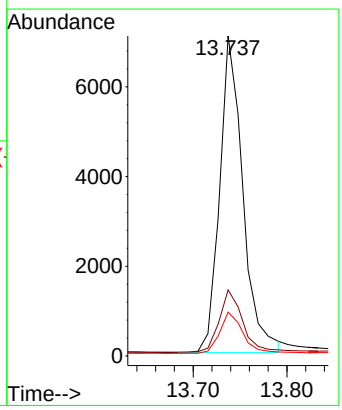


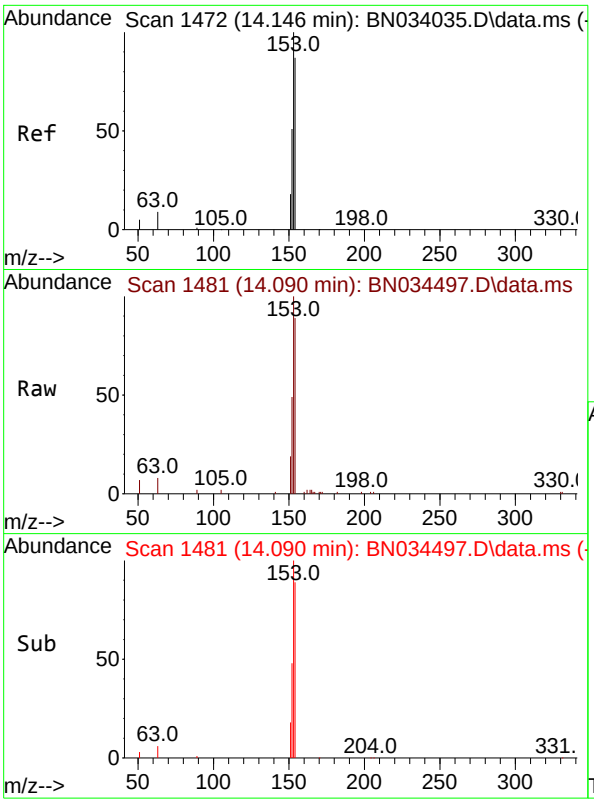


#16
Acenaphthylene
Concen: 0.343 ng
RT: 13.737 min Scan# 1448
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:152 Resp: 12144

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.0	10.3	15.5



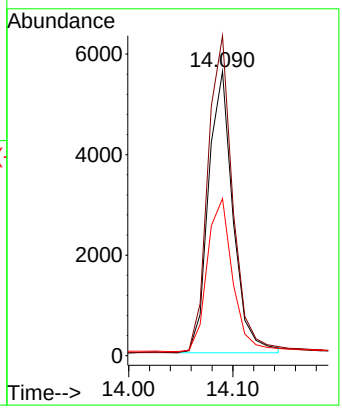


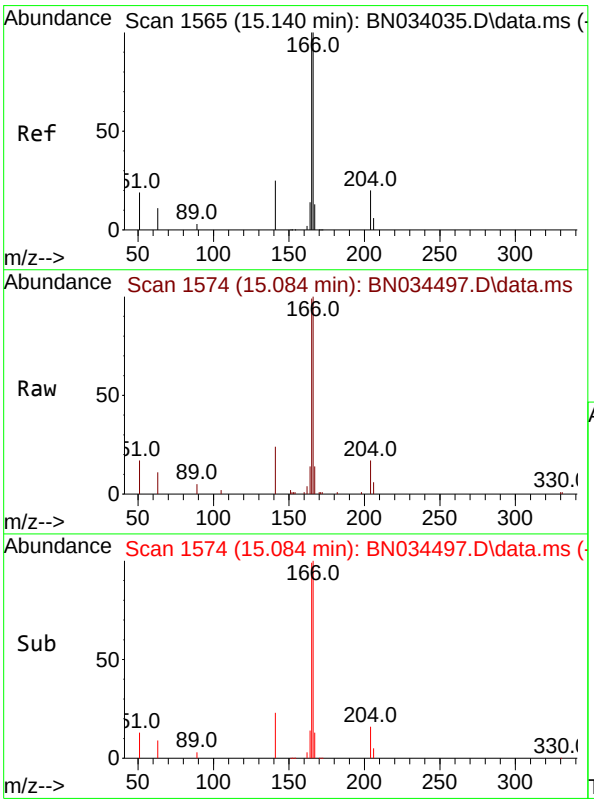
#17
Acenaphthene
Concen: 0.361 ng
RT: 14.090 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 9175

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.6	137.4
152	56.4	47.4	71.2

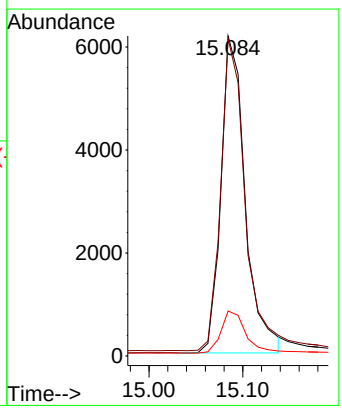


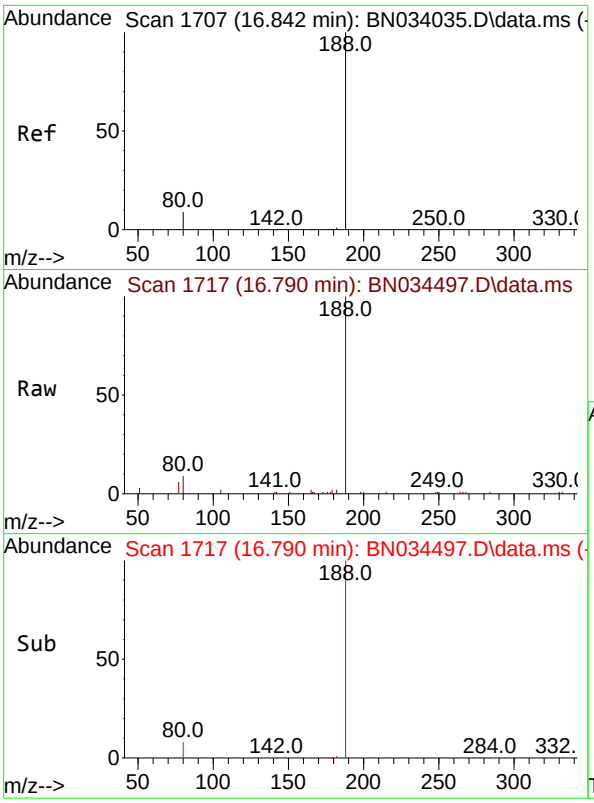


#18
Fluorene
Concen: 0.333 ng
RT: 15.084 min Scan# 1574
Delta R.T. -0.021 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:166 Resp: 11095

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.4	10.6	15.8



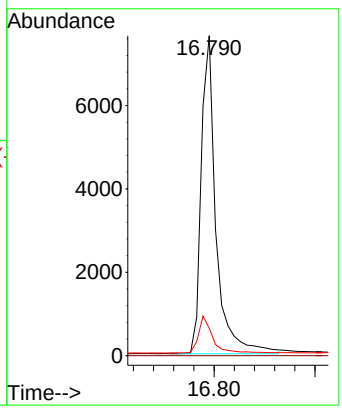


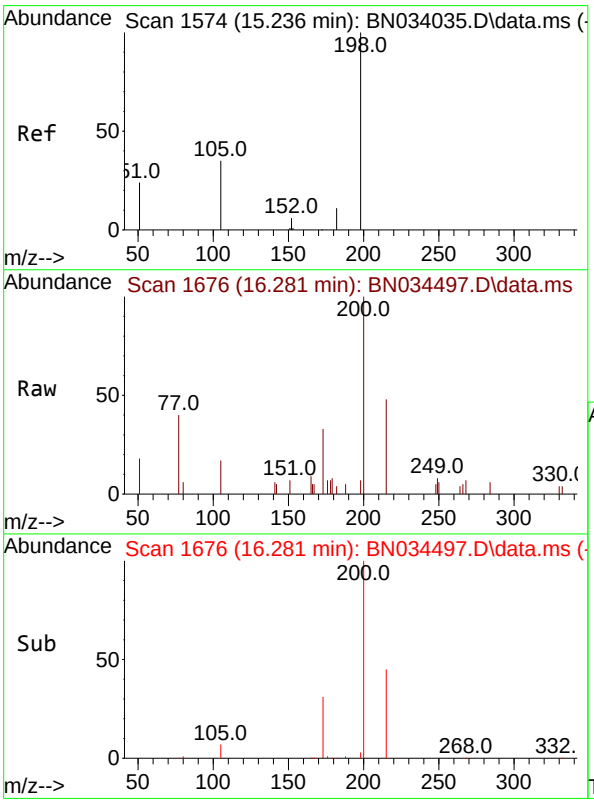
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.790 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 15518

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.0

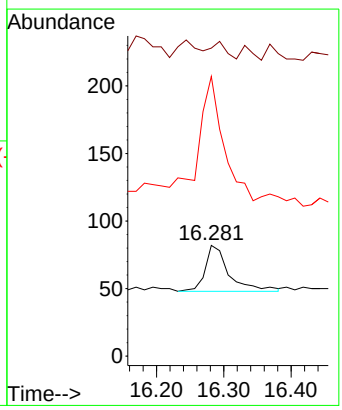


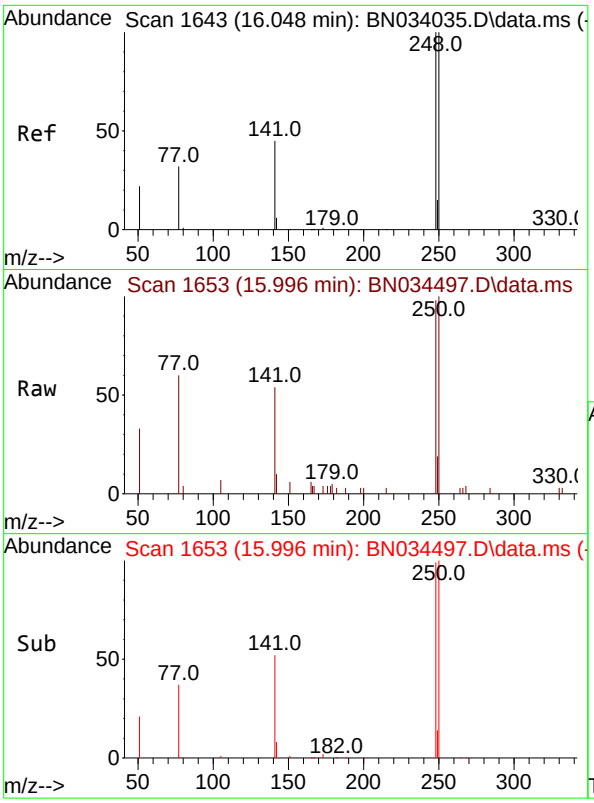


#20
4,6-Dinitro-2-methylphenol
Concen: 0.167 ng
RT: 16.281 min Scan# 1676
Delta R.T. -0.025 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:198 Resp: 83

Ion	Ratio	Lower	Upper
198	100		
51	278.0	106.4	159.6#
105	252.4	38.5	57.7#



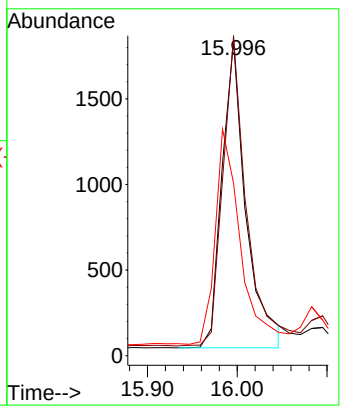


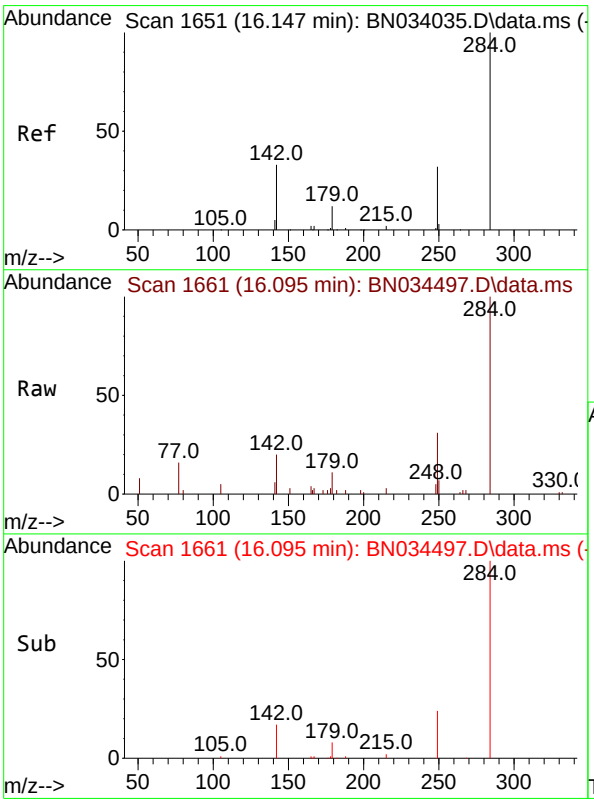
#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 15.996 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 3325

Ion	Ratio	Lower	Upper
248	100		
250	101.6	80.5	120.7
141	54.8	37.1	55.7

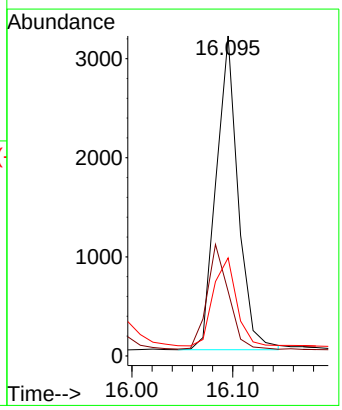


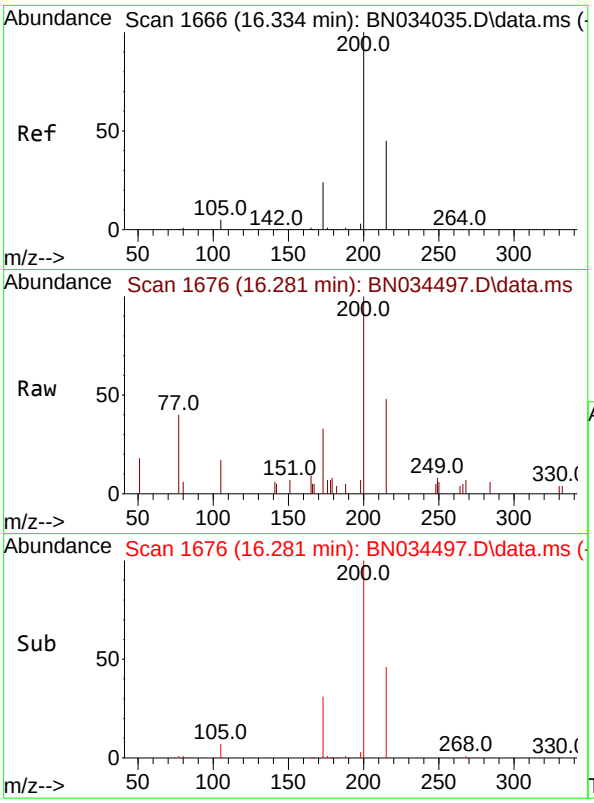


#22
Hexachlorobenzene
Concen: 0.489 ng
RT: 16.095 min Scan# 1661
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:284 Resp: 4787

Ion	Ratio	Lower	Upper
284	100		
142	32.5	34.5	51.7#
249	29.6	25.8	38.6



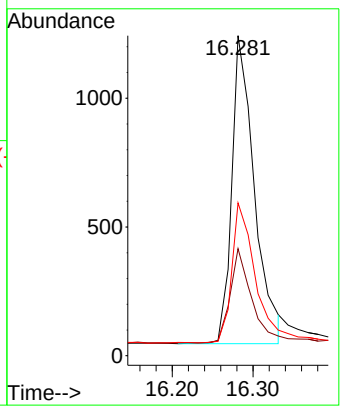


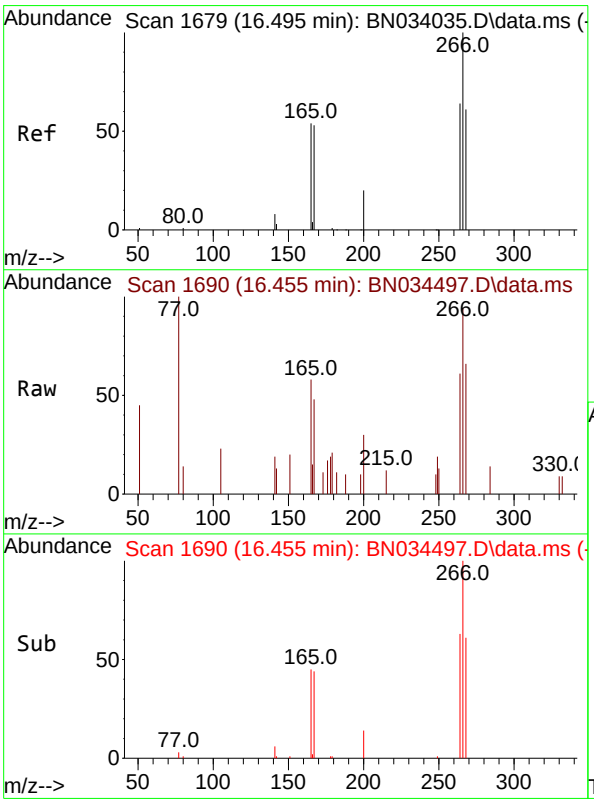
#23
Atrazine
Concen: 0.323 ng
RT: 16.281 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 2335

Ion	Ratio	Lower	Upper
200	100		
173	33.5	20.1	30.1#
215	47.8	37.0	55.6

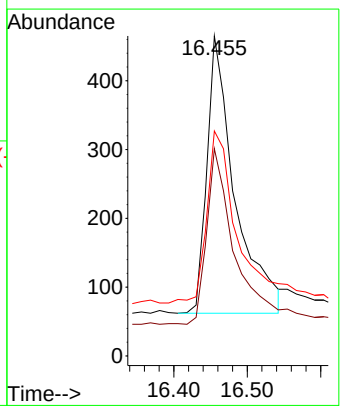


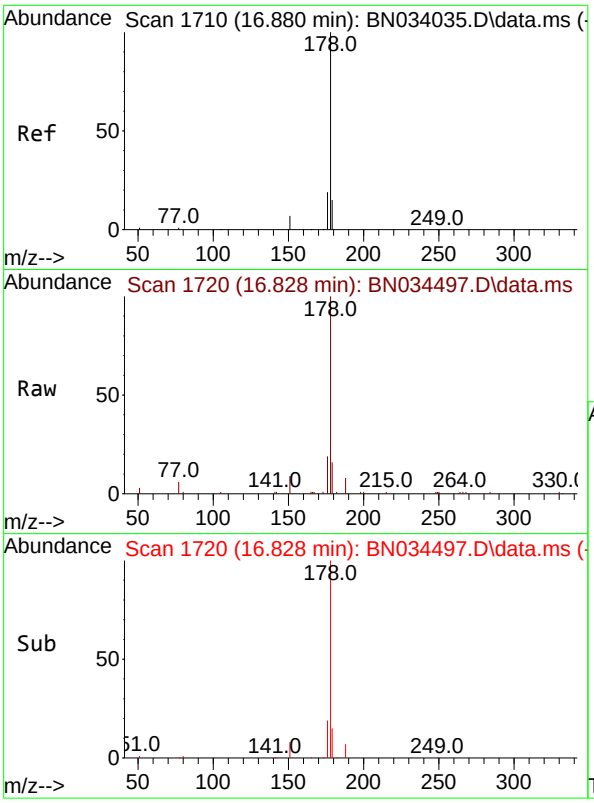


#24
Pentachlorophenol
Concen: 0.329 ng
RT: 16.455 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:266 Resp: 1065

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.2	75.2
268	67.7	51.0	76.4



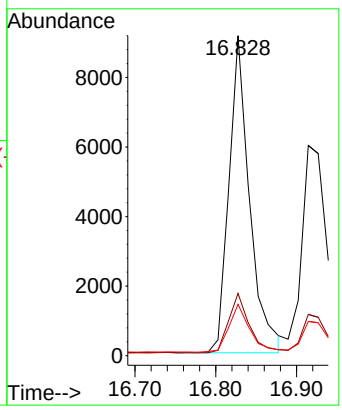


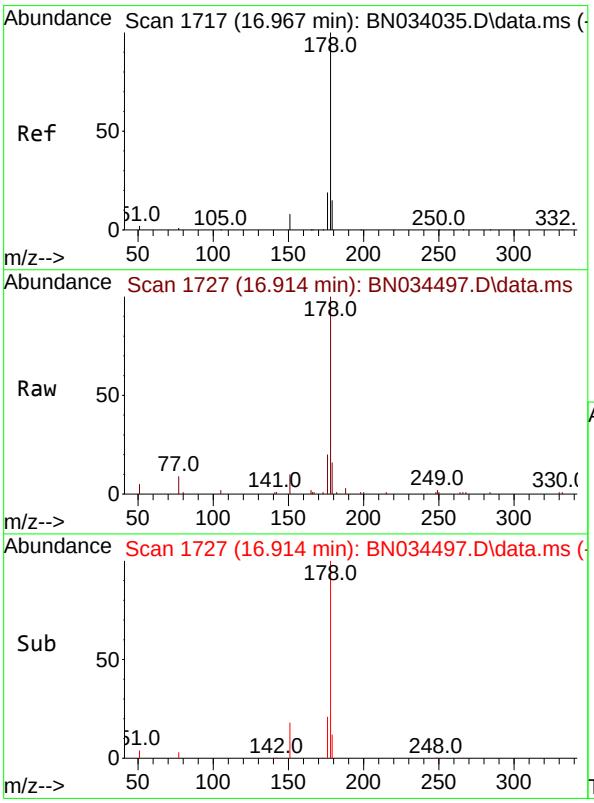
#25
Phenanthrene
Concen: 0.364 ng
RT: 16.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 16200

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

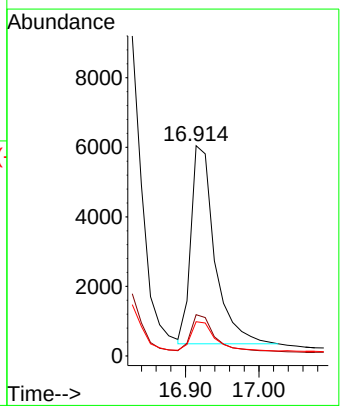


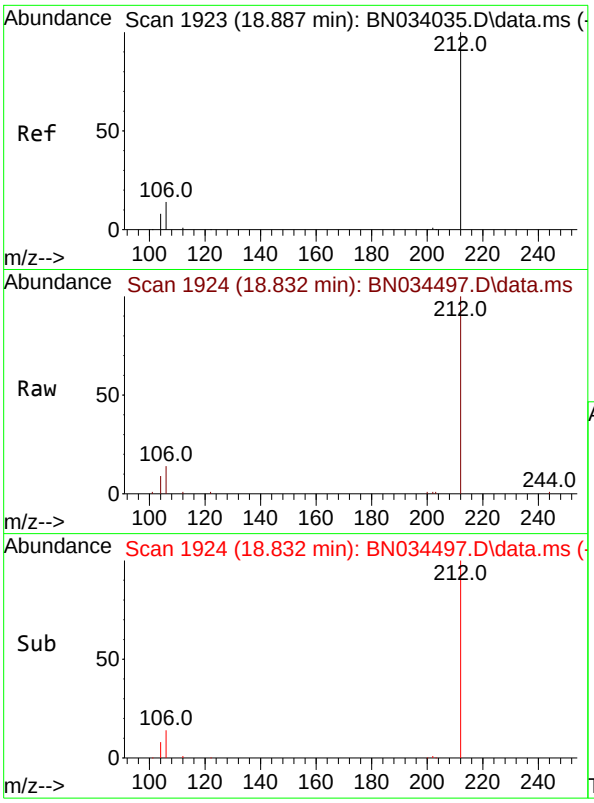


#26
Anthracene
Concen: 0.353 ng
RT: 16.914 min Scan# 1727
Delta R.T. -0.025 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:178 Resp: 12853

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.6
179	15.1	12.2	18.4



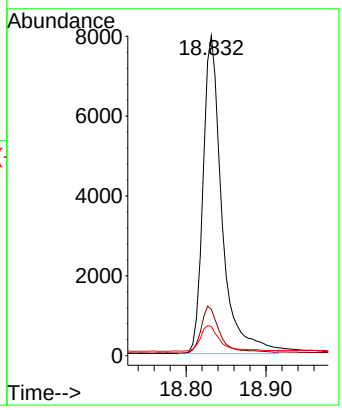


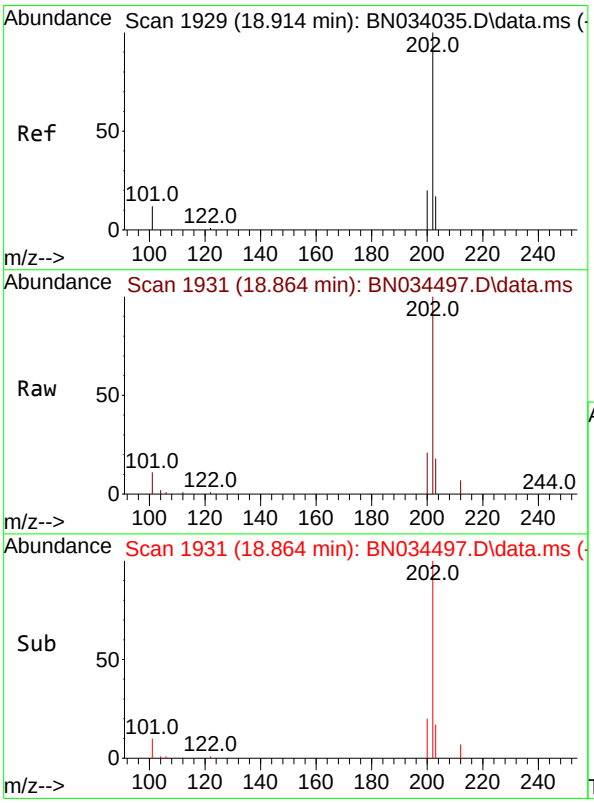
#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 18.832 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 13096

Ion	Ratio	Lower	Upper
212	100		
106	14.6	13.4	20.2
104	8.4	7.8	11.6

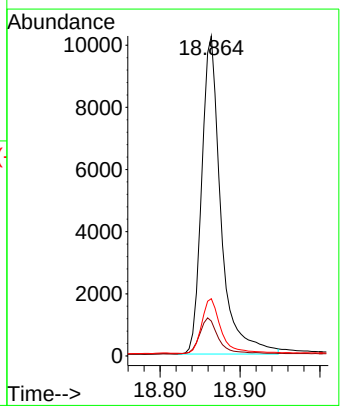


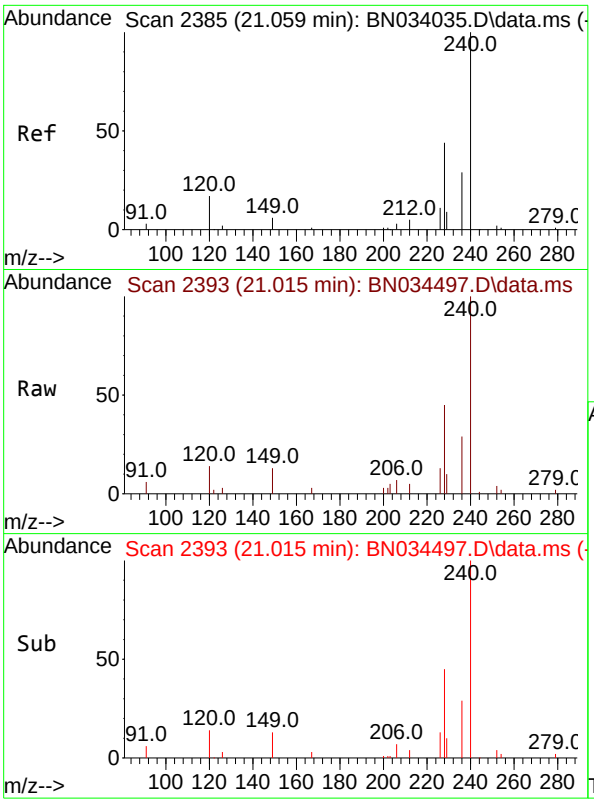


#28
Fluoranthene
Concen: 0.332 ng
RT: 18.864 min Scan# 1931
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:202 Resp: 17119

Ion	Ratio	Lower	Upper
202	100		
101	11.6	10.1	15.1
203	17.2	13.6	20.4



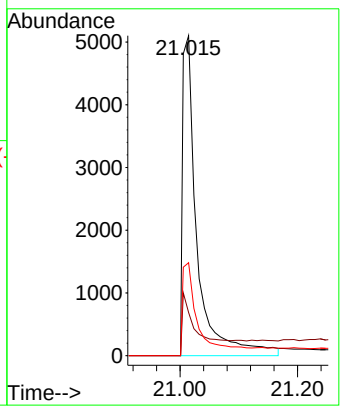


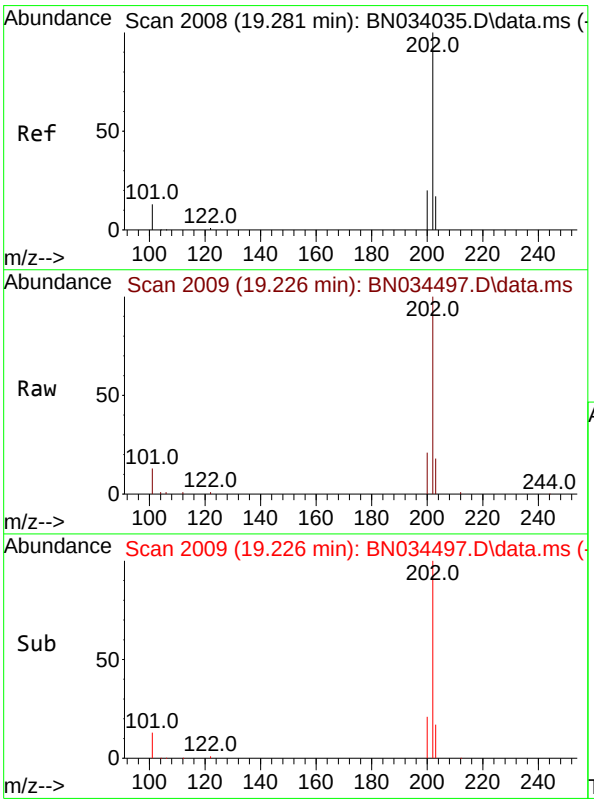
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8930

Ion	Ratio	Lower	Upper
240	100		
120	13.5	13.5	20.3#
236	29.1	23.4	35.0

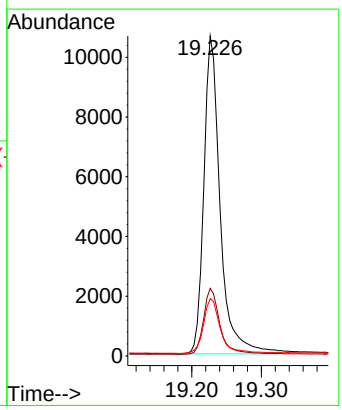


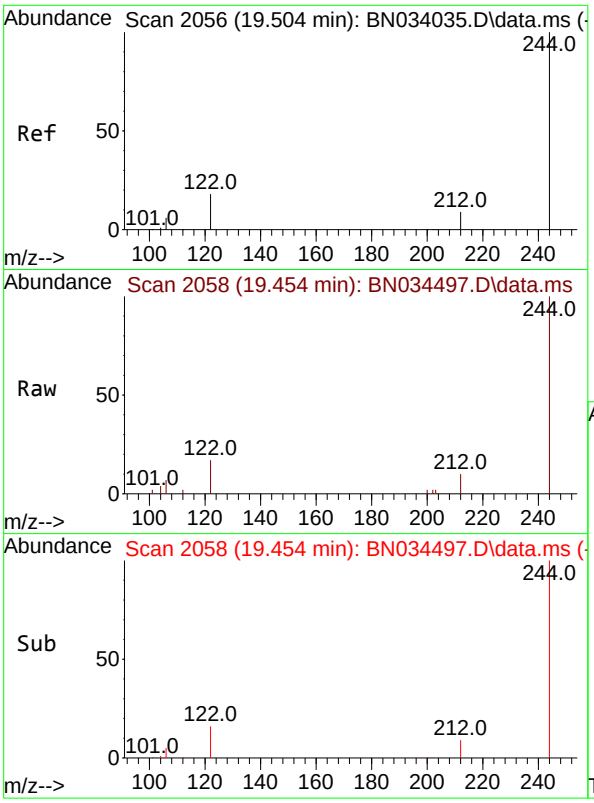


#30
Pyrene
Concen: 0.459 ng
RT: 19.226 min Scan# 2009
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:202 Resp: 17298

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



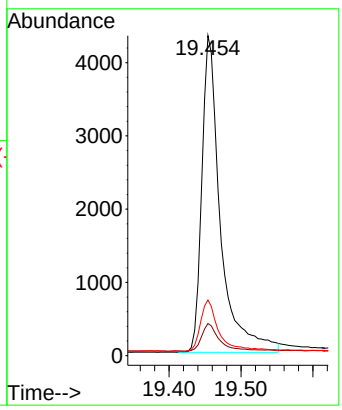


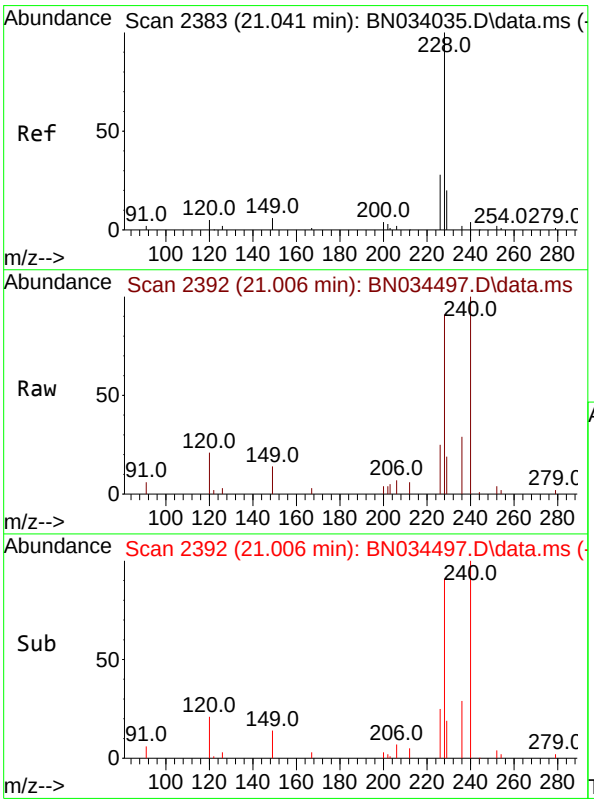
#31
Terphenyl-d14
Concen: 0.435 ng
RT: 19.454 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 7767

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.8	11.6
122	17.4	14.8	22.2

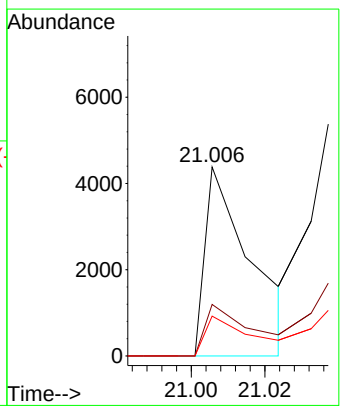


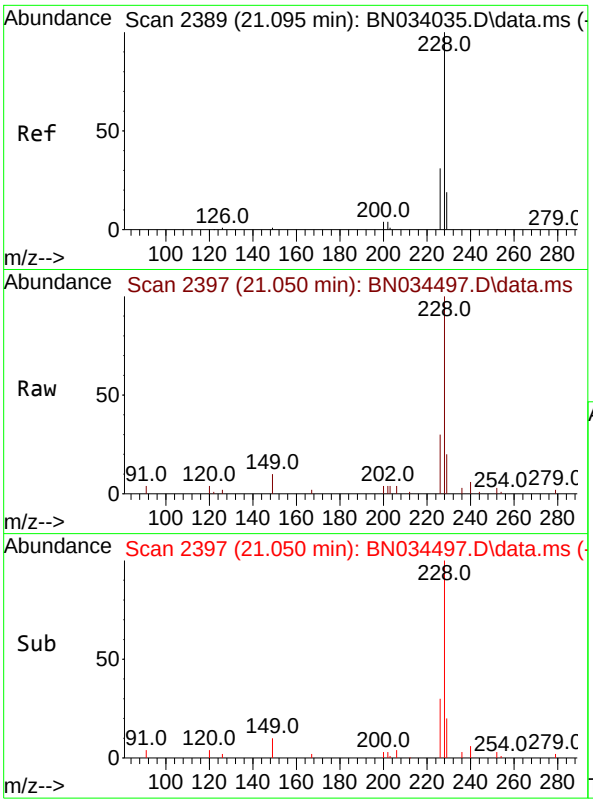


#32
Benzo(a)anthracene
Concen: 0.120 ng
RT: 21.006 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:228 Resp: 3386

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	21.1	15.7	23.5



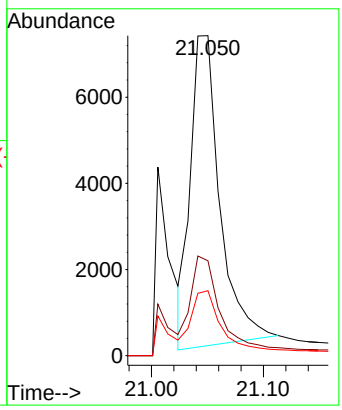


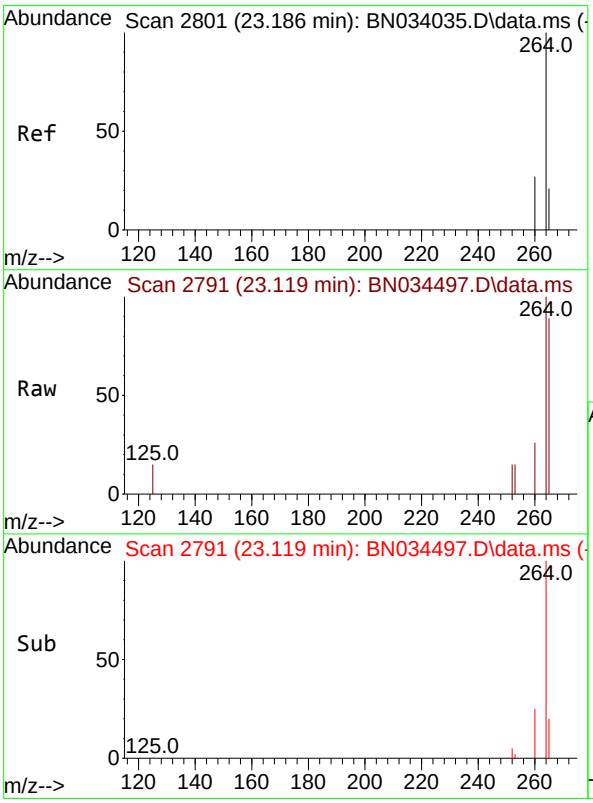
#33
Chrysene
Concen: 0.390 ng
RT: 21.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 13146

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	20.3	15.5	23.3

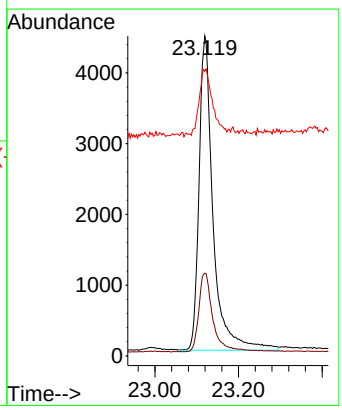


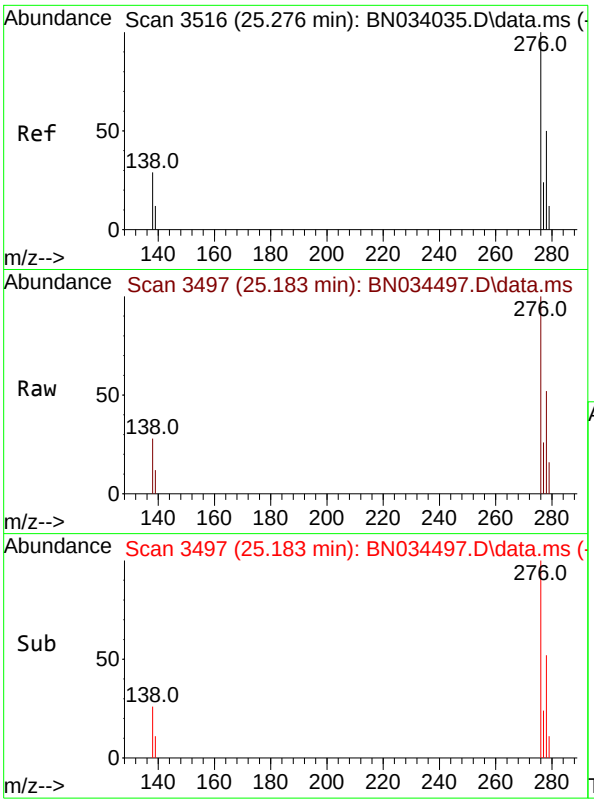


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.119 min Scan# 2791
Delta R.T. -0.009 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:264 Resp: 10349

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.7	32.5
265	89.0	52.1	78.1#



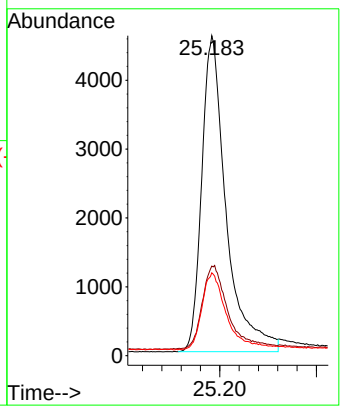


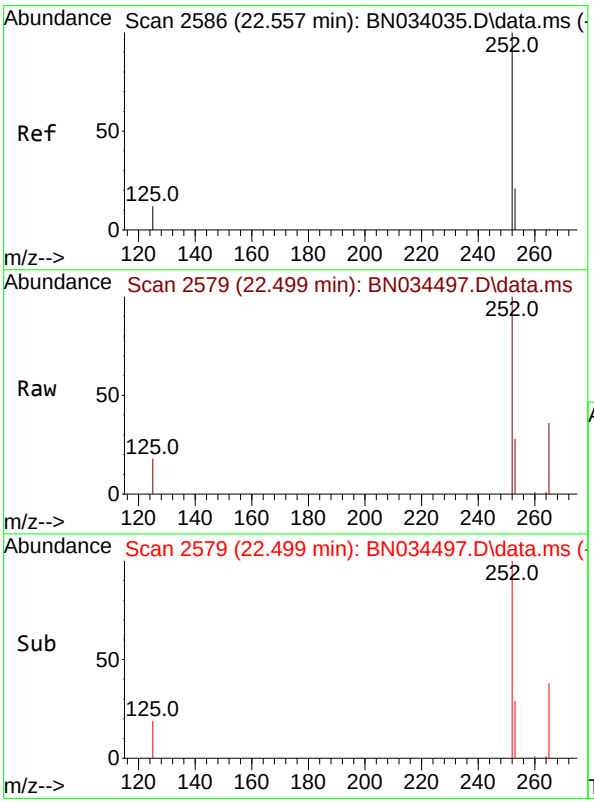
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 25.183 min Scan# 34
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 16087

Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.9	38.9
277	23.7	19.7	29.5

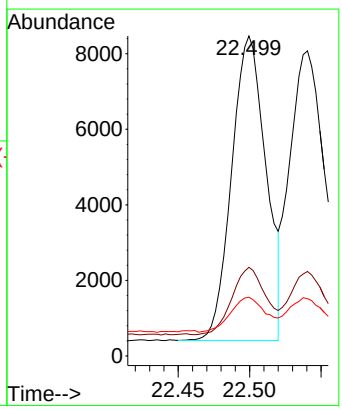


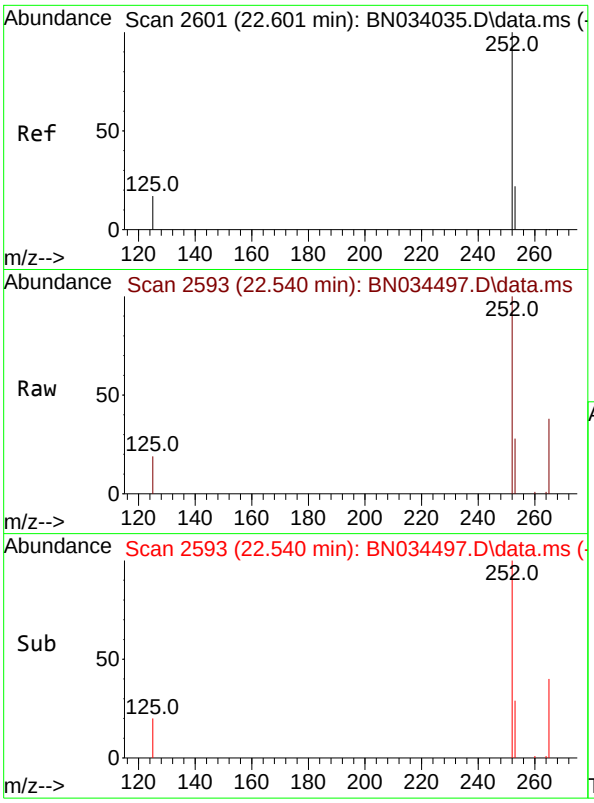


#37
Benzo(b)fluoranthene
Concen: 0.332 ng
RT: 22.499 min Scan# 2579
Delta R.T. -0.009 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:252 Resp: 13450

Ion	Ratio	Lower	Upper
252	100		
253	27.7	19.6	29.4
125	18.3	13.8	20.8



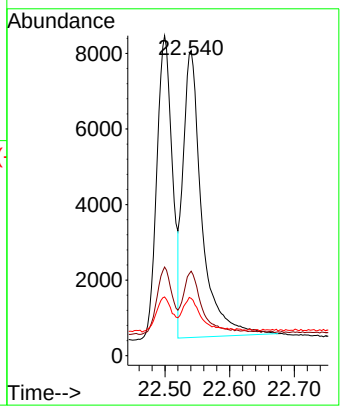


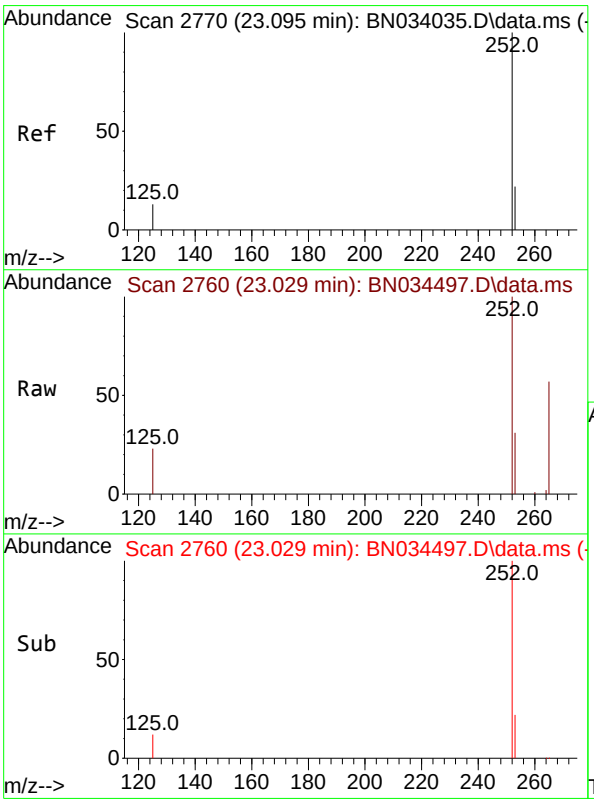
#38
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 22.540 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 15385

Ion	Ratio	Lower	Upper
252	100		
253	27.7	20.1	30.1
125	18.8	16.8	25.2

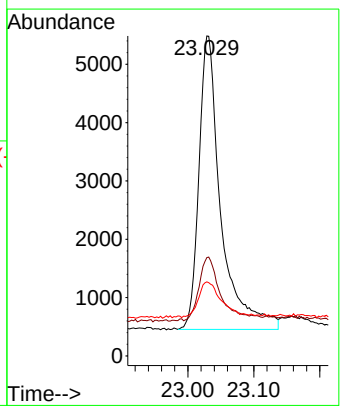


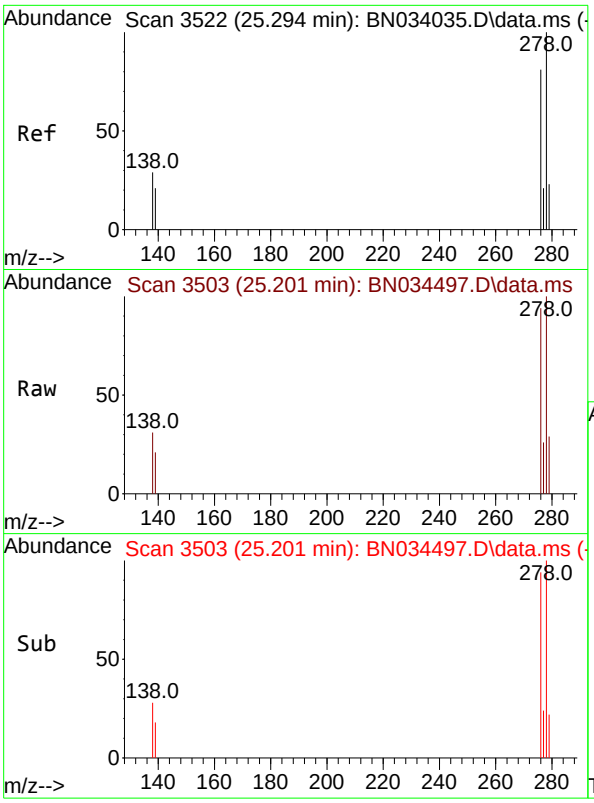


#39
Benzo(a)pyrene
Concen: 0.353 ng
RT: 23.029 min Scan# 2760
Delta R.T. -0.009 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:252 Resp: 11655

Ion	Ratio	Lower	Upper
252	100		
253	30.8	21.8	32.8
125	23.2	17.5	26.3



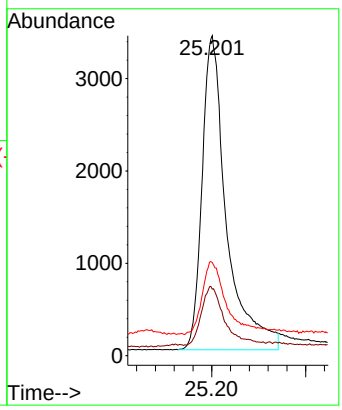


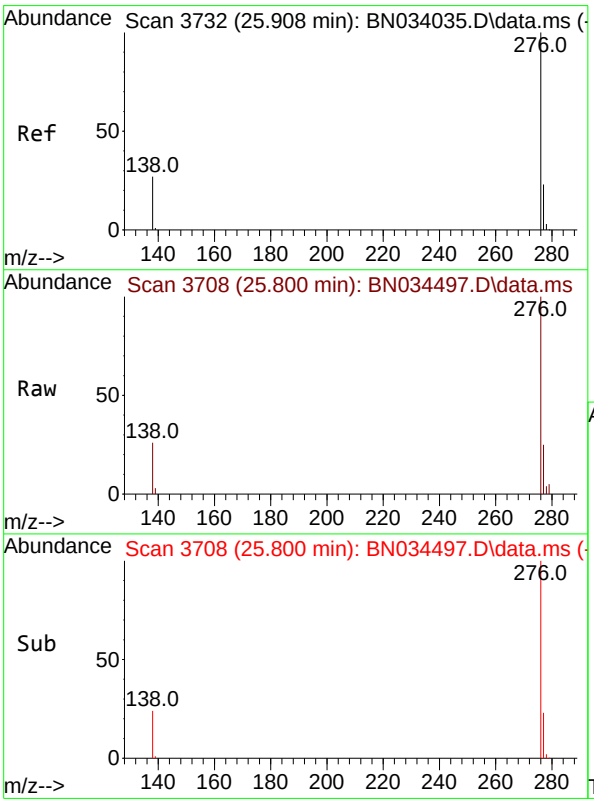
#40
Dibenzo(a,h)anthracene
Concen: 0.356 ng
RT: 25.201 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:278 Resp: 12280

Ion	Ratio	Lower	Upper
278	100		
139	20.8	17.8	26.8
279	29.1	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 0.390 ng
RT: 25.800 min Scan# 3708
Delta R.T. -0.017 min
Lab File: BN034497.D
Acq: 09 Oct 2024 09:09

Tgt Ion:276 Resp: 15097

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.3	28.9
138	26.0	22.6	34.0