Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101524\
Data File : BN034593.D
Acq On : 15 Oct 2024 17:49
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Oct 16 00:02:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 23:53:04 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	5642	0.400	ng		0.00
7) Naphthalene-d8	10.447	136	16309	0.400	ng		0.00
13) Acenaphthene-d10	14.297	164	8250	0.400	ng		0.00
19) Phenanthrene-d10	17.044	188	17255	0.400	ng		0.00
29) Chrysene-d12	21.232	240	14524	0.400	ng		0.00
35) Perylene-d12	23.443	264	16985	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.278	112	3914	0.251	ng		0.00
5) Phenol-d6	6.838	99	4861	0.231	ng		0.00
8) Nitrobenzene-d5	8.803	82	2578	0.210	ng		0.00
11) 2-Methylnaphthalene-d10	12.041	152	4677	0.186	ng		0.00
14) 2,4,6-Tribromophenol	15.790	330	809	0.191	ng		0.00
15) 2-Fluorobiphenyl	12.928	172	6232	0.184	ng		0.00
27) Fluoranthene-d10	19.075	212	8646	0.187	ng		0.00
31) Terphenyl-d14	19.689	244	5718	0.208	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	1379	0.220	ng		96
3) n-Nitrosodimethylamine	3.545	42	1479	0.183	ng	#	84
6) bis(2-Chloroethyl)ether	7.105	93	3297	0.193	ng		97
9) Naphthalene	10.490	128	8690	0.193	ng	#	92
10) Hexachlorobutadiene	10.799	225	1512	0.176	ng	#	100
12) 2-Methylnaphthalene	12.113	142	5529	0.182	ng		95
16) Acenaphthylene	14.019	152	8039	0.209	ng		99
17) Acenaphthene	14.361	154	4931	0.187	ng		97
18) Fluorene	15.355	166	6180	0.177	ng		99
20) 4,6-Dinitro-2-methylph...	15.419	198	226	0.108	ng	#	29
21) 4-Bromophenyl-phenylether	16.250	248	1831	0.177	ng		96
22) Hexachlorobenzene	16.349	284	2122	0.183	ng		99
23) Atrazine	16.523	200	1721	0.210	ng		97
24) Pentachlorophenol	16.697	266	843	0.180	ng		97
25) Phenanthrene	17.081	178	9012	0.181	ng		98
26) Anthracene	17.168	178	8941	0.203	ng		99
28) Fluoranthene	19.108	202	10692	0.174	ng		100
30) Pyrene	19.466	202	11241	0.194	ng		100
32) Benzo(a)anthracene	21.214	228	10357	0.191	ng		100
33) Chrysene	21.268	228	9880	0.181	ng		98
34) Bis(2-ethylhexyl)phtha...	21.196	149	7211	0.292	ng		99
36) Indeno(1,2,3-cd)pyrene	25.668	276	12523	0.178	ng		99
37) Benzo(b)fluoranthene	22.782	252	10904	0.171	ng	#	92
38) Benzo(k)fluoranthene	22.829	252	10712	0.164	ng	#	92
39) Benzo(a)pyrene	23.347	252	9771	0.181	ng	#	90
40) Dibenzo(a,h)anthracene	25.691	278	10102	0.182	ng		93
41) Benzo(g,h,i)perylene	26.335	276	10783	0.175	ng	#	91

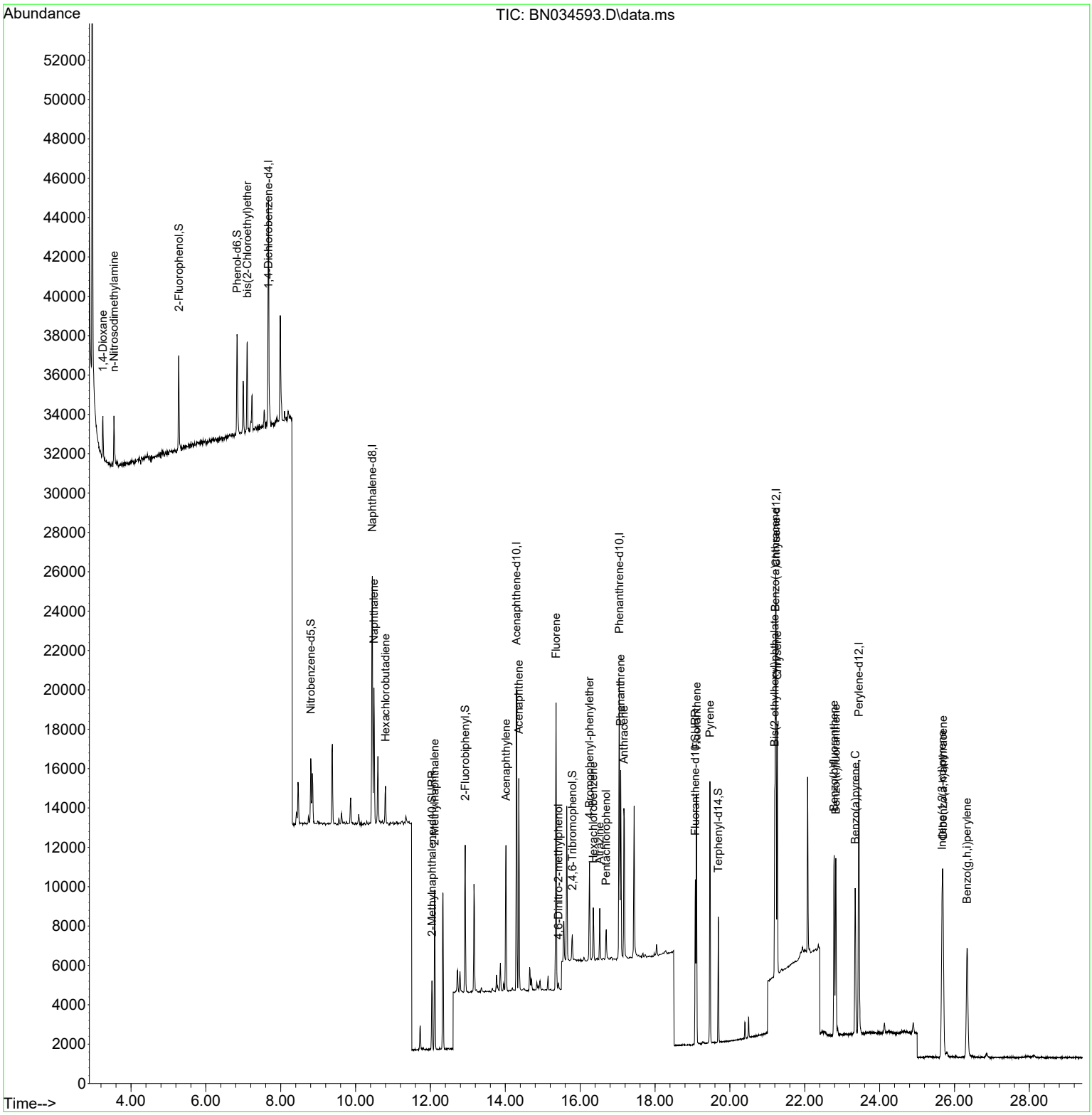
(#) = qualifier out of range (m) = manual integration (+) = signals summed

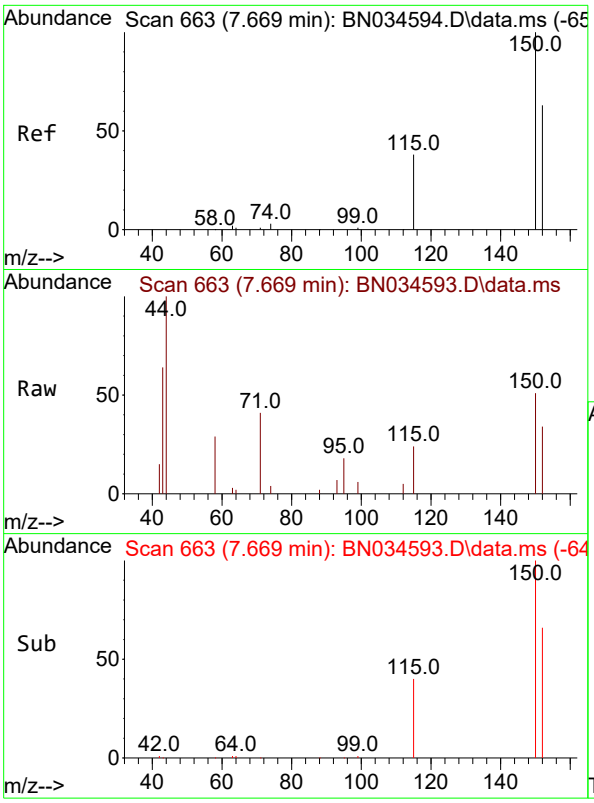
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101524\
Data File : BN034593.D
Acq On : 15 Oct 2024 17:49
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Oct 16 00:02:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 23:53:04 2024
Response via : Initial Calibration



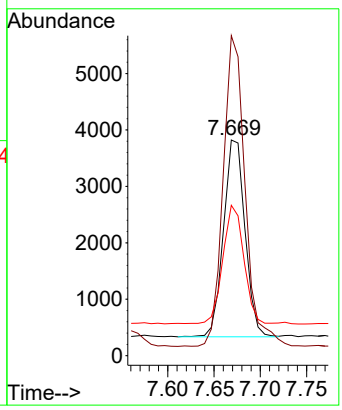


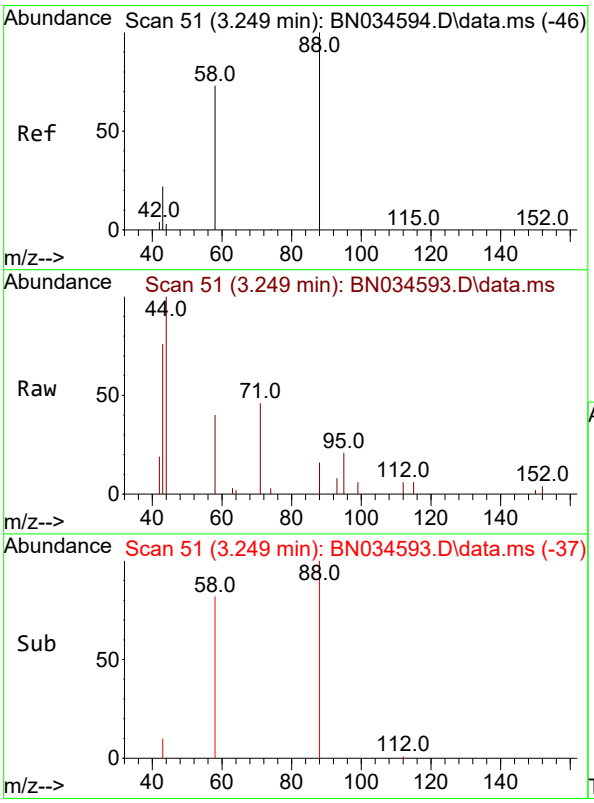
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.669 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 5642

Ion	Ratio	Lower	Upper
152	100		
150	148.4	119.8	179.6
115	69.7	55.8	83.6

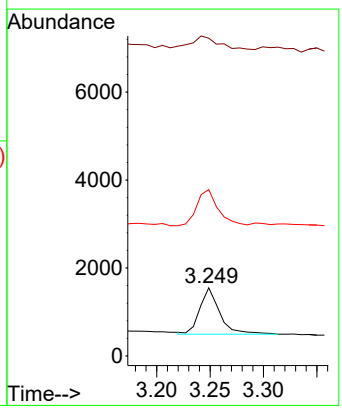


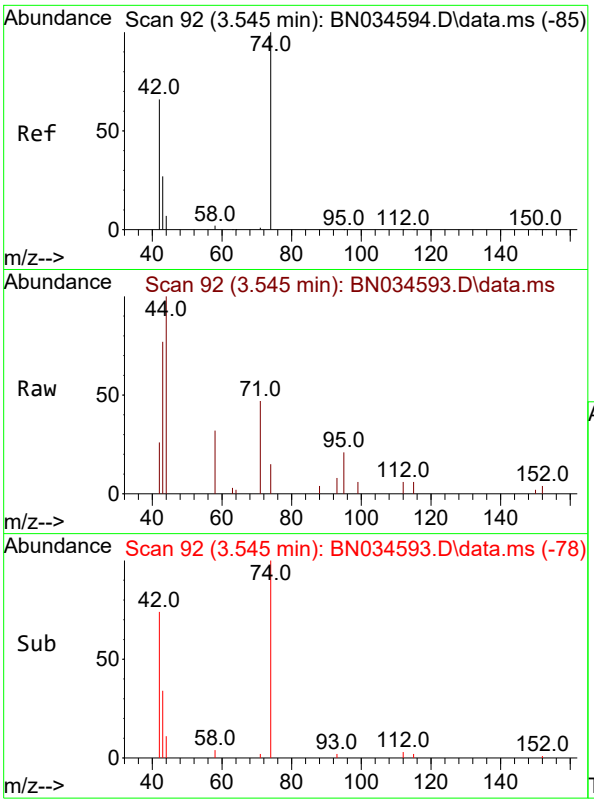


#2
1,4-Dioxane
Concen: 0.220 ng
RT: 3.249 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion: 88 Resp: 1379

Ion	Ratio	Lower	Upper
88	100		
43	38.4	27.7	41.5
58	82.3	68.4	102.6



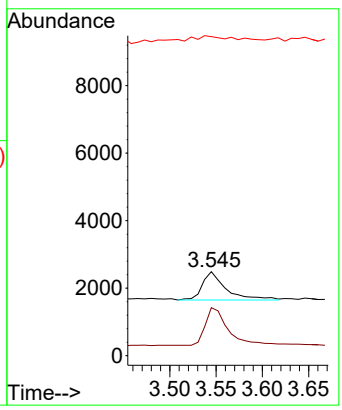


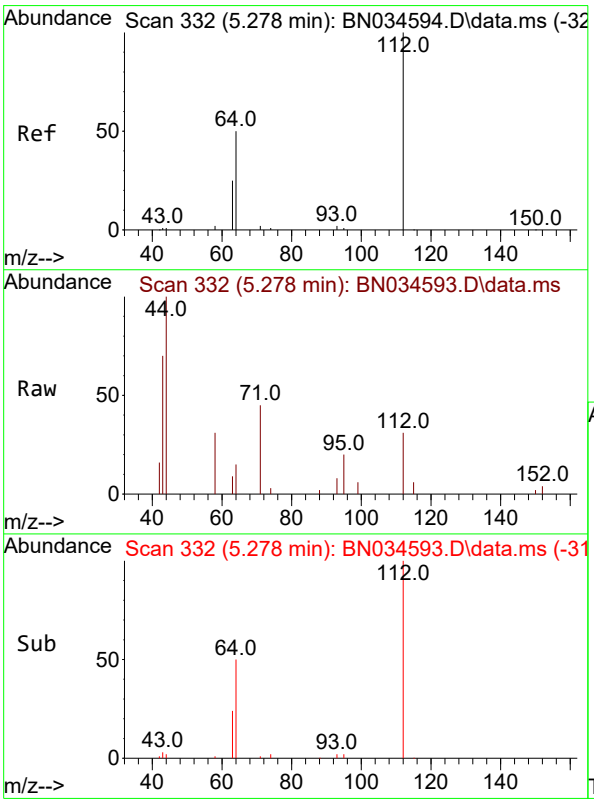
#3
n-Nitrosodimethylamine
Concen: 0.183 ng
RT: 3.545 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 1479

Ion	Ratio	Lower	Upper
42	100		
74	128.5	112.0	168.0
44	52.3	7.1	10.7#

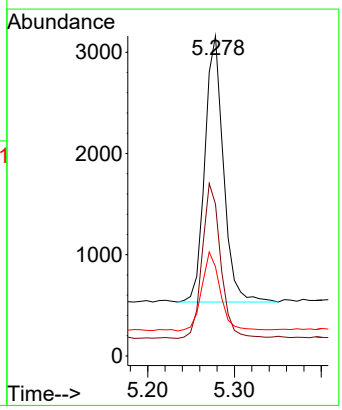


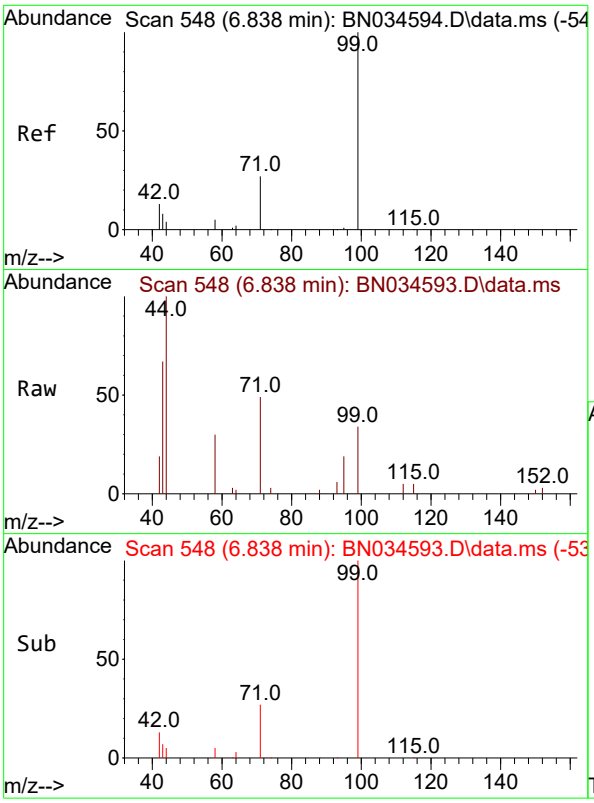


#4
2-Fluorophenol
Concen: 0.251 ng
RT: 5.278 min Scan# 332
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:112 Resp: 3914

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.6	70.0
63	29.9	23.0	34.6



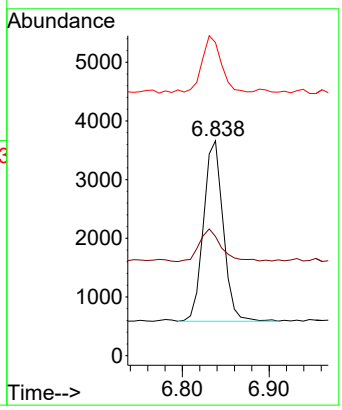


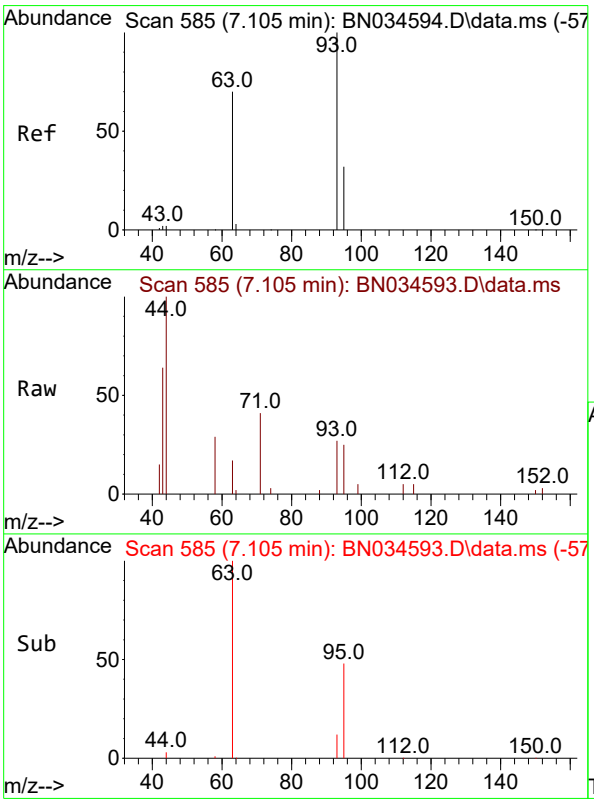
#5
Phenol-d6
Concen: 0.231 ng
RT: 6.838 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 4861

Ion	Ratio	Lower	Upper
99	100		
42	20.4	15.0	22.4
71	32.1	25.4	38.0

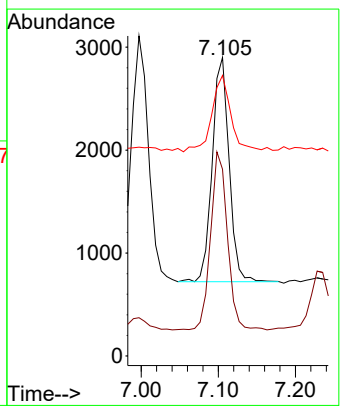


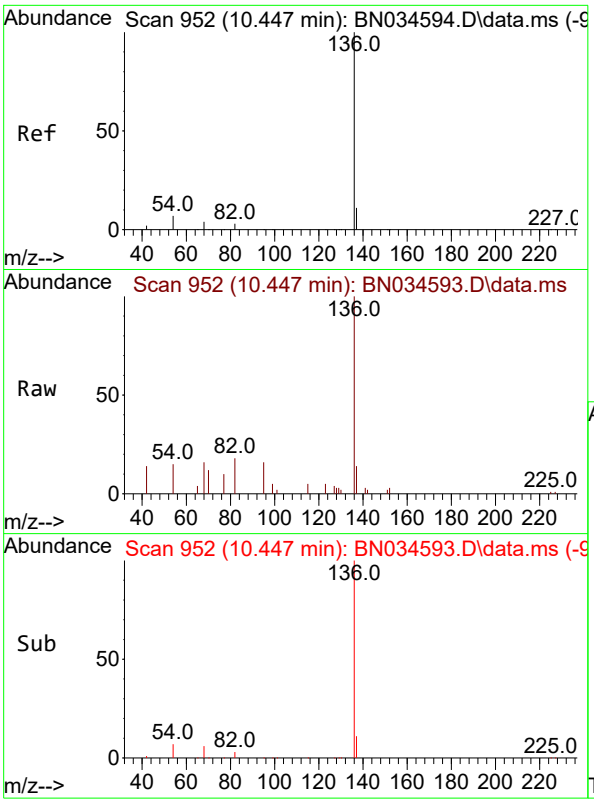


#6
bis(2-Chloroethyl)ether
Concen: 0.193 ng
RT: 7.105 min Scan# 585
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion: 93 Resp: 3297

Ion	Ratio	Lower	Upper
93	100		
63	79.0	63.0	94.4
95	39.3	27.7	41.5



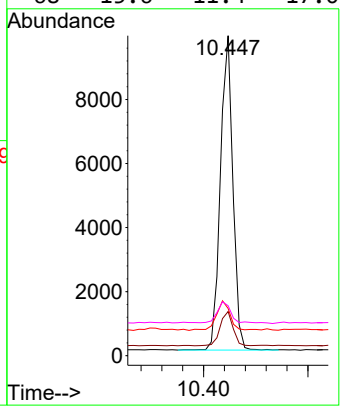


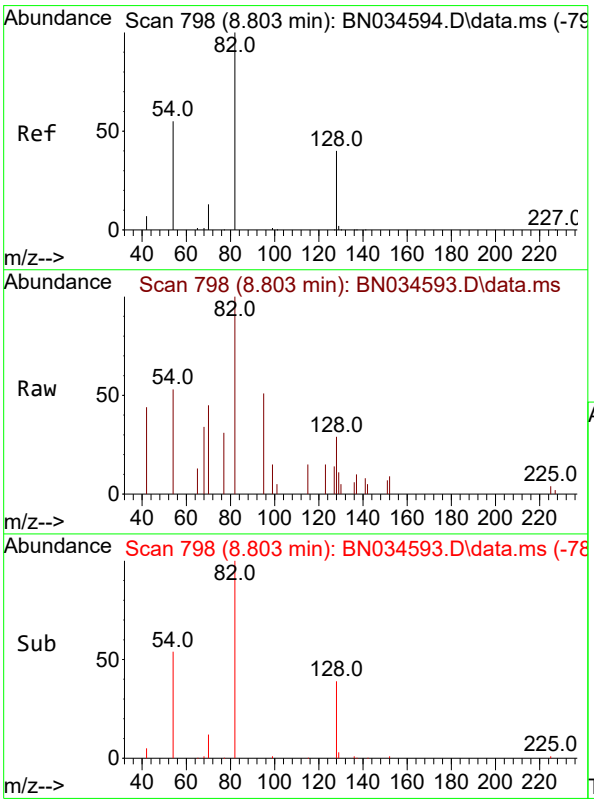
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.447 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 16309

Ion	Ratio	Lower	Upper
136	100		
137	13.8	10.7	16.1
54	14.7	11.6	17.4
68	15.6	11.4	17.0

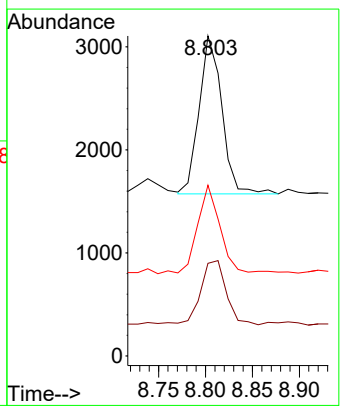


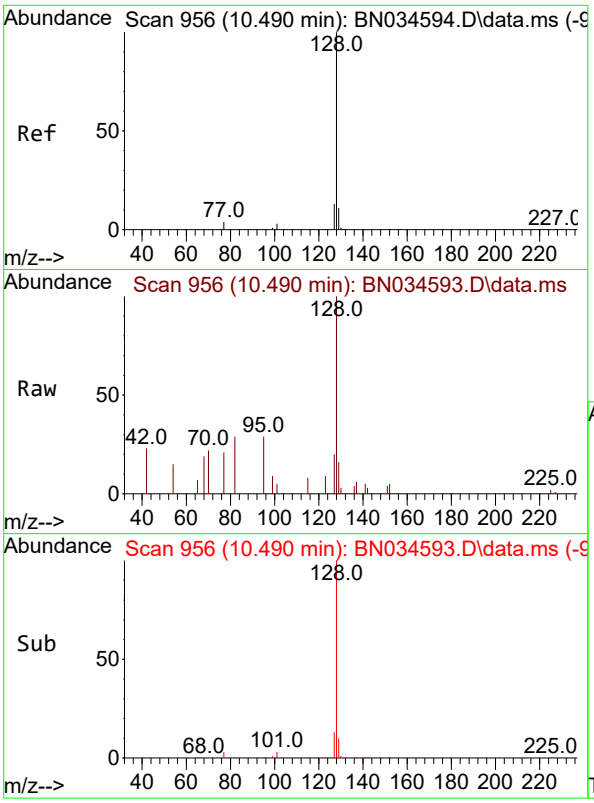


#8
Nitrobenzene-d5
Concen: 0.210 ng
RT: 8.803 min Scan# 798
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion: 82 Resp: 2578

Ion	Ratio	Lower	Upper
82	100		
128	28.9	27.0	40.4
54	53.3	43.7	65.5



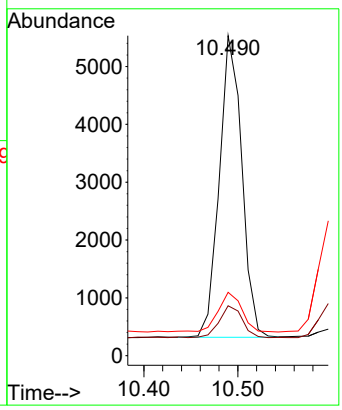


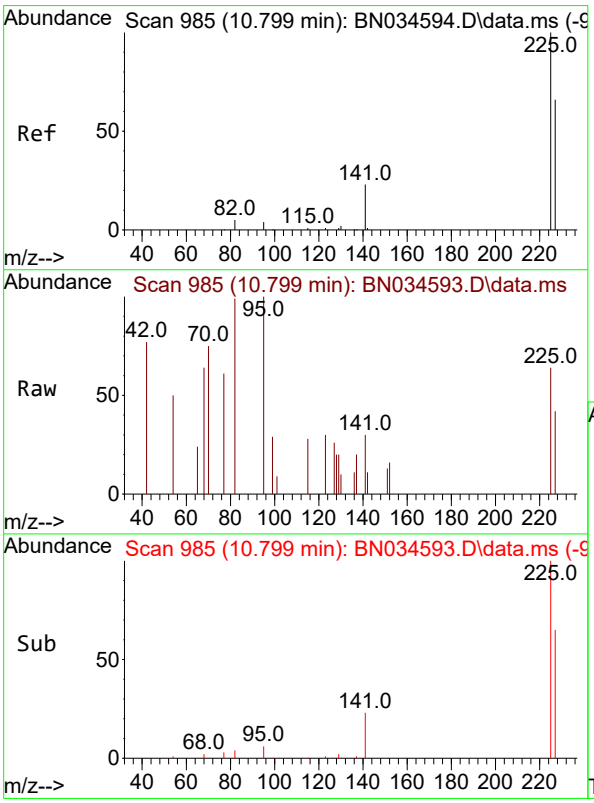
#9
Naphthalene
Concen: 0.193 ng
RT: 10.490 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 8690

Ion	Ratio	Lower	Upper
128	100		
129	15.6	10.6	15.8
127	19.8	12.8	19.2#

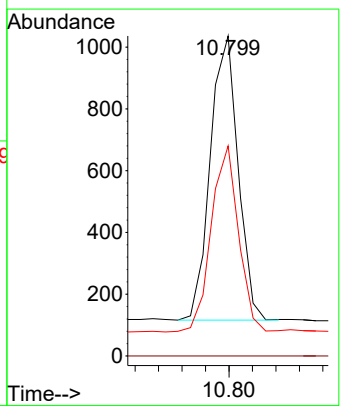


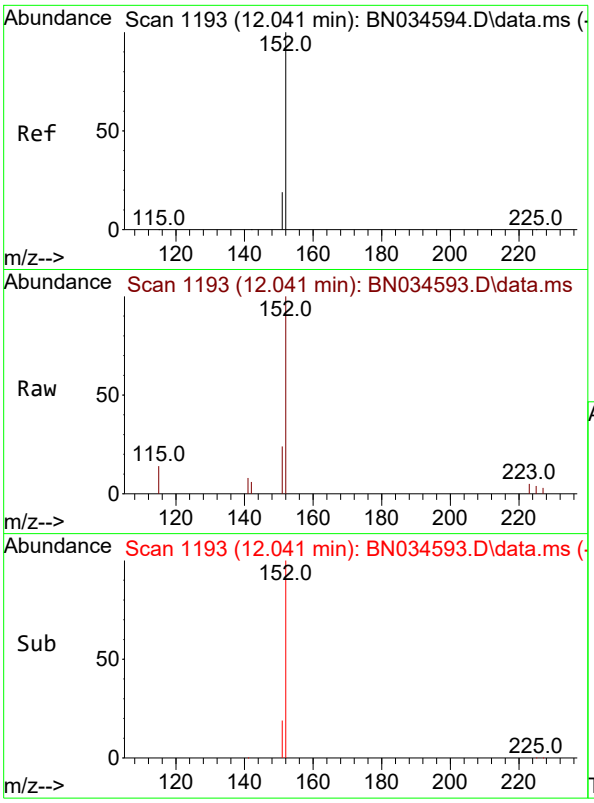


#10
Hexachlorobutadiene
Concen: 0.176 ng
RT: 10.799 min Scan# 985
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:225 Resp: 1512

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.5	77.3



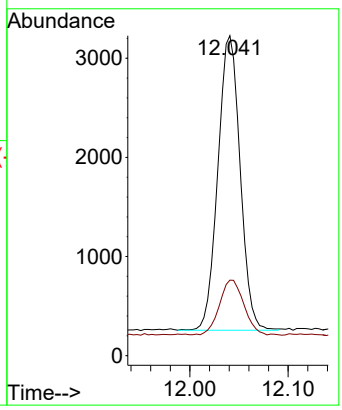


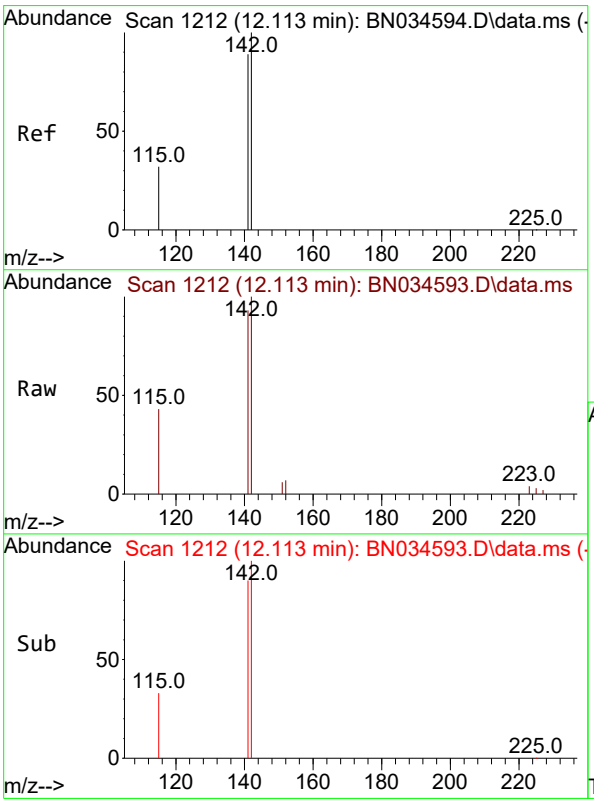
#11
2-Methylnaphthalene-d10
Concen: 0.186 ng
RT: 12.041 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 4677

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.0	25.4

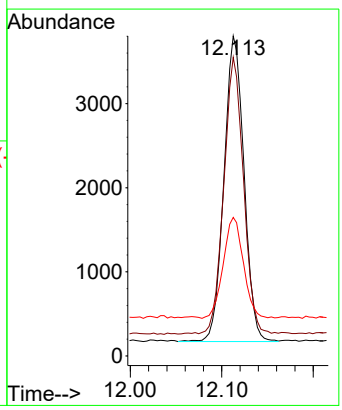


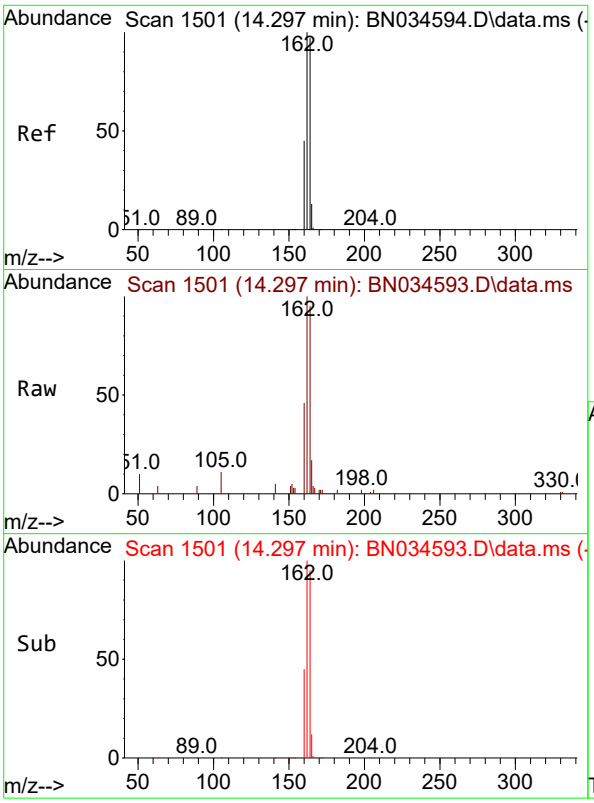


#12
2-Methylnaphthalene
Concen: 0.182 ng
RT: 12.113 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:142 Resp: 5529

Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.1	108.1
115	43.3	30.0	45.0



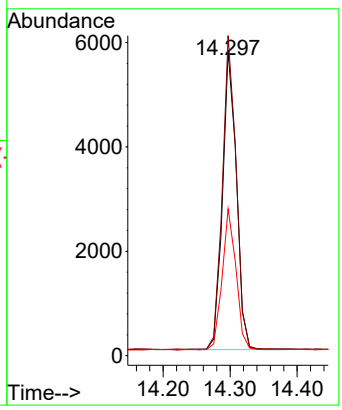


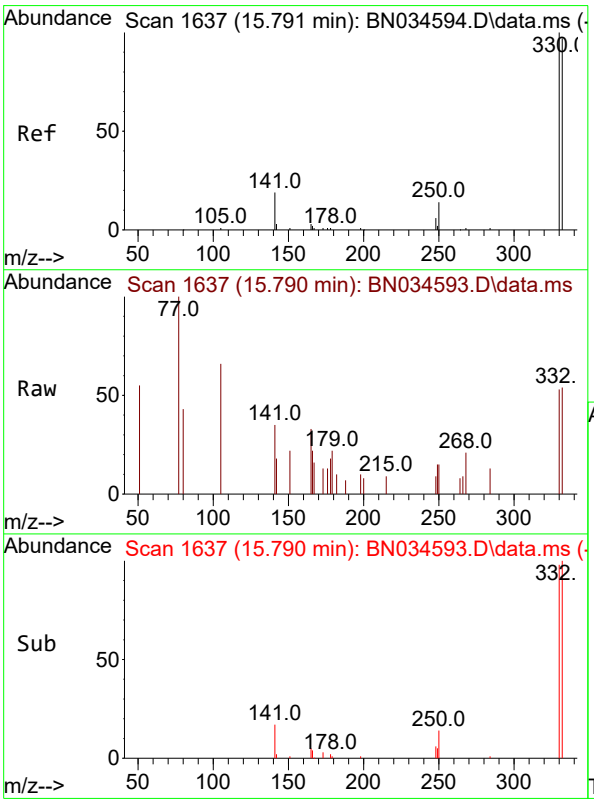
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.297 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 8250

Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.5	123.7
160	48.2	37.8	56.6

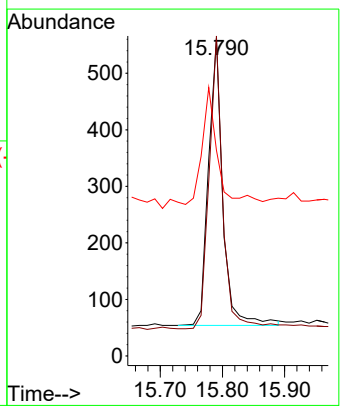


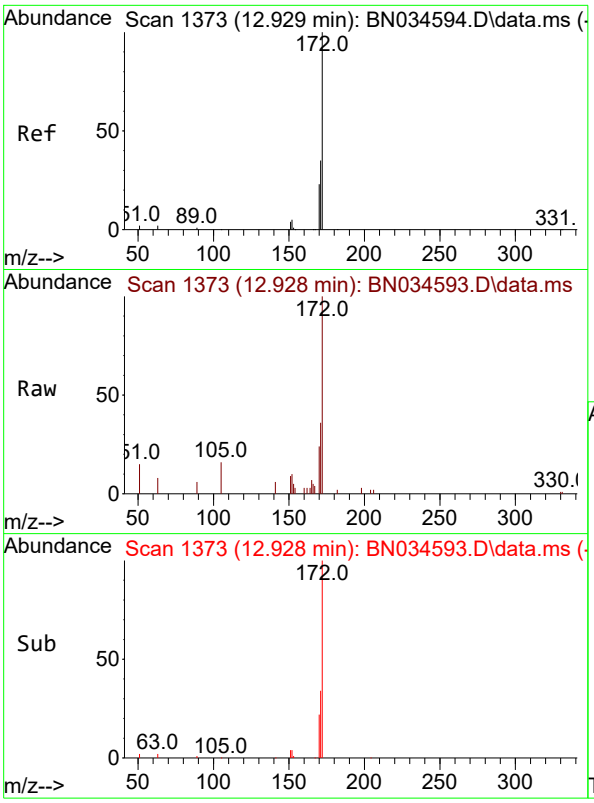


#14
2,4,6-Tribromophenol
Concen: 0.191 ng
RT: 15.790 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:330 Resp: 809

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.8	115.2
141	37.8	31.5	47.3



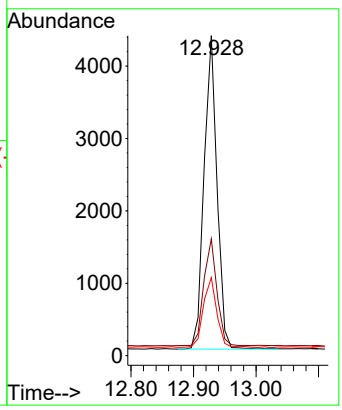


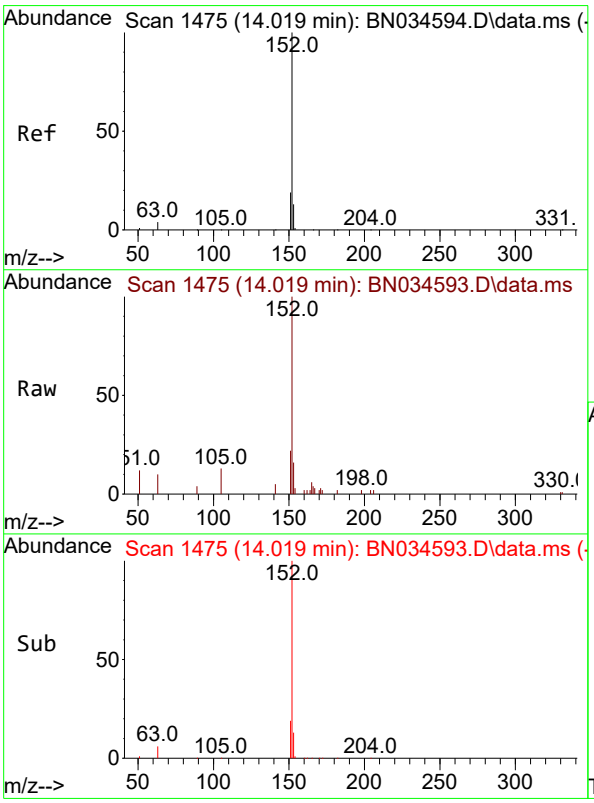
#15
2-Fluorobiphenyl
Concen: 0.184 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 6232

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.4	19.1	28.7

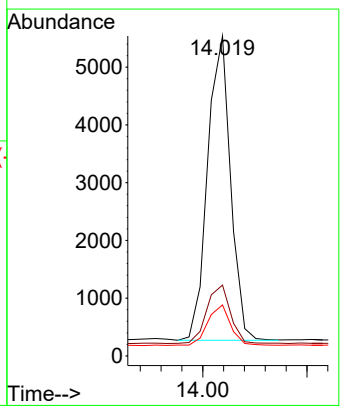


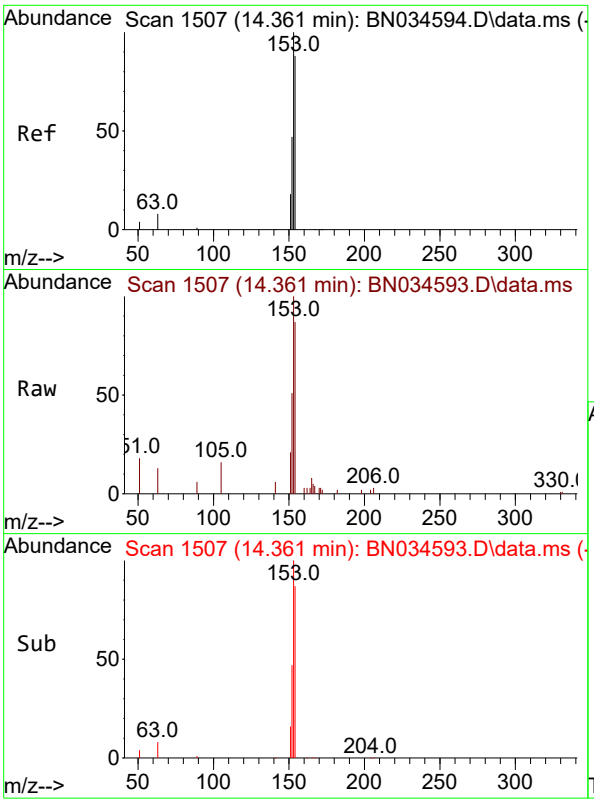


#16
Acenaphthylene
Concen: 0.209 ng
RT: 14.019 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:152 Resp: 8039

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.6	10.6	15.8



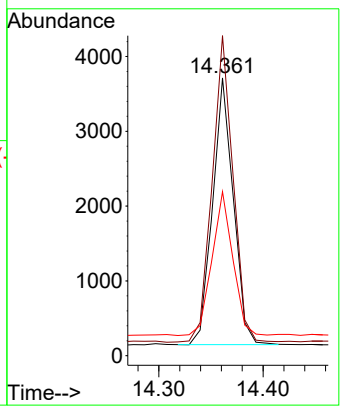


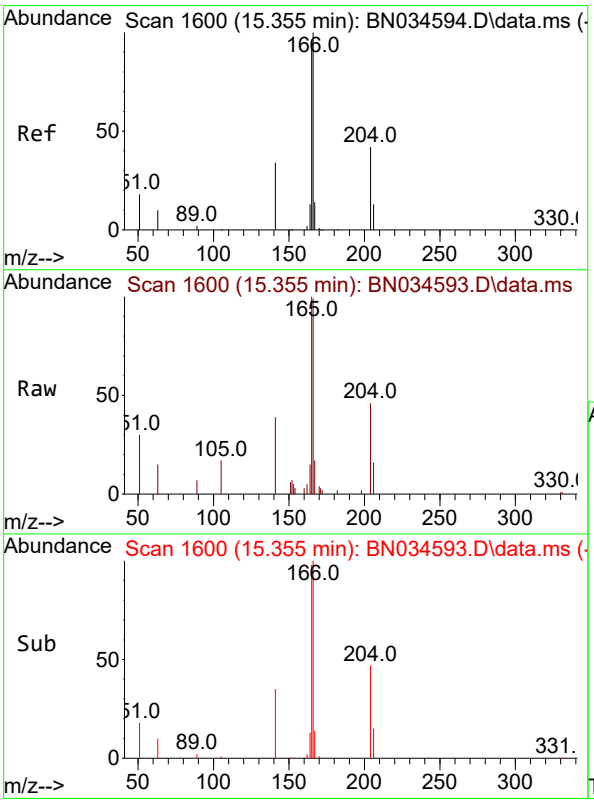
#17
Acenaphthene
Concen: 0.187 ng
RT: 14.361 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 4931

Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.0	133.6
152	54.1	41.8	62.6

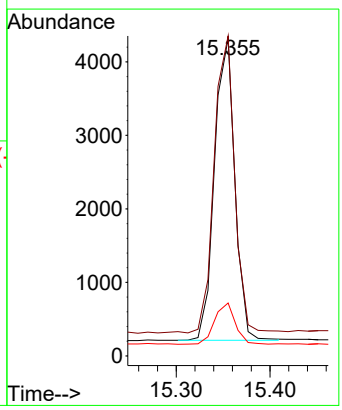


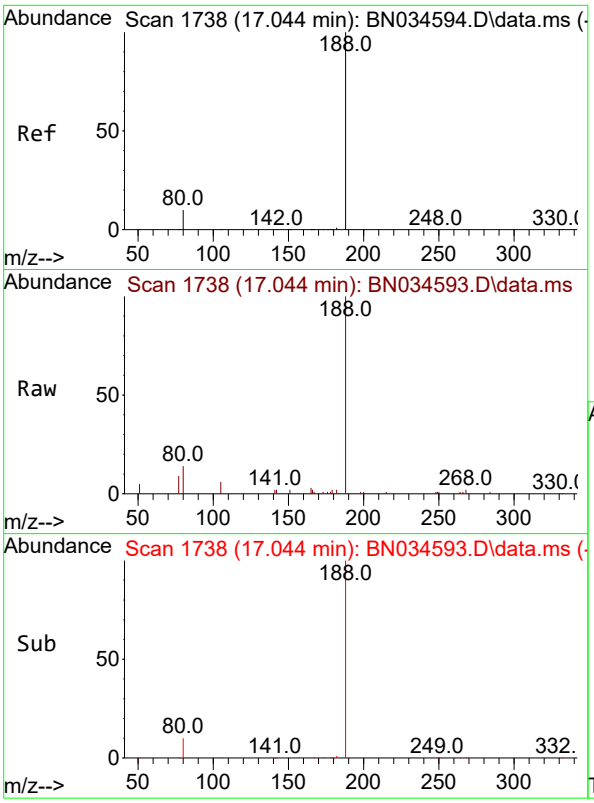


#18
Fluorene
Concen: 0.177 ng
RT: 15.355 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:166 Resp: 6180

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.7	118.1
167	13.9	10.9	16.3



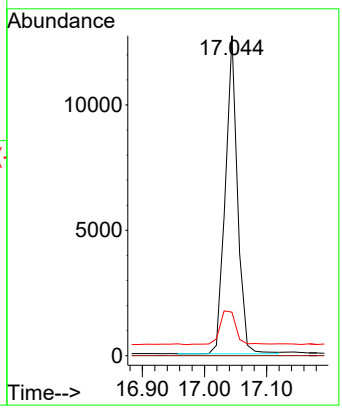


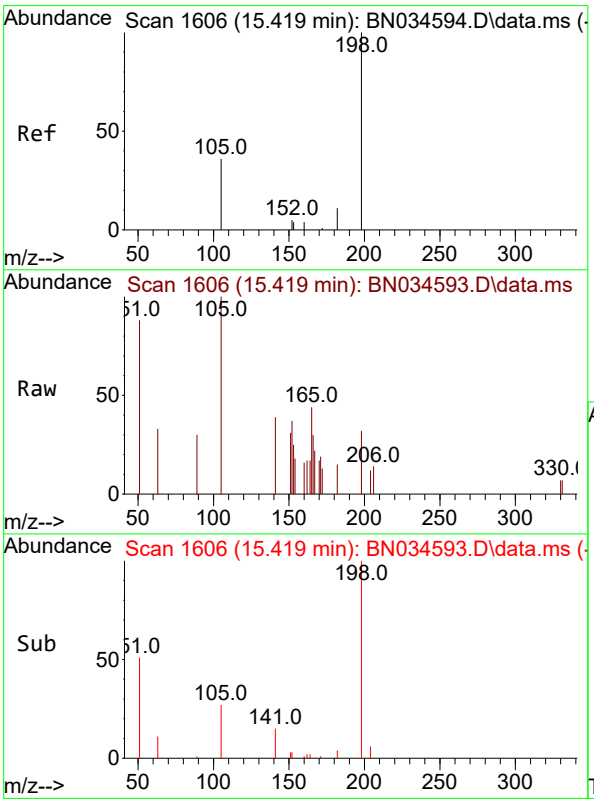
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.044 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 17255

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	11.0	16.6

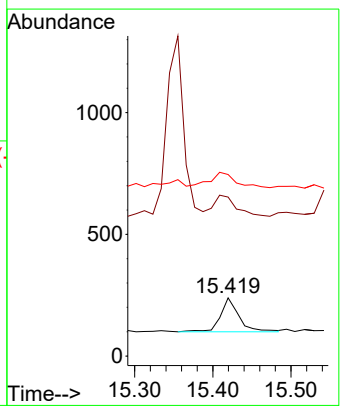


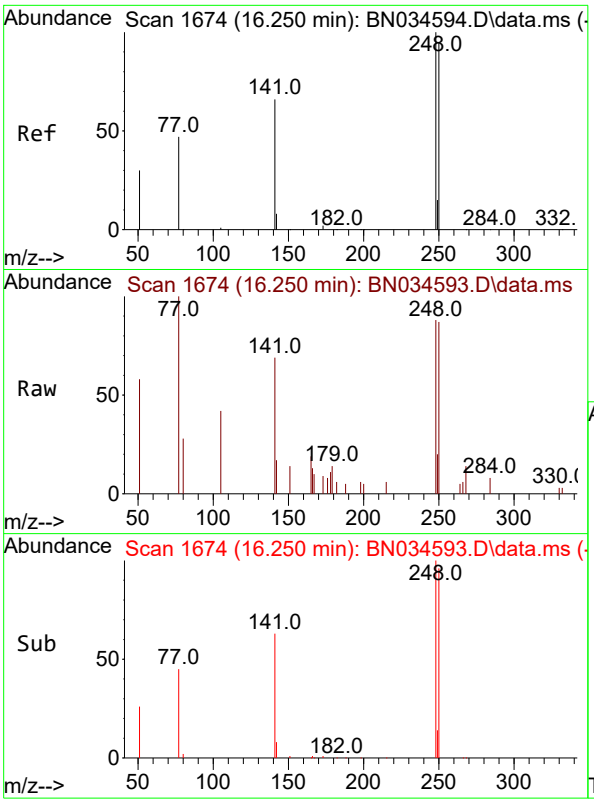


#20
4,6-Dinitro-2-methylphenol
Concen: 0.108 ng
RT: 15.419 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:198 Resp: 226

Ion	Ratio	Lower	Upper
198	100		
51	273.2	138.6	208.0#
105	312.1	163.8	245.8#



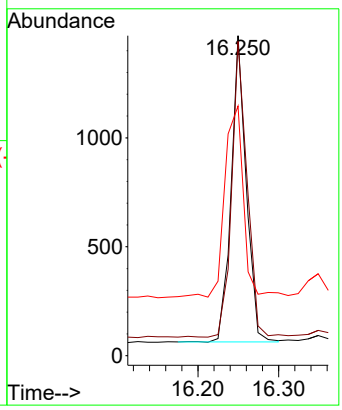


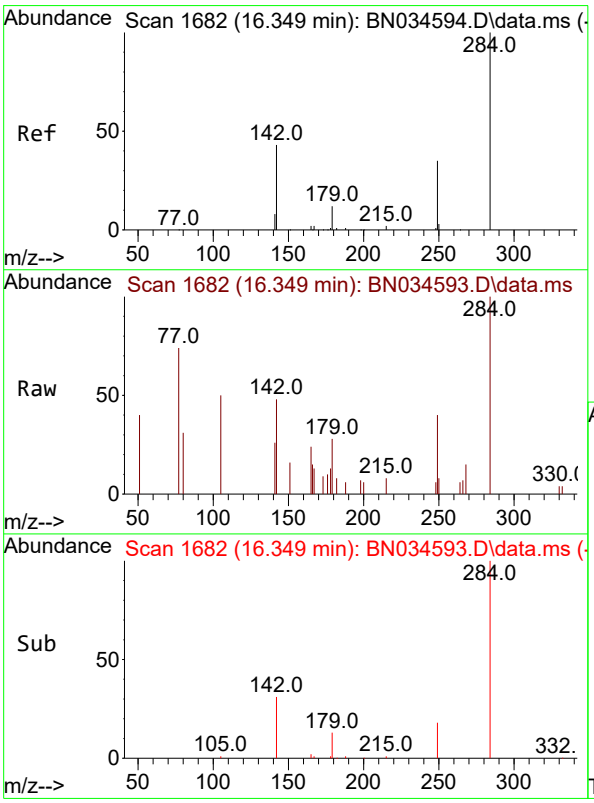
#21
4-Bromophenyl-phenylether
Concen: 0.177 ng
RT: 16.250 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1831

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.9	115.3
141	78.0	58.7	88.1

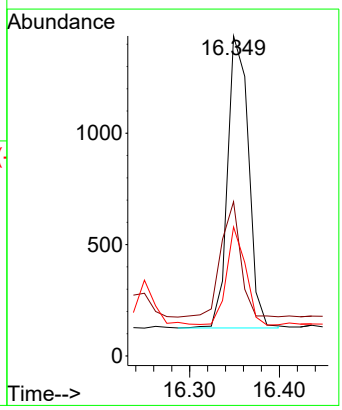


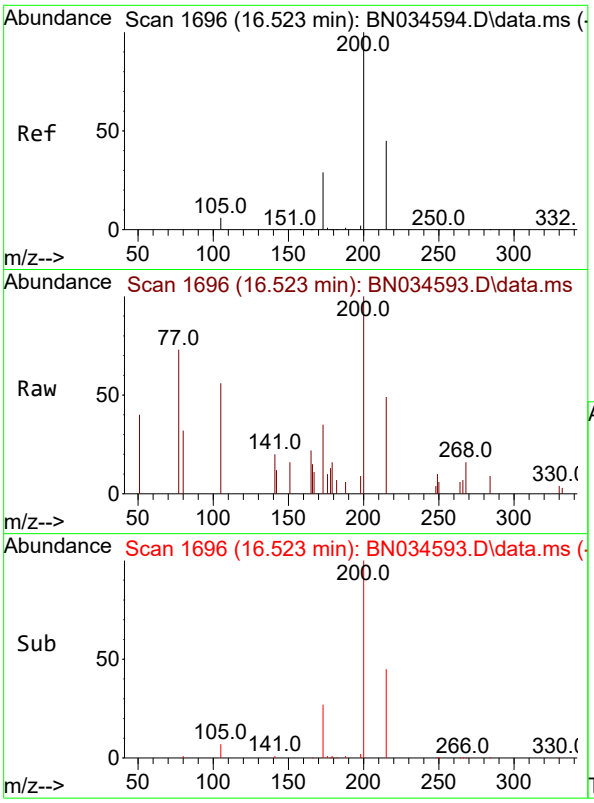


#22
Hexachlorobenzene
Concen: 0.183 ng
RT: 16.349 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:284 Resp: 2122

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.1	43.7
249	30.6	24.6	36.8



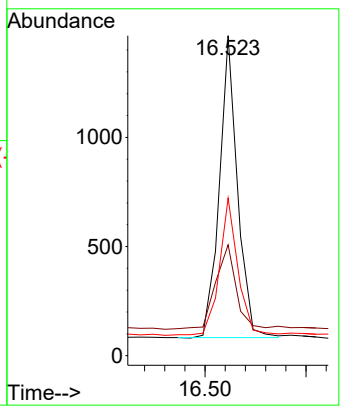


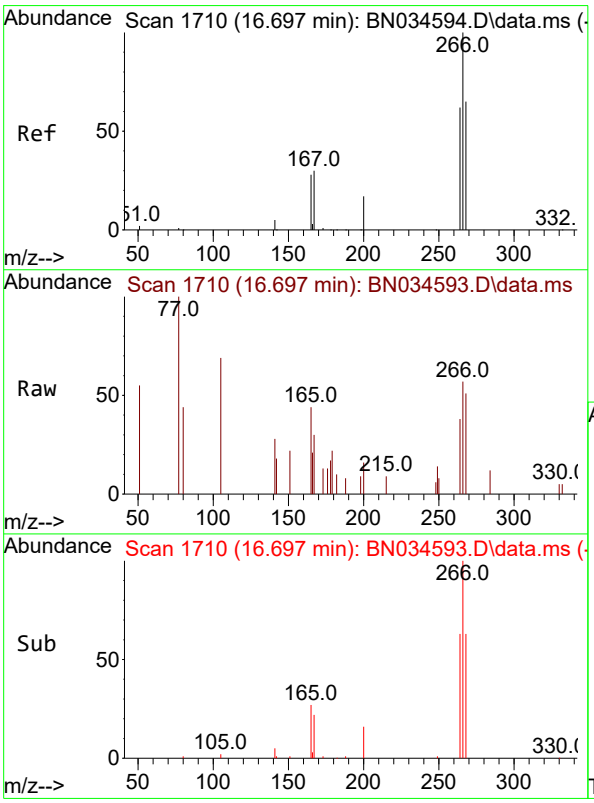
#23
Atrazine
Concen: 0.210 ng
RT: 16.523 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 1721

Ion	Ratio	Lower	Upper
200	100		
173	34.7	26.0	39.0
215	49.2	37.9	56.9

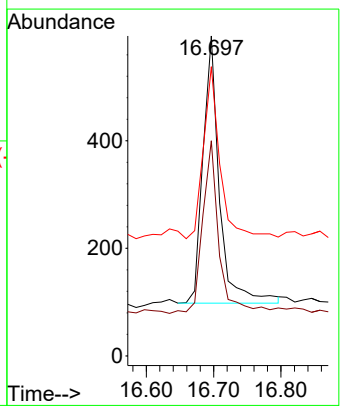


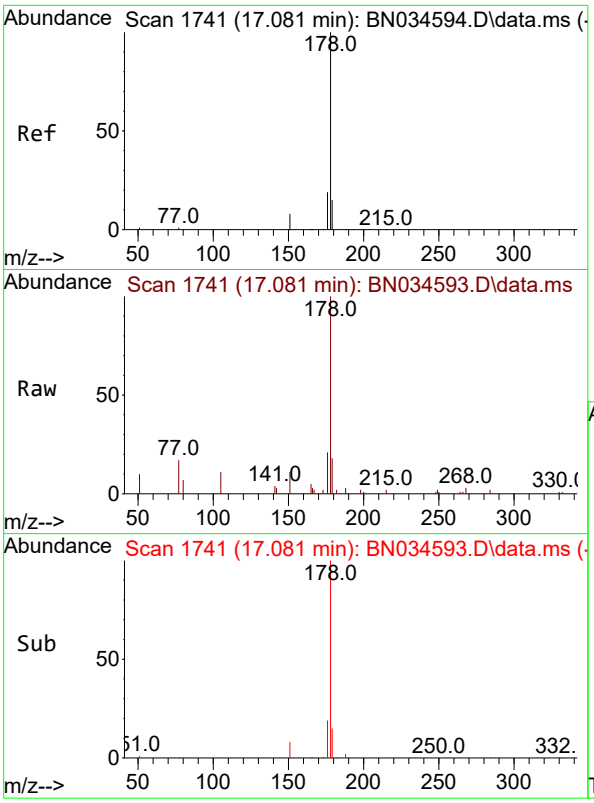


#24
Pentachlorophenol
Concen: 0.180 ng
RT: 16.697 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:266 Resp: 843

Ion	Ratio	Lower	Upper
266	100		
264	64.3	49.9	74.9
268	65.1	49.7	74.5



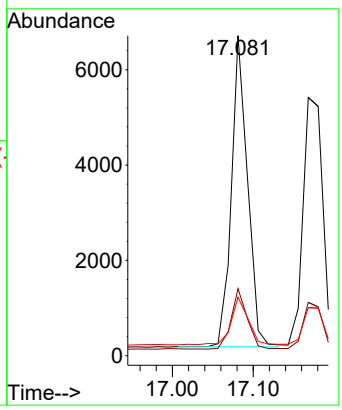


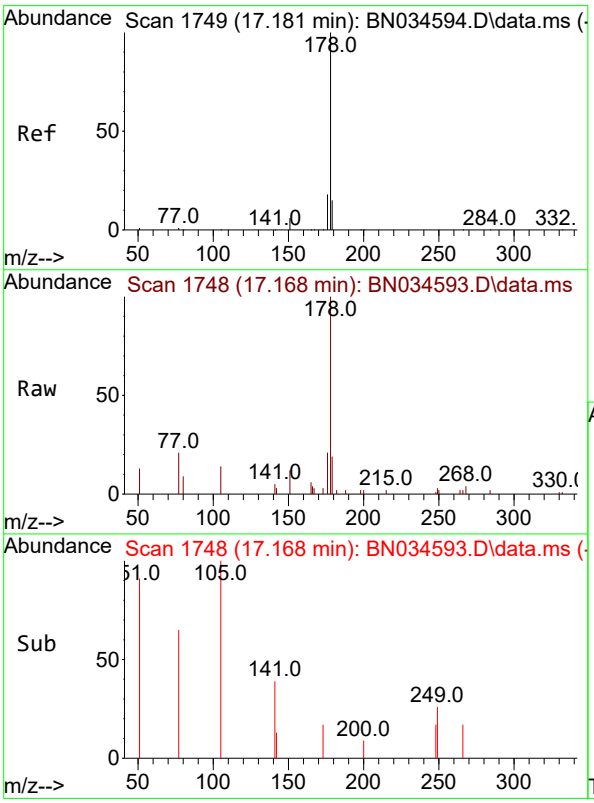
#25
Phenanthrene
Concen: 0.181 ng
RT: 17.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 9012

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	16.2	12.2	18.2

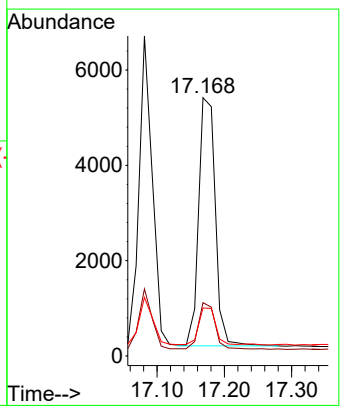


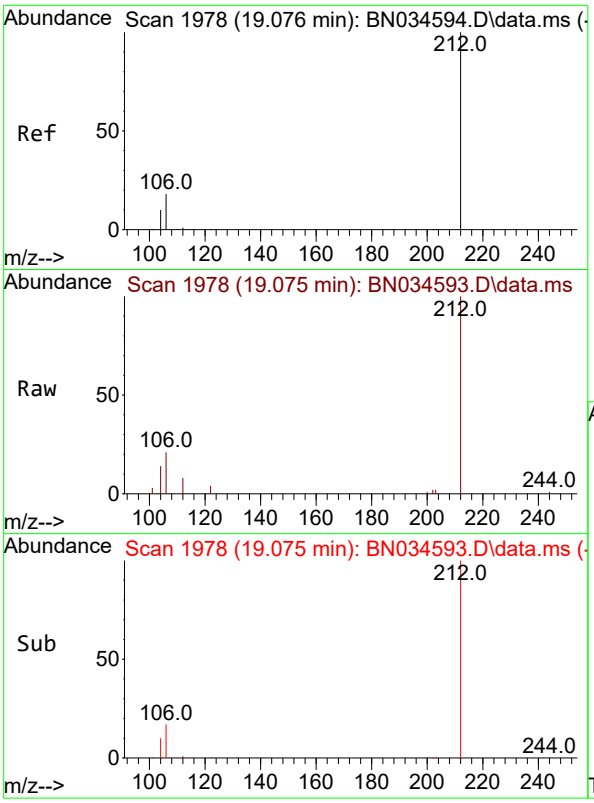


#26
Anthracene
Concen: 0.203 ng
RT: 17.168 min Scan# 1748
Delta R.T. -0.013 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:178 Resp: 8941

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	14.8	11.8	17.6



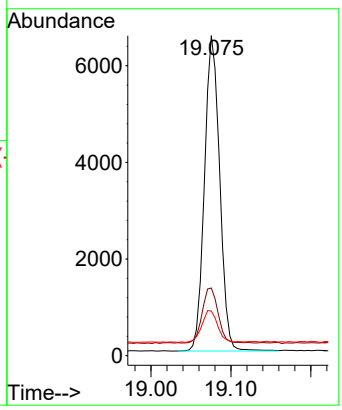


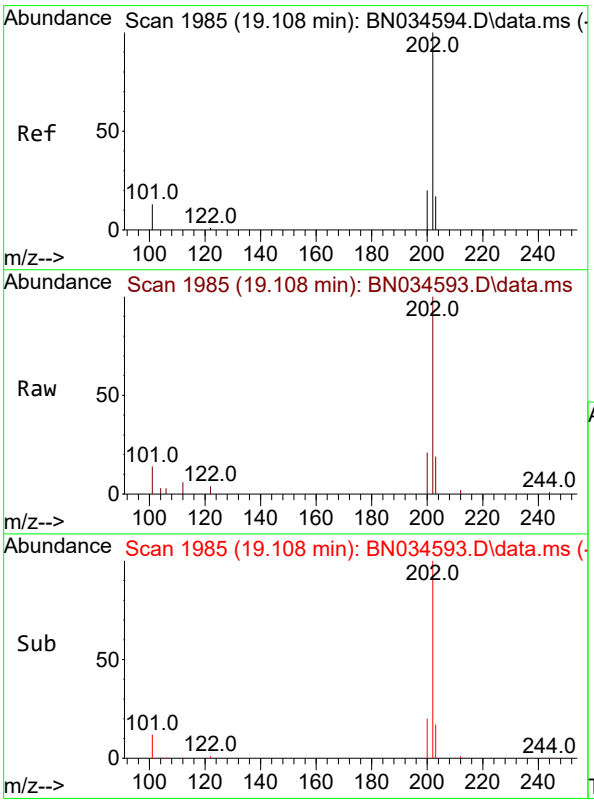
#27
Fluoranthene-d10
Concen: 0.187 ng
RT: 19.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 8646

Ion	Ratio	Lower	Upper
212	100		
106	18.2	14.7	22.1
104	10.6	8.3	12.5

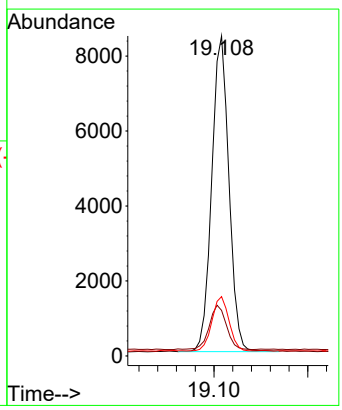


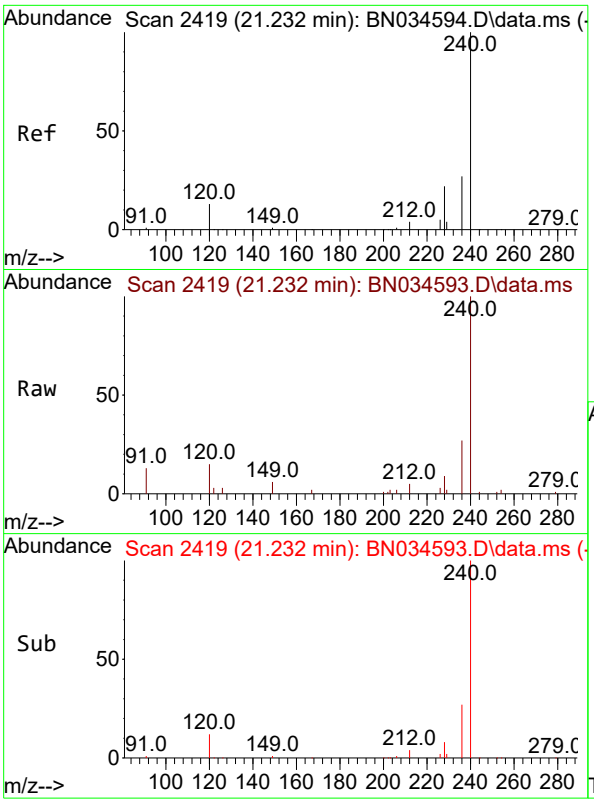


#28
Fluoranthene
Concen: 0.174 ng
RT: 19.108 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:202 Resp: 10692

Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.2	16.8
203	17.1	13.7	20.5



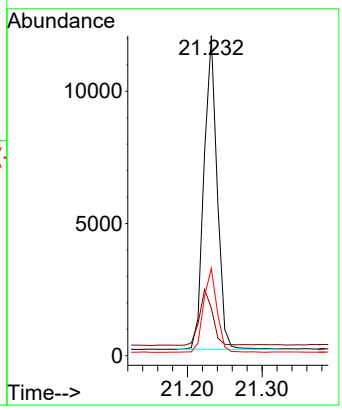


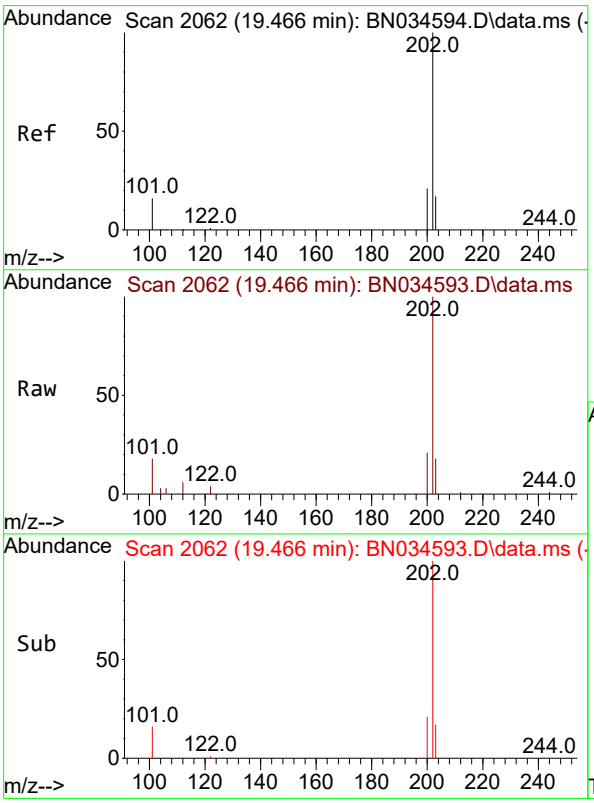
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.232 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 14524

Ion	Ratio	Lower	Upper
240	100		
120	14.9	12.7	19.1
236	27.3	21.9	32.9

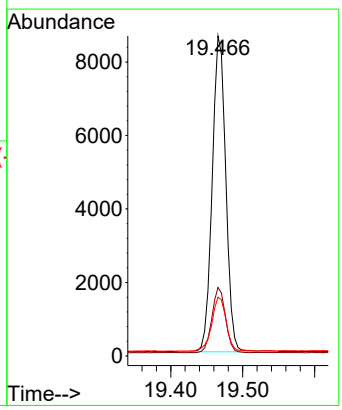


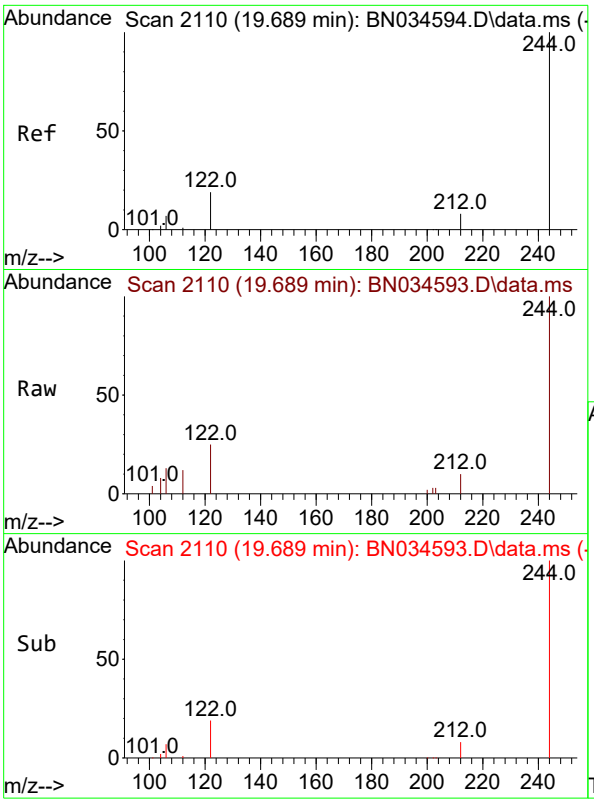


#30
Pyrene
Concen: 0.194 ng
RT: 19.466 min Scan# 2062
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:202 Resp: 11241

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	18.0	14.2	21.4



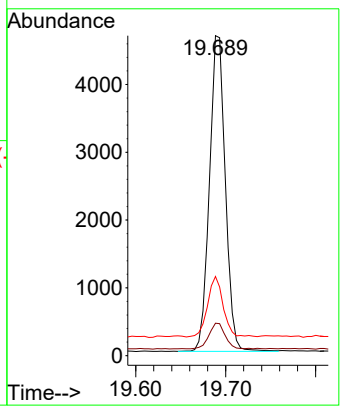


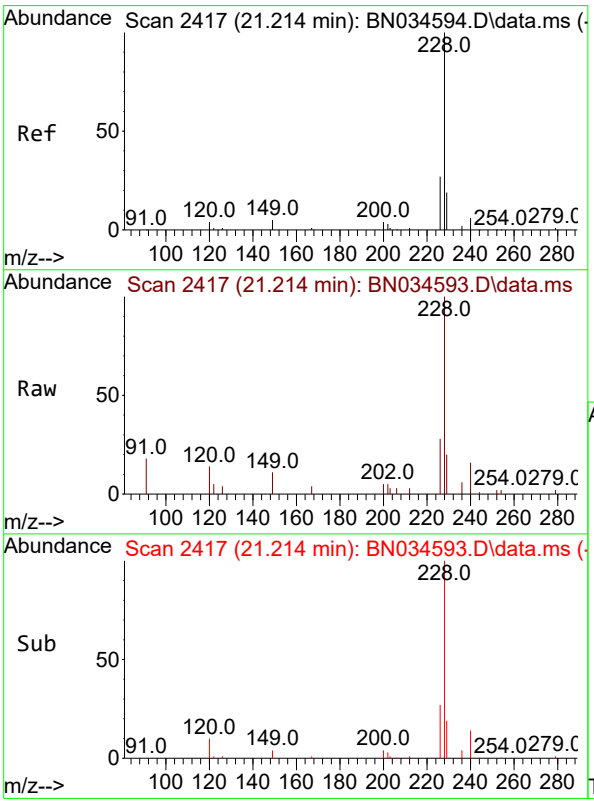
#31
Terphenyl-d14
Concen: 0.208 ng
RT: 19.689 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 5718

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.1	10.7
122	24.7	17.2	25.8

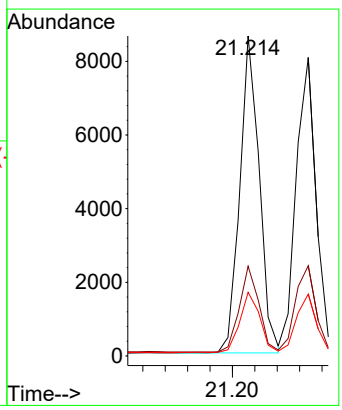


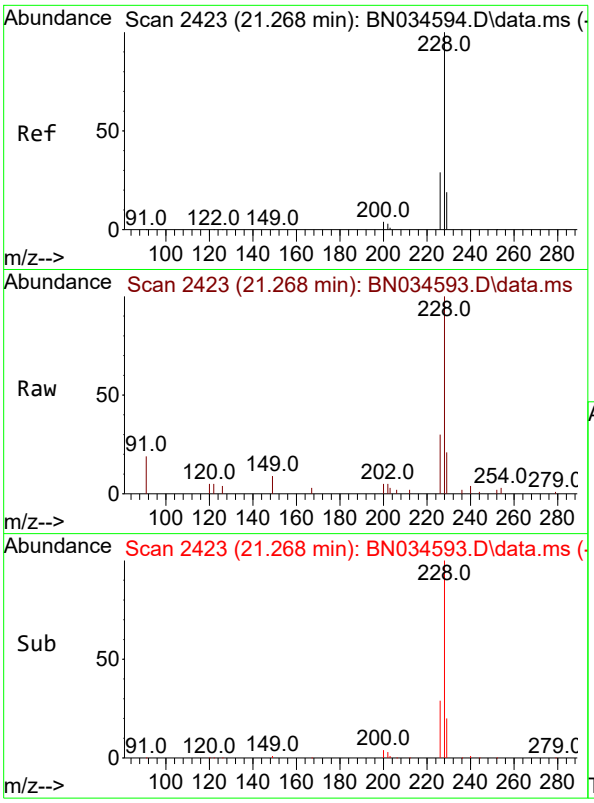


#32
Benzo(a)anthracene
Concen: 0.191 ng
RT: 21.214 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:228 Resp: 10357

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.9	15.8	23.8



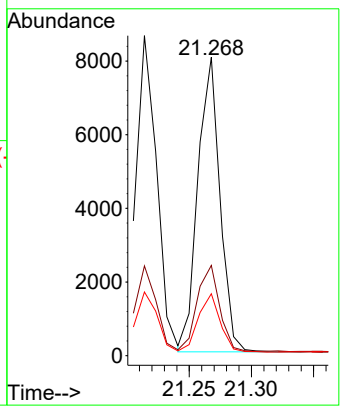


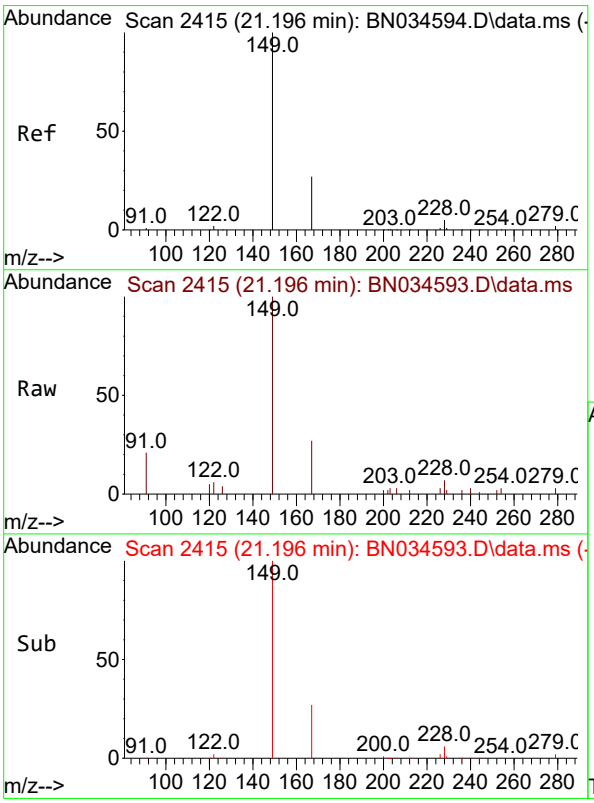
#33
Chrysene
Concen: 0.181 ng
RT: 21.268 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 9880

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	20.8	15.4	23.2

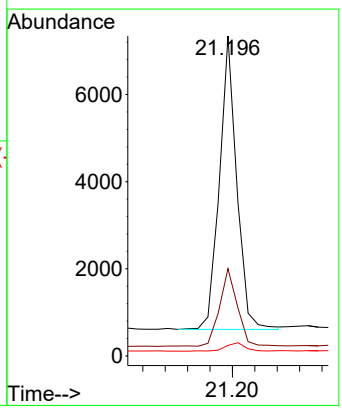


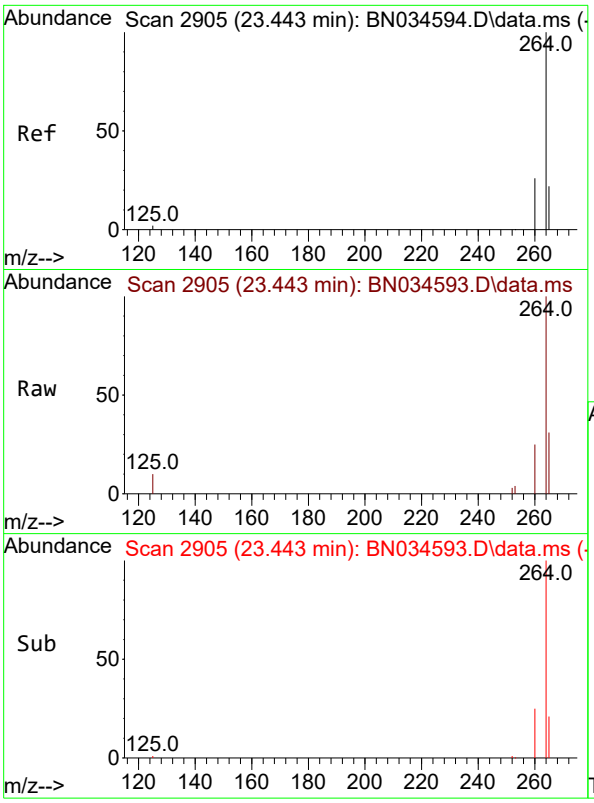


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.196 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:149 Resp: 7211

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.7	32.5
279	3.2	2.3	3.5



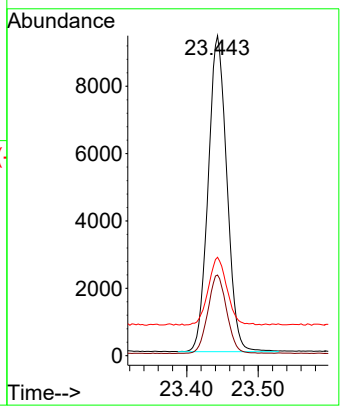


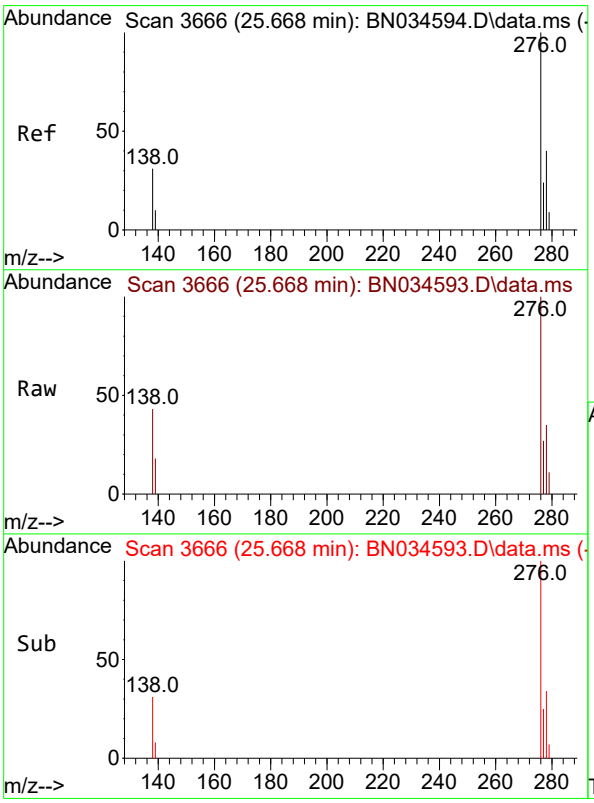
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.443 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 16985

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.9	31.3
265	30.8	26.6	40.0

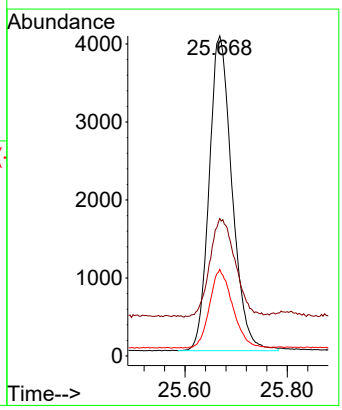


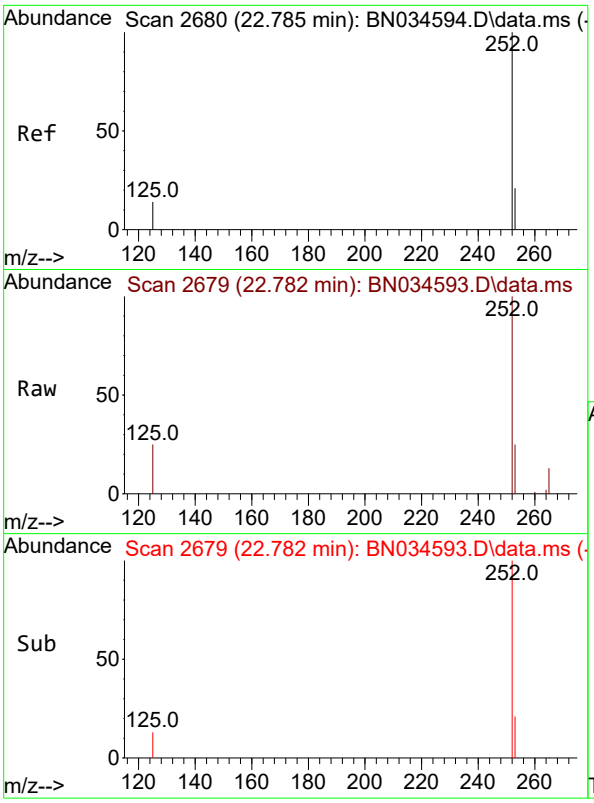


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.178 ng
RT: 25.668 min Scan# 3666
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:276 Resp: 12523

Ion	Ratio	Lower	Upper
276	100		
138	35.3	27.2	40.8
277	25.2	20.1	30.1



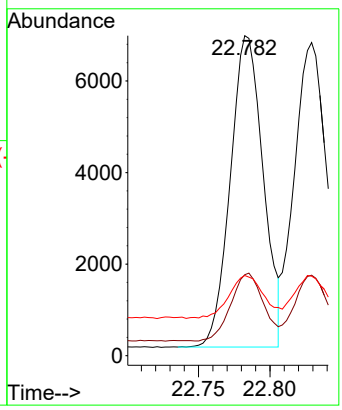


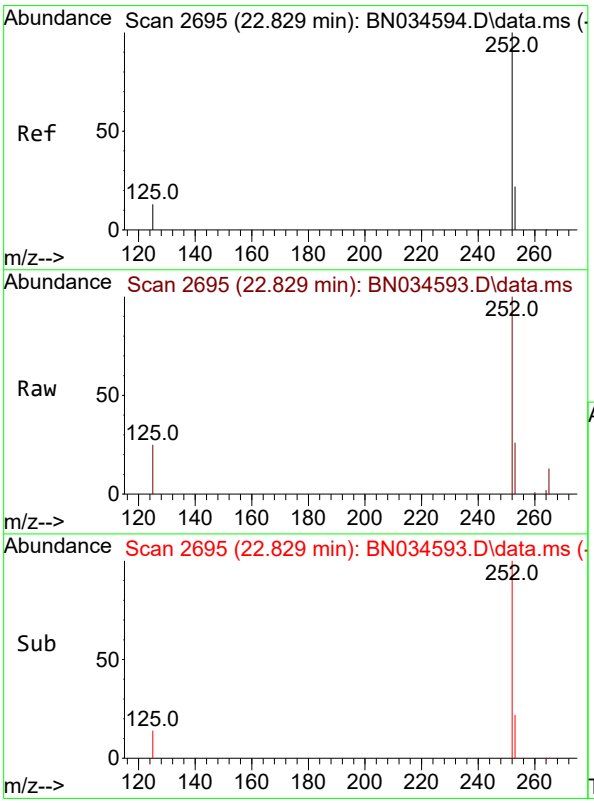
#37
Benzo(b)fluoranthene
Concen: 0.171 ng
RT: 22.782 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 10904

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.8	28.2
125	25.1	15.2	22.8#

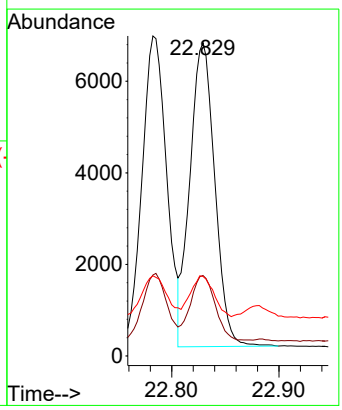


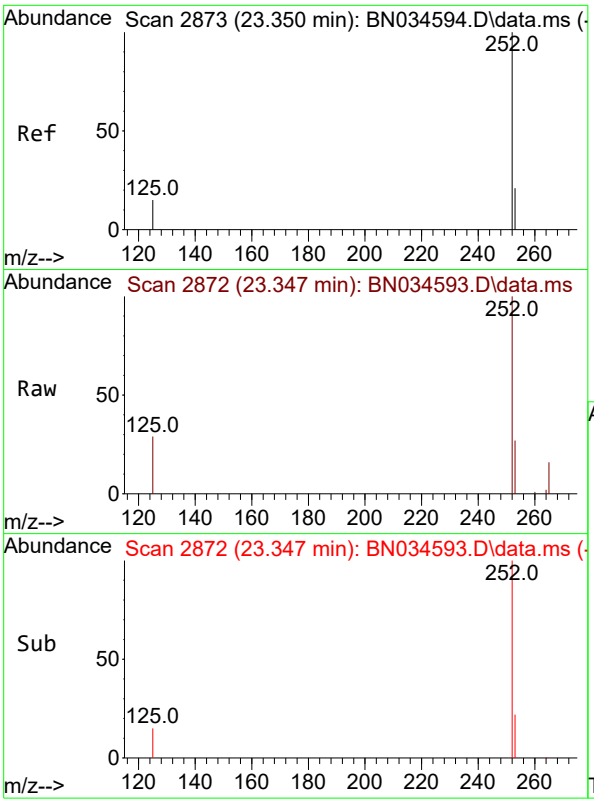


#38
Benzo(k)fluoranthene
Concen: 0.164 ng
RT: 22.829 min Scan# 2695
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:252 Resp: 10712

Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.1	28.7
125	25.4	15.4	23.0#



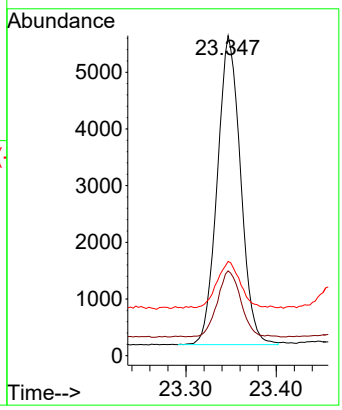


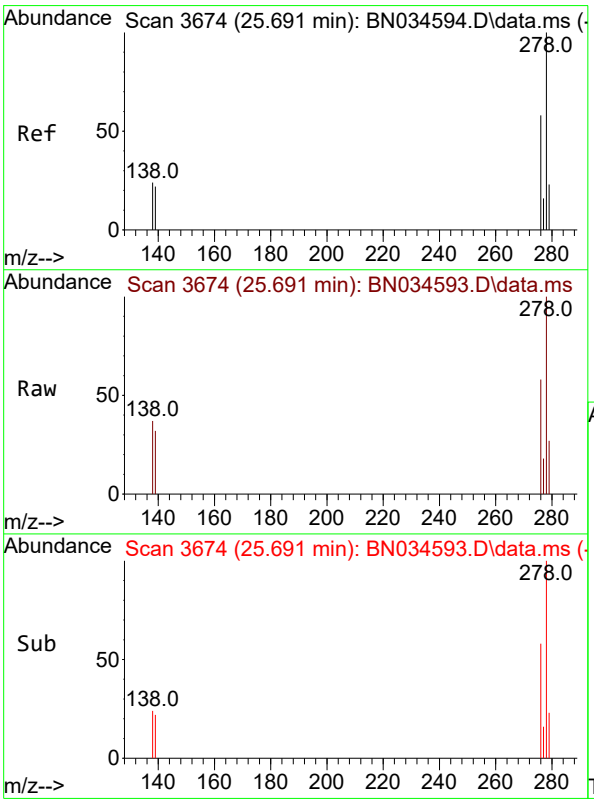
#39
Benzo(a)pyrene
Concen: 0.181 ng
RT: 23.347 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 9771

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.4	29.0
125	29.5	17.6	26.4#

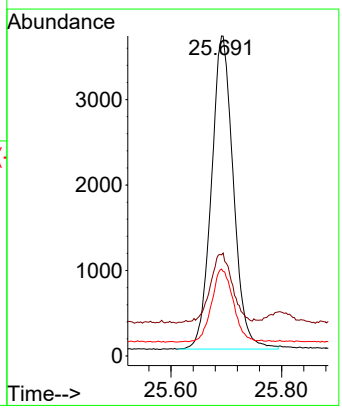


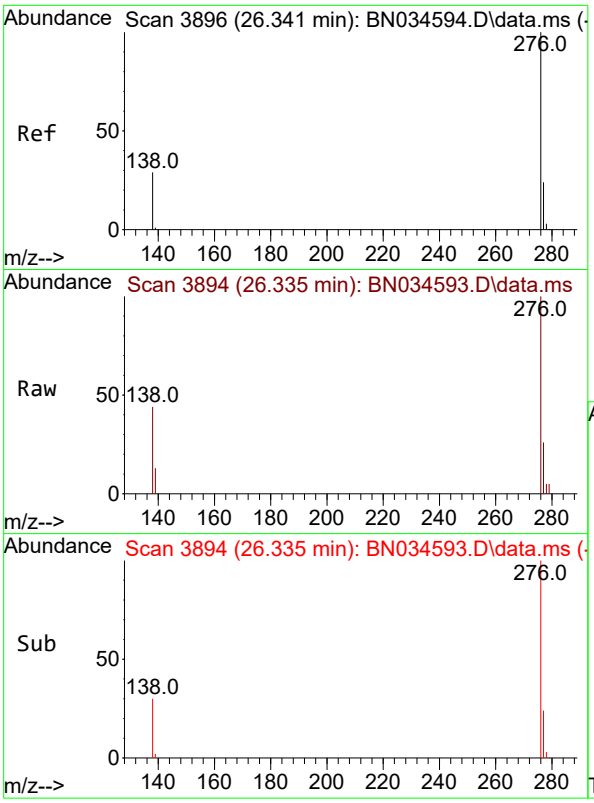


#40
Dibenzo(a,h)anthracene
Concen: 0.182 ng
RT: 25.691 min Scan# 3674
Delta R.T. -0.000 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Tgt Ion:278 Resp: 10102

Ion	Ratio	Lower	Upper
278	100		
139	31.6	21.4	32.0
279	27.2	20.2	30.4





#41
Benzo(g,h,i)perylene
Concen: 0.175 ng
RT: 26.335 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN034593.D
Acq: 15 Oct 2024 17:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 10783

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.9	29.9
138	43.6	28.3	42.5#