Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110724\
Data File : BN034887.D
Acq On : 07 Nov 2024 11:24
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Quant Time: Nov 07 14:40:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 14:34:20 2024
Response via : Initial Calibration

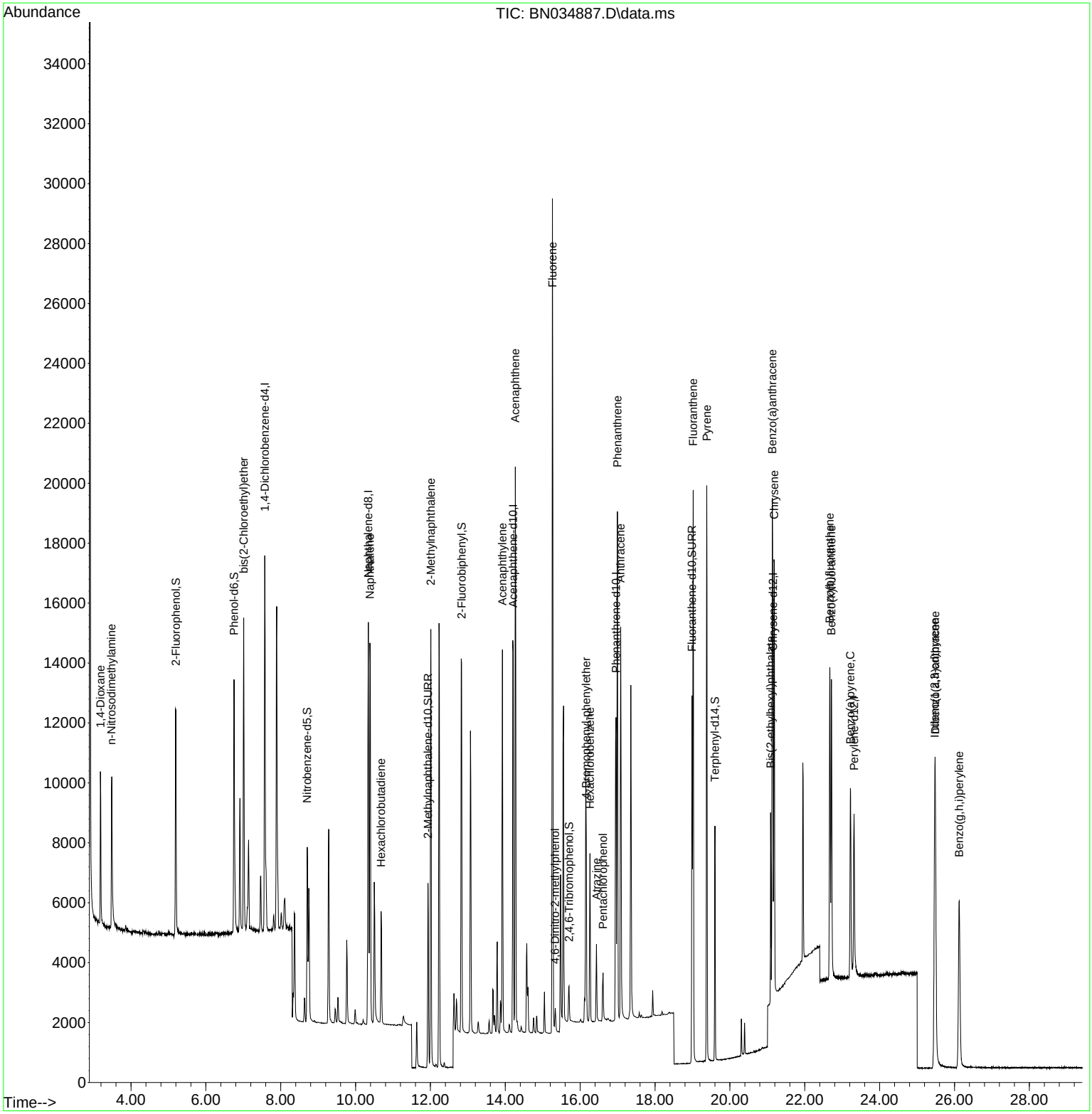
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	5878	0.400	ng		0.00
7) Naphthalene-d8	10.340	136	16847	0.400	ng		0.00
13) Acenaphthene-d10	14.211	164	7757	0.400	ng		0.00
19) Phenanthrene-d10	16.957	188	14504	0.400	ng		0.00
29) Chrysene-d12	21.151	240	8221	0.400	ng		0.00
35) Perylene-d12	23.317	264	6835	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.199	112	5922	0.361	ng		0.00
5) Phenol-d6	6.752	99	7635	0.351	ng		0.00
8) Nitrobenzene-d5	8.707	82	4711	0.359	ng		0.00
11) 2-Methylnaphthalene-d10	11.935	152	8271	0.360	ng		0.00
14) 2,4,6-Tribromophenol	15.704	330	673	0.336	ng		0.00
15) 2-Fluorobiphenyl	12.832	172	11948	0.365	ng		0.00
27) Fluoranthene-d10	18.987	212	11613	0.355	ng		0.00
31) Terphenyl-d14	19.600	244	6110	0.397	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.184	88	2785	0.375	ng		100
3) n-Nitrosodimethylamine	3.480	42	3650	0.364	ng		100
6) bis(2-Chloroethyl)ether	7.011	93	6876	0.367	ng		100
9) Naphthalene	10.383	128	17316	0.370	ng		100
10) Hexachlorobutadiene	10.682	225	2815	0.378	ng	#	100
12) 2-Methylnaphthalene	12.010	142	10308	0.360	ng		100
16) Acenaphthylene	13.923	152	12972	0.347	ng		100
17) Acenaphthene	14.265	154	9121	0.352	ng		100
18) Fluorene	15.259	166	11352	0.352	ng		100
20) 4,6-Dinitro-2-methylph...	15.334	198	463	0.364	ng		100
21) 4-Bromophenyl-phenylether	16.163	248	2927	0.379	ng		100
22) Hexachlorobenzene	16.262	284	3657	0.393	ng		100
23) Atrazine	16.436	200	1932	0.345	ng		100
24) Pentachlorophenol	16.610	266	799	0.357	ng		100
25) Phenanthrene	16.994	178	16853	0.379	ng		100
26) Anthracene	17.081	178	13974	0.364	ng		100
28) Fluoranthene	19.020	202	16466	0.352	ng		100
30) Pyrene	19.382	202	16361	0.393	ng		100
32) Benzo(a)anthracene	21.133	228	11696	0.365	ng		100
33) Chrysene	21.187	228	13017	0.384	ng		100
34) Bis(2-ethylhexyl)phtha...	21.089	149	5918	0.322	ng		100
36) Indeno(1,2,3-cd)pyrene	25.472	276	11482	0.377	ng		100
37) Benzo(b)fluoranthene	22.668	252	11973	0.398	ng		100
38) Benzo(k)fluoranthene	22.712	252	11786	0.376	ng		100
39) Benzo(a)pyrene	23.218	252	9153	0.384	ng		100
40) Dibenzo(a,h)anthracene	25.487	278	8916	0.378	ng		100
41) Benzo(g,h,i)perylene	26.127	276	10138	0.405	ng		100

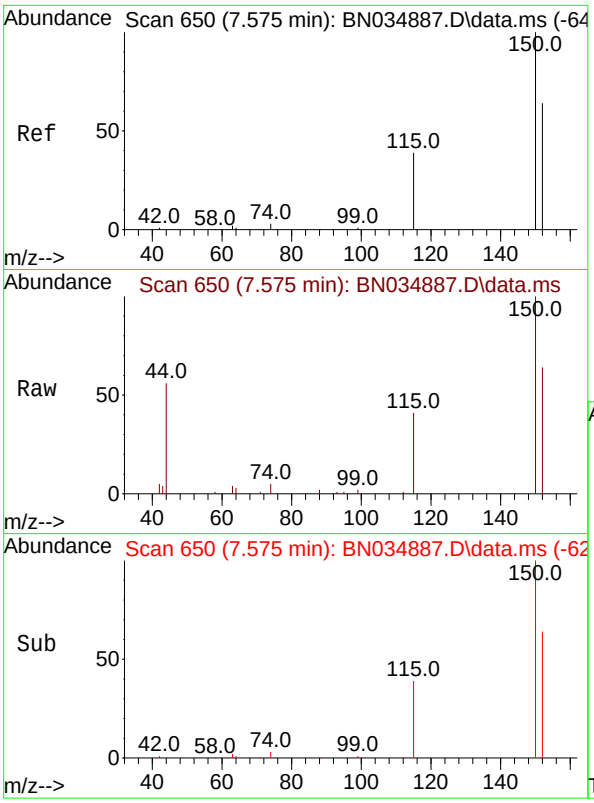
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110724\
Data File : BN034887.D
Acq On : 07 Nov 2024 11:24
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 07 14:40:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 14:34:20 2024
Response via : Initial Calibration



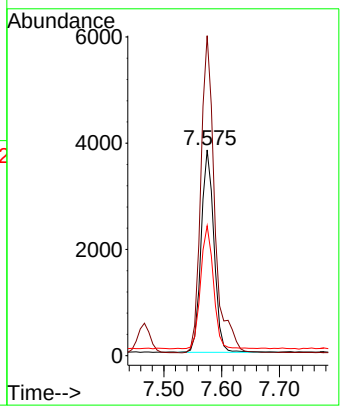


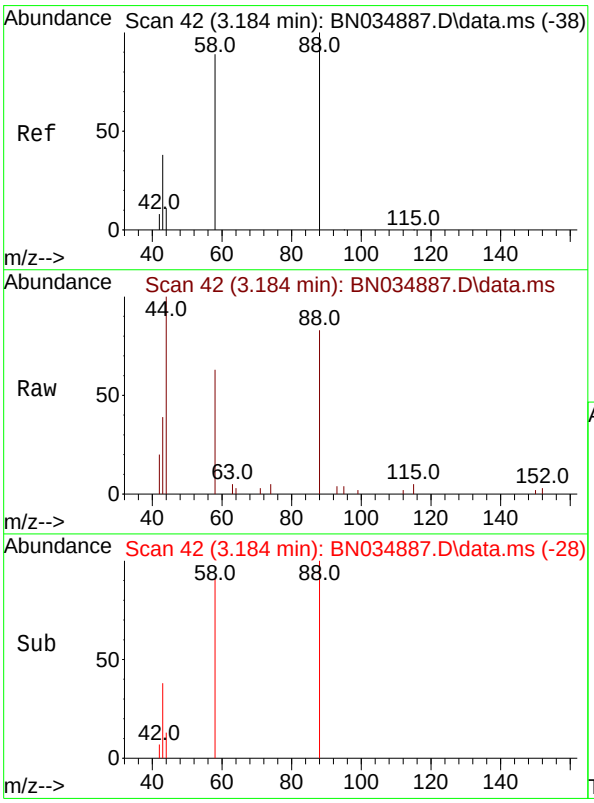
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 5878

Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	63.1	50.5	75.7

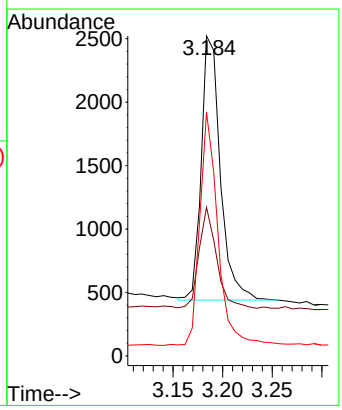


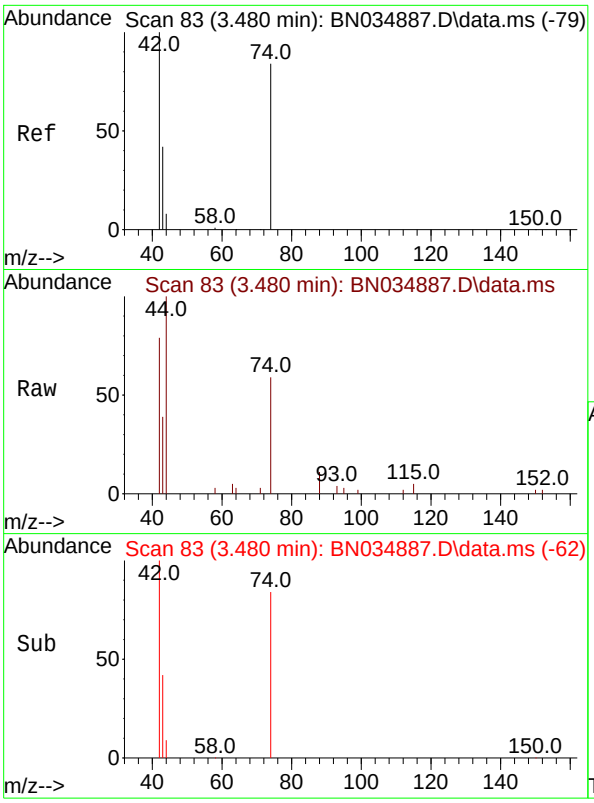


#2
1,4-Dioxane
Concen: 0.375 ng
RT: 3.184 min Scan# 42
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion: 88 Resp: 2785

Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.2	42.2
58	83.9	67.1	100.7



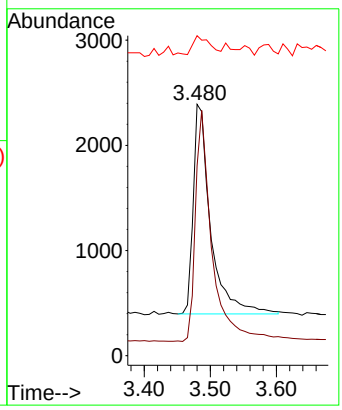


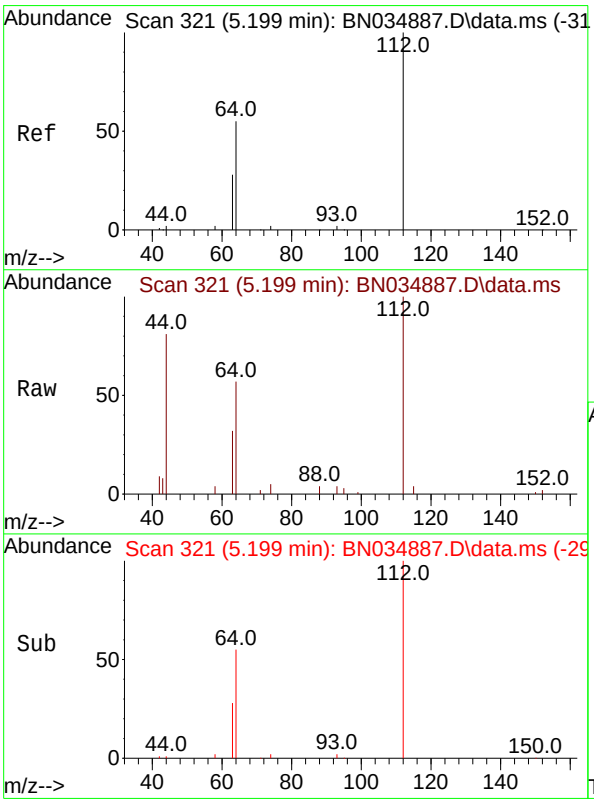
#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.480 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 3650

Ion	Ratio	Lower	Upper
42	100		
74	104.3	83.4	125.2
44	10.7	8.6	12.8

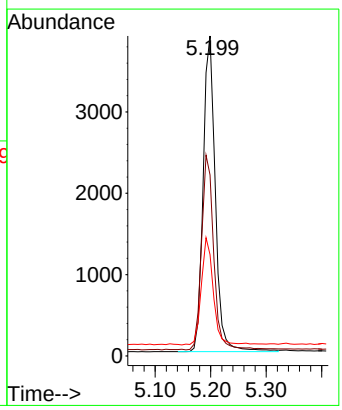


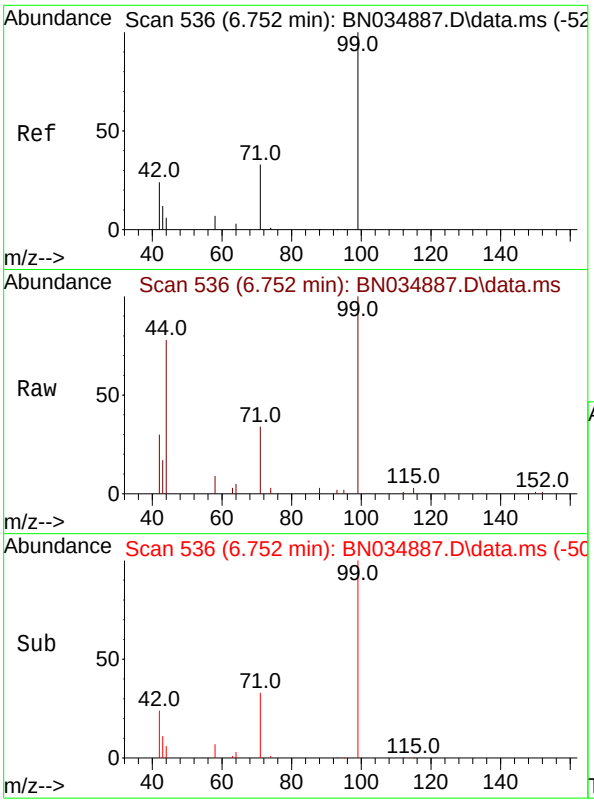


#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.199 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:112 Resp: 5922

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.6	74.4
63	32.9	26.3	39.5



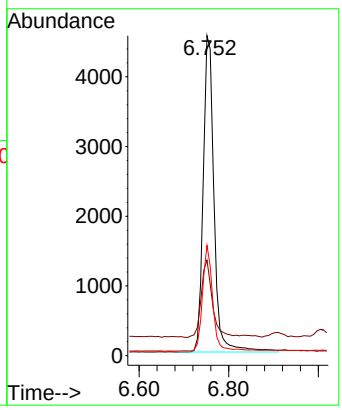


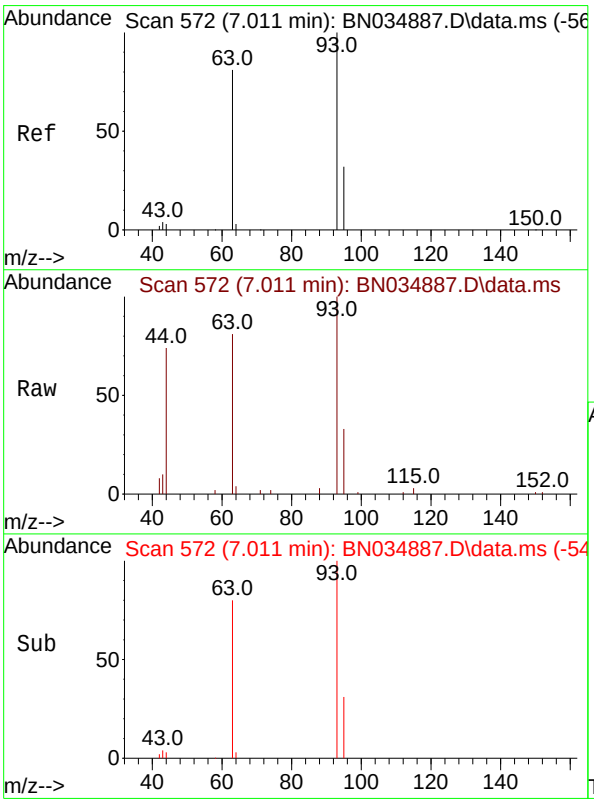
#5
Phenol-d6
Concen: 0.351 ng
RT: 6.752 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 7635

Ion	Ratio	Lower	Upper
99	100		
42	25.2	20.2	30.2
71	31.7	25.4	38.0

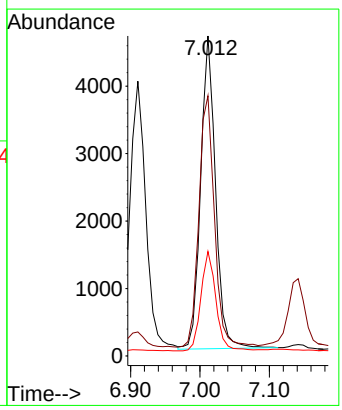


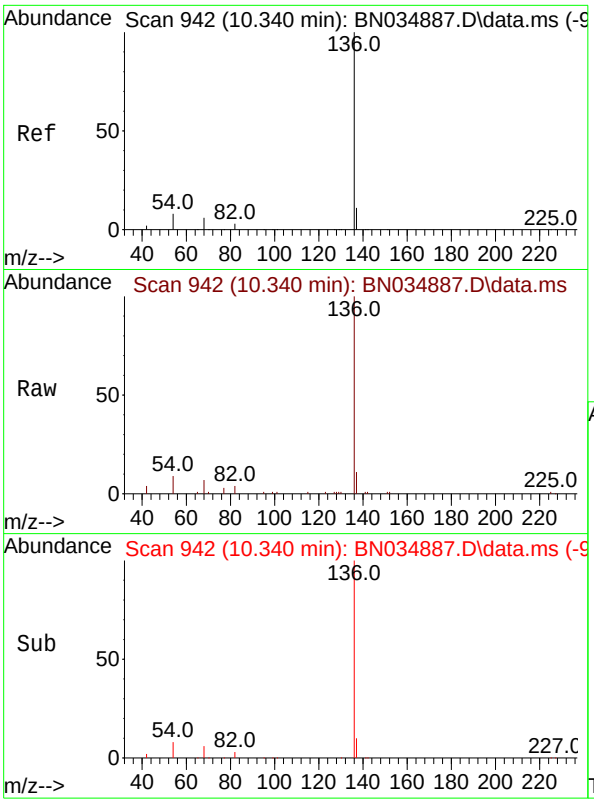


#6
bis(2-Chloroethyl)ether
Concen: 0.367 ng
RT: 7.011 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion: 93 Resp: 6876

Ion	Ratio	Lower	Upper
93	100		
63	84.4	67.5	101.3
95	32.1	25.7	38.5



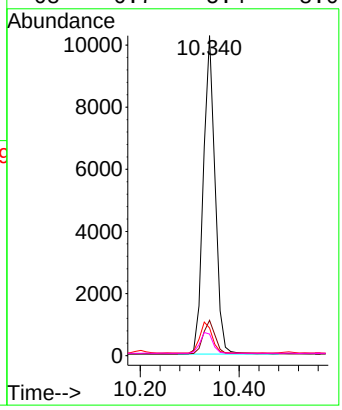


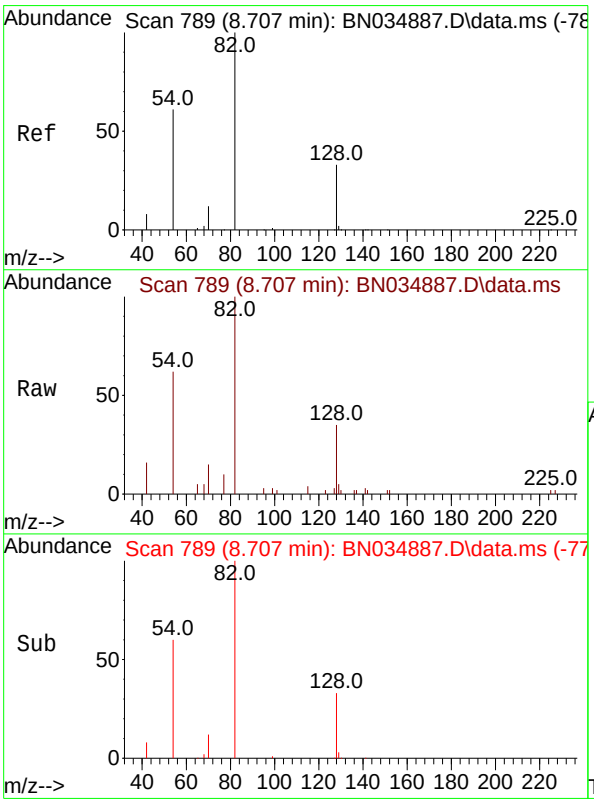
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.340 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 16847

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.6	6.9	10.3
68	6.7	5.4	8.0

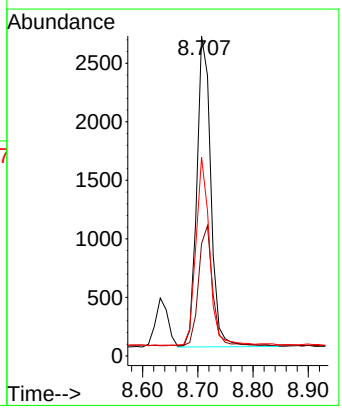


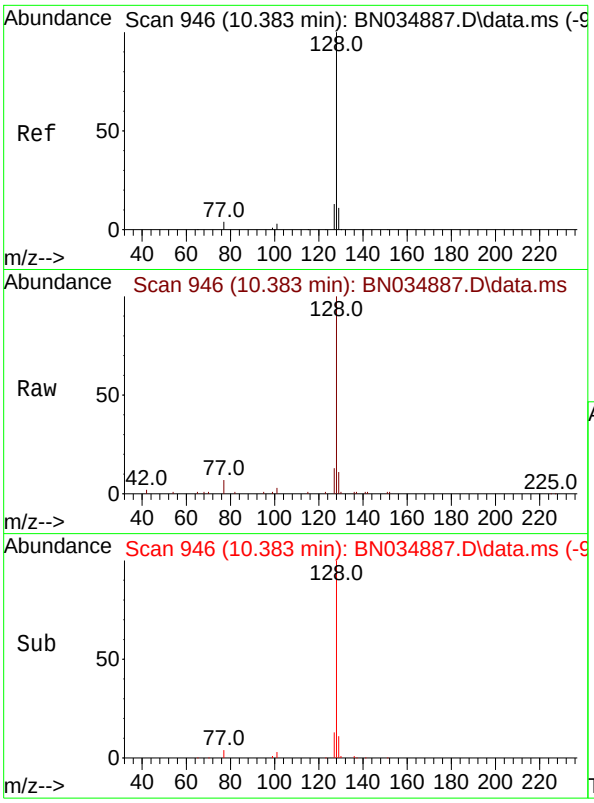


#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.707 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion: 82 Resp: 4711

Ion	Ratio	Lower	Upper
82	100		
128	35.1	28.1	42.1
54	62.2	49.8	74.6



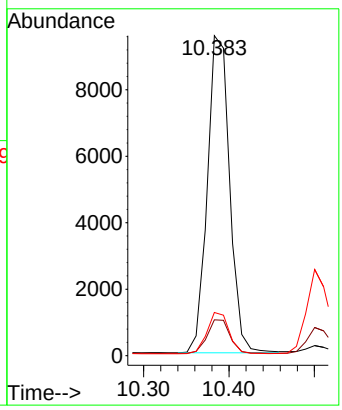


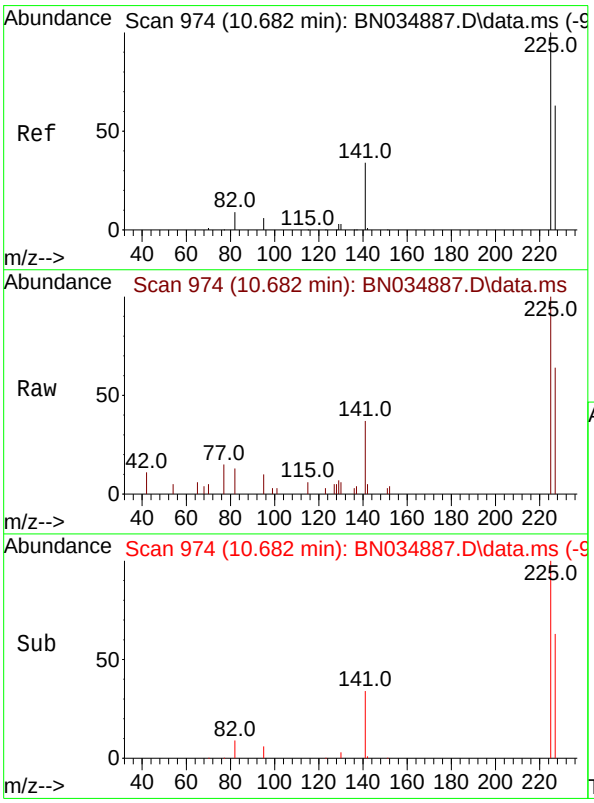
#9
Naphthalene
Concen: 0.370 ng
RT: 10.383 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 17316

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.5	10.8	16.2

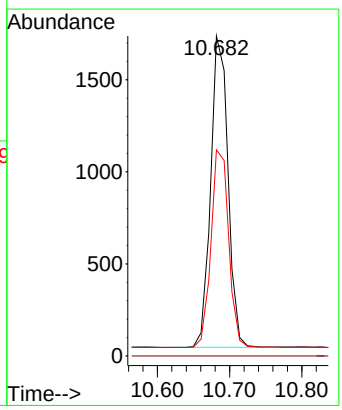


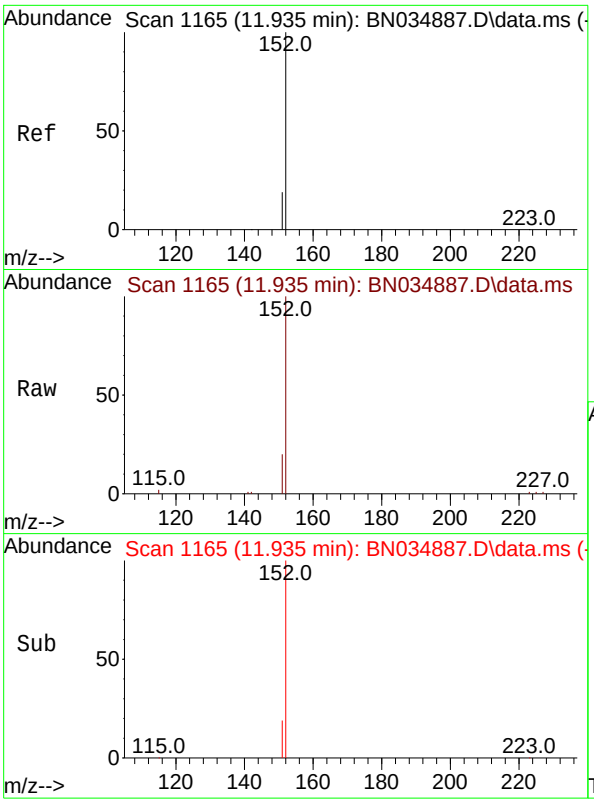


#10
Hexachlorobutadiene
Concen: 0.378 ng
RT: 10.682 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:225 Resp: 2815

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	52.0	78.0



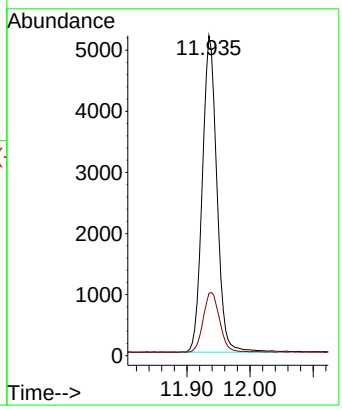


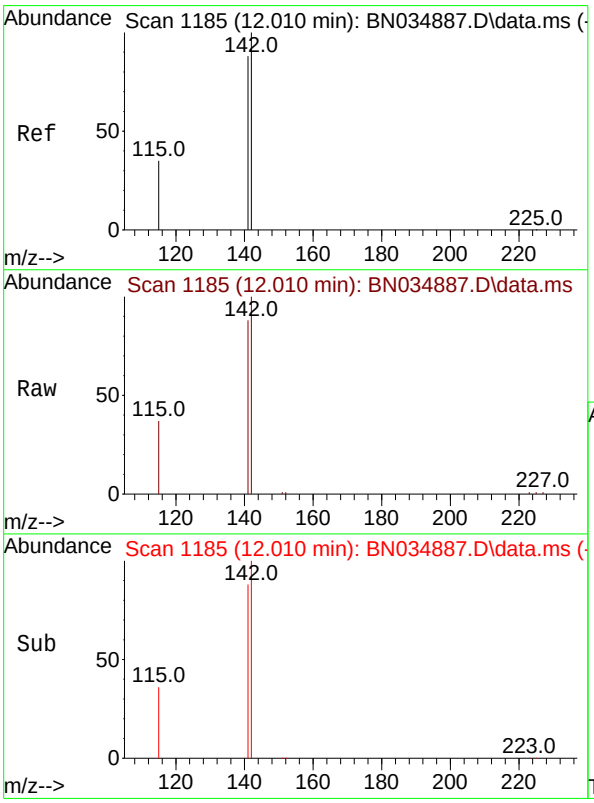
#11
2-Methylnaphthalene-d10
Concen: 0.360 ng
RT: 11.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 8271

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.1	25.7

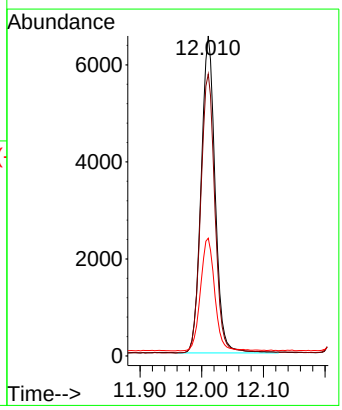


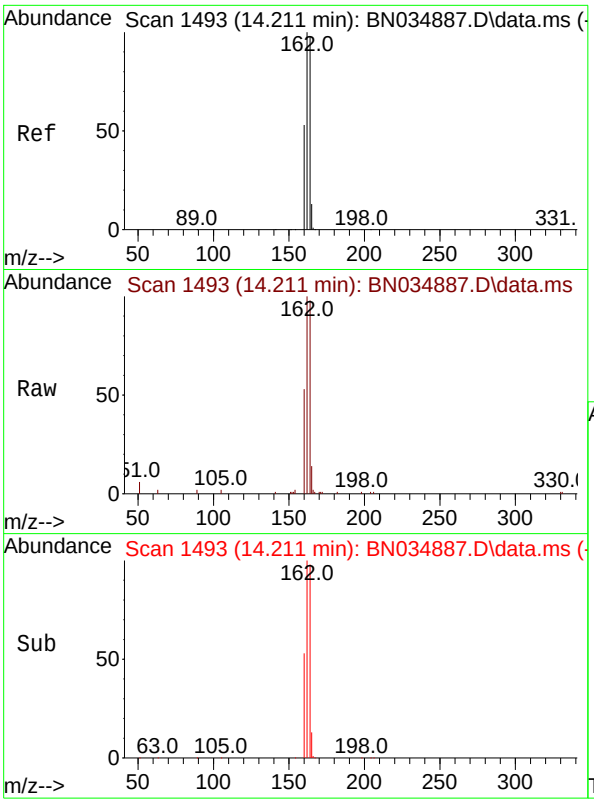


#12
2-Methylnaphthalene
Concen: 0.360 ng
RT: 12.010 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:142 Resp: 10308

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	36.8	29.4	44.2



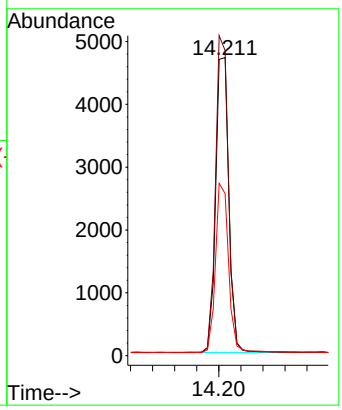


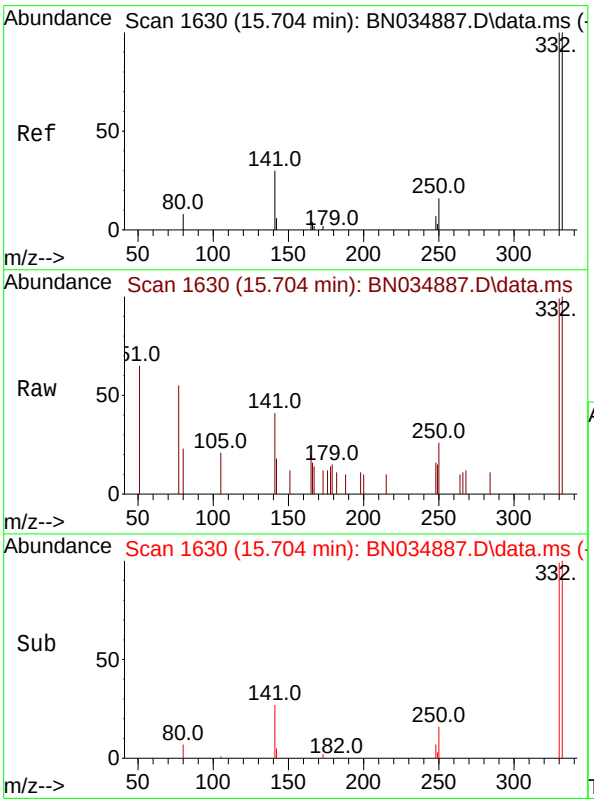
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.211 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 7757

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.9	122.9
160	54.4	43.5	65.3

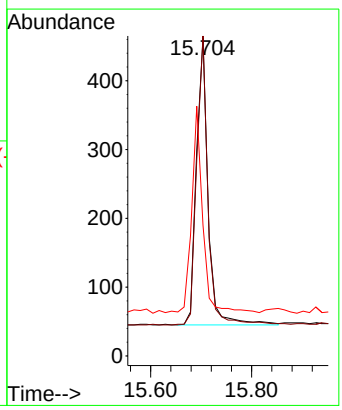


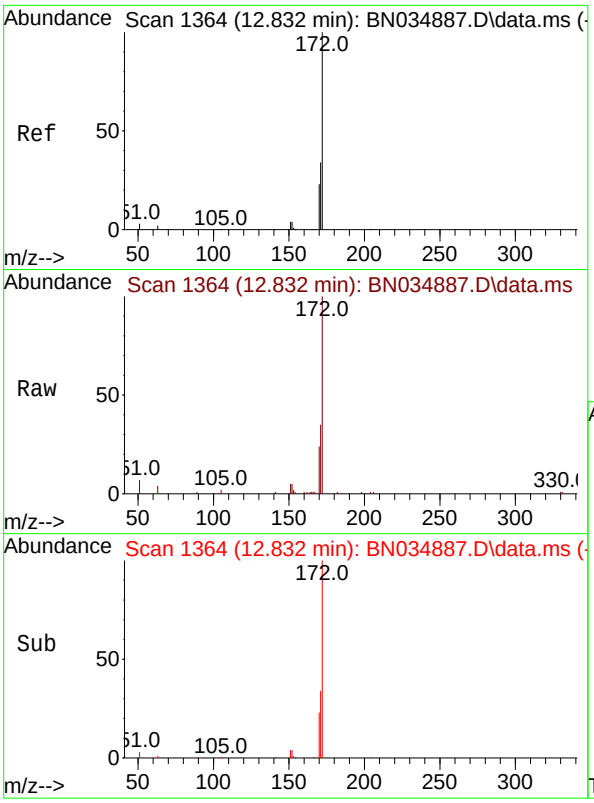


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.704 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:330 Resp: 673

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	67.6	54.1	81.1



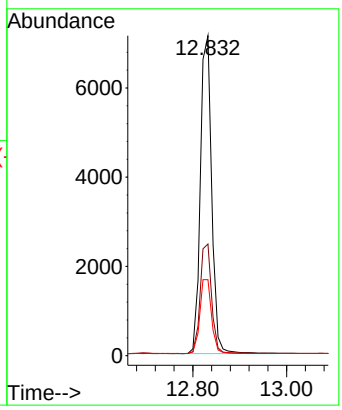


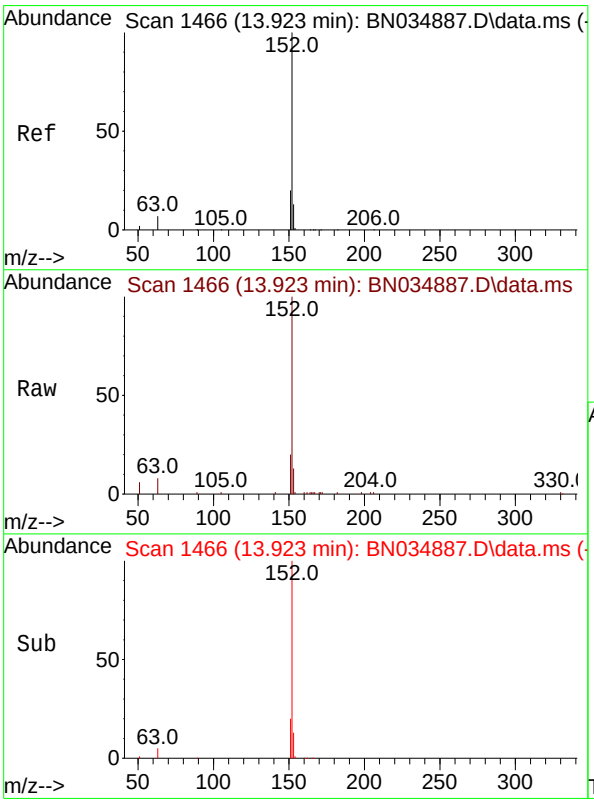
#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 12.832 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 11948

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.7	19.0	28.4

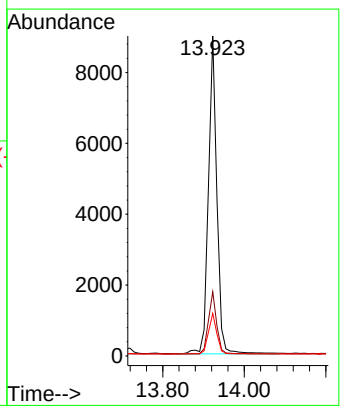


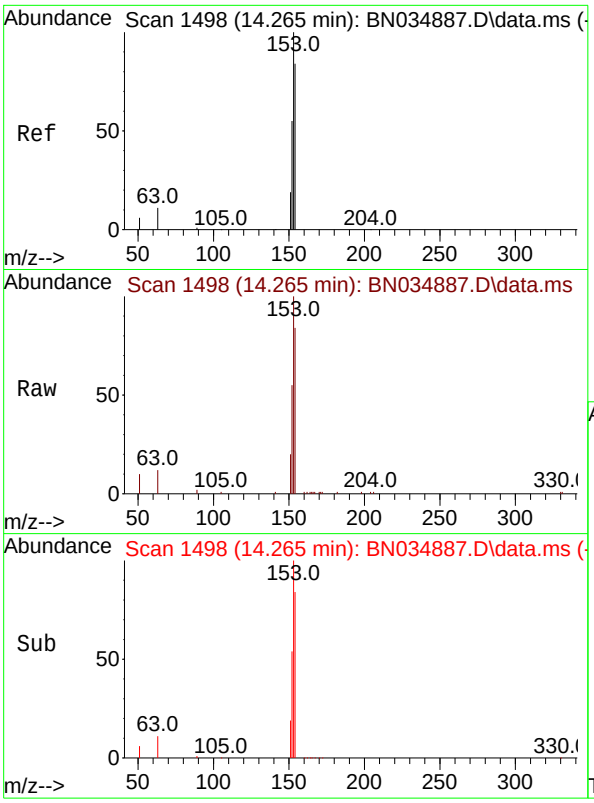


#16
Acenaphthylene
Concen: 0.347 ng
RT: 13.923 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:152 Resp: 12972

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.2	22.8
153	13.0	10.4	15.6



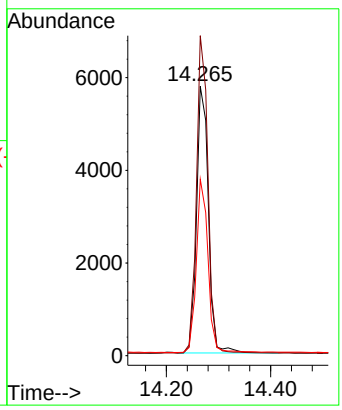


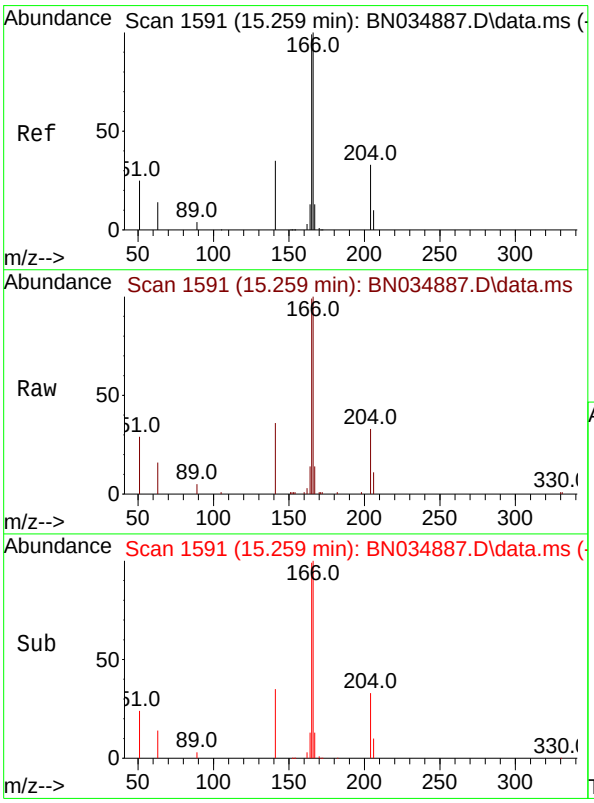
#17
Acenaphthene
Concen: 0.352 ng
RT: 14.265 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 9121

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.2	138.2
152	63.9	51.1	76.7

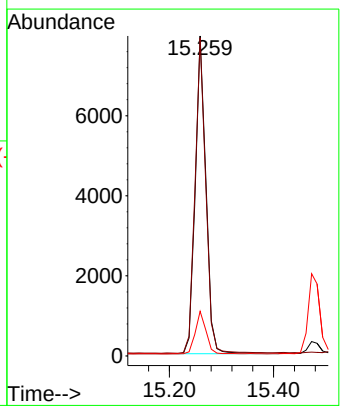


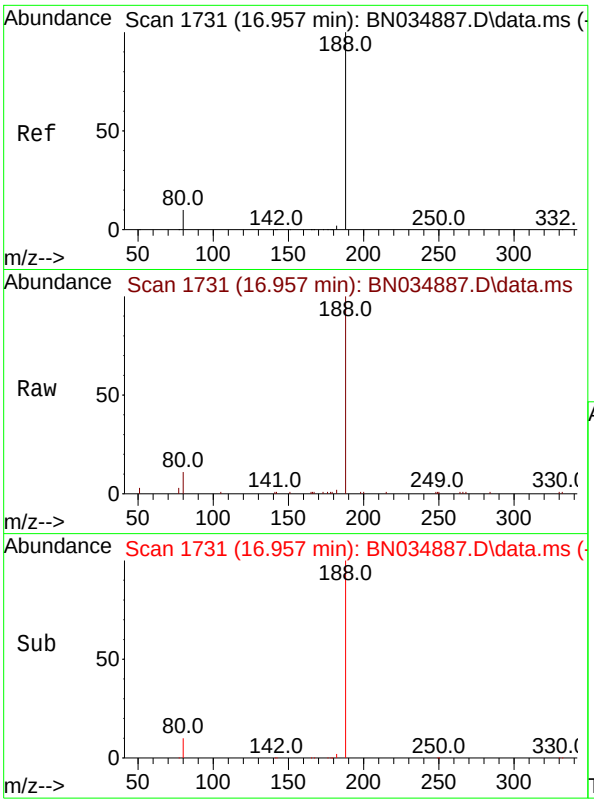


#18
Fluorene
Concen: 0.352 ng
RT: 15.259 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:166 Resp: 11352

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.5	119.3
167	13.3	10.6	16.0



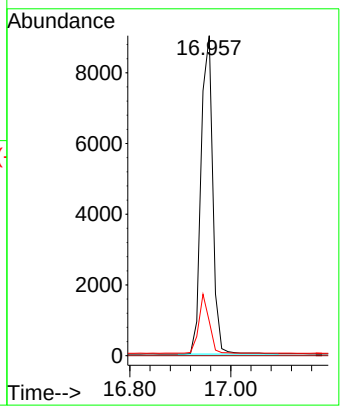


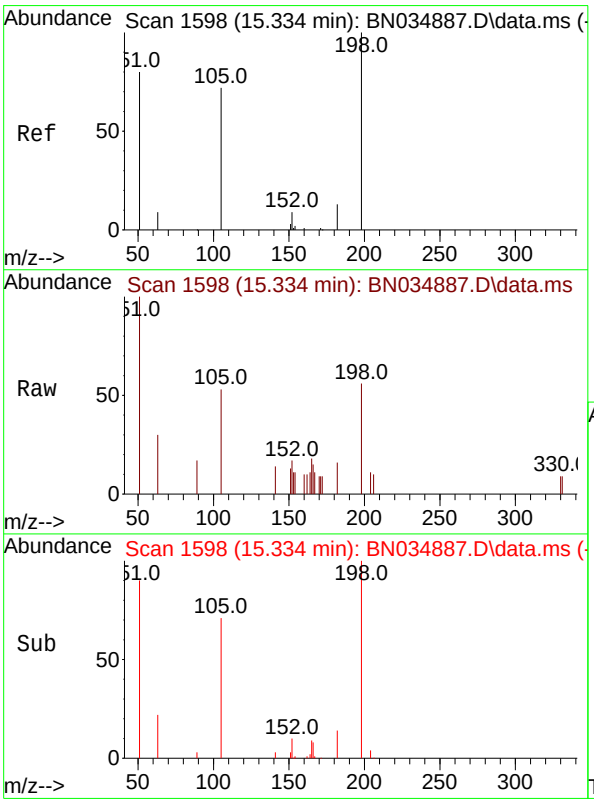
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 14504

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	8.6	12.8

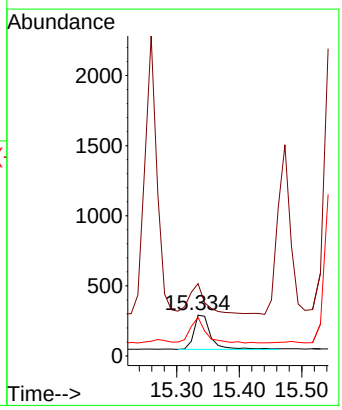


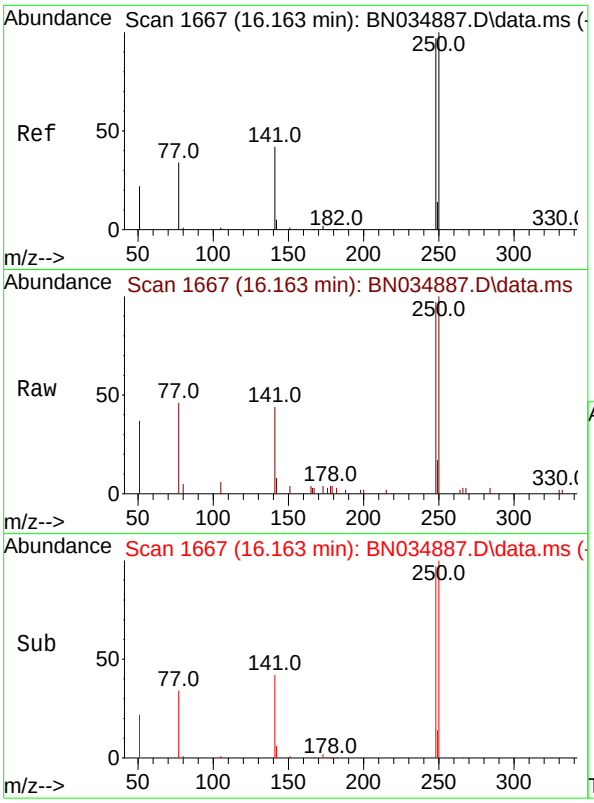


#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.334 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:198 Resp: 463

Ion	Ratio	Lower	Upper
198	100		
51	177.3	141.8	212.8
105	94.5	75.6	113.4



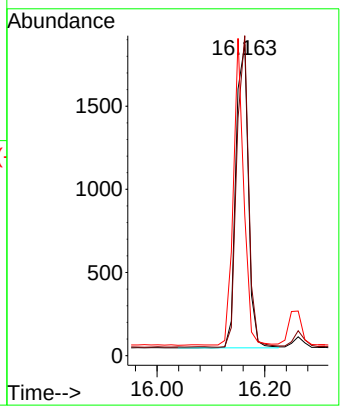


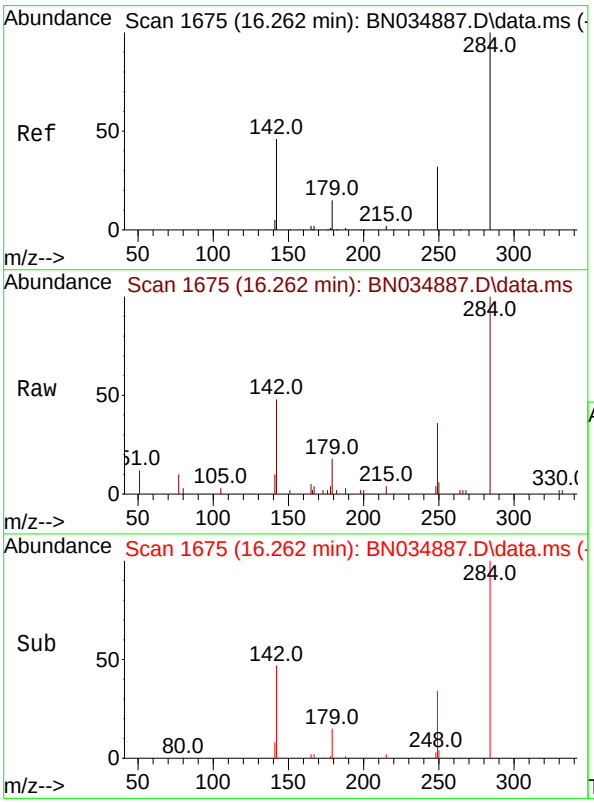
#21
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.163 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 2927

Ion	Ratio	Lower	Upper
248	100		
250	102.8	82.2	123.4
141	45.2	36.2	54.2

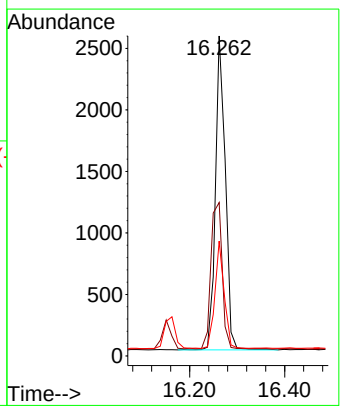


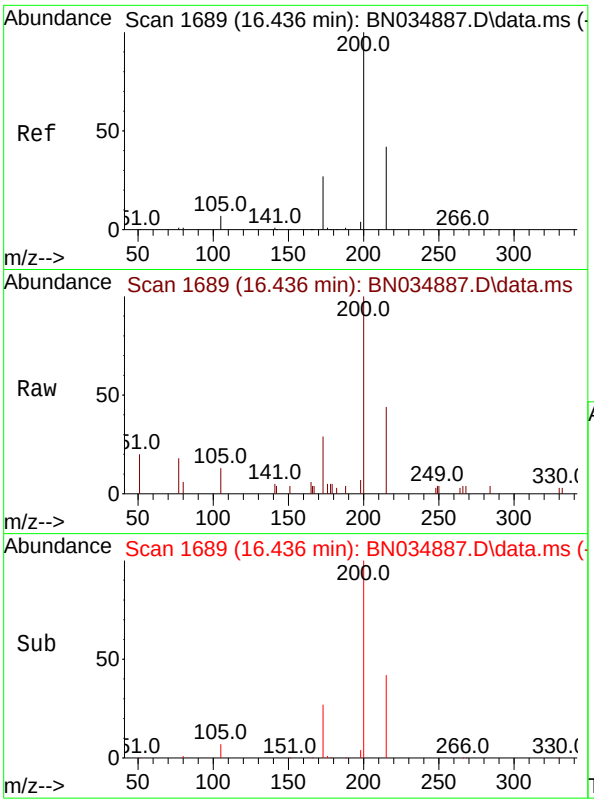


#22
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.262 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:284 Resp: 3657

Ion	Ratio	Lower	Upper
284	100		
142	54.3	43.4	65.2
249	32.2	25.8	38.6



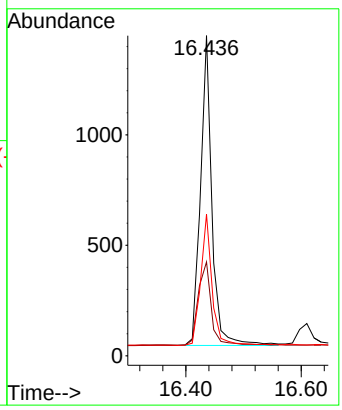


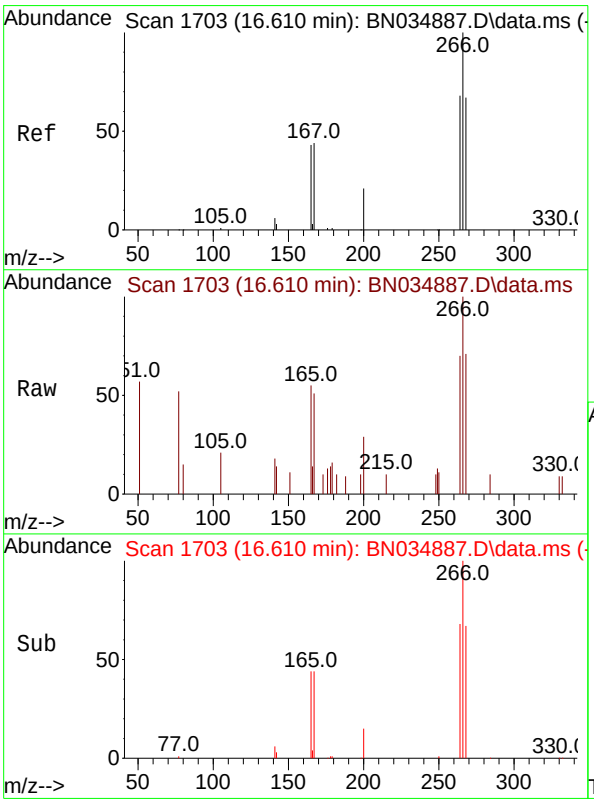
#23
Atrazine
Concen: 0.345 ng
RT: 16.436 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1932

Ion	Ratio	Lower	Upper
200	100		
173	29.3	23.4	35.2
215	44.2	35.4	53.0

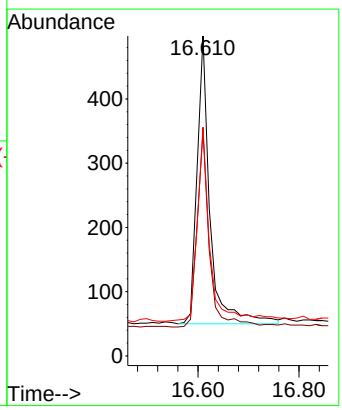


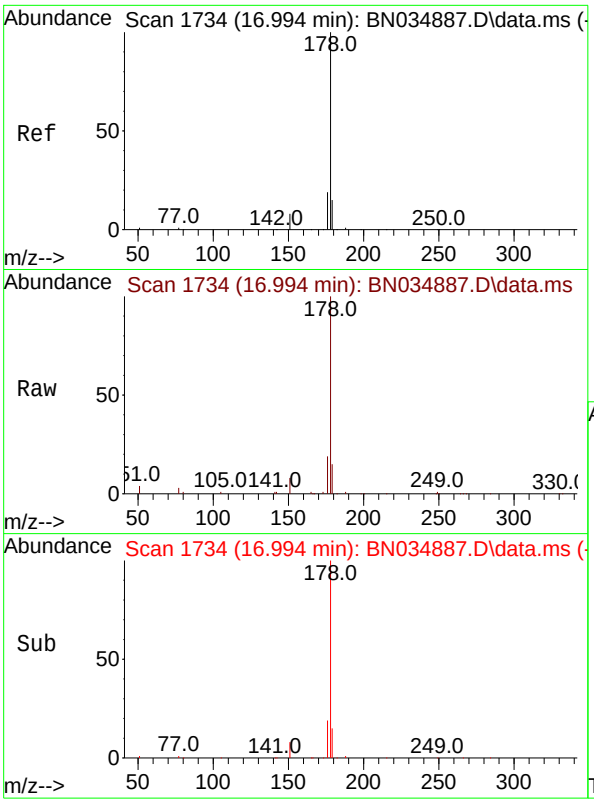


#24
Pentachlorophenol
Concen: 0.357 ng
RT: 16.610 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:266 Resp: 799

Ion	Ratio	Lower	Upper
266	100		
264	64.1	51.3	76.9
268	66.3	53.0	79.6



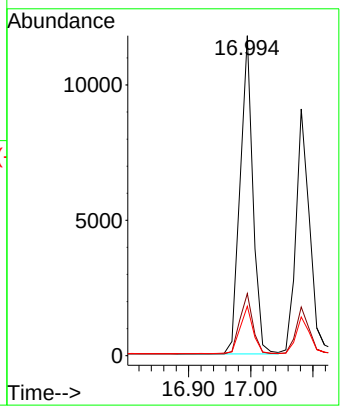


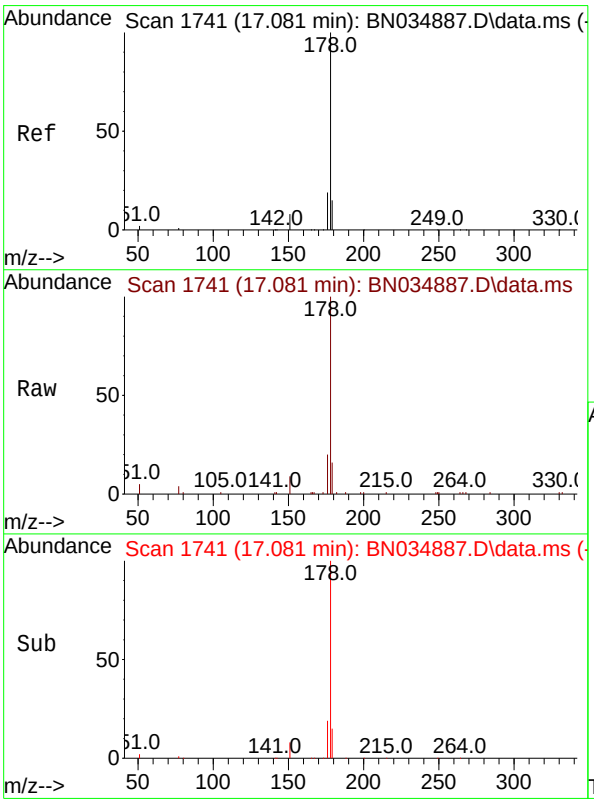
#25
Phenanthrene
Concen: 0.379 ng
RT: 16.994 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 16853

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.2	12.2	18.2

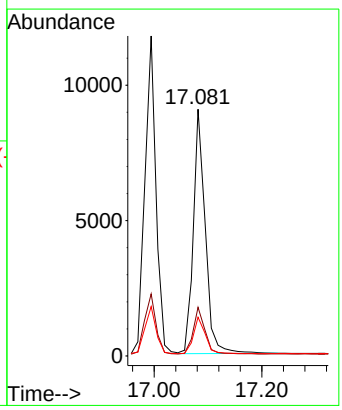


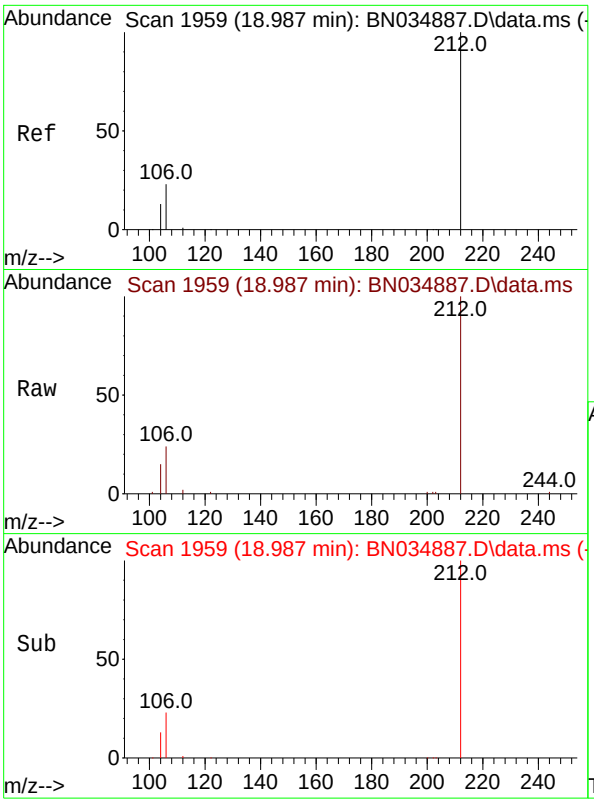


#26
Anthracene
Concen: 0.364 ng
RT: 17.081 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:178 Resp: 13974

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.1	12.1	18.1



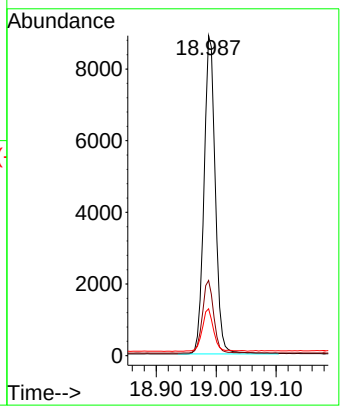


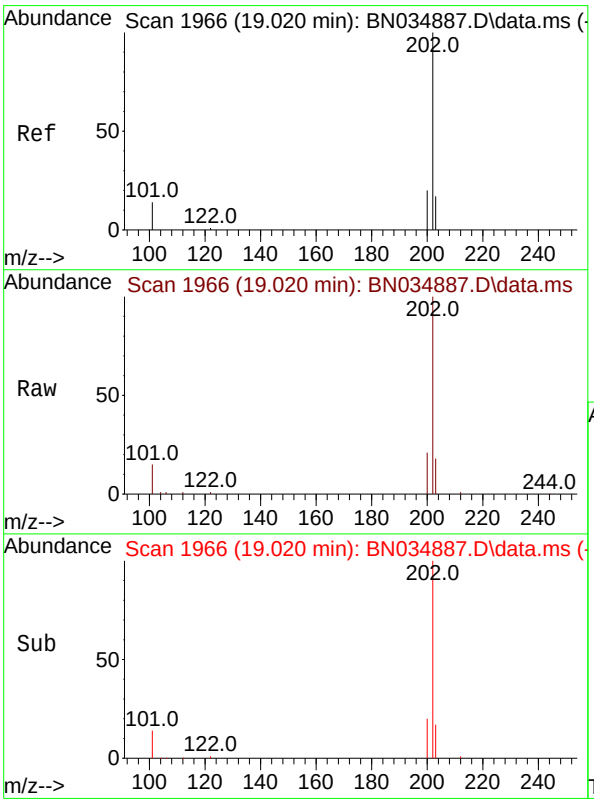
#27
Fluoranthene-d10
Concen: 0.355 ng
RT: 18.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 11613

Ion	Ratio	Lower	Upper
212	100		
106	22.8	18.2	27.4
104	13.2	10.6	15.8

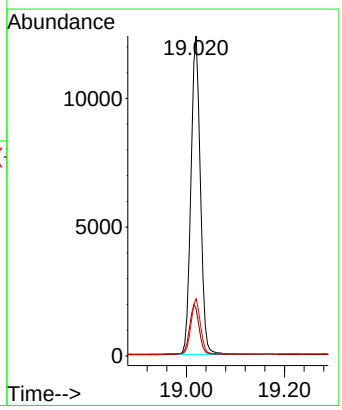


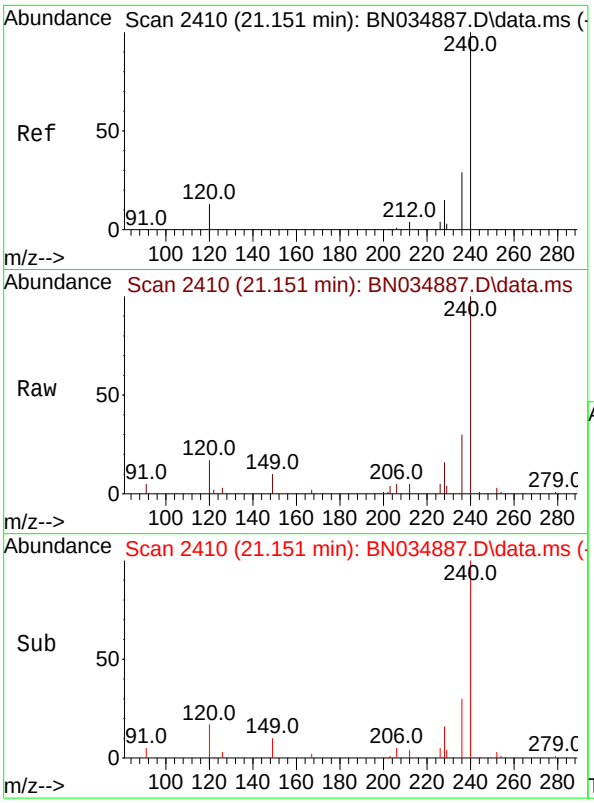


#28
Fluoranthene
Concen: 0.352 ng
RT: 19.020 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:202 Resp: 16466

Ion	Ratio	Lower	Upper
202	100		
101	15.9	12.7	19.1
203	17.1	13.7	20.5



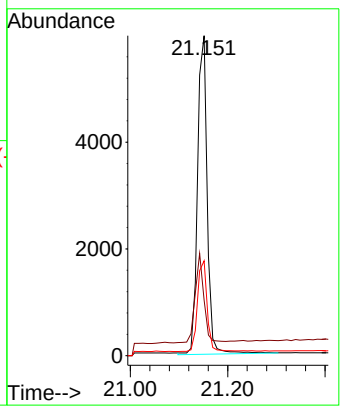


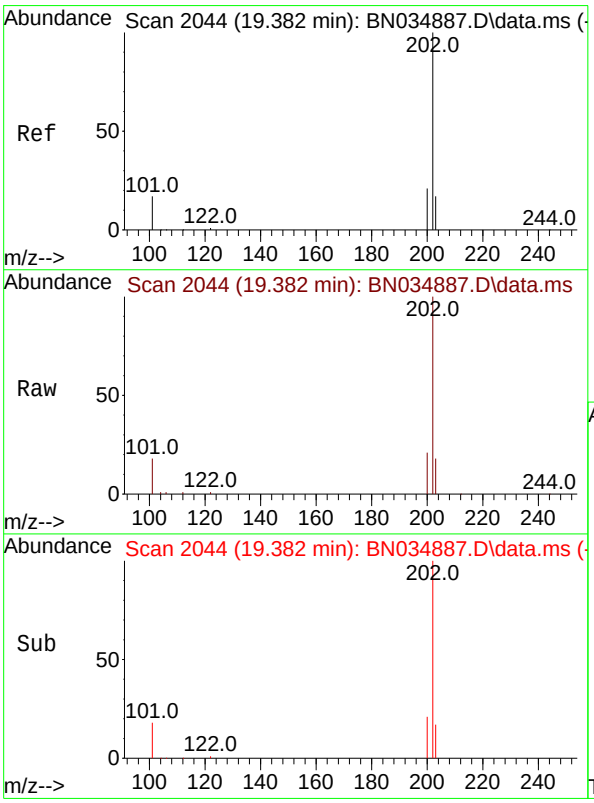
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 8221

Ion	Ratio	Lower	Upper
240	100		
120	17.3	13.8	20.8
236	29.7	23.8	35.6

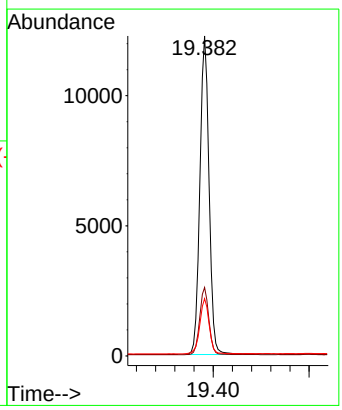


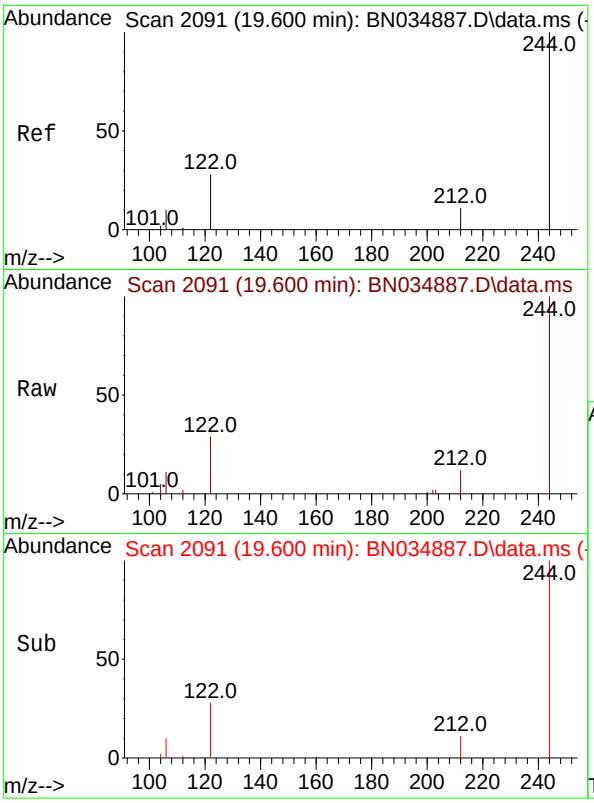


#30
Pyrene
Concen: 0.393 ng
RT: 19.382 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:202 Resp: 16361

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.1	21.1



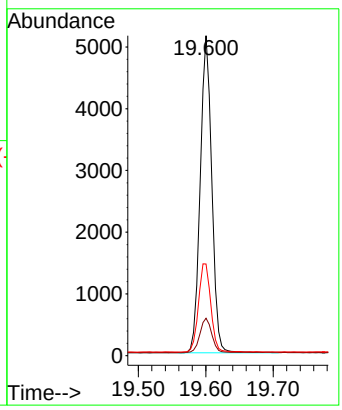


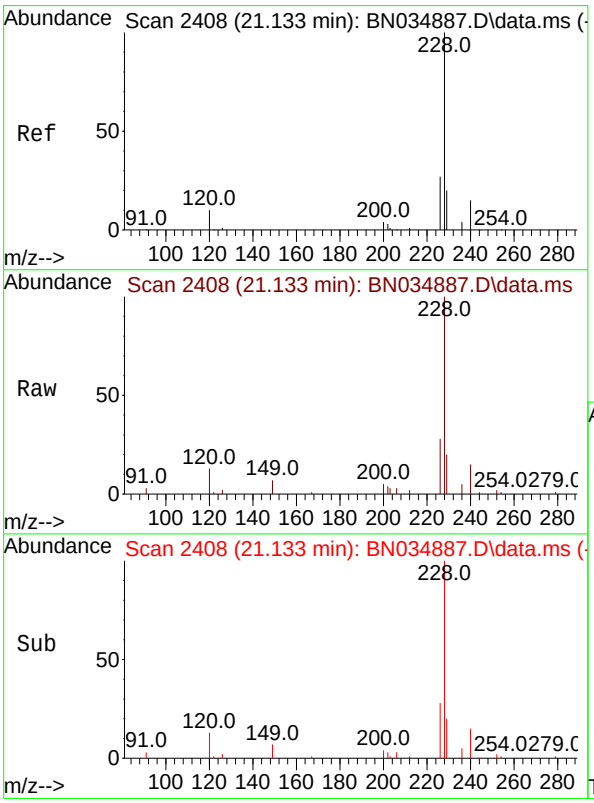
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.600 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 6110

Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.4	14.0
122	28.7	23.0	34.4

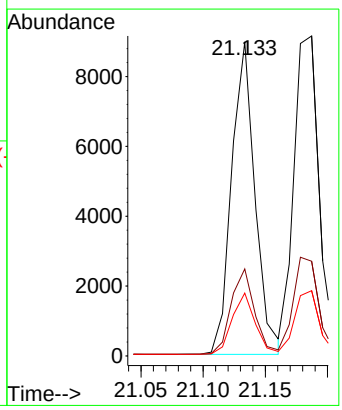


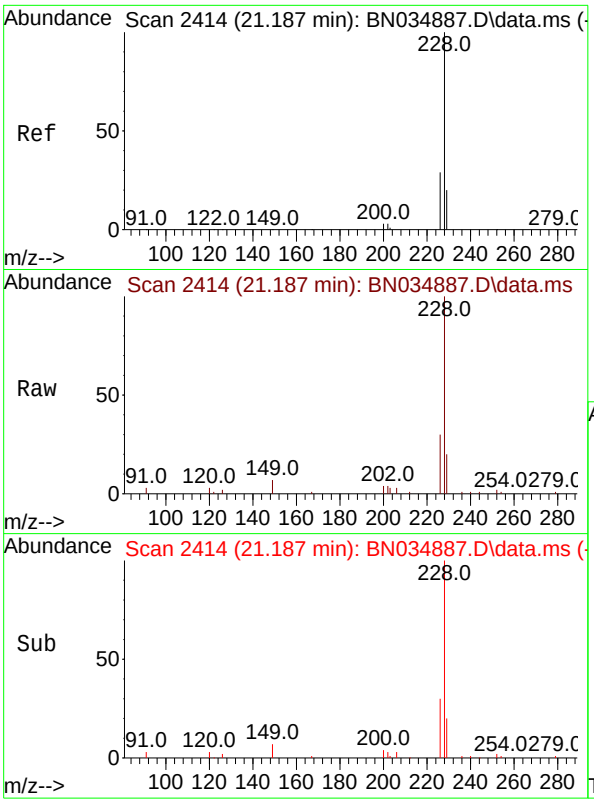


#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.133 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:228 Resp: 11696

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	20.0	16.0	24.0



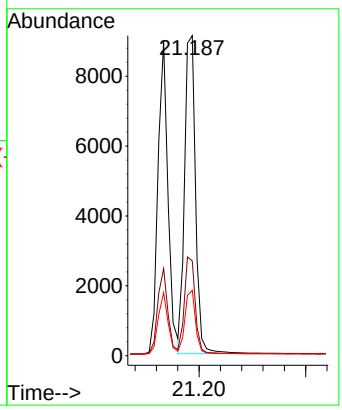


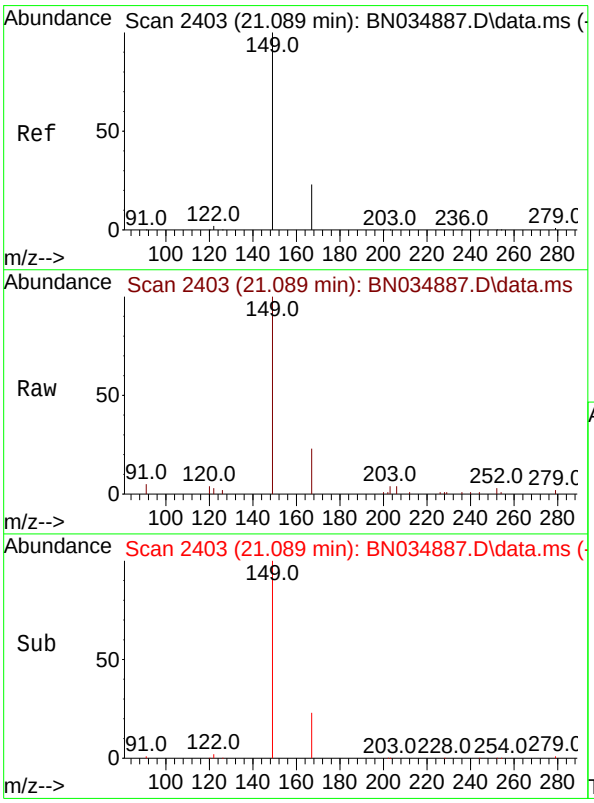
#33
Chrysene
Concen: 0.384 ng
RT: 21.187 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 13017

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	20.4	16.3	24.5

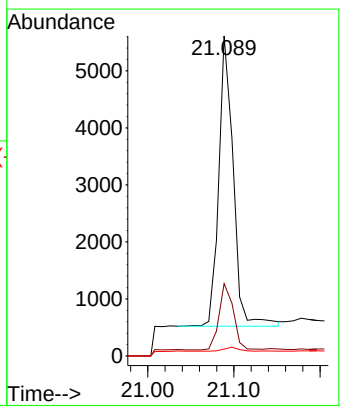


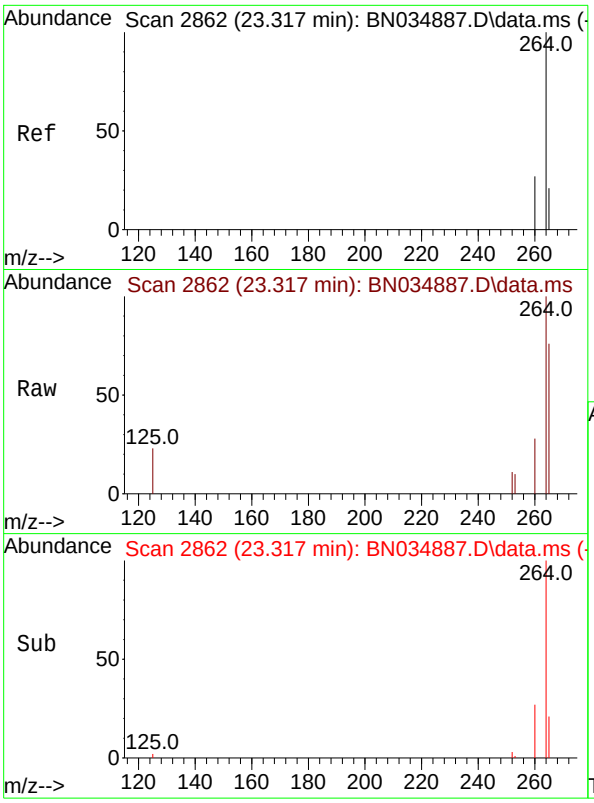


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.322 ng
RT: 21.089 min Scan# 2403
Delta R.T. -0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:149 Resp: 5918

Ion	Ratio	Lower	Upper
149	100		
167	22.6	18.1	27.1
279	1.5	1.2	1.8



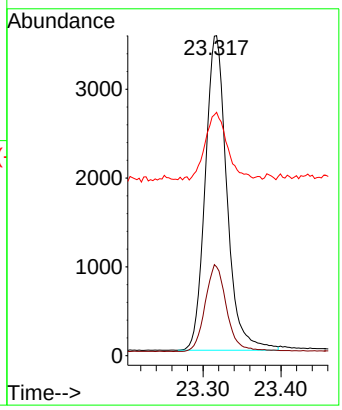


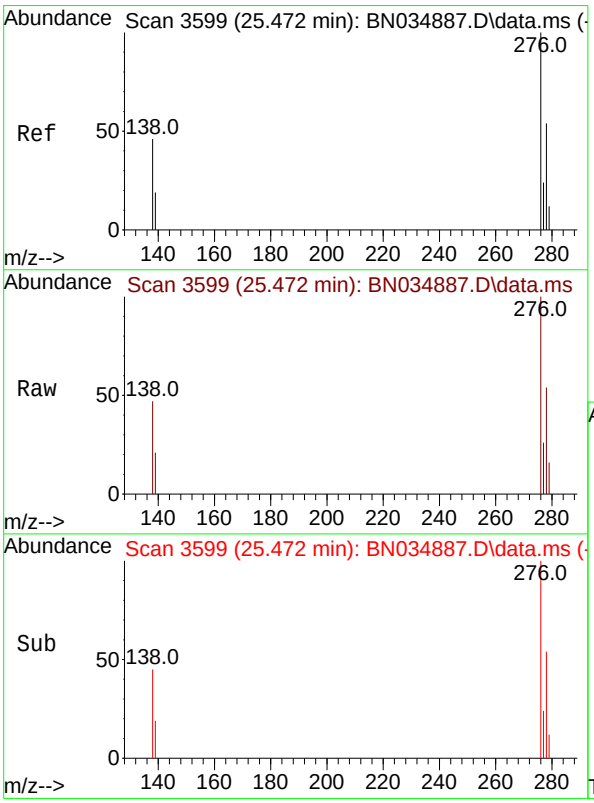
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.317 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 6835

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	76.1	60.9	91.3

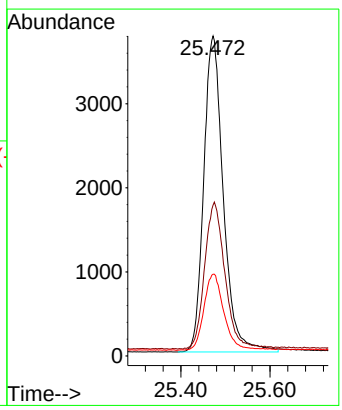


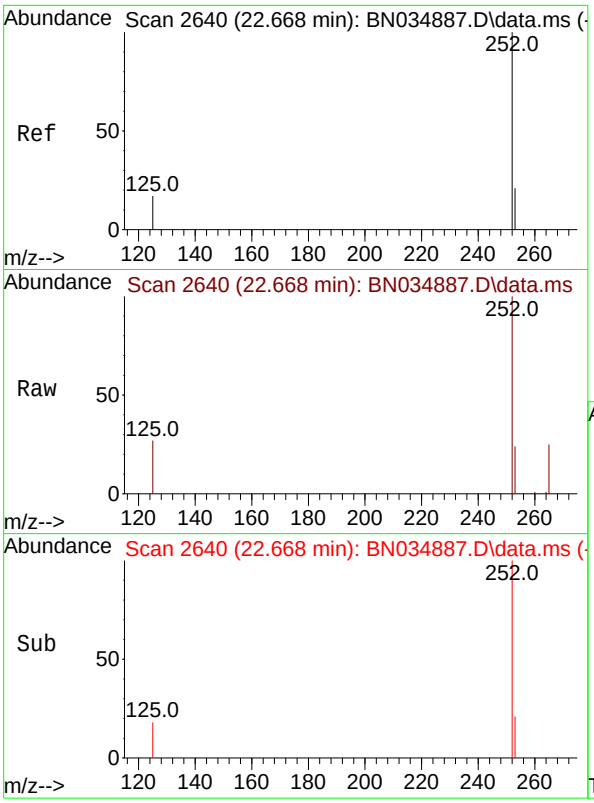


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.377 ng
RT: 25.472 min Scan# 3599
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:276 Resp: 11482

Ion	Ratio	Lower	Upper
276	100		
138	48.0	38.4	57.6
277	24.3	19.4	29.2



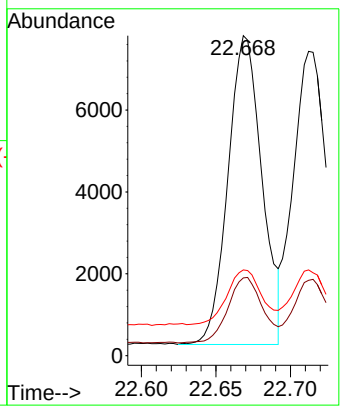


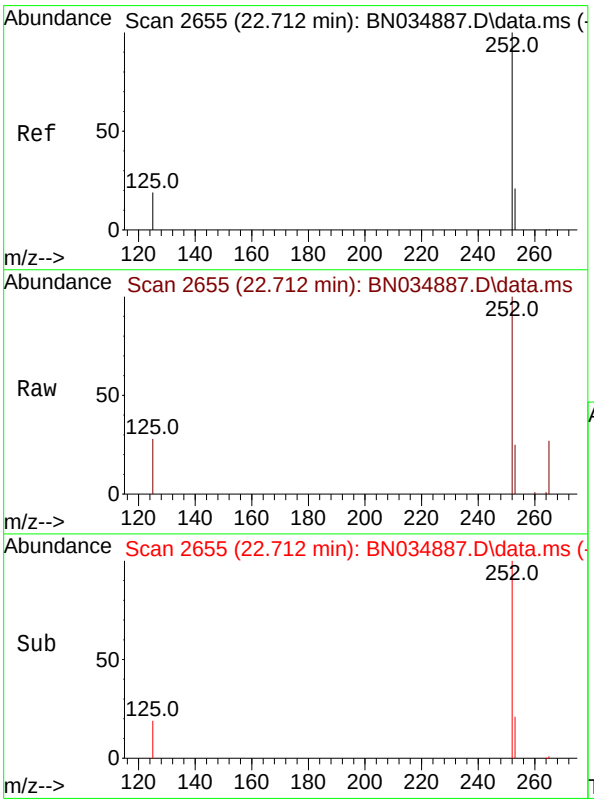
#37
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 22.668 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 11973

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.2
125	26.8	21.4	32.2

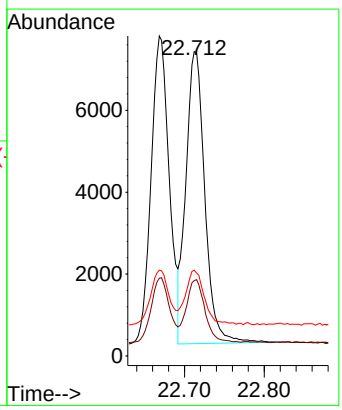


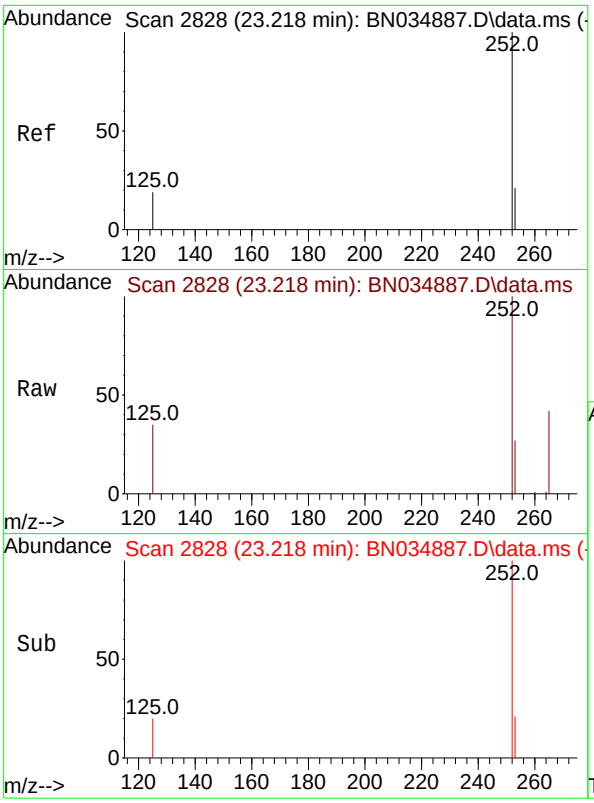


#38
Benzo(k)fluoranthene
Concen: 0.376 ng
RT: 22.712 min Scan# 2655
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:252 Resp: 11786

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.8	29.8
125	28.2	22.6	33.8



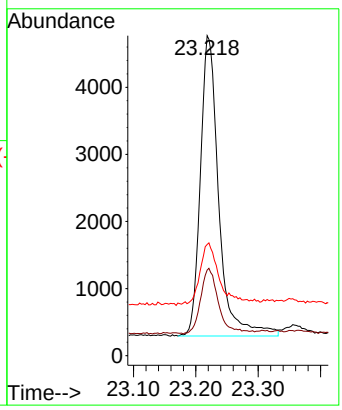


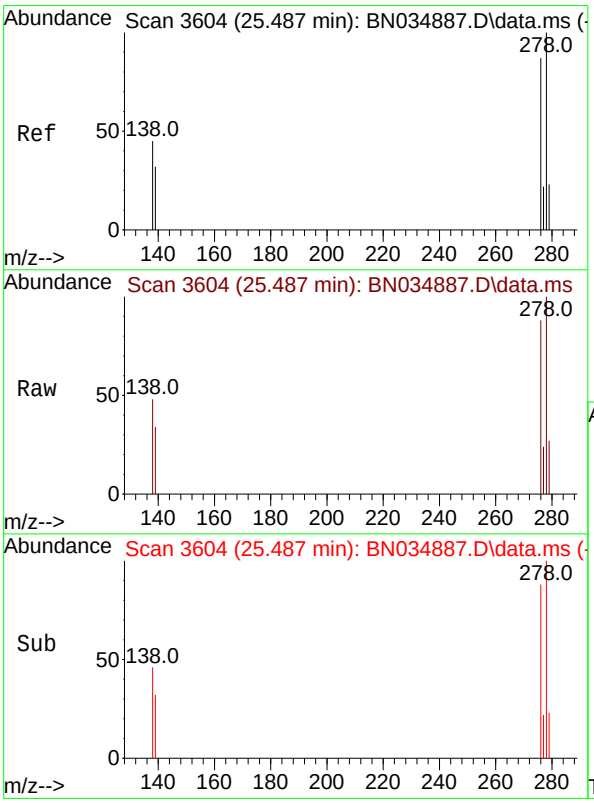
#39
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.218 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 9153

Ion	Ratio	Lower	Upper
252	100		
253	26.8	21.4	32.2
125	34.7	27.8	41.6

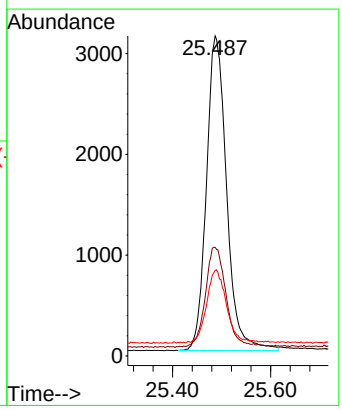


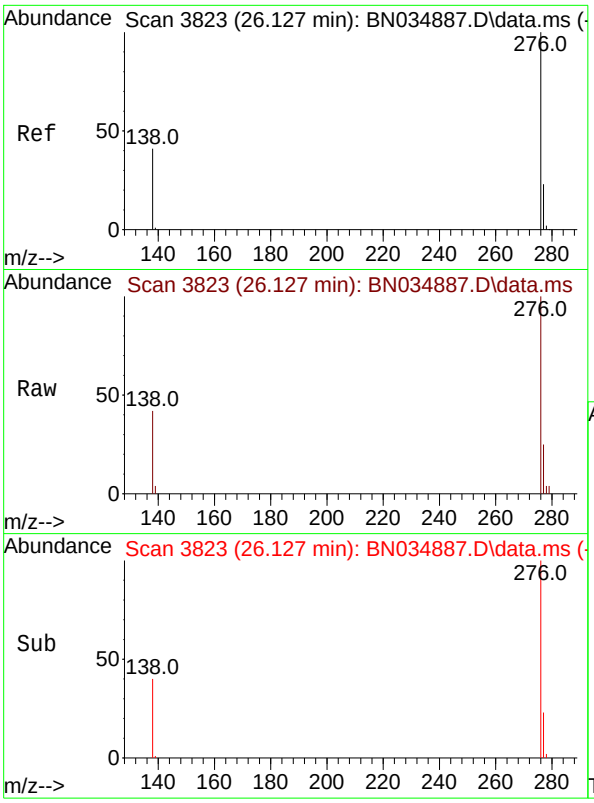


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.487 min Scan# 3604
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Tgt Ion:278 Resp: 8916

Ion	Ratio	Lower	Upper
278	100		
139	34.0	27.2	40.8
279	26.7	21.4	32.0





#41
Benzo(g,h,i)perylene
Concen: 0.405 ng
RT: 26.127 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN034887.D
Acq: 07 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 10138

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	42.4	33.9	50.9