Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031682.D
Acq On : 28 May 2024 18:57
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 29 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	16183	0.400	ng	-0.03
7) Naphthalene-d8	10.475	136	51120	0.400	ng	#-0.02
13) Acenaphthene-d10	14.328	164	23916	0.400	ng	-0.02
19) Phenanthrene-d10	17.066	188	40201	0.400	ng	-0.02
29) Chrysene-d12	21.256	240	27306	0.400	ng	-0.02
35) Perylene-d12	23.487	264	28359	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	14567	0.317	ng	-0.01
5) Phenol-d6	6.852	99	19298	0.312	ng	-0.02
8) Nitrobenzene-d5	8.841	82	15913	0.434	ng	-0.02
11) 2-Methylnaphthalene-d10	12.062	152	29831	0.362	ng	-0.03
14) 2,4,6-Tribromophenol	15.812	330	1947	0.215	ng	-0.02
15) 2-Fluorobiphenyl	12.949	172	40513	0.439	ng	-0.03
27) Fluoranthene-d10	19.100	212	35211	0.316	ng	-0.02
31) Terphenyl-d14	19.704	244	24151	0.361	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.241	88	7214	0.362	ng	# 85
3) n-Nitrosodimethylamine	3.544	42	7086	0.360	ng	93
6) bis(2-Chloroethyl)ether	7.119	93	18358	0.340	ng	97
9) Naphthalene	10.517	128	48437	0.341	ng	96
10) Hexachlorobutadiene	10.806	225	7786	0.312	ng	# 99
12) 2-Methylnaphthalene	12.138	142	29661	0.306	ng	98
16) Acenaphthylene	14.039	152	35917	0.298	ng	100
17) Acenaphthene	14.381	154	24637	0.328	ng	97
18) Fluorene	15.375	166	28540	0.291	ng	100
20) 4,6-Dinitro-2-methylph...	15.450	198	1013	0.308	ng	# 52
21) 4-Bromophenyl-phenylether	16.272	248	7984	0.339	ng	# 89
22) Hexachlorobenzene	16.371	284	8697	0.366	ng	96
23) Atrazine	16.532	200	5152	0.241	ng	# 90
24) Pentachlorophenol	16.718	266	2300	0.274	ng	97
25) Phenanthrene	17.103	178	38279	0.340	ng	100
26) Anthracene	17.202	178	31637	0.284	ng	99
28) Fluoranthene	19.128	202	37301	0.273	ng	99
30) Pyrene	19.495	202	37609	0.340	ng	100
32) Benzo(a)anthracene	21.238	228	30689	0.291	ng	99
33) Chrysene	21.292	228	32932	0.328	ng	99
34) Bis(2-ethylhexyl)phtha...	21.175	149	11710	0.190	ng	98
36) Indeno(1,2,3-cd)pyrene	25.747	276	40810	0.361	ng	97
37) Benzo(b)fluoranthene	22.818	252	34928	0.343	ng	# 93
38) Benzo(k)fluoranthene	22.858	252	35568	0.369	ng	# 95
39) Benzo(a)pyrene	23.391	252	29975	0.339	ng	# 88
40) Dibenzo(a,h)anthracene	25.765	278	31737	0.354	ng	98
41) Benzo(g,h,i)perylene	26.434	276	33843	0.351	ng	98

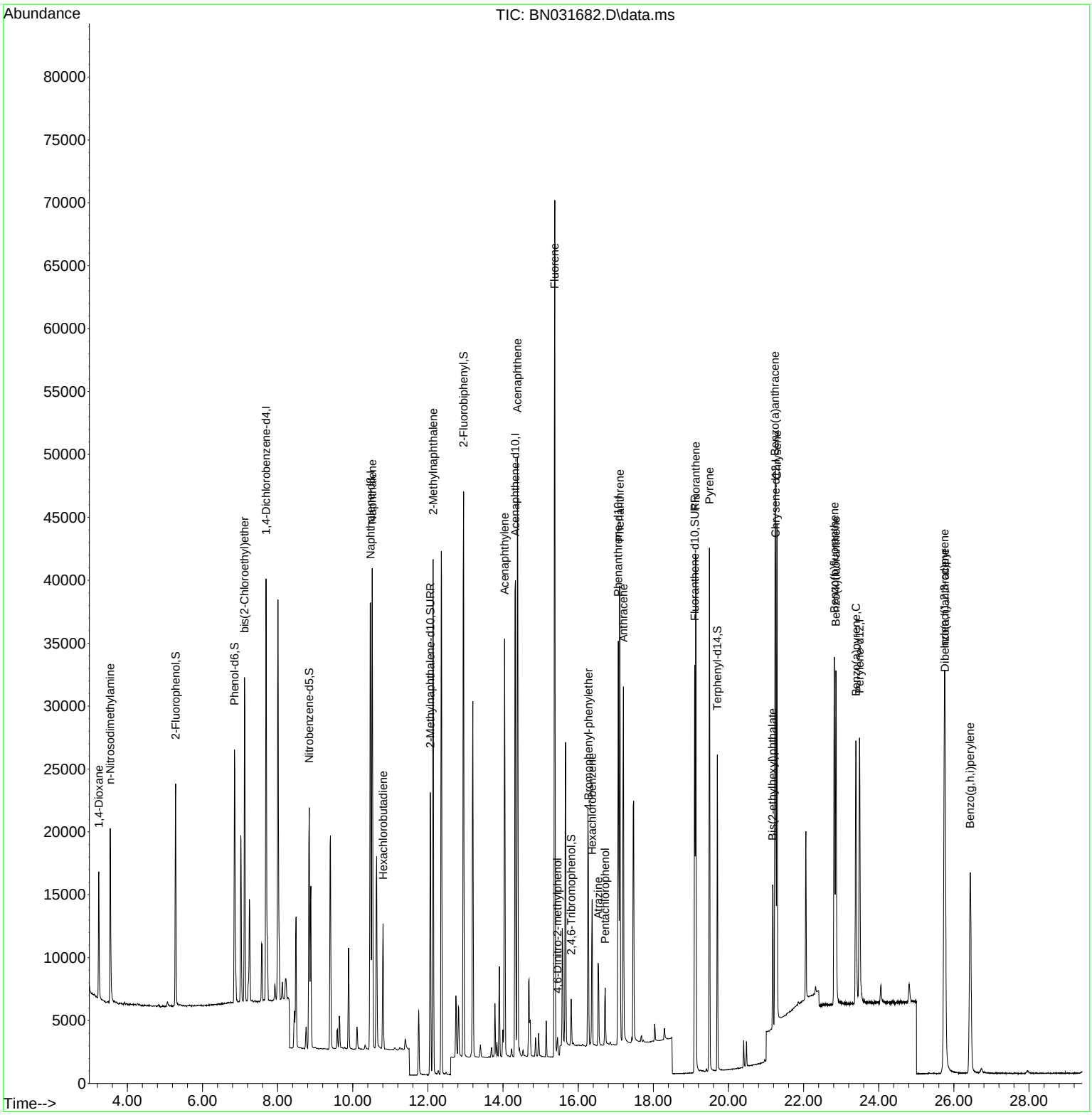
(#) = qualifier out of range (m) = manual integration (+) = signals summed

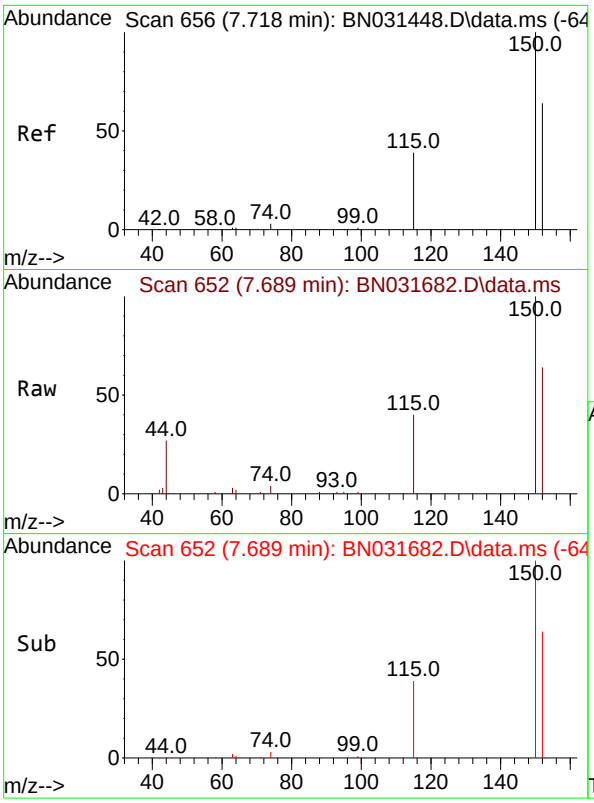
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031682.D
Acq On : 28 May 2024 18:57
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 29 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration



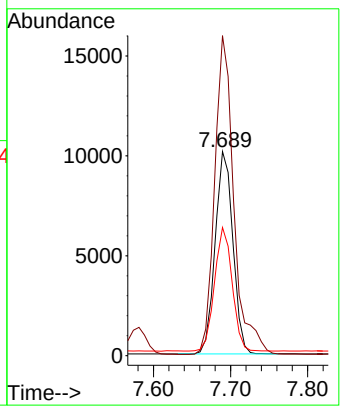


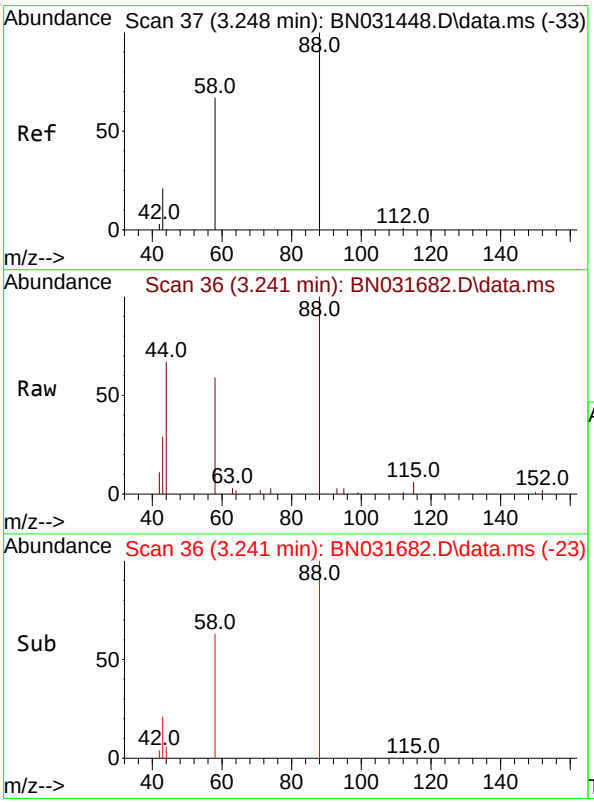
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 16183

Ion	Ratio	Lower	Upper
152	100		
150	156.7	119.3	178.9
115	62.8	54.8	82.2

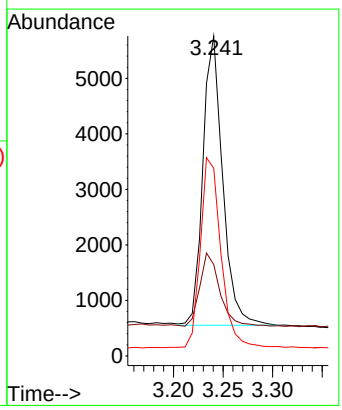


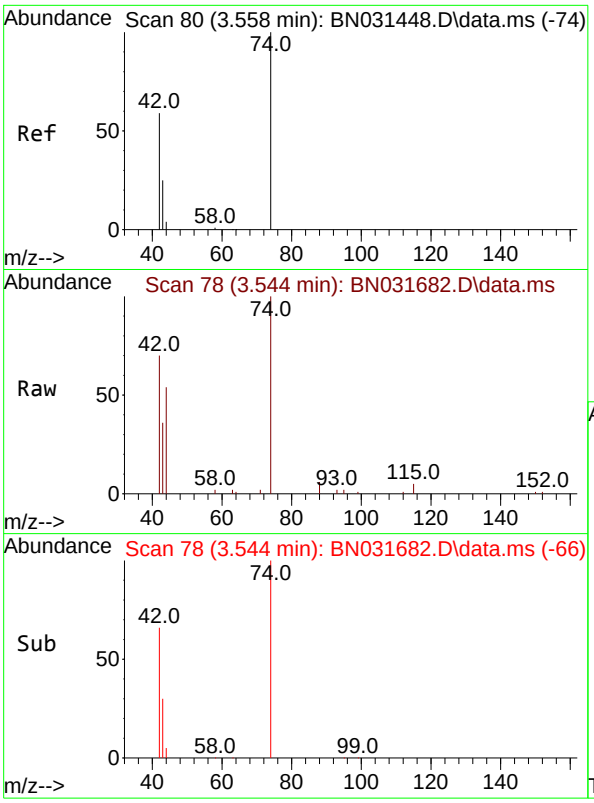


#2
1,4-Dioxane
Concen: 0.362 ng
RT: 3.241 min Scan# 36
Delta R.T. -0.007 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion: 88 Resp: 7214

Ion	Ratio	Lower	Upper
88	100		
43	25.2	39.0	58.6#
58	68.8	54.9	82.3



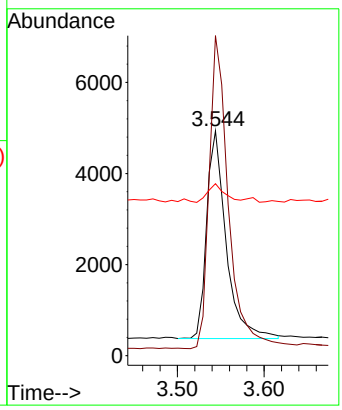


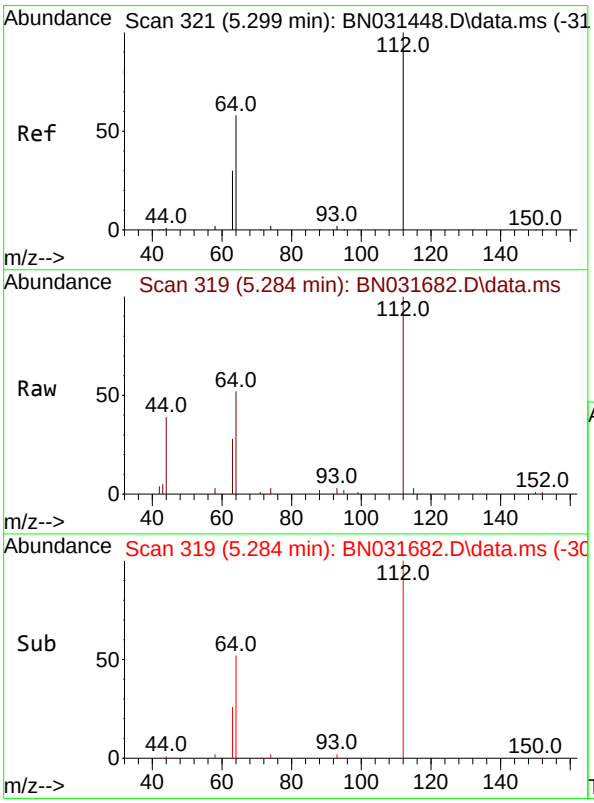
#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.544 min Scan# 7
Delta R.T. -0.014 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 7086

Ion	Ratio	Lower	Upper
42	100		
74	148.6	126.4	189.6
44	7.9	6.9	10.3

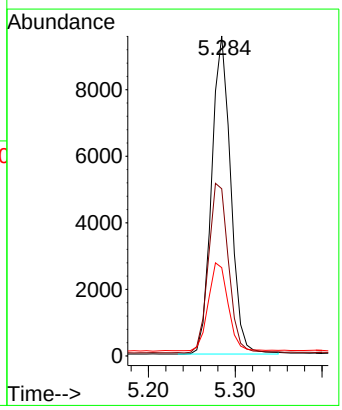


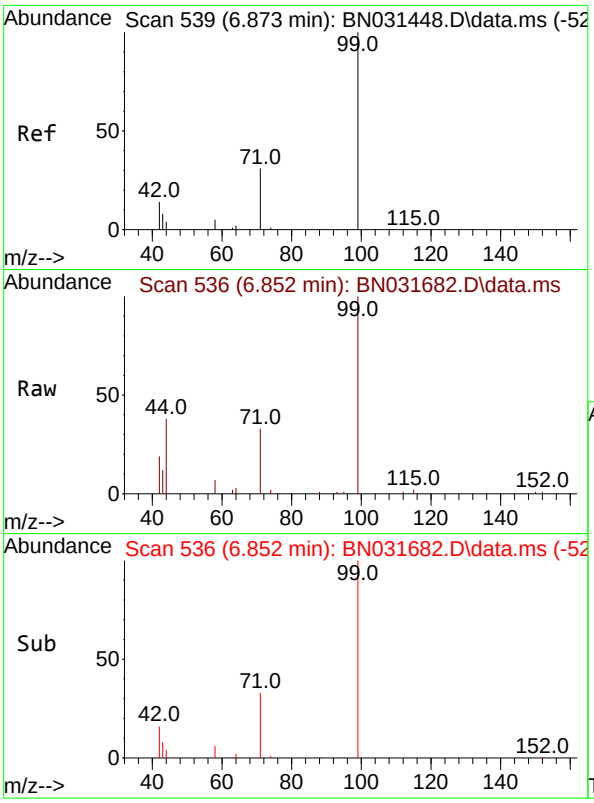


#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.284 min Scan# 319
Delta R.T. -0.014 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:112 Resp: 14567

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.0	66.0
63	28.4	22.2	33.4



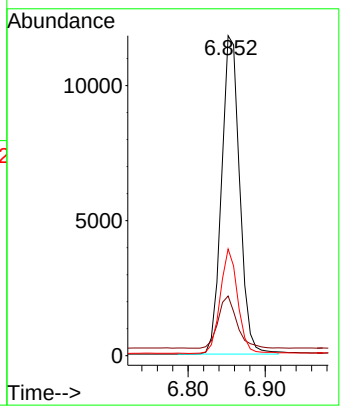


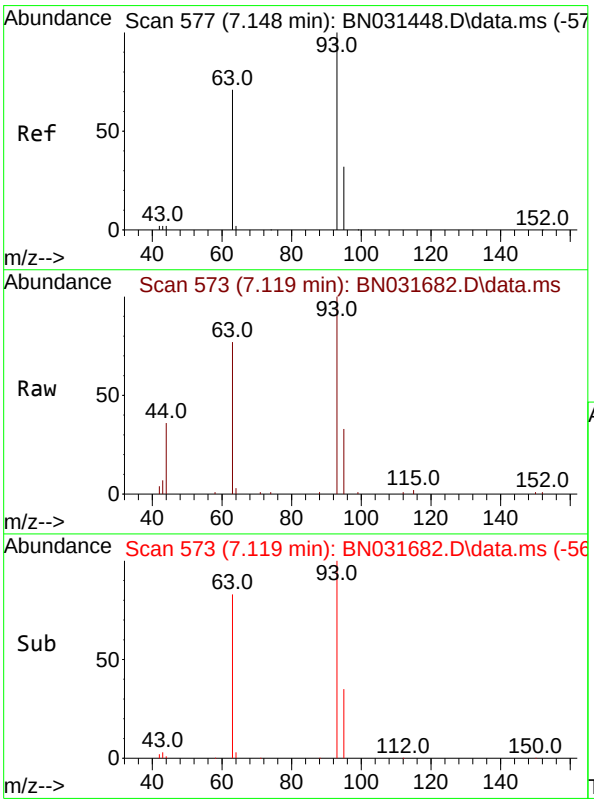
#5
Phenol-d6
Concen: 0.312 ng
RT: 6.852 min Scan# 5
Delta R.T. -0.022 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 19298

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.5	20.3
71	31.5	26.1	39.1

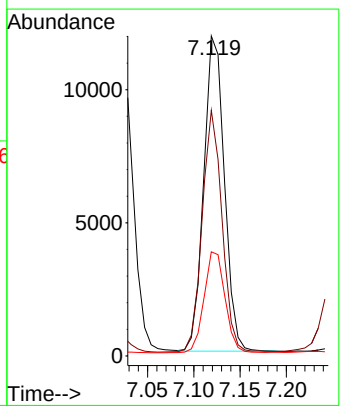


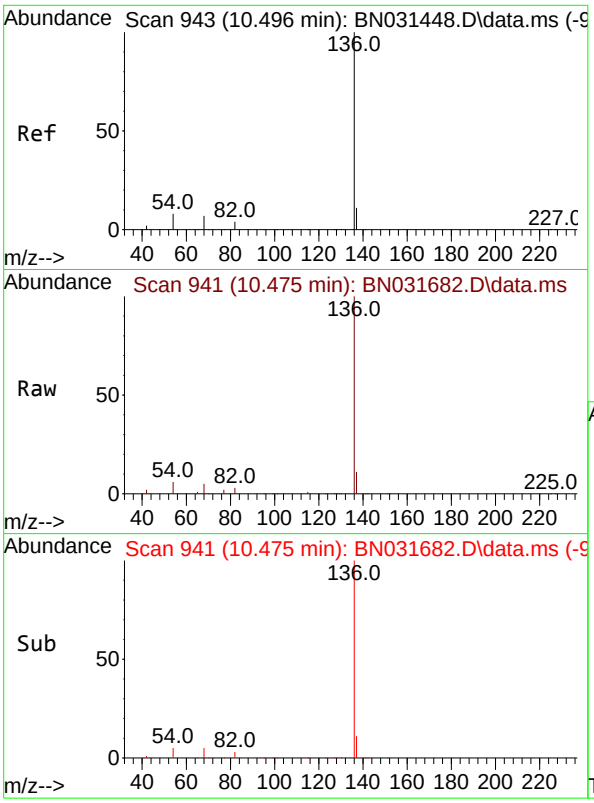


#6
bis(2-Chloroethyl)ether
Concen: 0.340 ng
RT: 7.119 min Scan# 573
Delta R.T. -0.029 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion: 93 Resp: 18358

Ion	Ratio	Lower	Upper
93	100		
63	74.0	56.6	85.0
95	32.6	27.3	40.9



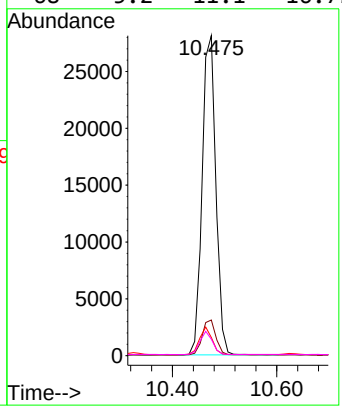


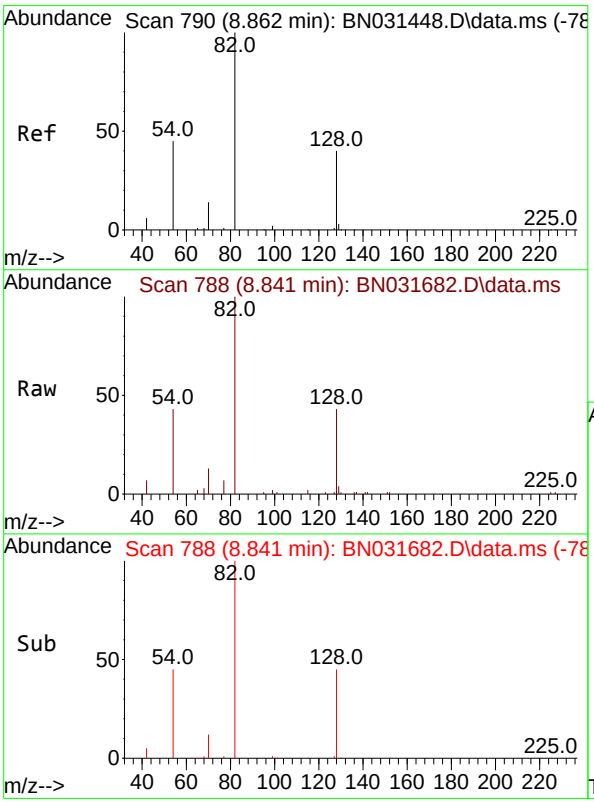
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.475 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 51120

Ion	Ratio	Lower	Upper
136	100		
137	11.2	10.1	15.1
54	5.7	10.5	15.7#
68	5.2	11.1	16.7#

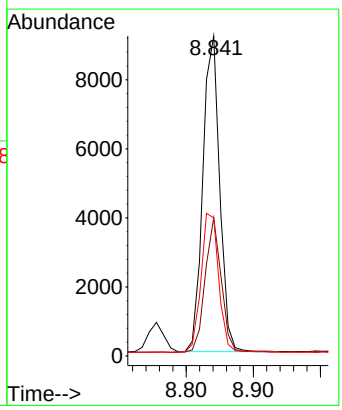


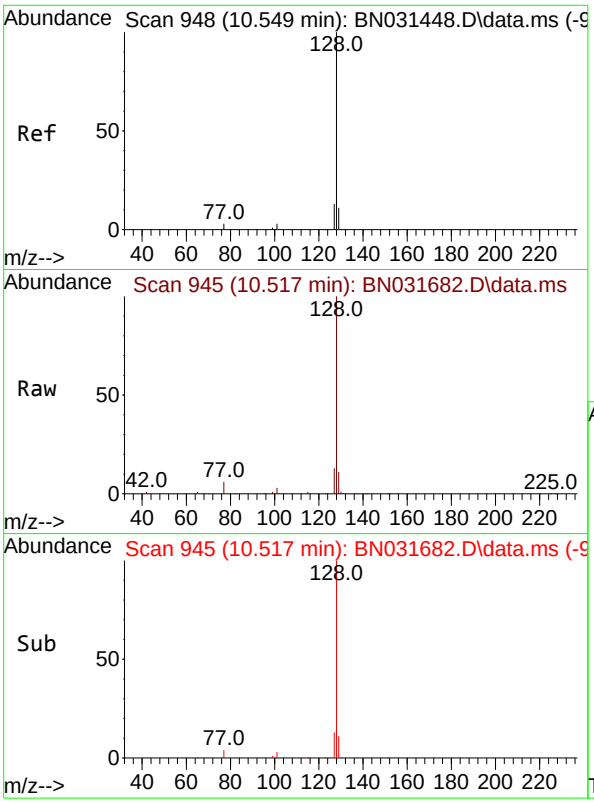


#8
Nitrobenzene-d5
Concen: 0.434 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.021 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion: 82 Resp: 15913

Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.0	43.6
54	43.2	37.2	55.8



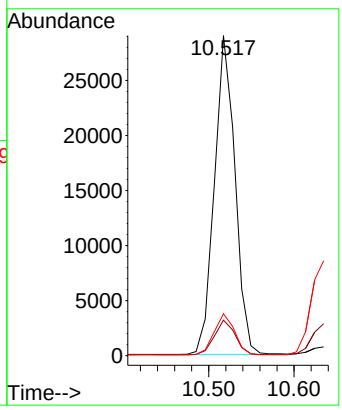


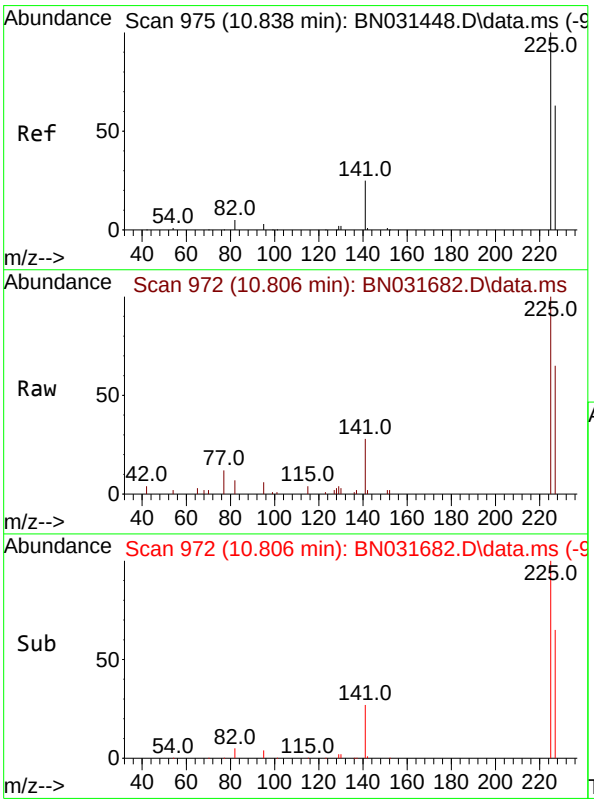
#9
Naphthalene
Concen: 0.341 ng
RT: 10.517 min Scan# 94
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 48437

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.4
127	13.1	11.7	17.5

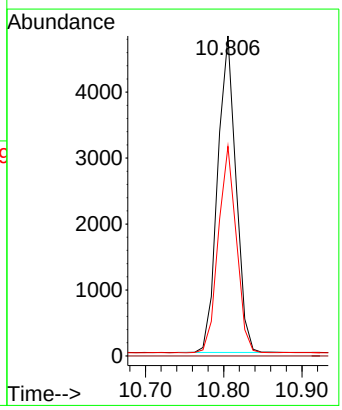


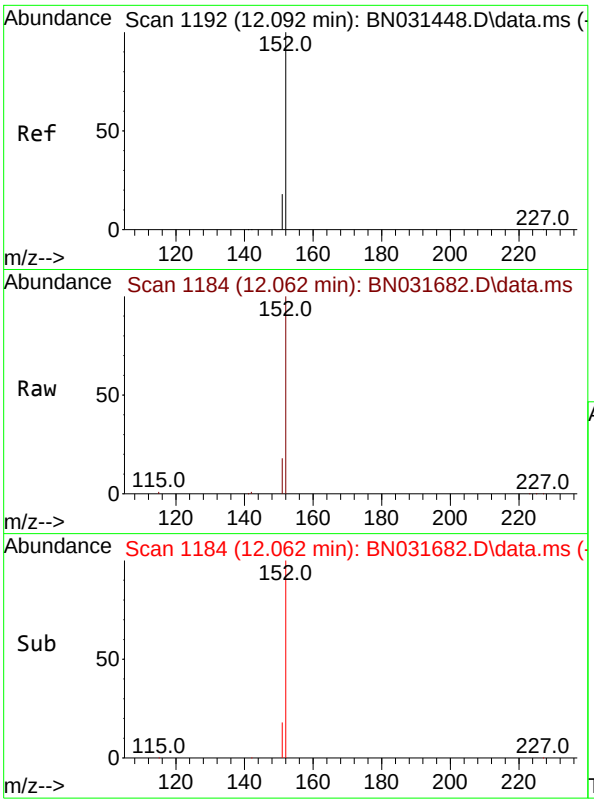


#10
Hexachlorobutadiene
Concen: 0.312 ng
RT: 10.806 min Scan# 972
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:225 Resp: 7786

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.7	76.1



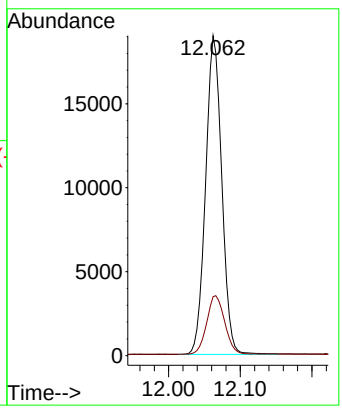


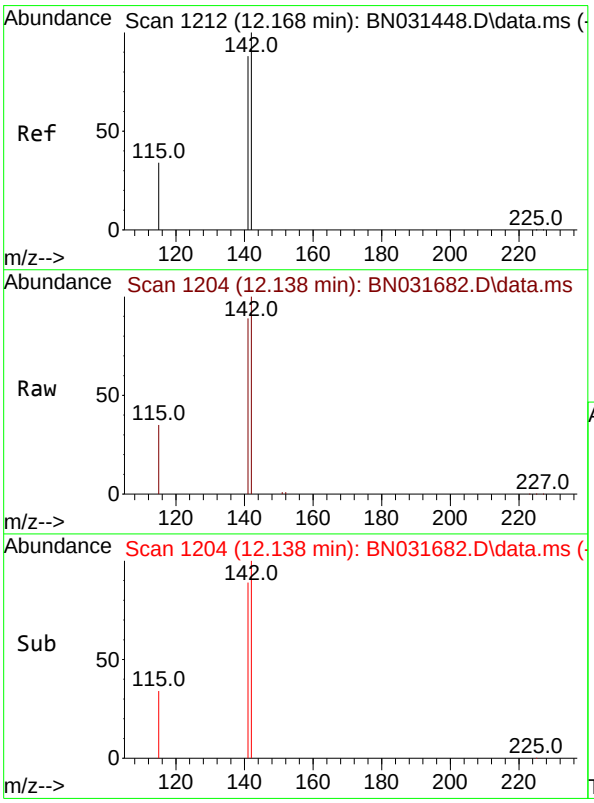
#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.062 min Scan# 11
Delta R.T. -0.030 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 29831

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

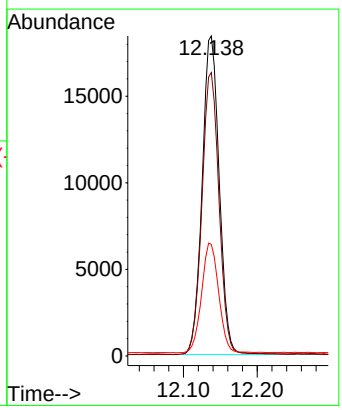


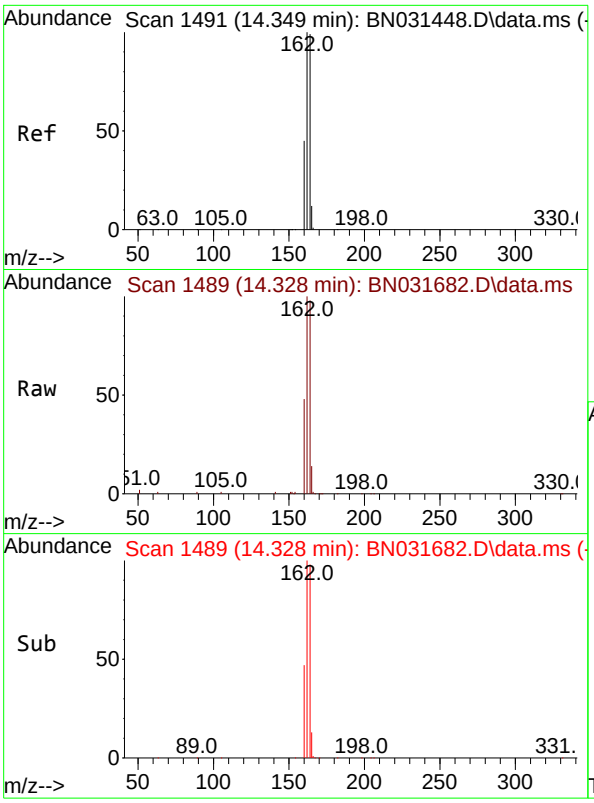


#12
2-Methylnaphthalene
Concen: 0.306 ng
RT: 12.138 min Scan# 1204
Delta R.T. -0.030 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:142 Resp: 29661

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.0	106.6
115	34.8	30.2	45.2



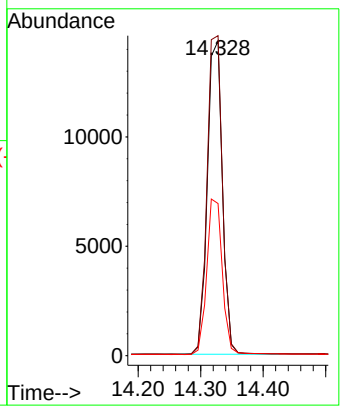


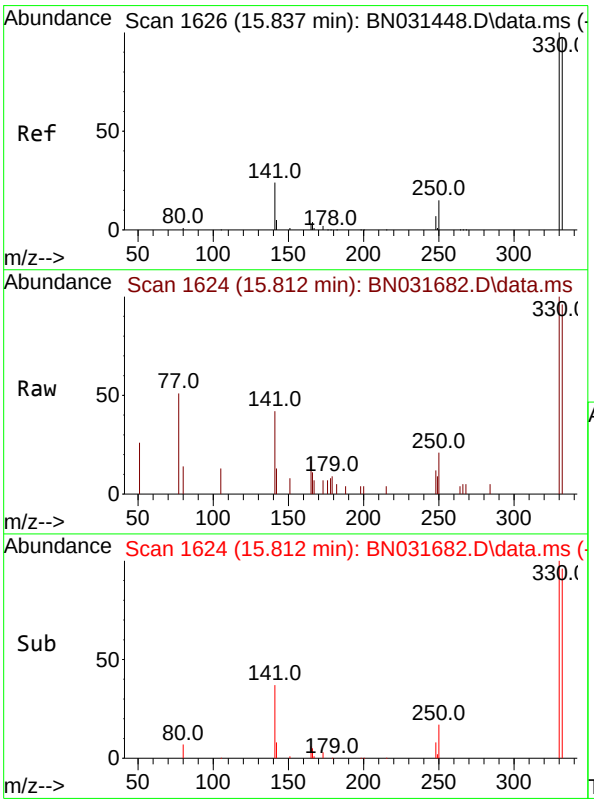
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.328 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 23916

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.2	121.8
160	48.3	37.0	55.6

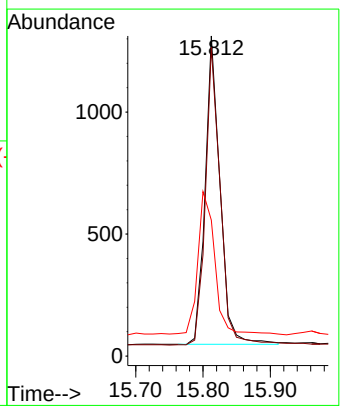


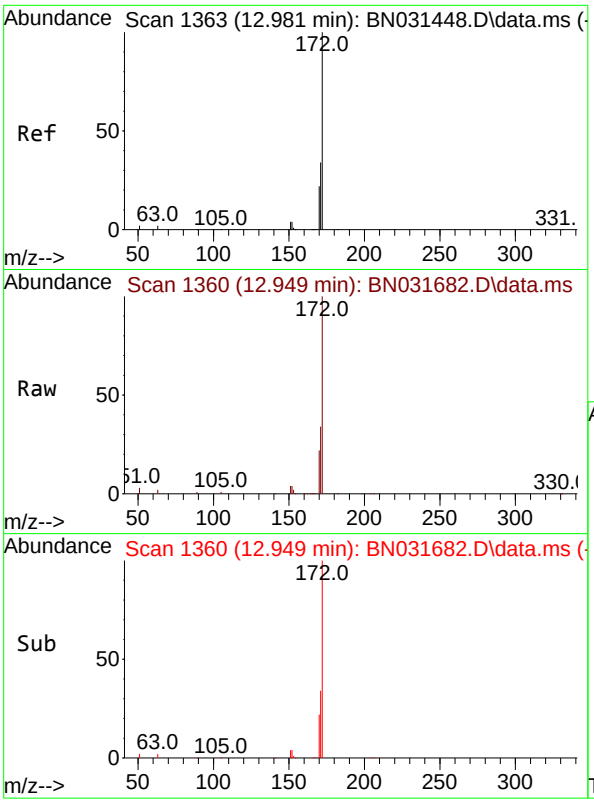


#14
2,4,6-Tribromophenol
Concen: 0.215 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:330 Resp: 1947

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	51.6	37.0	55.4



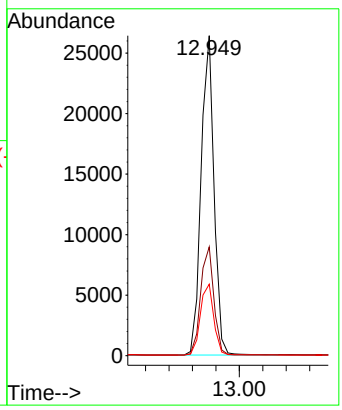


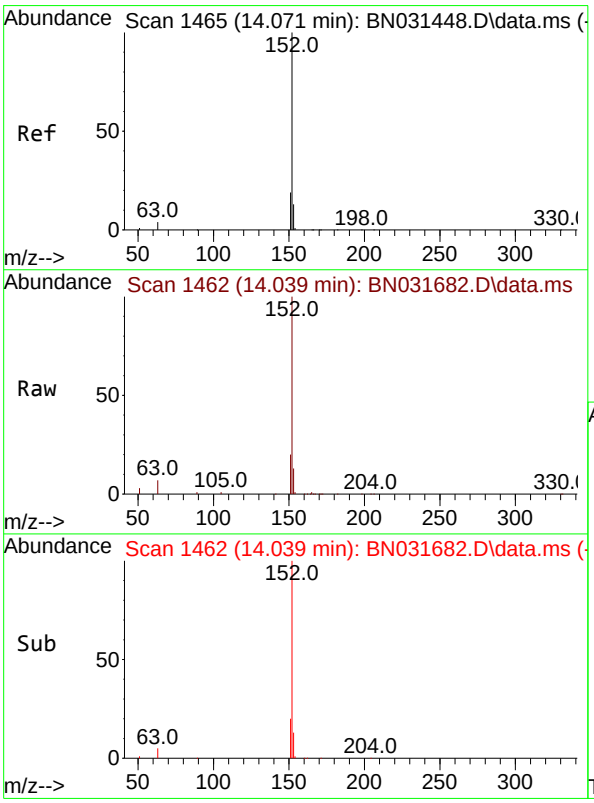
#15
2-Fluorobiphenyl
Concen: 0.439 ng
RT: 12.949 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 40513

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.8
170	22.3	18.3	27.5

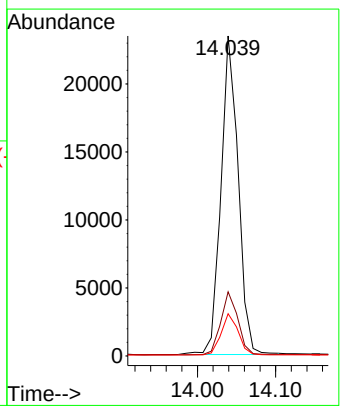


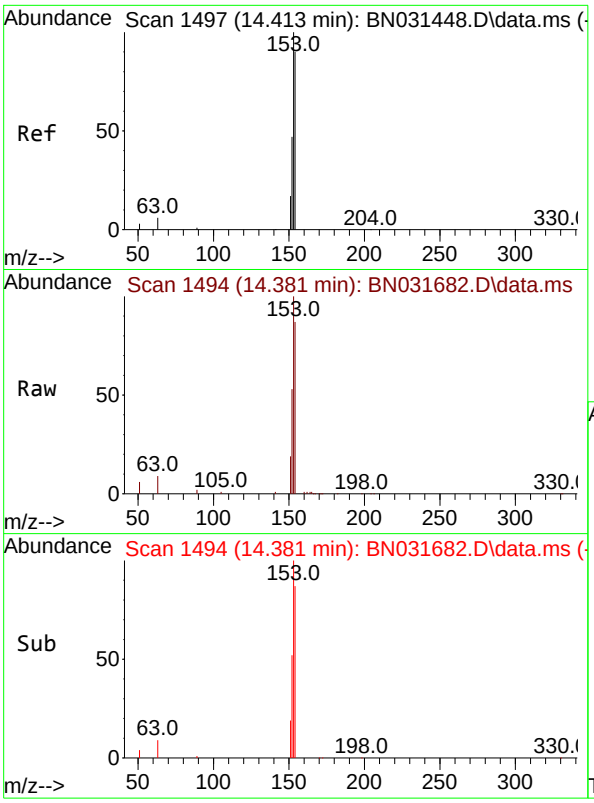


#16
Acenaphthylene
Concen: 0.298 ng
RT: 14.039 min Scan# 1462
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:152 Resp: 35917

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	12.9	10.5	15.7



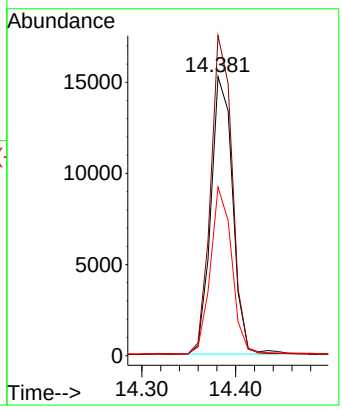


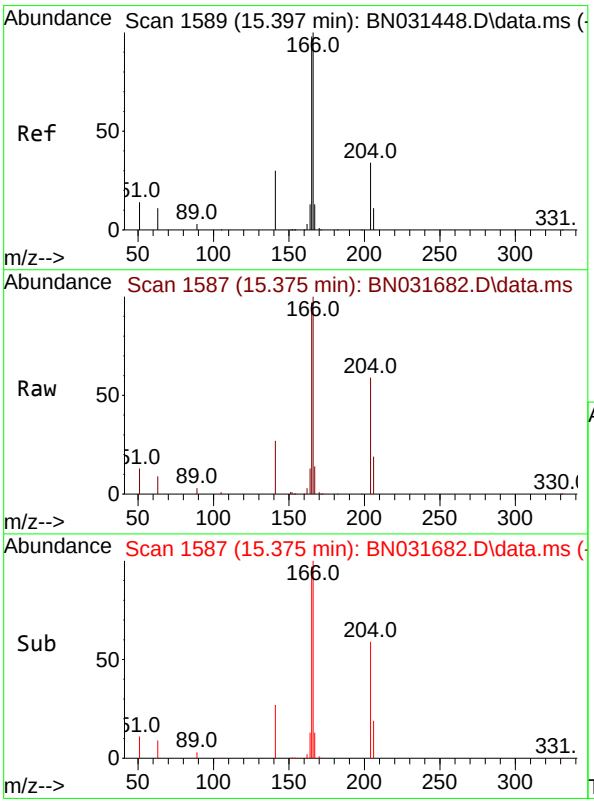
#17
Acenaphthene
Concen: 0.328 ng
RT: 14.381 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 24637

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.1	133.7
152	58.4	42.6	64.0

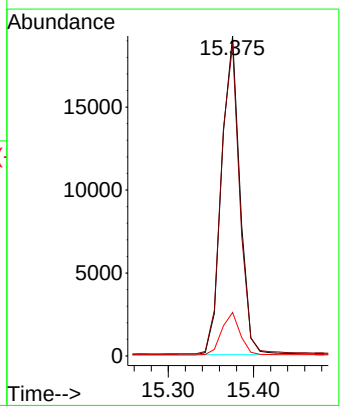


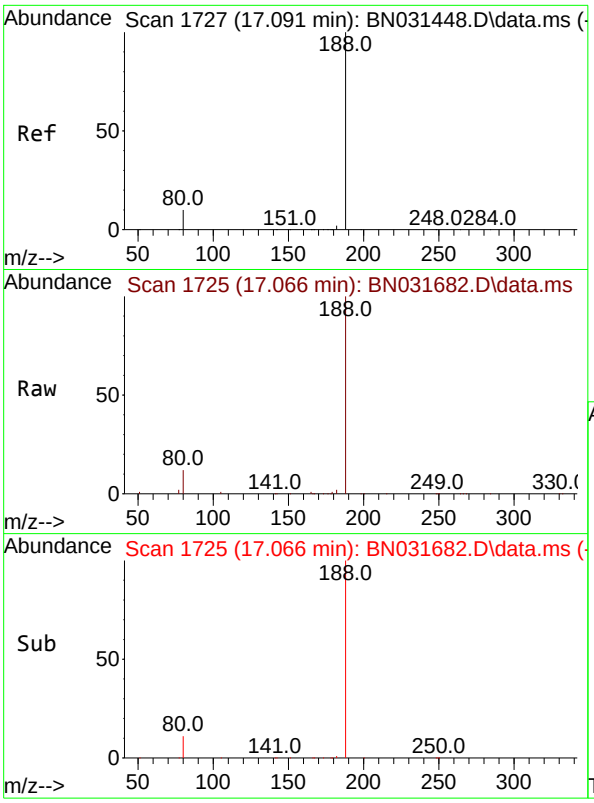


#18
Fluorene
Concen: 0.291 ng
RT: 15.375 min Scan# 1587
Delta R.T. -0.021 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:166 Resp: 28540

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.3	10.8	16.2



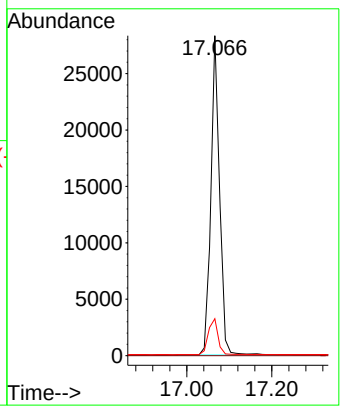


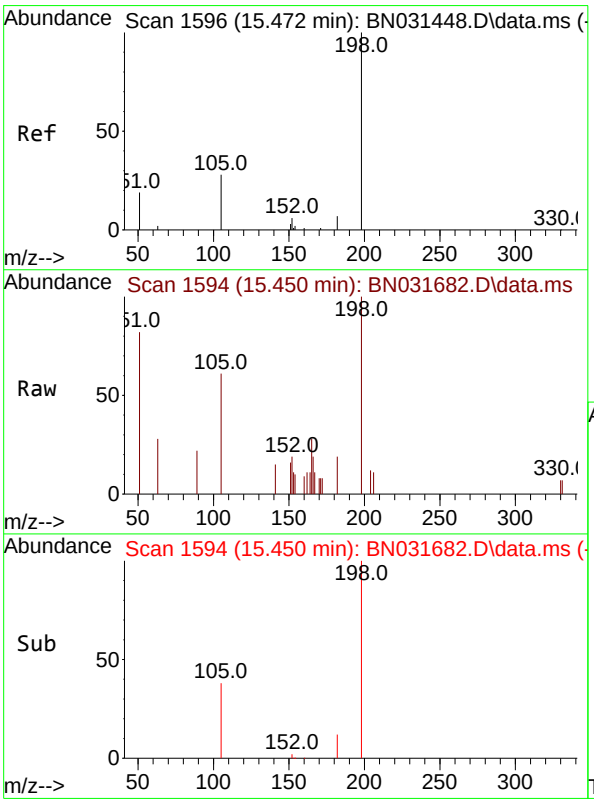
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 40201

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	9.6	14.4

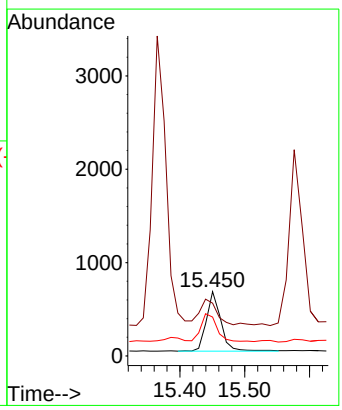


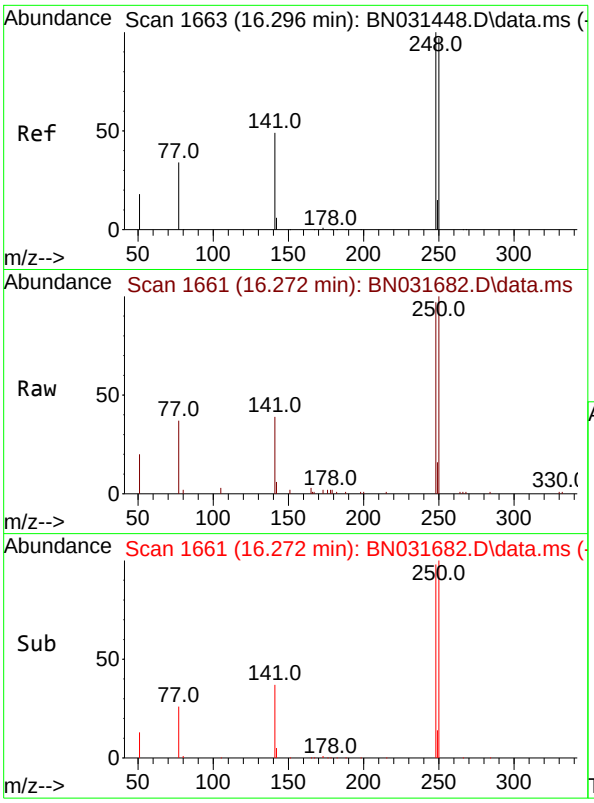


#20
4,6-Dinitro-2-methylphenol
Concen: 0.308 ng
RT: 15.450 min Scan# 1594
Delta R.T. -0.021 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:198 Resp: 1013

Ion	Ratio	Lower	Upper
198	100		
51	82.0	78.3	117.5
105	60.5	117.2	175.8#



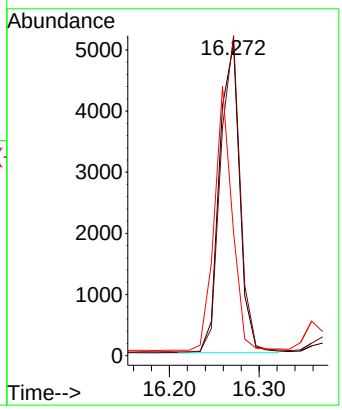


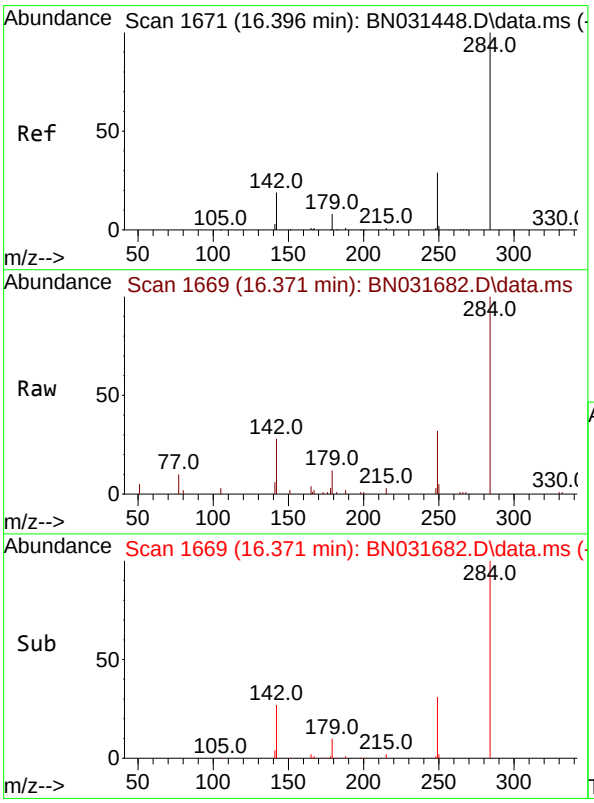
#21
4-Bromophenyl-phenylether
Concen: 0.339 ng
RT: 16.272 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 7984

Ion	Ratio	Lower	Upper
248	100		
250	102.6	77.9	116.9
141	39.5	43.4	65.2#

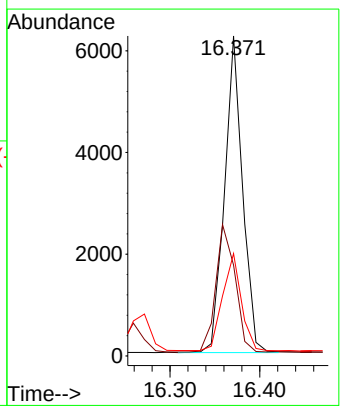


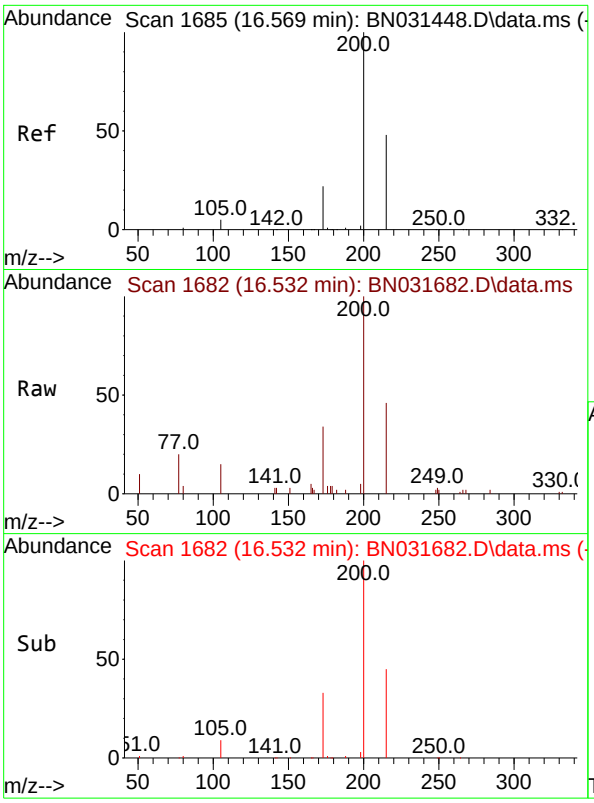


#22
Hexachlorobenzene
Concen: 0.366 ng
RT: 16.371 min Scan# 1669
Delta R.T. -0.025 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:284 Resp: 8697

Ion	Ratio	Lower	Upper
284	100		
142	42.9	31.0	46.6
249	31.7	25.5	38.3



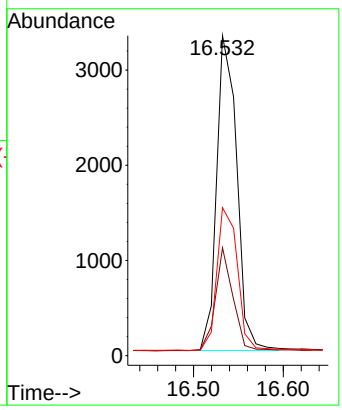


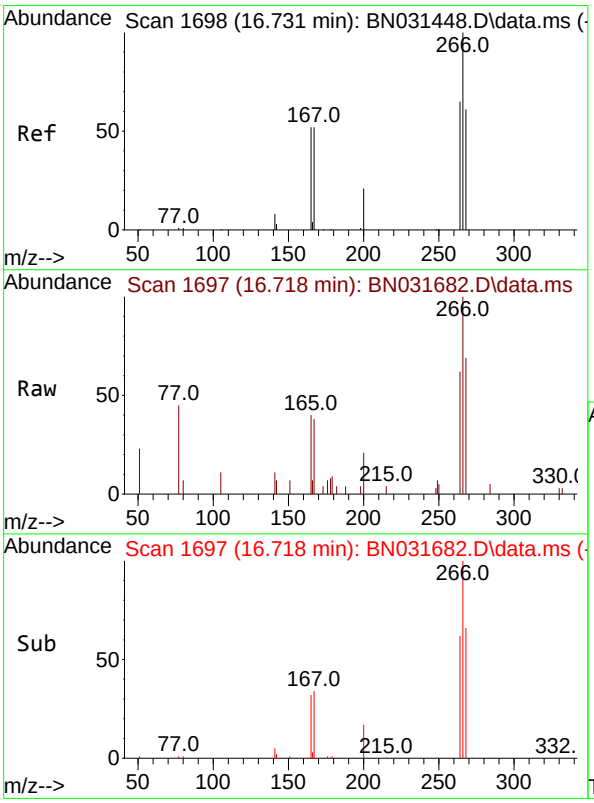
#23
Atrazine
Concen: 0.241 ng
RT: 16.532 min Scan# 1(
Delta R.T. -0.037 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 5152

Ion	Ratio	Lower	Upper
200	100		
173	33.7	19.6	29.4#
215	46.2	39.8	59.8

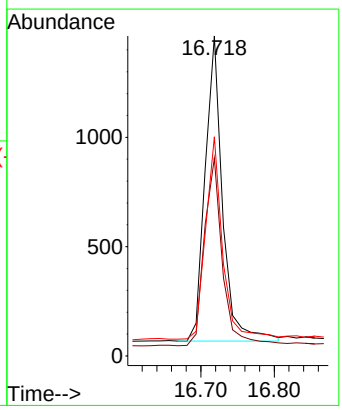


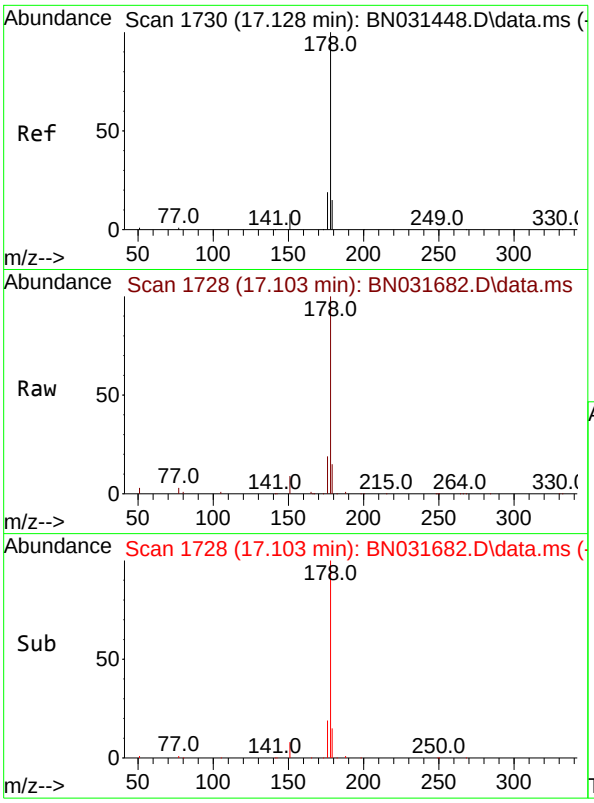


#24
Pentachlorophenol
Concen: 0.274 ng
RT: 16.718 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:266 Resp: 2300

Ion	Ratio	Lower	Upper
266	100		
264	63.9	50.6	75.8
268	64.5	49.0	73.4



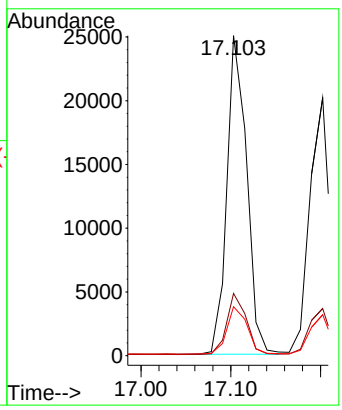


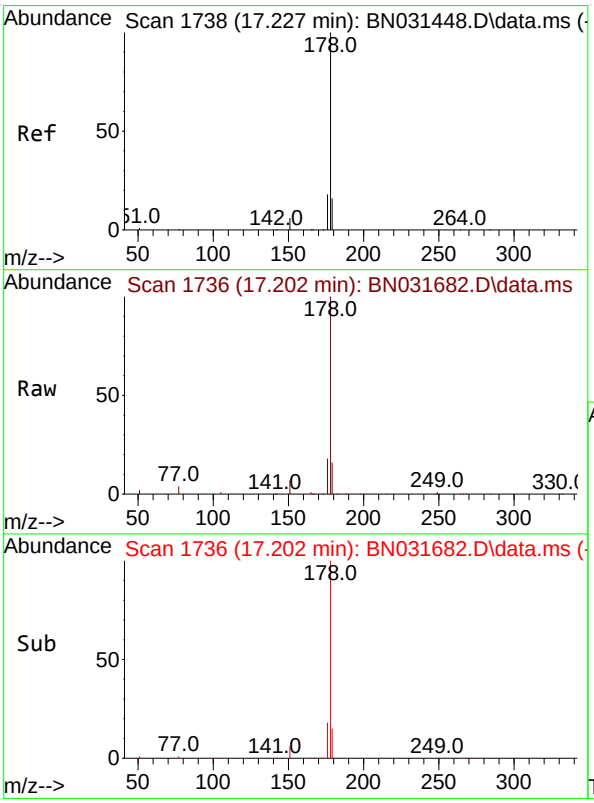
#25
Phenanthrene
Concen: 0.340 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 38279

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.3	18.5

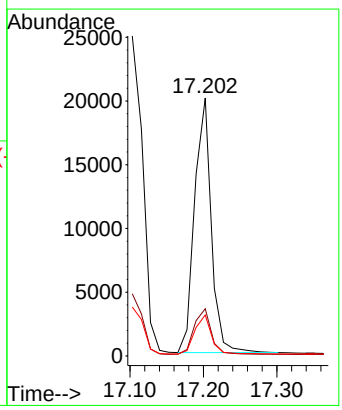


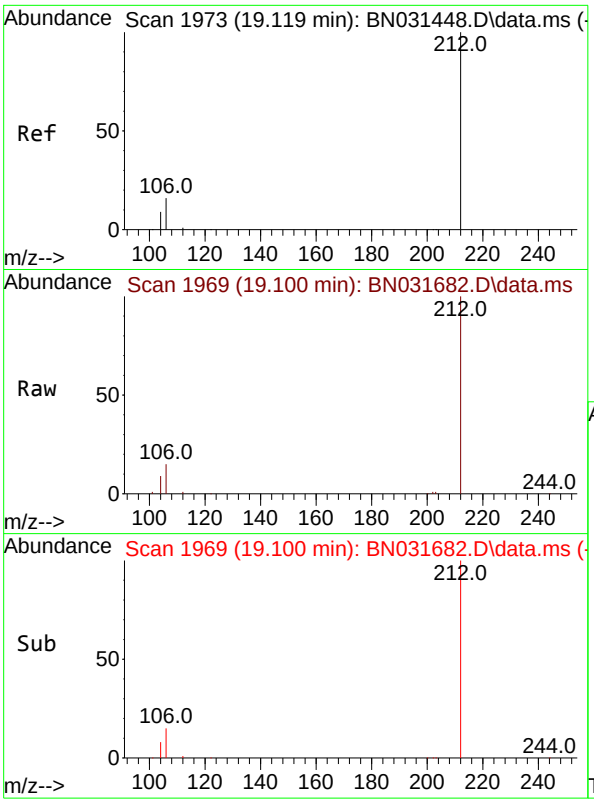


#26
Anthracene
Concen: 0.284 ng
RT: 17.202 min Scan# 1736
Delta R.T. -0.025 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:178 Resp: 31637

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.3	12.4	18.6



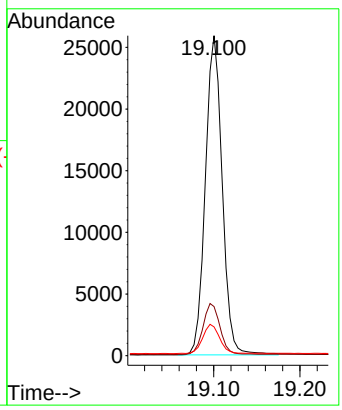


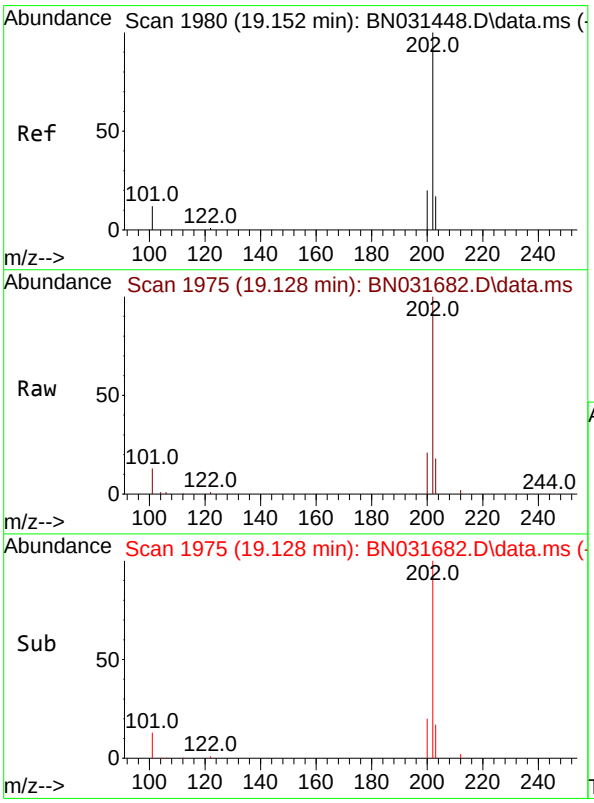
#27
Fluoranthene-d10
Concen: 0.316 ng
RT: 19.100 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 35211

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.0	18.0
104	9.2	6.9	10.3

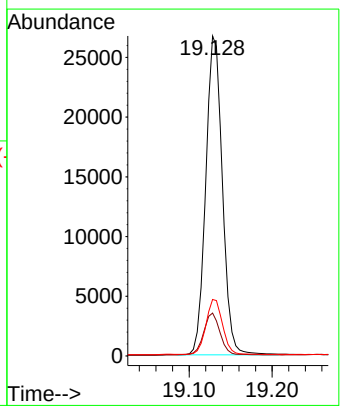


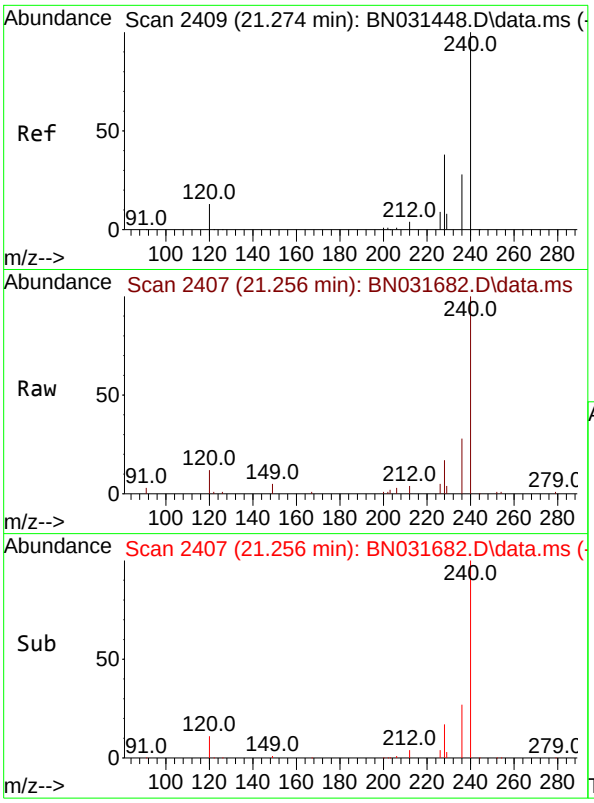


#28
Fluoranthene
Concen: 0.273 ng
RT: 19.128 min Scan# 1975
Delta R.T. -0.023 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:202 Resp: 37301

Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.8	14.6
203	17.1	13.8	20.8



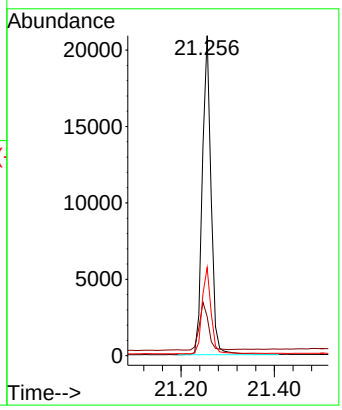


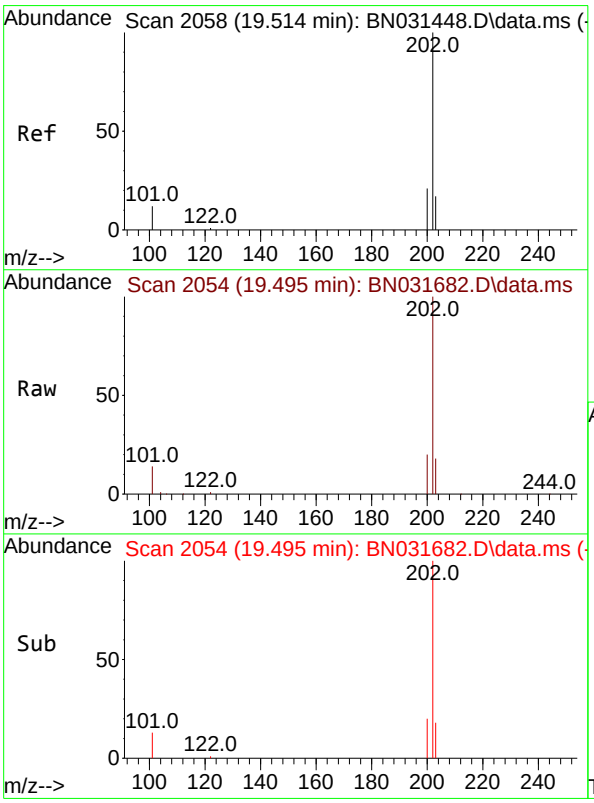
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.256 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 27306

Ion	Ratio	Lower	Upper
240	100		
120	12.2	11.4	17.2
236	27.6	22.2	33.4

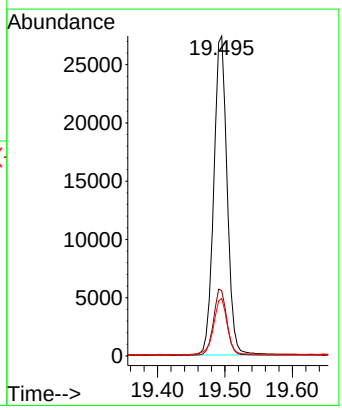


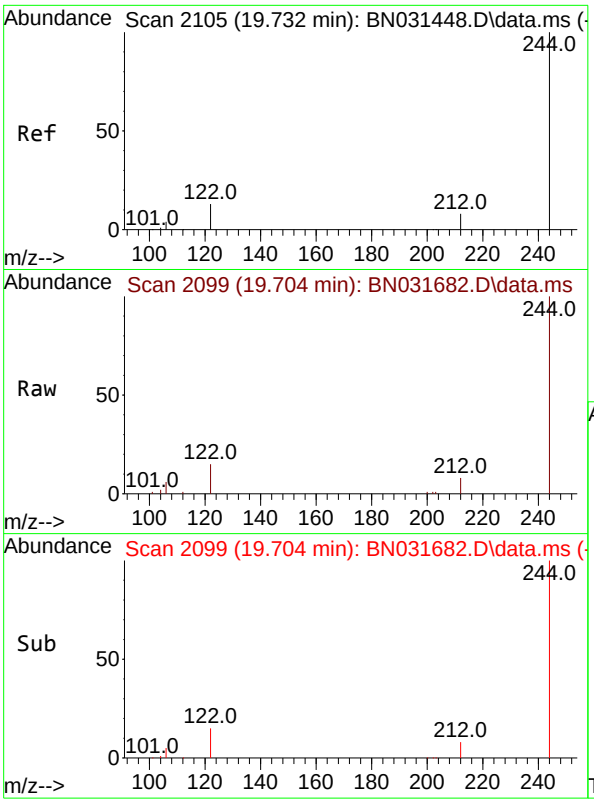


#30
Pyrene
Concen: 0.340 ng
RT: 19.495 min Scan# 2054
Delta R.T. -0.019 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:202 Resp: 37609

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	18.0	14.3	21.5



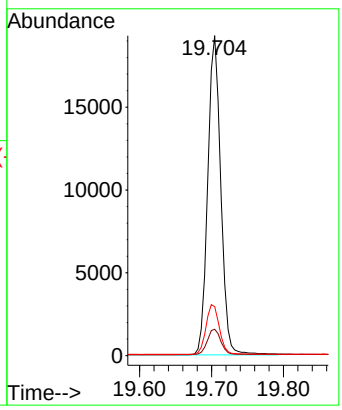


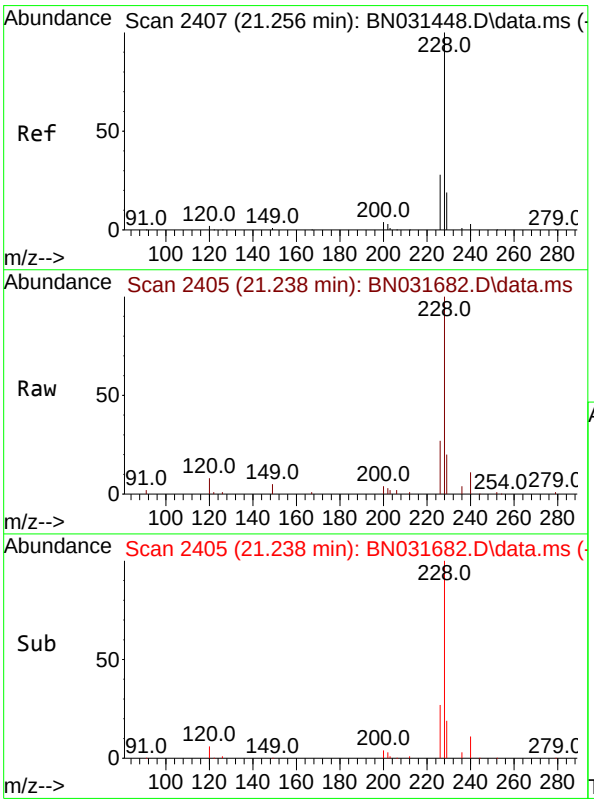
#31
Terphenyl-d14
Concen: 0.361 ng
RT: 19.704 min Scan# 2
Delta R.T. -0.028 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 24151

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	15.4	11.4	17.2

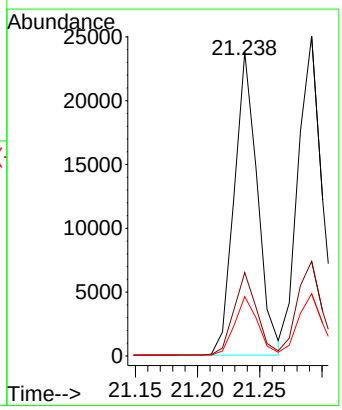


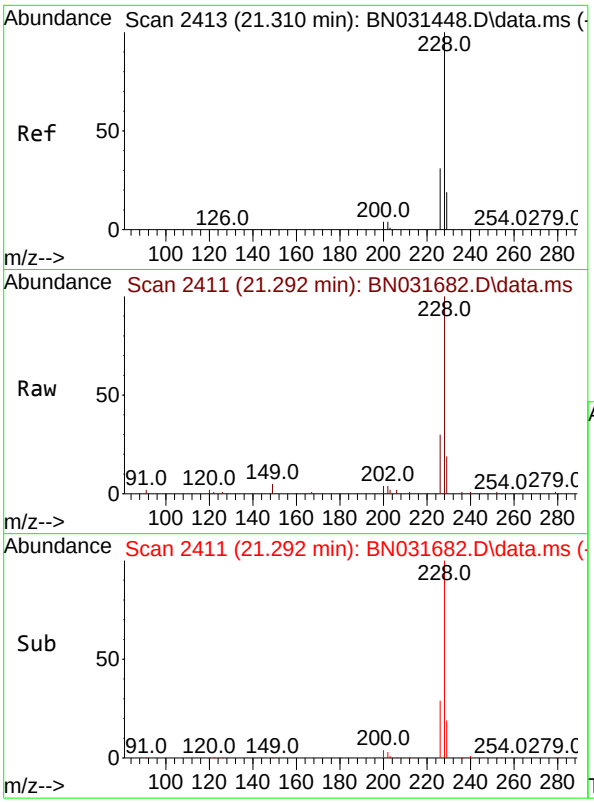


#32
Benzo(a)anthracene
Concen: 0.291 ng
RT: 21.238 min Scan# 2405
Delta R.T. -0.018 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:228 Resp: 30689

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.4	33.6
229	19.5	15.5	23.3



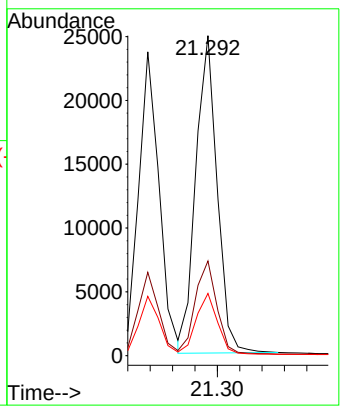


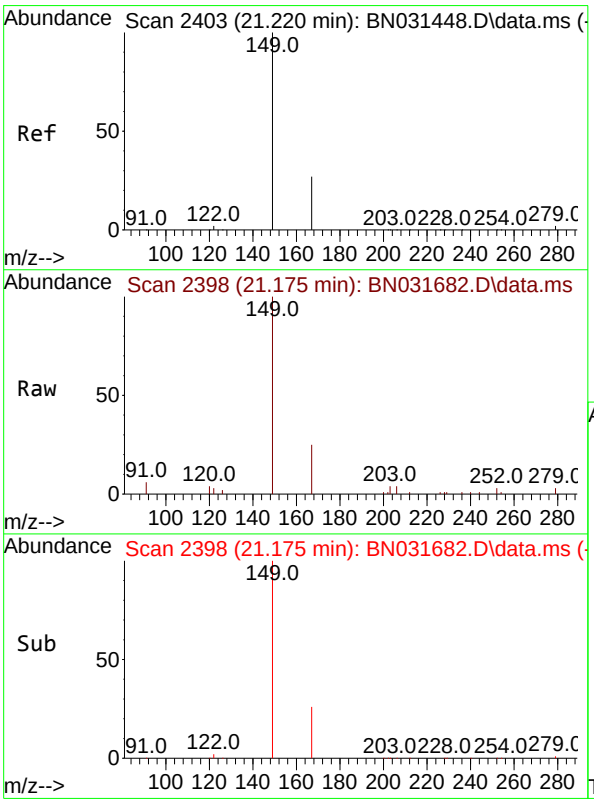
#33
Chrysene
Concen: 0.328 ng
RT: 21.292 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 32932

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.5	36.7
229	19.4	15.8	23.8

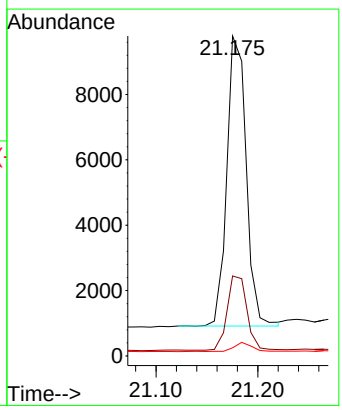


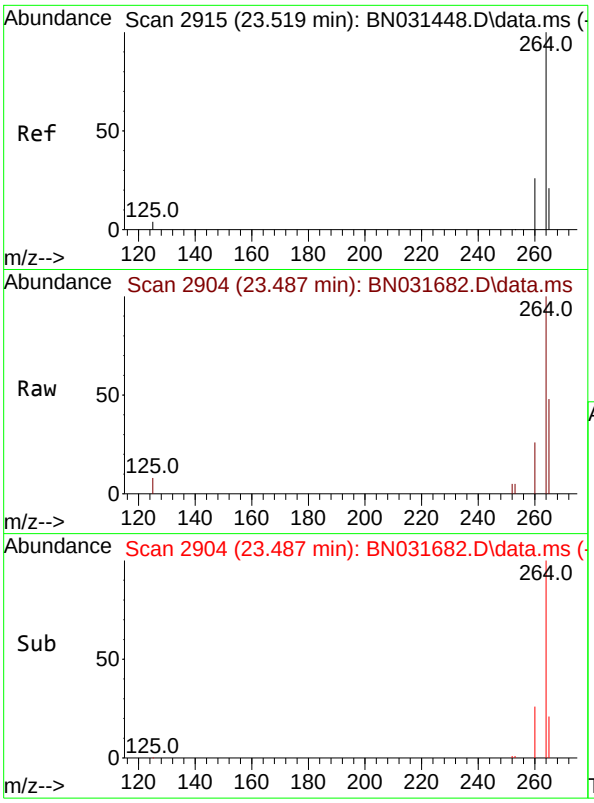


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.190 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.045 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:149 Resp: 11710

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.1	33.1
279	3.1	2.7	4.1



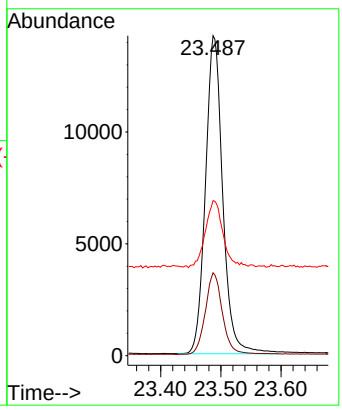


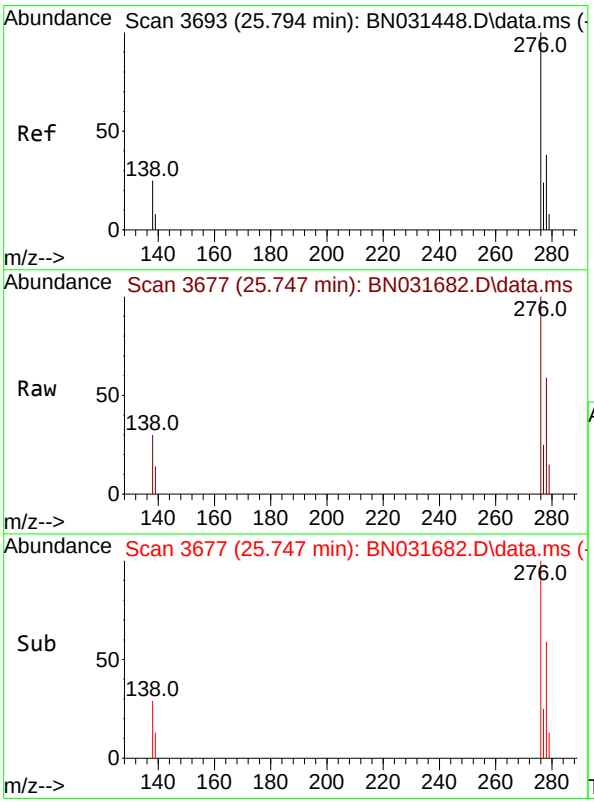
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.487 min Scan# 2
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 28359

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.6	31.0
265	48.4	24.0	36.0#

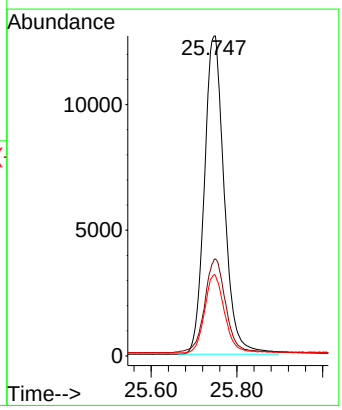


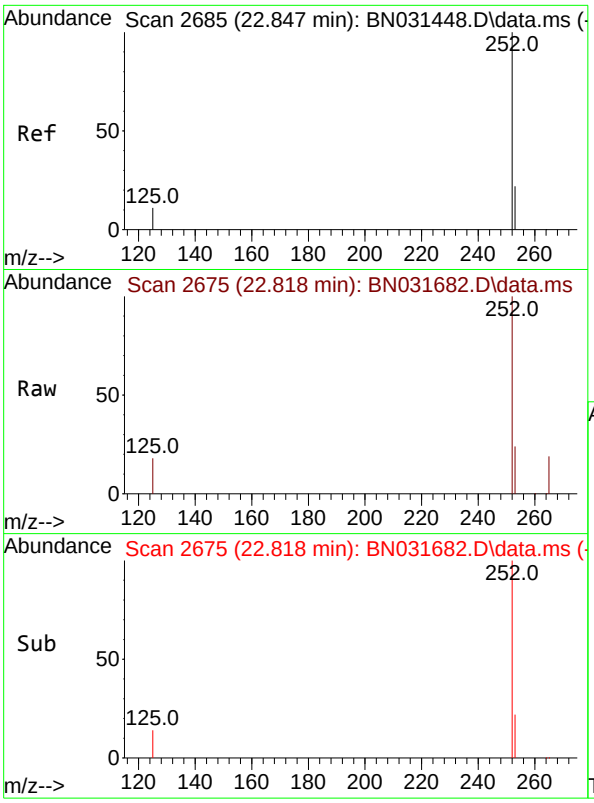


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.361 ng
RT: 25.747 min Scan# 3677
Delta R.T. -0.047 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:276 Resp: 40810

Ion	Ratio	Lower	Upper
276	100		
138	31.0	23.0	34.6
277	24.5	19.9	29.9



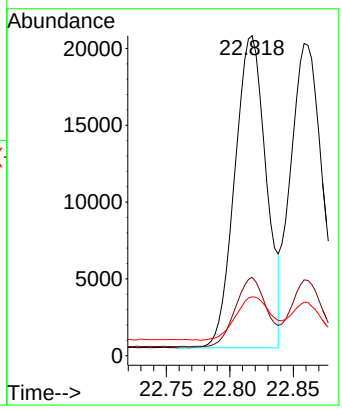


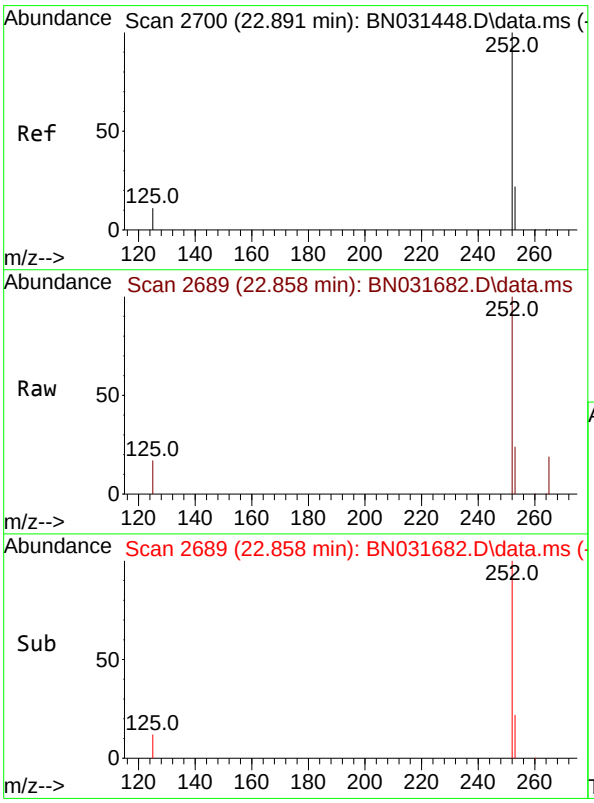
#37
Benzo(b)fluoranthene
Concen: 0.343 ng
RT: 22.818 min Scan# 2
Delta R.T. -0.029 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 34928

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.4
125	18.4	10.5	15.7#

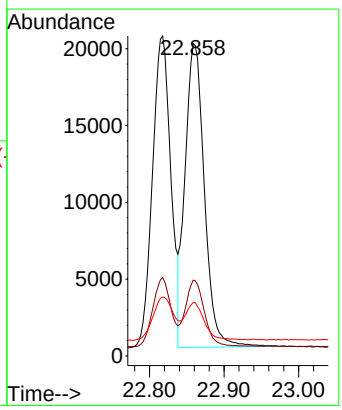


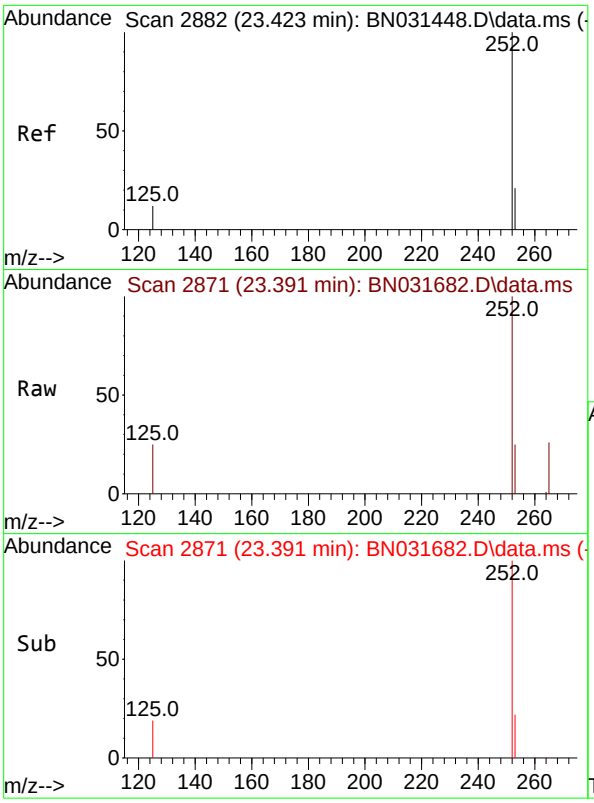


#38
Benzo(k)fluoranthene
Concen: 0.369 ng
RT: 22.858 min Scan# 2689
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:252 Resp: 35568

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	17.1	11.0	16.6#



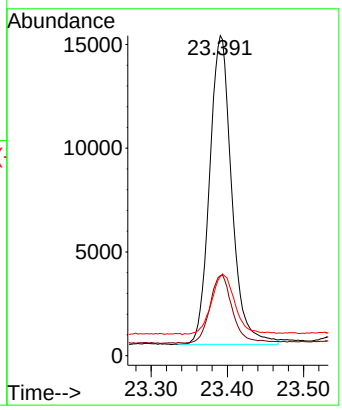


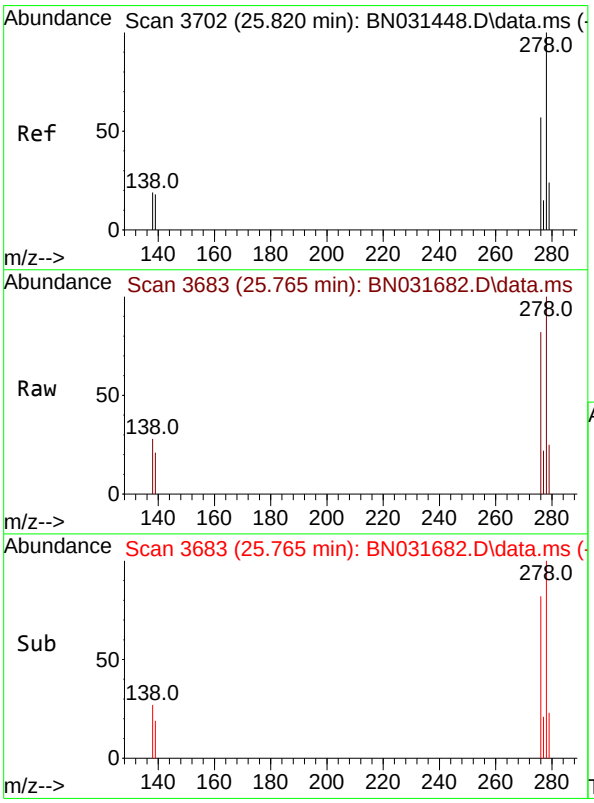
#39
Benzo(a)pyrene
Concen: 0.339 ng
RT: 23.391 min Scan# 2
Delta R.T. -0.032 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 29975

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	24.7	11.9	17.9#

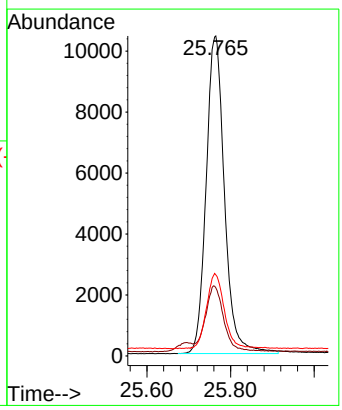


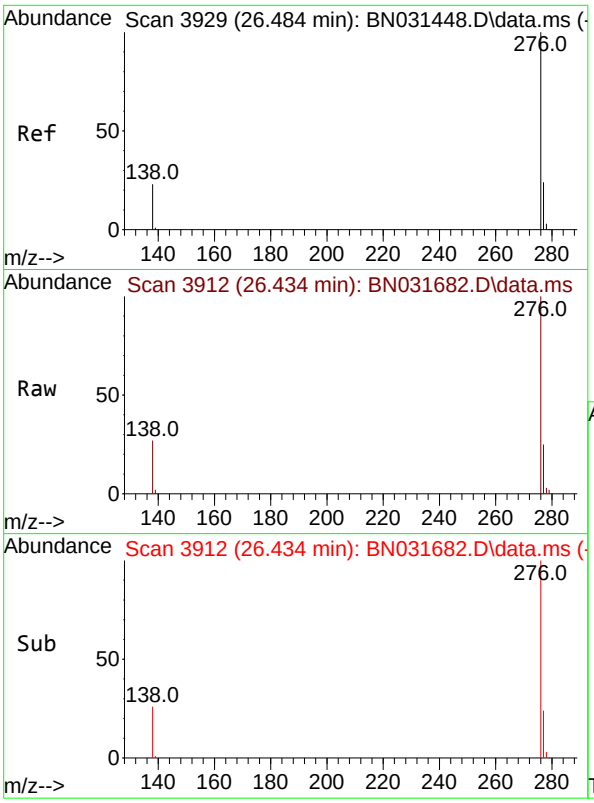


#40
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 25.765 min Scan# 3683
Delta R.T. -0.056 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Tgt Ion:278 Resp: 31737

Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	25.4	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.351 ng
RT: 26.434 min Scan# 3
Delta R.T. -0.050 min
Lab File: BN031682.D
Acq: 28 May 2024 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 33843

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	27.3	20.4	30.6