Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051324\
Data File : BN031505.D
Acq On : 13 May 2024 17:05
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 13 17:48:04 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

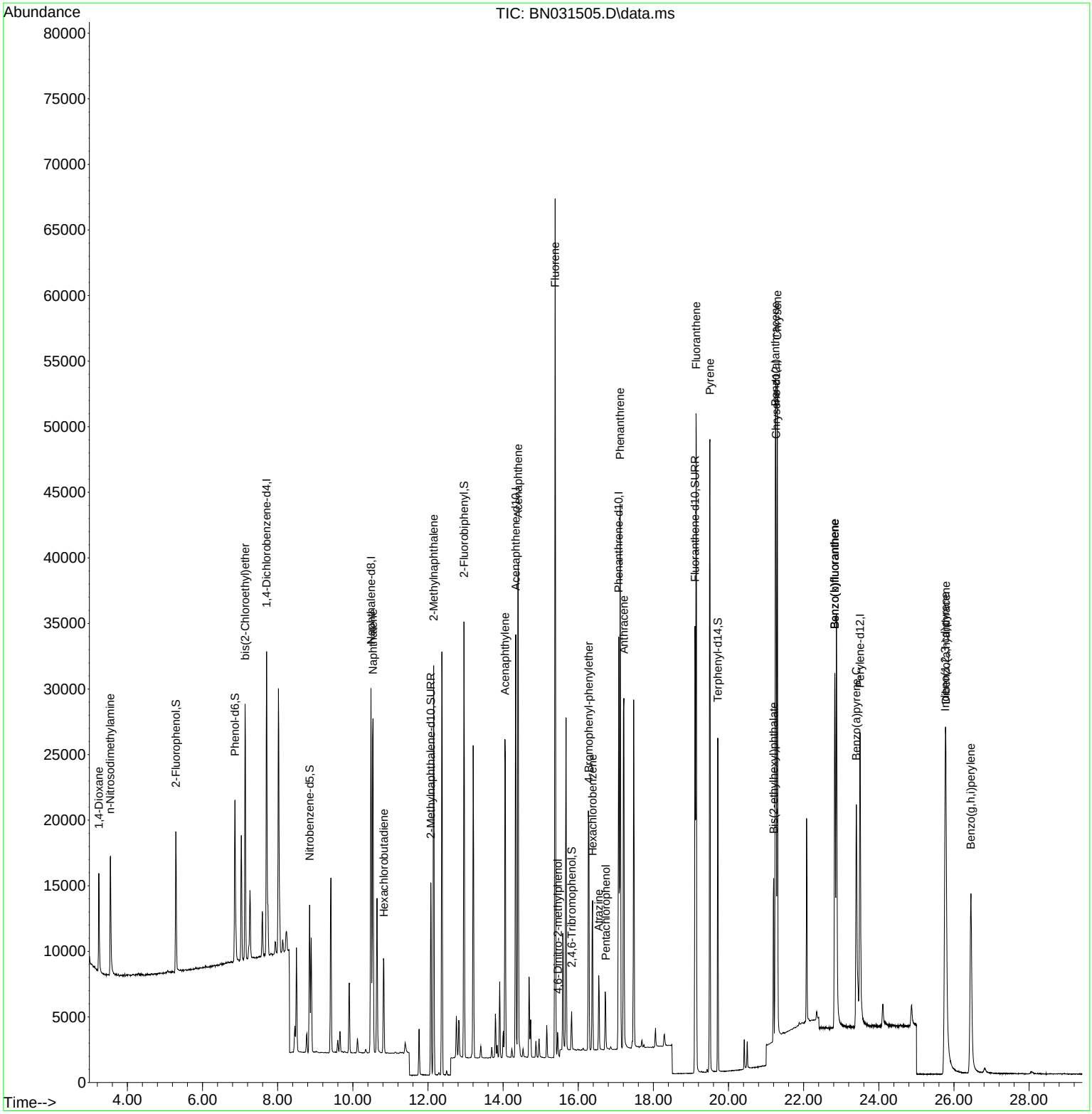
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.704	152	11211	0.400	ng		-0.01
7) Naphthalene-d8	10.485	136	35141	0.400	ng		#-0.01
13) Acenaphthene-d10	14.338	164	18039	0.400	ng		-0.01
19) Phenanthrene-d10	17.078	188	39261	0.400	ng		-0.01
29) Chrysene-d12	21.265	240	30488	0.400	ng		0.00
35) Perylene-d12	23.502	264	31140	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.292	112	8700	0.273	ng		0.00
5) Phenol-d6	6.866	99	12071	0.281	ng		0.00
8) Nitrobenzene-d5	8.851	82	8836	0.350	ng		-0.01
11) 2-Methylnaphthalene-d10	12.077	152	19508	0.344	ng		-0.02
14) 2,4,6-Tribromophenol	15.825	330	1609	0.235	ng		-0.01
15) 2-Fluorobiphenyl	12.959	172	27239	0.392	ng		-0.02
27) Fluoranthene-d10	19.110	212	35824	0.329	ng		0.00
31) Terphenyl-d14	19.718	244	24075	0.323	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	5026	0.364	ng	#	84
3) n-Nitrosodimethylamine	3.544	42	5873	0.431	ng		77
6) bis(2-Chloroethyl)ether	7.133	93	13454	0.360	ng		93
9) Naphthalene	10.538	128	35127	0.360	ng		96
10) Hexachlorobutadiene	10.827	225	6115	0.357	ng	#	100
12) 2-Methylnaphthalene	12.153	142	22144	0.332	ng		99
16) Acenaphthylene	14.050	152	28516	0.314	ng		100
17) Acenaphthene	14.402	154	20339	0.359	ng		96
18) Fluorene	15.386	166	25489	0.344	ng		100
20) 4,6-Dinitro-2-methylph...	15.461	198	1353	0.422	ng	#	37
21) 4-Bromophenyl-phenylether	16.284	248	7755	0.337	ng	#	92
22) Hexachlorobenzene	16.383	284	9071	0.391	ng		95
23) Atrazine	16.544	200	4588	0.220	ng	#	89
24) Pentachlorophenol	16.731	266	2163	0.264	ng		98
25) Phenanthrene	17.115	178	40450	0.368	ng		100
26) Anthracene	17.215	178	33713	0.310	ng		100
28) Fluoranthene	19.137	202	44354	0.332	ng		99
30) Pyrene	19.504	202	44358	0.359	ng		100
32) Benzo(a)anthracene	21.247	228	34934	0.297	ng		100
33) Chrysene	21.300	228	40405	0.361	ng		99
34) Bis(2-ethylhexyl)phtha...	21.202	149	12623	0.183	ng		96
36) Indeno(1,2,3-cd)pyrene	25.767	276	38906	0.313	ng		97
37) Benzo(b)fluoranthene	22.829	252	36182	0.324	ng		98
38) Benzo(k)fluoranthene	22.829	252	36182	0.342	ng		98
39) Benzo(a)pyrene	23.402	252	29500	0.304	ng	#	95
40) Dibenzo(a,h)anthracene	25.785	278	31089	0.316	ng		95
41) Benzo(g,h,i)perylene	26.452	276	30811	0.291	ng		97

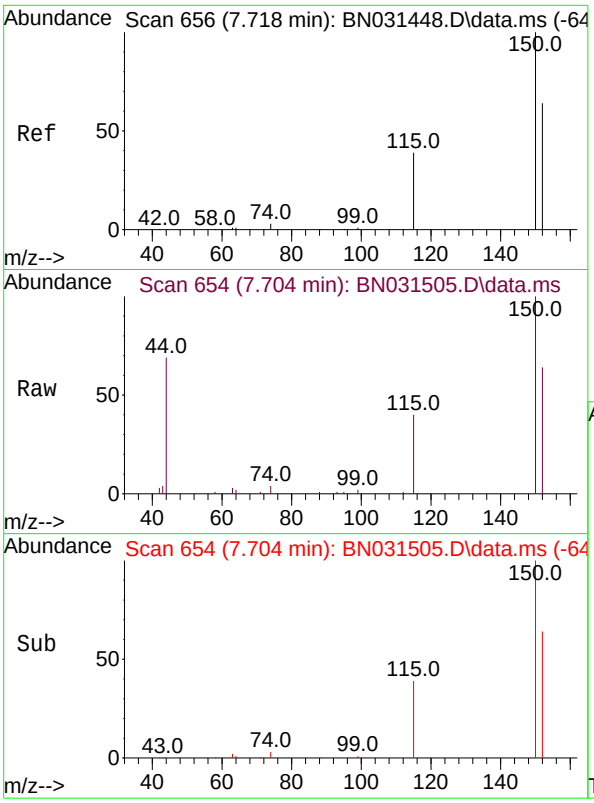
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051324\
Data File : BN031505.D
Acq On : 13 May 2024 17:05
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 13 17:48:04 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



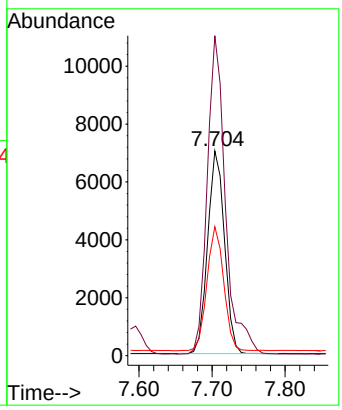


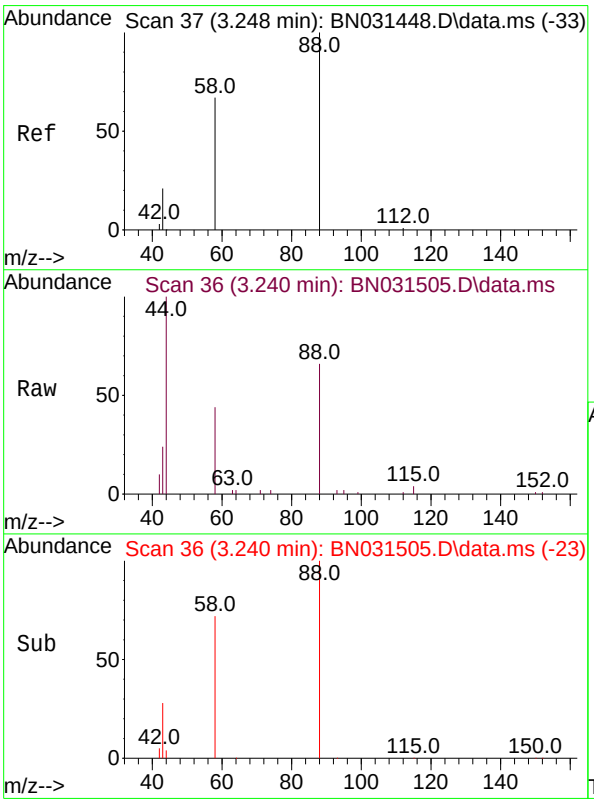
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.704 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 11211

Ion	Ratio	Lower	Upper
152	100		
150	156.3	119.3	178.9
115	63.0	54.8	82.2

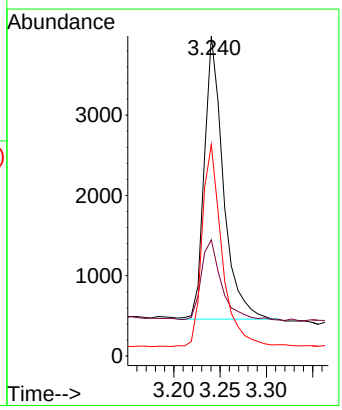


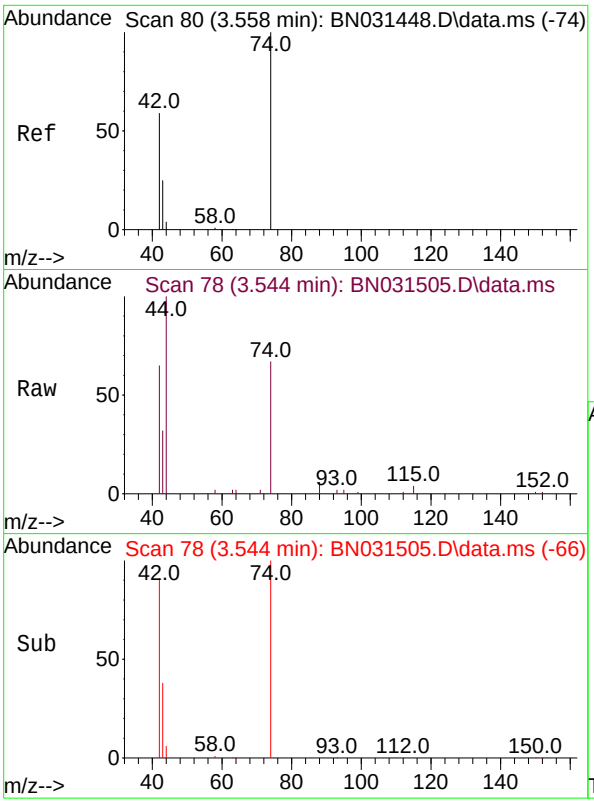


#2
1,4-Dioxane
Concen: 0.364 ng
RT: 3.240 min Scan# 36
Delta R.T. -0.007 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion: 88 Resp: 5026

Ion	Ratio	Lower	Upper
88	100		
43	29.9	39.0	58.6#
58	74.9	54.9	82.3



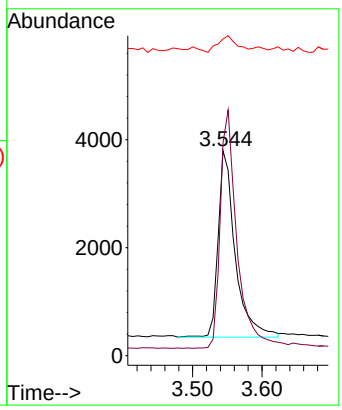


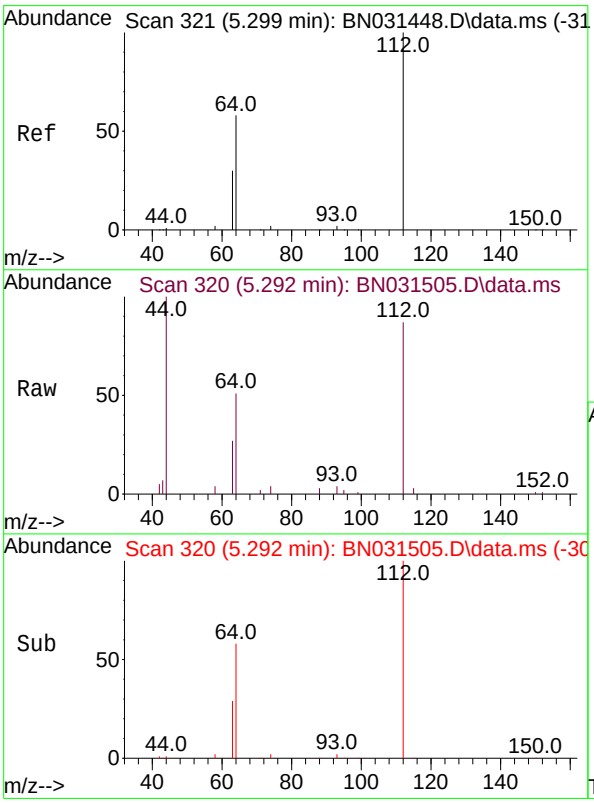
#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.544 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 5873

Ion	Ratio	Lower	Upper
42	100		
74	126.5	126.4	189.6
44	9.6	6.9	10.3

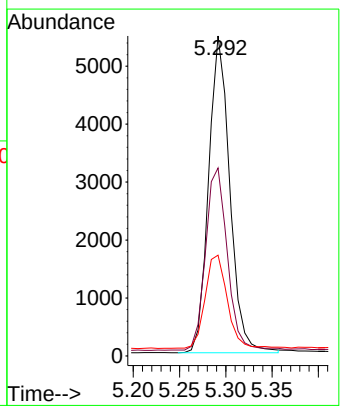


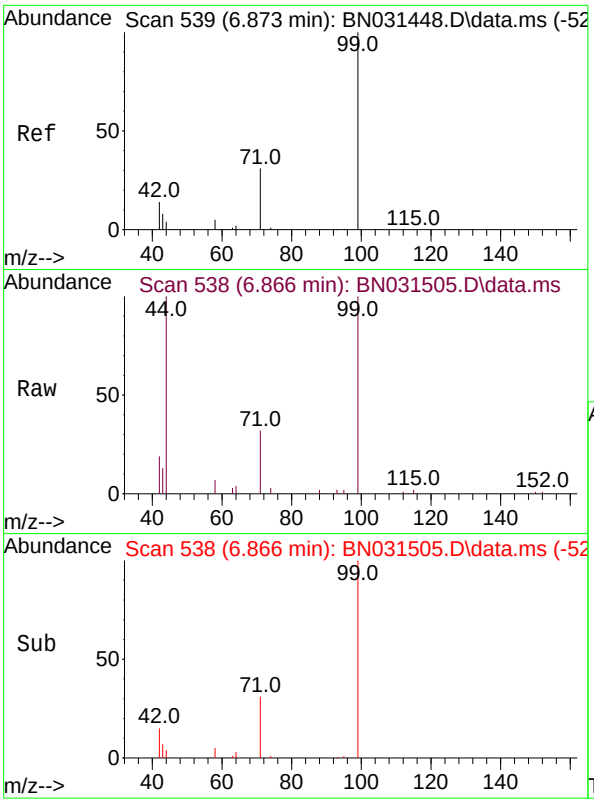


#4
2-Fluorophenol
Concen: 0.273 ng
RT: 5.292 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:112 Resp: 8700

Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.0	66.0
63	30.7	22.2	33.4



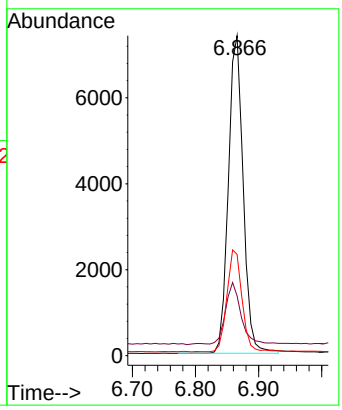


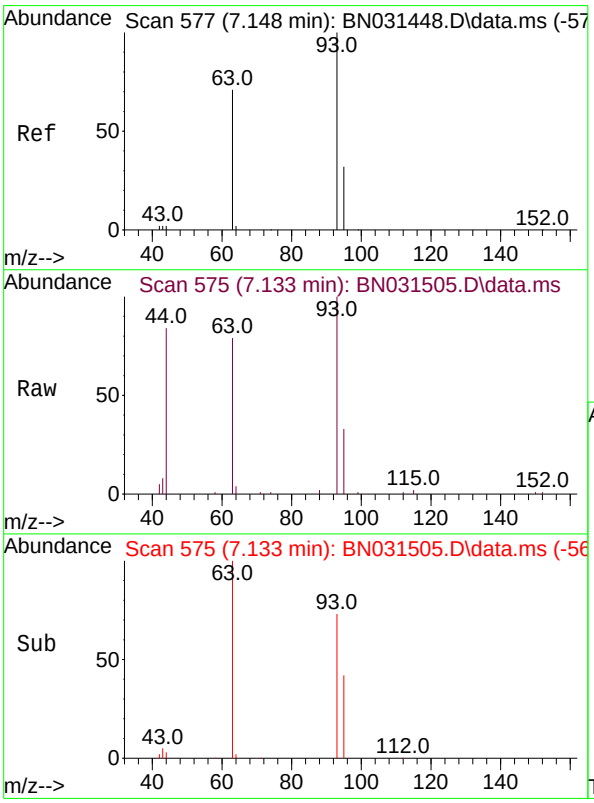
#5
Phenol-d6
Concen: 0.281 ng
RT: 6.866 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 12071

Ion	Ratio	Lower	Upper
99	100		
42	20.0	13.5	20.3
71	32.7	26.1	39.1

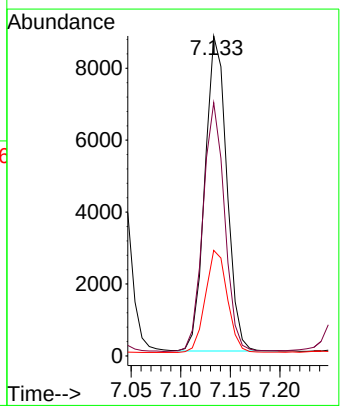


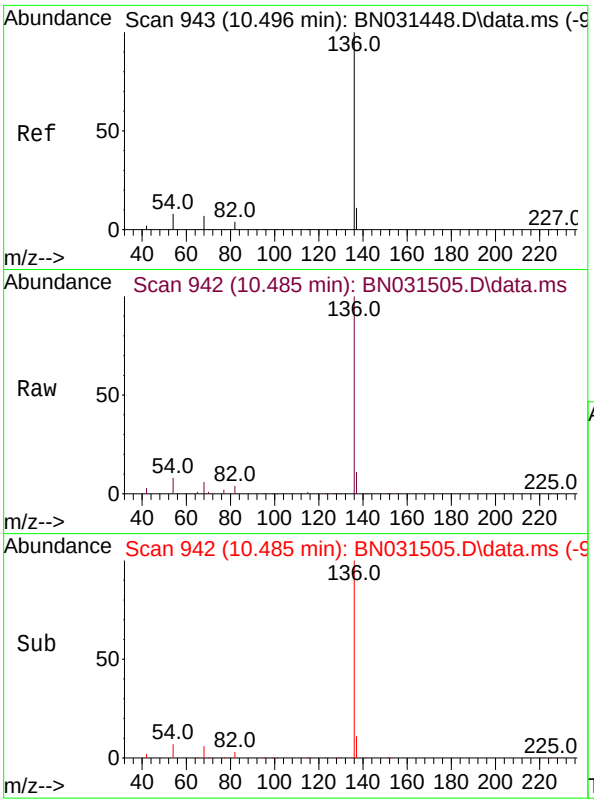


#6
bis(2-Chloroethyl)ether
Concen: 0.360 ng
RT: 7.133 min Scan# 575
Delta R.T. -0.015 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion: 93 Resp: 13454

Ion	Ratio	Lower	Upper
93	100		
63	78.0	56.6	85.0
95	32.7	27.3	40.9



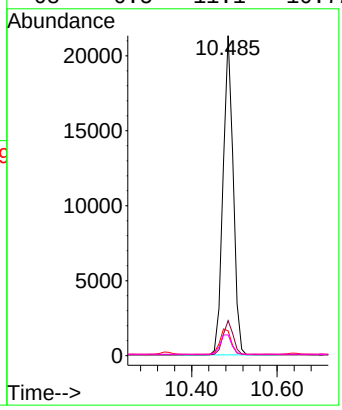


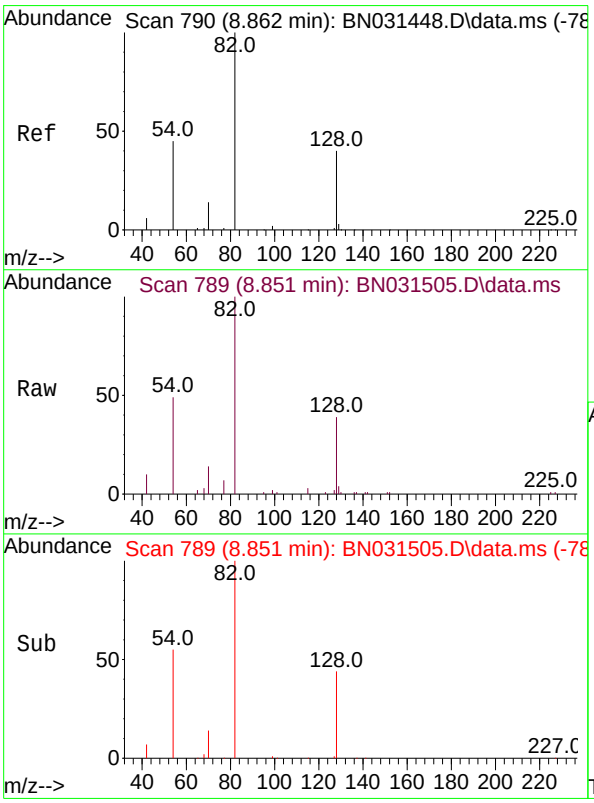
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.485 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 35141

Ion	Ratio	Lower	Upper
136	100		
137	11.0	10.1	15.1
54	7.8	10.5	15.7#
68	6.5	11.1	16.7#

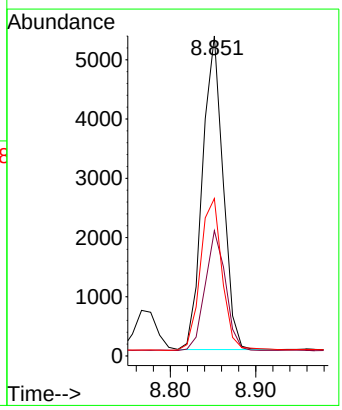


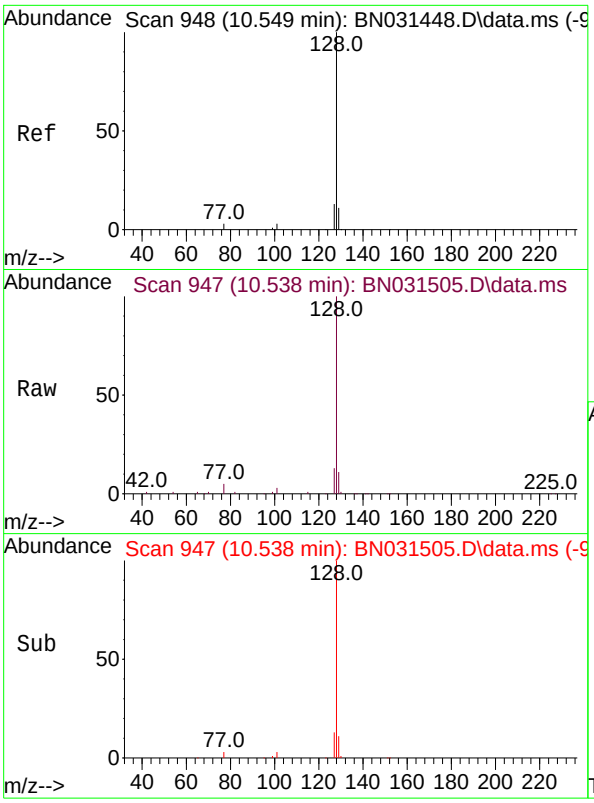


#8
Nitrobenzene-d5
Concen: 0.350 ng
RT: 8.851 min Scan# 789
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion: 82 Resp: 8836

Ion	Ratio	Lower	Upper
82	100		
128	39.2	29.0	43.6
54	49.2	37.2	55.8



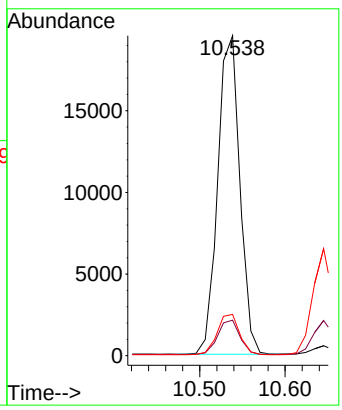


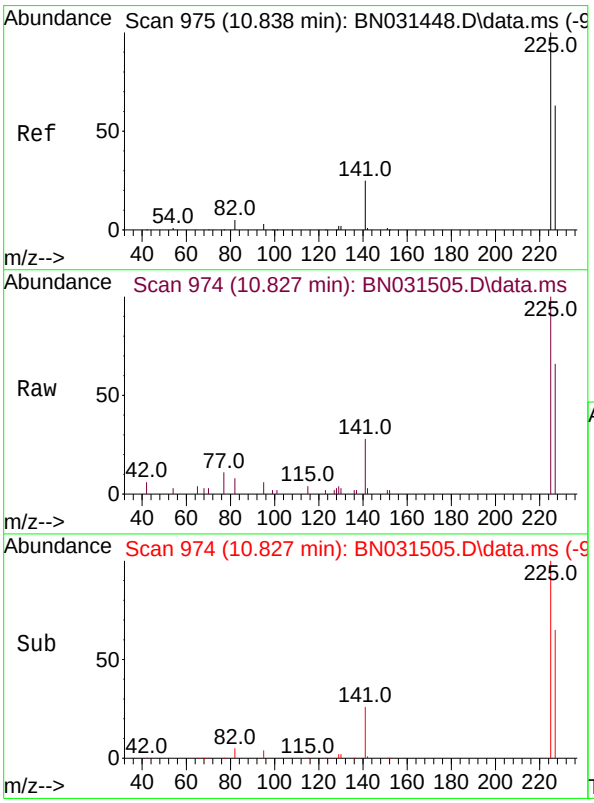
#9
Naphthalene
Concen: 0.360 ng
RT: 10.538 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 35127

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.4
127	12.9	11.7	17.5

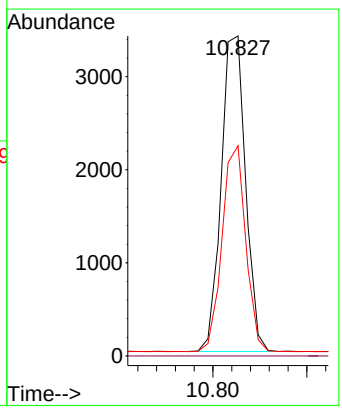


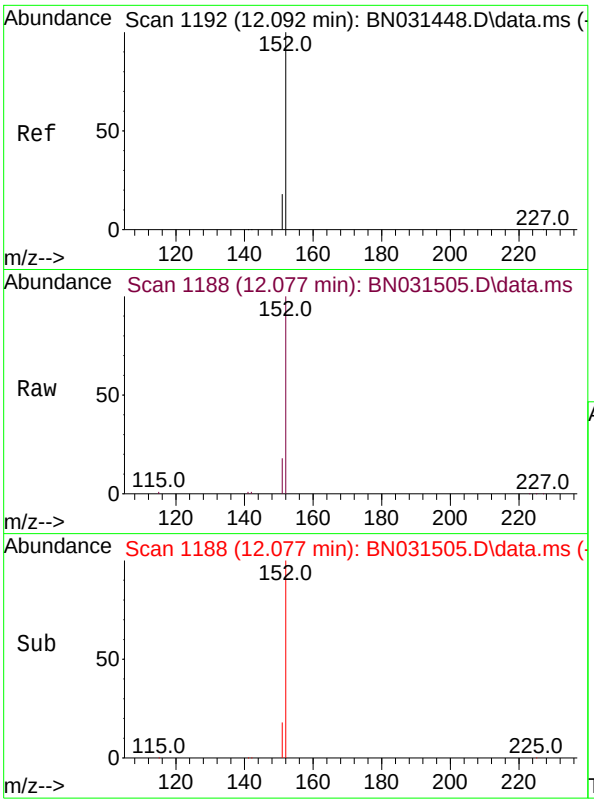


#10
Hexachlorobutadiene
Concen: 0.357 ng
RT: 10.827 min Scan# 974
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:225 Resp: 6115

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.7	76.1



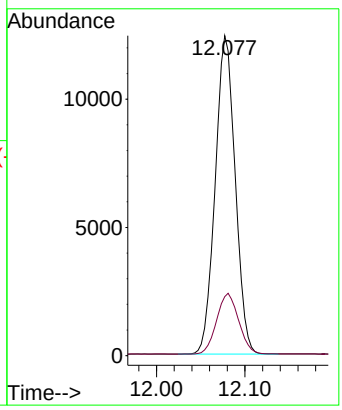


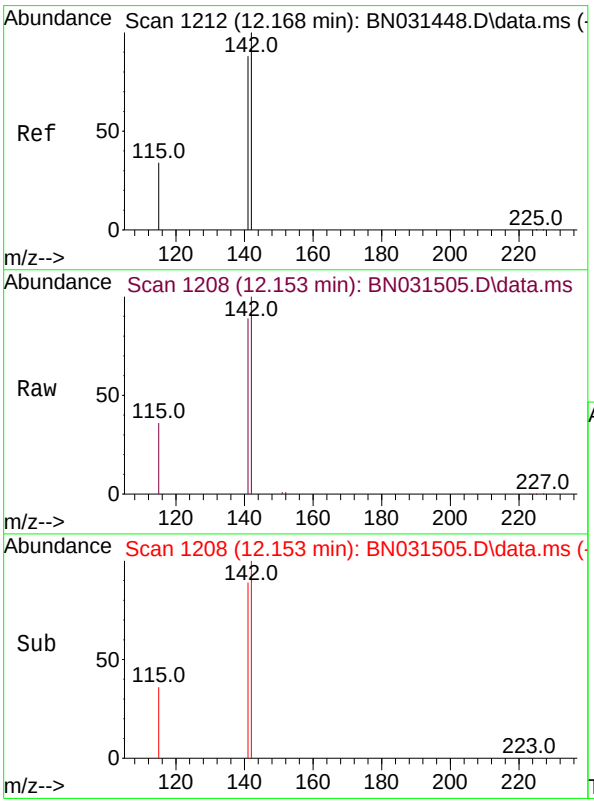
#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 12.077 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 19508

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.6	25.0

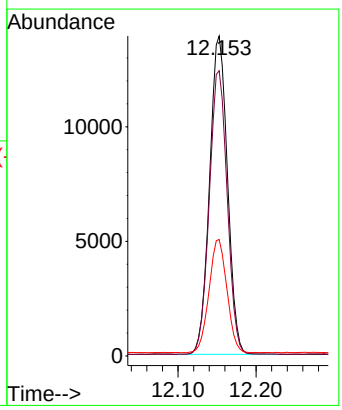


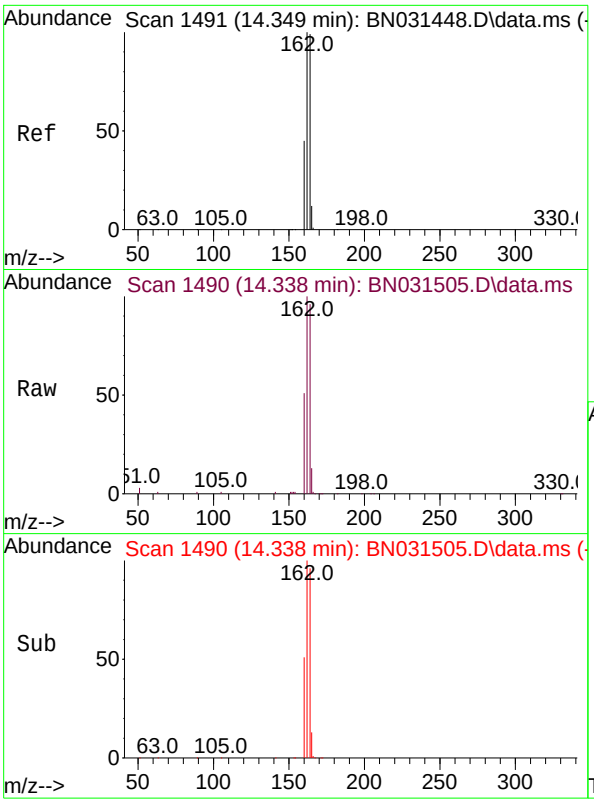


#12
2-Methylnaphthalene
Concen: 0.332 ng
RT: 12.153 min Scan# 1208
Delta R.T. -0.015 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:142 Resp: 22144

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.0	106.6
115	36.4	30.2	45.2



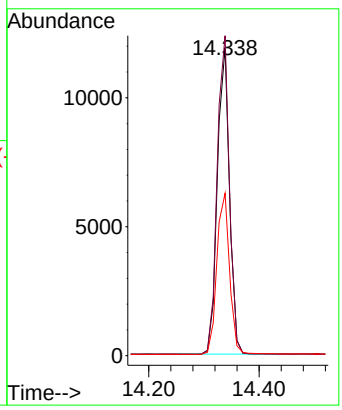


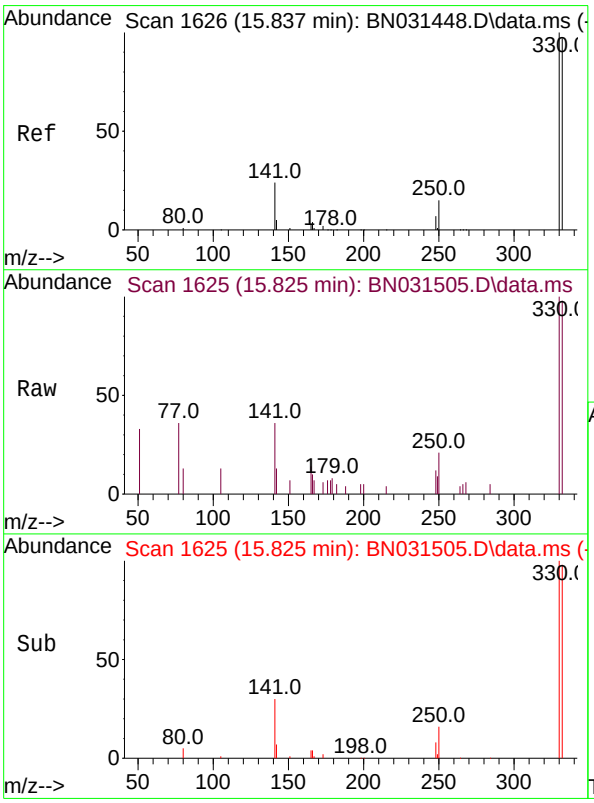
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.338 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 18039

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.2	121.8
160	52.7	37.0	55.6

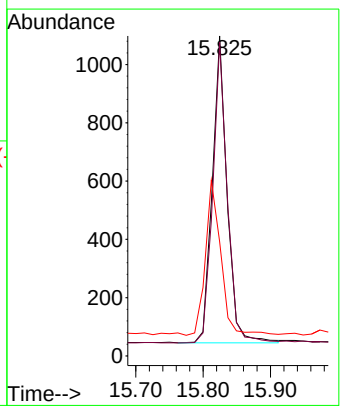


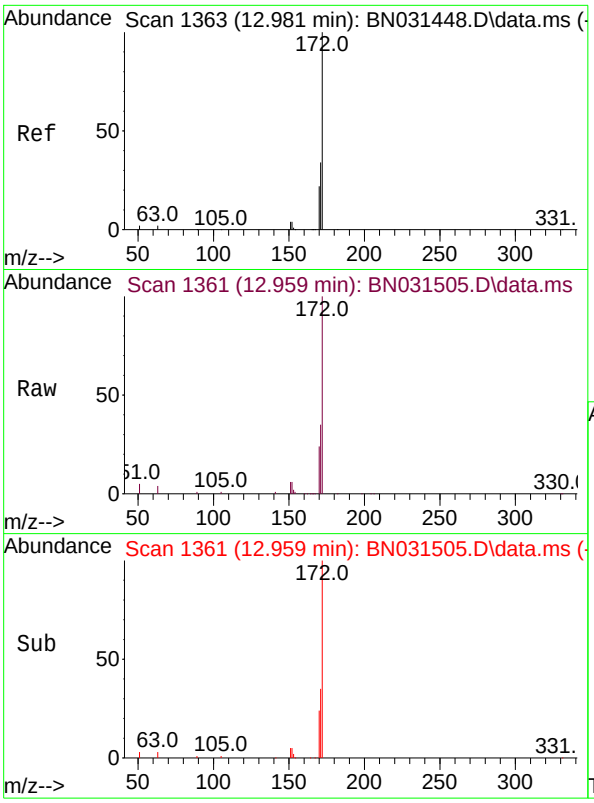


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.825 min Scan# 1625
Delta R.T. -0.013 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:330 Resp: 1609

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	114.8
141	52.7	37.0	55.4



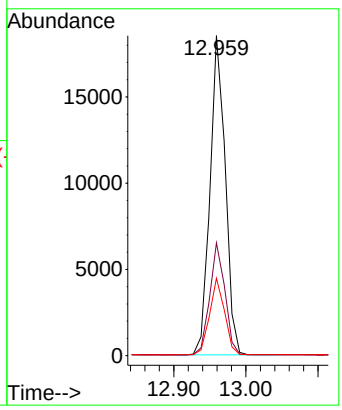


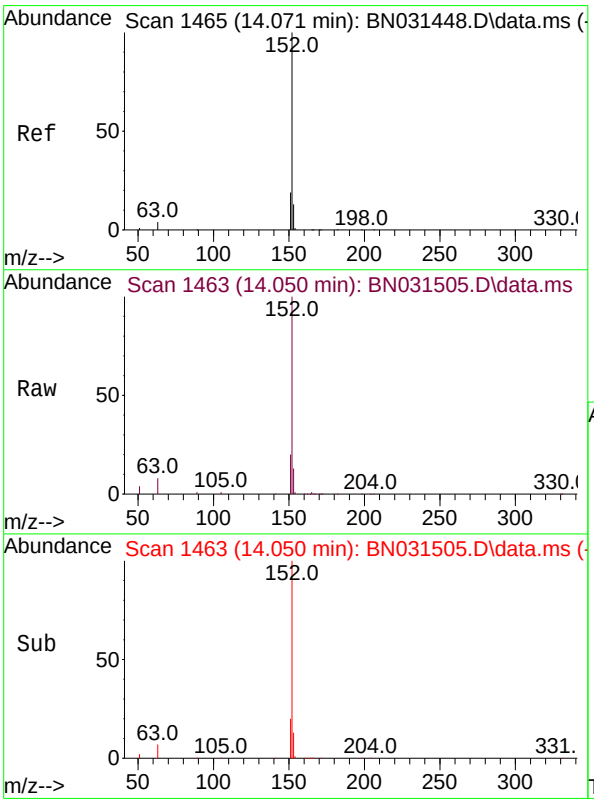
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 12.959 min Scan# 1
Delta R.T. -0.022 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 27239

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	24.2	18.3	27.5

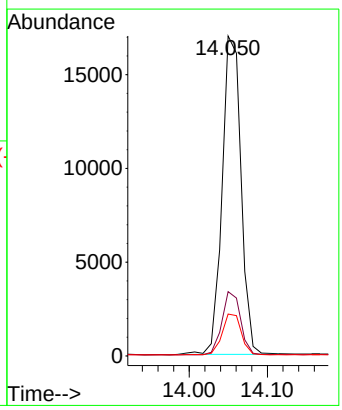


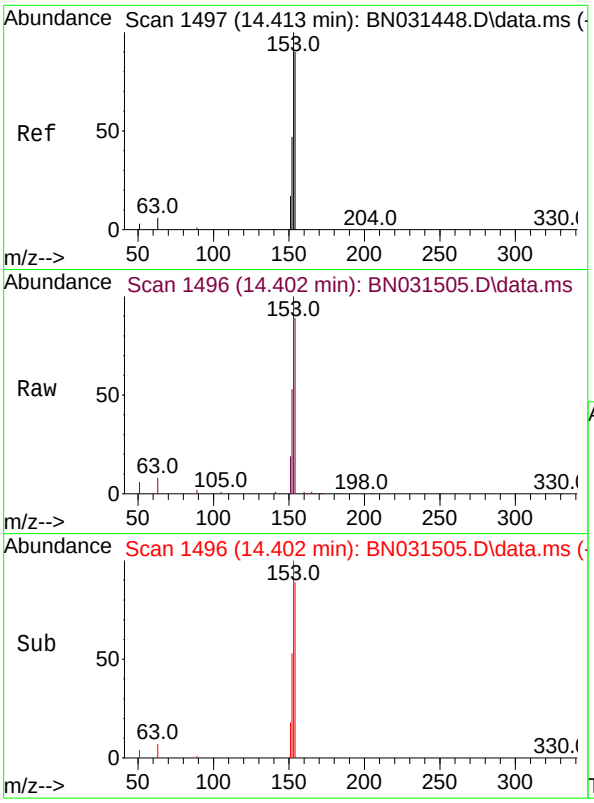


#16
Acenaphthylene
Concen: 0.314 ng
RT: 14.050 min Scan# 1463
Delta R.T. -0.022 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:152 Resp: 28516

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.0	10.5	15.7



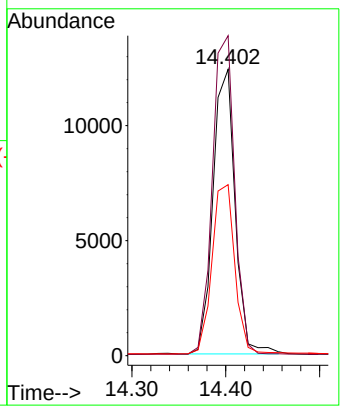


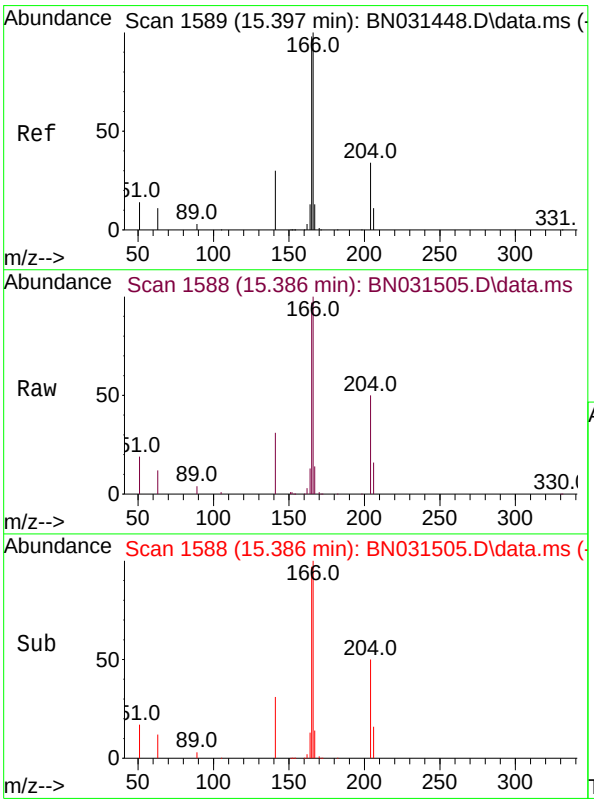
#17
Acenaphthene
Concen: 0.359 ng
RT: 14.402 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 20339

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.1	133.7
152	61.2	42.6	64.0

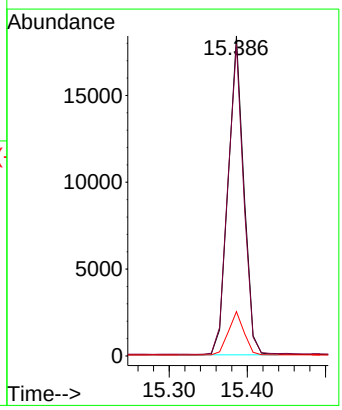


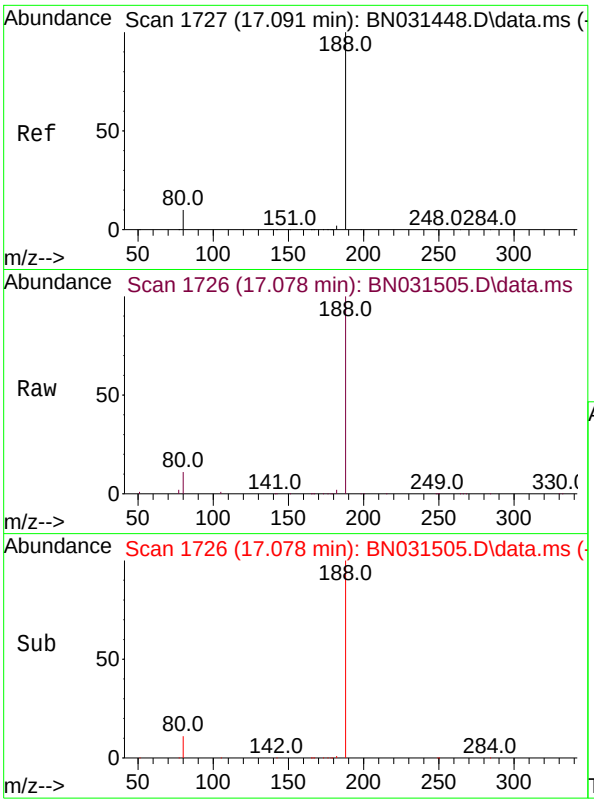


#18
Fluorene
Concen: 0.344 ng
RT: 15.386 min Scan# 1588
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:166 Resp: 25489

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.6	10.8	16.2





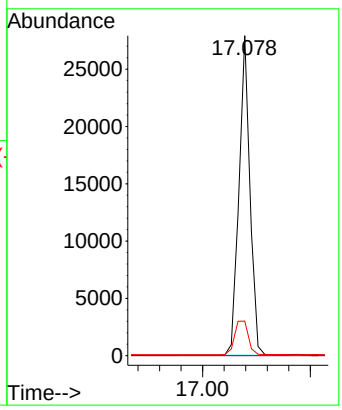
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1

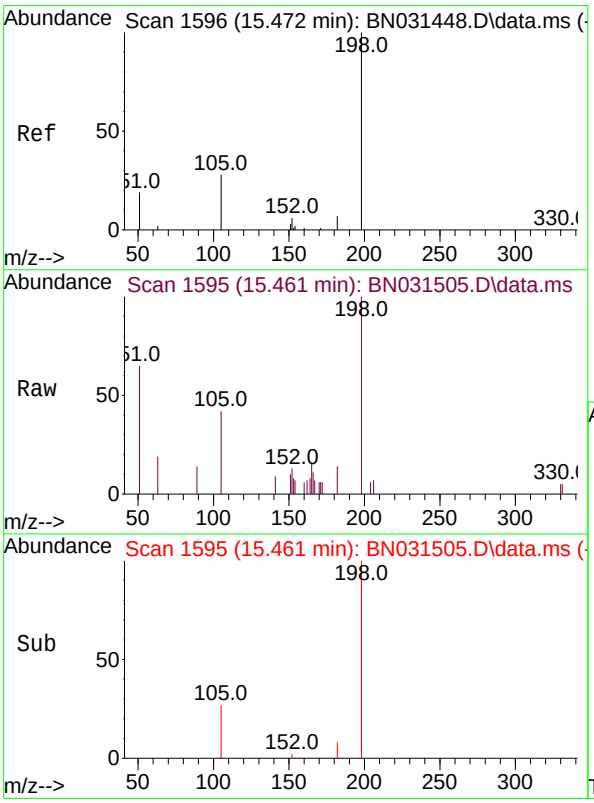
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Delta R.T. -0.013 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:188 Resp: 39261

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	9.6	14.4

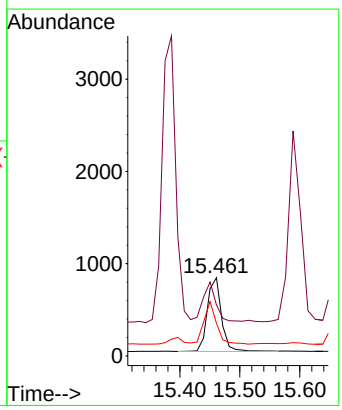


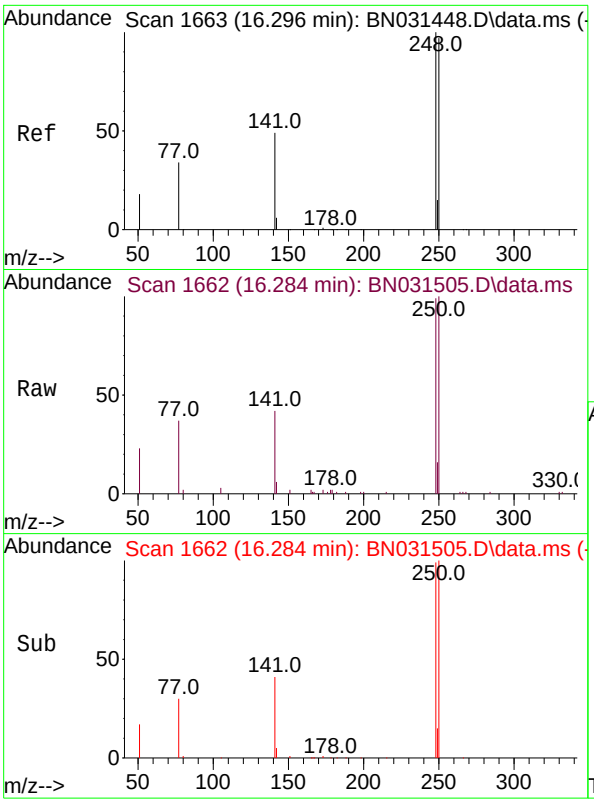


#20
4,6-Dinitro-2-methylphenol
Concen: 0.422 ng
RT: 15.461 min Scan# 1595
Delta R.T. -0.011 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:198 Resp: 1353

Ion	Ratio	Lower	Upper
198	100		
51	65.4	78.3	117.5#
105	42.0	117.2	175.8#



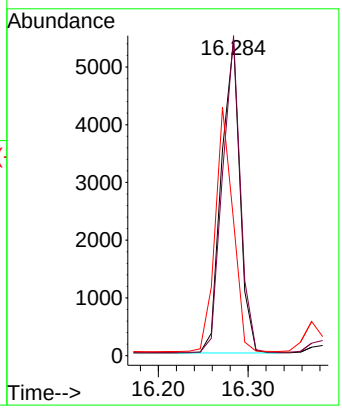


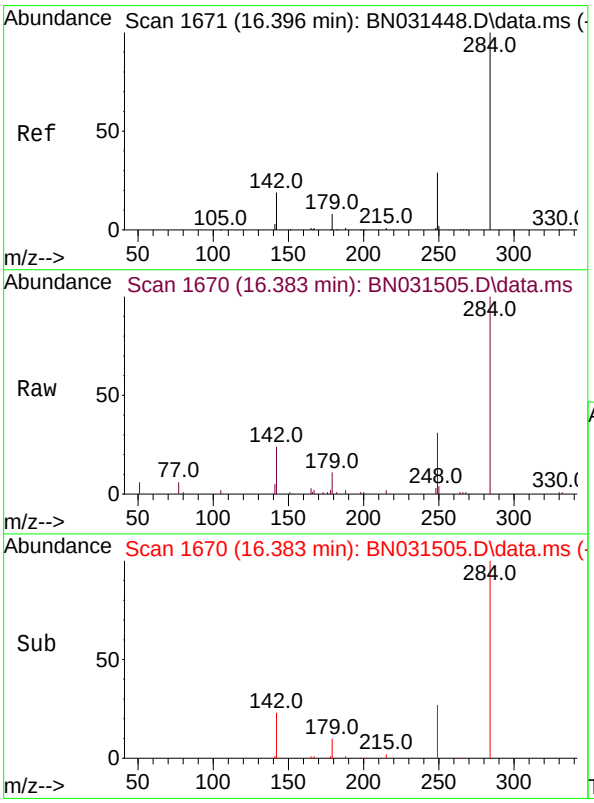
#21
4-Bromophenyl-phenylether
Concen: 0.337 ng
RT: 16.284 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 7755

Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.9	116.9
141	42.7	43.4	65.2#

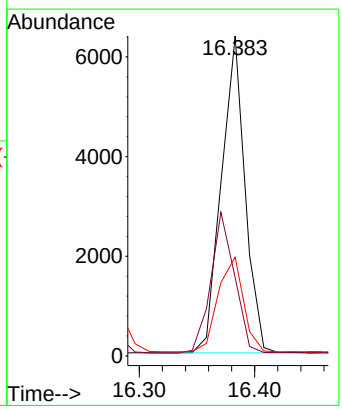


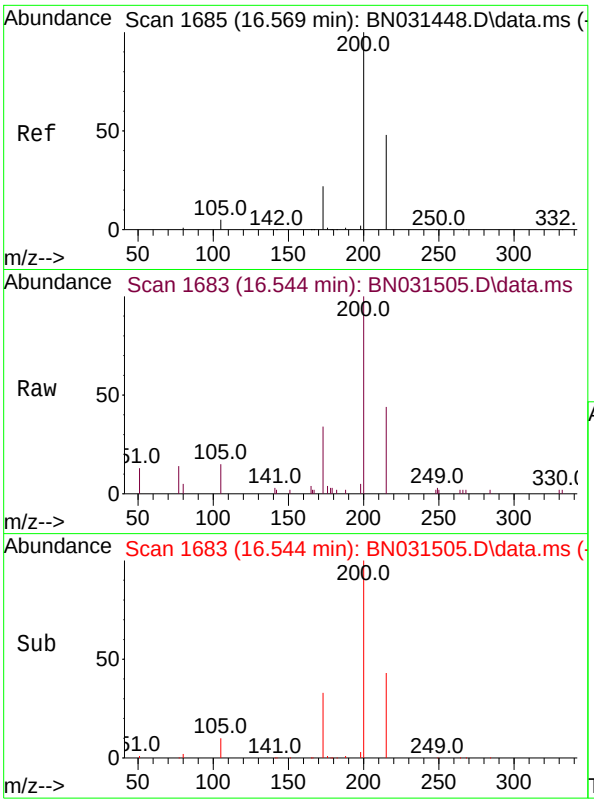


#22
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.383 min Scan# 1670
Delta R.T. -0.013 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:284 Resp: 9071

Ion	Ratio	Lower	Upper
284	100		
142	44.4	31.0	46.6
249	32.0	25.5	38.3



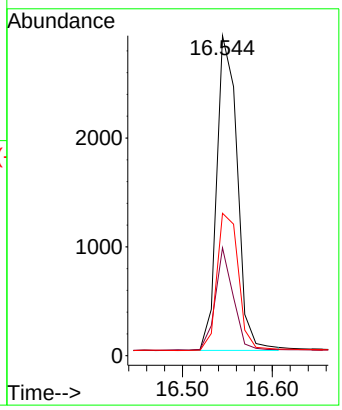


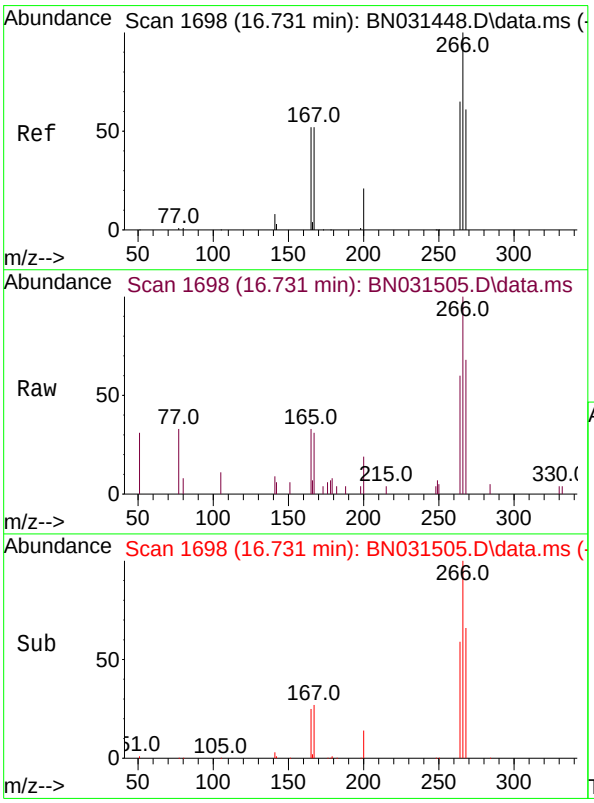
#23
Atrazine
Concen: 0.220 ng
RT: 16.544 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 4588

Ion	Ratio	Lower	Upper
200	100		
173	33.7	19.6	29.4#
215	44.5	39.8	59.8

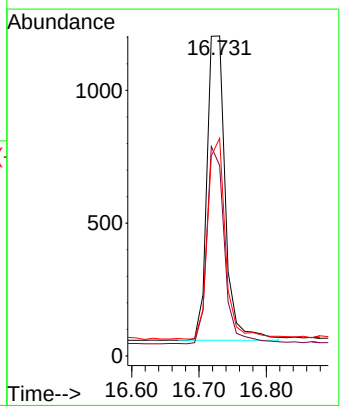


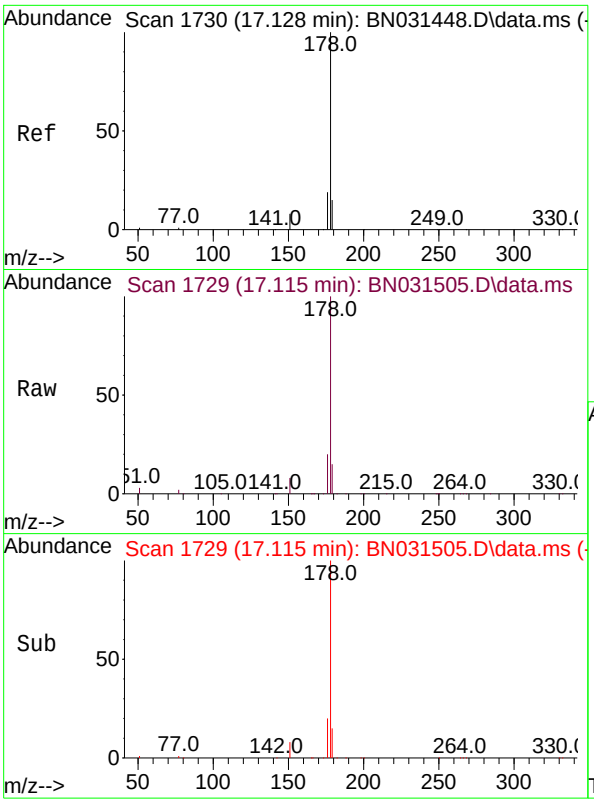


#24
Pentachlorophenol
Concen: 0.264 ng
RT: 16.731 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:266 Resp: 2163

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.6	75.8
268	63.9	49.0	73.4



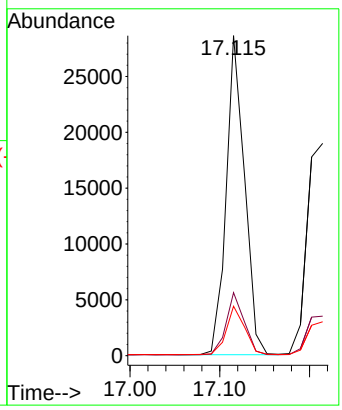


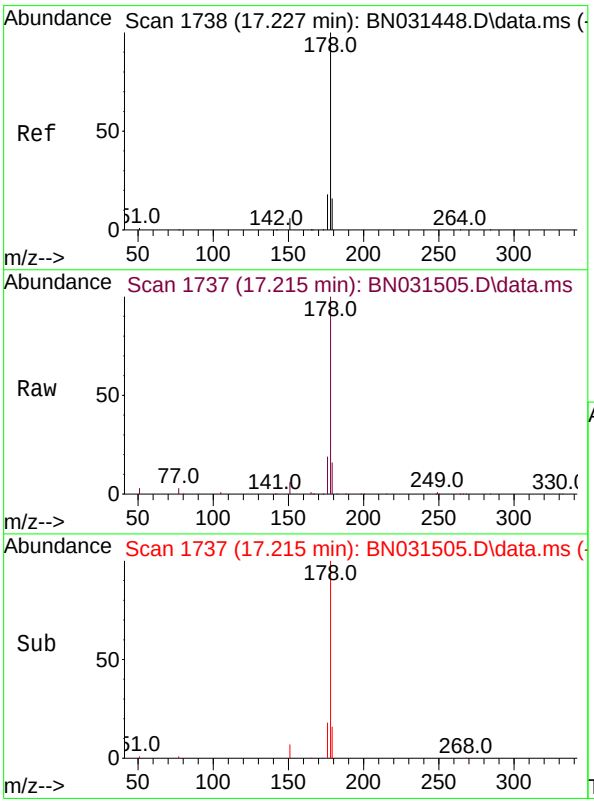
#25
Phenanthrene
Concen: 0.368 ng
RT: 17.115 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 40450

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.3	18.5

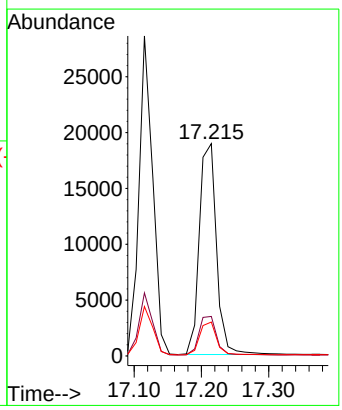


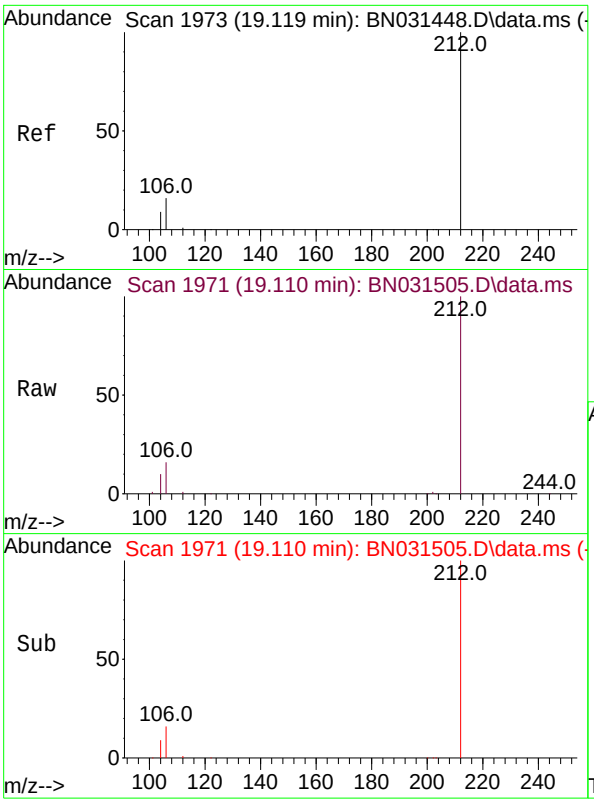


#26
Anthracene
Concen: 0.310 ng
RT: 17.215 min Scan# 1737
Delta R.T. -0.013 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:178 Resp: 33713

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.4	18.6



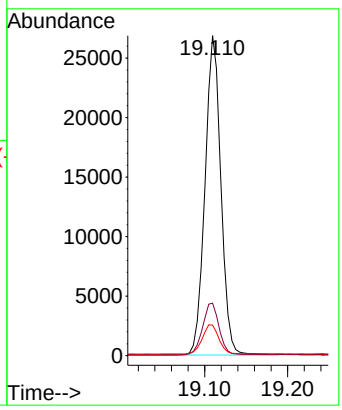


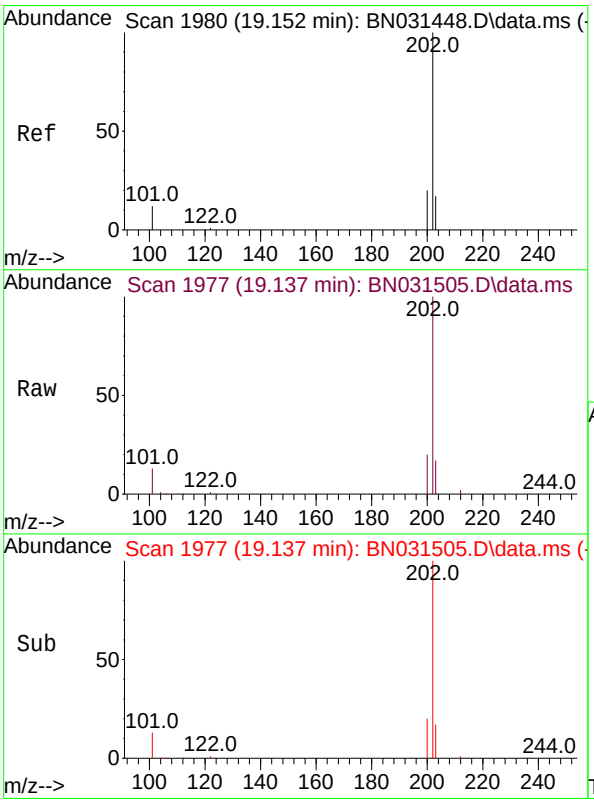
#27
Fluoranthene-d10
Concen: 0.329 ng
RT: 19.110 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 35824

Ion	Ratio	Lower	Upper
212	100		
106	16.7	12.0	18.0
104	9.5	6.9	10.3

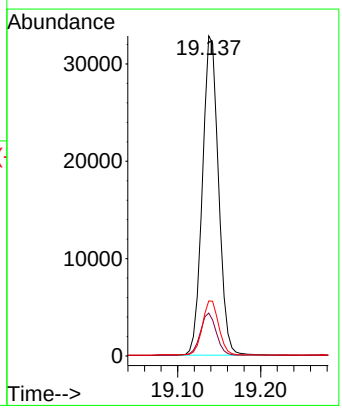


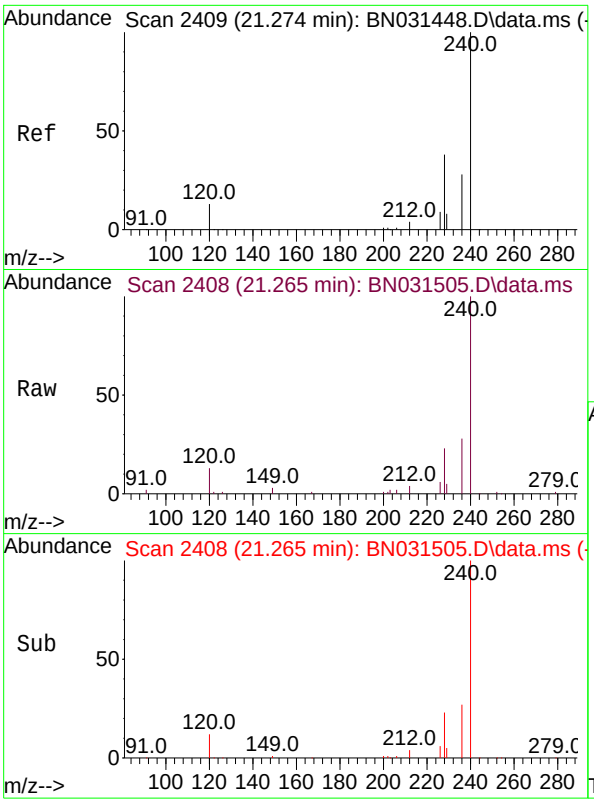


#28
Fluoranthene
Concen: 0.332 ng
RT: 19.137 min Scan# 1977
Delta R.T. -0.014 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:202 Resp: 44354

Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.8	14.6
203	17.2	13.8	20.8



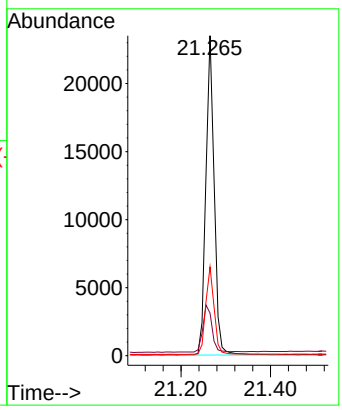


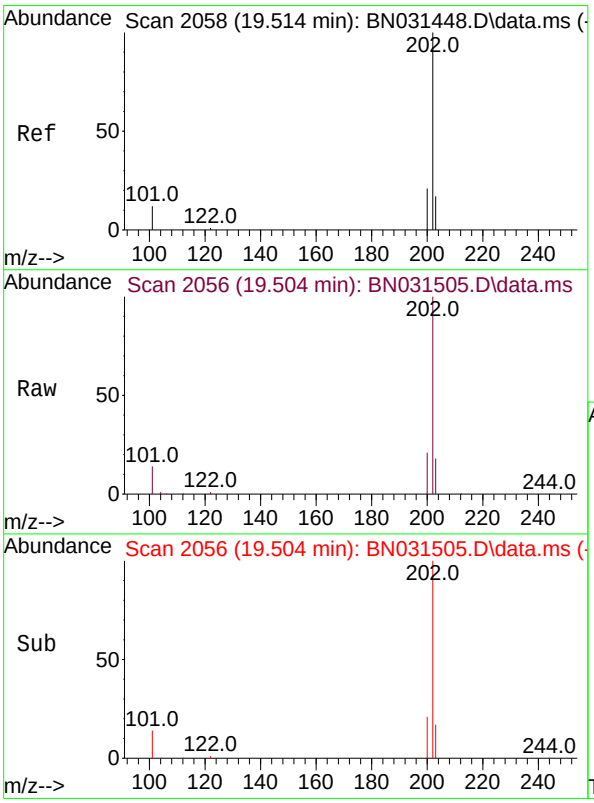
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.265 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 30488

Ion	Ratio	Lower	Upper
240	100		
120	13.3	11.4	17.2
236	27.8	22.2	33.4

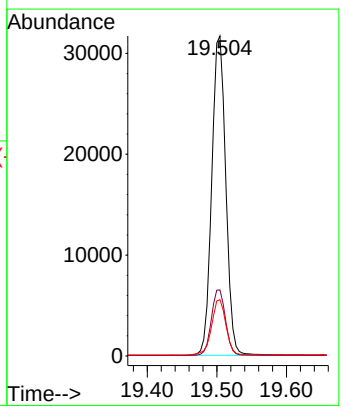


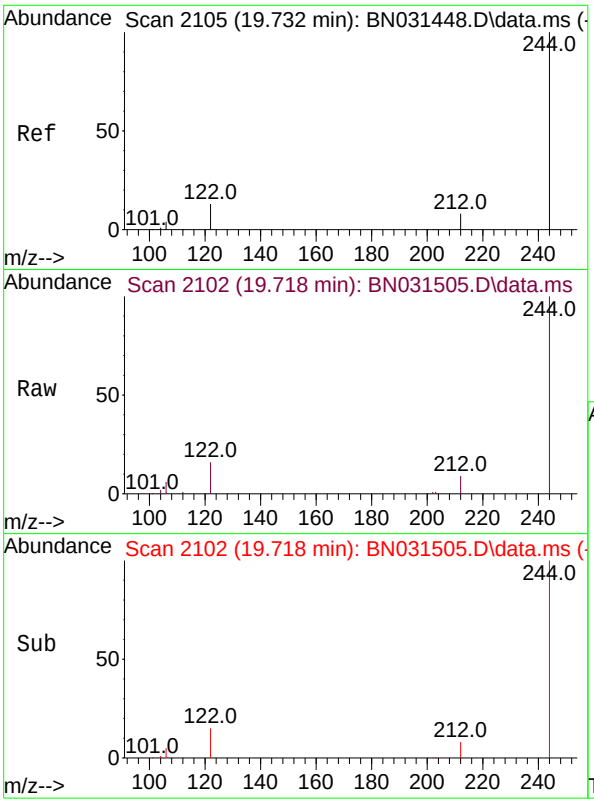


#30
Pyrene
Concen: 0.359 ng
RT: 19.504 min Scan# 2056
Delta R.T. -0.009 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:202 Resp: 44358

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.7	14.3	21.5



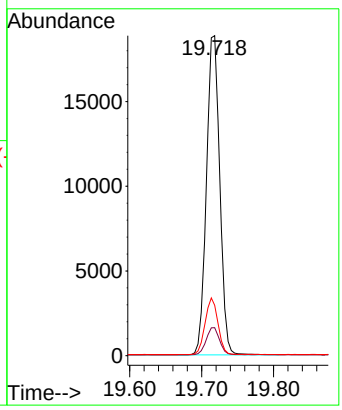


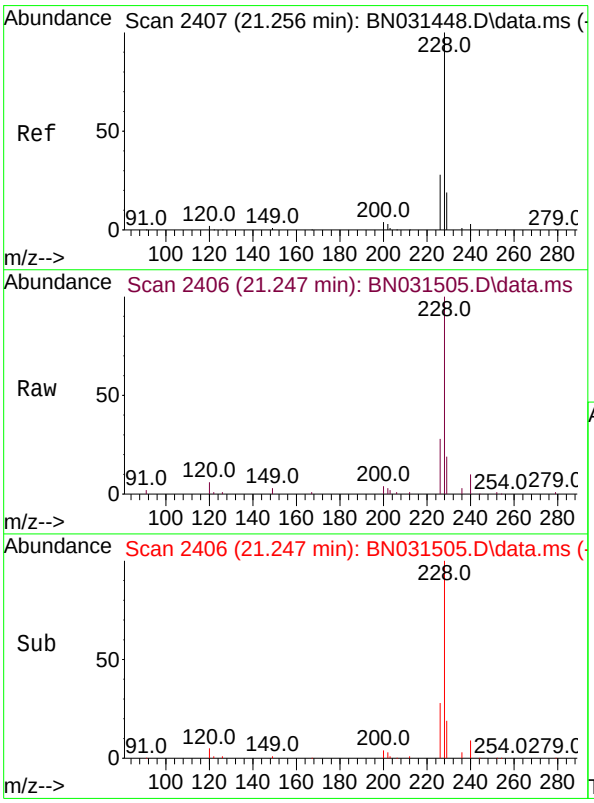
#31
Terphenyl-d14
Concen: 0.323 ng
RT: 19.718 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 24075

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.5	9.7
122	15.8	11.4	17.2

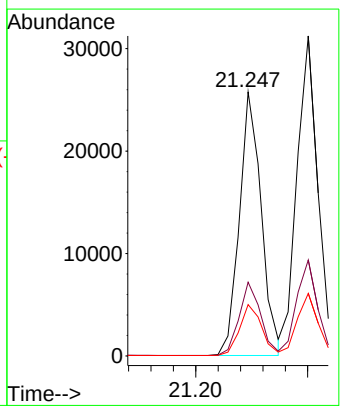


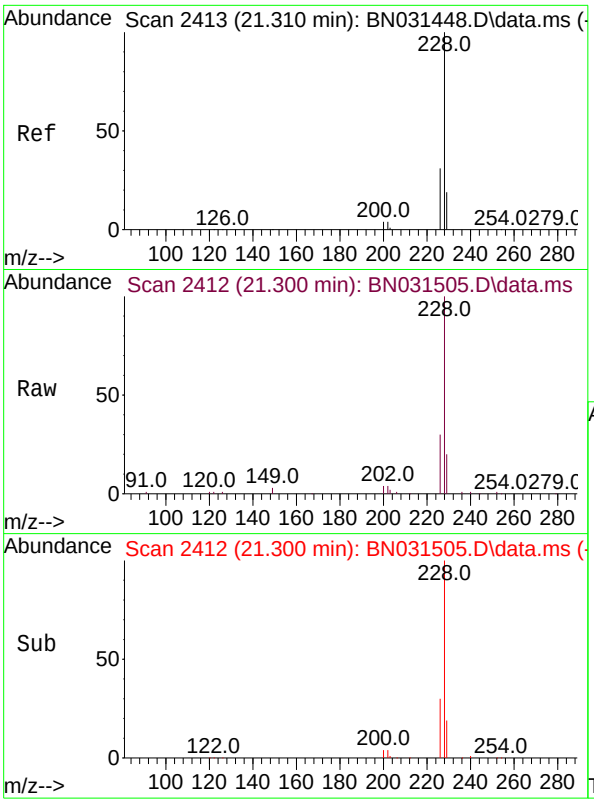


#32
Benzo(a)anthracene
Concen: 0.297 ng
RT: 21.247 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:228 Resp: 34934

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.5	15.5	23.3



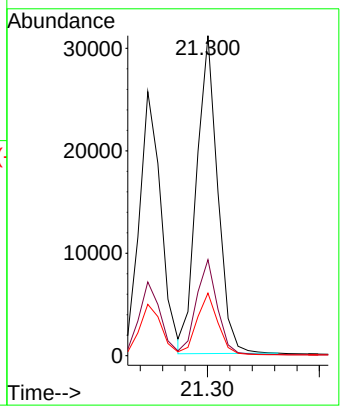


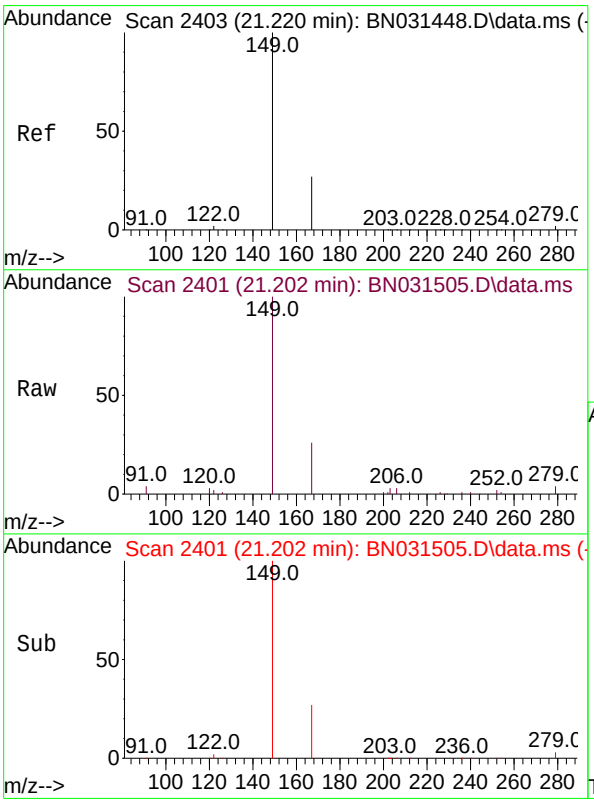
#33
Chrysene
Concen: 0.361 ng
RT: 21.300 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 40405

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	19.6	15.8	23.8

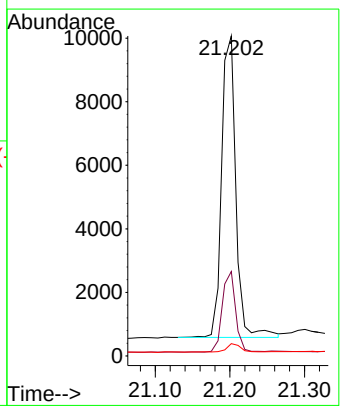


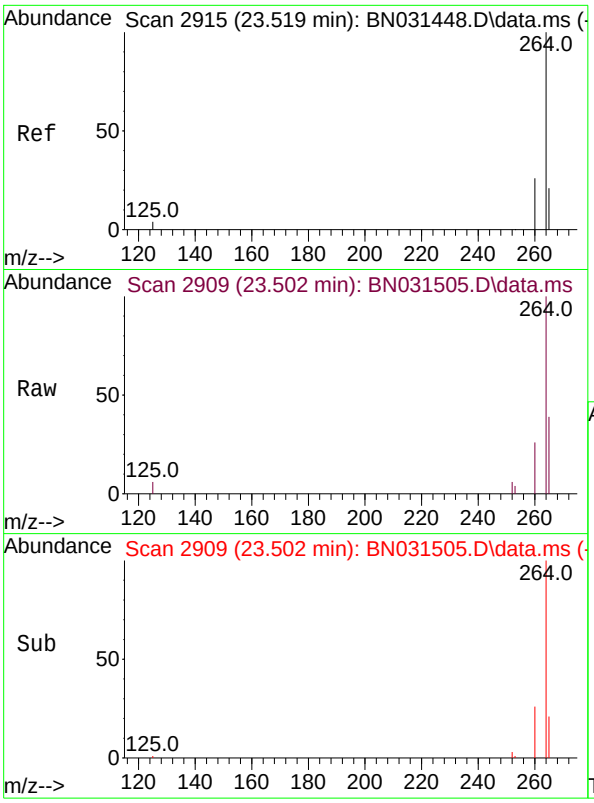


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.183 ng
RT: 21.202 min Scan# 2401
Delta R.T. -0.018 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:149 Resp: 12623

Ion	Ratio	Lower	Upper
149	100		
167	25.2	22.1	33.1
279	2.9	2.7	4.1



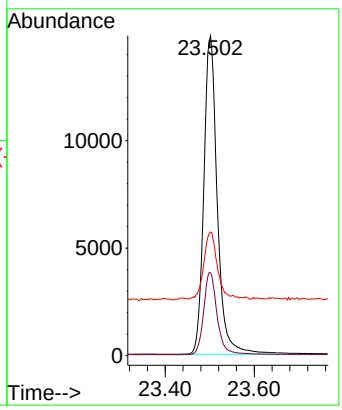


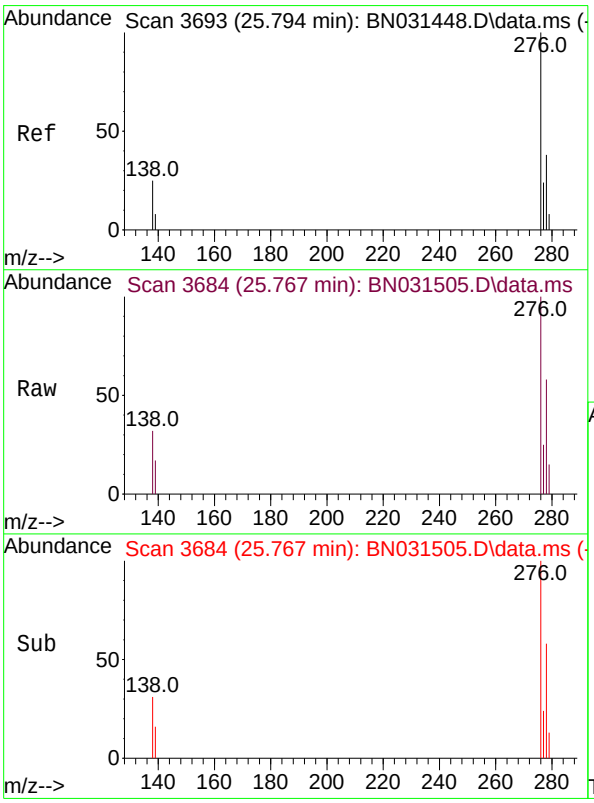
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 31140

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.6	31.0
265	38.7	24.0	36.0#

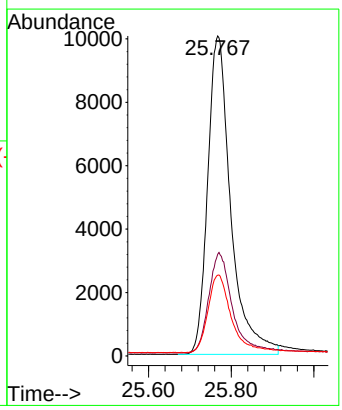


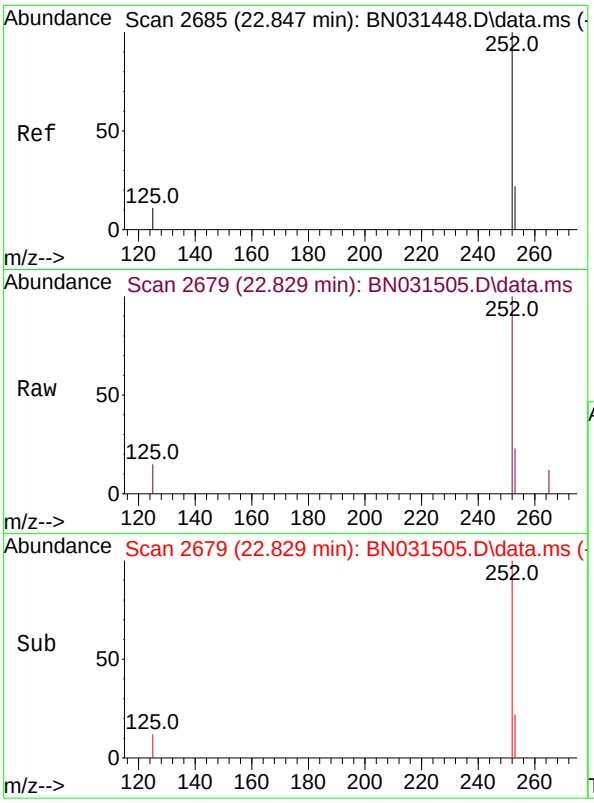


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.313 ng
RT: 25.767 min Scan# 3684
Delta R.T. -0.027 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:276 Resp: 38906

Ion	Ratio	Lower	Upper
276	100		
138	32.1	23.0	34.6
277	24.8	19.9	29.9



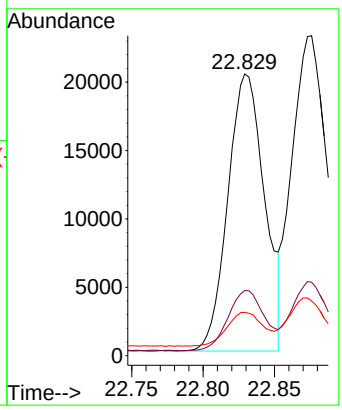


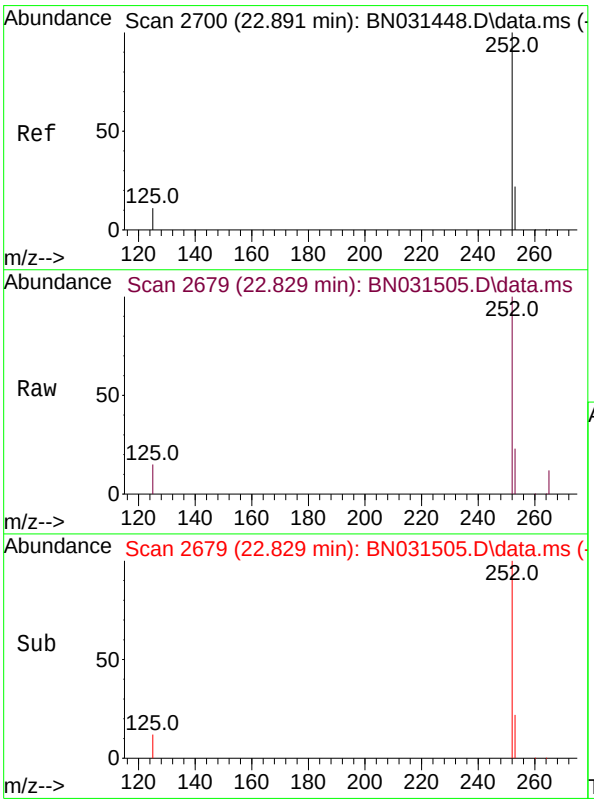
#37
Benzo(b)fluoranthene
Concen: 0.324 ng
RT: 22.829 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 36182

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	15.4	10.5	15.7

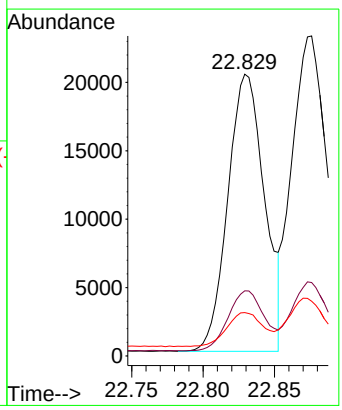


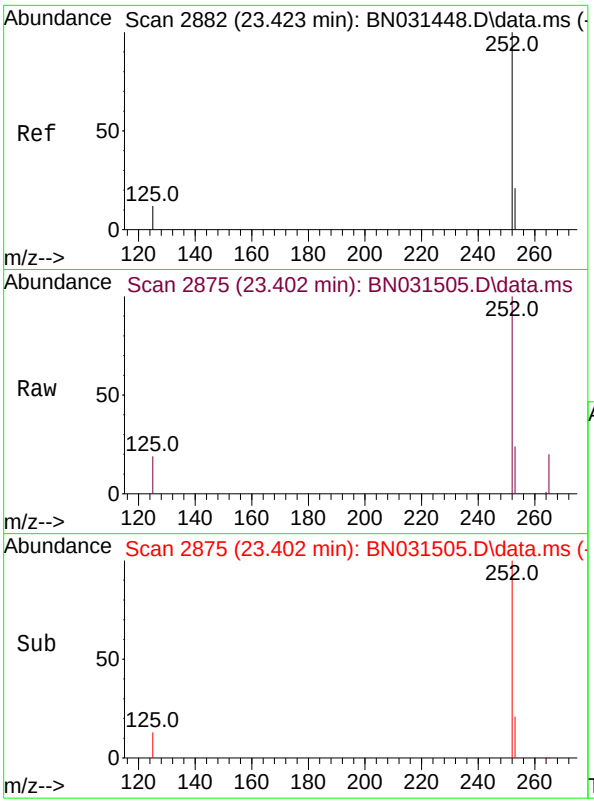


#38
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 22.829 min Scan# 2679
Delta R.T. -0.062 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:252 Resp: 36182

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	15.4	11.0	16.6



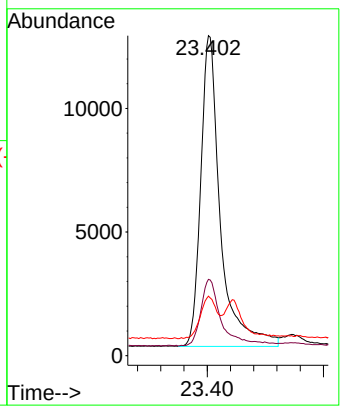


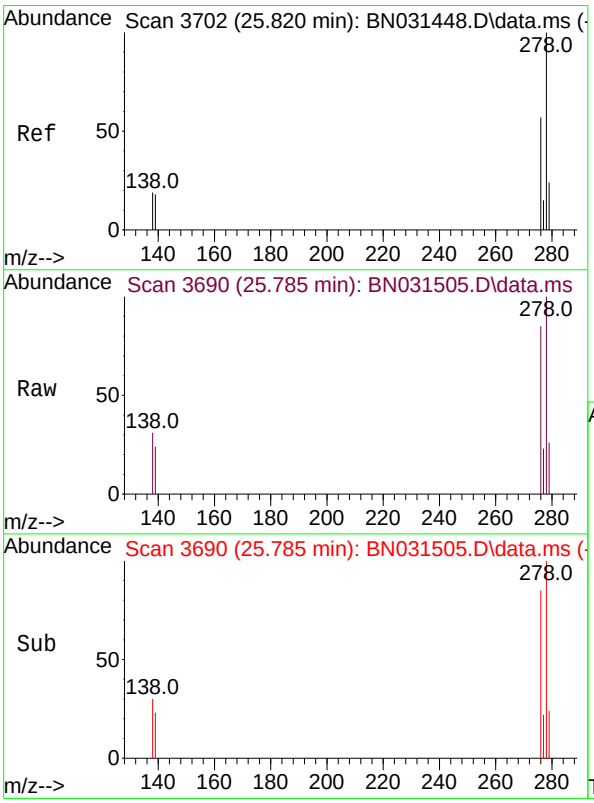
#39
Benzo(a)pyrene
Concen: 0.304 ng
RT: 23.402 min Scan# 2
Delta R.T. -0.021 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 29500

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	18.6	11.9	17.9#

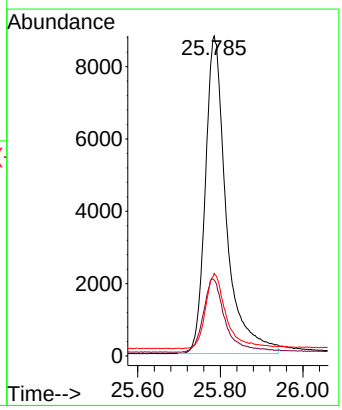


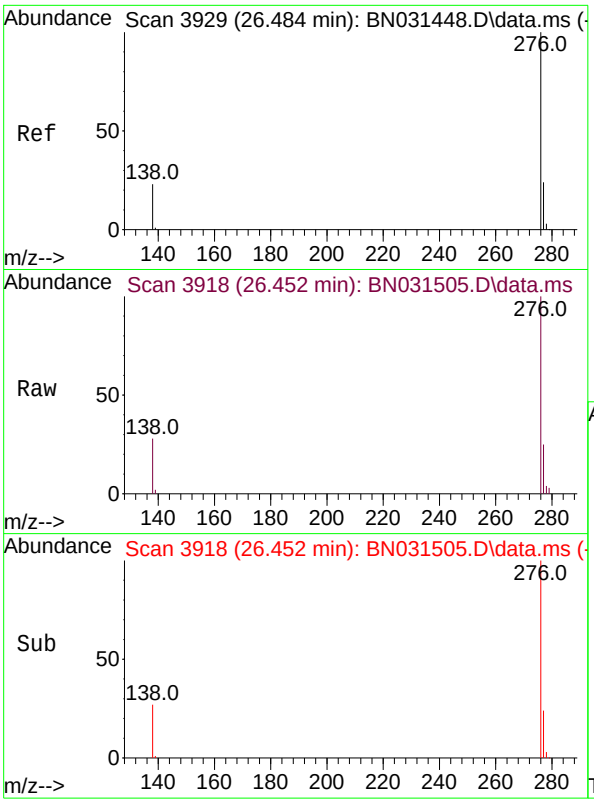


#40
Dibenzo(a,h)anthracene
Concen: 0.316 ng
RT: 25.785 min Scan# 3690
Delta R.T. -0.035 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Tgt Ion:278 Resp: 31089

Ion	Ratio	Lower	Upper
278	100		
139	23.7	15.9	23.9
279	25.8	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.291 ng
RT: 26.452 min Scan# 3
Delta R.T. -0.032 min
Lab File: BN031505.D
Acq: 13 May 2024 17:05

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 30811

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	27.9	20.4	30.6