Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050824\
Data File : BN031432.D
Acq On : 08 May 2024 10:23
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 08 12:07:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 17:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	5519	0.400	ng	0.00
7) Naphthalene-d8	10.336	136	8967	0.400	ng	# 0.00
13) Acenaphthene-d10	14.210	164	10044	0.400	ng	0.00
19) Phenanthrene-d10	16.967	188	22311	0.400	ng	0.00
29) Chrysene-d12	21.175	240	18976	0.400	ng	0.00
35) Perylene-d12	23.358	264	19551	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.162	112	4682	0.362	ng	0.00
5) Phenol-d6	6.743	99	5546	0.361	ng	0.00
8) Nitrobenzene-d5	8.713	82	2690	0.342	ng	0.00
11) 2-Methylnaphthalene-d10	11.937	152	5688	0.521	ng	0.00
14) 2,4,6-Tribromophenol	15.713	330	1373	0.278	ng	0.00
15) 2-Fluorobiphenyl	12.831	172	12457	0.335	ng	0.00
27) Fluoranthene-d10	19.003	212	21834	0.362	ng	0.00
31) Terphenyl-d14	19.616	244	17308	0.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.103	88	2546	0.387	ng	99
3) n-Nitrosodimethylamine	3.421	42	2432	0.370	ng	# 93
6) bis(2-Chloroethyl)ether	7.003	93	5309	0.370	ng	98
9) Naphthalene	10.389	128	9128	0.364	ng	100
10) Hexachlorobutadiene	10.667	225	2231	0.426	ng	# 99
12) 2-Methylnaphthalene	12.009	142	6520	0.522	ng	98
16) Acenaphthylene	13.932	152	15815	0.359	ng	100
17) Acenaphthene	14.274	154	11820	0.391	ng	100
18) Fluorene	15.268	166	15204	0.389	ng	99
20) 4,6-Dinitro-2-methylph...	15.365	198	928	0.296	ng	# 77
21) 4-Bromophenyl-phenylether	16.160	248	4835	0.375	ng	94
22) Hexachlorobenzene	16.259	284	5748	0.390	ng	99
23) Atrazine	16.445	200	3409	0.337	ng	98
24) Pentachlorophenol	16.619	266	1685	0.358	ng	99
25) Phenanthrene	17.004	178	24245	0.379	ng	100
26) Anthracene	17.091	178	19069	0.354	ng	100
28) Fluoranthene	19.035	202	28141	0.360	ng	100
30) Pyrene	19.402	202	28513	0.435	ng	100
32) Benzo(a)anthracene	21.157	228	23996	0.366	ng	99
33) Chrysene	21.211	228	26910	0.394	ng	100
34) Bis(2-ethylhexyl)phtha...	21.095	149	11583	0.335	ng	97
36) Indeno(1,2,3-cd)pyrene	25.545	276	30601	0.387	ng	99
37) Benzo(b)fluoranthene	22.703	252	29135	0.380	ng	98
38) Benzo(k)fluoranthene	22.744	252	28317	0.376	ng	99
39) Benzo(a)pyrene	23.262	252	24959	0.388	ng	98
40) Dibenzo(a,h)anthracene	25.554	278	24191	0.389	ng	98
41) Benzo(g,h,i)perylene	26.209	276	24105	0.382	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050824\
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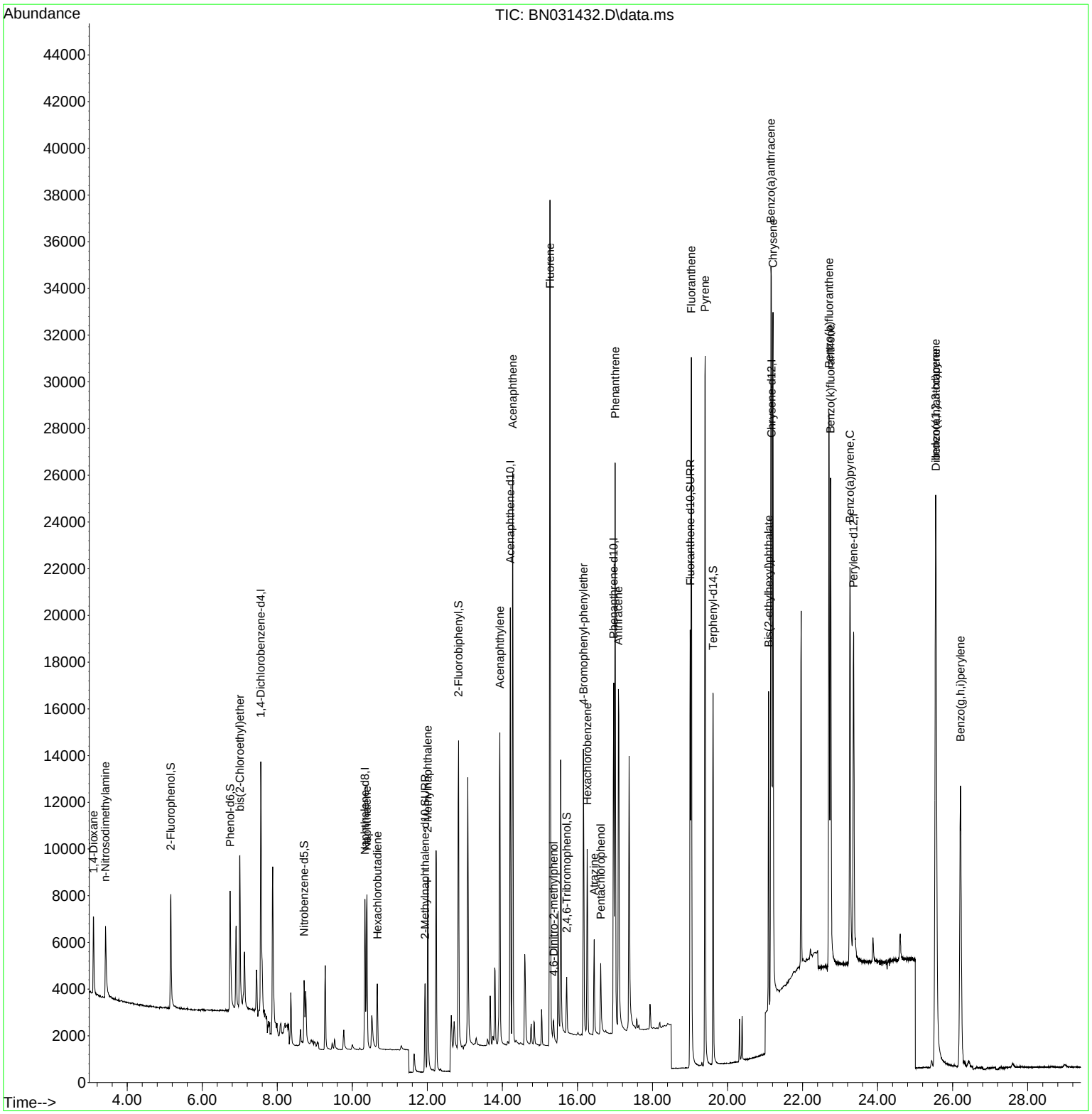
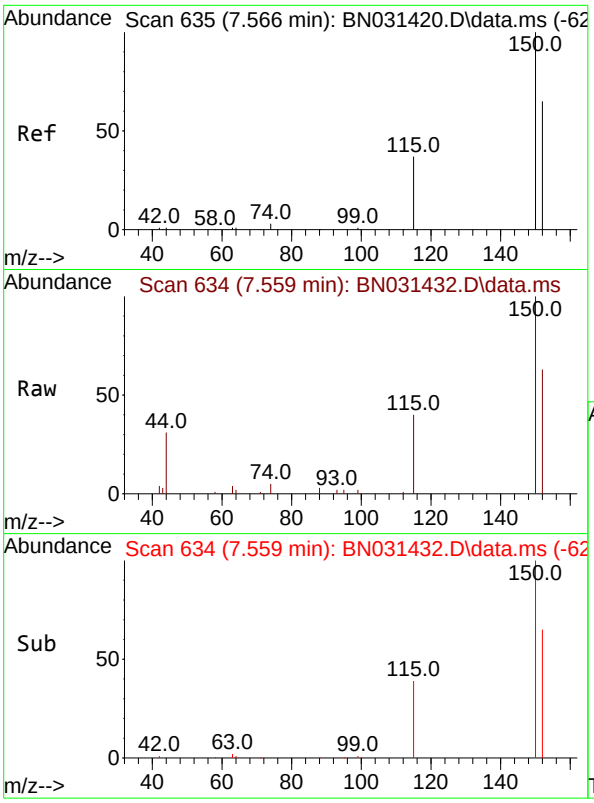
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 08 12:07:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 17:14:43 2024
Response via : Initial Calibration



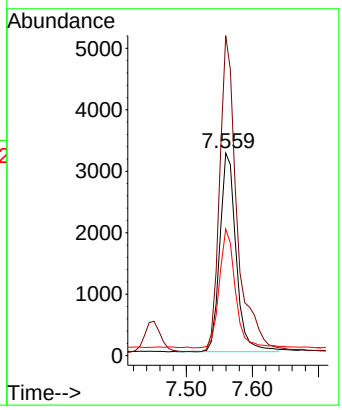


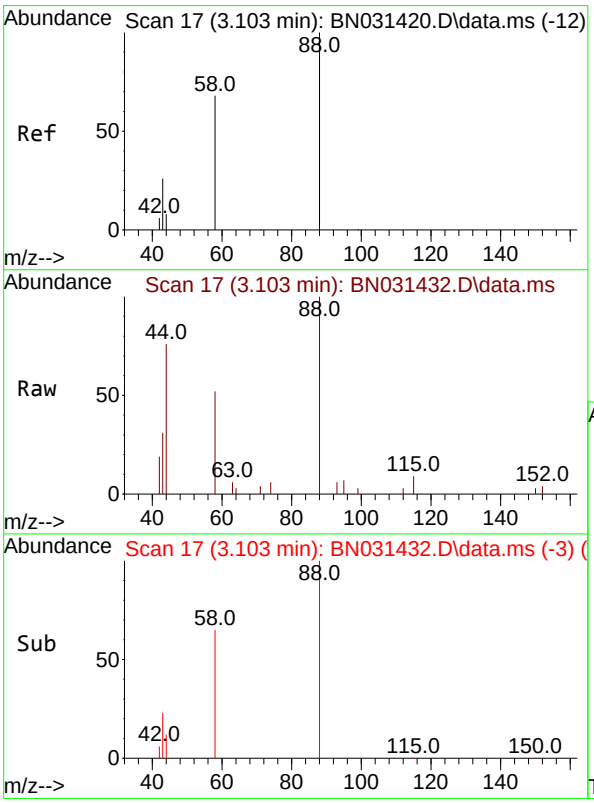
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5519

Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.2	183.2
115	62.4	47.8	71.6

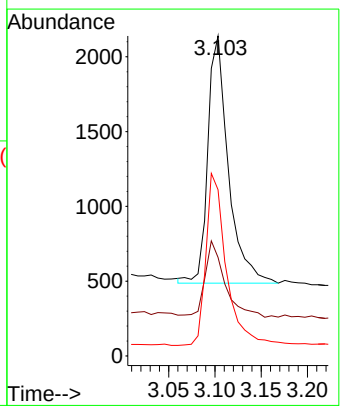


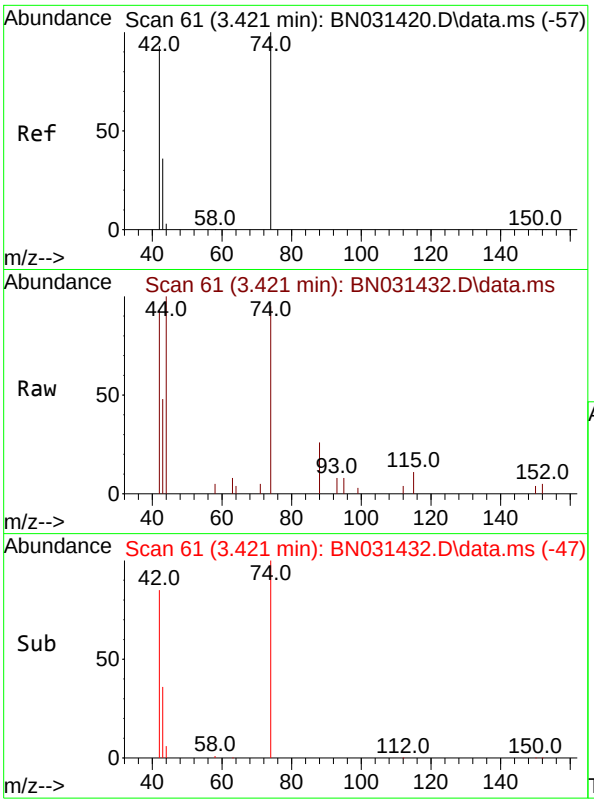


#2
1,4-Dioxane
Concen: 0.387 ng
RT: 3.103 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion: 88 Resp: 2546

Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.8	35.8
58	68.9	54.6	81.8



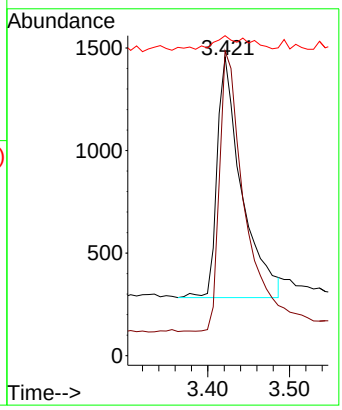


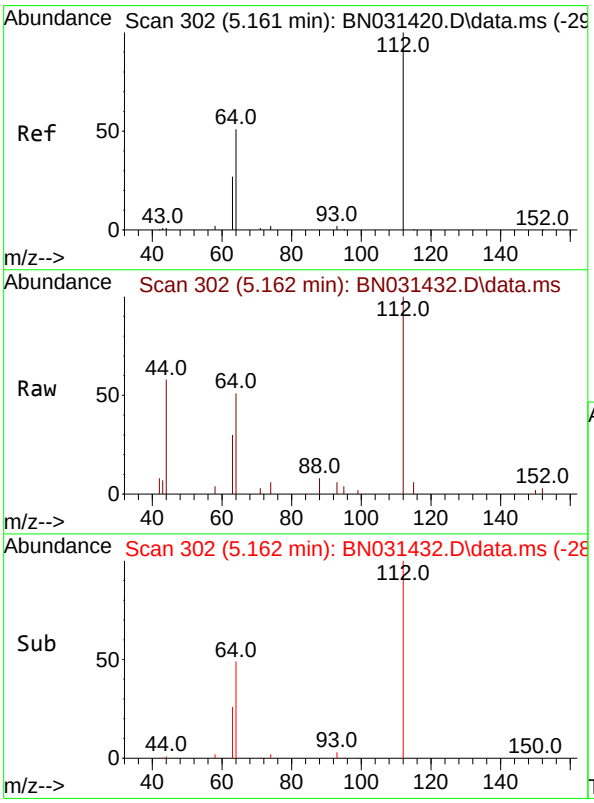
#3
n-Nitrosodimethylamine
Concen: 0.370 ng
RT: 3.421 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2432

Ion	Ratio	Lower	Upper
42	100		
74	118.9	101.7	152.5
44	4.4	5.3	7.9#

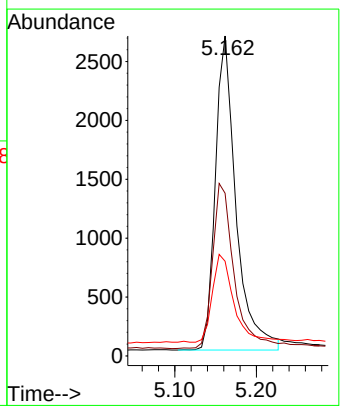


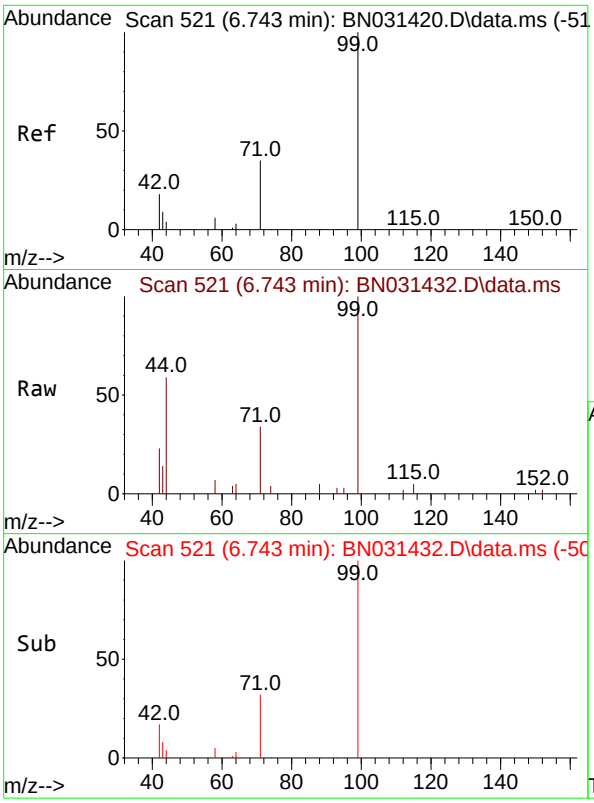


#4
2-Fluorophenol
Concen: 0.362 ng
RT: 5.162 min Scan# 302
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:112 Resp: 4682

Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.4	63.6
63	29.3	22.6	34.0



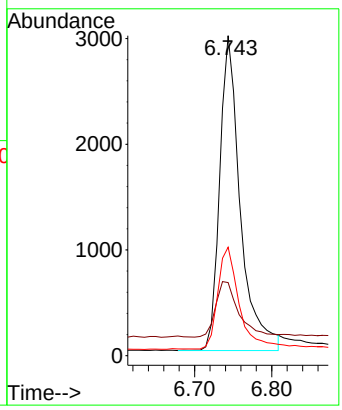


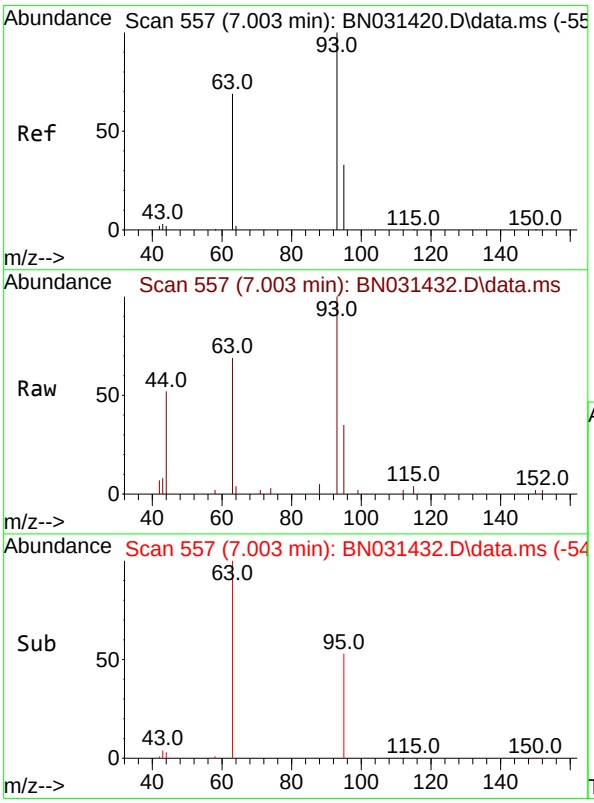
#5
Phenol-d6
Concen: 0.361 ng
RT: 6.743 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5546

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.8	23.8
71	33.4	27.8	41.6

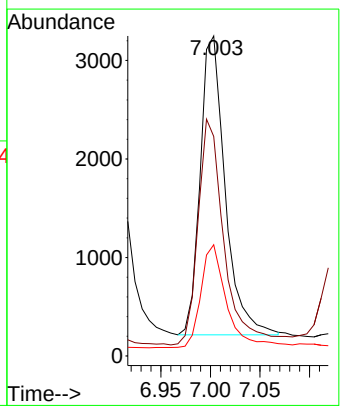


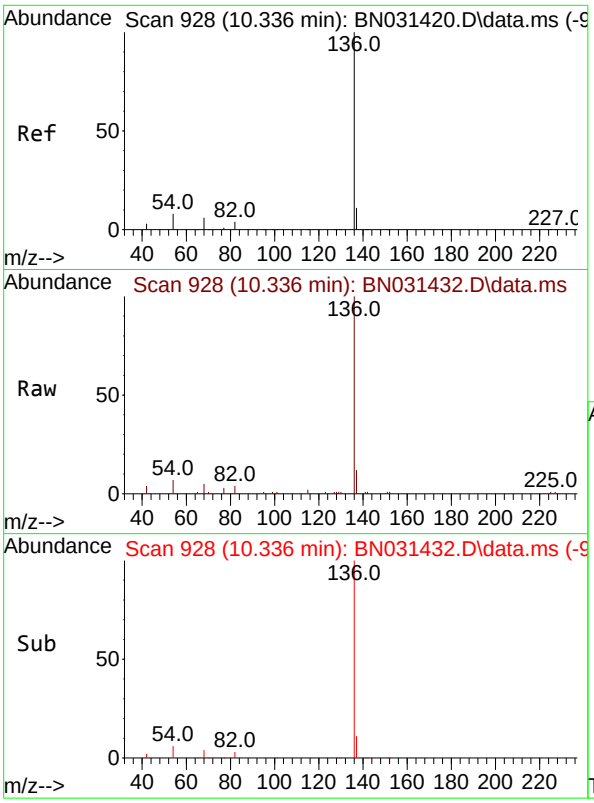


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 7.003 min Scan# 557
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion: 93 Resp: 5309

Ion	Ratio	Lower	Upper
93	100		
63	78.6	60.7	91.1
95	35.4	28.0	42.0



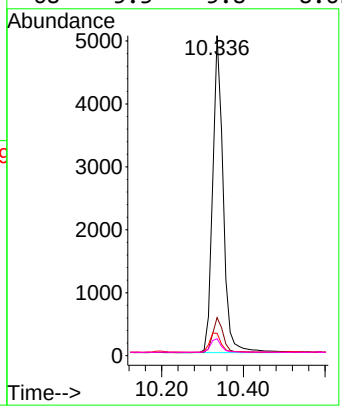


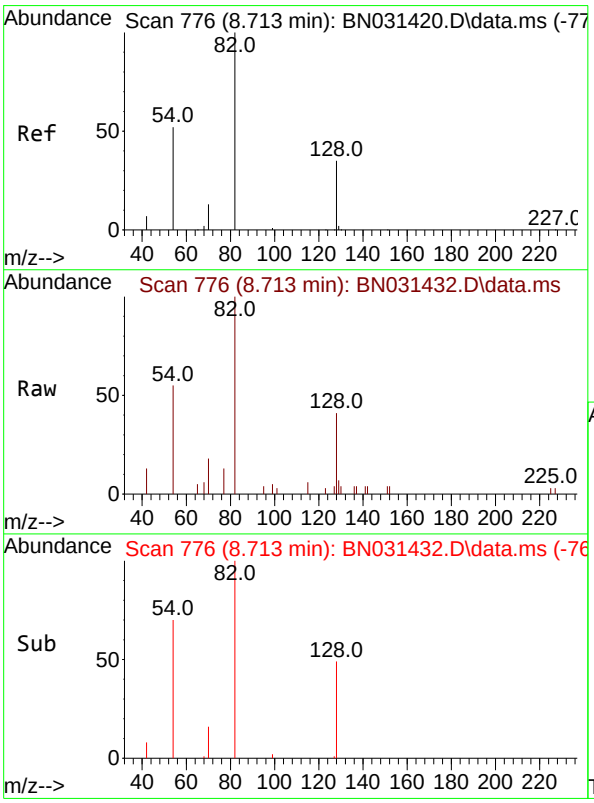
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.336 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 8967

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	7.0	7.2	10.8#
68	5.3	5.8	8.6#

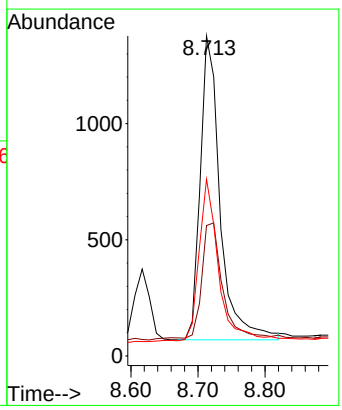


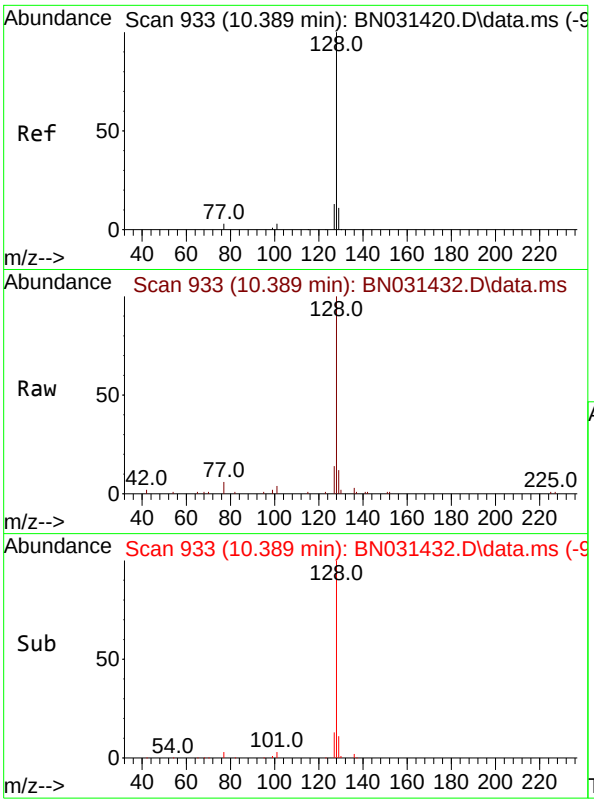


#8
Nitrobenzene-d5
Concen: 0.342 ng
RT: 8.713 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion: 82 Resp: 2690

Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.0	45.0
54	55.3	43.4	65.0



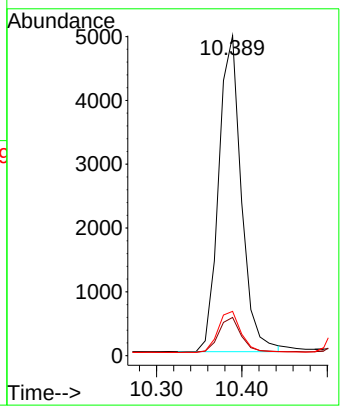


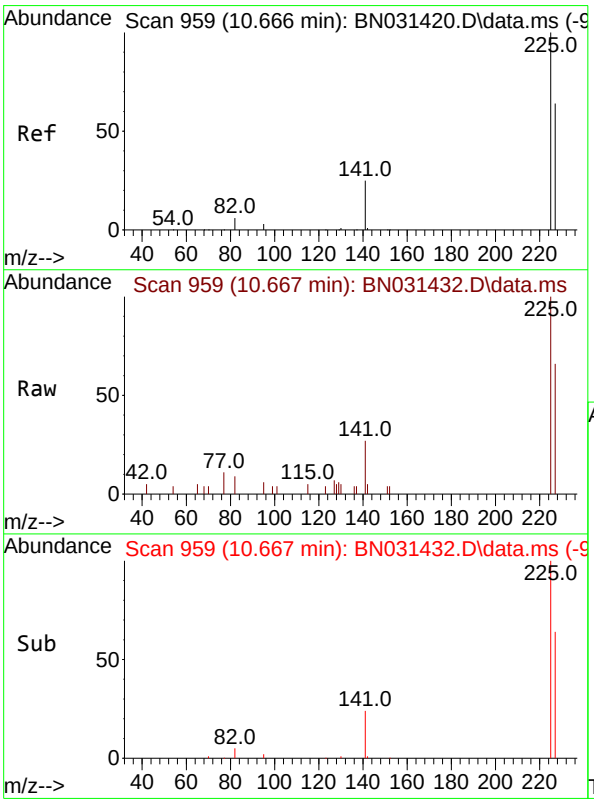
#9
Naphthalene
Concen: 0.364 ng
RT: 10.389 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 9128

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.5	14.3
127	13.9	11.1	16.7

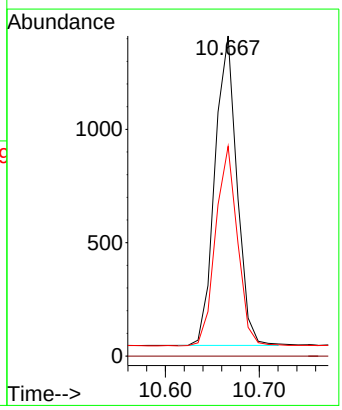


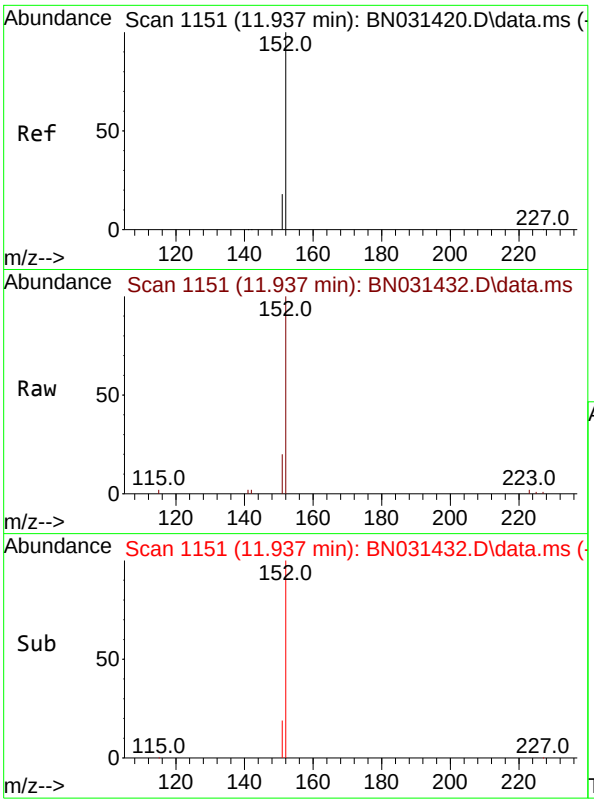


#10
Hexachlorobutadiene
Concen: 0.426 ng
RT: 10.667 min Scan# 959
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:225 Resp: 2231

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.8	76.2



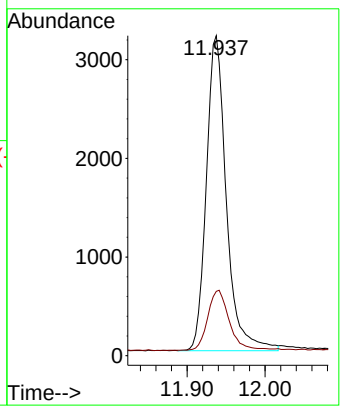


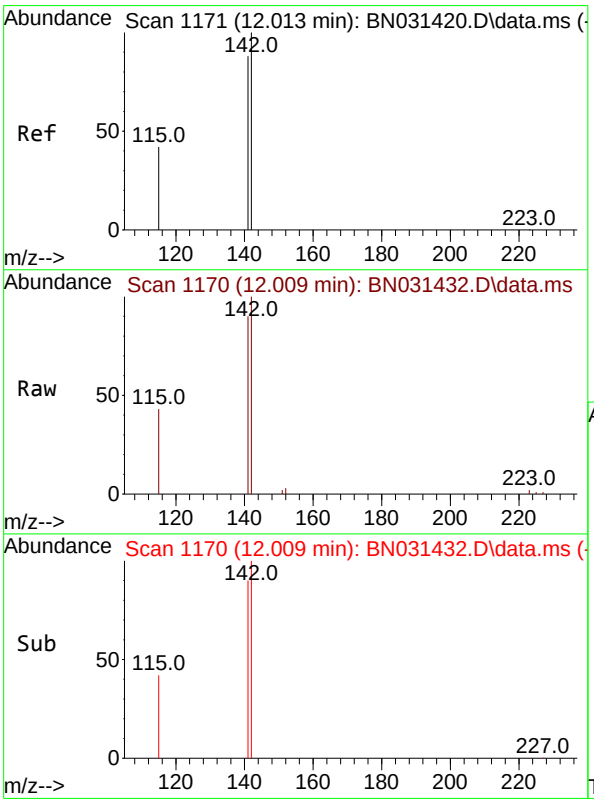
#11
2-Methylnaphthalene-d10
Concen: 0.521 ng
RT: 11.937 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5688

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.7	25.1

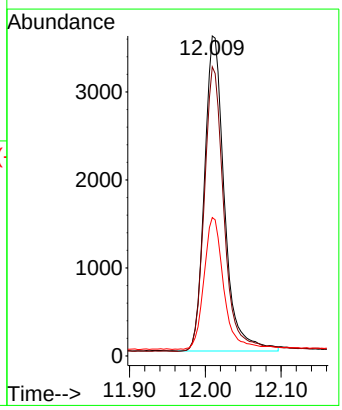


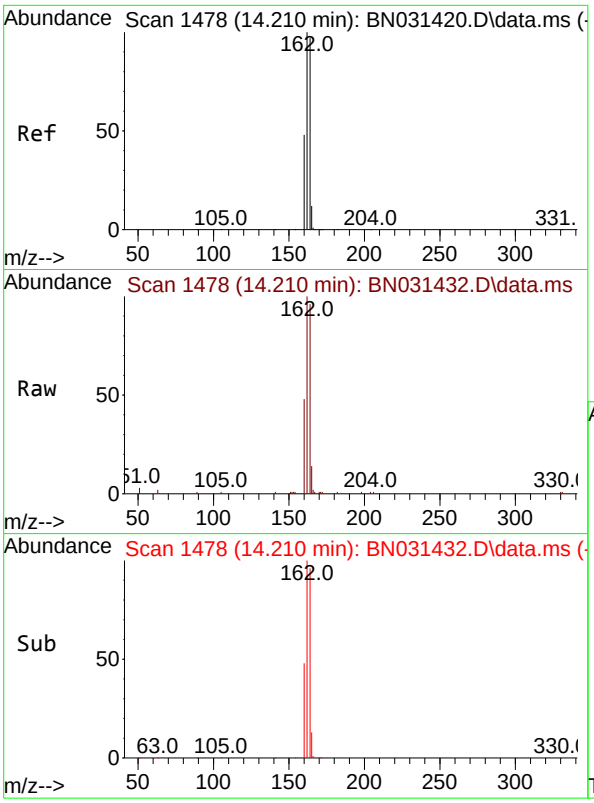


#12
2-Methylnaphthalene
Concen: 0.522 ng
RT: 12.009 min Scan# 1170
Delta R.T. -0.004 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.2	105.2
115	43.3	34.2	51.4



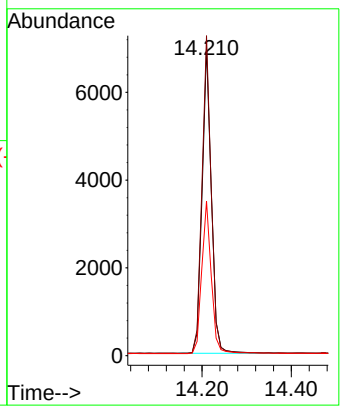


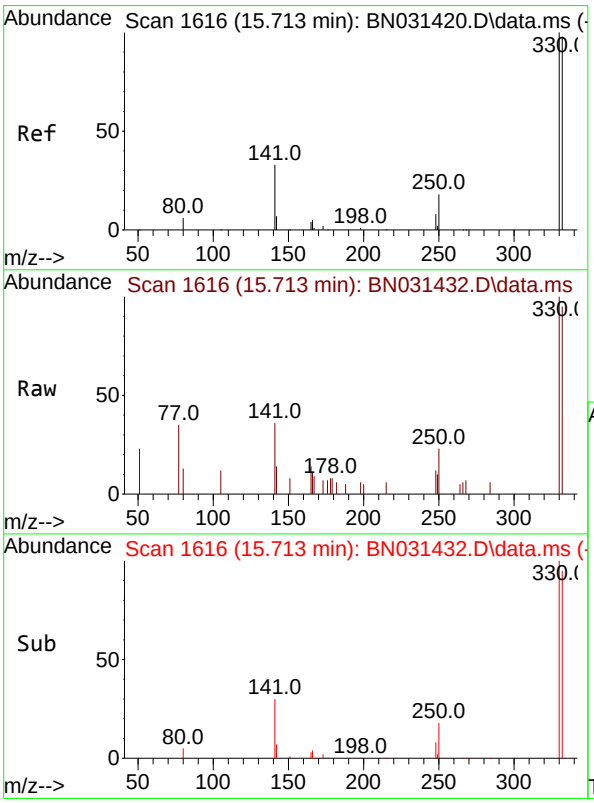
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.210 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 10044

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.3	123.5
160	50.2	40.2	60.2

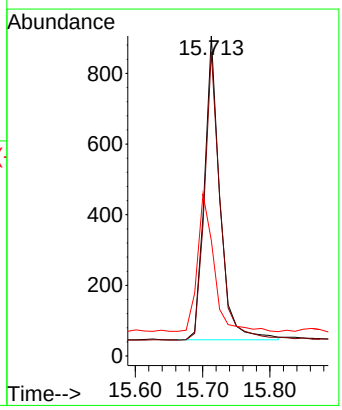


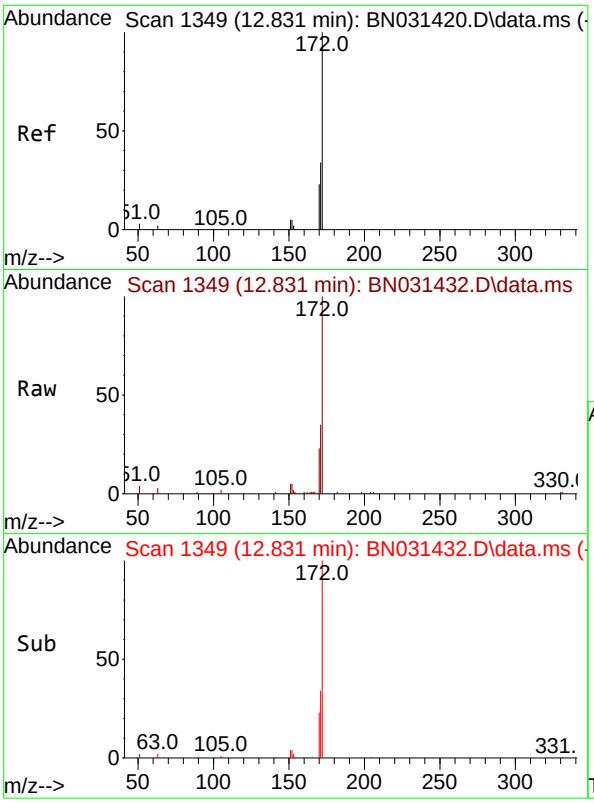


#14
2,4,6-Tribromophenol
Concen: 0.278 ng
RT: 15.713 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:330 Resp: 1373

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.5	116.3
141	48.2	39.3	58.9



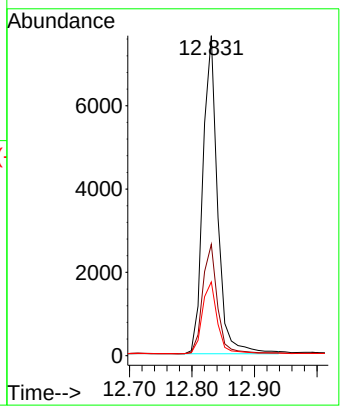


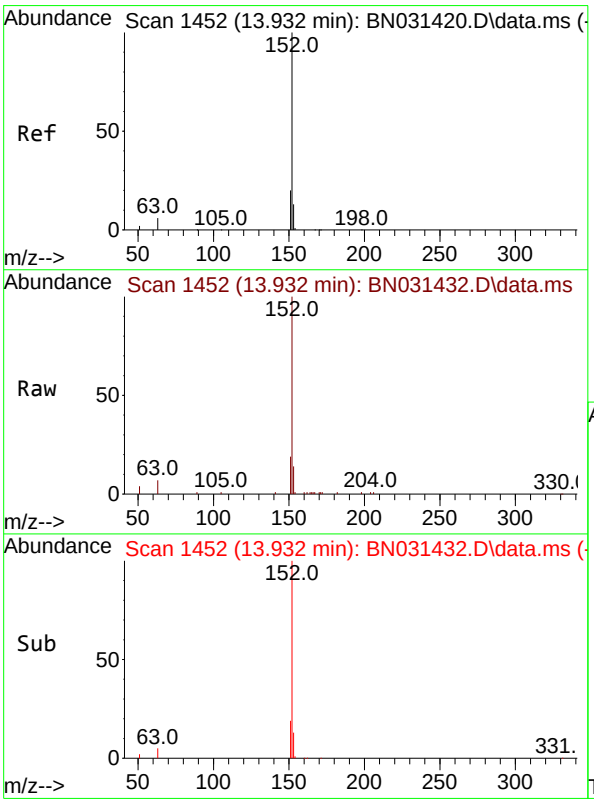
#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 12457

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	23.1	18.9	28.3

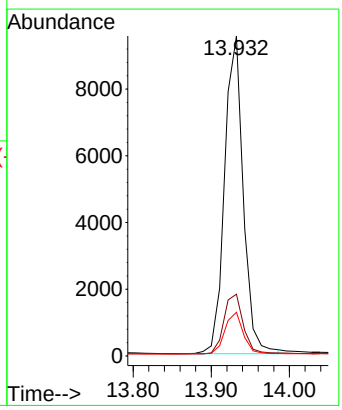


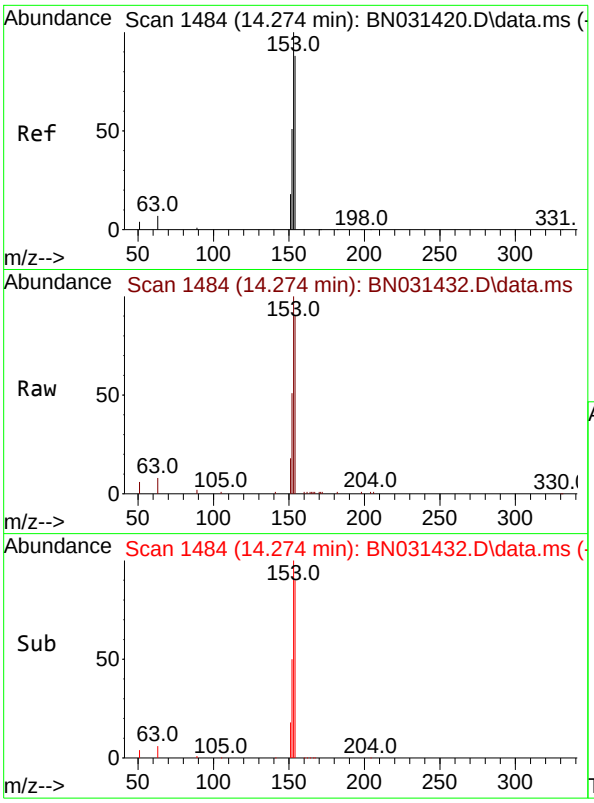


#16
Acenaphthylene
Concen: 0.359 ng
RT: 13.932 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:152 Resp: 15815

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.0	10.5	15.7



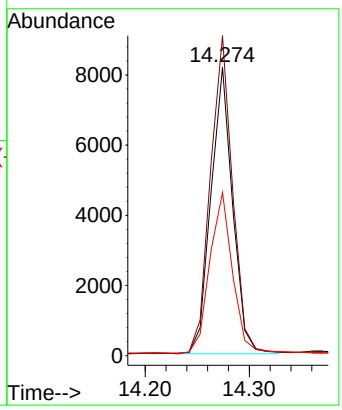


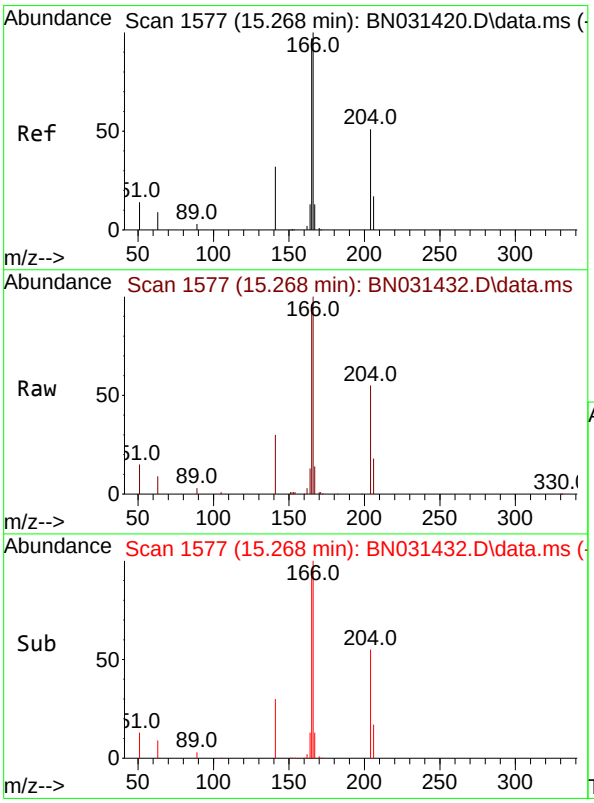
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.274 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 11820

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.4	135.6
152	58.4	46.4	69.6

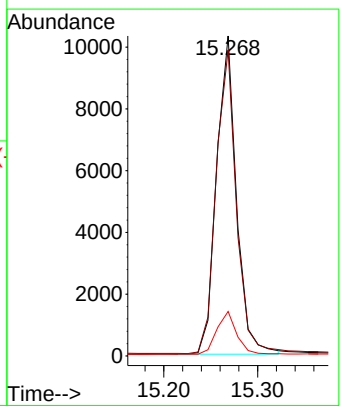


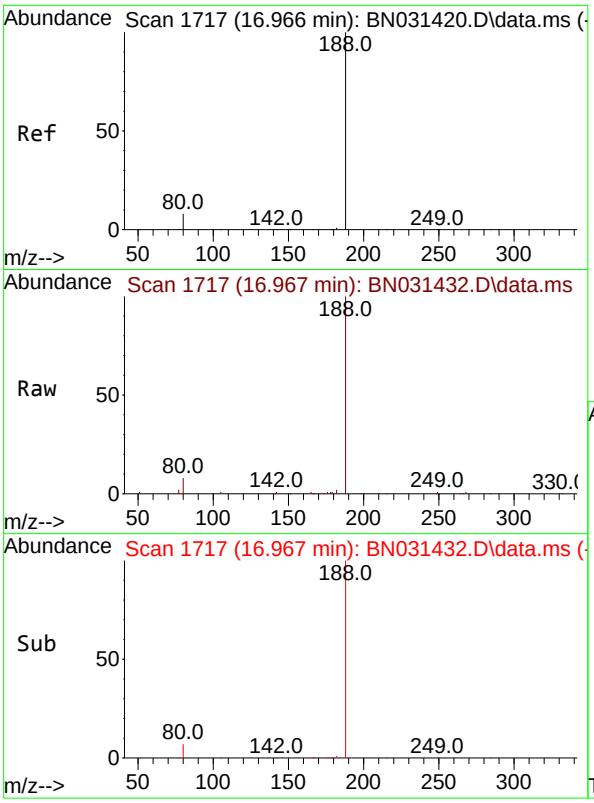


#18
Fluorene
Concen: 0.389 ng
RT: 15.268 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:166 Resp: 15204

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	13.4	10.8	16.2



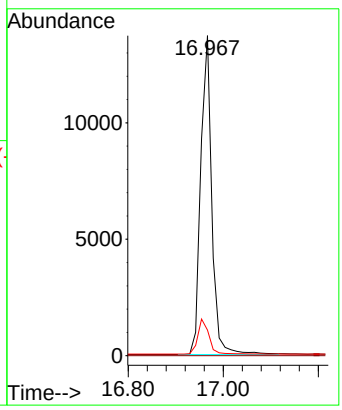


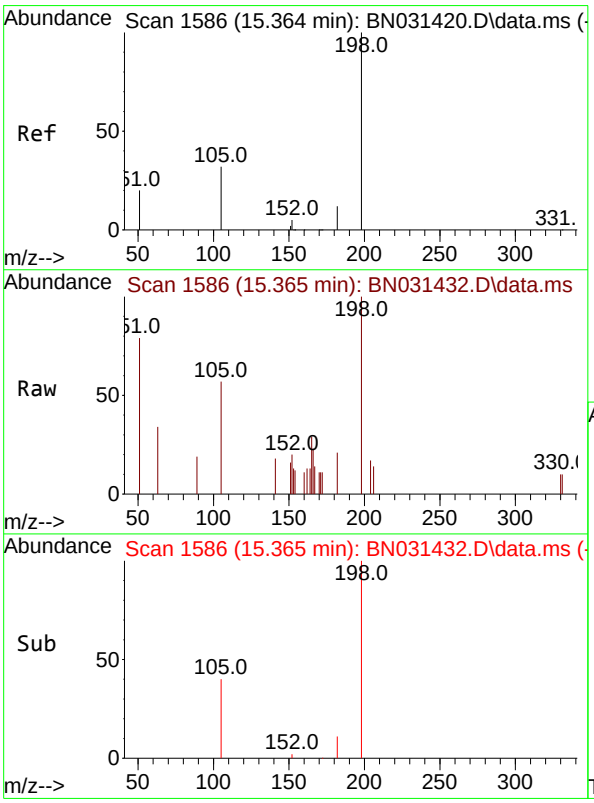
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.967 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 22311

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	6.8	10.2

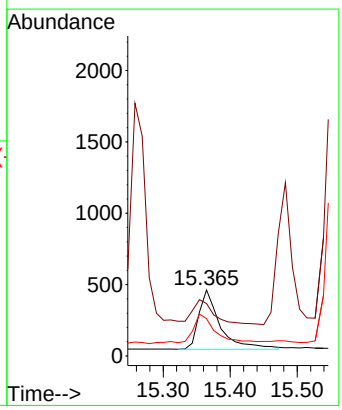


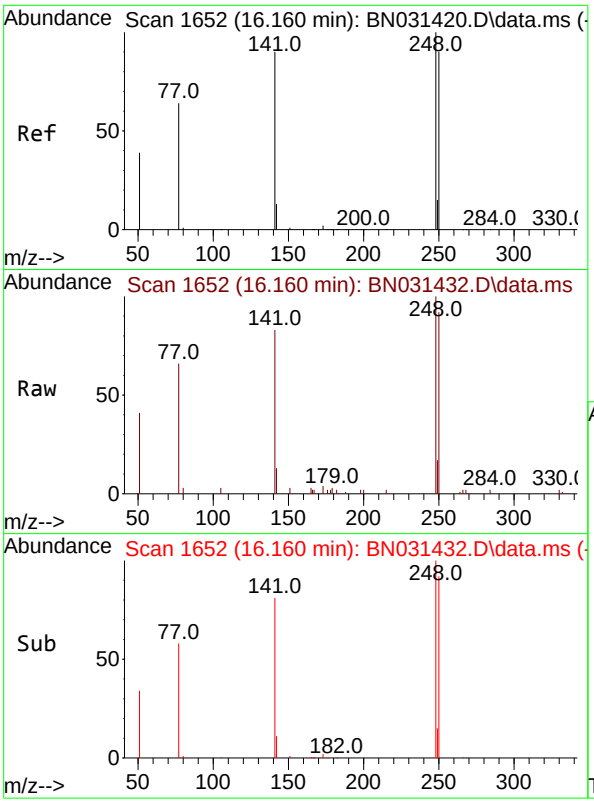


#20
4,6-Dinitro-2-methylphenol
Concen: 0.296 ng
RT: 15.365 min Scan# 1586
Delta R.T. 0.001 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:198 Resp: 928

Ion	Ratio	Lower	Upper
198	100		
51	79.5	47.4	71.2#
105	56.6	35.7	53.5#



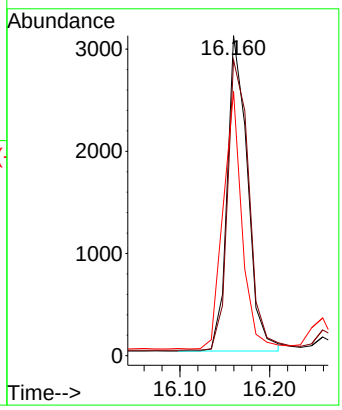


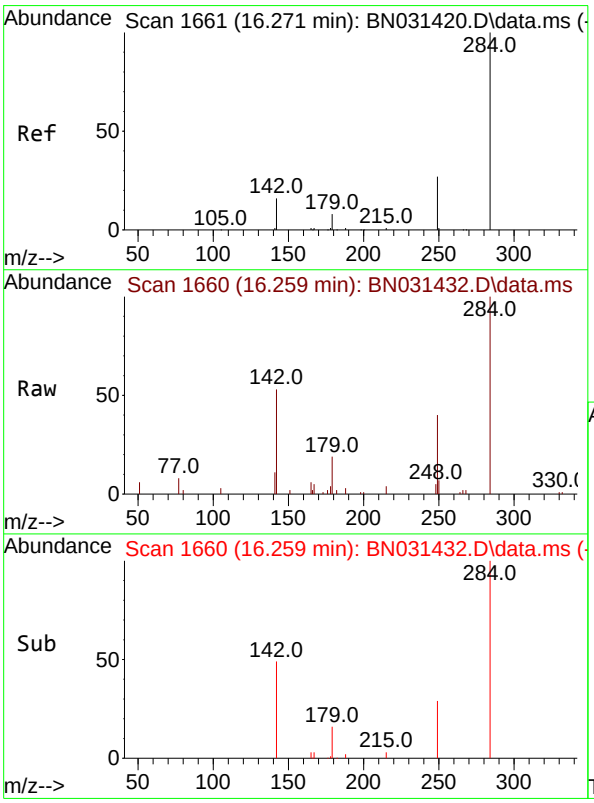
#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.160 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4835

Ion	Ratio	Lower	Upper
248	100		
250	92.4	72.3	108.5
141	82.5	72.9	109.3

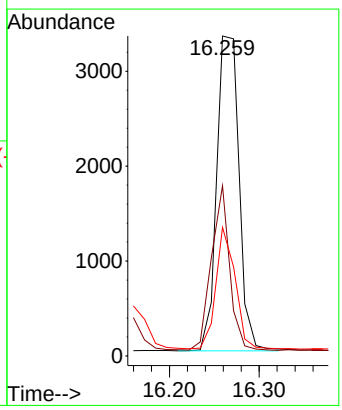


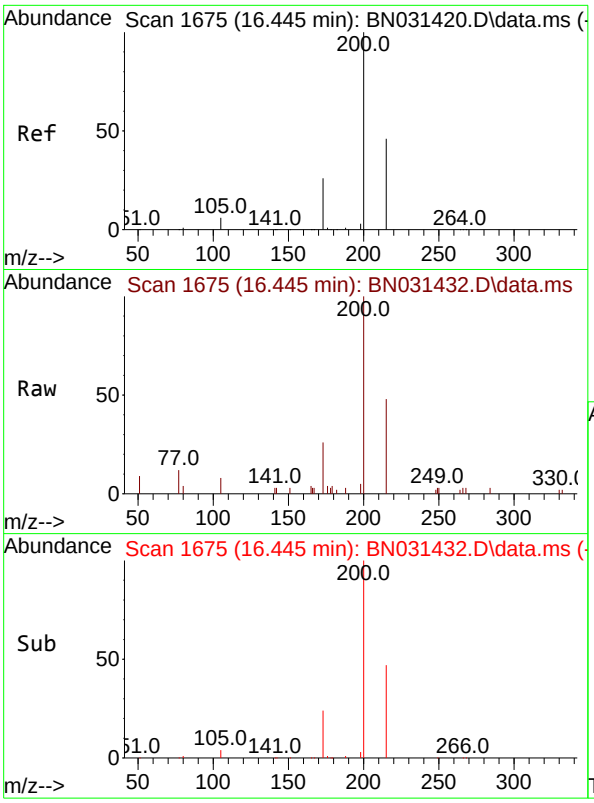


#22
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.259 min Scan# 1660
Delta R.T. -0.012 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:284 Resp: 5748

Ion	Ratio	Lower	Upper
284	100		
142	42.5	33.8	50.8
249	32.9	25.8	38.8



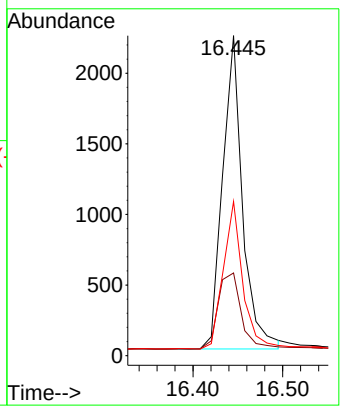


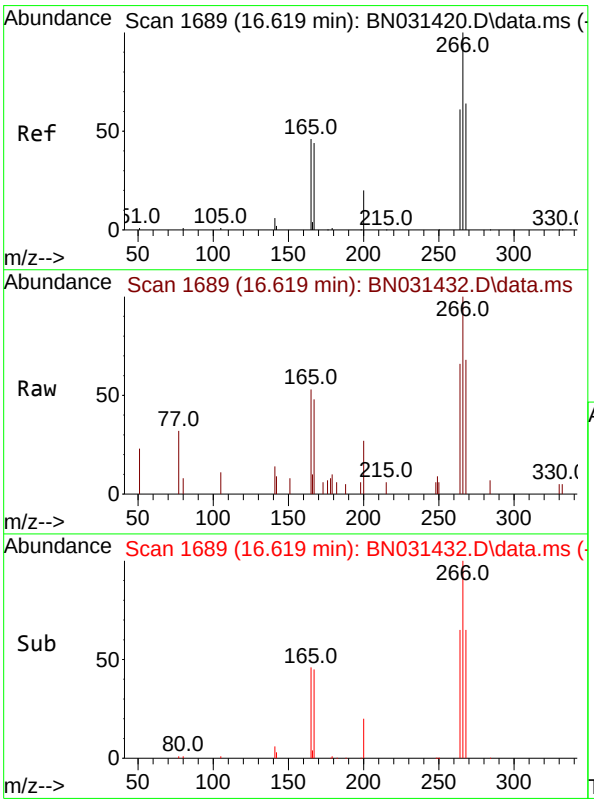
#23
Atrazine
Concen: 0.337 ng
RT: 16.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 3409

Ion	Ratio	Lower	Upper
200	100		
173	25.9	21.8	32.6
215	48.2	37.5	56.3

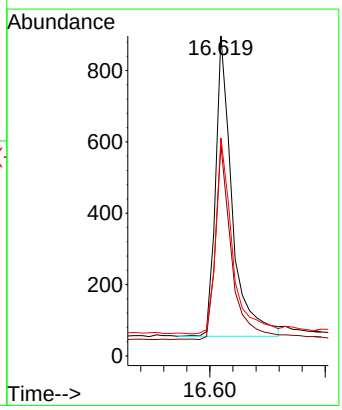


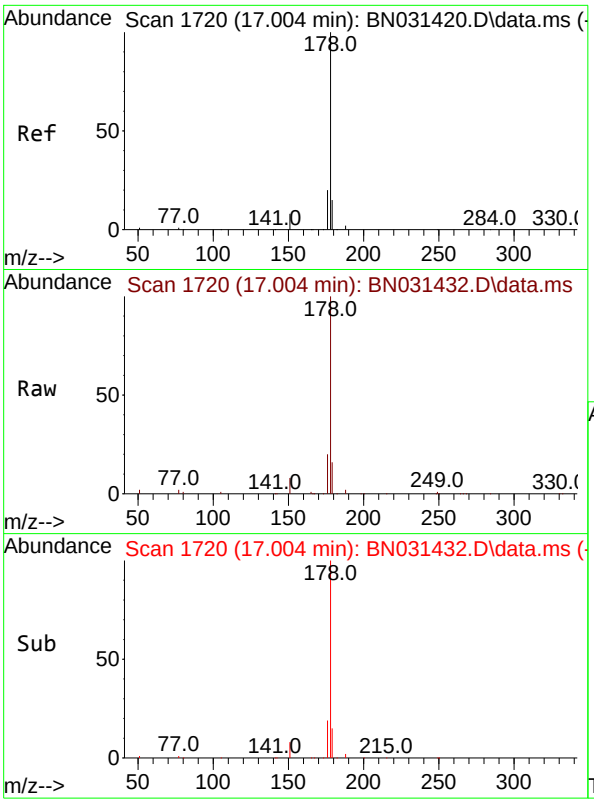


#24
Pentachlorophenol
Concen: 0.358 ng
RT: 16.619 min Scan# 1689
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:266 Resp: 1685

Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.0	73.4
268	65.2	51.0	76.4



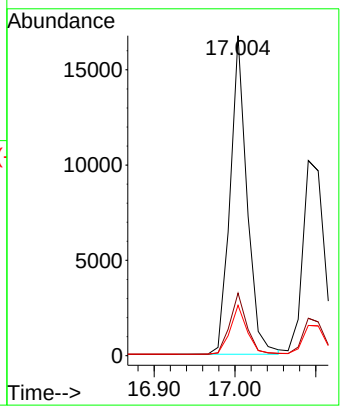


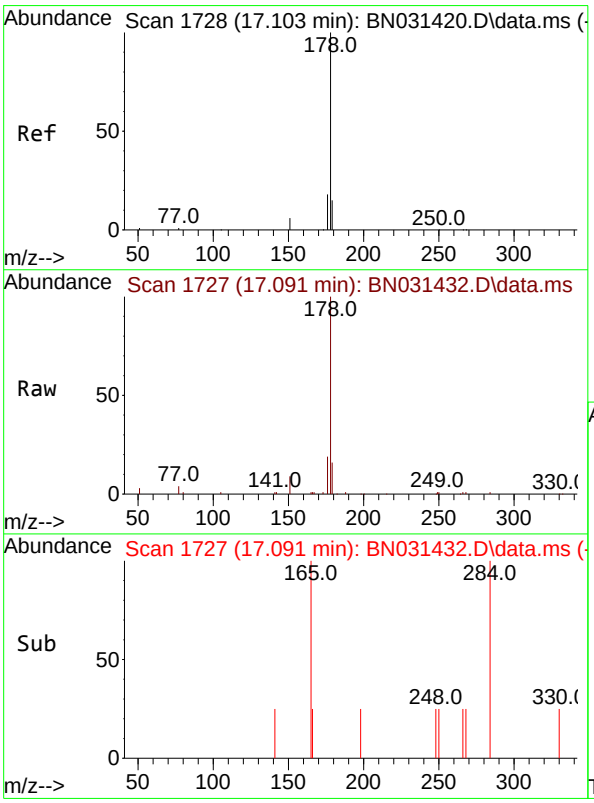
#25
Phenanthrene
Concen: 0.379 ng
RT: 17.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 24245

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.3	18.5

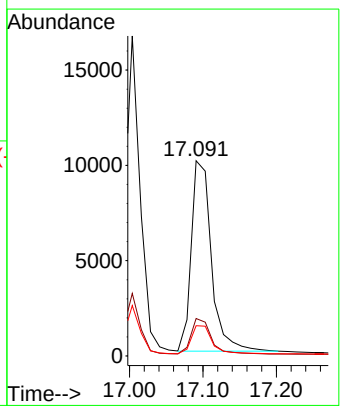


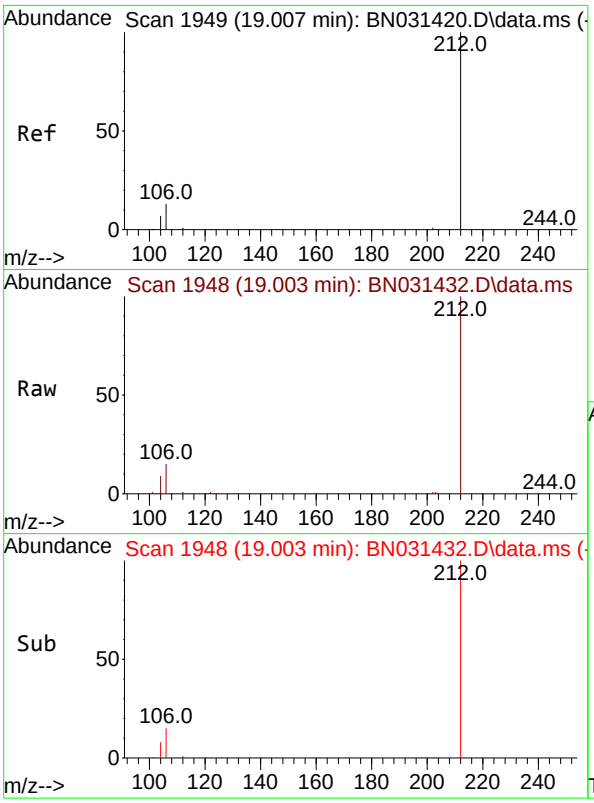


#26
Anthracene
Concen: 0.354 ng
RT: 17.091 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:178 Resp: 19069

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.0	12.1	18.1



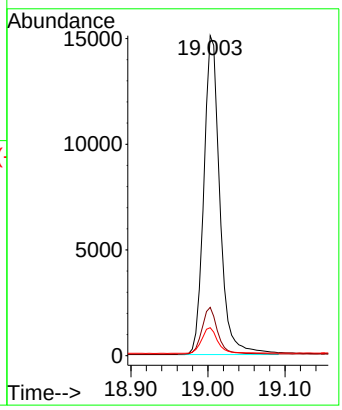


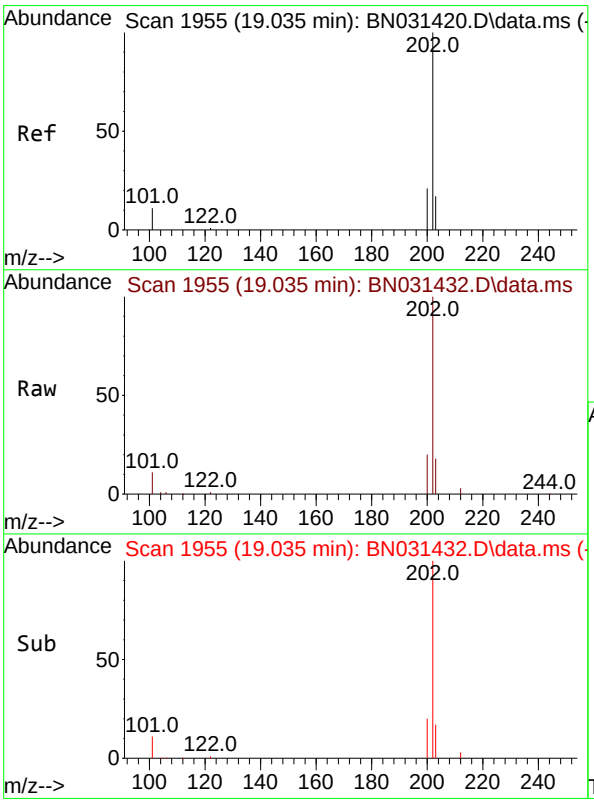
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.003 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 21834

Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	8.3	6.4	9.6

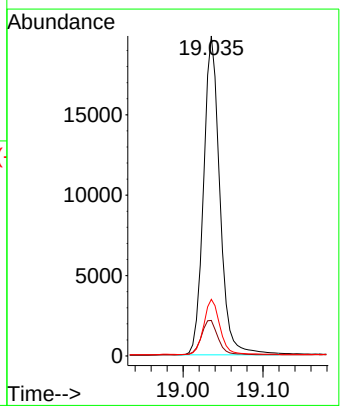


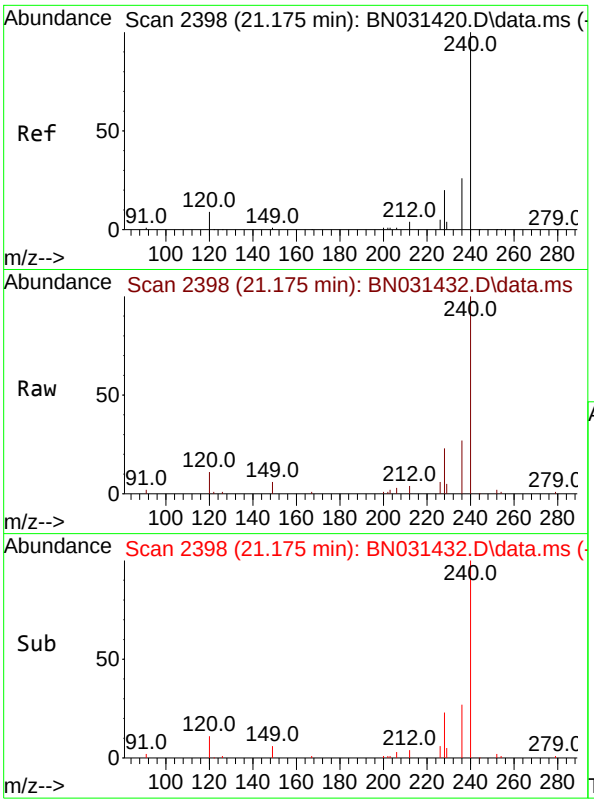


#28
Fluoranthene
Concen: 0.360 ng
RT: 19.035 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:202 Resp: 28141

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.2	13.8
203	17.2	13.7	20.5



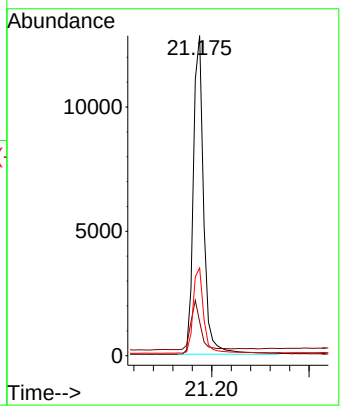


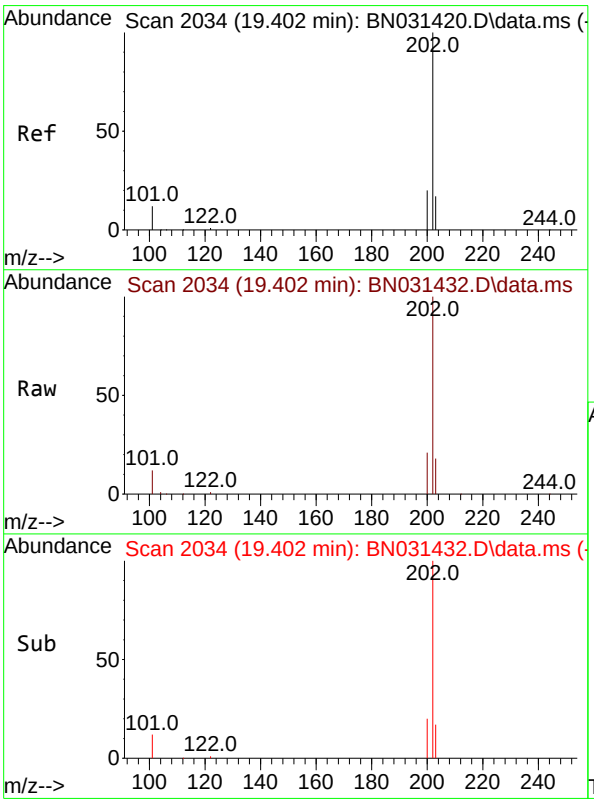
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.175 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 18976

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	27.4	21.4	32.2

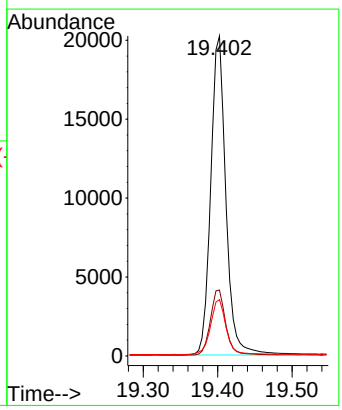


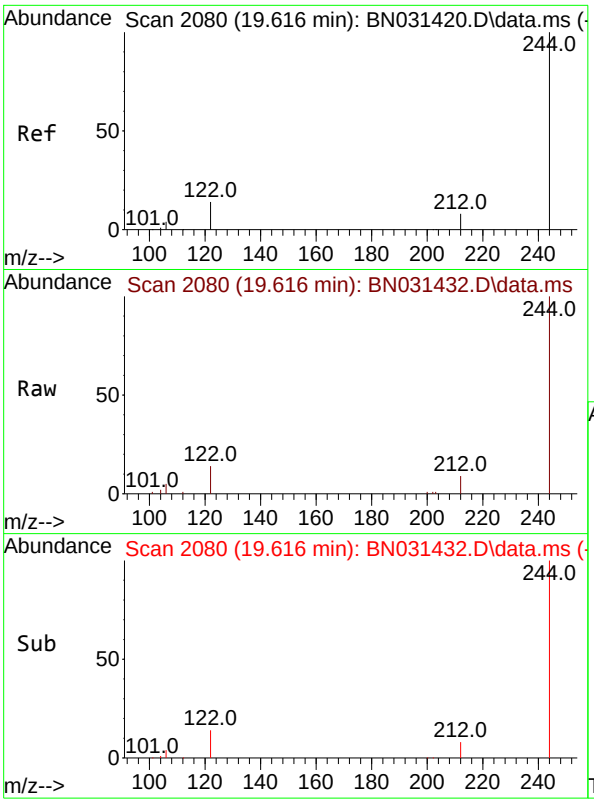


#30
Pyrene
Concen: 0.435 ng
RT: 19.402 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:202 Resp: 28513

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	18.0	14.3	21.5



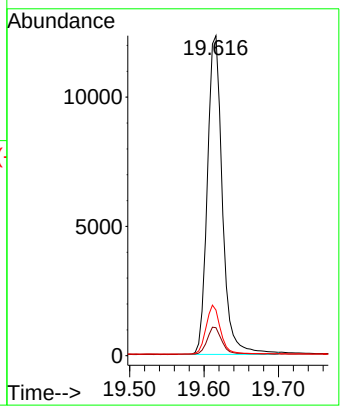


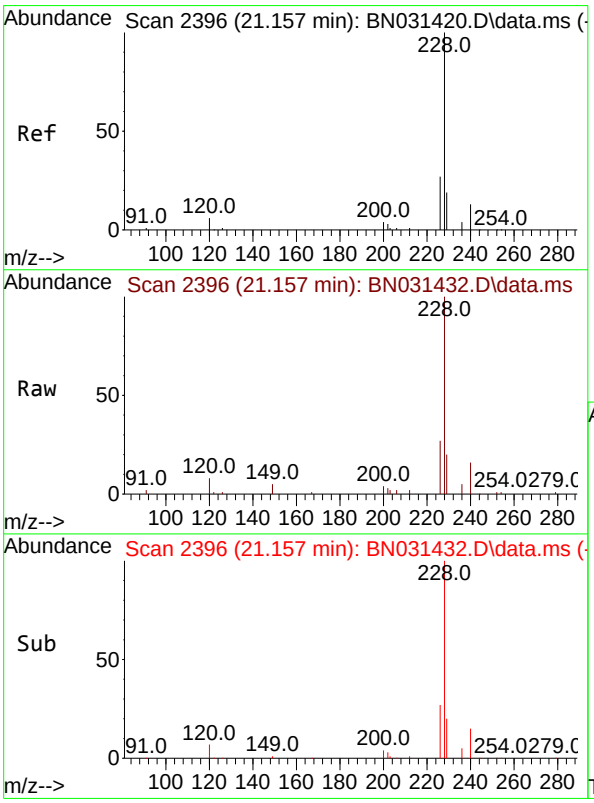
#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.616 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 17308

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.9	10.3
122	14.3	11.4	17.2

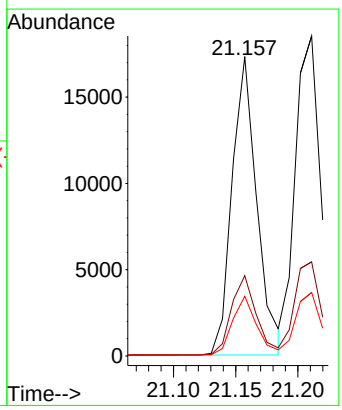


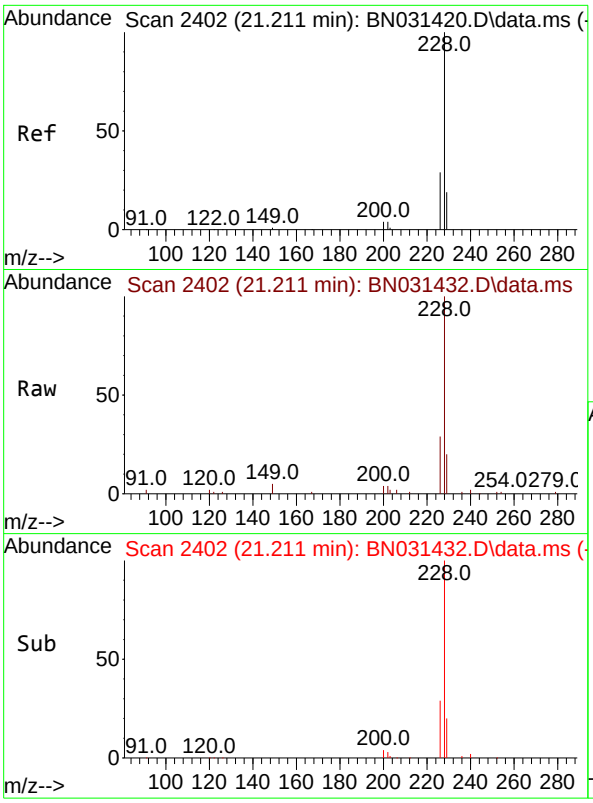


#32
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.157 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:228 Resp: 23996

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.6
229	19.9	15.6	23.4



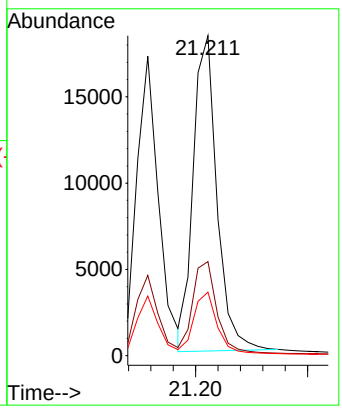


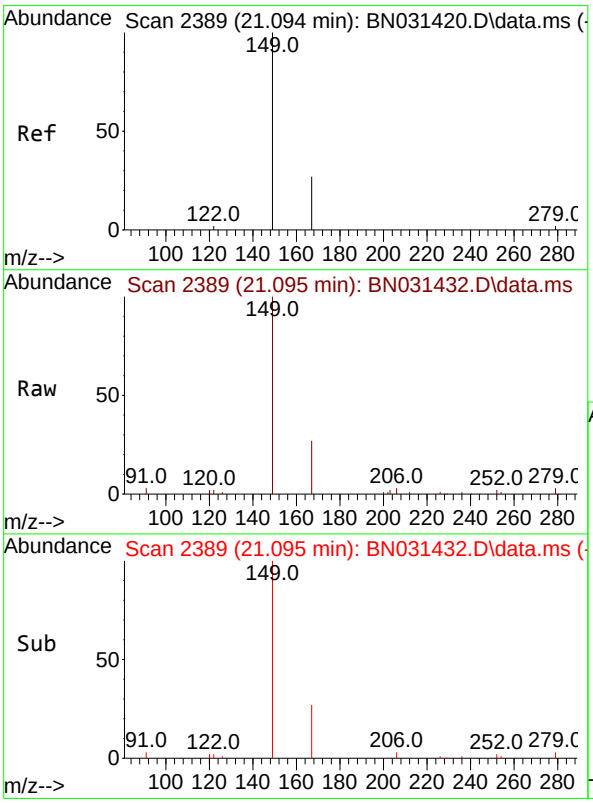
#33
Chrysene
Concen: 0.394 ng
RT: 21.211 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 26910

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.6	35.4
229	19.8	15.8	23.8

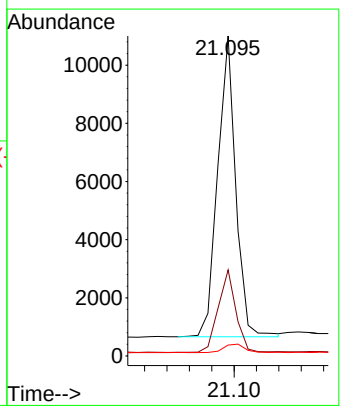


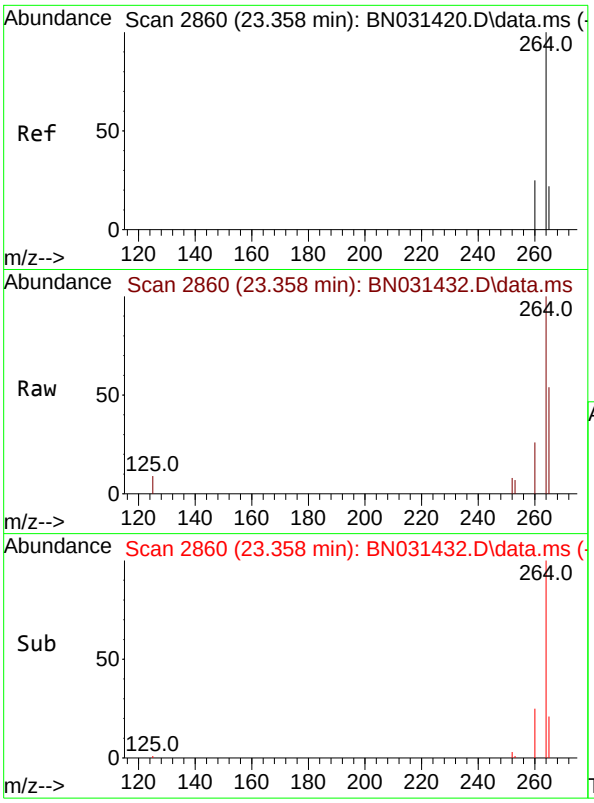


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.335 ng
RT: 21.095 min Scan# 2389
Delta R.T. 0.001 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:149 Resp: 11583

Ion	Ratio	Lower	Upper
149	100		
167	26.7	23.0	34.4
279	3.3	3.2	4.8



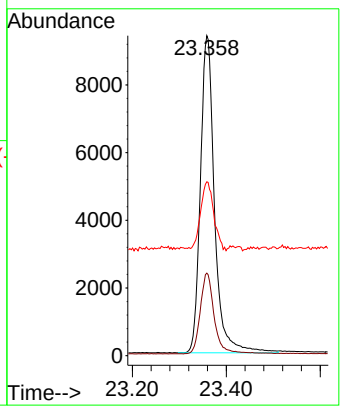


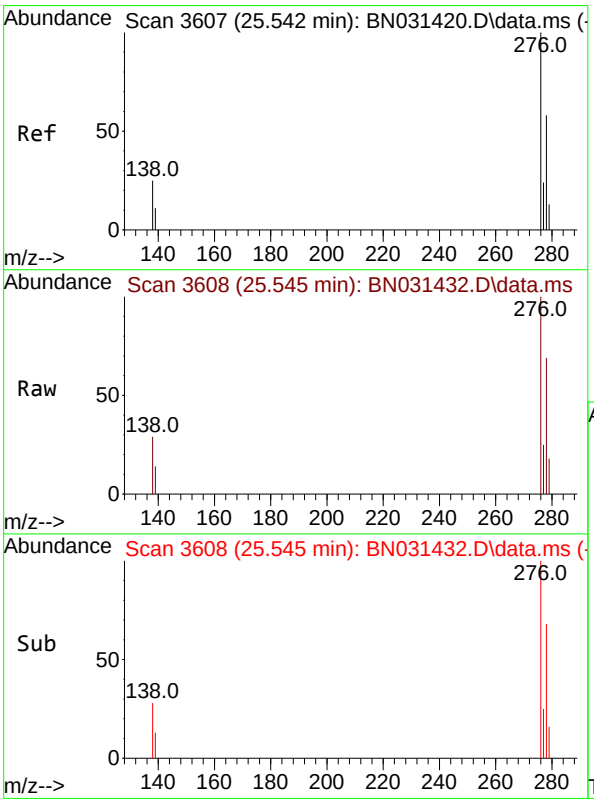
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.358 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 19551

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.2	30.4
265	54.4	43.4	65.2

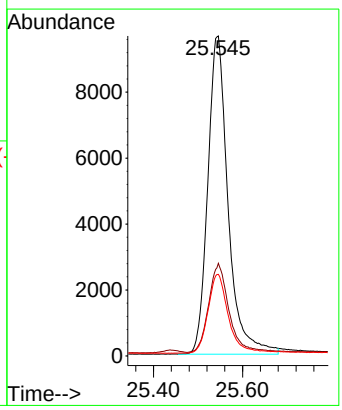


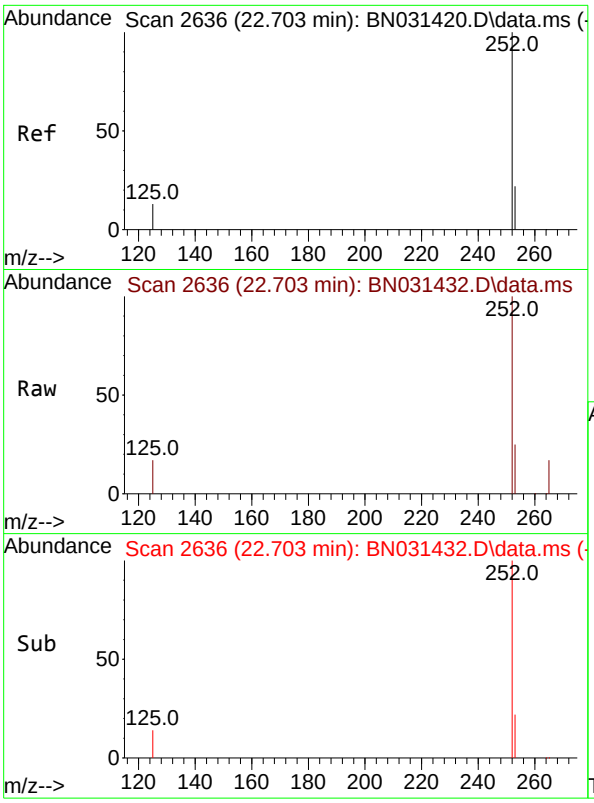


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 25.545 min Scan# 3608
Delta R.T. 0.003 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:276 Resp: 30601

Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.5	32.3
277	24.4	19.8	29.8



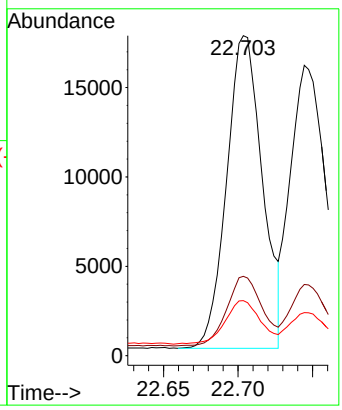


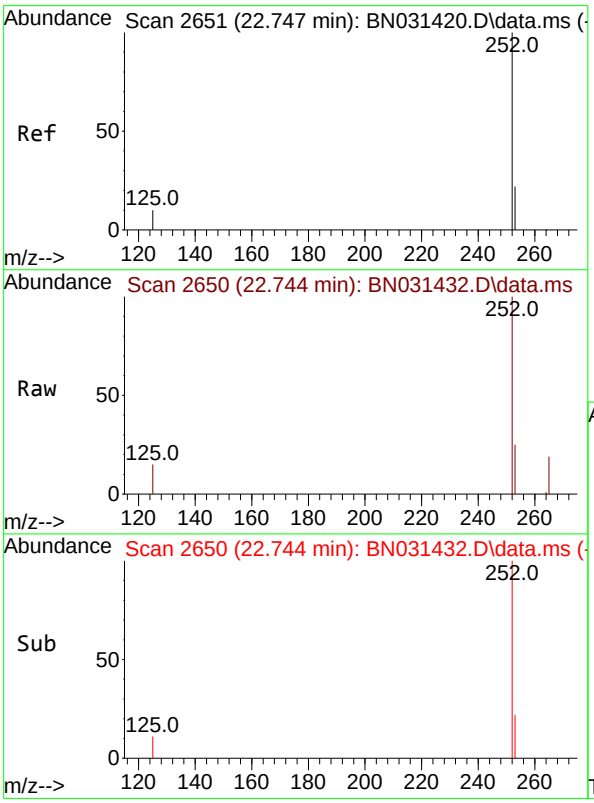
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.703 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 29135

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.5	29.3
125	17.2	12.9	19.3

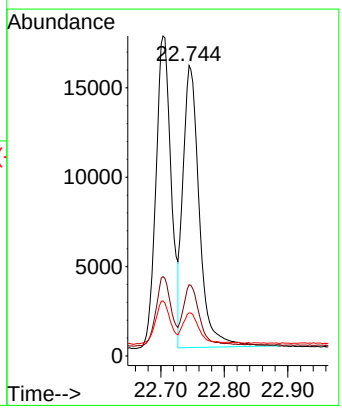


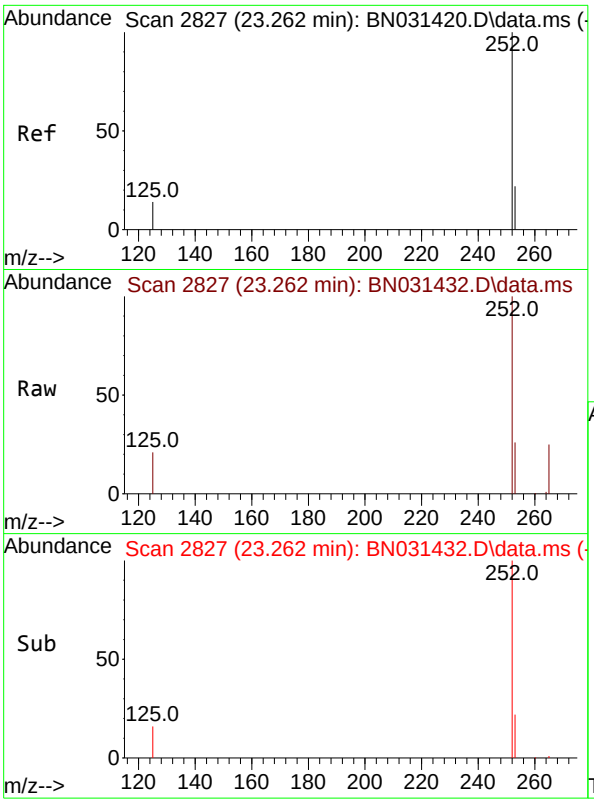


#38
Benzo(k)fluoranthene
Concen: 0.376 ng
RT: 22.744 min Scan# 2650
Delta R.T. -0.003 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:252 Resp: 28317

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.5	29.3
125	14.8	11.5	17.3



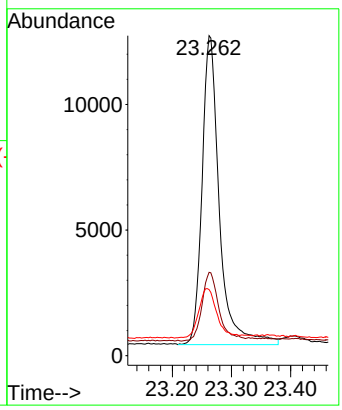


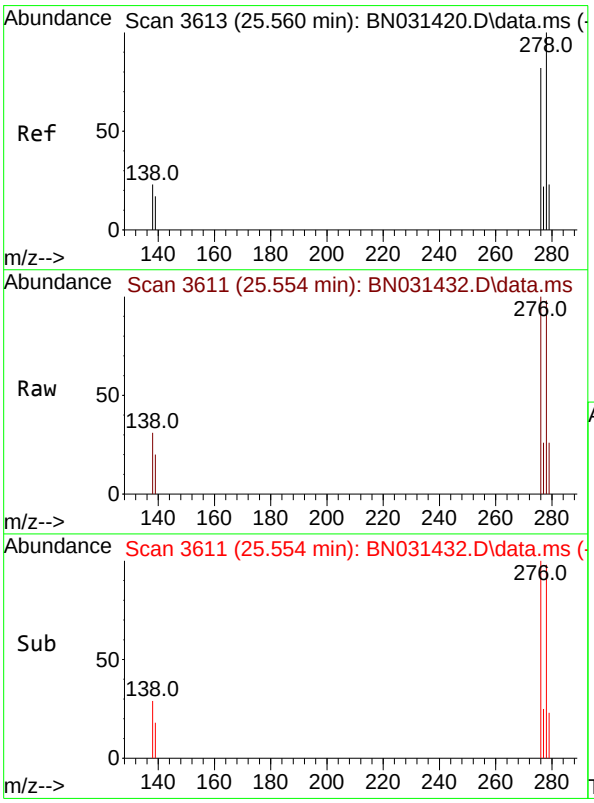
#39
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 24959

Ion	Ratio	Lower	Upper
252	100		
253	26.1	20.8	31.2
125	20.7	15.2	22.8

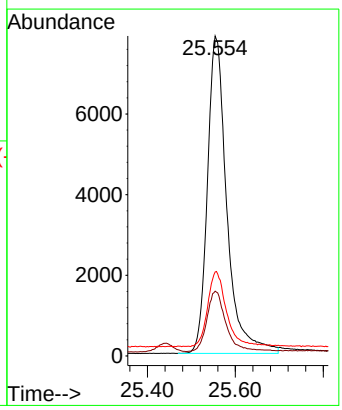


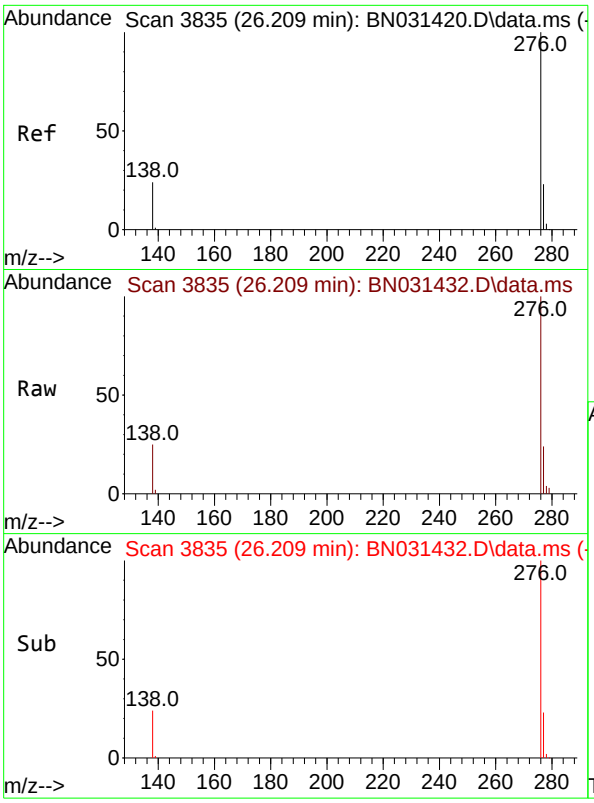


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.554 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Tgt Ion:278 Resp: 24191

Ion	Ratio	Lower	Upper
278	100		
139	20.3	14.7	22.1
279	26.3	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 26.209 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN031432.D
Acq: 08 May 2024 10:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 24105

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	25.0	19.7	29.5