Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061024\
Data File : BN031875.D
Acq On : 10 Jun 2024 13:10
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 10 15:50:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 15:47:32 2024
Response via : Initial Calibration

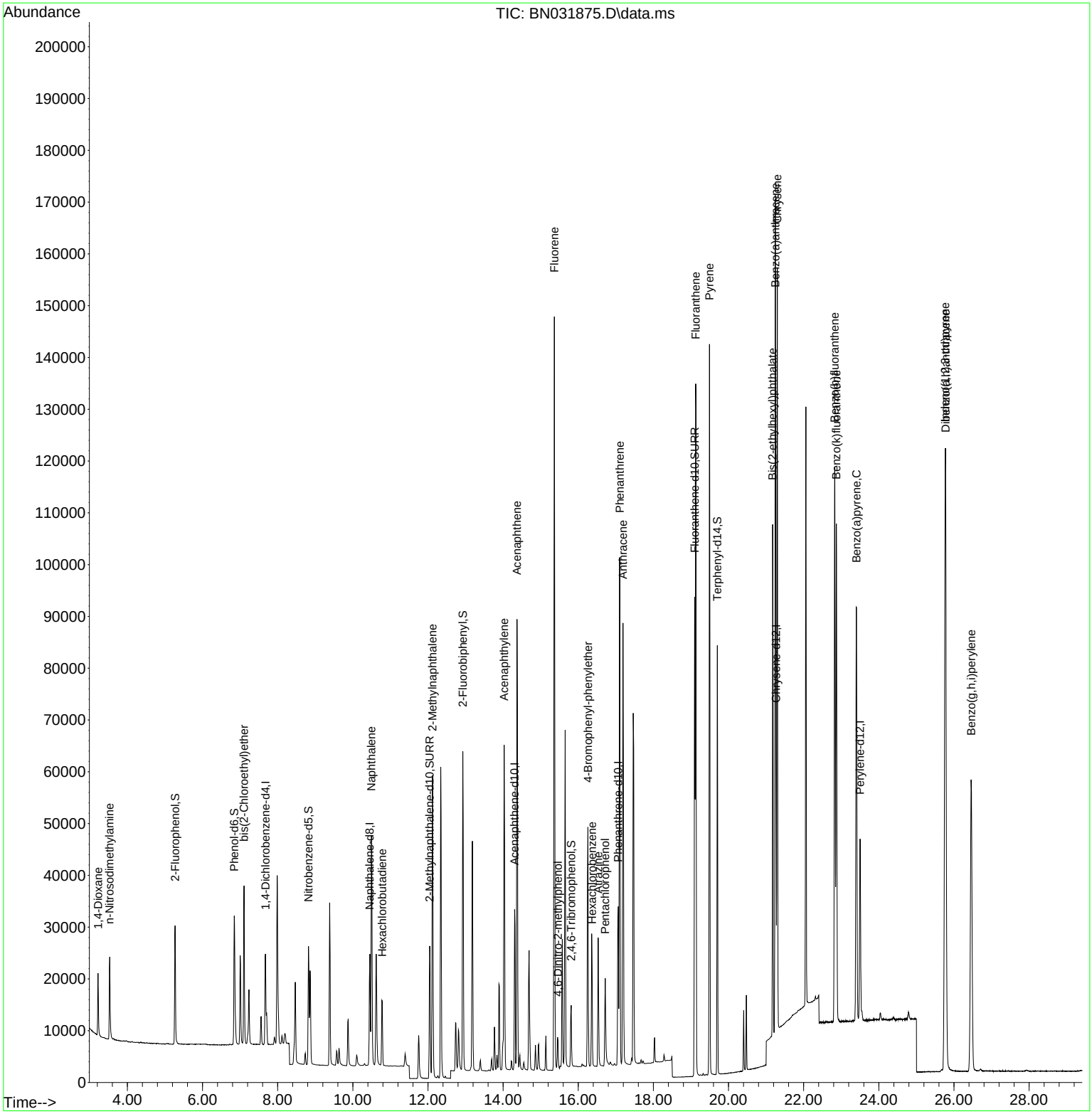
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.675	152	9031	0.400	ng		0.00
7) Naphthalene-d8	10.453	136	30111	0.400	ng		0.00
13) Acenaphthene-d10	14.306	164	19359	0.400	ng		-0.01
19) Phenanthrene-d10	17.066	188	44784	0.400	ng		0.00
29) Chrysene-d12	21.265	240	41911	0.400	ng		0.00
35) Perylene-d12	23.501	264	45450	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.270	112	20261	0.789	ng		0.00
5) Phenol-d6	6.844	99	26536	0.788	ng		0.00
8) Nitrobenzene-d5	8.819	82	19685	0.787	ng		0.00
11) 2-Methylnaphthalene-d10	12.047	152	38808	0.809	ng		0.00
14) 2,4,6-Tribromophenol	15.812	330	7205	0.776	ng		0.00
15) 2-Fluorobiphenyl	12.927	172	57753	0.786	ng		0.00
27) Fluoranthene-d10	19.100	212	100558	0.825	ng		0.00
31) Terphenyl-d14	19.704	244	79688	0.778	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.219	88	8438	0.763	ng		97
3) n-Nitrosodimethylamine	3.522	42	8422	0.801	ng		99
6) bis(2-Chloroethyl)ether	7.104	93	23190	0.800	ng		99
9) Naphthalene	10.496	128	64629	0.797	ng		99
10) Hexachlorobutadiene	10.784	225	11199	0.790	ng	#	99
12) 2-Methylnaphthalene	12.122	142	44720	0.807	ng		98
16) Acenaphthylene	14.028	152	70228	0.787	ng		100
17) Acenaphthene	14.370	154	45475	0.792	ng		100
18) Fluorene	15.365	166	61447	0.801	ng		99
20) 4,6-Dinitro-2-methylph...	15.461	198	5304	0.728	ng	#	77
21) 4-Bromophenyl-phenylether	16.259	248	20069	0.790	ng		97
22) Hexachlorobenzene	16.371	284	20918	0.794	ng		100
23) Atrazine	16.532	200	18866	0.811	ng		99
24) Pentachlorophenol	16.718	266	9682	0.749	ng		100
25) Phenanthrene	17.103	178	98179	0.790	ng		100
26) Anthracene	17.190	178	92535	0.802	ng		100
28) Fluoranthene	19.128	202	123534	0.820	ng		100
30) Pyrene	19.495	202	127560	0.766	ng		100
32) Benzo(a)anthracene	21.247	228	124192	0.787	ng		99
33) Chrysene	21.300	228	119076	0.798	ng		100
34) Bis(2-ethylhexyl)phtha...	21.175	149	87351	0.811	ng		99
36) Indeno(1,2,3-cd)pyrene	25.767	276	139273	0.821	ng		100
37) Benzo(b)fluoranthene	22.826	252	130013	0.785	ng	#	94
38) Benzo(k)fluoranthene	22.873	252	123793	0.790	ng		95
39) Benzo(a)pyrene	23.405	252	112951	0.790	ng	#	94
40) Dibenzo(a,h)anthracene	25.779	278	109533	0.820	ng		96
41) Benzo(g,h,i)perylene	26.460	276	118107	0.823	ng		98

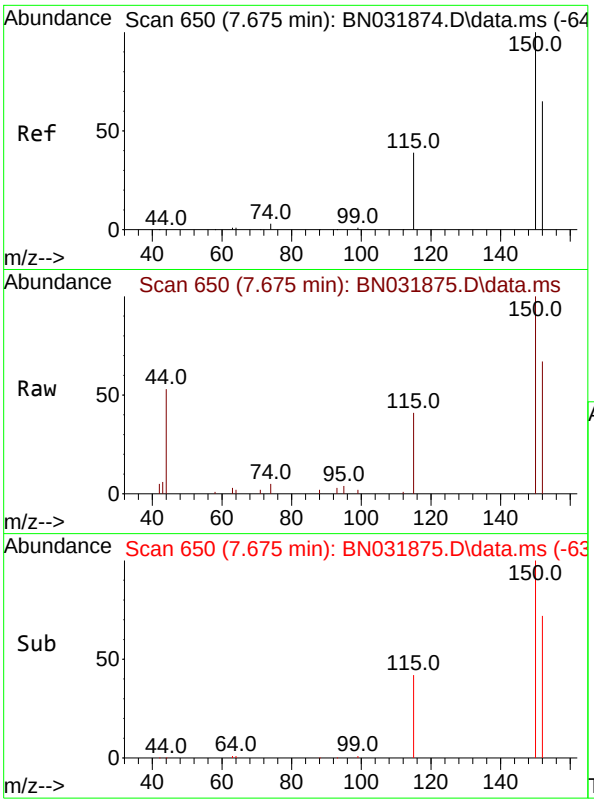
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061024\
Data File : BN031875.D
Acq On : 10 Jun 2024 13:10
Operator : MA/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 10 15:50:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 15:47:32 2024
Response via : Initial Calibration



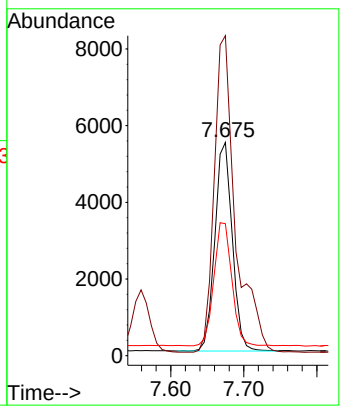


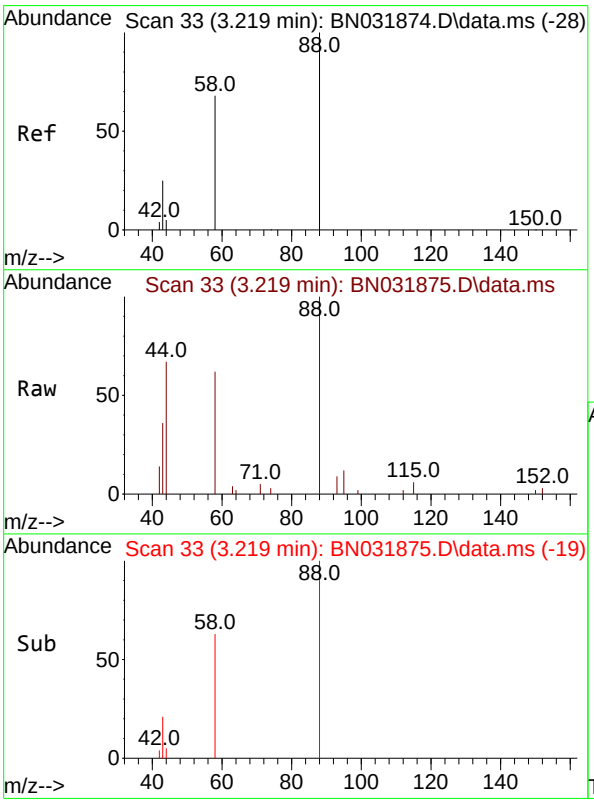
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.675 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 9031

Ion	Ratio	Lower	Upper
152	100		
150	150.0	121.0	181.4
115	61.9	49.4	74.0

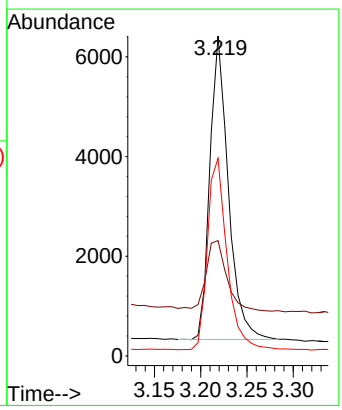


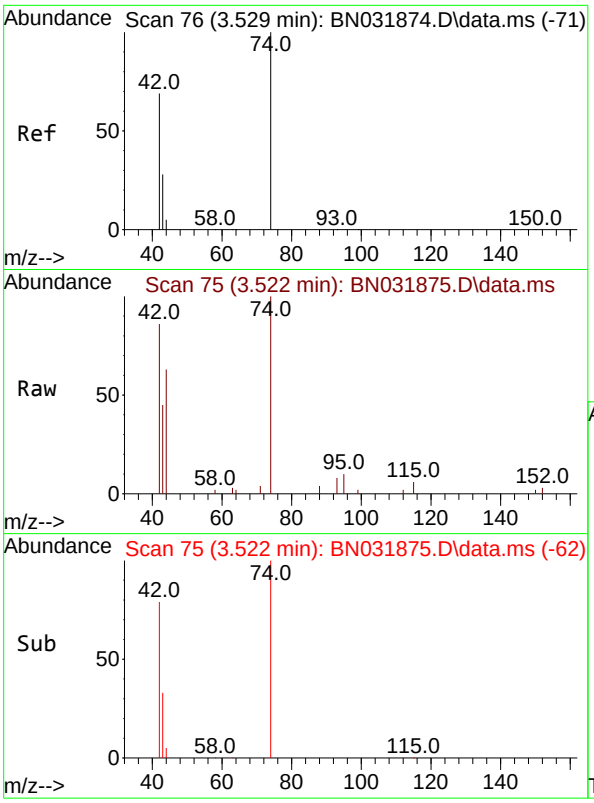


#2
1,4-Dioxane
Concen: 0.763 ng
RT: 3.219 min Scan# 33
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion: 88 Resp: 8438

Ion	Ratio	Lower	Upper
88	100		
43	26.7	22.7	34.1
58	66.8	51.3	76.9



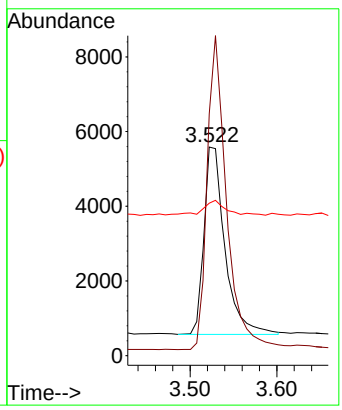


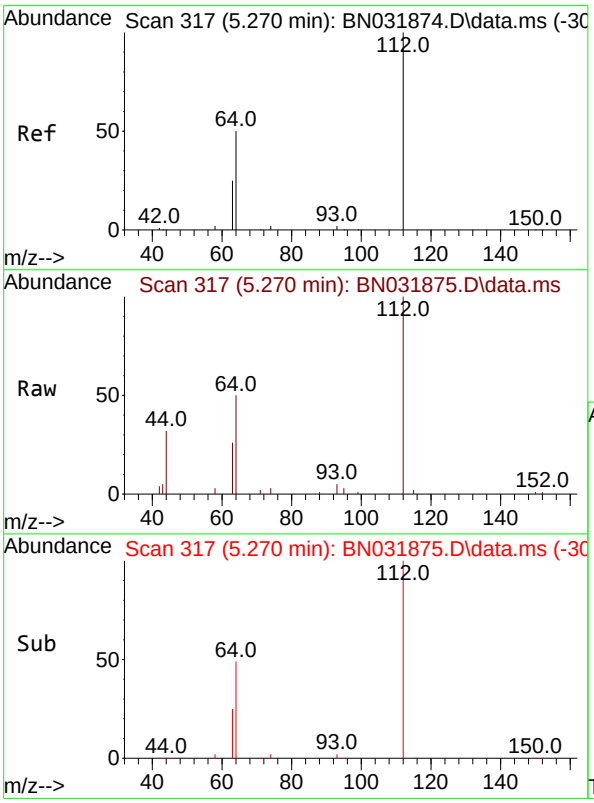
#3
n-Nitrosodimethylamine
Concen: 0.801 ng
RT: 3.522 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 8422

Ion	Ratio	Lower	Upper
42	100		
74	155.3	125.2	187.8
44	8.6	6.9	10.3

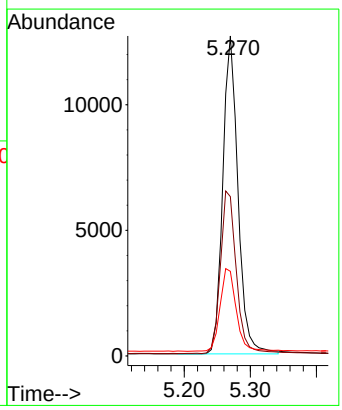


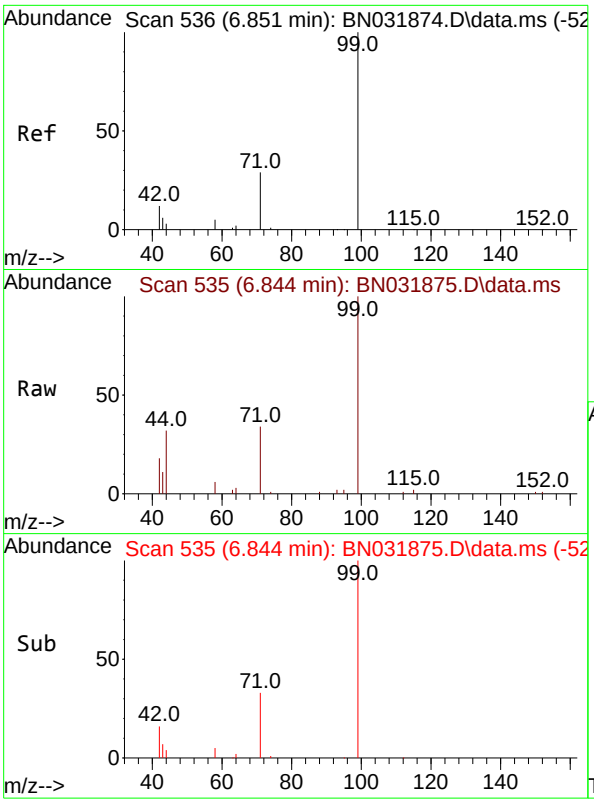


#4
2-Fluorophenol
Concen: 0.789 ng
RT: 5.270 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:112 Resp: 20261

Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.4	63.6
63	27.5	22.1	33.1



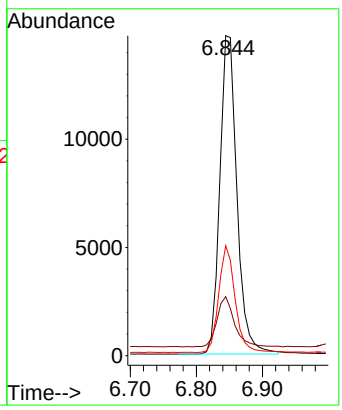


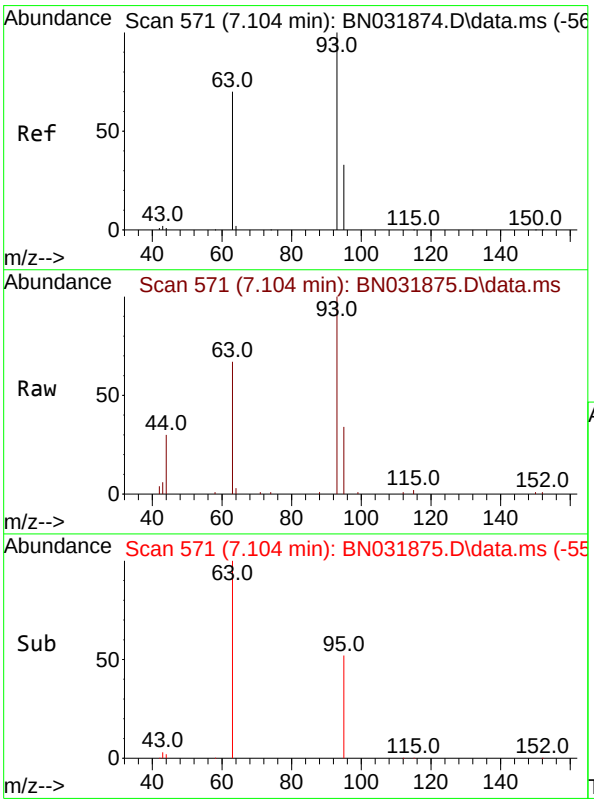
#5
Phenol-d6
Concen: 0.788 ng
RT: 6.844 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 26536

Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.8	19.2
71	32.1	25.4	38.2

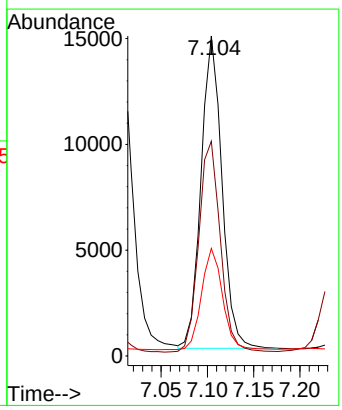


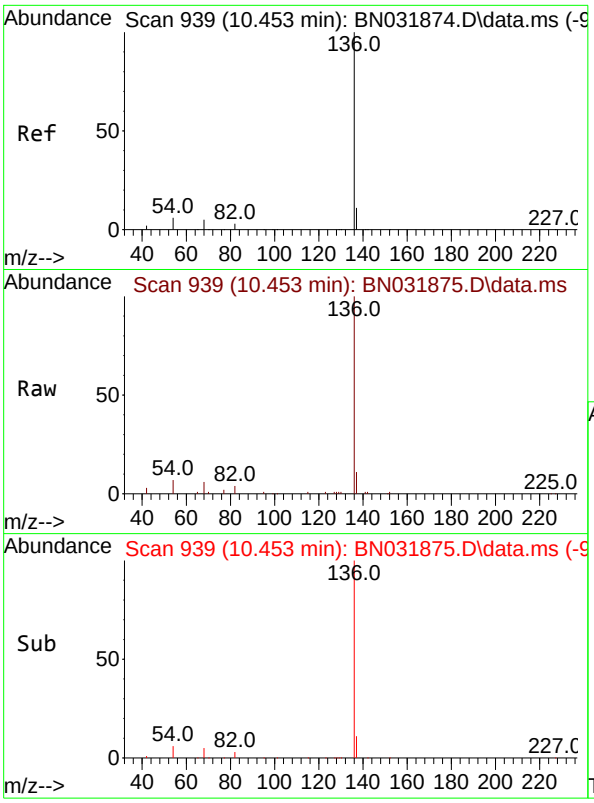


#6
bis(2-Chloroethyl)ether
Concen: 0.800 ng
RT: 7.104 min Scan# 571
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion: 93 Resp: 23190

Ion	Ratio	Lower	Upper
93	100		
63	69.6	56.2	84.2
95	32.7	26.4	39.6



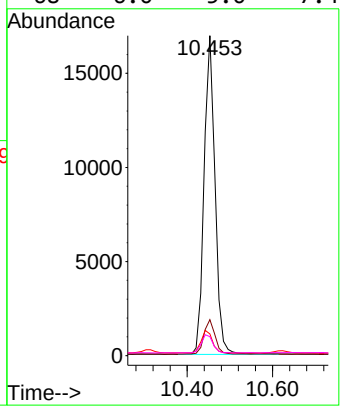


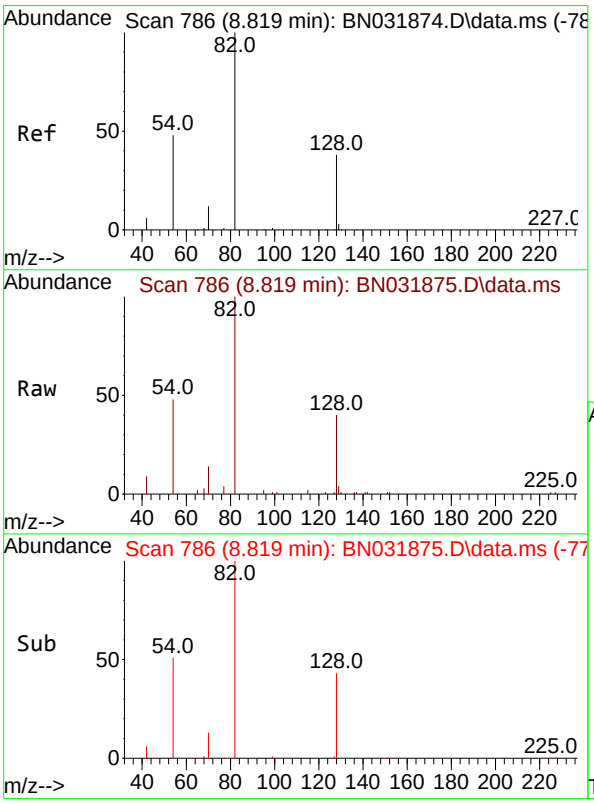
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.453 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 30111

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.8	5.6	8.4
68	6.0	5.0	7.4

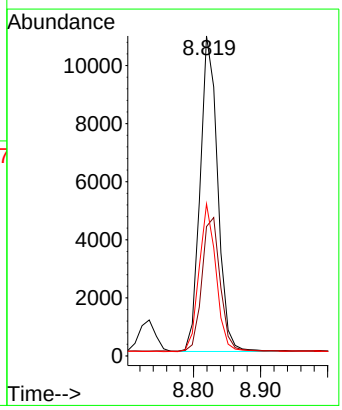


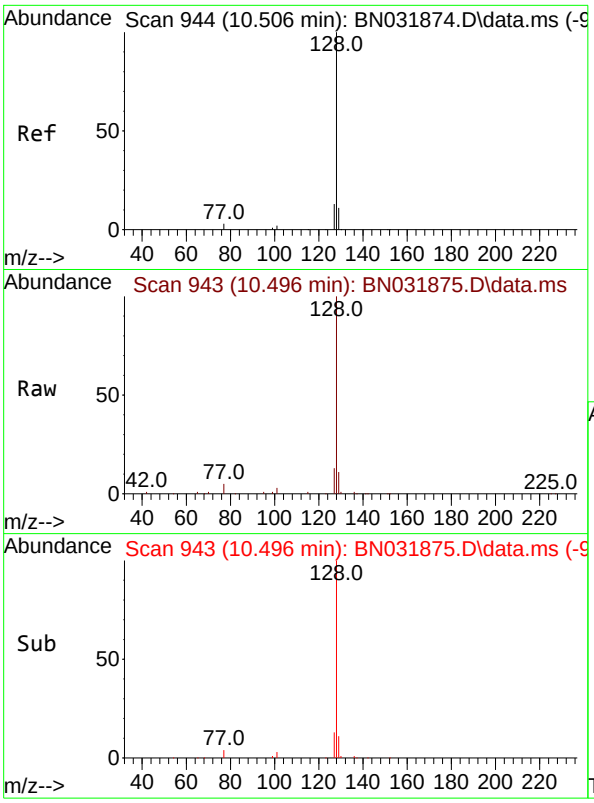


#8
Nitrobenzene-d5
Concen: 0.787 ng
RT: 8.819 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion: 82 Resp: 19685

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.1	48.1
54	47.5	39.7	59.5



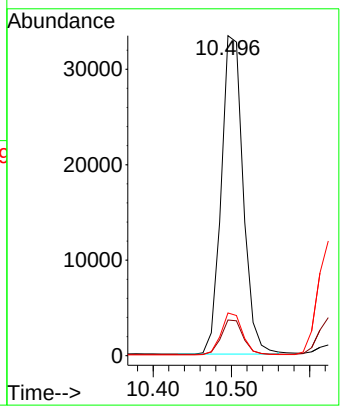


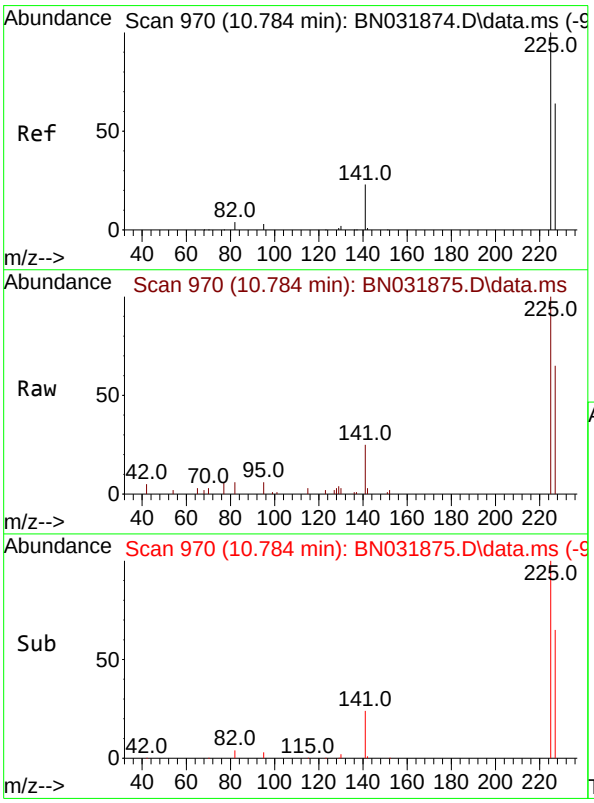
#9
Naphthalene
Concen: 0.797 ng
RT: 10.496 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 64629

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.4	10.5	15.7

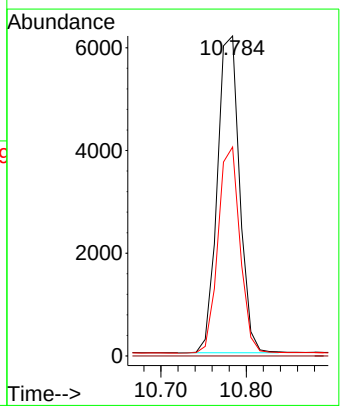


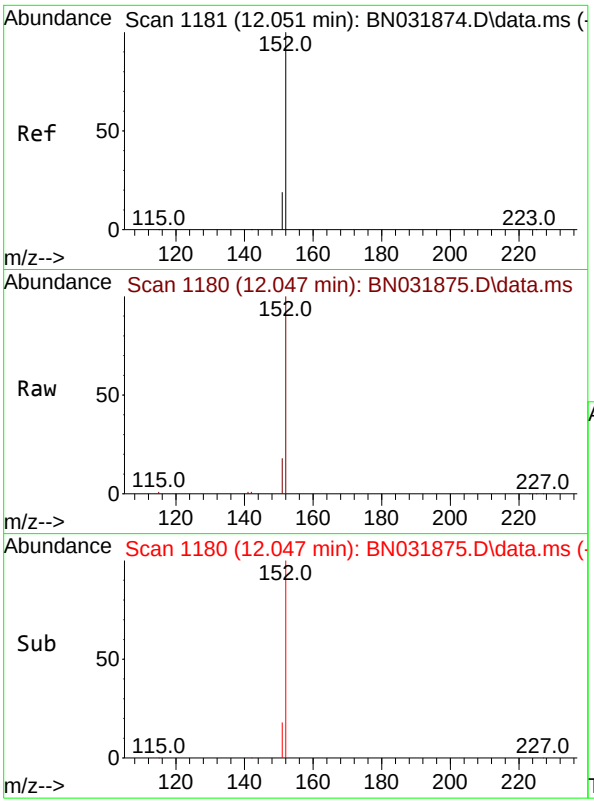


#10
Hexachlorobutadiene
Concen: 0.790 ng
RT: 10.784 min Scan# 970
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:225 Resp: 11199

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.6	75.8



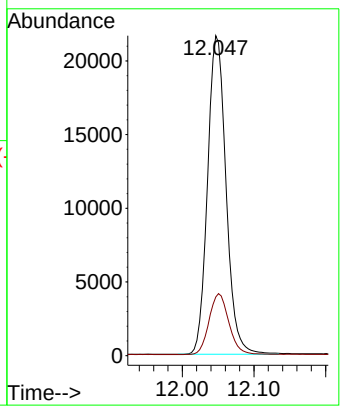


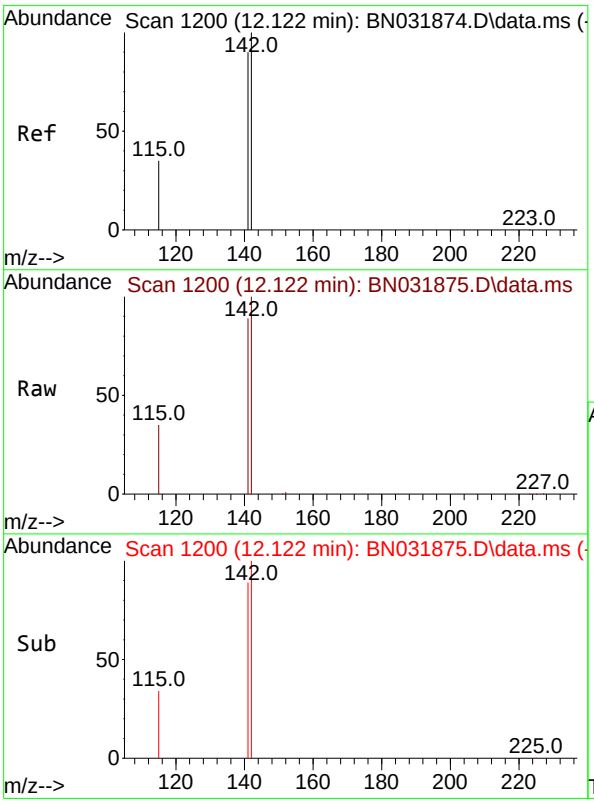
#11
2-Methylnaphthalene-d10
Concen: 0.809 ng
RT: 12.047 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 38808

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

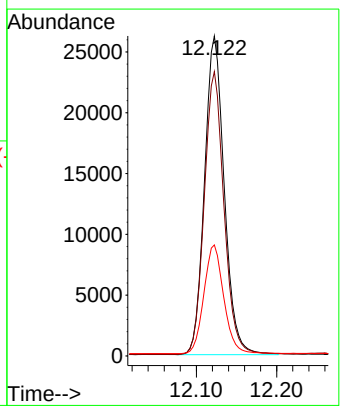


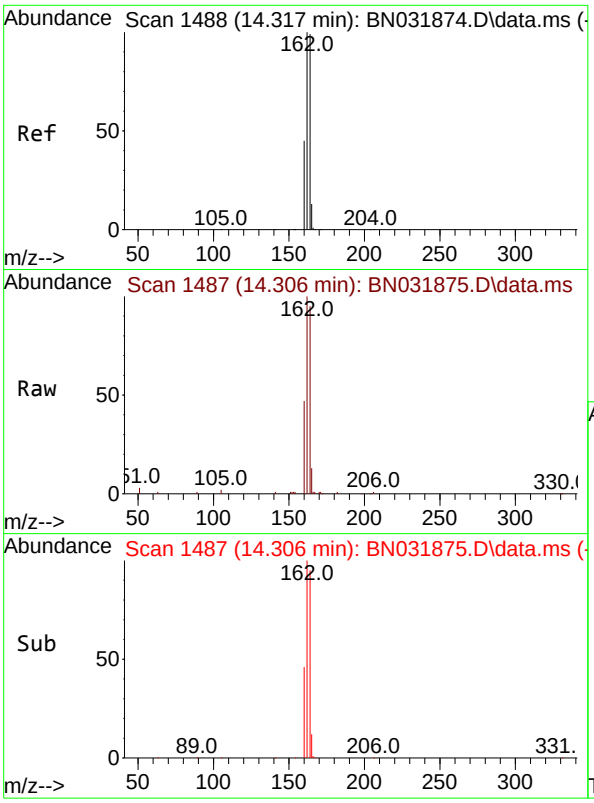


#12
2-Methylnaphthalene
Concen: 0.807 ng
RT: 12.122 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:142 Resp: 44720

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.2	108.2
115	34.7	28.6	43.0



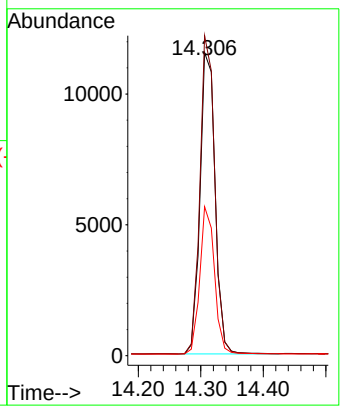


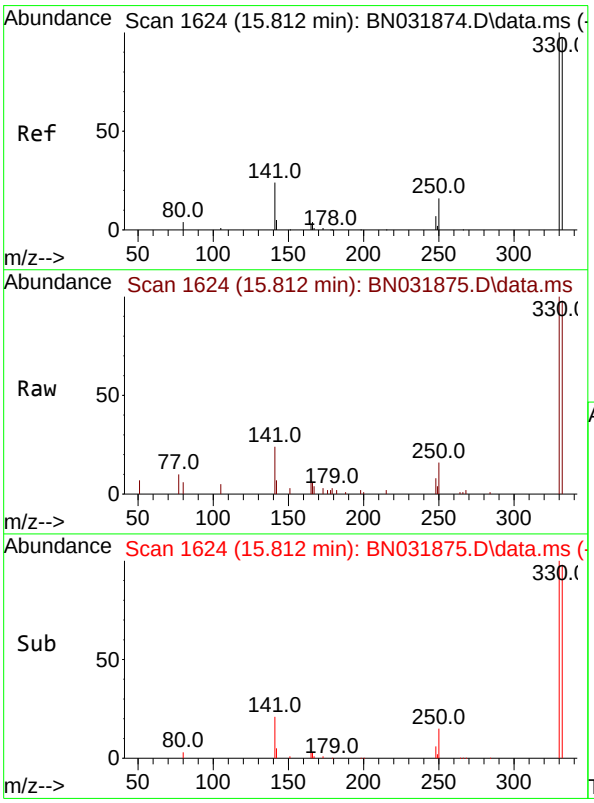
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.306 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 19359

Ion	Ratio	Lower	Upper
164	100		
162	105.6	80.7	121.1
160	49.1	36.2	54.4

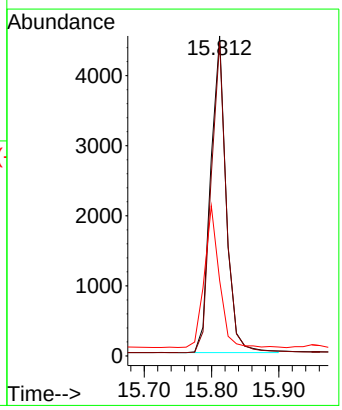


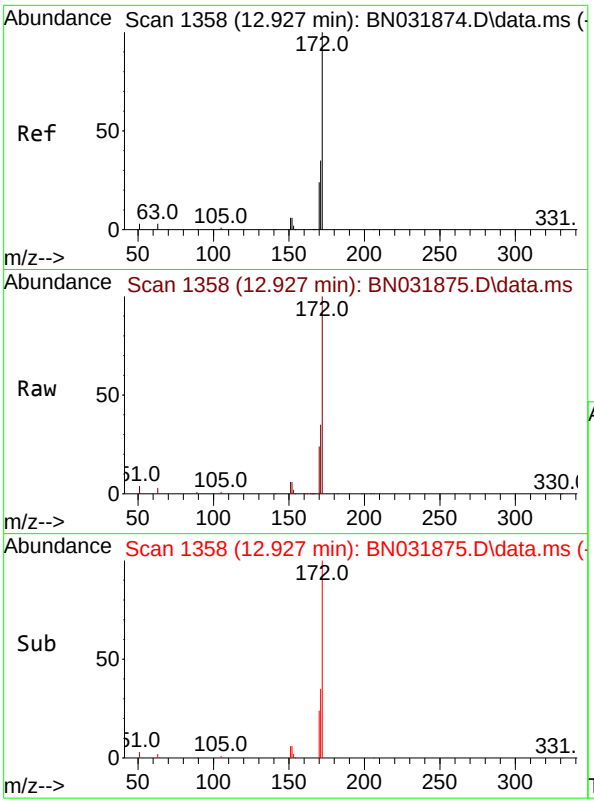


#14
2,4,6-Tribromophenol
Concen: 0.776 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:330 Resp: 7205

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.5	116.3
141	43.3	34.7	52.1



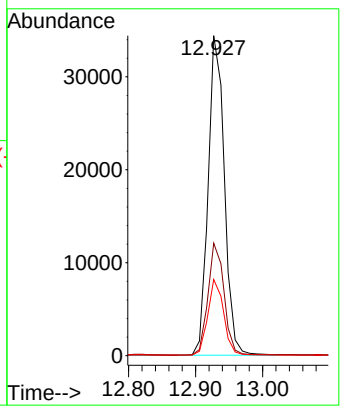


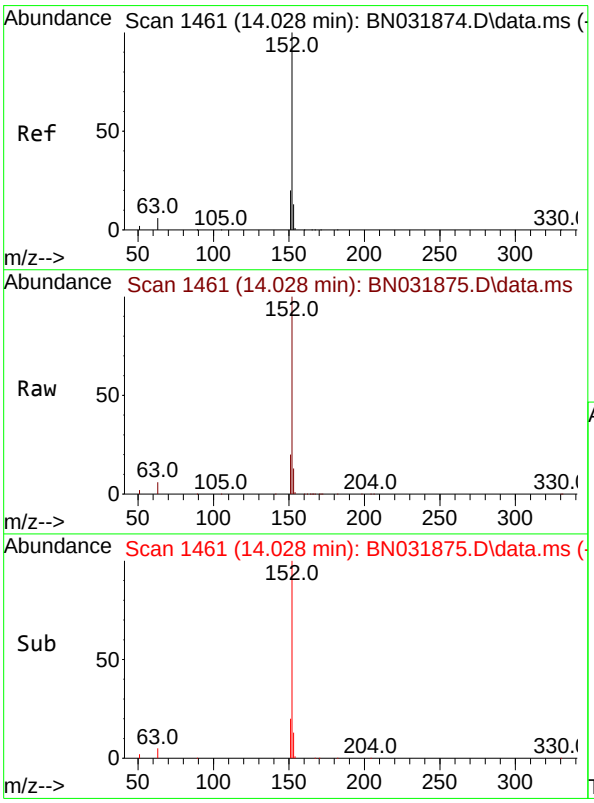
#15
2-Fluorobiphenyl
Concen: 0.786 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 57753

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.8	19.2	28.8

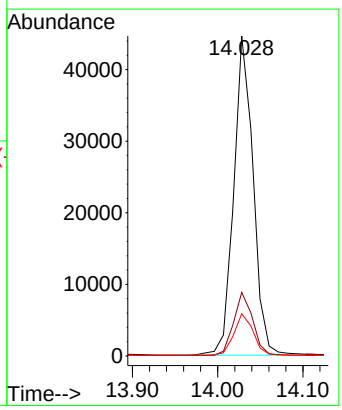


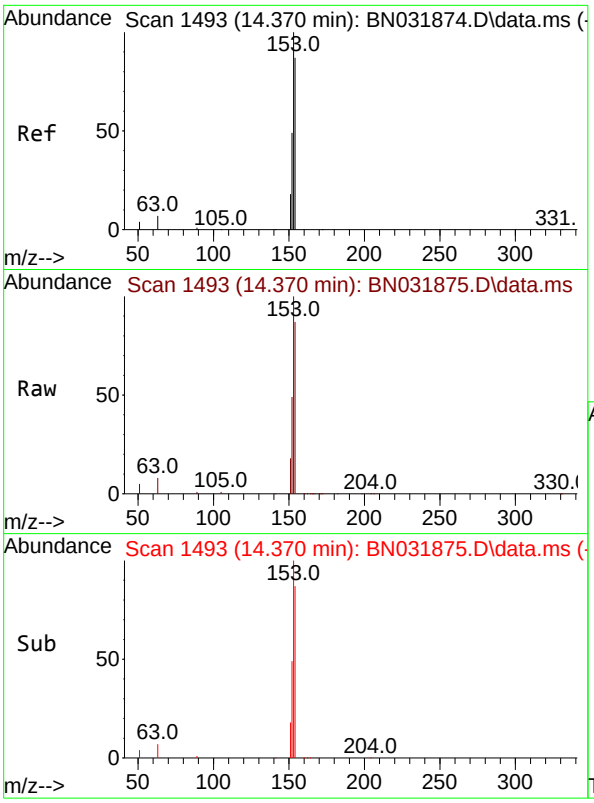


#16
Acenaphthylene
Concen: 0.787 ng
RT: 14.028 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:152 Resp: 70228

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.5	15.7



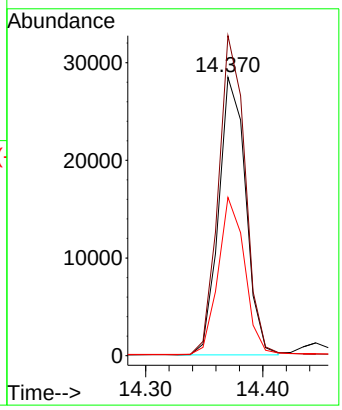


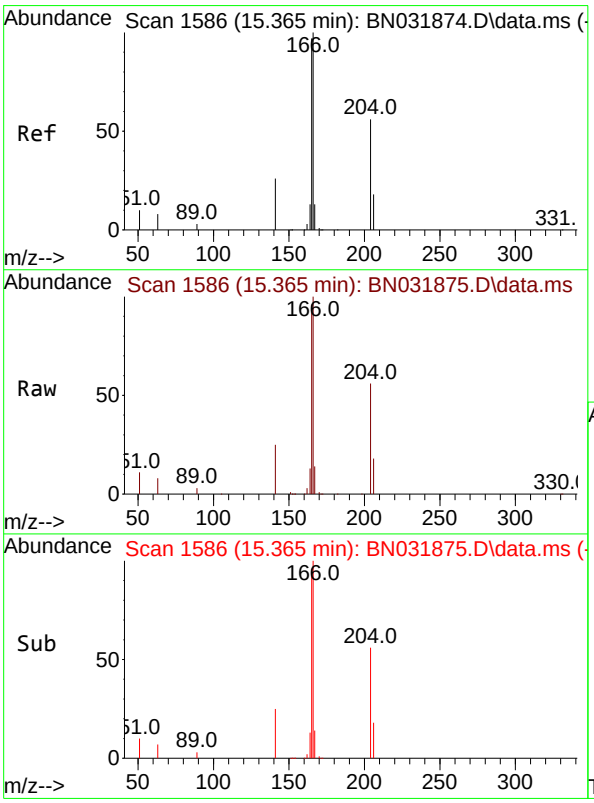
#17
Acenaphthene
Concen: 0.792 ng
RT: 14.370 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 45475

Ion	Ratio	Lower	Upper
154	100		
153	113.8	90.8	136.2
152	55.4	44.3	66.5

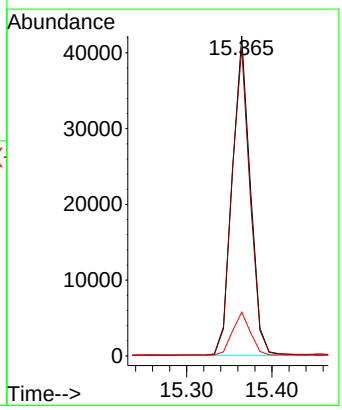


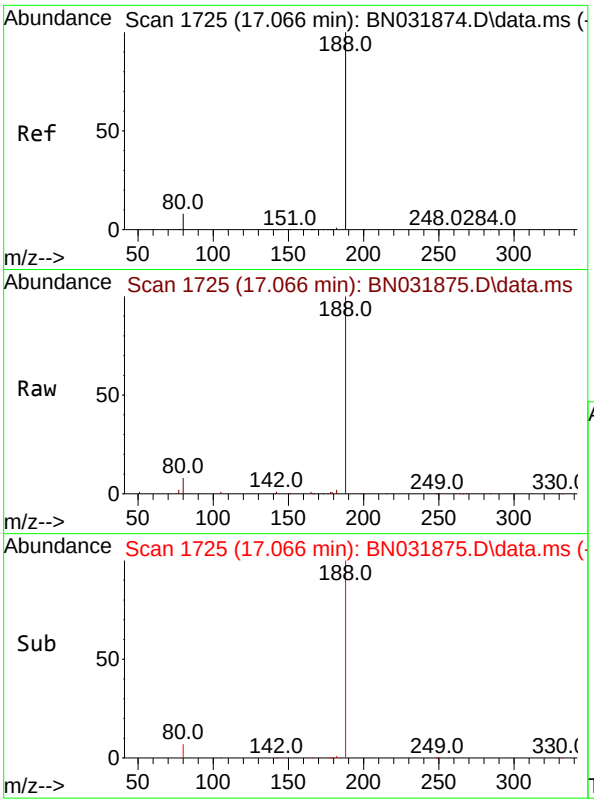


#18
Fluorene
Concen: 0.801 ng
RT: 15.365 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:166 Resp: 61447

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.3	117.5
167	13.5	10.7	16.1



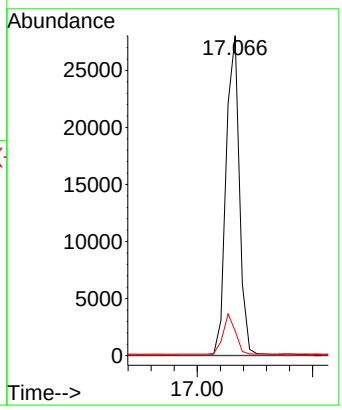


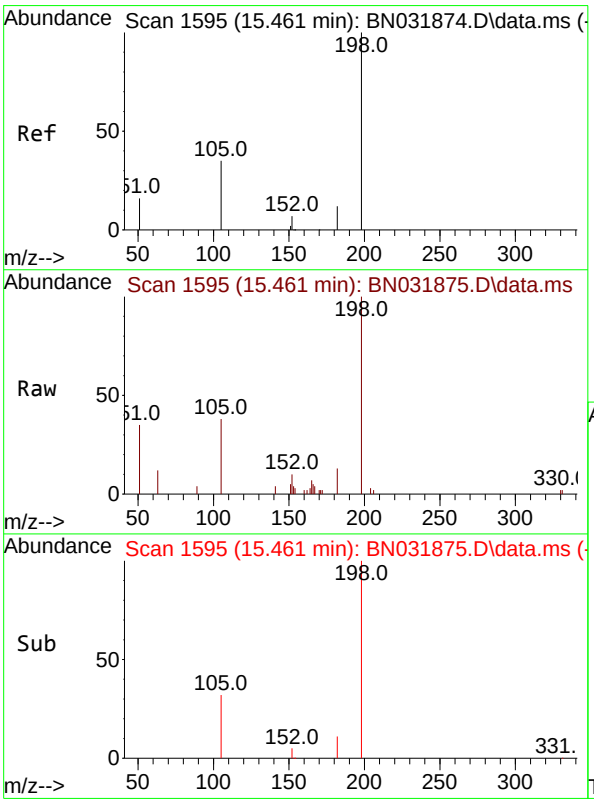
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 44784

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	6.4	9.6

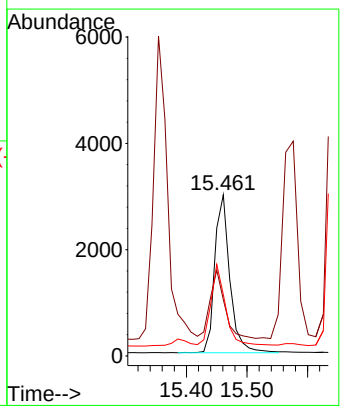


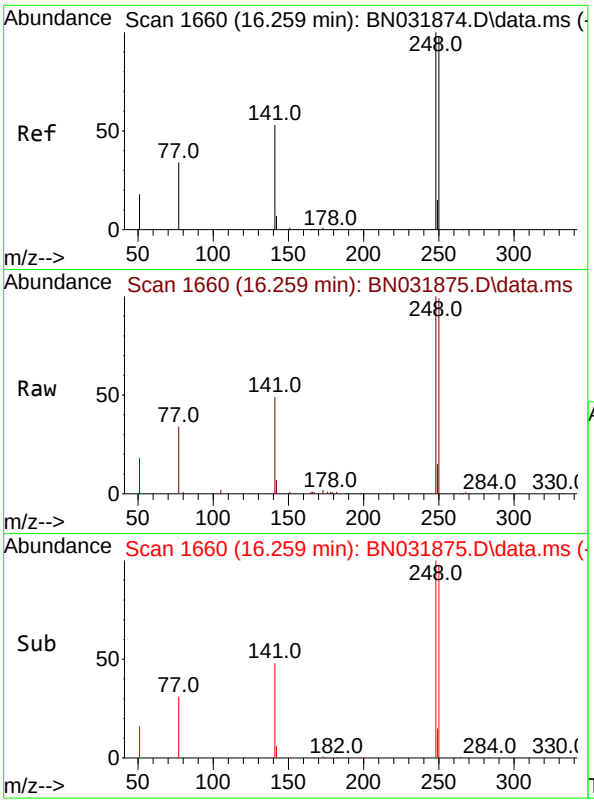


#20
4,6-Dinitro-2-methylphenol
Concen: 0.728 ng
RT: 15.461 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:198 Resp: 5304

Ion	Ratio	Lower	Upper
198	100		
51	34.9	42.7	64.1#
105	38.0	41.8	62.8#



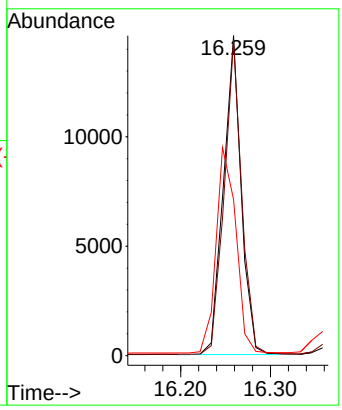


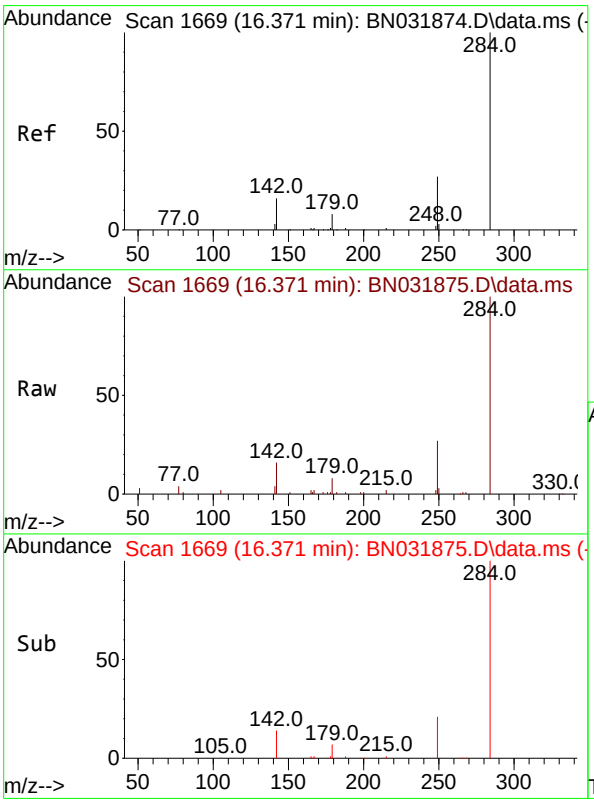
#21
4-Bromophenyl-phenylether
Concen: 0.790 ng
RT: 16.259 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 20069

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.5	117.7
141	48.8	43.1	64.7

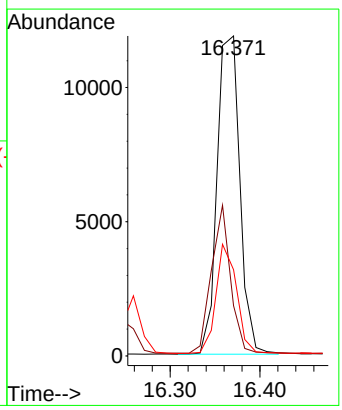


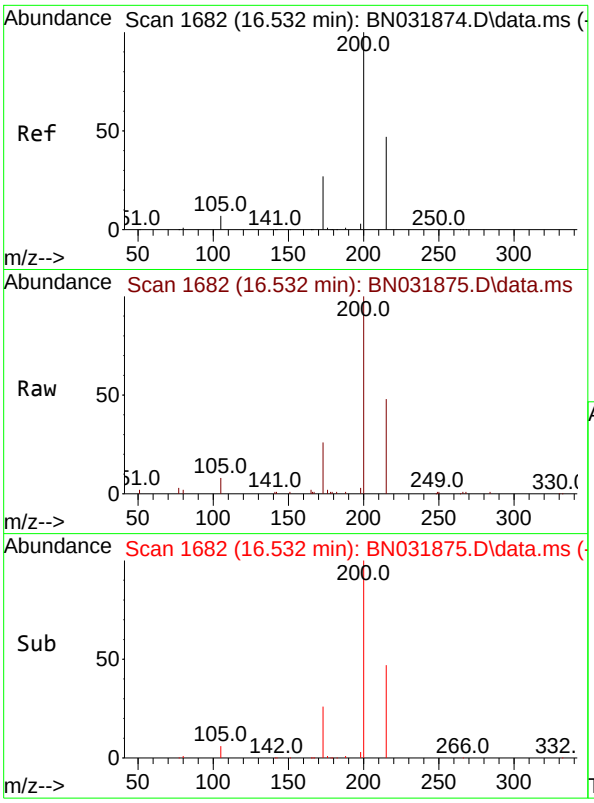


#22
Hexachlorobenzene
Concen: 0.794 ng
RT: 16.371 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:284 Resp: 20918

Ion	Ratio	Lower	Upper
284	100		
142	38.7	30.7	46.1
249	31.1	25.0	37.4



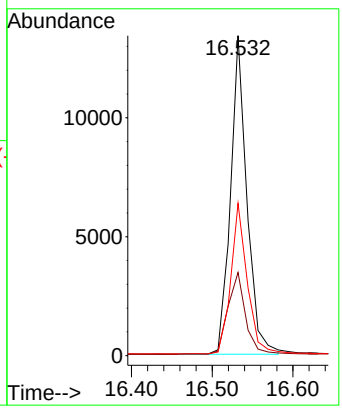


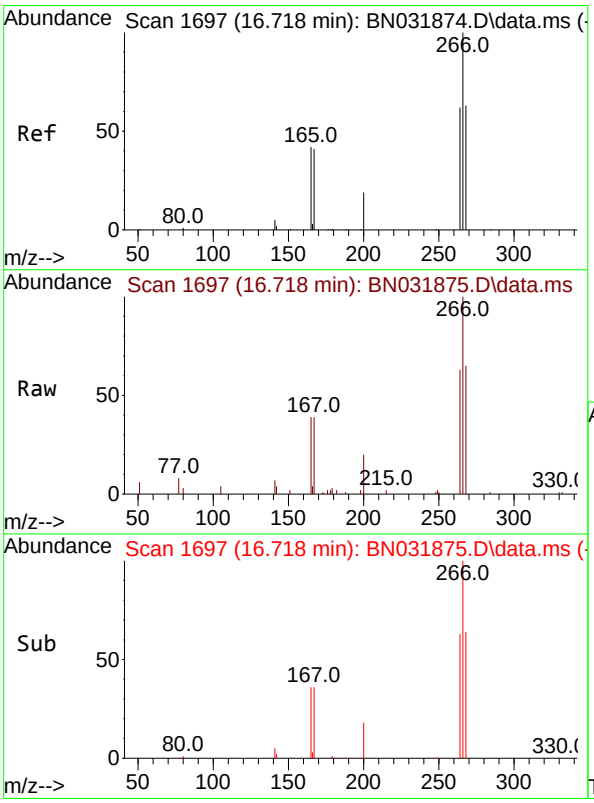
#23
Atrazine
Concen: 0.811 ng
RT: 16.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 18866

Ion	Ratio	Lower	Upper
200	100		
173	26.0	22.0	33.0
215	47.6	37.9	56.9

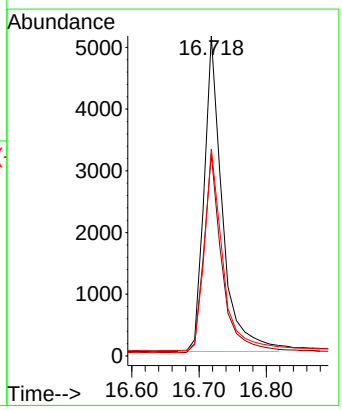


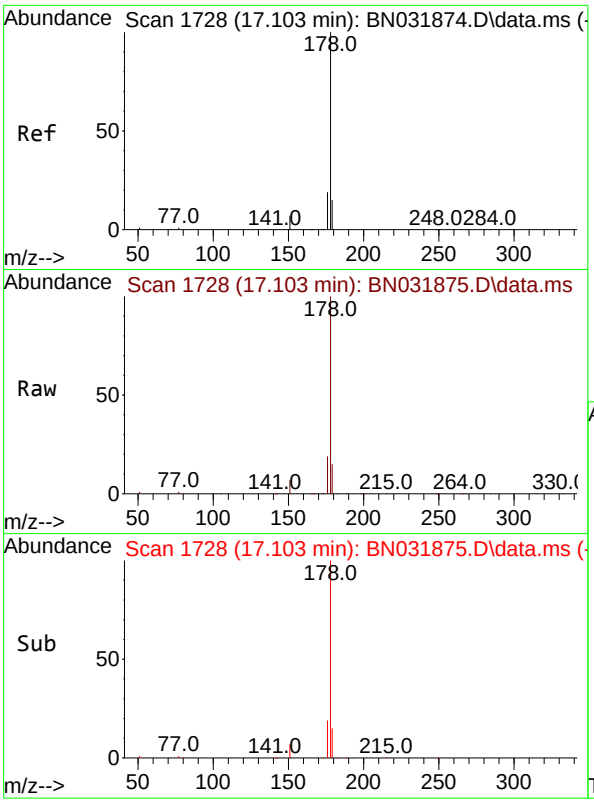


#24
Pentachlorophenol
Concen: 0.749 ng
RT: 16.718 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:266 Resp: 9682

Ion	Ratio	Lower	Upper
266	100		
264	62.4	50.0	75.0
268	64.0	51.0	76.6



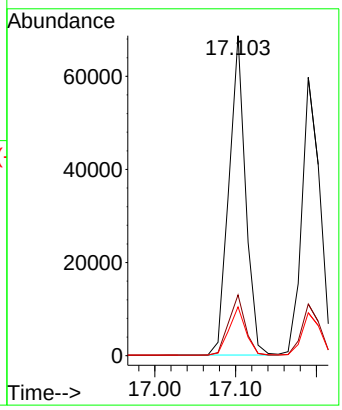


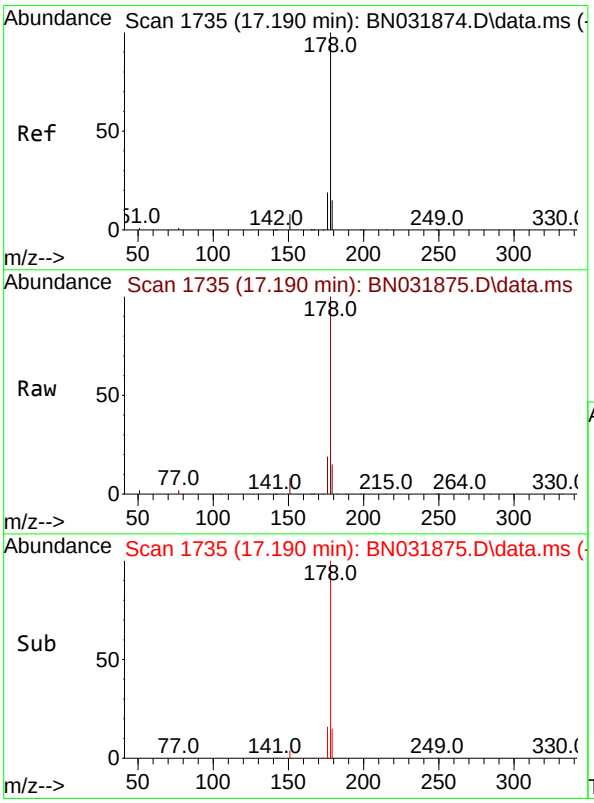
#25
Phenanthrene
Concen: 0.790 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 98179

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.2	12.2	18.2

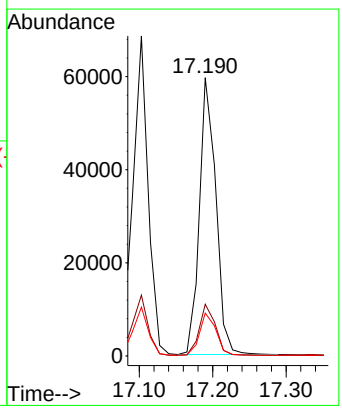


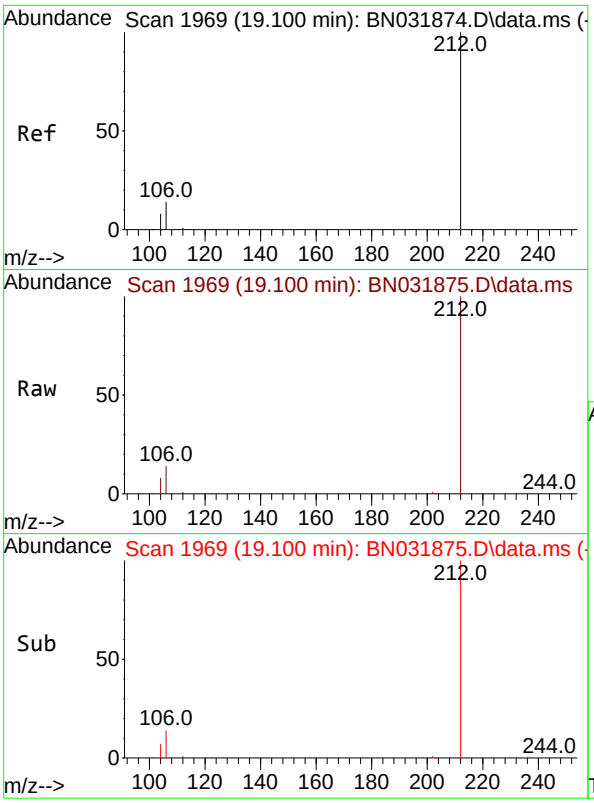


#26
Anthracene
Concen: 0.802 ng
RT: 17.190 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:178 Resp: 92535

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.2	18.2





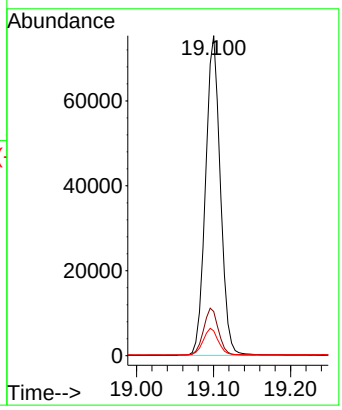
#27
Fluoranthene-d10
Concen: 0.825 ng
RT: 19.100 min Scan# 1

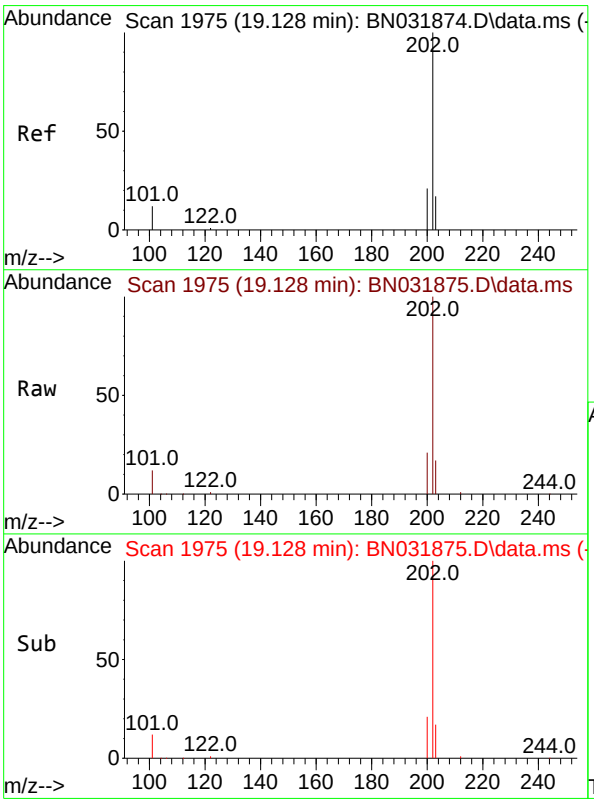
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:212 Resp: 100558

Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.8	17.8
104	8.5	6.6	10.0

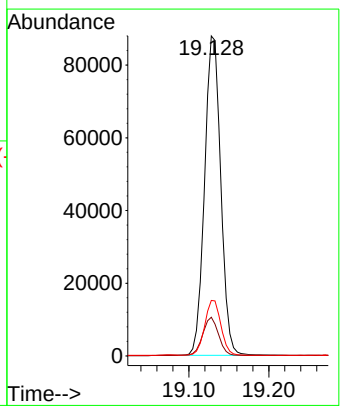


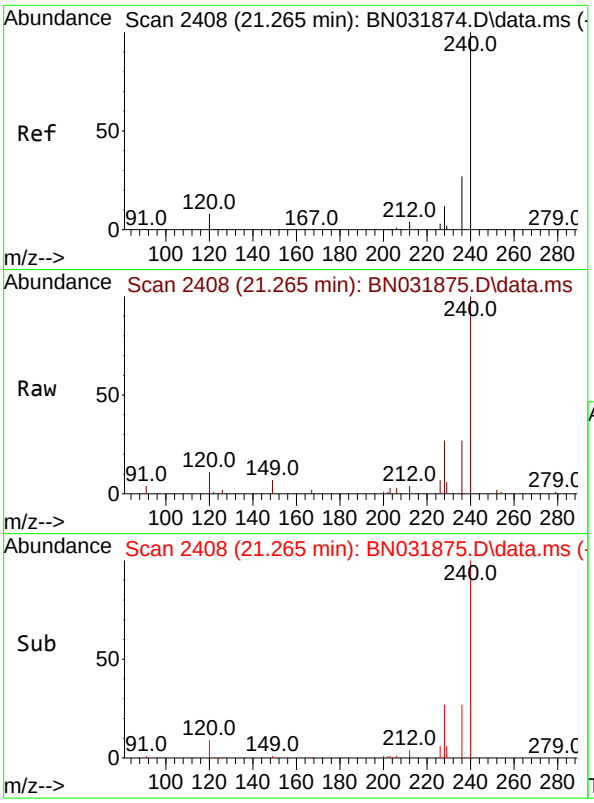


#28
Fluoranthene
Concen: 0.820 ng
RT: 19.128 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:202 Resp: 123534

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.6
203	17.2	13.7	20.5



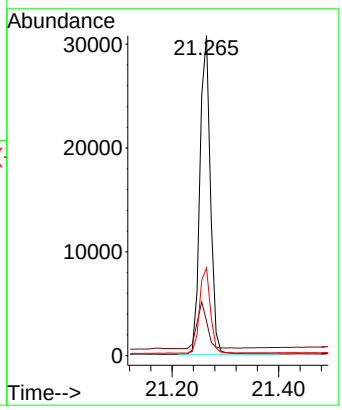


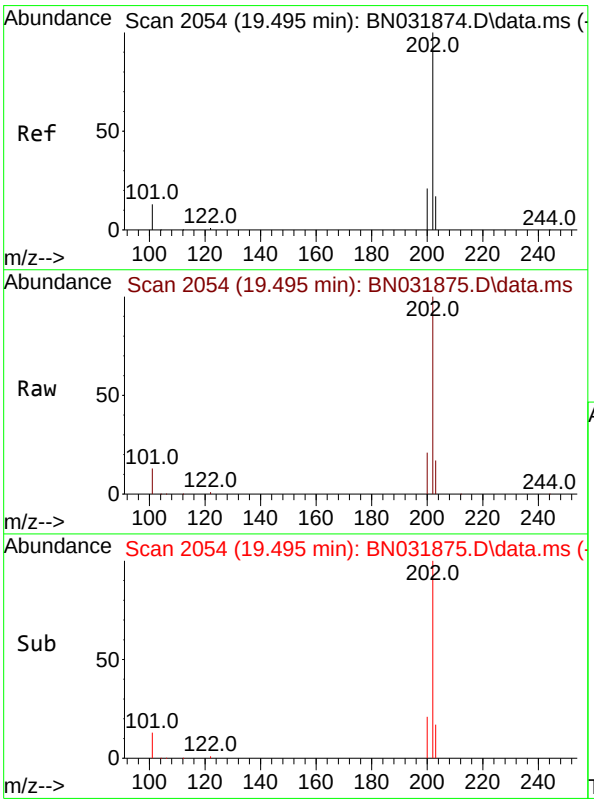
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.265 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 41911

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.2	12.4
236	27.5	21.8	32.8

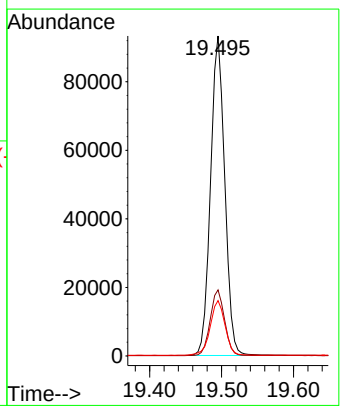


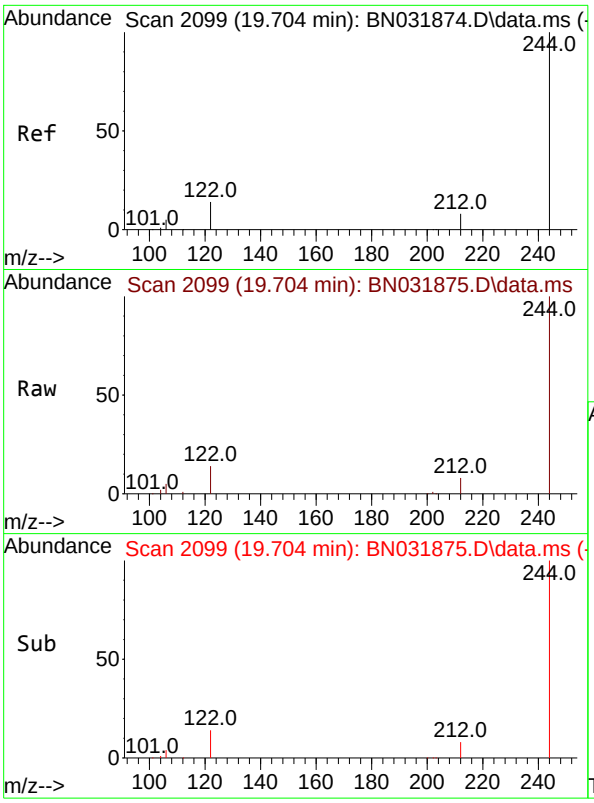


#30
Pyrene
Concen: 0.766 ng
RT: 19.495 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:202 Resp: 127560

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.9	14.3	21.5



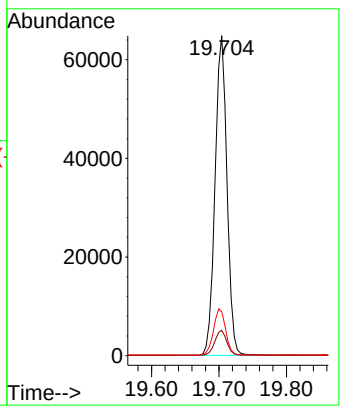


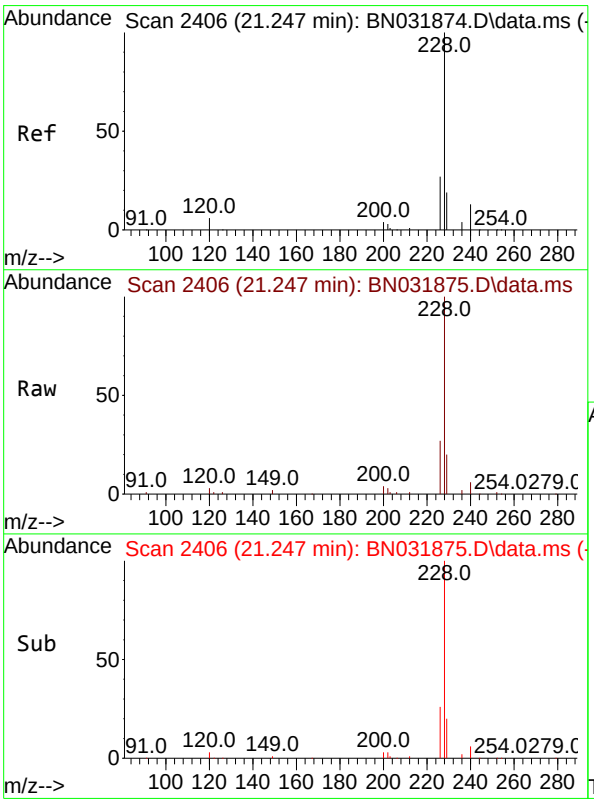
#31
Terphenyl-d14
Concen: 0.778 ng
RT: 19.704 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 79688

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	13.8	11.4	17.0

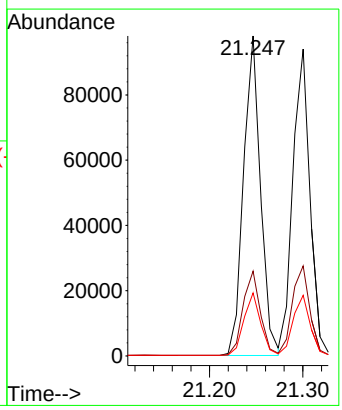


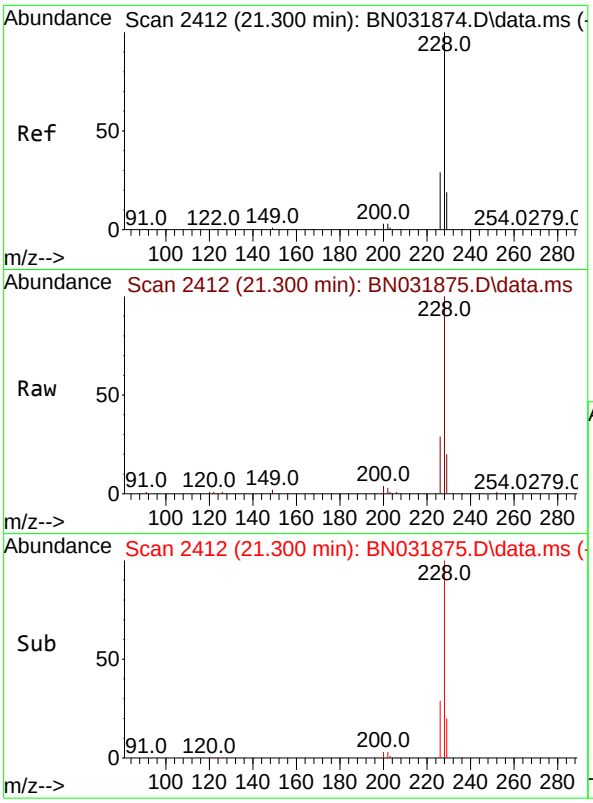


#32
Benzo(a)anthracene
Concen: 0.787 ng
RT: 21.247 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:228 Resp: 124192

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.6
229	19.7	15.8	23.8



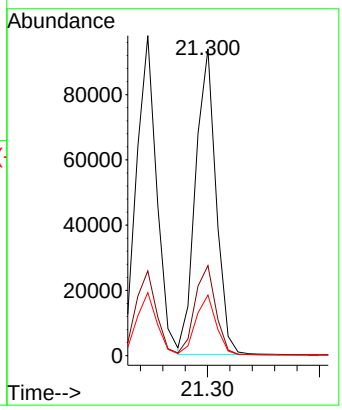


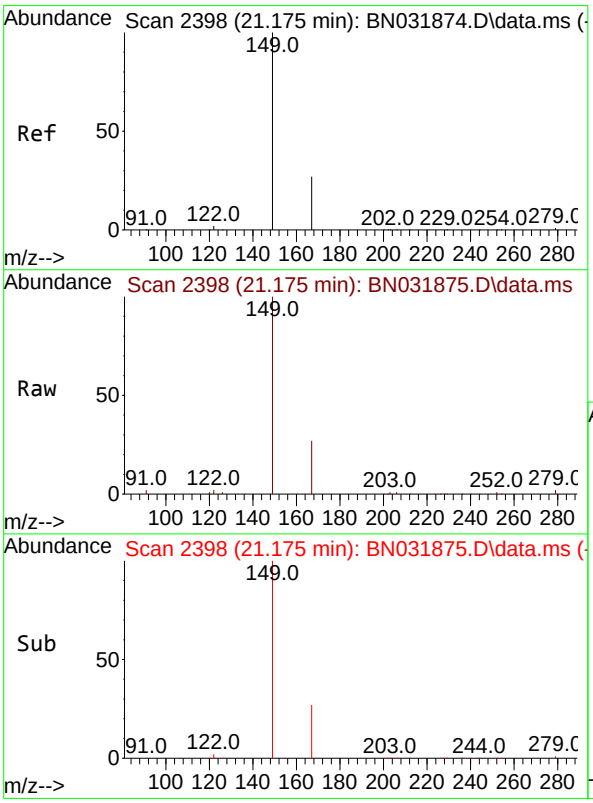
#33
Chrysene
Concen: 0.798 ng
RT: 21.300 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 119076

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

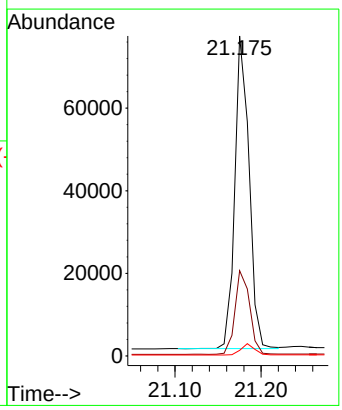


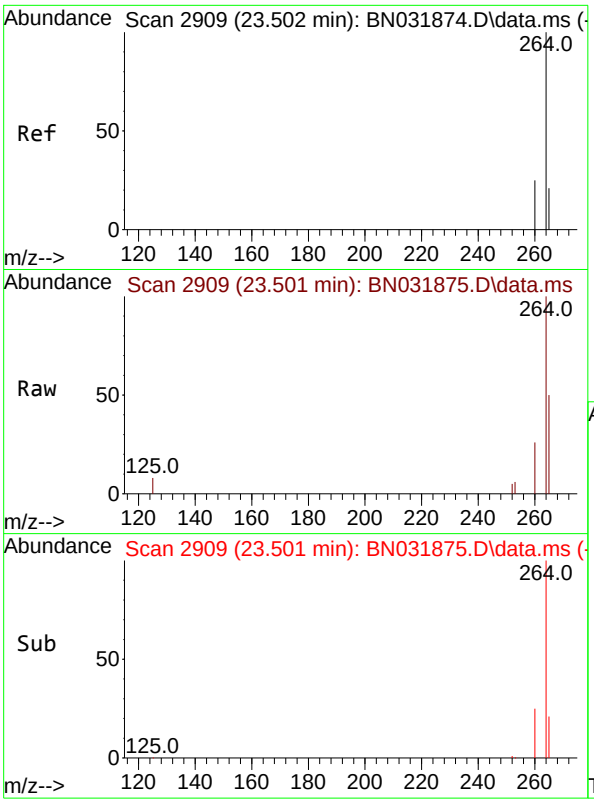


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.811 ng
RT: 21.175 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:149 Resp: 87351

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.5	33.7
279	3.5	2.9	4.3



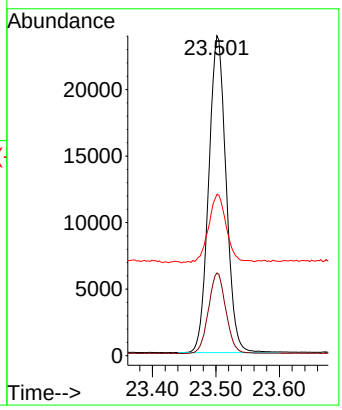


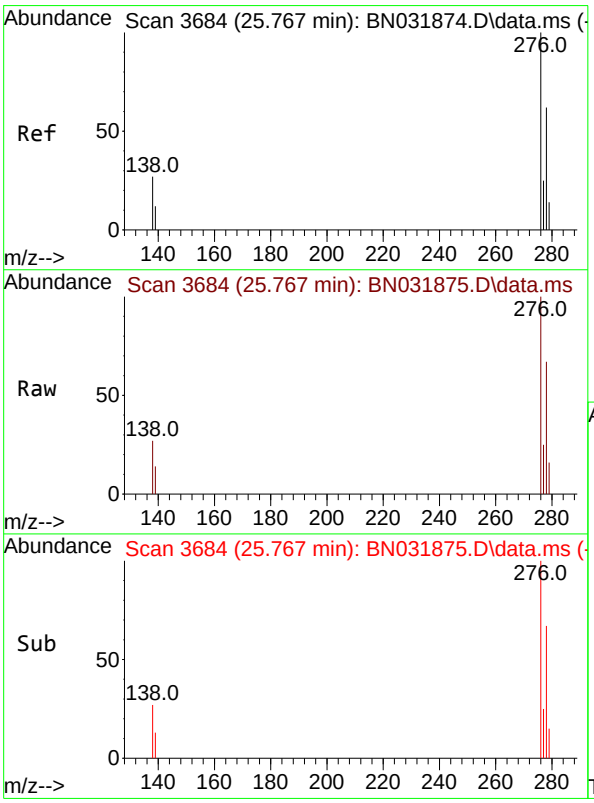
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 45450

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	50.4	39.6	59.4

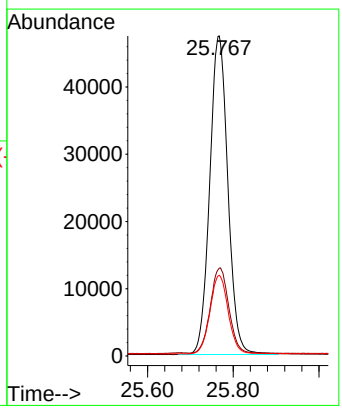


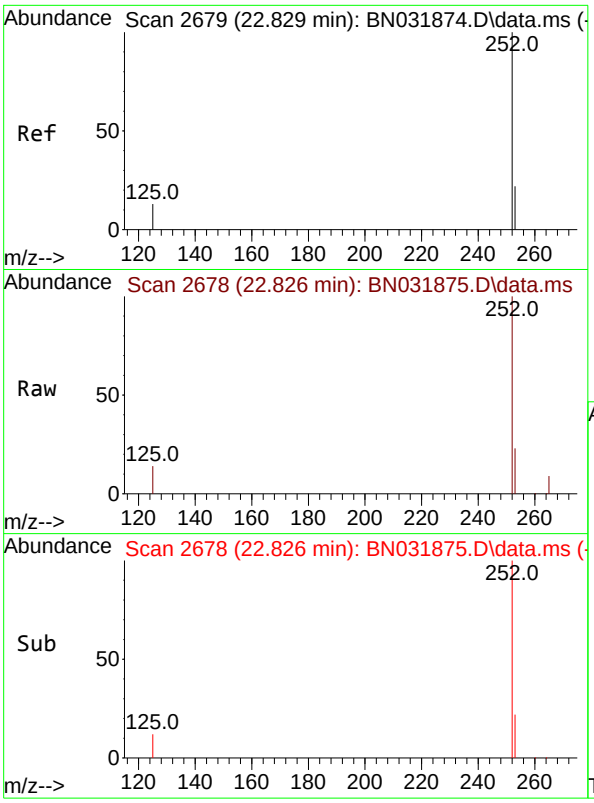


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.821 ng
RT: 25.767 min Scan# 3684
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:276 Resp: 139273

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.5	32.3
277	24.8	19.8	29.8



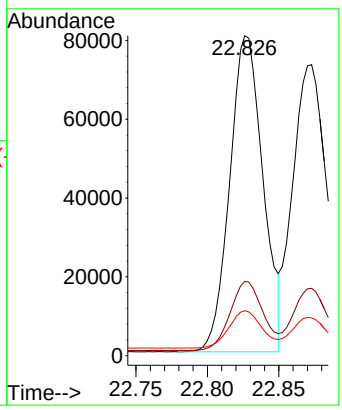


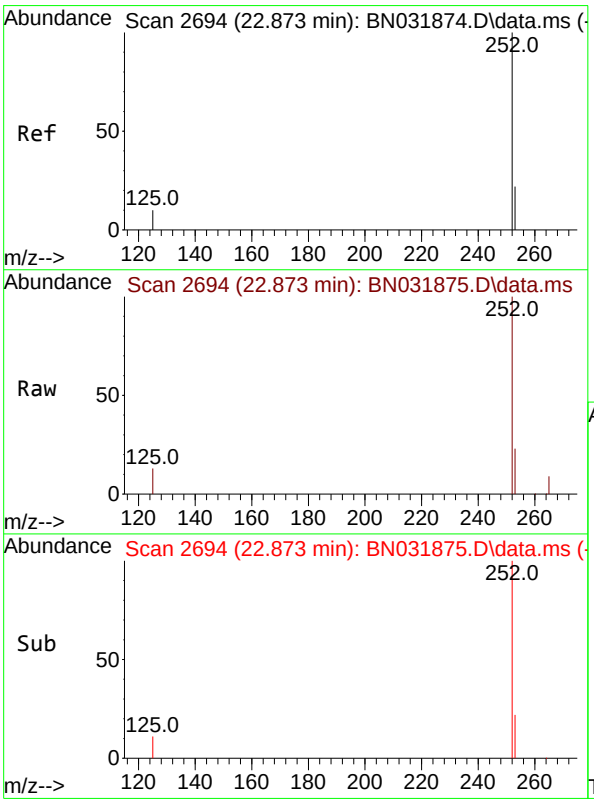
#37
Benzo(b)fluoranthene
Concen: 0.785 ng
RT: 22.826 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 130013

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.2	30.2
125	14.0	14.2	21.4#

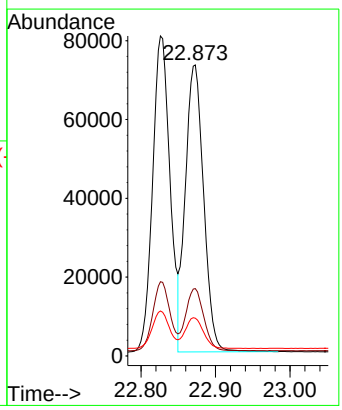


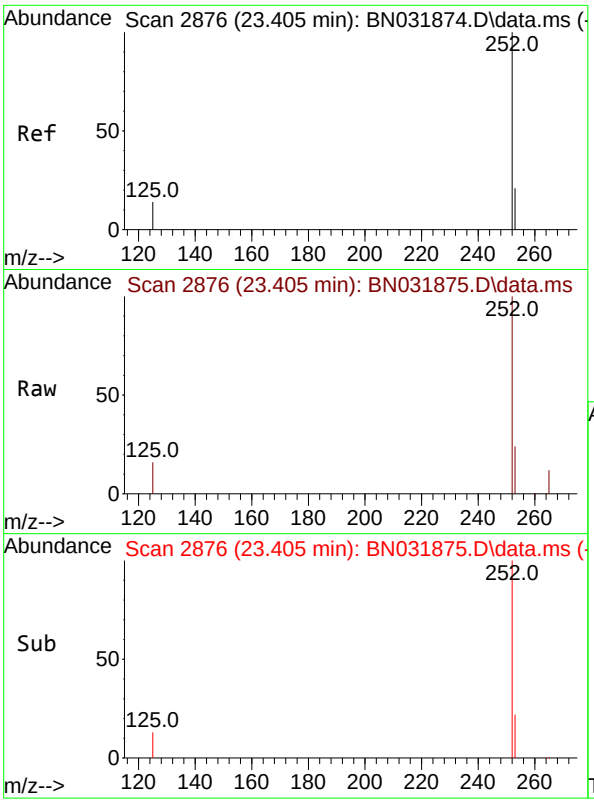


#38
Benzo(k)fluoranthene
Concen: 0.790 ng
RT: 22.873 min Scan# 2694
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:252 Resp: 123793

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.9	29.9
125	13.0	13.0	19.4



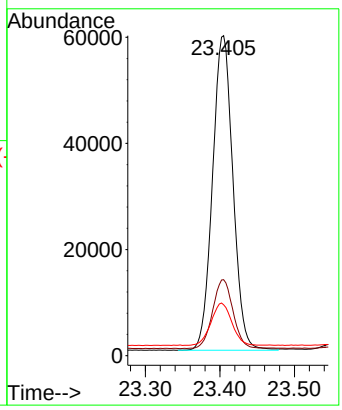


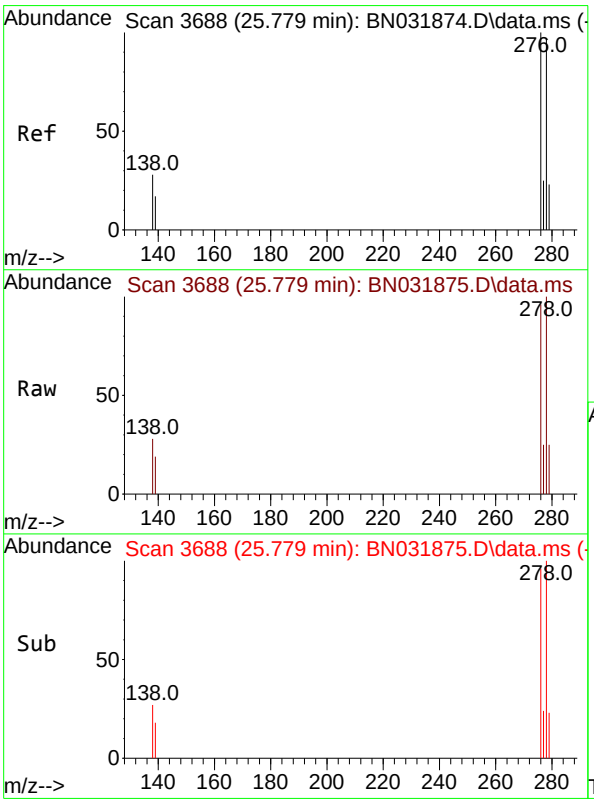
#39
Benzo(a)pyrene
Concen: 0.790 ng
RT: 23.405 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 112951

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.5	30.7
125	15.9	16.4	24.6#

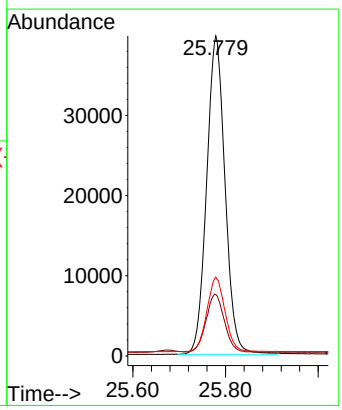


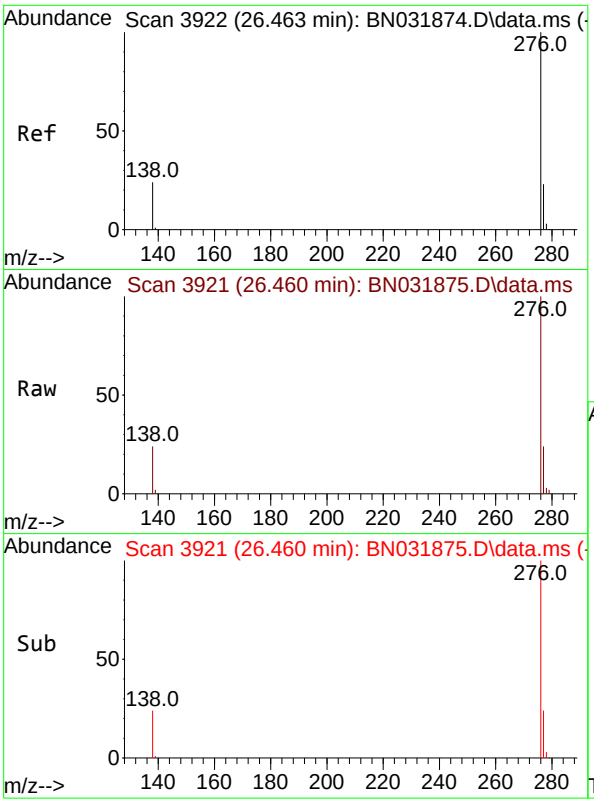


#40
Dibenzo(a,h)anthracene
Concen: 0.820 ng
RT: 25.779 min Scan# 3688
Delta R.T. -0.000 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Tgt Ion:278 Resp: 109533

Ion	Ratio	Lower	Upper
278	100		
139	19.2	17.0	25.4
279	24.7	21.4	32.0





#41
Benzo(g,h,i)perylene
Concen: 0.823 ng
RT: 26.460 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN031875.D
Acq: 10 Jun 2024 13:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 118107

Ion	Ratio	Lower	Upper
276	100		
277	24.3	20.2	30.2
138	24.4	20.6	31.0