Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022458.D
Acq On : 02 Nov 2022 09:39
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 02 10:43:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 05:31:40 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.920	152	3900	0.400	ng		0.00
7) Naphthalene-d8	10.752	136	11043	0.400	ng		0.00
13) Acenaphthene-d10	14.593	164	5086	0.400	ng		0.00
19) Phenanthrene-d10	17.354	188	9372	0.400	ng	#	0.00
29) Chrysene-d12	21.555	240	7007	0.400	ng		0.00
35) Perylene-d12	24.002	264	7387	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.458	112	4007	0.386	ng		0.00
5) Phenol-d6	7.090	99	4652	0.357	ng		0.00
8) Nitrobenzene-d5	9.097	82	4044	0.423	ng		-0.01
11) 2-Methylnaphthalene-d10	12.345	152	6138	0.354	ng		0.00
14) 2,4,6-Tribromophenol	16.100	330	847	0.387	ng		0.00
15) 2-Fluorobiphenyl	13.214	172	8710	0.400	ng		0.00
27) Fluoranthene-d10	19.390	212	10202	0.394	ng		0.00
31) Terphenyl-d14	19.984	244	9628	0.527	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.277	88	2032	0.372	ng		98
3) n-Nitrosodimethylamine	3.623	42	2179	0.375	ng		94
6) bis(2-Chloroethyl)ether	7.343	93	4211	0.337	ng		99
9) Naphthalene	10.795	128	12980	0.393	ng		100
10) Hexachlorobutadiene	11.072	225	2316	0.414	ng	#	99
12) 2-Methylnaphthalene	12.062	142	2346	0.357	ng		98
16) Acenaphthylene	14.315	152	10050	0.408	ng		99
17) Acenaphthene	14.657	154	6517	0.388	ng		98
18) Fluorene	15.640	166	8340	0.356	ng		99
20) 4,6-Dinitro-2-methylph...	15.753	198	36	0.024	ng	#	1
21) 4-Bromophenyl-phenylether	16.535	248	2234	0.395	ng		92
22) Hexachlorobenzene	16.646	284	2613	0.403	ng		97
23) Atrazine	16.808	200	1790	0.379	ng		97
24) Pentachlorophenol	17.006	266	915	0.341	ng		99
25) Phenanthrene	17.391	178	12095	0.376	ng		100
26) Anthracene	17.478	178	10690	0.395	ng		99
28) Fluoranthene	19.419	202	13361	0.383	ng		100
30) Pyrene	19.782	202	14072	0.436	ng		99
32) Benzo(a)anthracene	21.537	228	10974	0.398	ng		97
33) Chrysene	21.591	228	10933	0.379	ng		98
34) Bis(2-ethylhexyl)phtha...	21.456	149	8229	0.423	ng		98
36) Indeno(1,2,3-cd)pyrene	26.566	276	12277	0.336	ng		97
37) Benzo(b)fluoranthene	23.248	252	11172	0.330	ng	#	91
38) Benzo(k)fluoranthene	23.297	252	11438	0.340	ng	#	90
39) Benzo(a)pyrene	23.888	252	10166	0.369	ng		93
40) Dibenzo(a,h)anthracene	26.587	278	9785	0.343	ng	#	89
41) Benzo(g,h,i)perylene	27.361	276	11741	0.390	ng		95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022458.D
Acq On : 02 Nov 2022 09:39
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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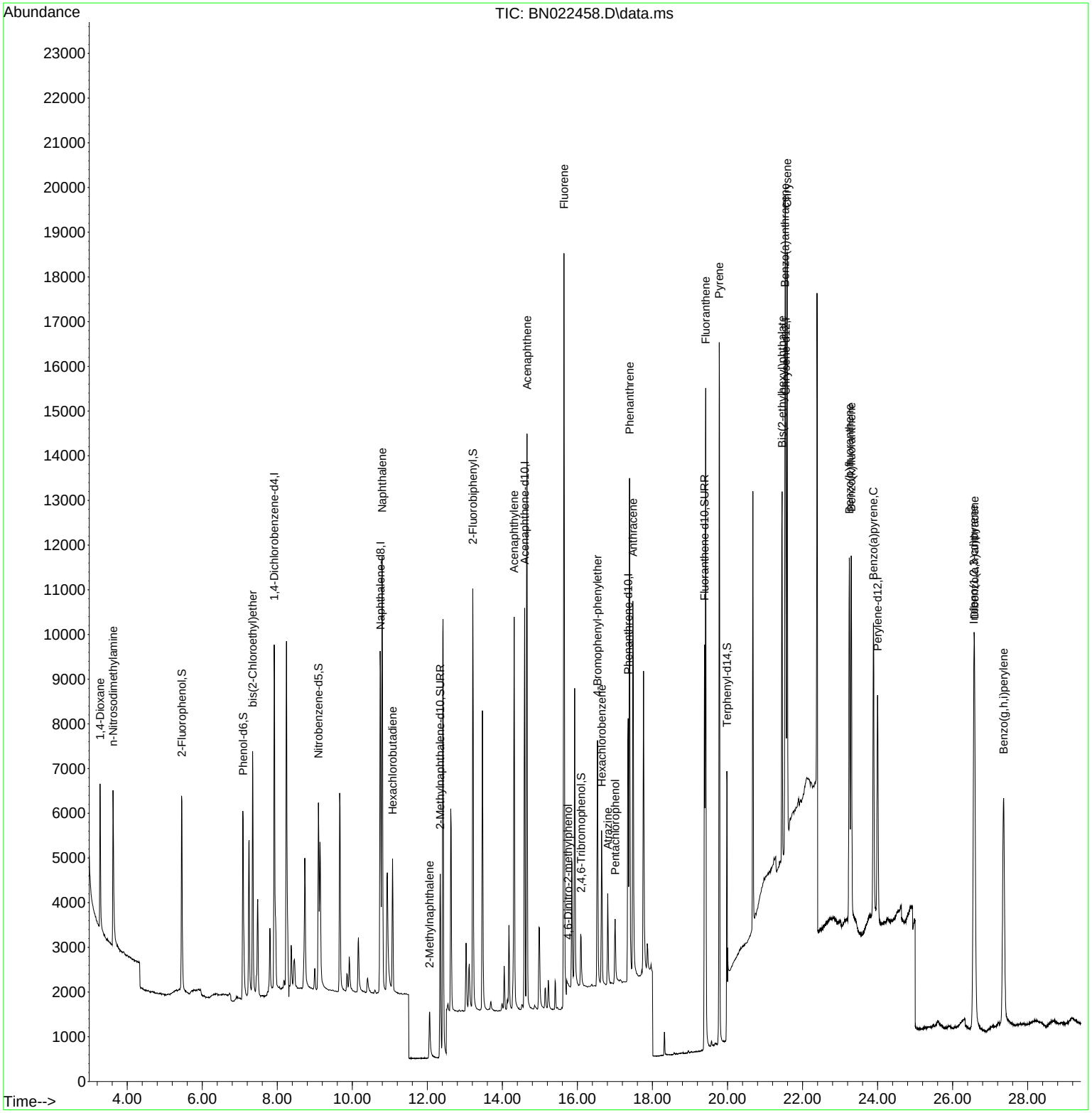
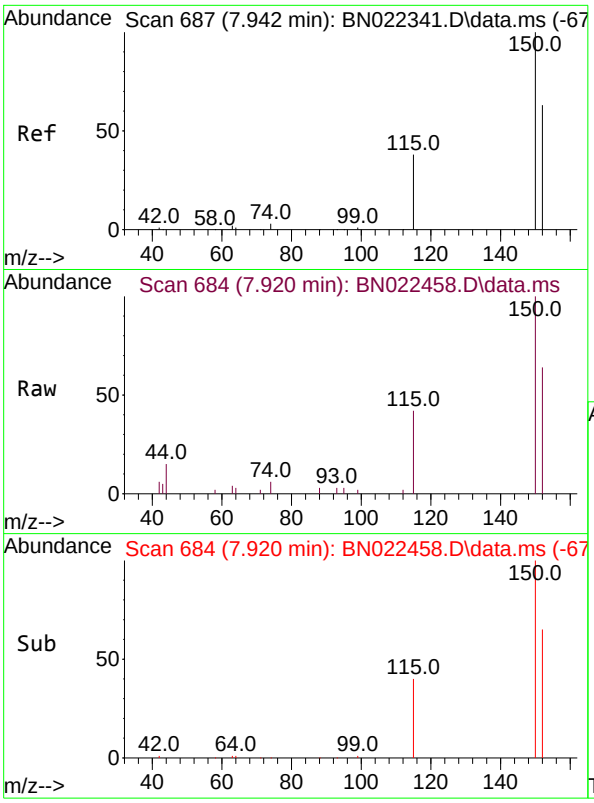
Quant Time: Nov 02 10:43:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 05:31:40 2022
Response via : Initial Calibration



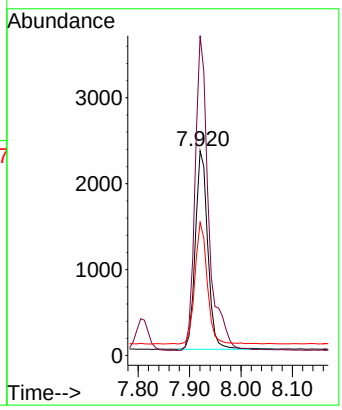


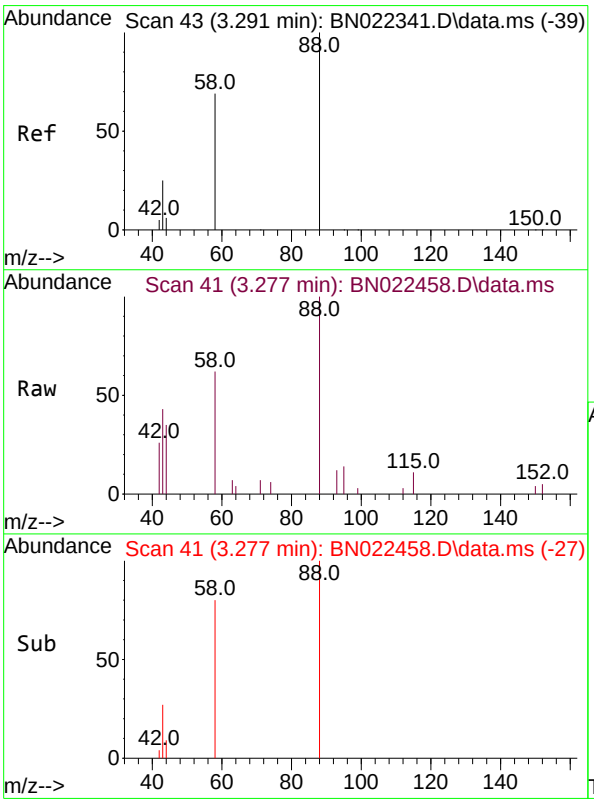
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.920 min Scan# 68
Delta R.T. -0.008 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3900

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.2	187.8
115	65.0	52.0	78.0

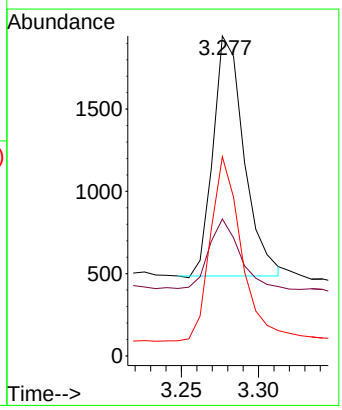


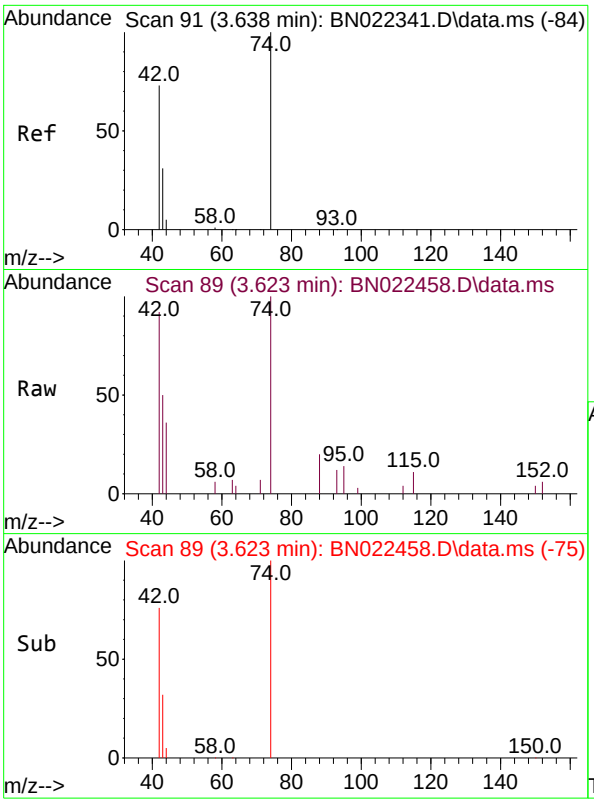


#2
1,4-Dioxane
Concen: 0.372 ng
RT: 3.277 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion: 88 Resp: 2032

Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.6	33.8
58	77.2	59.7	89.5



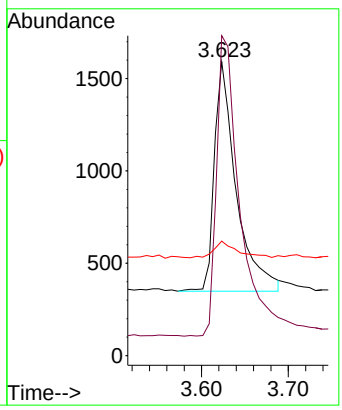


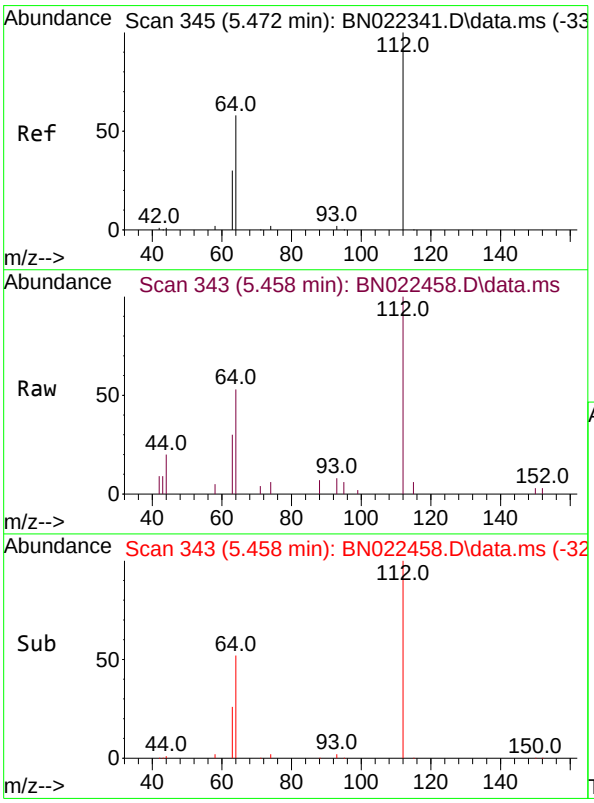
#3
n-Nitrosodimethylamine
Concen: 0.375 ng
RT: 3.623 min Scan# 89
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2179

Ion	Ratio	Lower	Upper
42	100		
74	138.6	105.6	158.4
44	7.6	7.1	10.7

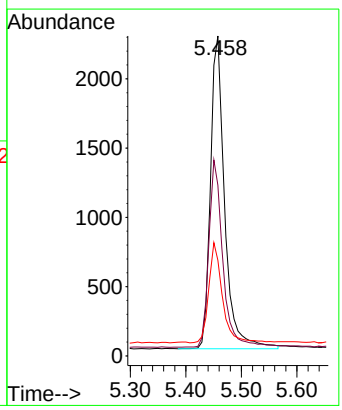


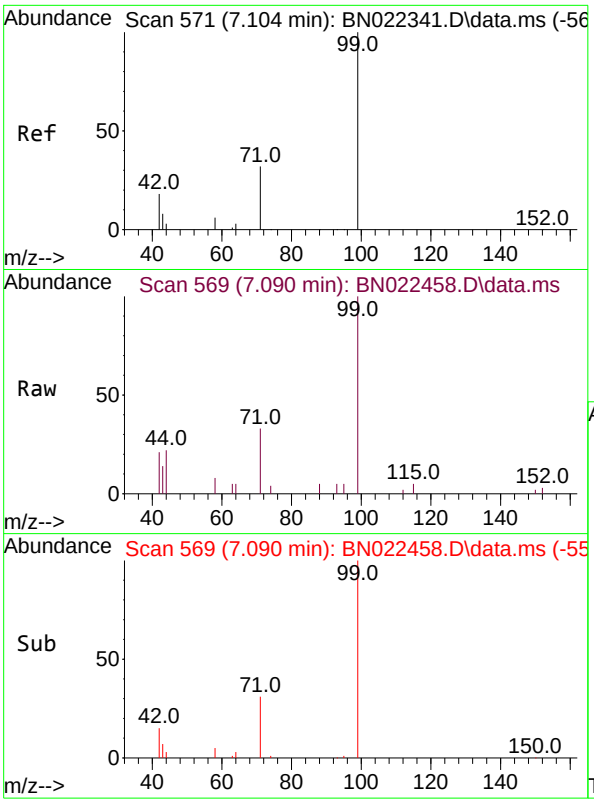


#4
2-Fluorophenol
Concen: 0.386 ng
RT: 5.458 min Scan# 343
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:112 Resp: 4007

Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.0	70.4
63	30.9	24.5	36.7



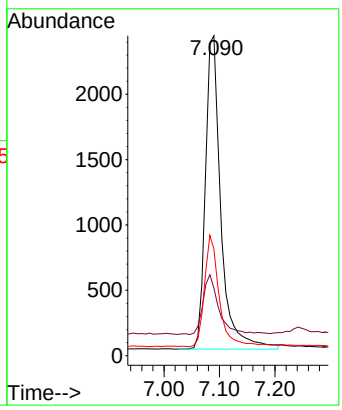


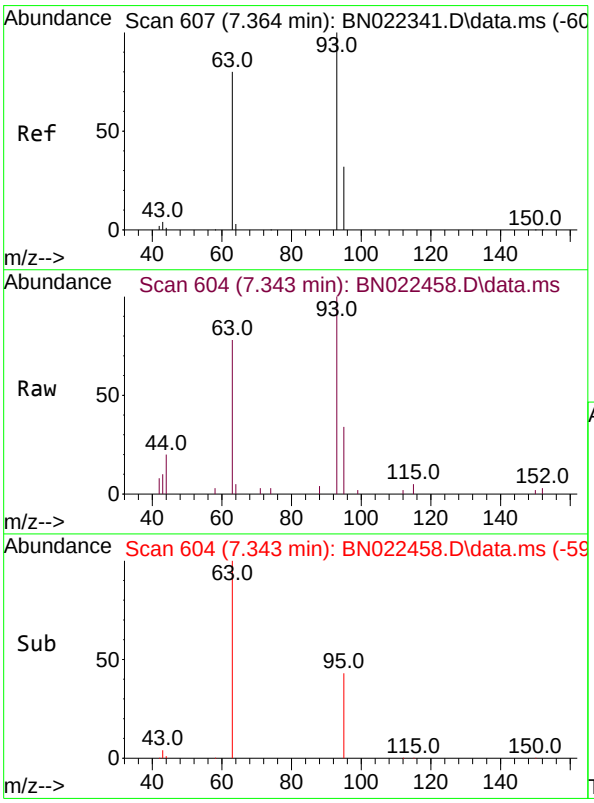
#5
Phenol-d6
Concen: 0.357 ng
RT: 7.090 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4652

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.3	24.5
71	33.6	26.1	39.1

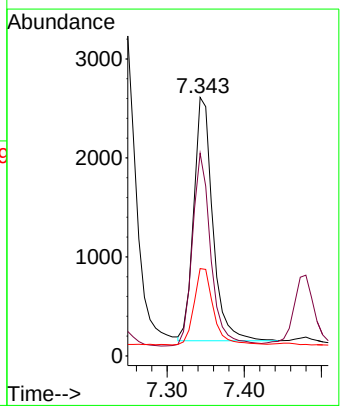


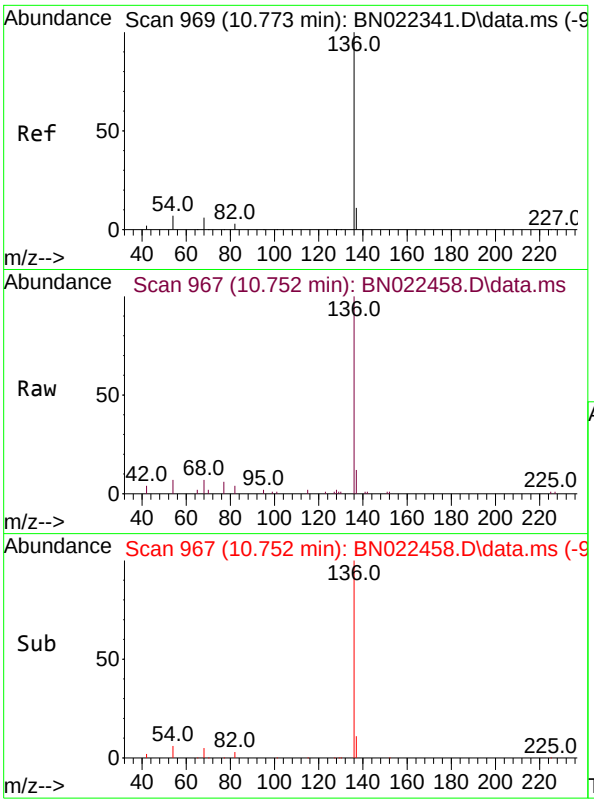


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 7.343 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion: 93 Resp: 4211

Ion	Ratio	Lower	Upper
93	100		
63	77.3	62.6	93.8
95	32.1	26.1	39.1



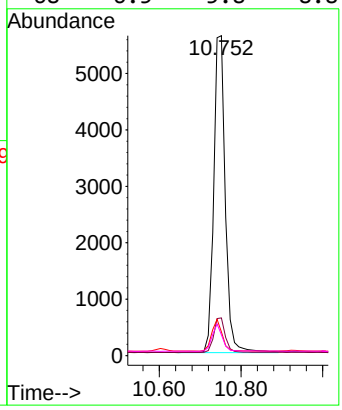


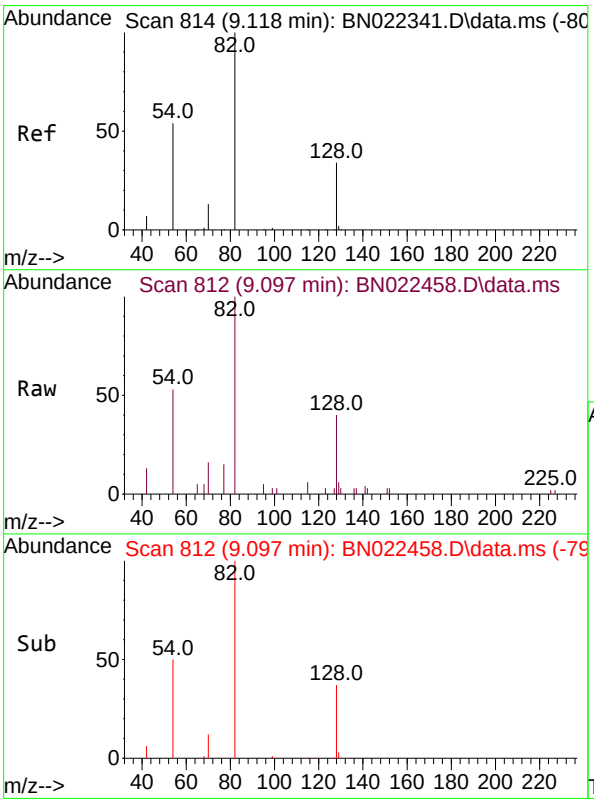
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 11043

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.2
54	7.4	6.5	9.7
68	6.5	5.8	8.8

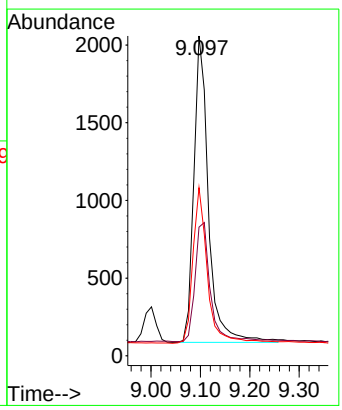


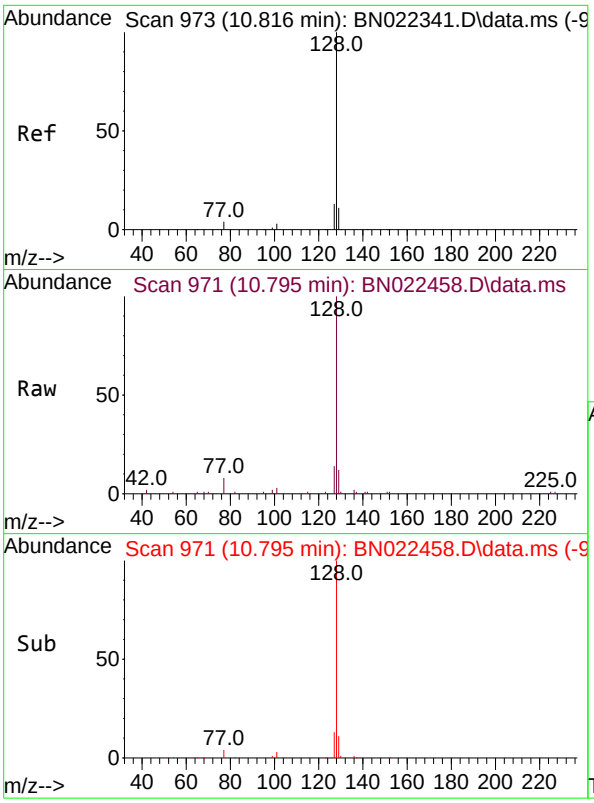


#8
Nitrobenzene-d5
Concen: 0.423 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion: 82 Resp: 4044

Ion	Ratio	Lower	Upper
82	100		
128	40.2	30.5	45.7
54	52.5	45.2	67.8



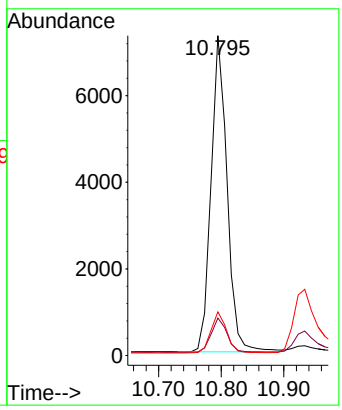


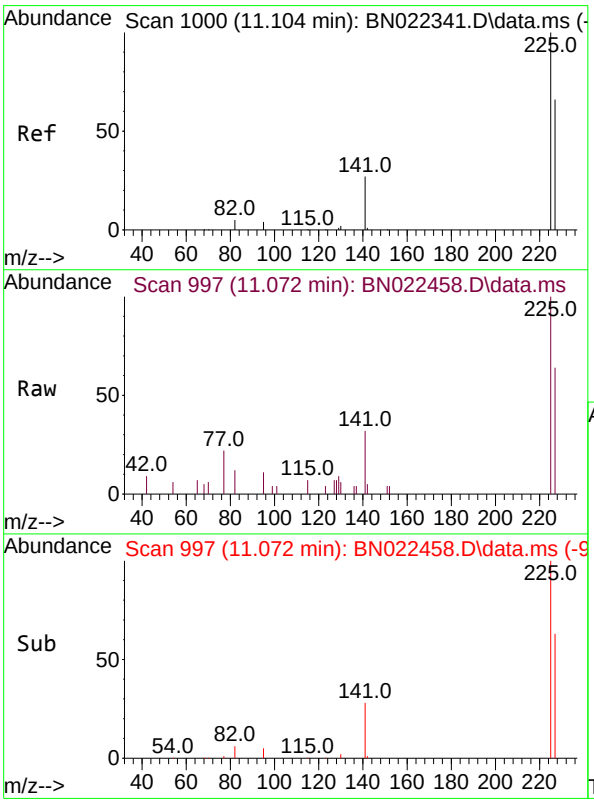
#9
Naphthalene
Concen: 0.393 ng
RT: 10.795 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 12980

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.6	11.0	16.6

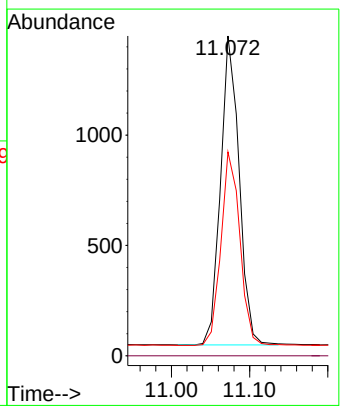


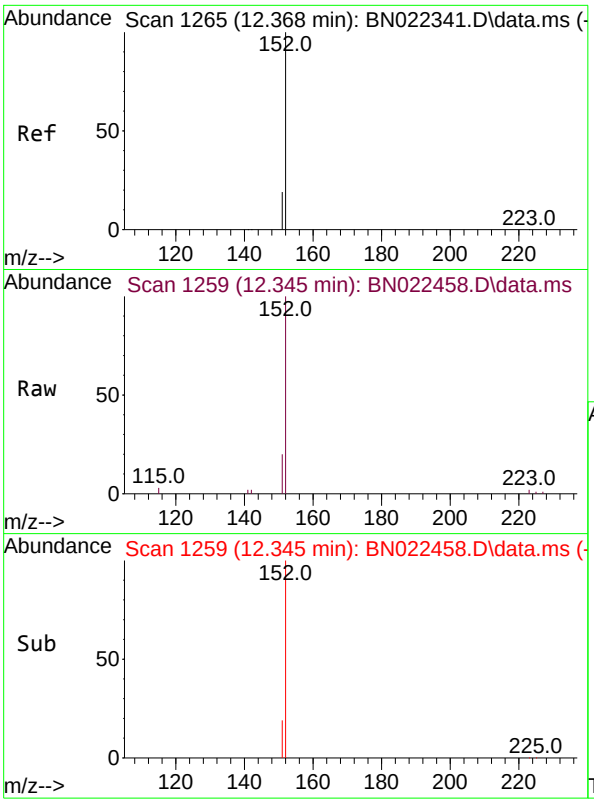


#10
Hexachlorobutadiene
Concen: 0.414 ng
RT: 11.072 min Scan# 997
Delta R.T. -0.011 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:225 Resp: 2316

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9



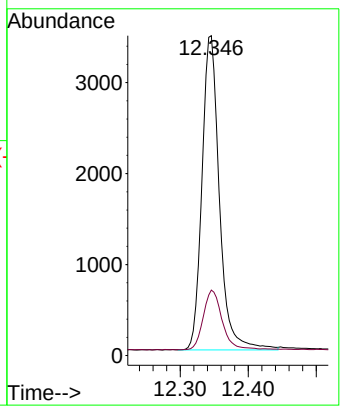


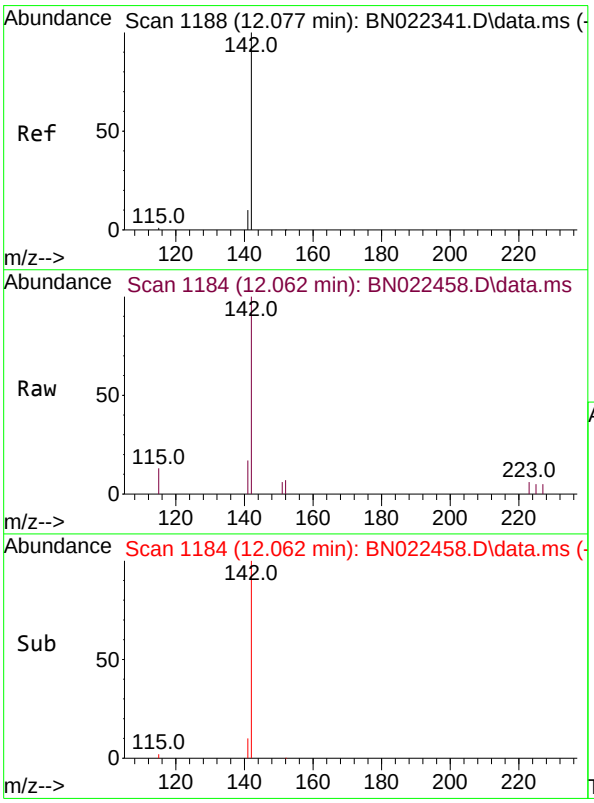
#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.345 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6138

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.7	25.1

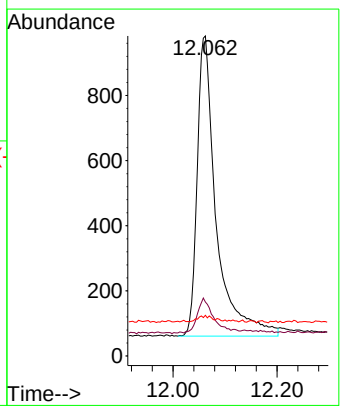


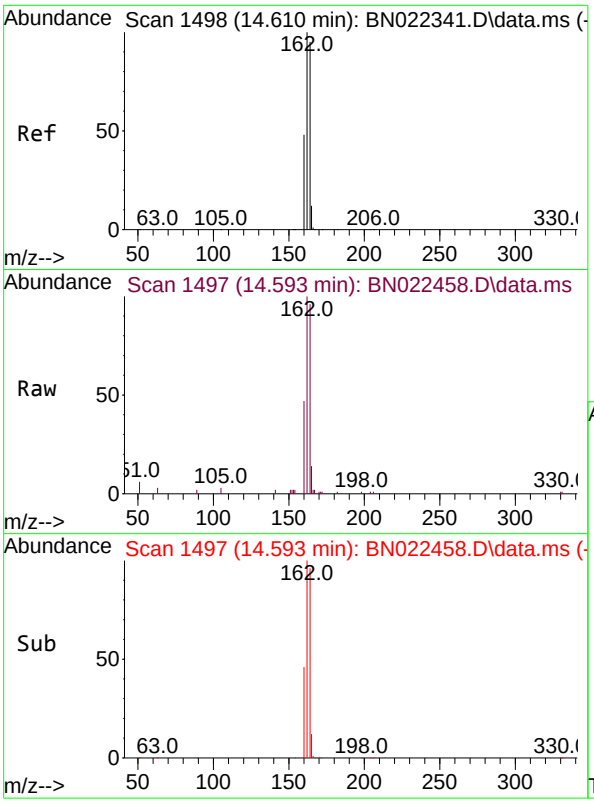


#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 12.062 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:142 Resp: 2346

Ion	Ratio	Lower	Upper
142	100		
141	16.9	13.0	19.4
115	12.7	9.1	13.7



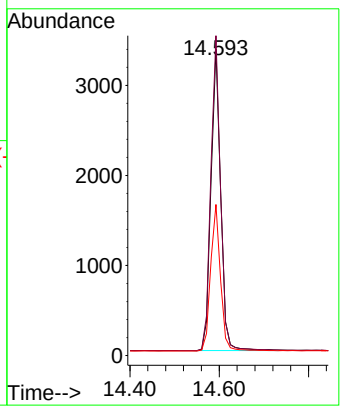


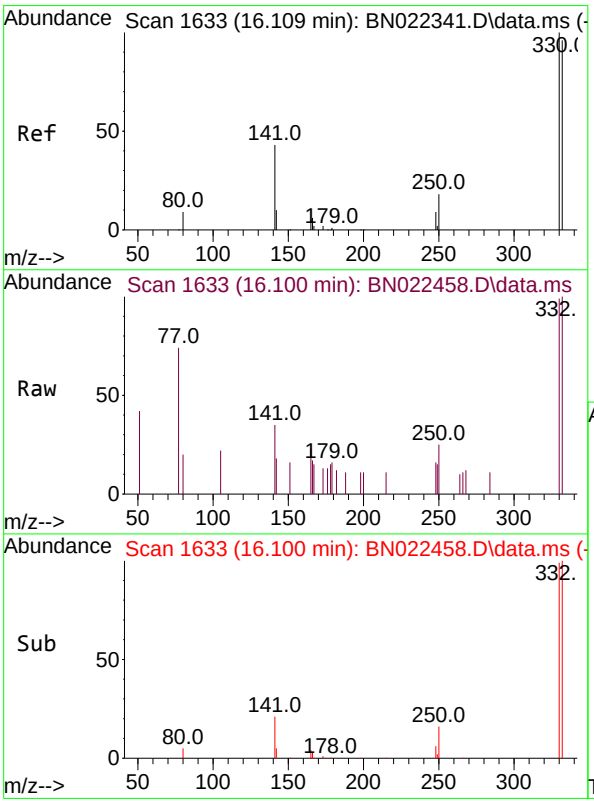
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.593 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5086

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.9	125.9
160	49.3	41.0	61.4

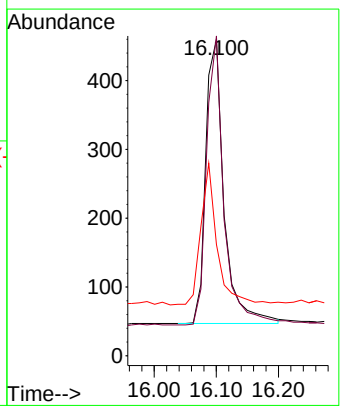


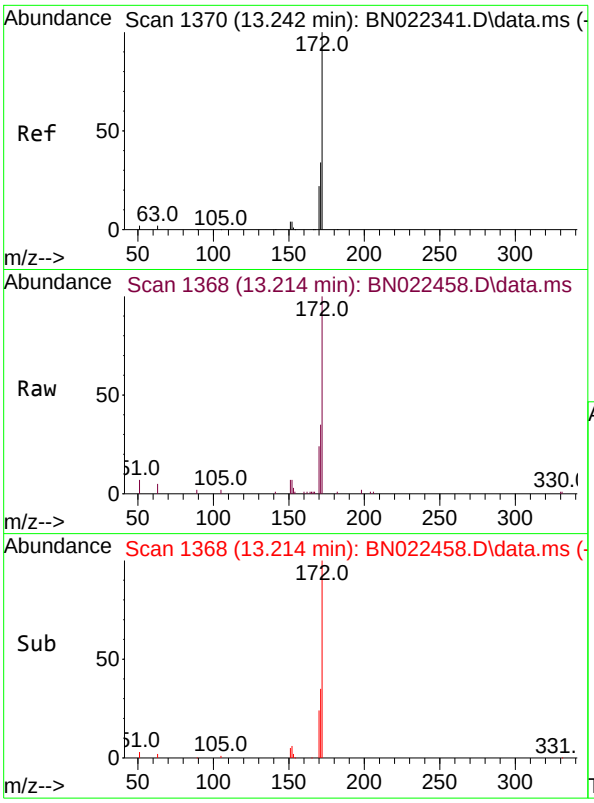


#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 16.100 min Scan# 1633
Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:330 Resp: 847

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.6	118.0
141	44.3	40.2	60.4



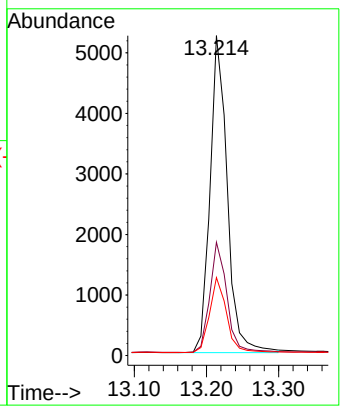


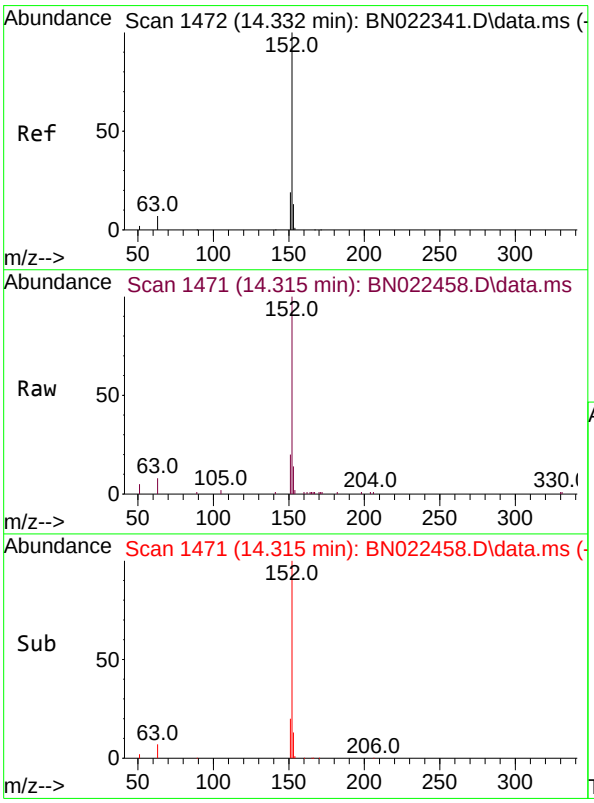
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.214 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 8710

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.4	41.0
170	24.4	18.5	27.7

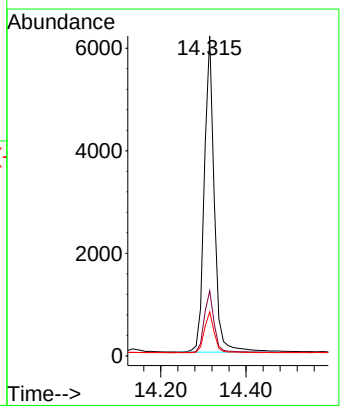


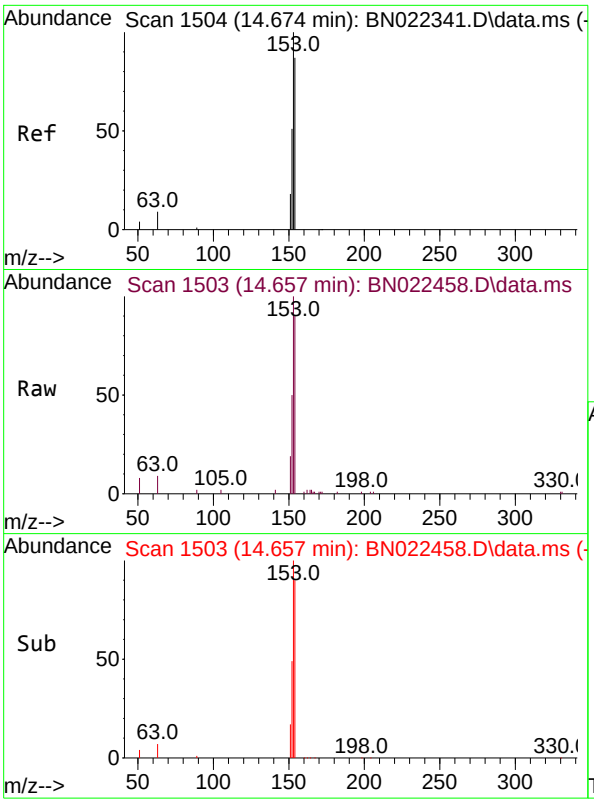


#16
Acenaphthylene
Concen: 0.408 ng
RT: 14.315 min Scan# 1471
Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:152 Resp: 10050

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.2	22.8
153	12.9	10.3	15.5





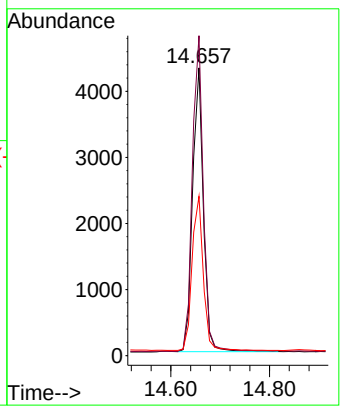
#17
Acenaphthene
Concen: 0.388 ng
RT: 14.657 min Scan# 1

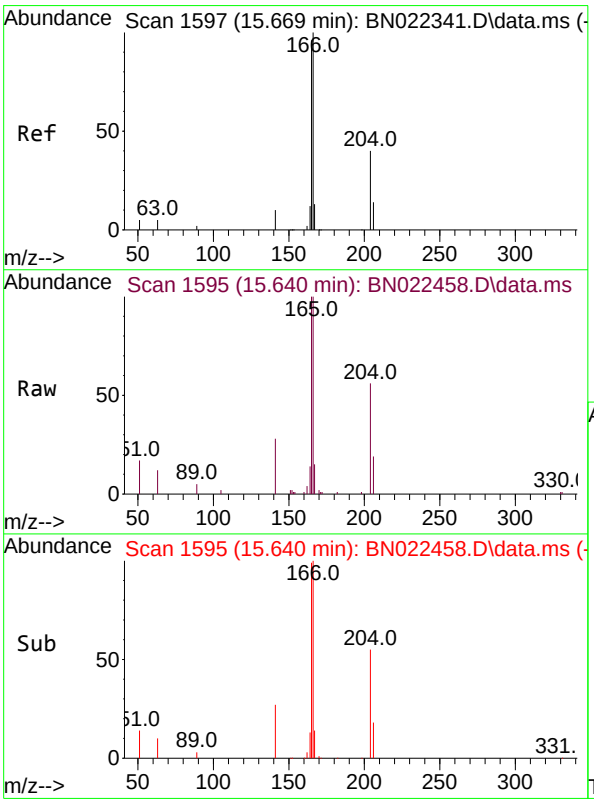
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:154 Resp: 6517

Ion	Ratio	Lower	Upper
154	100		
153	113.5	92.2	138.2
152	56.4	47.6	71.4

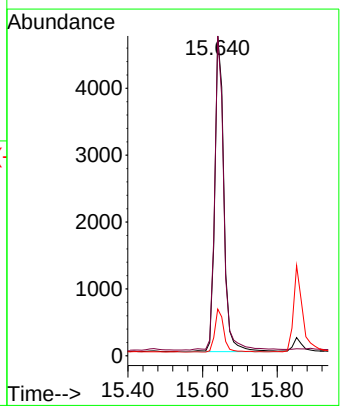


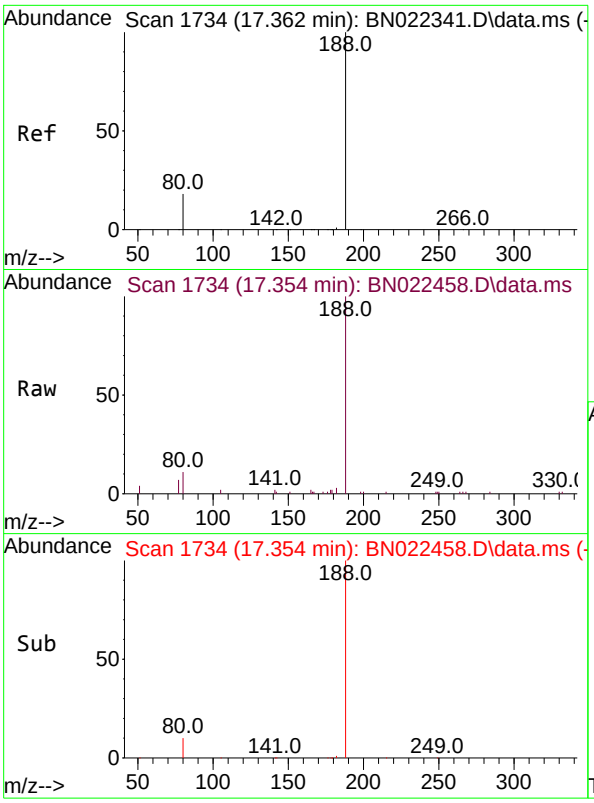


#18
Fluorene
Concen: 0.356 ng
RT: 15.640 min Scan# 1595
Delta R.T. -0.007 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:166 Resp: 8340

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	118.0
167	13.3	10.2	15.4



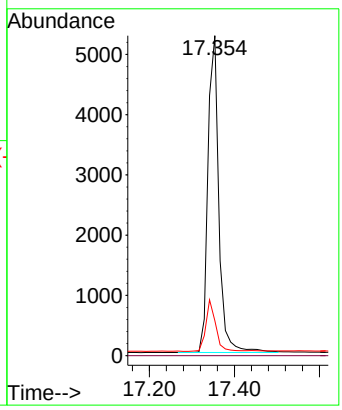


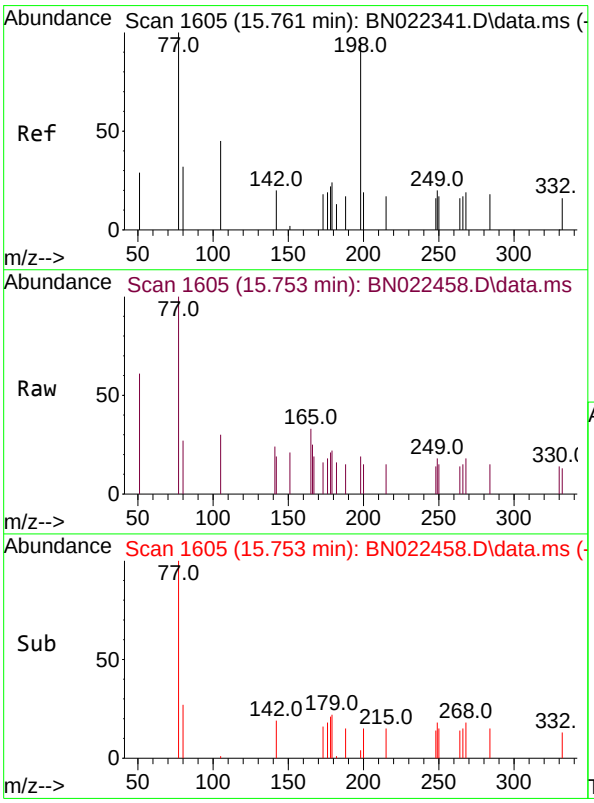
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.354 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 9372

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	15.0	22.6#

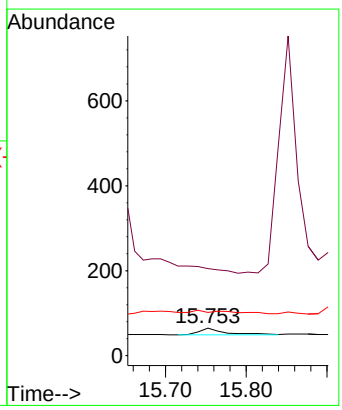


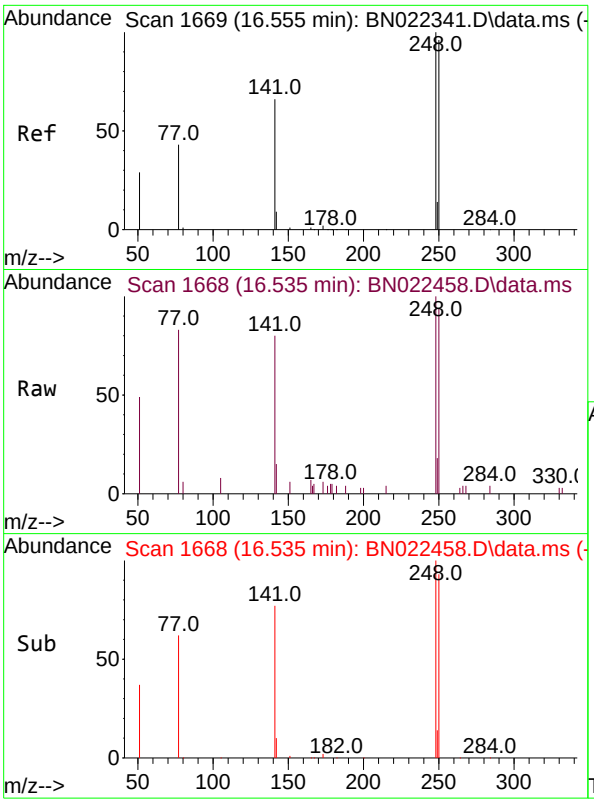


#20
4,6-Dinitro-2-methylphenol
Concen: 0.024 ng
RT: 15.753 min Scan# 1605
Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:198 Resp: 36

Ion	Ratio	Lower	Upper
198	100		
51	315.4	74.1	111.1#
105	156.9	58.8	88.2#



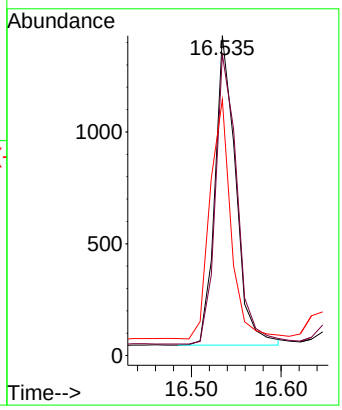


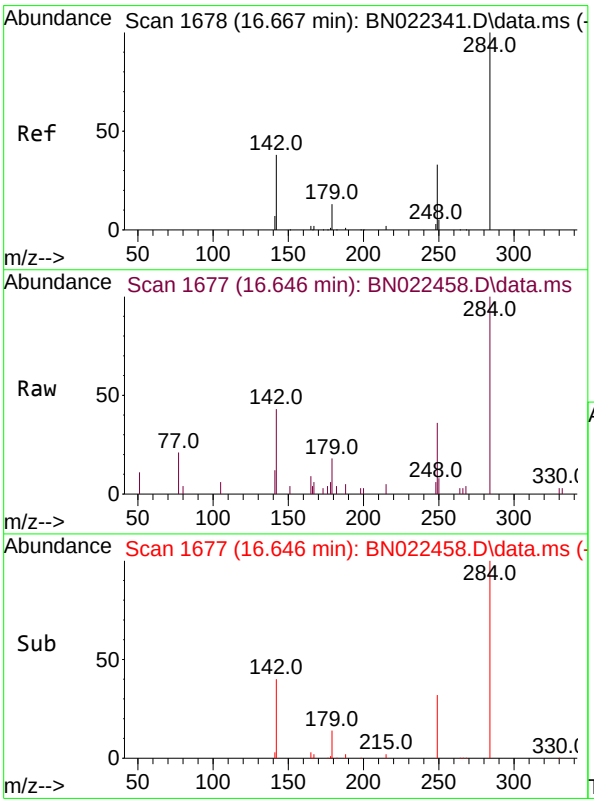
#21
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.535 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2234

Ion	Ratio	Lower	Upper
248	100		
250	94.1	77.5	116.3
141	80.0	54.5	81.7

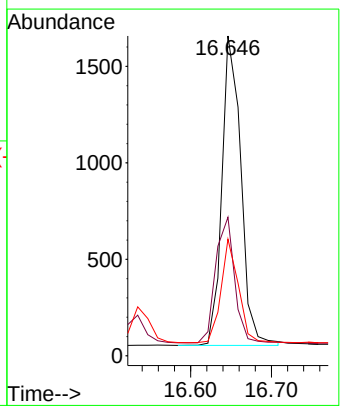


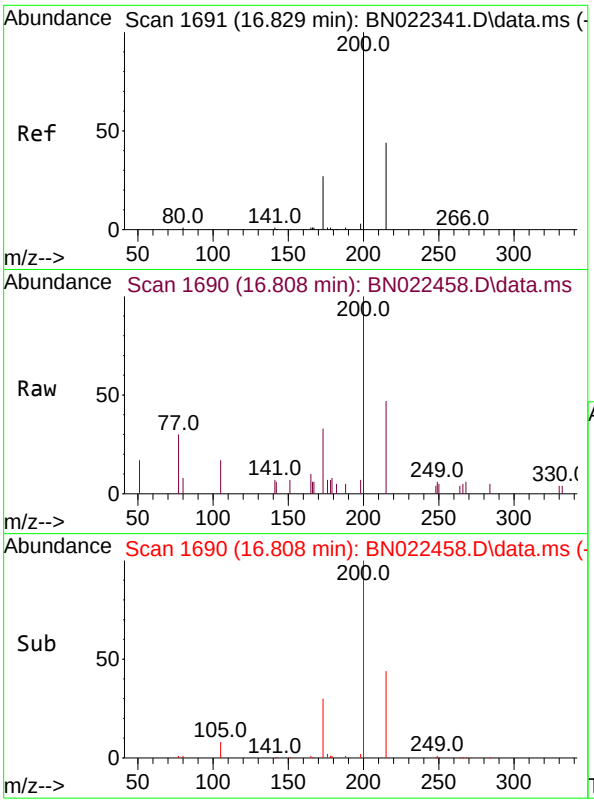


#22
Hexachlorobenzene
Concen: 0.403 ng
RT: 16.646 min Scan# 1677
Delta R.T. -0.009 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:284 Resp: 2613

Ion	Ratio	Lower	Upper
284	100		
142	40.5	33.8	50.8
249	30.8	25.5	38.3



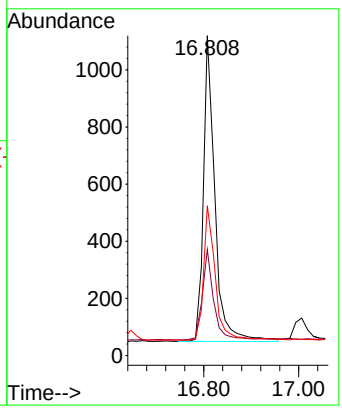


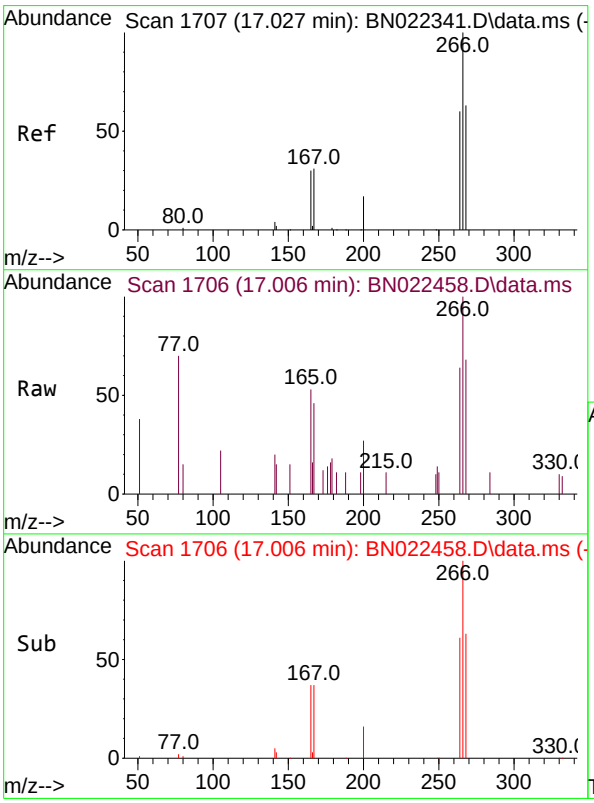
#23
Atrazine
Concen: 0.379 ng
RT: 16.808 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1790

Ion	Ratio	Lower	Upper
200	100		
173	33.1	23.7	35.5
215	46.8	36.6	55.0

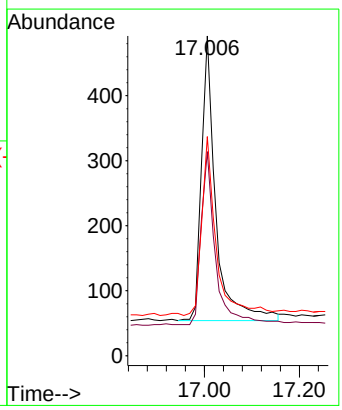


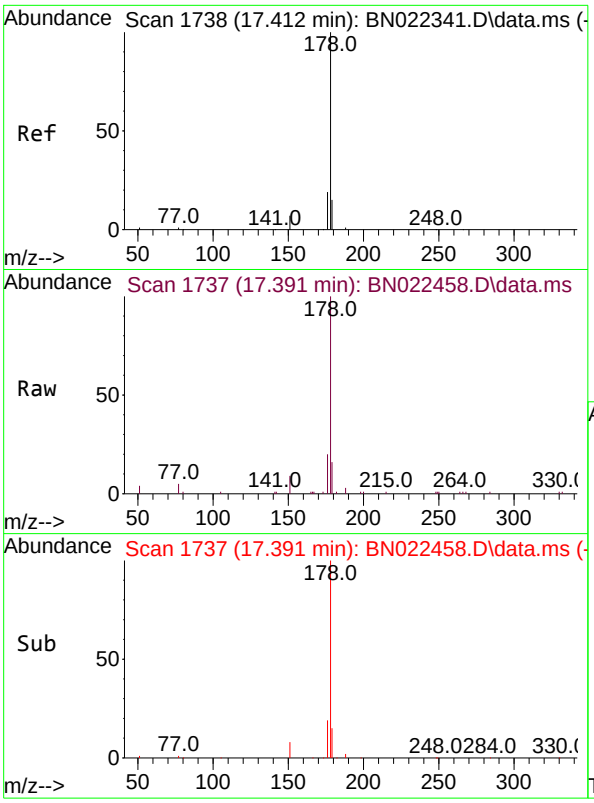


#24
Pentachlorophenol
Concen: 0.341 ng
RT: 17.006 min Scan# 1706
Delta R.T. -0.009 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:266 Resp: 915

Ion	Ratio	Lower	Upper
266	100		
264	60.8	49.1	73.7
268	63.3	49.6	74.4



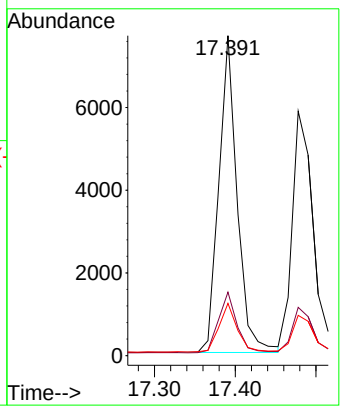


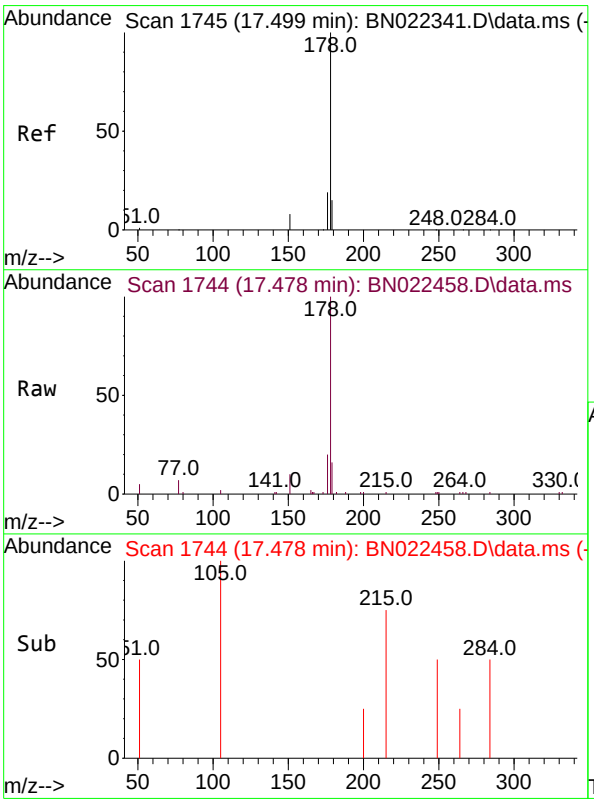
#25
Phenanthrene
Concen: 0.376 ng
RT: 17.391 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 12095

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.5	18.7

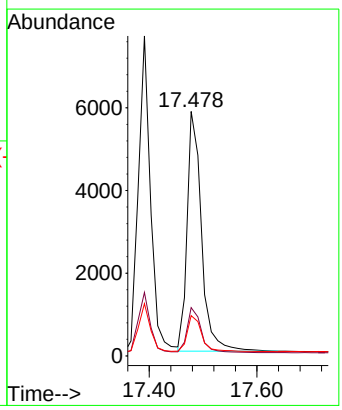


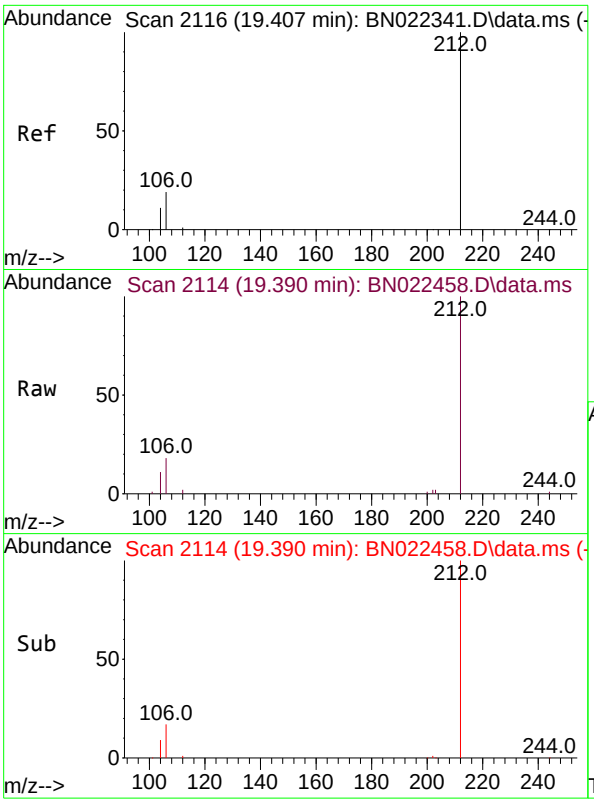


#26
Anthracene
Concen: 0.395 ng
RT: 17.478 min Scan# 1744
Delta R.T. -0.009 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:178 Resp: 10690

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	14.9	12.2	18.4



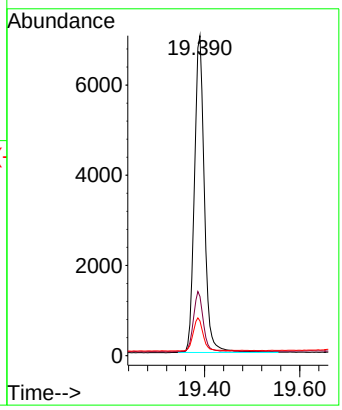


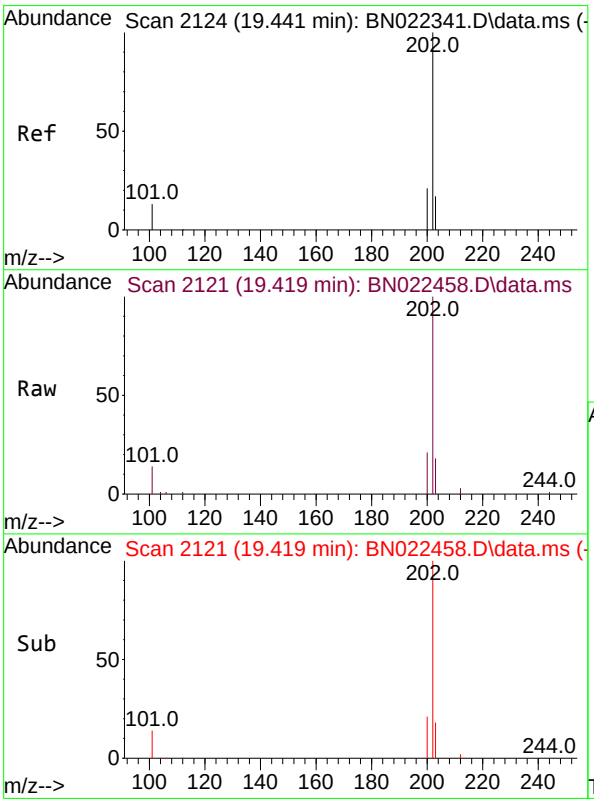
#27
Fluoranthene-d10
Concen: 0.394 ng
RT: 19.390 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 10202

Ion	Ratio	Lower	Upper
212	100		
106	18.9	15.0	22.4
104	10.6	9.3	13.9

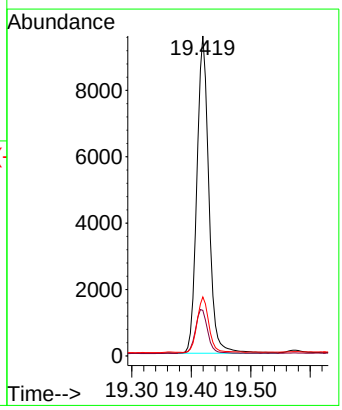


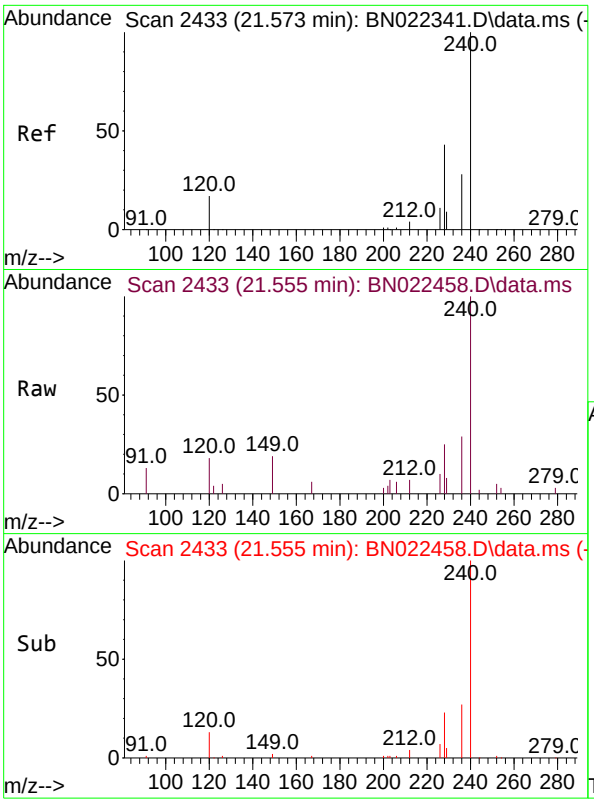


#28
Fluoranthene
Concen: 0.383 ng
RT: 19.419 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:202 Resp: 13361

Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.4	17.0
203	17.1	13.7	20.5



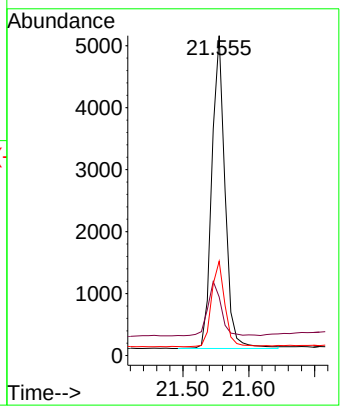


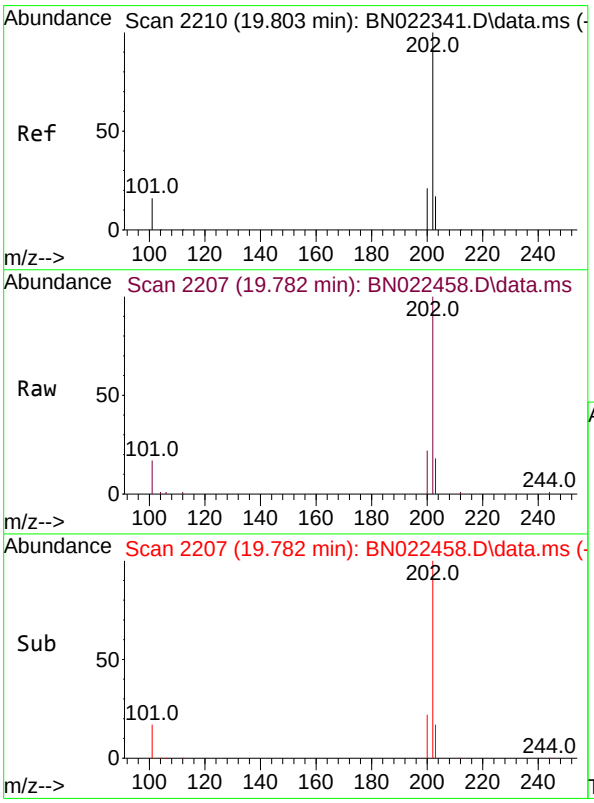
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7007

Ion	Ratio	Lower	Upper
240	100		
120	18.3	15.8	23.6
236	29.5	23.2	34.8

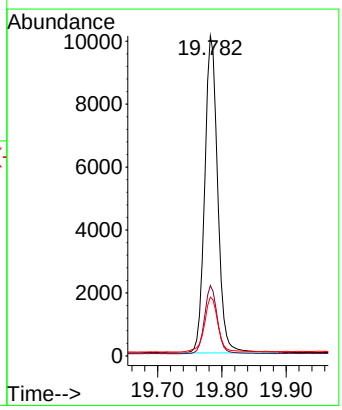


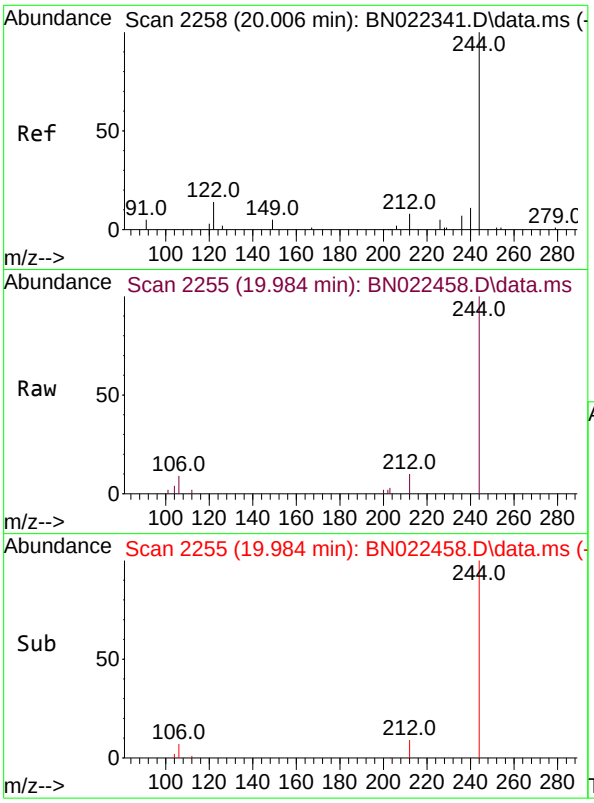


#30
Pyrene
Concen: 0.436 ng
RT: 19.782 min Scan# 2207
Delta R.T. -0.005 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:202 Resp: 14072

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.2	14.2	21.2



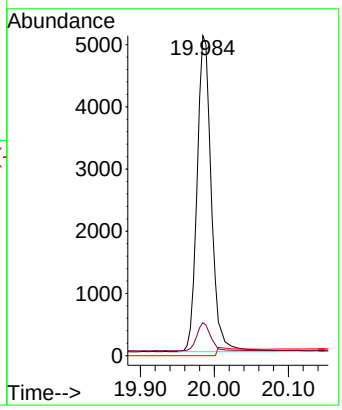


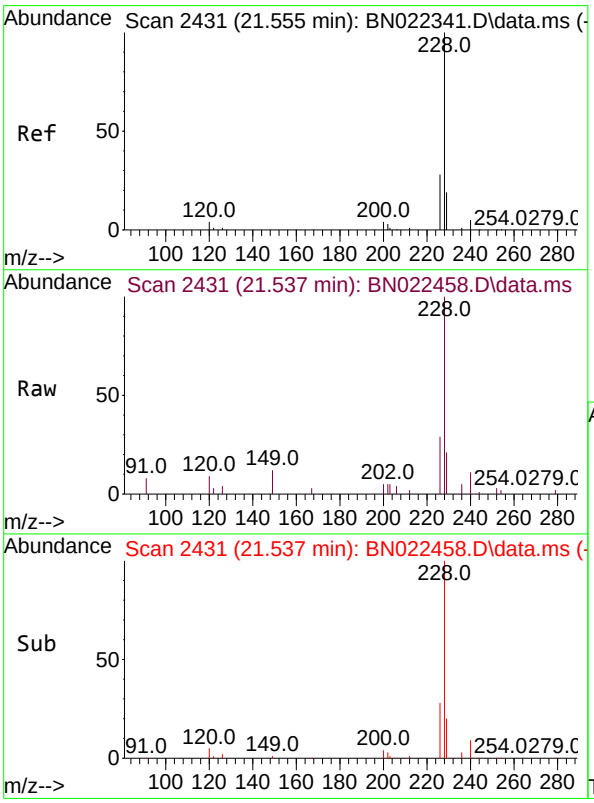
#31
Terphenyl-d14
Concen: 0.527 ng
RT: 19.984 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 9628

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.0	10.4
122	0.0	11.5	17.3#

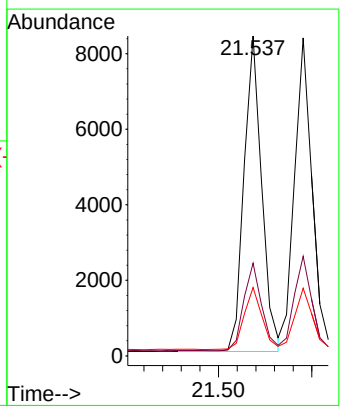


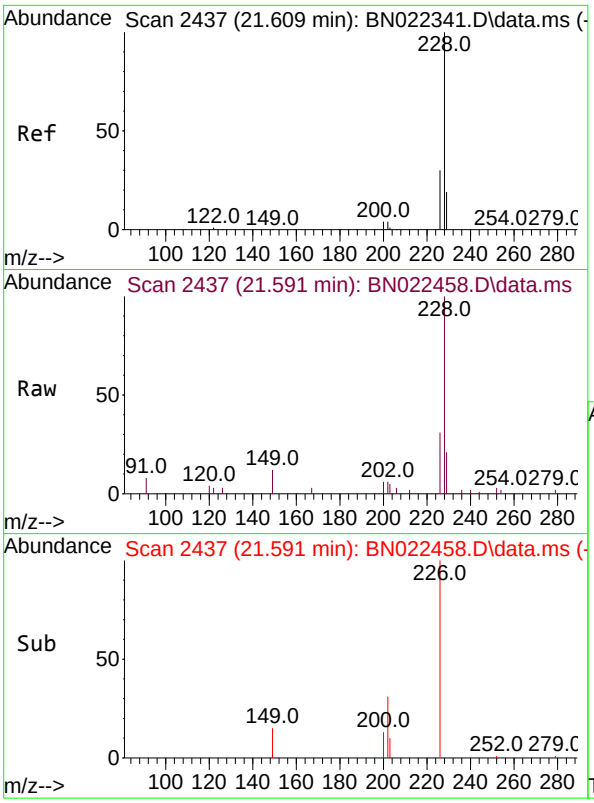


#32
Benzo(a)anthracene
Concen: 0.398 ng
RT: 21.537 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:228 Resp: 10974

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	21.4	15.5	23.3



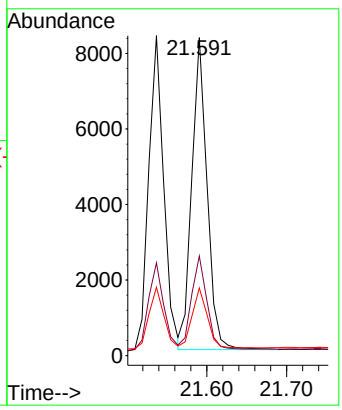


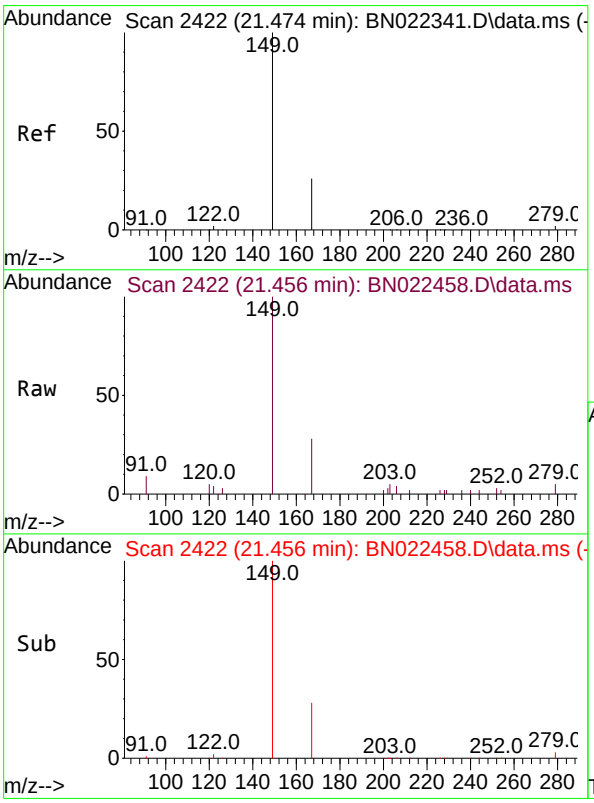
#33
Chrysene
Concen: 0.379 ng
RT: 21.591 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 10933

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.5	36.7
229	21.3	15.6	23.4

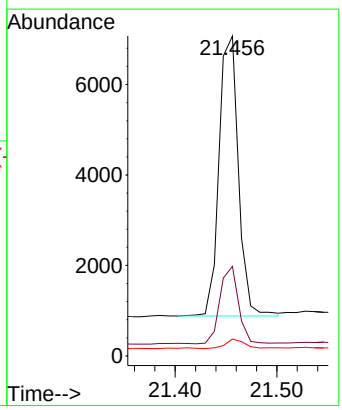


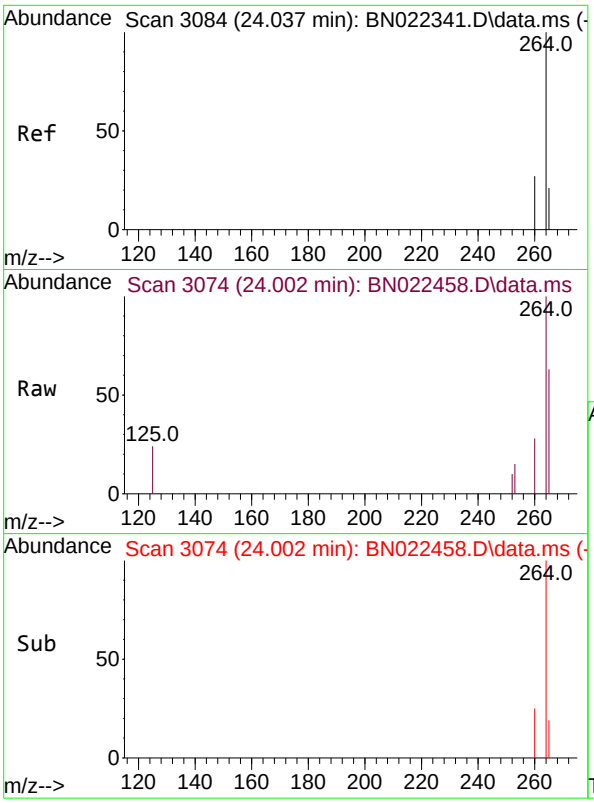


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.423 ng
RT: 21.456 min Scan# 2422
Delta R.T. 0.009 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:149 Resp: 8229

Ion	Ratio	Lower	Upper
149	100		
167	26.5	20.2	30.4
279	3.5	2.3	3.5



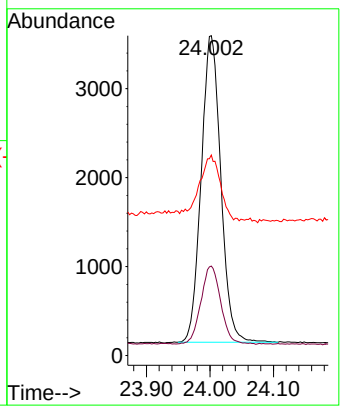


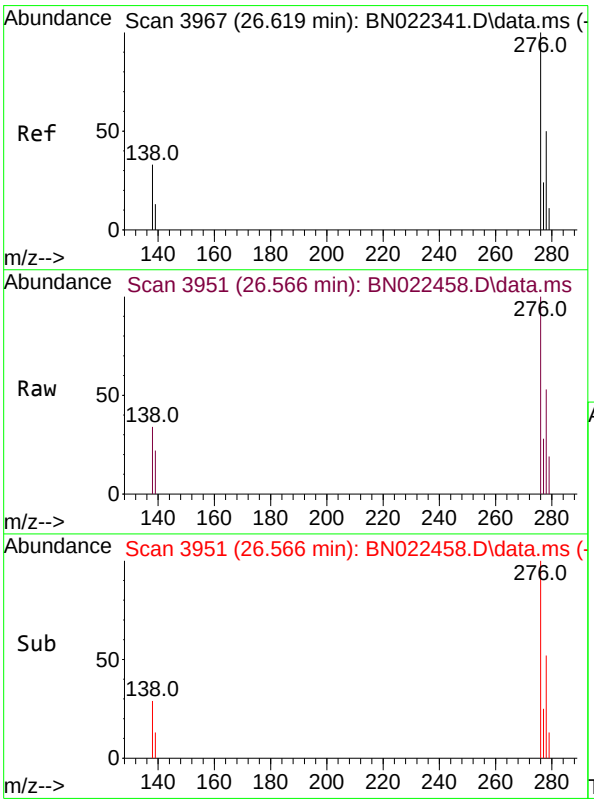
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 7387

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.1	33.1
265	62.7	53.0	79.4

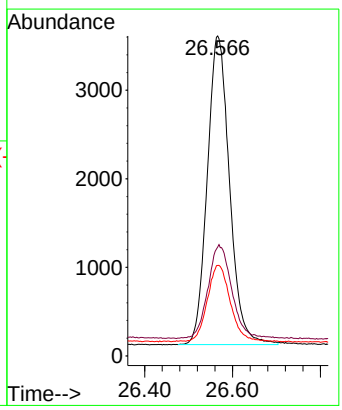


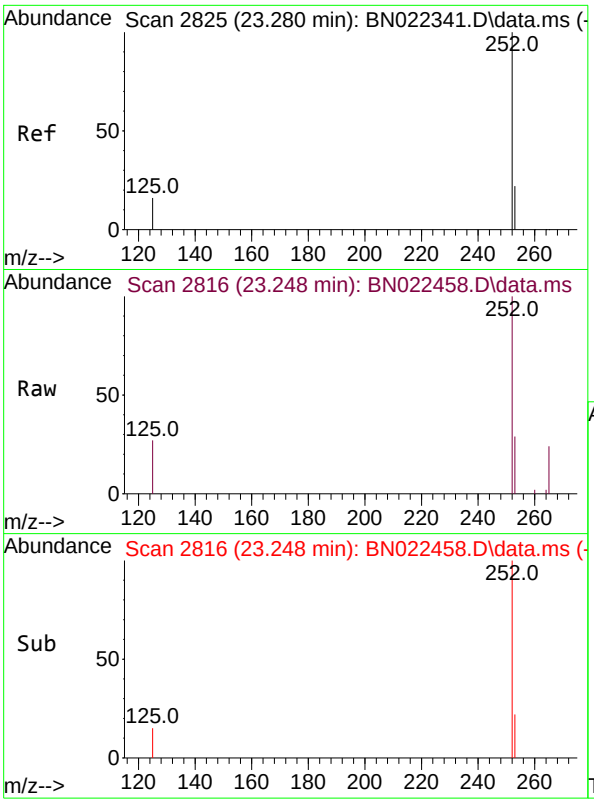


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.336 ng
RT: 26.566 min Scan# 3951
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:276 Resp: 12277

Ion	Ratio	Lower	Upper
276	100		
138	32.6	28.2	42.2
277	25.0	19.7	29.5



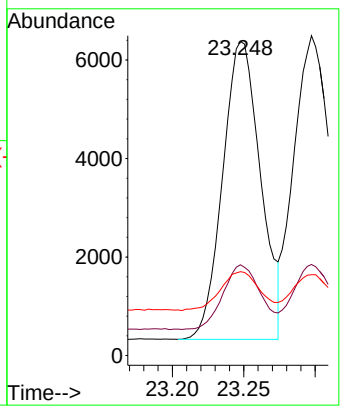


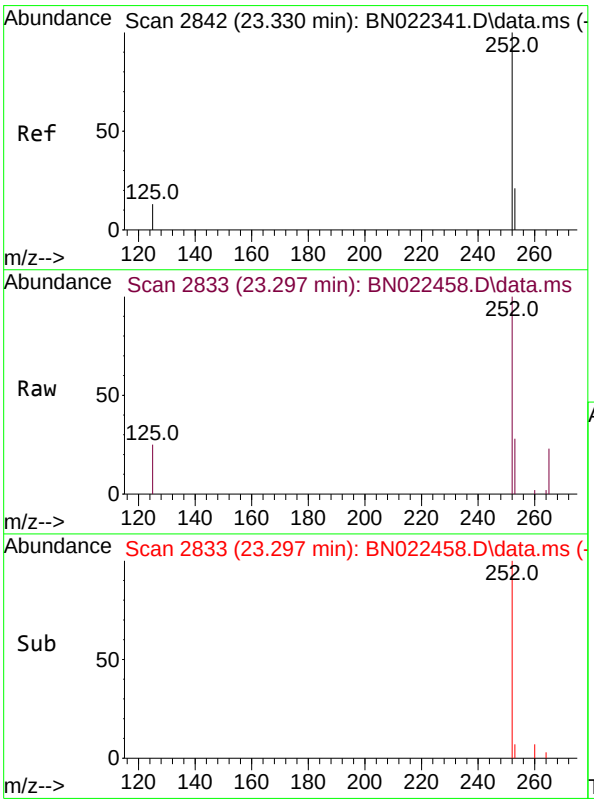
#37
Benzo(b)fluoranthene
Concen: 0.330 ng
RT: 23.248 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11172

Ion	Ratio	Lower	Upper
252	100		
253	28.9	20.4	30.6
125	26.7	16.6	25.0#

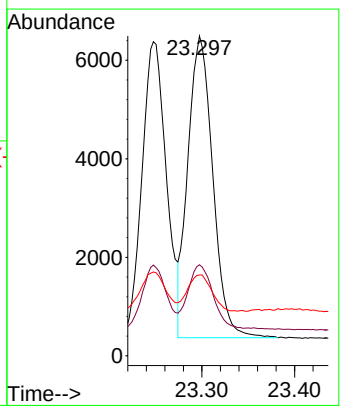


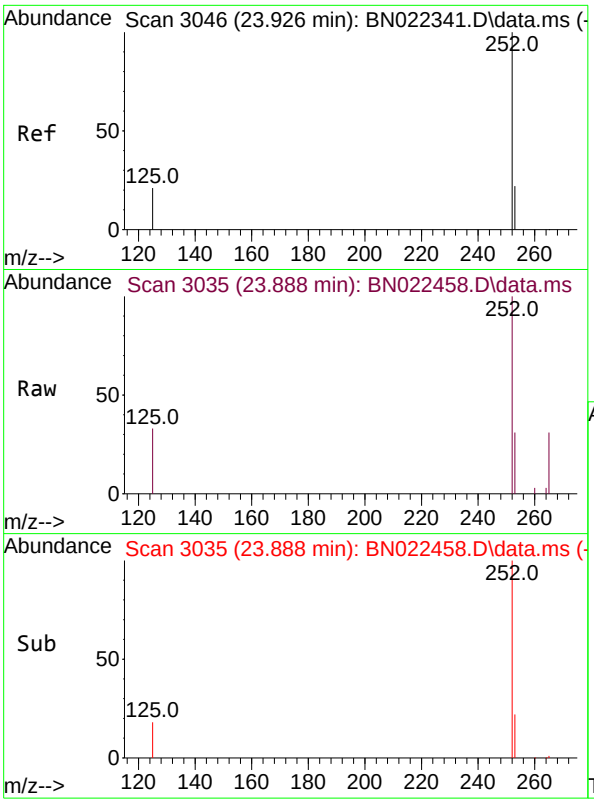


#38
Benzo(k)fluoranthene
Concen: 0.340 ng
RT: 23.297 min Scan# 2833
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:252 Resp: 11438

Ion	Ratio	Lower	Upper
252	100		
253	28.5	19.8	29.8
125	25.3	15.0	22.6#



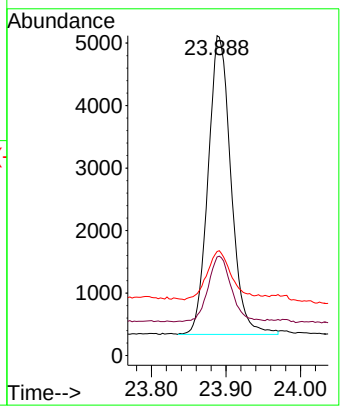


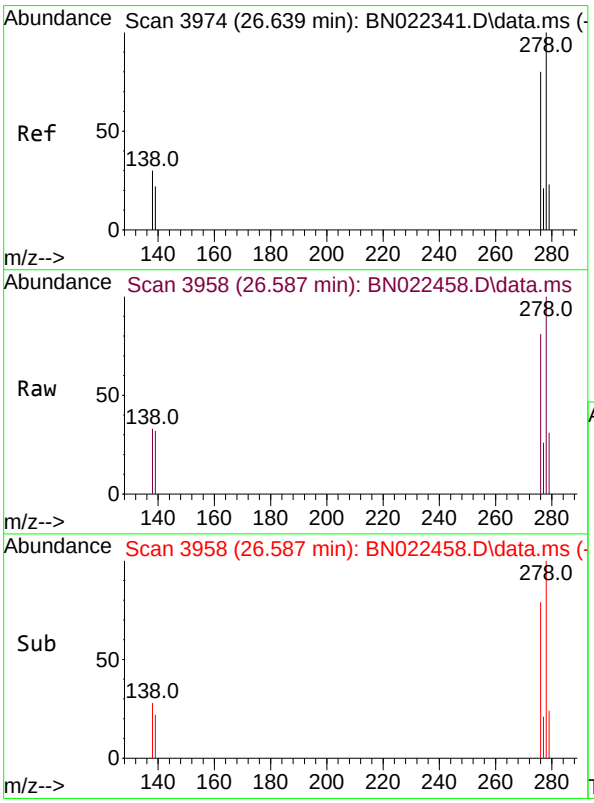
#39
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.888 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10166

Ion	Ratio	Lower	Upper
252	100		
253	30.8	21.9	32.9
125	32.5	22.9	34.3

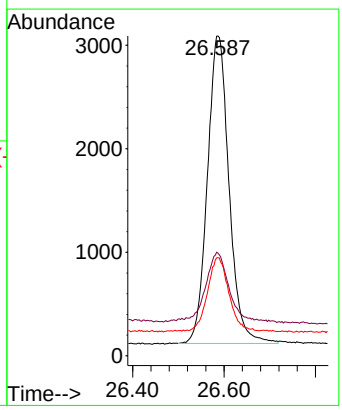


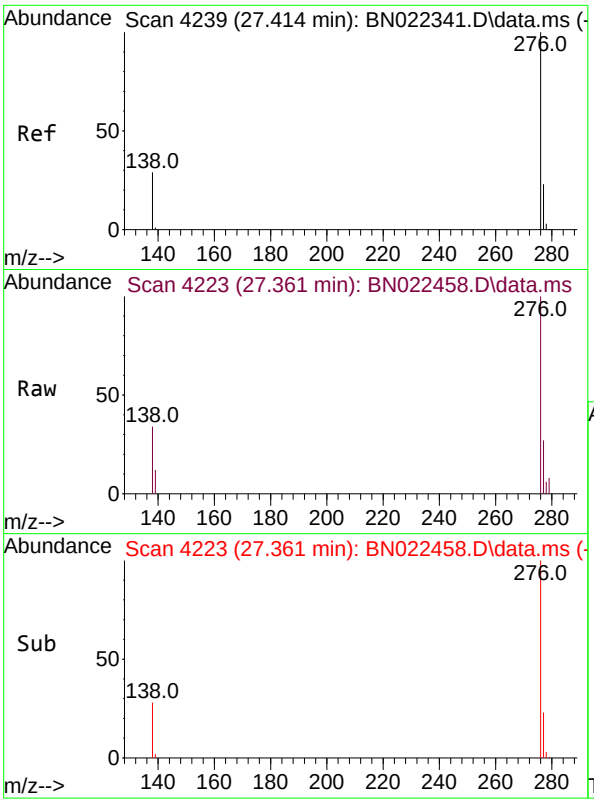


#40
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 26.587 min Scan# 3958
Delta R.T. -0.000 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Tgt Ion:278 Resp: 9785

Ion	Ratio	Lower	Upper
278	100		
139	32.1	20.2	30.2#
279	30.7	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.390 ng
RT: 27.361 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN022458.D
Acq: 02 Nov 2022 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11741

Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.5	29.3
138	33.6	25.0	37.4