Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112521\
Data File : BN017585.D
Acq On : 24 Nov 2021 17:52
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 25 02:37:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 25 02:34:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.754	152	21562	0.400	ng	0.00
7) Naphthalene-d8	10.535	136	93671	0.400	ng	0.00
13) Acenaphthene-d10	14.371	164	52140	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	105170	0.400	ng	0.00
29) Chrysene-d12	21.313	240	93795	0.400	ng	# 0.00
35) Perylene-d12	23.629	264	69689	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	10900	0.204	ng	0.00
5) Phenol-d6	6.924	99	12079	0.200	ng	0.00
8) Nitrobenzene-d5	8.887	82	7764	0.126	ng	0.00
11) 2-Methylnaphthalene-d10	12.124	152	29856	0.191	ng	0.00
14) 2,4,6-Tribromophenol	15.868	330	4133	0.258	ng	0.00
15) 2-Fluorobiphenyl	13.001	172	37528	0.193	ng	0.00
27) Fluoranthene-d10	19.158	212	63609	0.197	ng	0.00
31) Terphenyl-d14	19.759	244	40926	0.199	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.310	88	1922	0.186	ng	# 100
3) n-Nitrosodimethylamine	3.632	42	3722	0.175	ng	# 71
6) bis(2-Chloroethyl)ether	7.182	93	12009	0.195	ng	100
9) Naphthalene	10.585	128	43680	0.184	ng	99
10) Hexachlorobutadiene	10.877	225	11109	0.237	ng	# 100
12) 2-Methylnaphthalene	12.200	142	29197	0.191	ng	99
16) Acenaphthylene	14.092	152	38708	0.186	ng	100
17) Acenaphthene	14.435	154	25632	0.178	ng	98
18) Fluorene	15.424	166	32139	0.186	ng	100
20) 4,6-Dinitro-2-methylph...	15.513	198	62	0.013	ng	# 59
21) 4-Bromophenyl-phenylether	16.313	248	11554	0.200	ng	97
22) Hexachlorobenzene	16.435	284	14266	0.228	ng	99
23) Atrazine	16.593	200	4454	0.116	ng	97
24) Pentachlorophenol	16.775	266	3465	0.184	ng	99
25) Phenanthrene	17.165	178	51451	0.175	ng	100
26) Anthracene	17.250	178	44772	0.178	ng	100
28) Fluoranthene	19.188	202	62709	0.193	ng	99
30) Pyrene	19.551	202	63529	0.200	ng	100
32) Benzo(a)anthracene	21.303	228	56511	0.194	ng	97
33) Chrysene	21.345	228	58046	0.186	ng	98
34) Bis(2-ethylhexyl)phtha...	21.250	149	13186	0.117	ng	98
36) Indeno(1,2,3-cd)pyrene	26.005	276	26700	0.126	ng	# 92
37) Benzo(b)fluoranthene	22.928	252	48370	0.191	ng	99
38) Benzo(k)fluoranthene	22.976	252	46616	0.190	ng	# 97
39) Benzo(a)pyrene	23.523	252	38499	0.184	ng	98
40) Dibenzo(a,h)anthracene	26.025	278	22124	0.127	ng	# 90
41) Benzo(g,h,i)perylene	26.727	276	20238	0.111	ng	95

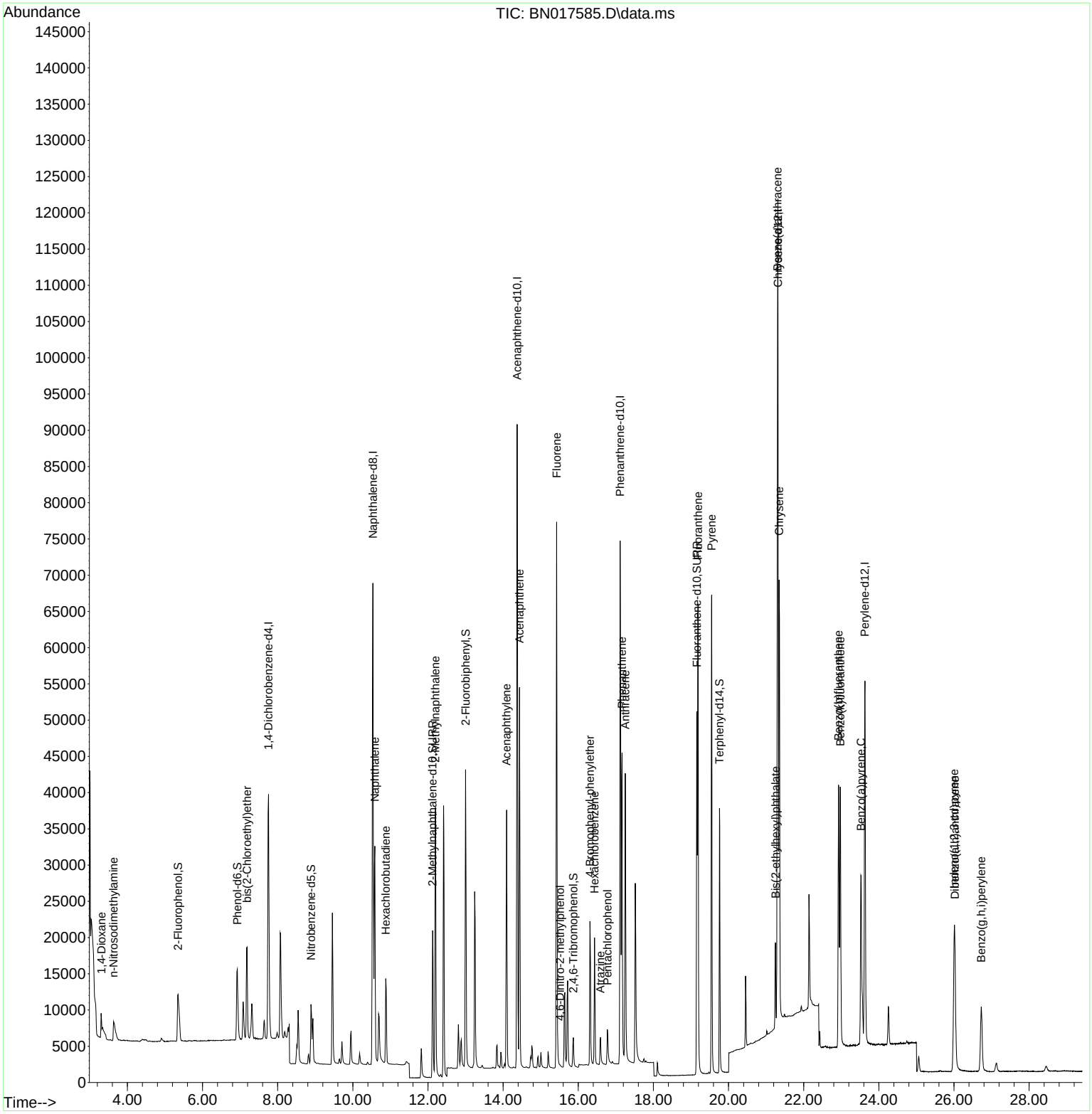
(#) = qualifier out of range (m) = manual integration (+) = signals summed

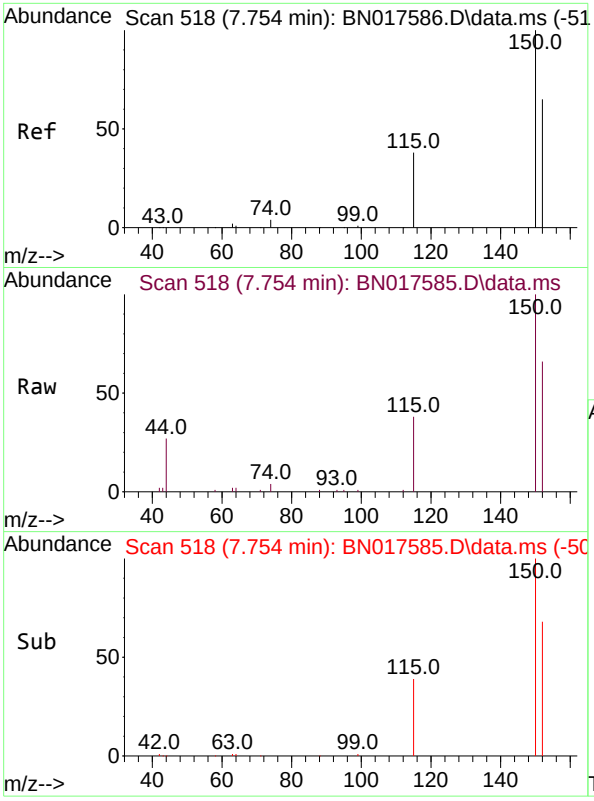
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112521\
Data File : BN017585.D
Acq On : 24 Nov 2021 17:52
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 25 02:37:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 25 02:34:04 2021
Response via : Initial Calibration



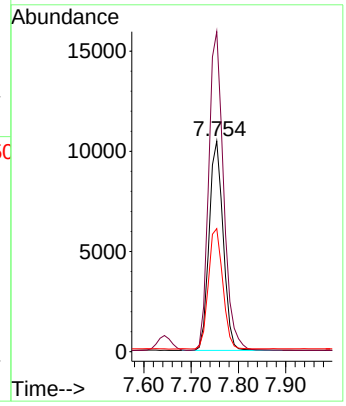


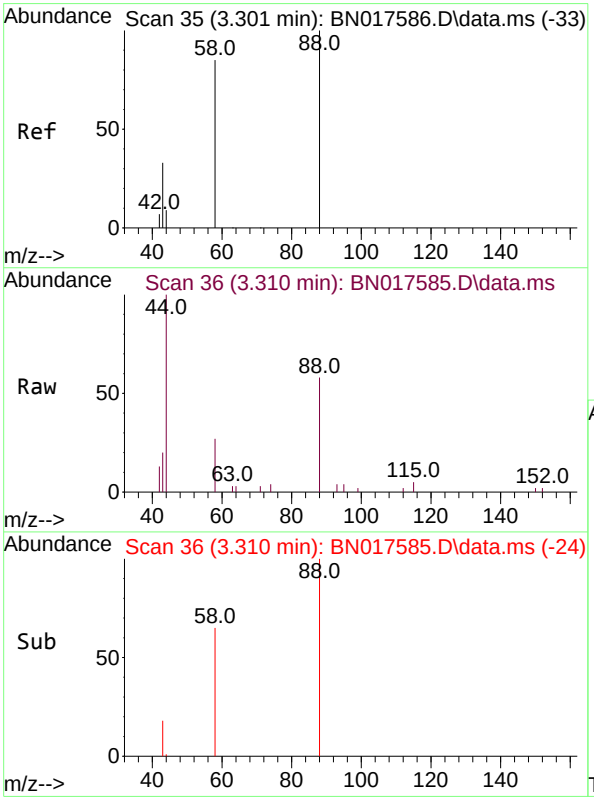
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.754 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 21562

Ion	Ratio	Lower	Upper
152	100		
150	152.0	122.5	183.7
115	58.4	47.0	70.4

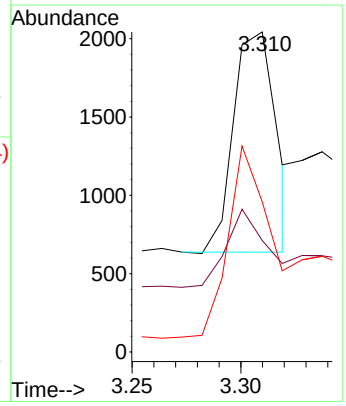


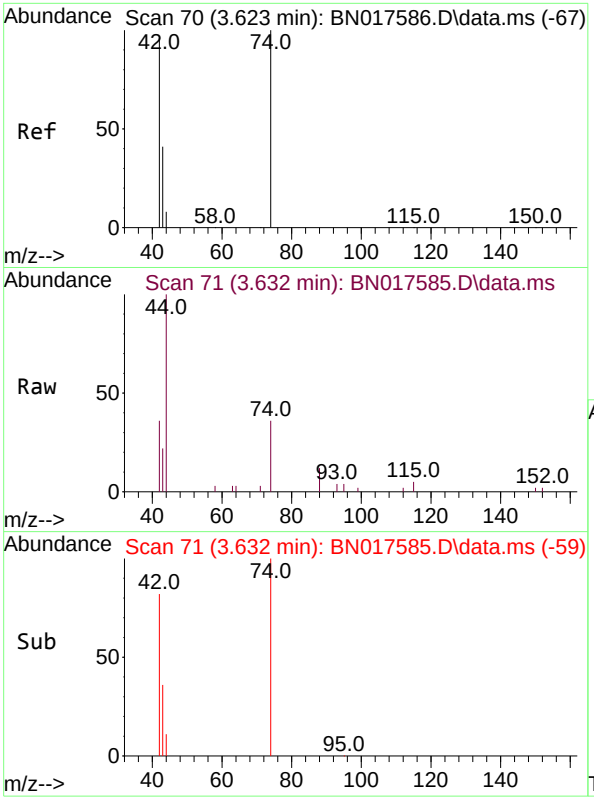


#2
1,4-Dioxane
Concen: 0.186 ng
RT: 3.310 min Scan# 36
Delta R.T. 0.009 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion: 88 Resp: 1922

Ion	Ratio	Lower	Upper
88	100		
43	33.3	0.0	0.0#
58	84.5	0.0	0.0#



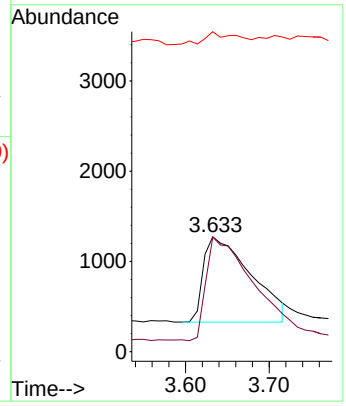


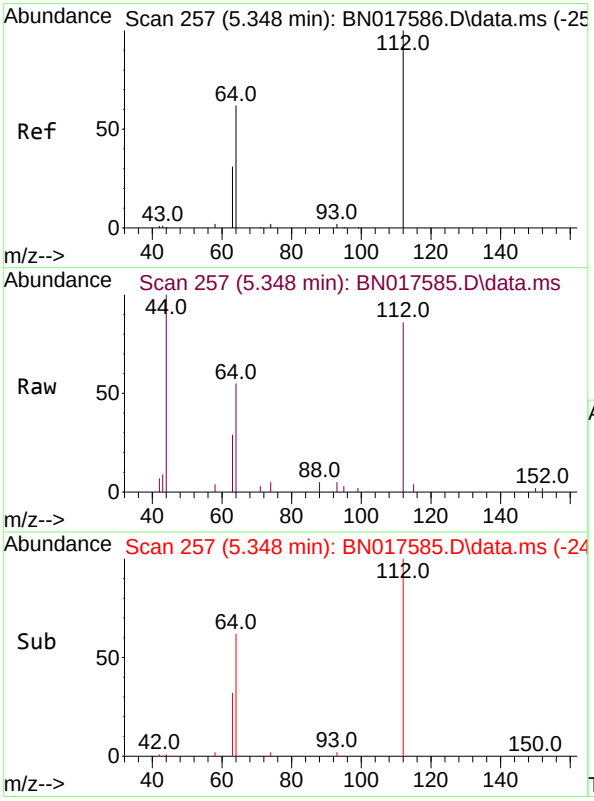
#3
n-Nitrosodimethylamine
Concen: 0.175 ng
RT: 3.632 min Scan# 7
Delta R.T. 0.009 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 3722

Ion	Ratio	Lower	Upper
42	100		
74	117.5	72.1	108.1#
44	9.9	2.6	4.0#

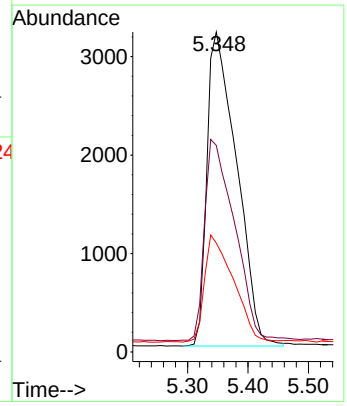


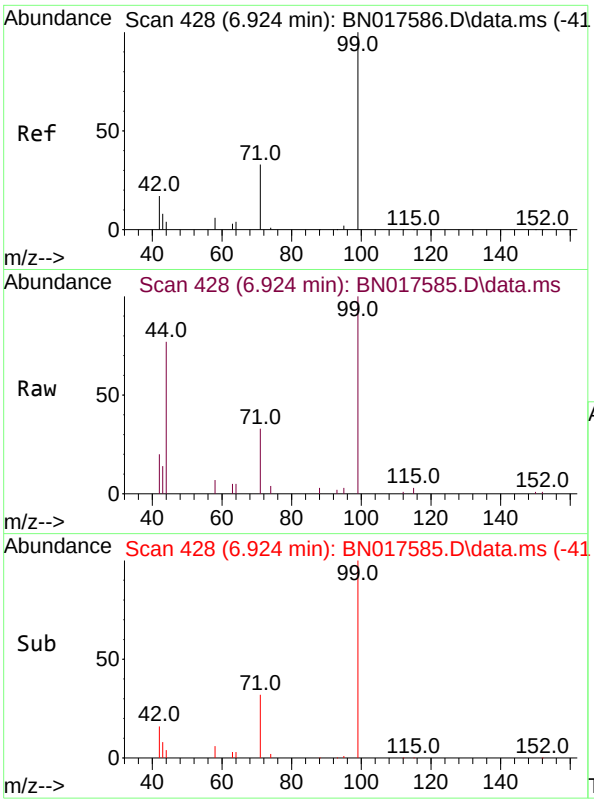


#4
2-Fluorophenol
Concen: 0.204 ng
RT: 5.348 min Scan# 257
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:112 Resp: 10900

Ion	Ratio	Lower	Upper
112	100		
64	64.3	51.5	77.3
63	33.2	26.6	39.8



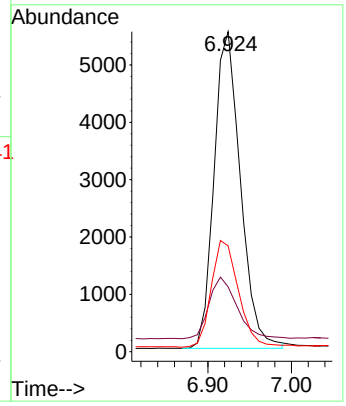


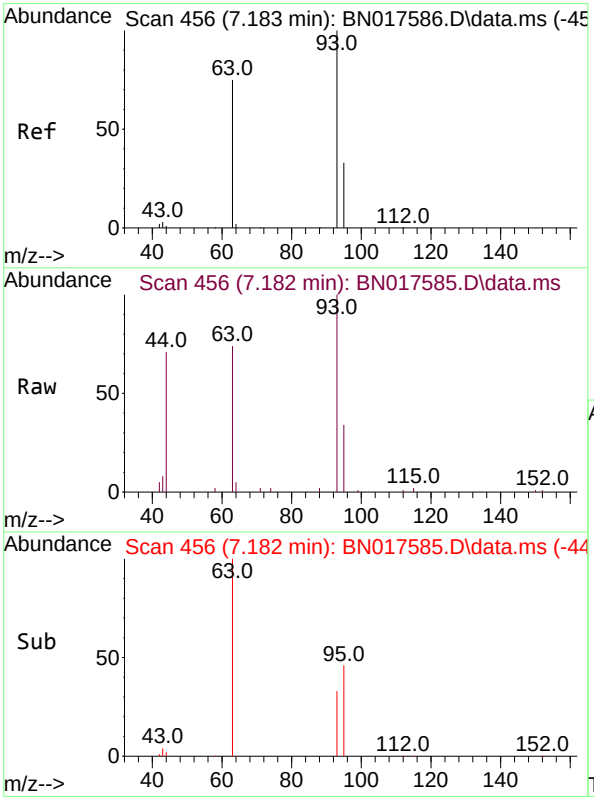
#5
Phenol-d6
Concen: 0.200 ng
RT: 6.924 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 12079

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.2	24.2
71	34.8	27.6	41.4

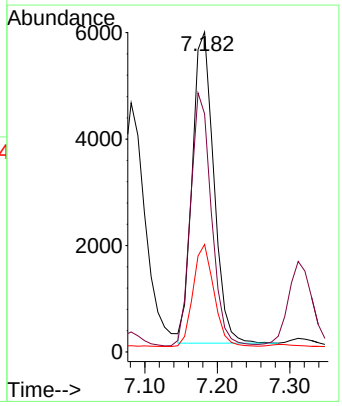


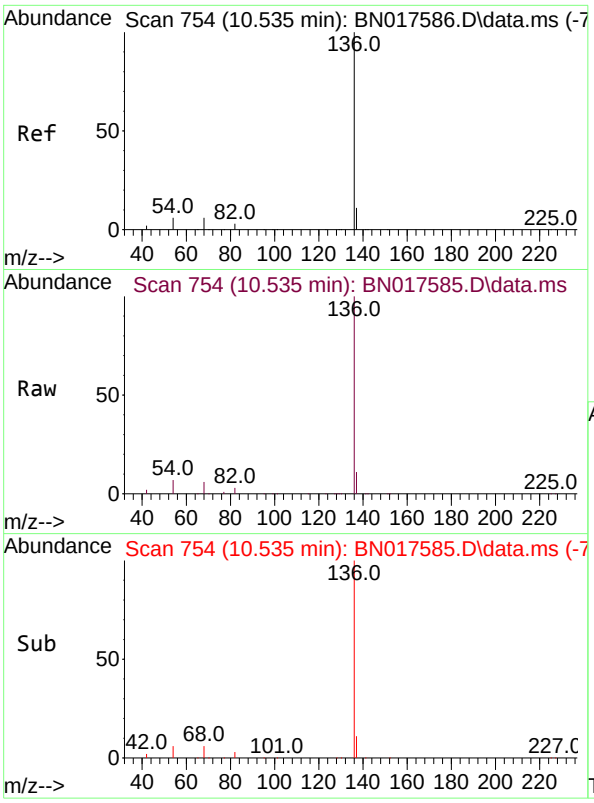


#6
bis(2-Chloroethyl)ether
Concen: 0.195 ng
RT: 7.182 min Scan# 456
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion: 93 Resp: 12009

Ion	Ratio	Lower	Upper
93	100		
63	79.3	63.0	94.6
95	32.1	25.6	38.4



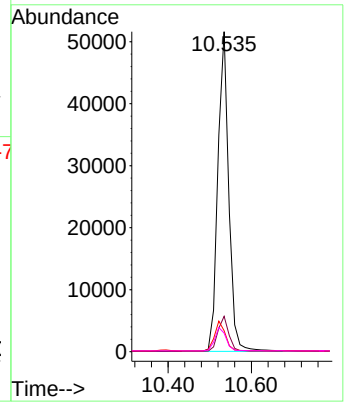


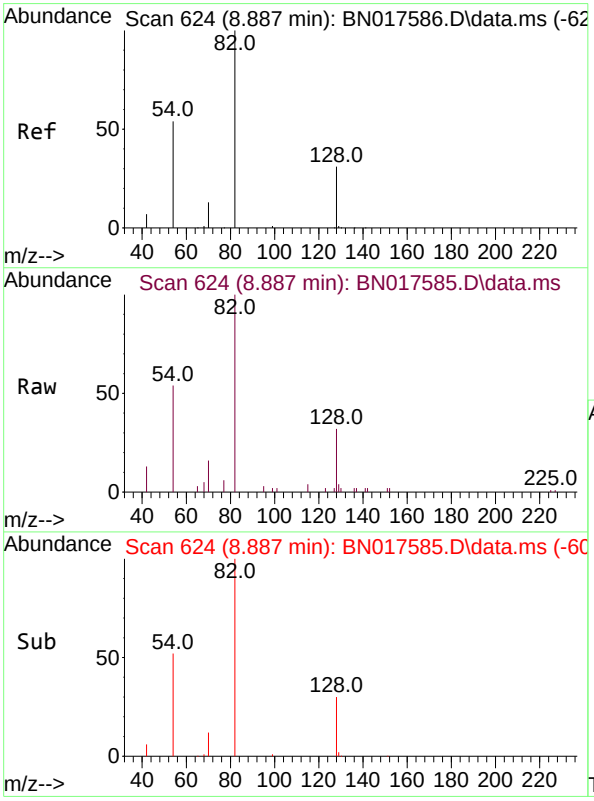
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.535 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 93671

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.6	5.2	7.8
68	5.8	4.6	6.8

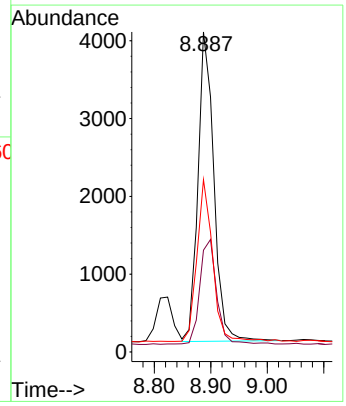


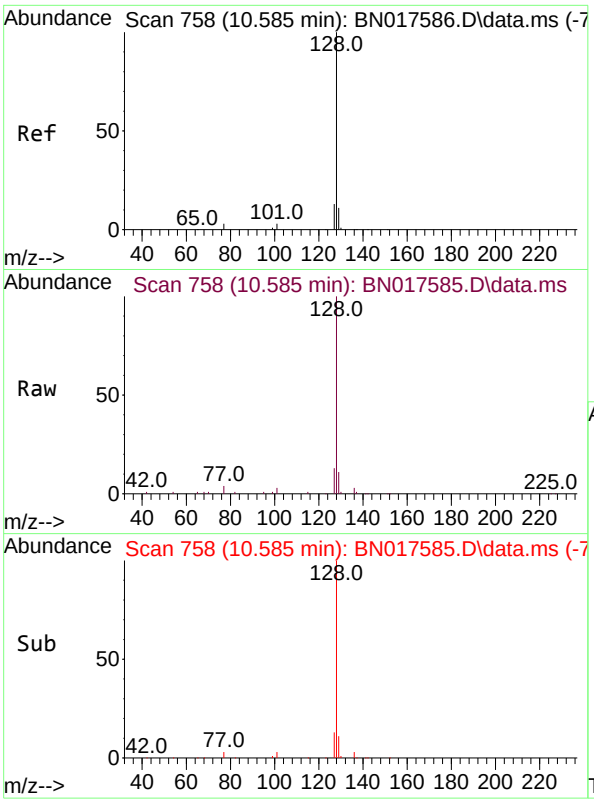


#8
Nitrobenzene-d5
Concen: 0.126 ng
RT: 8.887 min Scan# 624
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion: 82 Resp: 7764

Ion	Ratio	Lower	Upper
82	100		
128	31.8	25.3	37.9
54	53.9	43.7	65.5



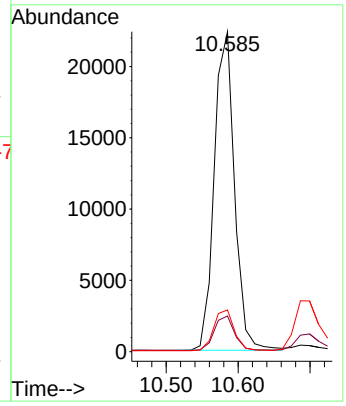


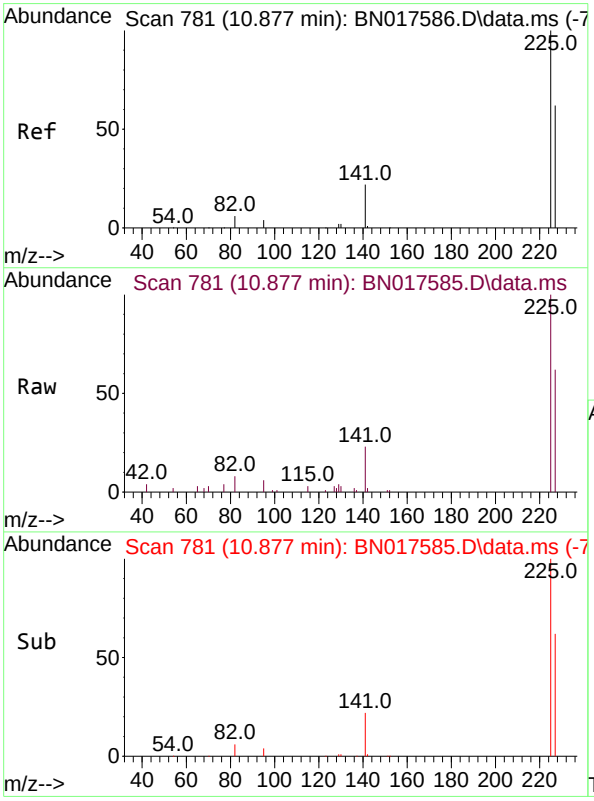
#9
Naphthalene
Concen: 0.184 ng
RT: 10.585 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 43680

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.1	10.2	15.4

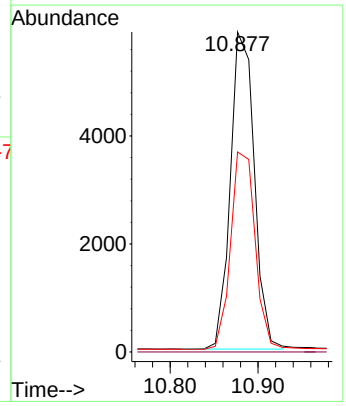


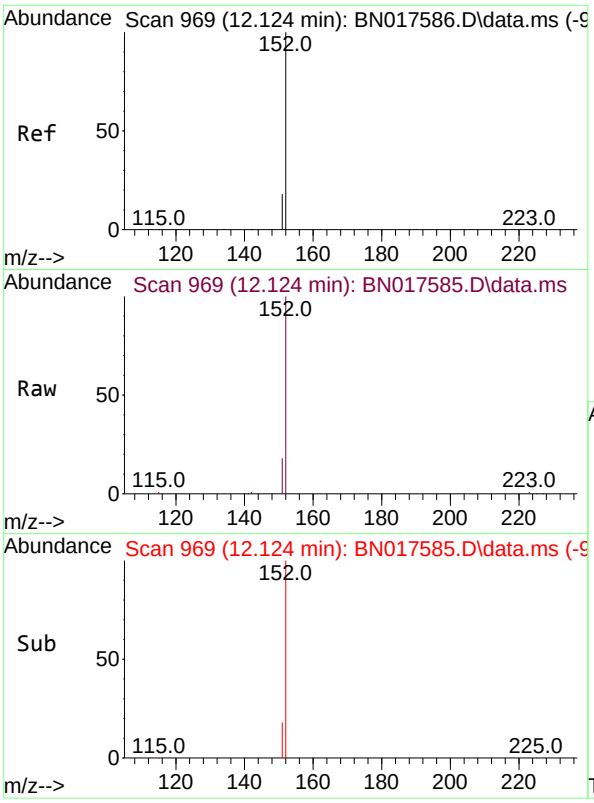


#10
Hexachlorobutadiene
Concen: 0.237 ng
RT: 10.877 min Scan# 781
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:225 Resp: 11109

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.1	76.7



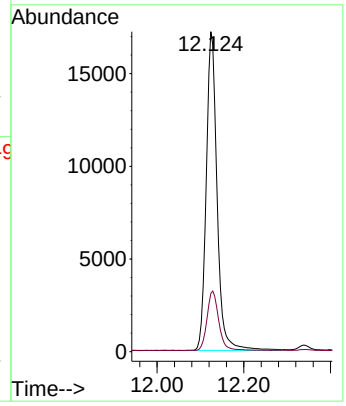


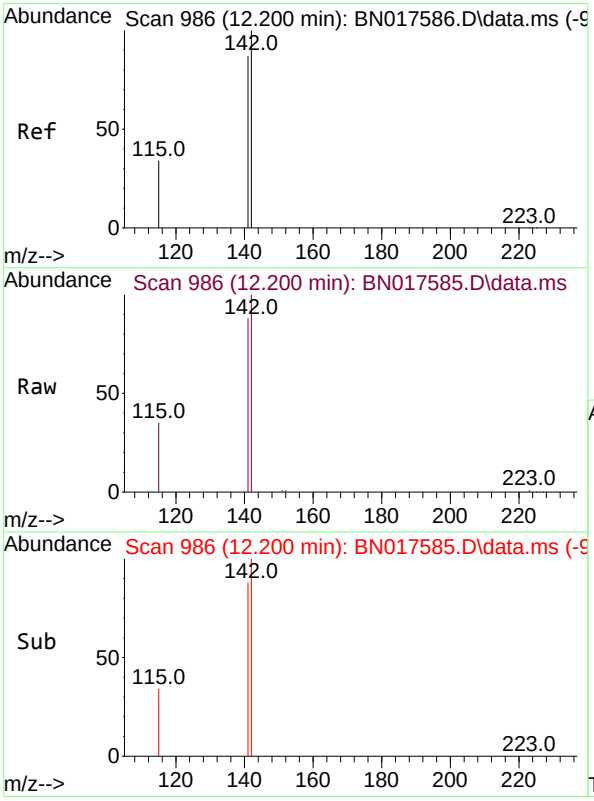
#11
2-Methylnaphthalene-d10
Concen: 0.191 ng
RT: 12.124 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 29856

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

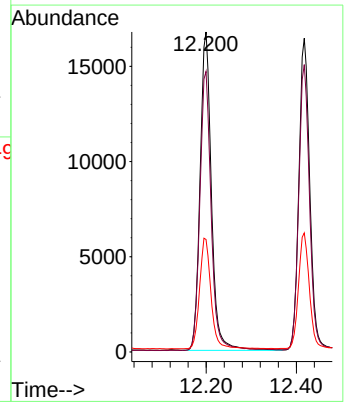


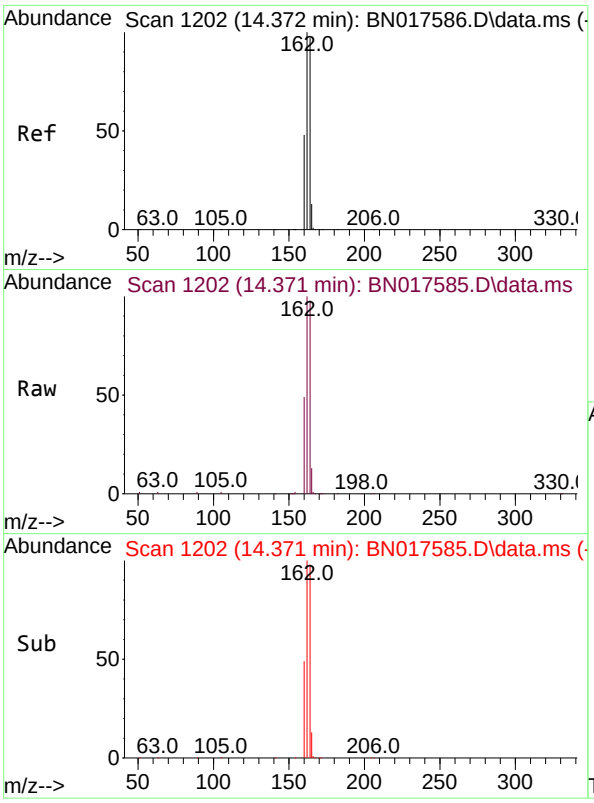


#12
2-Methylnaphthalene
Concen: 0.191 ng
RT: 12.200 min Scan# 986
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:142 Resp: 29197

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.4	104.0
115	35.2	27.8	41.6



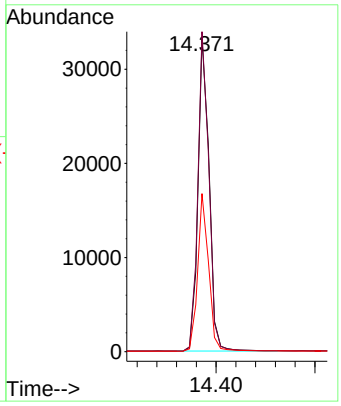


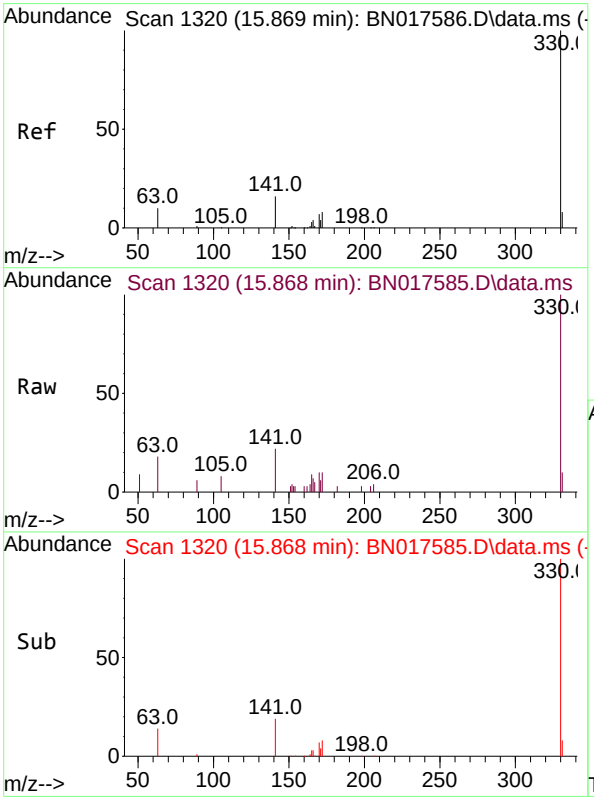
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 52140

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.5	123.7
160	50.4	39.6	59.4

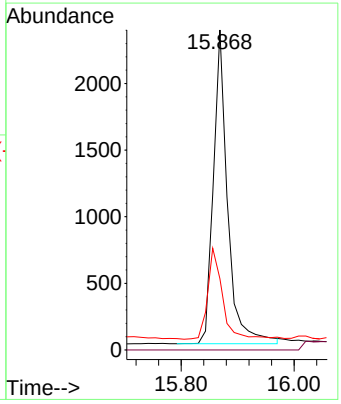


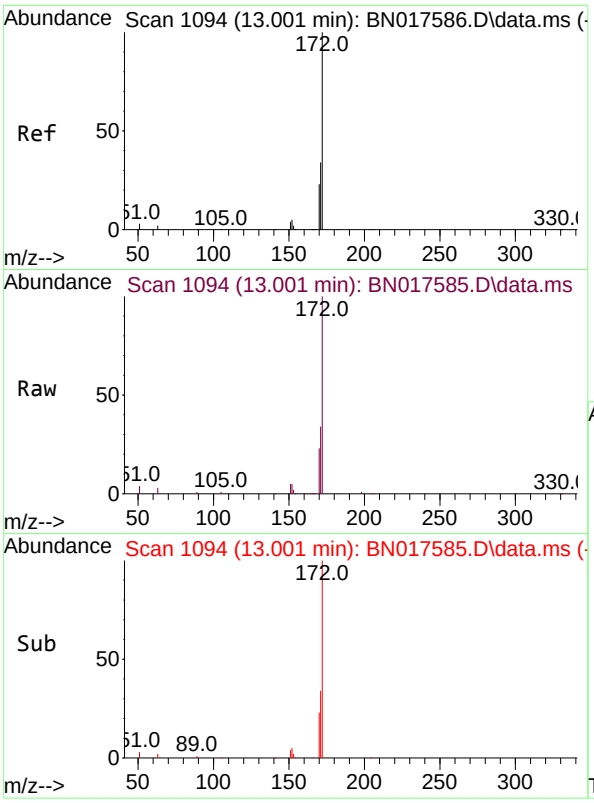


#14
2,4,6-Tribromophenol
Concen: 0.258 ng
RT: 15.868 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:330 Resp: 4133

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.8	24.1	36.1



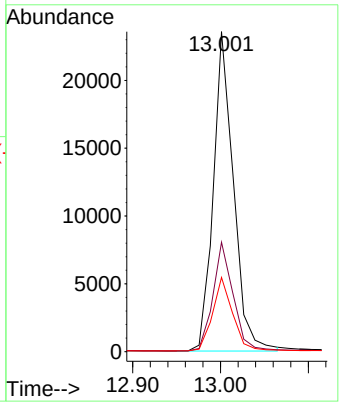


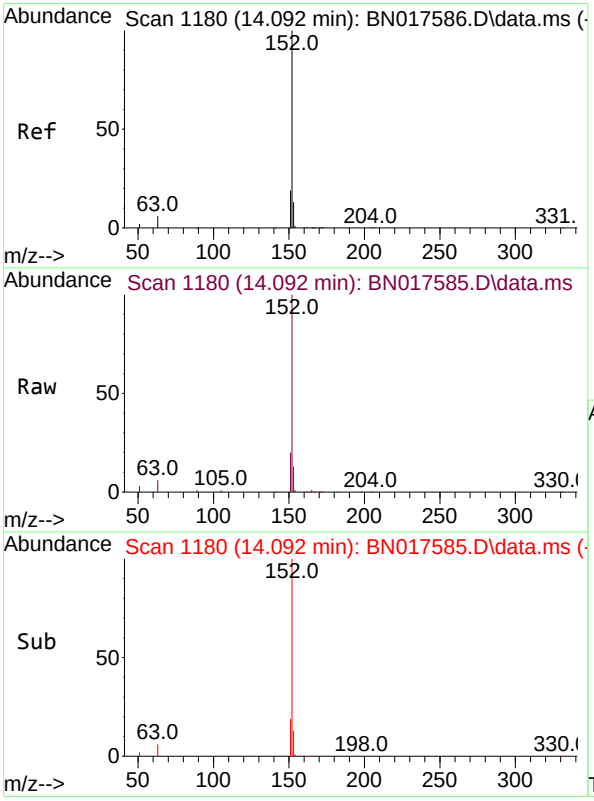
#15
2-Fluorobiphenyl
Concen: 0.193 ng
RT: 13.001 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 37528

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.6	41.4
170	23.2	18.3	27.5

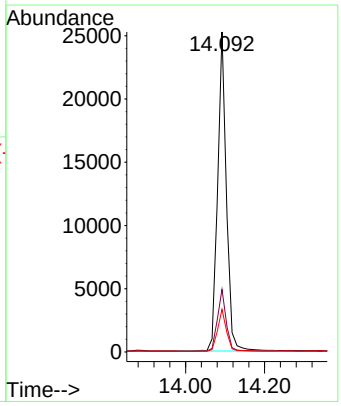


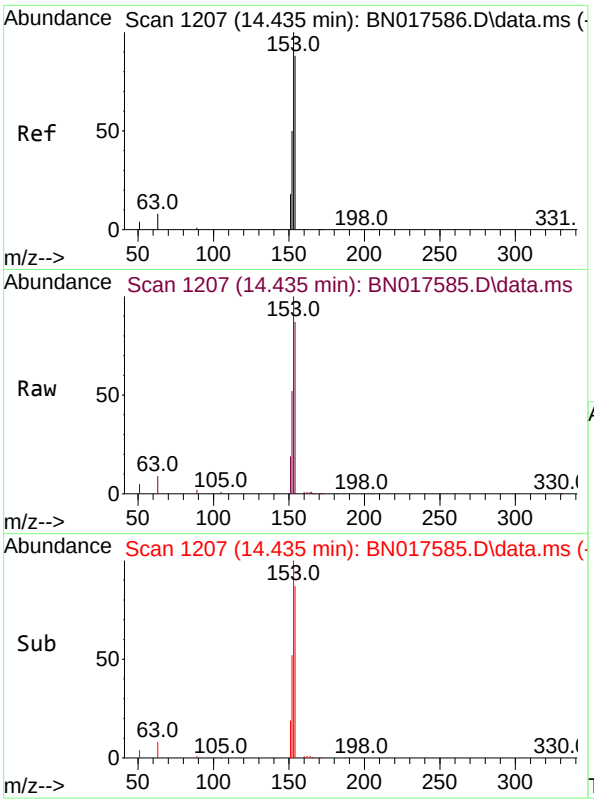


#16
Acenaphthylene
Concen: 0.186 ng
RT: 14.092 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:152 Resp: 38708

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.2	10.5	15.7





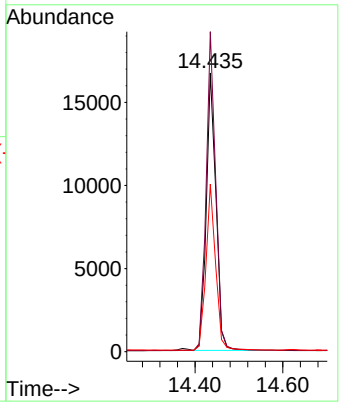
#17
Acenaphthene
Concen: 0.178 ng
RT: 14.435 min Scan# 1

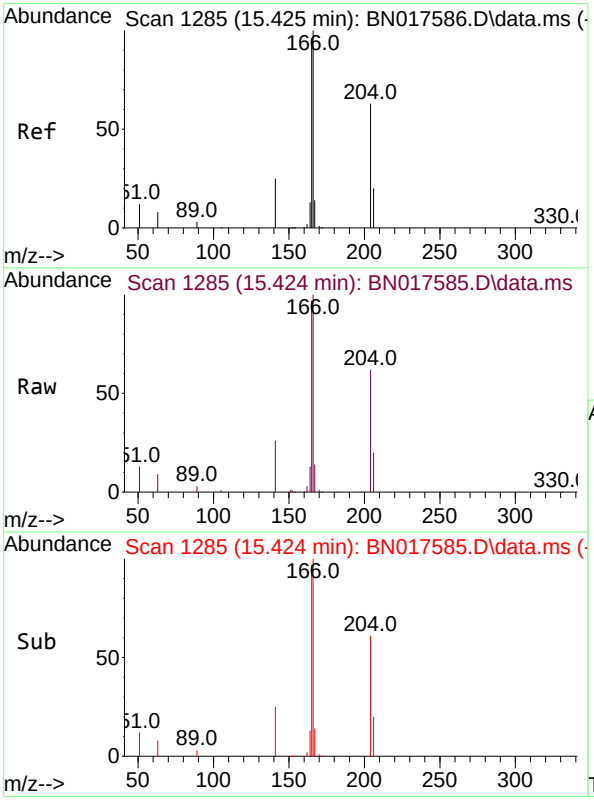
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:154 Resp: 25632

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.8	134.8
152	59.6	45.9	68.9

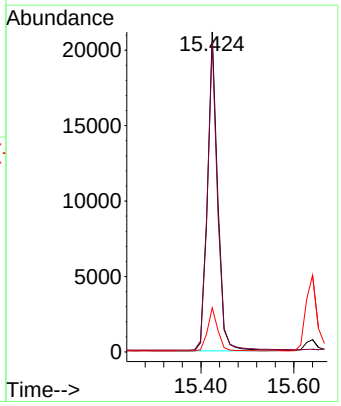


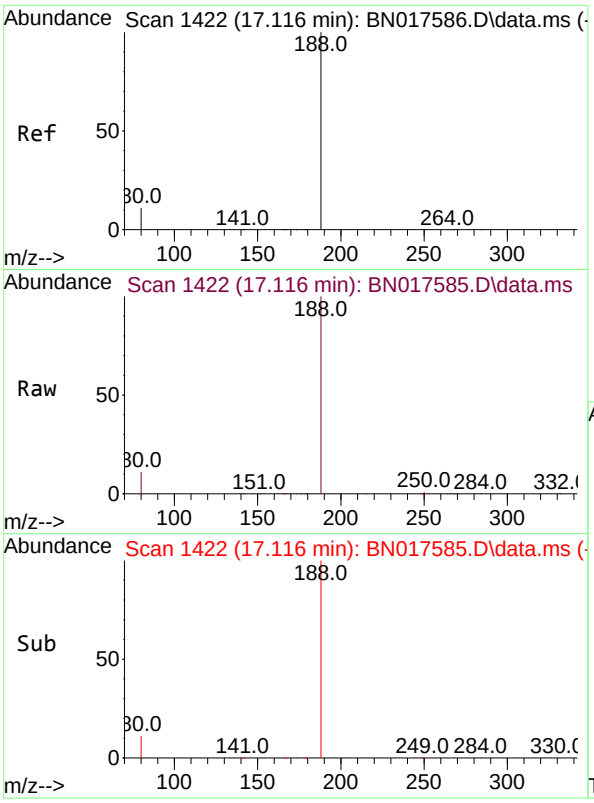


#18
Fluorene
Concen: 0.186 ng
RT: 15.424 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:166 Resp: 32139

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.6	116.4
167	13.6	10.9	16.3



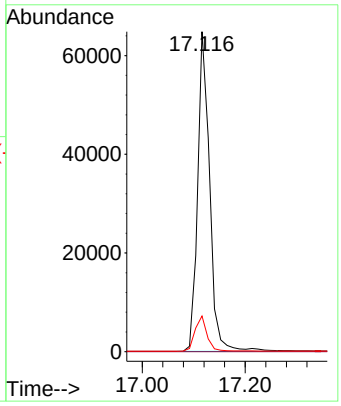


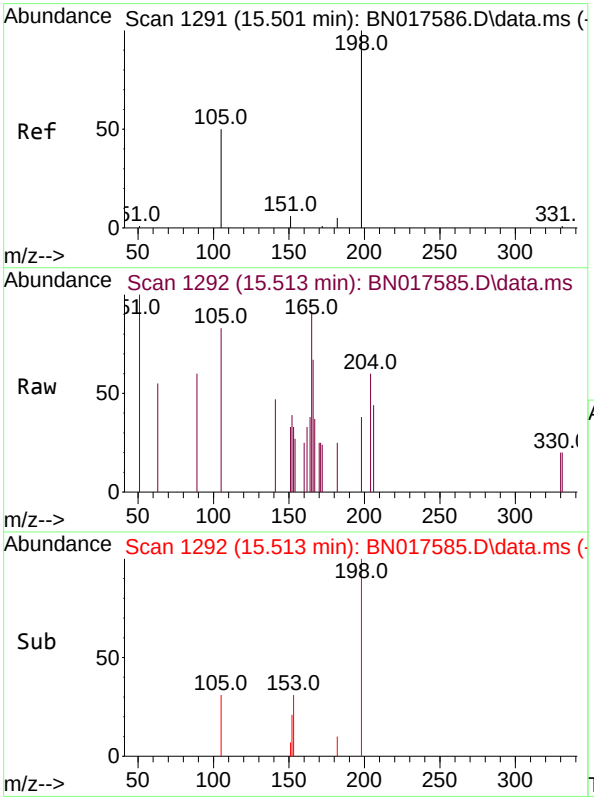
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 105170

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	9.0	13.4

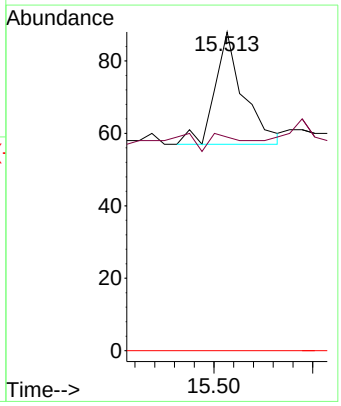


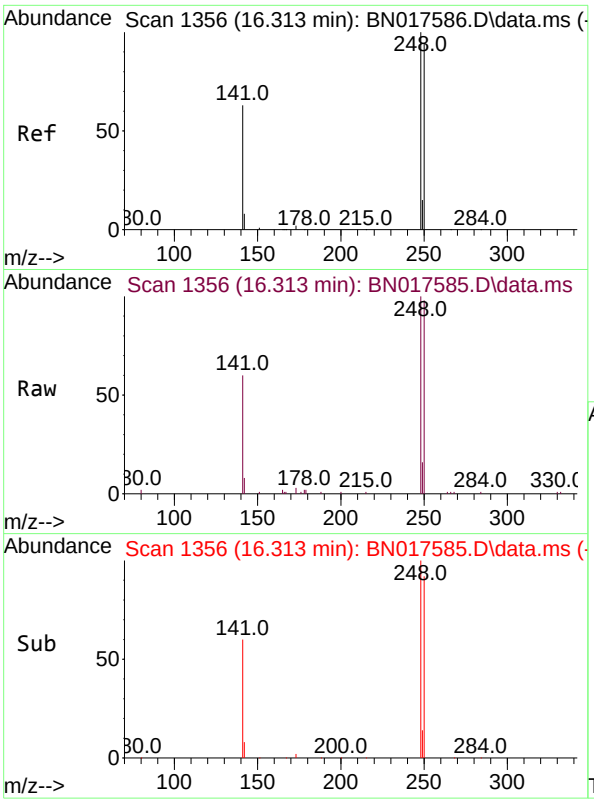


#20
4,6-Dinitro-2-methylphenol
Concen: 0.013 ng
RT: 15.513 min Scan# 1292
Delta R.T. 0.013 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:198 Resp: 62

Ion	Ratio	Lower	Upper
198	100		
182	67.0	33.1	49.7#
77	0.0	0.0	0.0



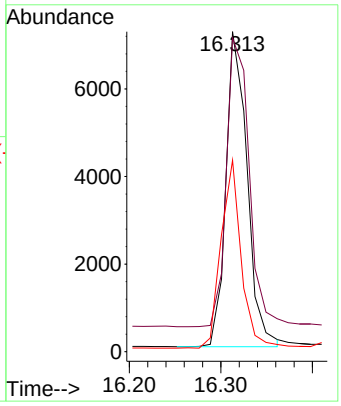


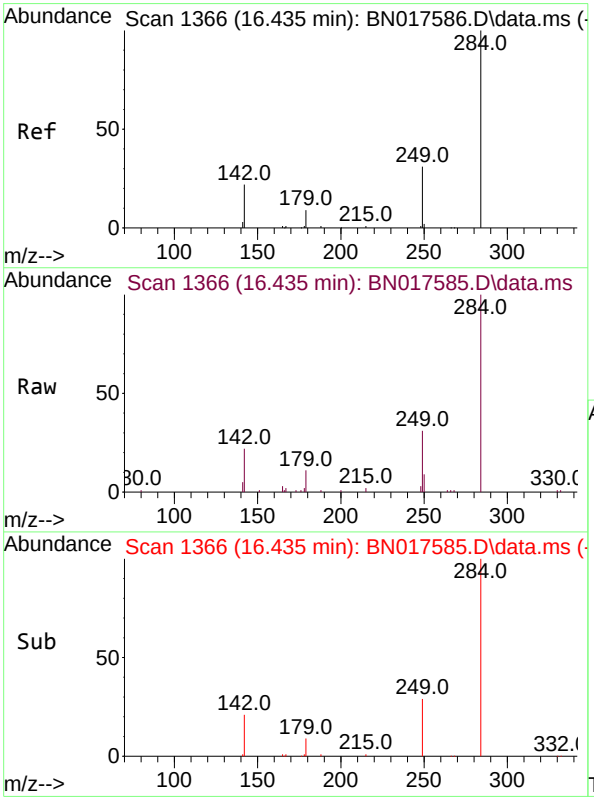
#21
4-Bromophenyl-phenylether
Concen: 0.200 ng
RT: 16.313 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 11554

Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.6	114.8
141	59.9	50.5	75.7

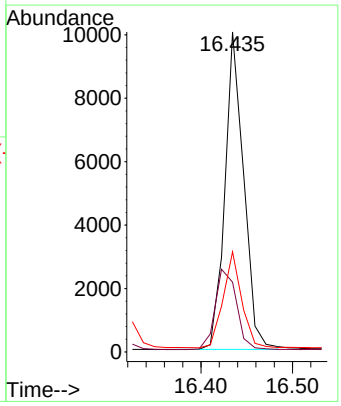


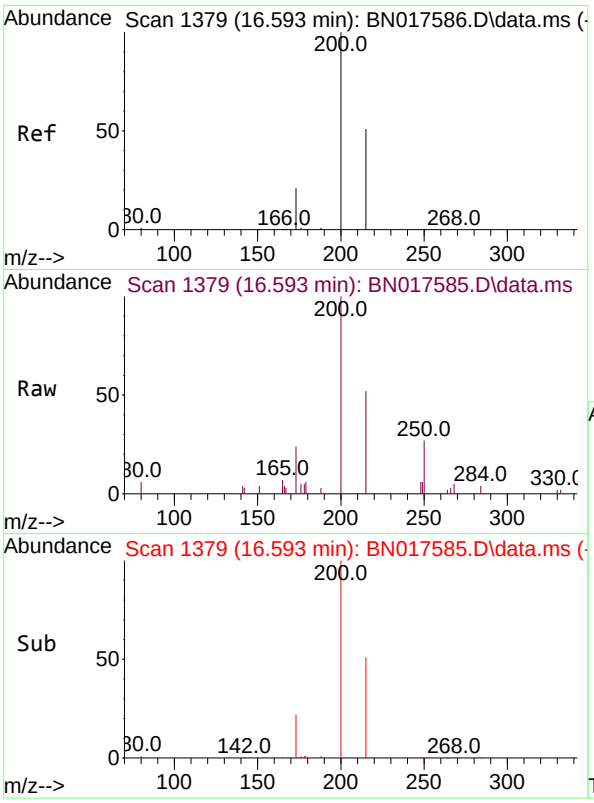


#22
Hexachlorobenzene
Concen: 0.228 ng
RT: 16.435 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:284 Resp: 14266

Ion	Ratio	Lower	Upper
284	100		
142	28.7	23.2	34.8
249	29.6	24.2	36.2



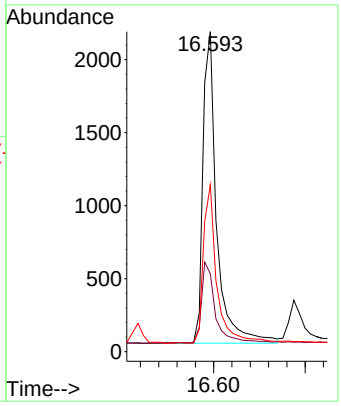


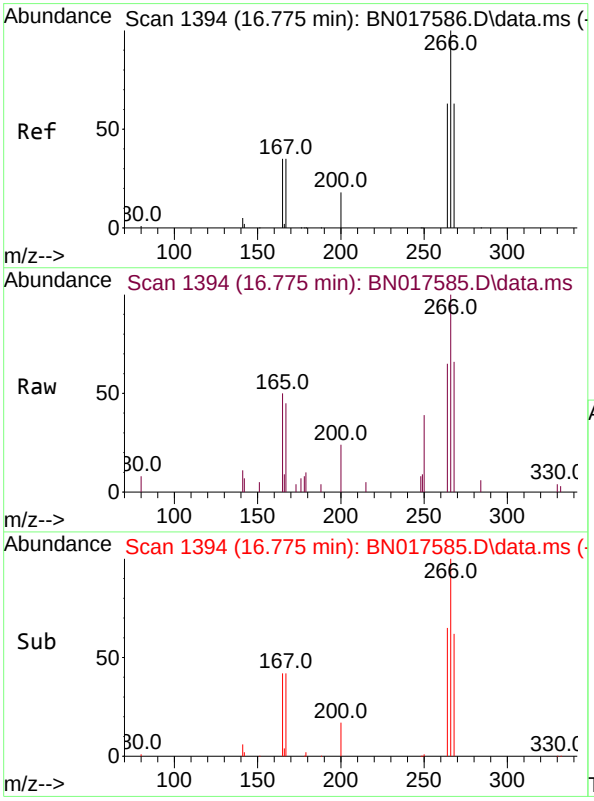
#23
Atrazine
Concen: 0.116 ng
RT: 16.593 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 4454

Ion	Ratio	Lower	Upper
200	100		
173	24.4	17.4	26.0
215	52.1	40.9	61.3

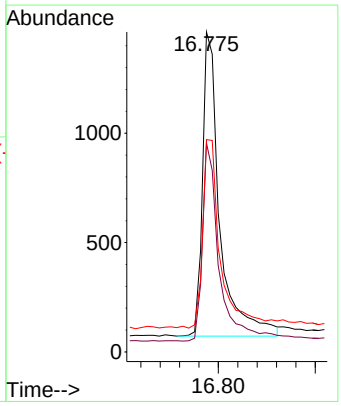


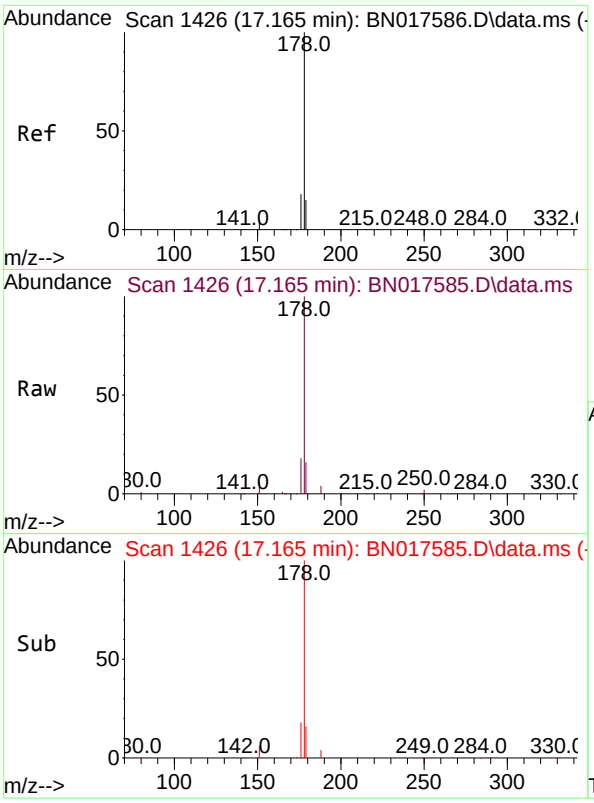


#24
Pentachlorophenol
Concen: 0.184 ng
RT: 16.775 min Scan# 1394
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:266 Resp: 3465

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.2	75.2
268	63.9	51.7	77.5



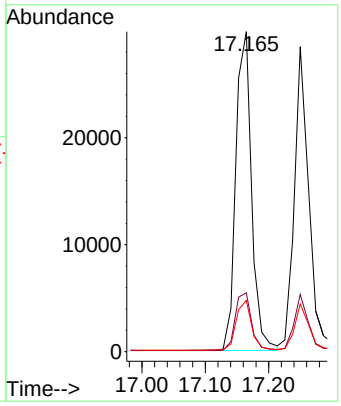


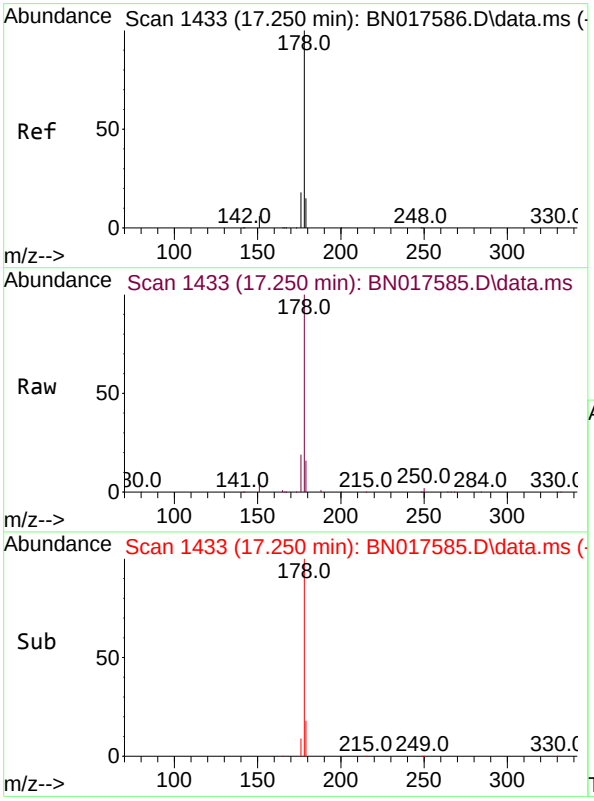
#25
Phenanthrene
Concen: 0.175 ng
RT: 17.165 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 51451

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.5	12.2	18.4

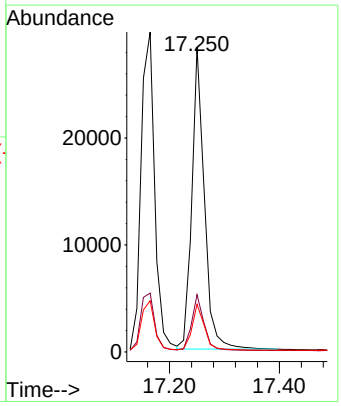


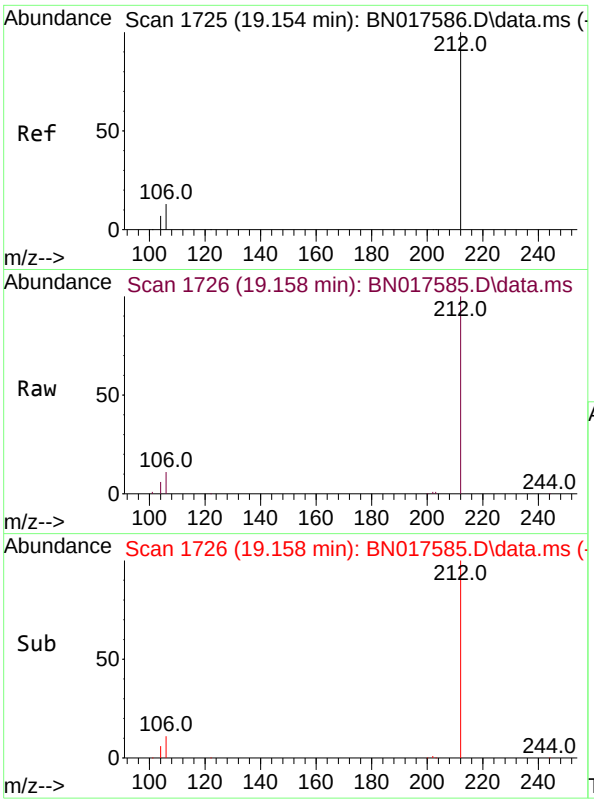


#26
Anthracene
Concen: 0.178 ng
RT: 17.250 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:178 Resp: 44772

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.1	12.2	18.4



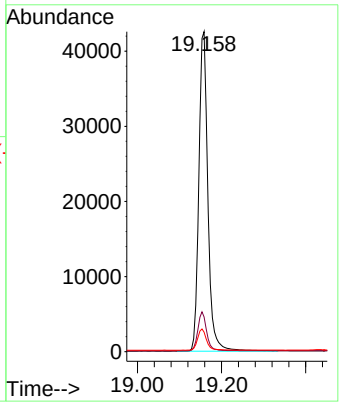


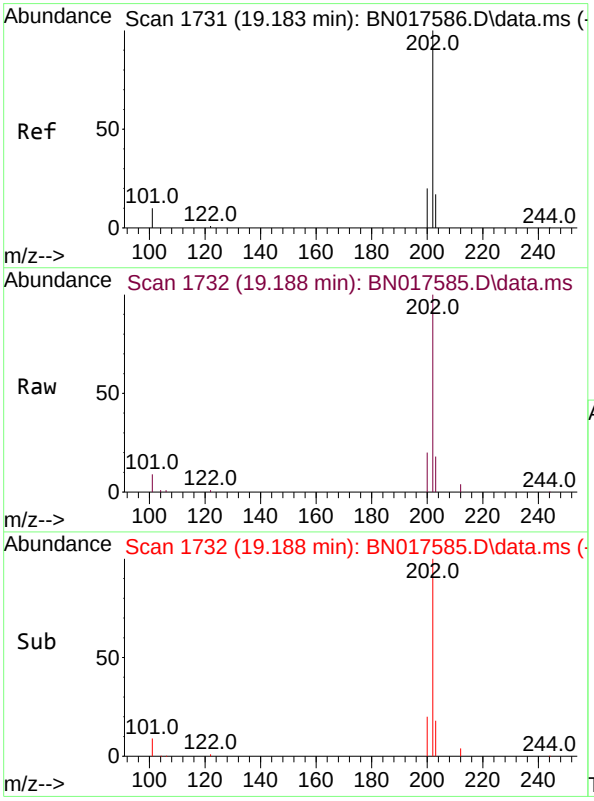
#27
Fluoranthene-d10
Concen: 0.197 ng
RT: 19.158 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 63609

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.6	14.4
104	6.6	5.3	7.9

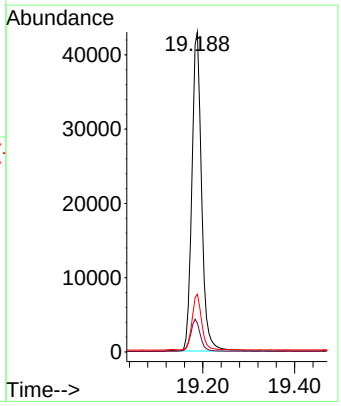


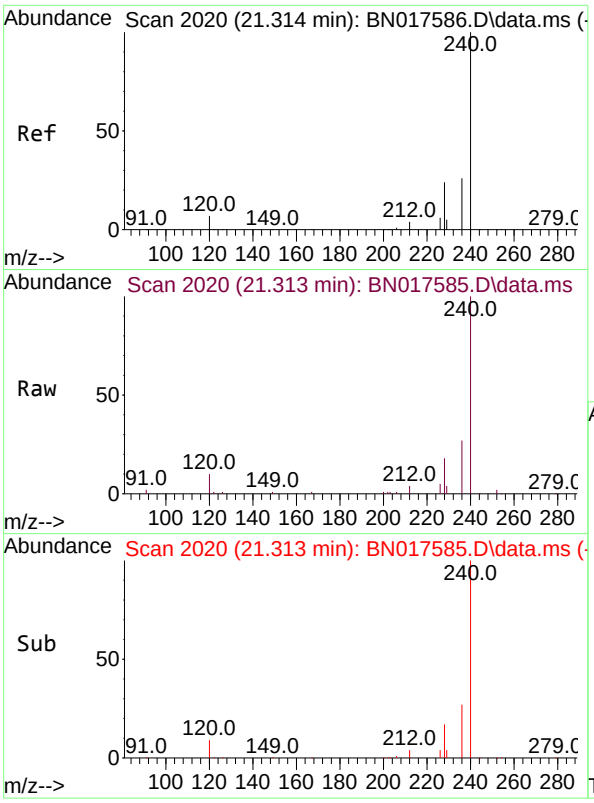


#28
Fluoranthene
Concen: 0.193 ng
RT: 19.188 min Scan# 1732
Delta R.T. 0.005 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:202 Resp: 62709

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.3	12.5
203	17.1	13.9	20.9



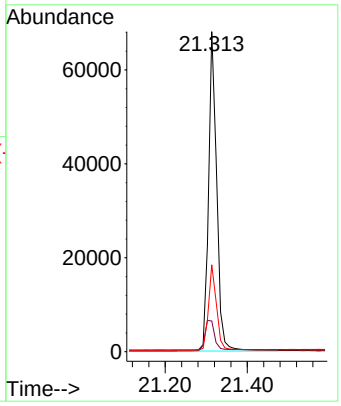


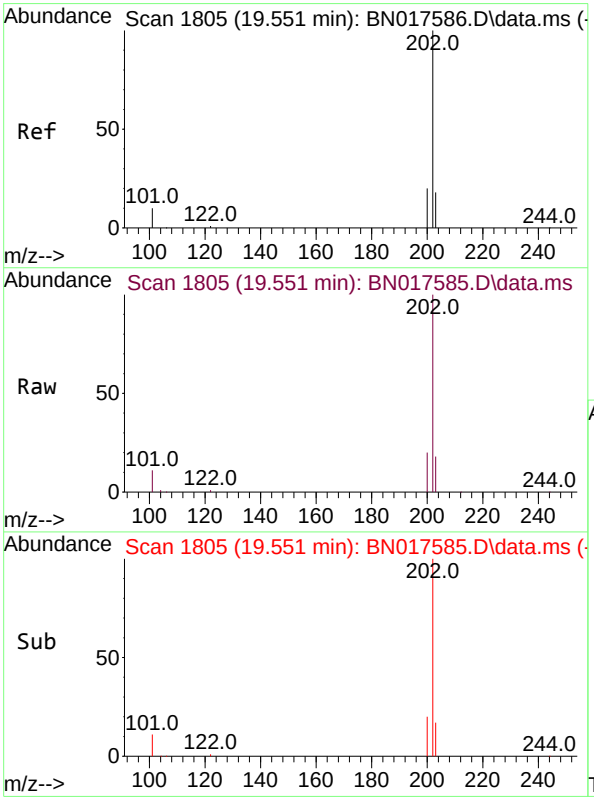
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 93795

Ion	Ratio	Lower	Upper
240	100		
120	9.6	6.1	9.1#
236	27.1	21.2	31.8

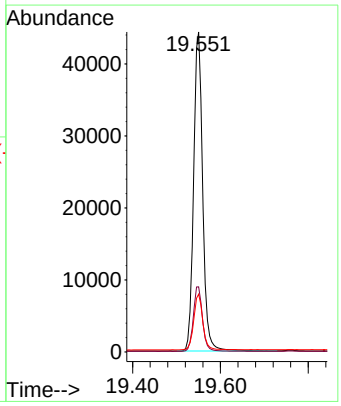


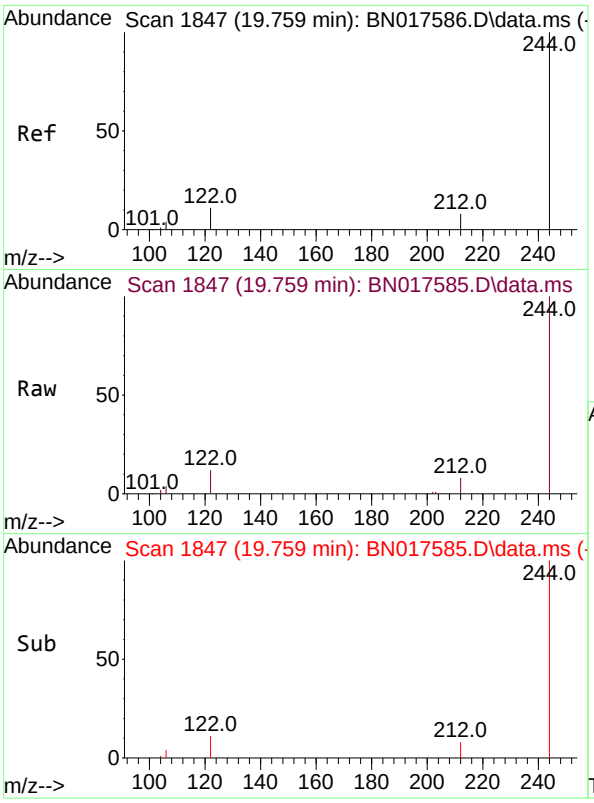


#30
Pyrene
Concen: 0.200 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:202 Resp: 63529

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	17.4	13.9	20.9



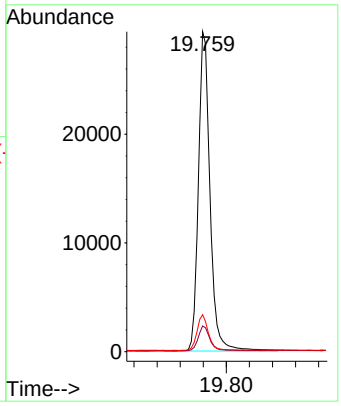


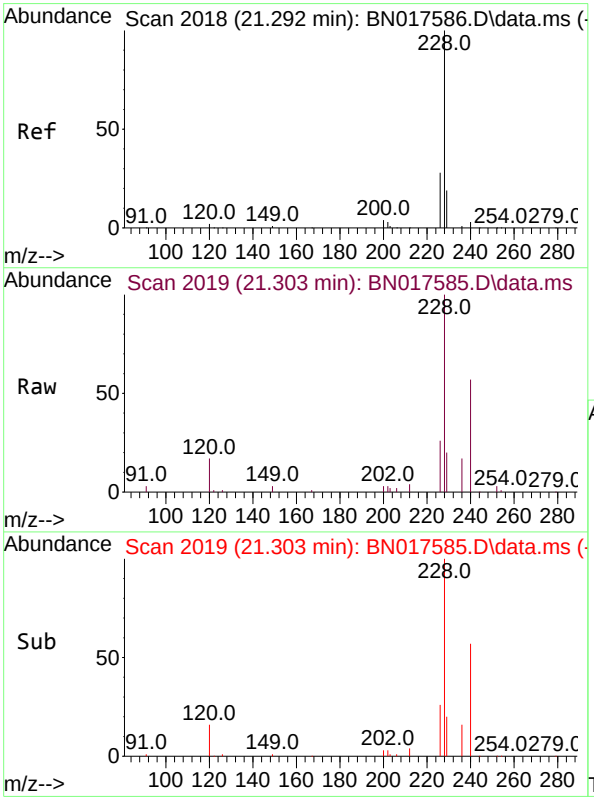
#31
Terphenyl-d14
Concen: 0.199 ng
RT: 19.759 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 40926

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	11.5	8.9	13.3

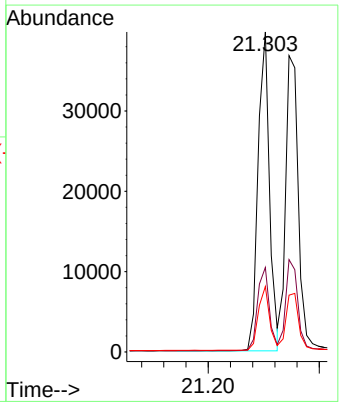


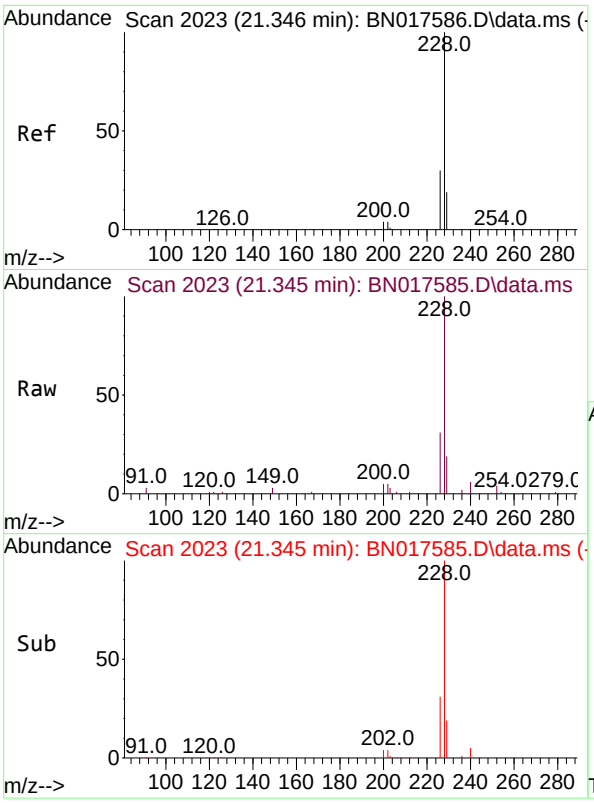


#32
Benzo(a)anthracene
Concen: 0.194 ng
RT: 21.303 min Scan# 2019
Delta R.T. 0.010 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:228 Resp: 56511

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.4	33.6
229	20.4	15.4	23.2



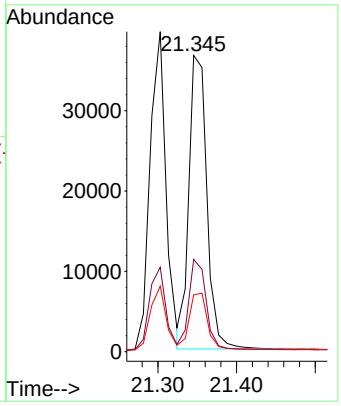


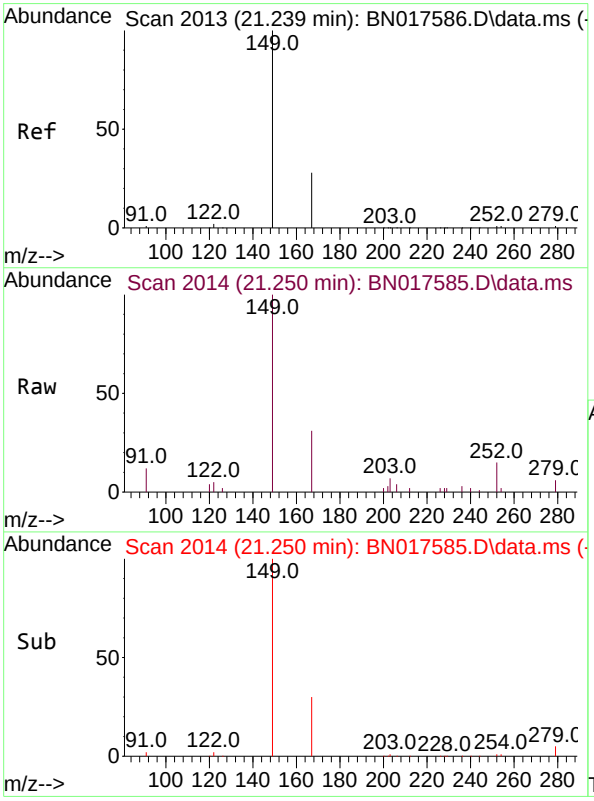
#33
Chrysene
Concen: 0.186 ng
RT: 21.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 58046

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	19.2	15.6	23.4

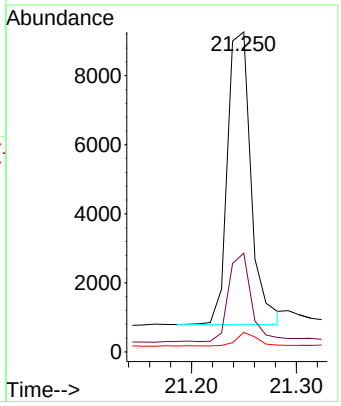


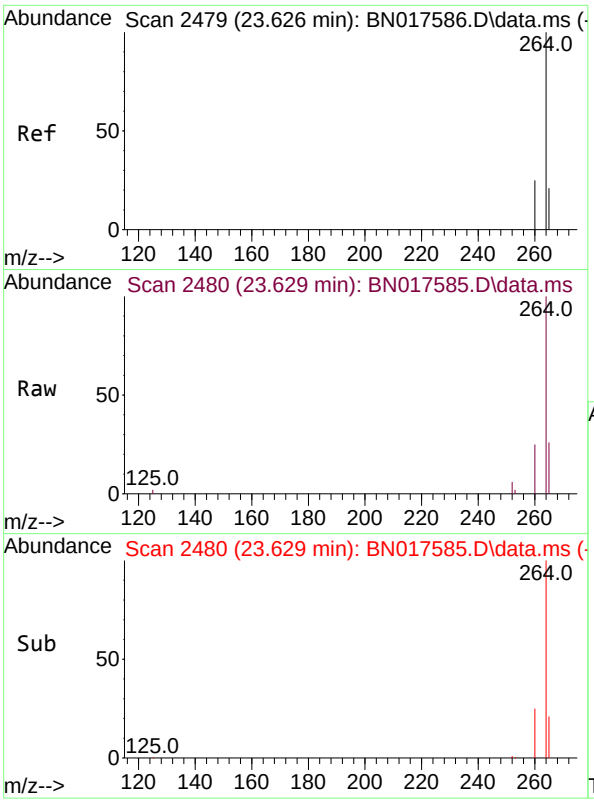


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.250 min Scan# 2014
Delta R.T. 0.010 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:149 Resp: 13186

Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.2	34.8
279	4.7	3.4	5.0



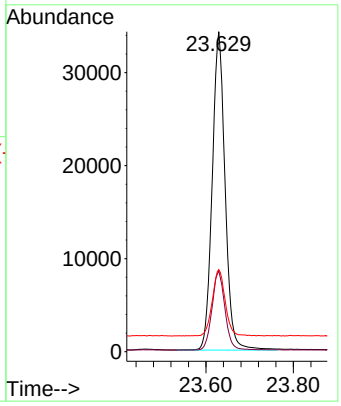


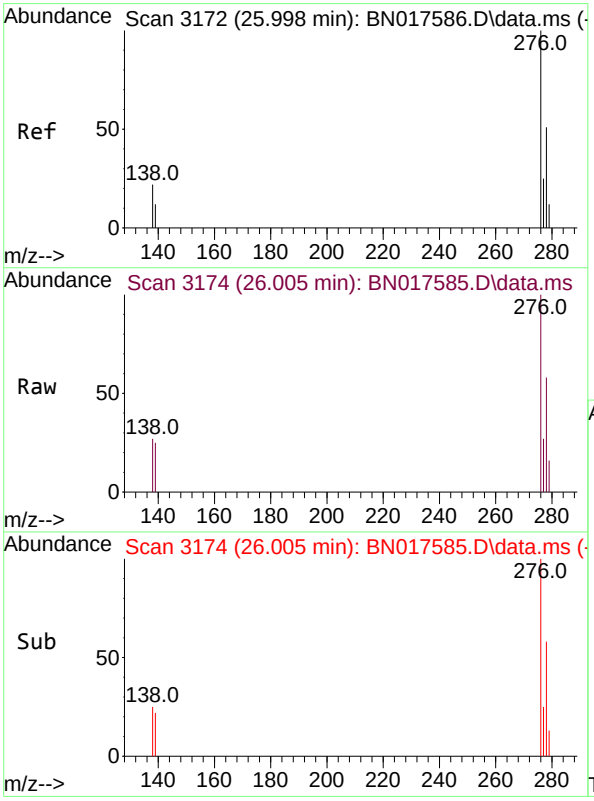
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.629 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 69689

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	25.6	20.6	30.8

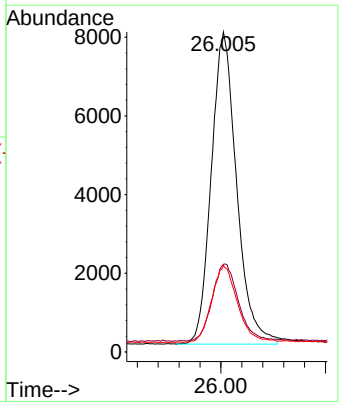


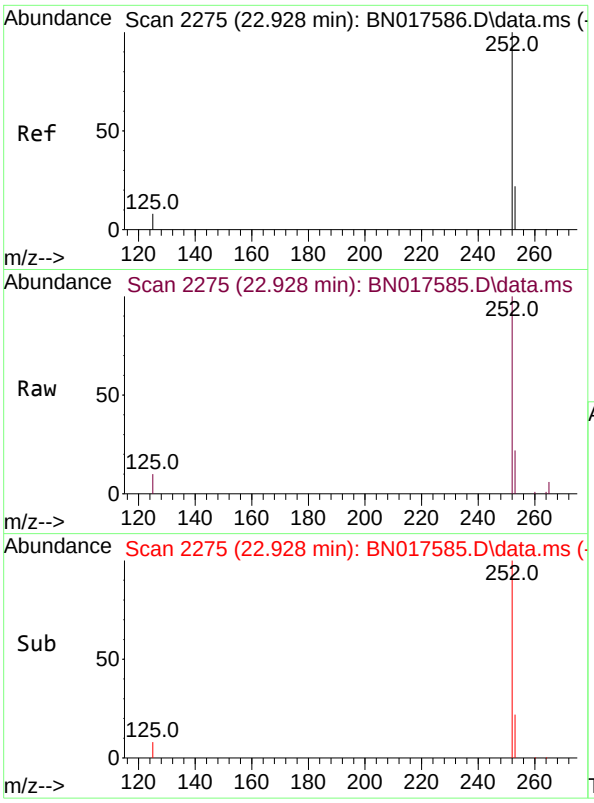


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.126 ng
RT: 26.005 min Scan# 3174
Delta R.T. 0.007 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:276 Resp: 26700

Ion	Ratio	Lower	Upper
276	100		
138	25.5	16.4	24.6#
277	25.0	17.9	26.9



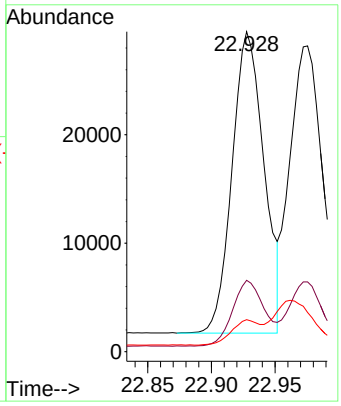


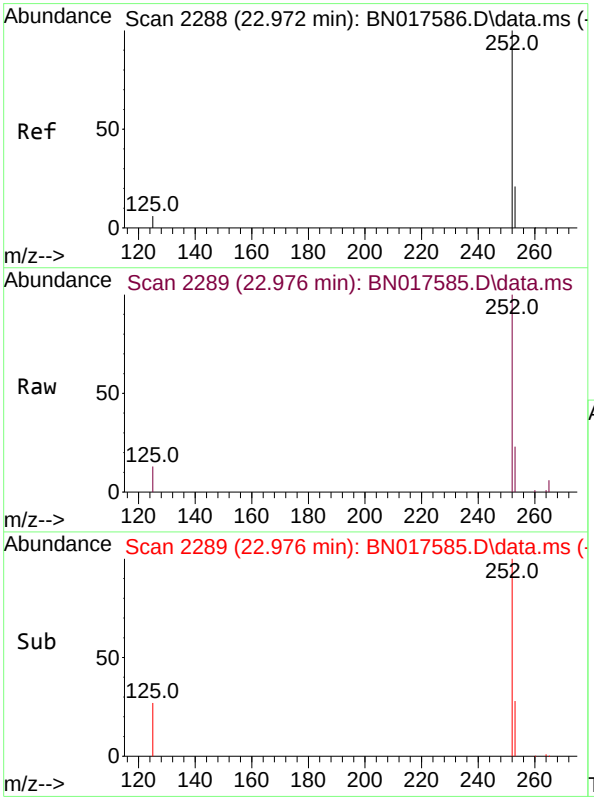
#37
Benzo(b)fluoranthene
Concen: 0.191 ng
RT: 22.928 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 48370

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.1	10.7

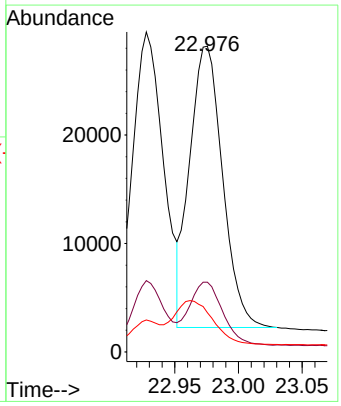


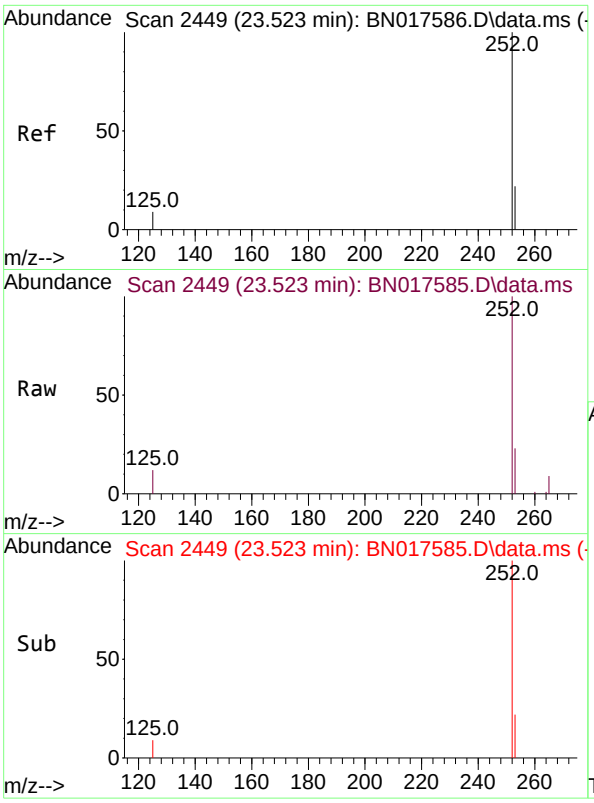


#38
Benzo(k)fluoranthene
Concen: 0.190 ng
RT: 22.976 min Scan# 2289
Delta R.T. 0.003 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:252 Resp: 46616

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.8	7.9	11.9#



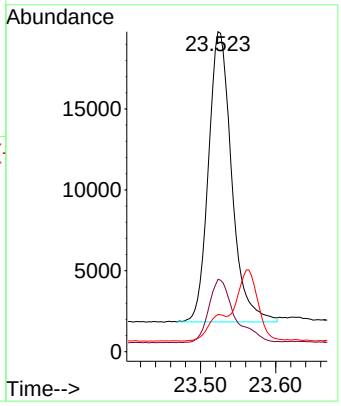


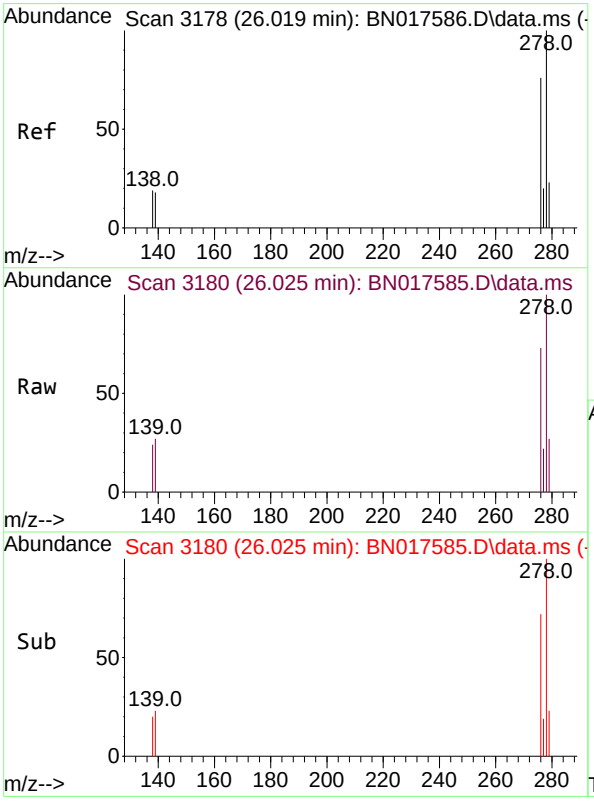
#39
Benzo(a)pyrene
Concen: 0.184 ng
RT: 23.523 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 38499

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.7	8.0	12.0

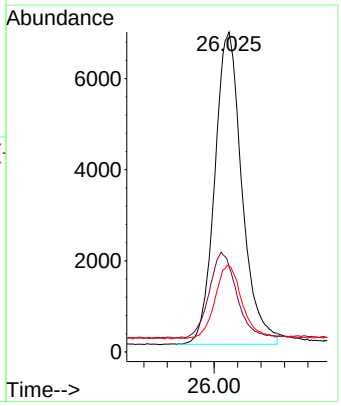


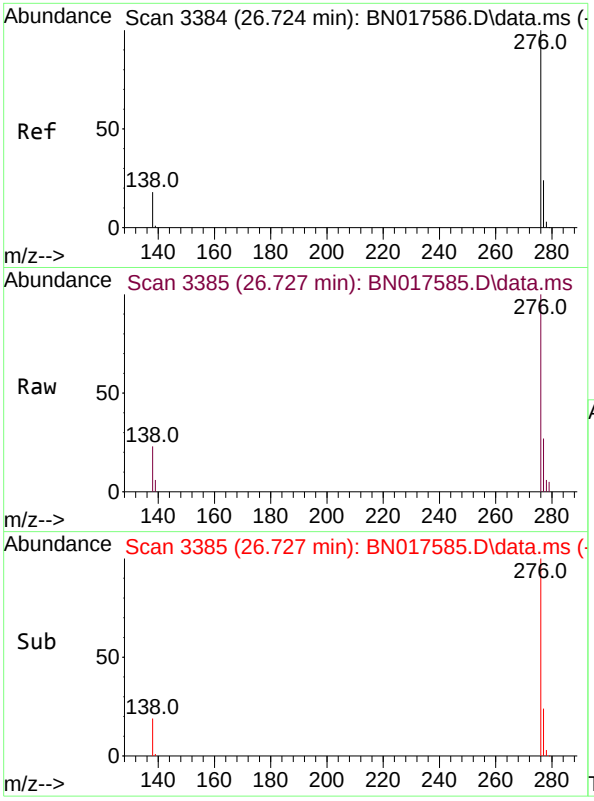


#40
Dibenzo(a,h)anthracene
Concen: 0.127 ng
RT: 26.025 min Scan# 3180
Delta R.T. 0.007 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Tgt Ion:278 Resp: 22124

Ion	Ratio	Lower	Upper
278	100		
139	26.7	15.2	22.8#
279	26.9	19.5	29.3





#41
Benzo(g,h,i)perylene
Concen: 0.111 ng
RT: 26.727 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN017585.D
Acq: 24 Nov 2021 17:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 20238

Ion	Ratio	Lower	Upper
276	100		
277	26.9	20.0	30.0
138	22.6	15.7	23.5