Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112521\
Data File : BN017587.D
Acq On : 24 Nov 2021 19:04
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 25 02:37:59 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

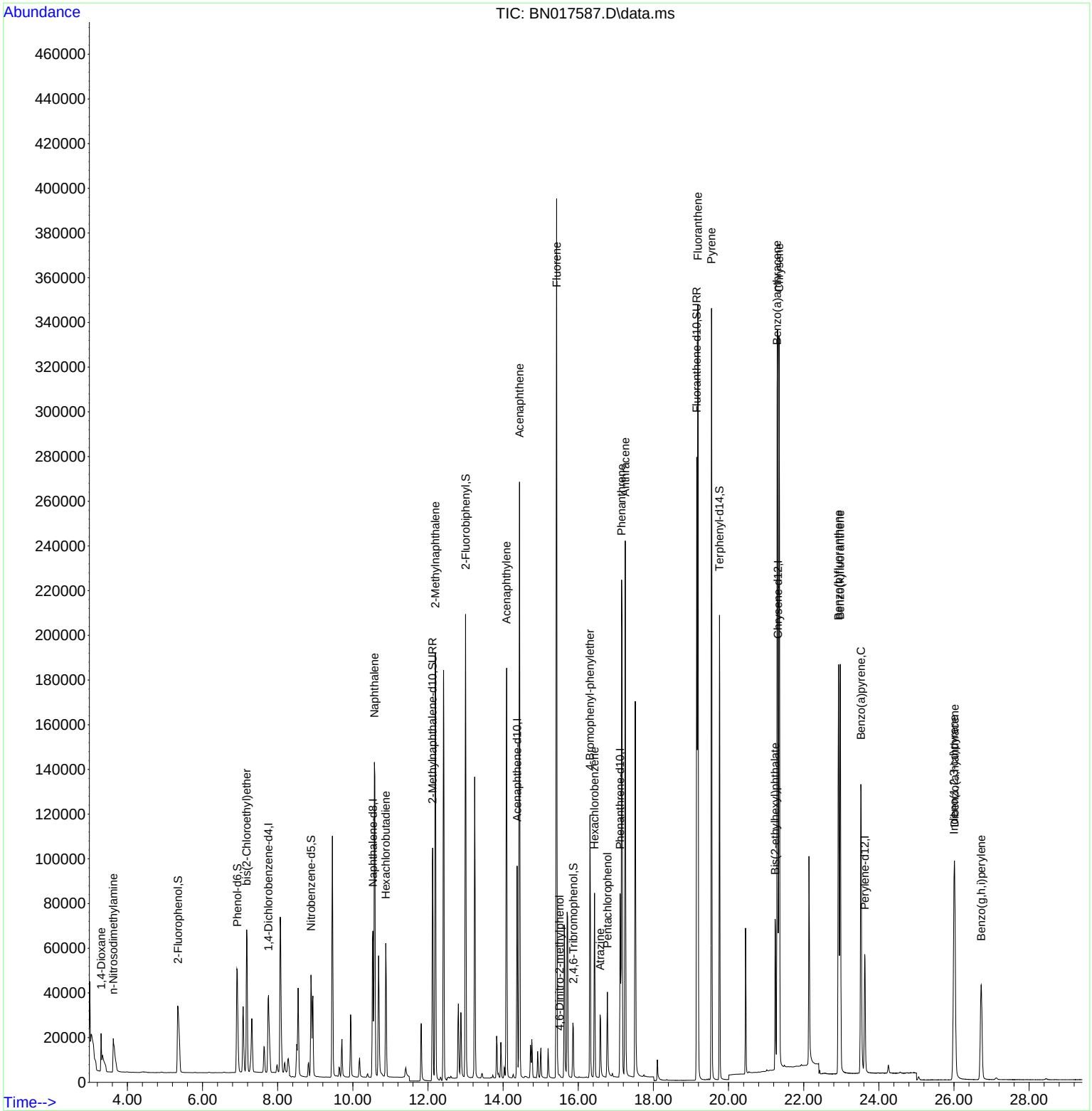
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.755	152	21871	0.400	ng		0.00
7) Naphthalene-d8	10.535	136	94453	0.400	ng		0.00
13) Acenaphthene-d10	14.372	164	52995	0.400	ng		0.00
19) Phenanthrene-d10	17.117	188	108146	0.400	ng		0.00
29) Chrysene-d12	21.314	240	101866	0.400	ng		0.00
35) Perylene-d12	23.626	264	71456	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.348	112	50836	0.938	ng		0.00
5) Phenol-d6	6.925	99	57497	0.940	ng		0.00
8) Nitrobenzene-d5	8.887	82	40073	0.644	ng		0.00
11) 2-Methylnaphthalene-d10	12.124	152	144248	0.917	ng		0.00
14) 2,4,6-Tribromophenol	15.869	330	23499	1.444	ng		0.00
15) 2-Fluorobiphenyl	13.002	172	180424	0.914	ng		0.00
27) Fluoranthene-d10	19.154	212	321677	0.967	ng		0.00
31) Terphenyl-d14	19.759	244	209341	0.935	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.301	88	9469	0.903	ng	#	100
3) n-Nitrosodimethylamine	3.624	42	19628	0.910	ng	#	67
6) bis(2-Chloroethyl)ether	7.174	93	57531	0.922	ng		100
9) Naphthalene	10.573	128	208341	0.869	ng		99
10) Hexachlorobutadiene	10.877	225	52373	1.108	ng	#	100
12) 2-Methylnaphthalene	12.196	142	139790	0.907	ng		98
16) Acenaphthylene	14.093	152	196932	0.931	ng		100
17) Acenaphthene	14.435	154	126346	0.865	ng		99
18) Fluorene	15.425	166	162278	0.922	ng		100
20) 4,6-Dinitro-2-methylph...	15.501	198	687	0.136	ng	#	67
21) 4-Bromophenyl-phenylether	16.313	248	60225	1.014	ng		93
22) Hexachlorobenzene	16.435	284	68914	1.073	ng		100
23) Atrazine	16.581	200	30194	0.767	ng	#	92
24) Pentachlorophenol	16.776	266	21194	1.092	ng		99
25) Phenanthrene	17.153	178	263018	0.869	ng		100
26) Anthracene	17.250	178	243185	0.940	ng		100
28) Fluoranthene	19.184	202	320445	0.957	ng		100
30) Pyrene	19.546	202	320954	0.931	ng		100
32) Benzo(a)anthracene	21.293	228	294948	0.930	ng		99
33) Chrysene	21.346	228	288844	0.853	ng		99
34) Bis(2-ethylhexyl)phtha...	21.240	149	74863	0.612	ng		100
36) Indeno(1,2,3-cd)pyrene	26.002	276	132305	0.607	ng		96
37) Benzo(b)fluoranthene	22.928	252	250654	0.964	ng		100
38) Benzo(k)fluoranthene	22.973	252	229557	0.910	ng		99
39) Benzo(a)pyrene	23.524	252	193449	0.902	ng		99
40) Dibenzo(a,h)anthracene	26.019	278	111360	0.622	ng		97
41) Benzo(g,h,i)perylene	26.724	276	97855	0.524	ng		98

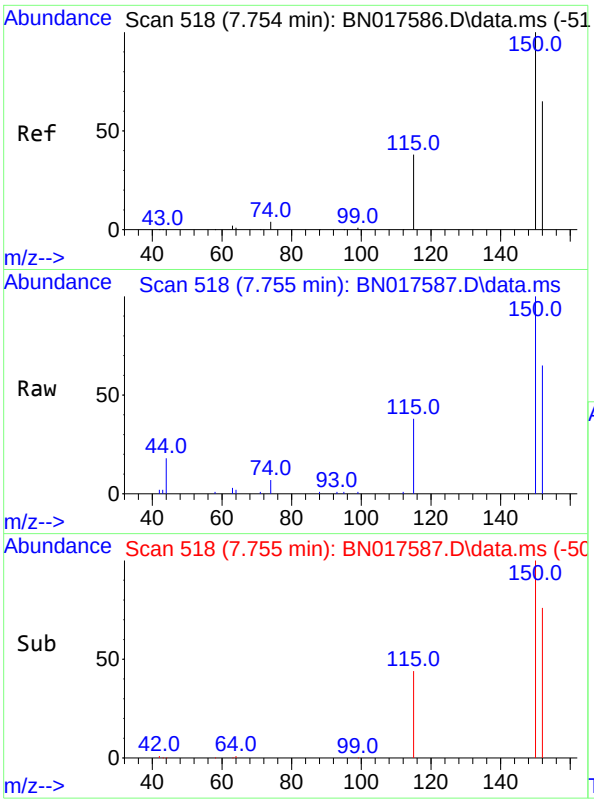
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112521\
Data File : BN017587.D
Acq On : 24 Nov 2021 19:04
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 25 02:37:59 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



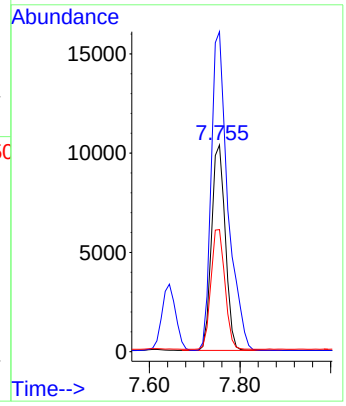


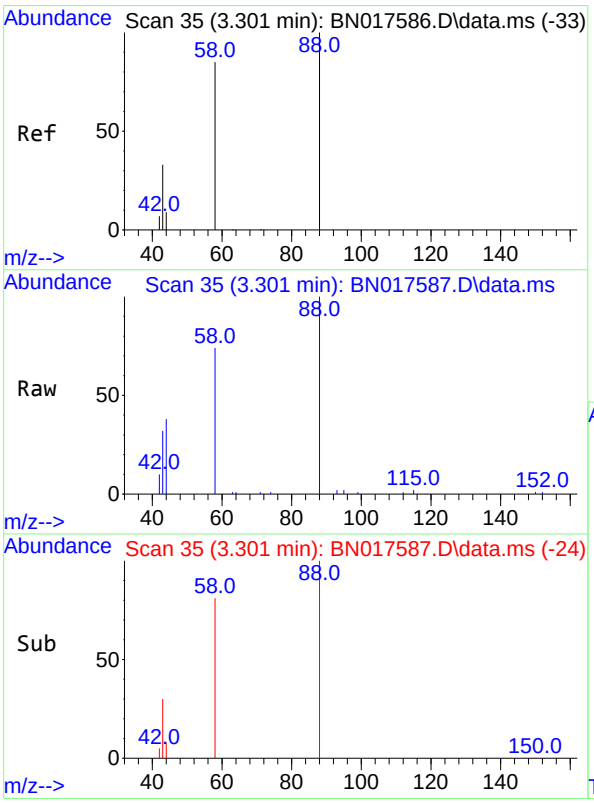
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.755 min Scan# 5
Delta R.T. 0.001 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 21871

Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.5	183.7
115	59.1	47.0	70.4

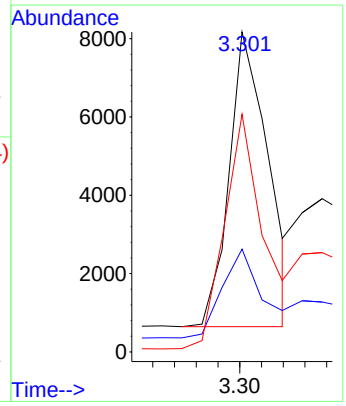


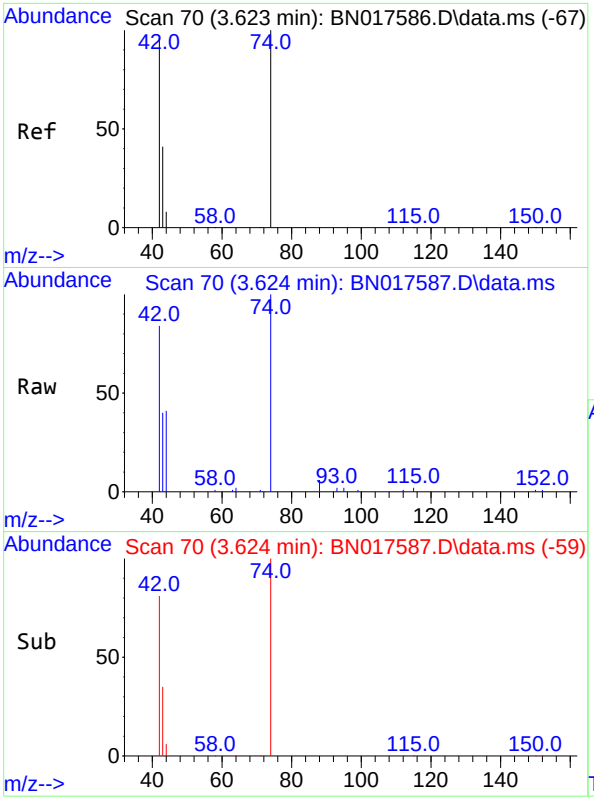


#2
1,4-Dioxane
Concen: 0.903 ng
RT: 3.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion: 88 Resp: 9469

Ion	Ratio	Lower	Upper
88	100		
43	31.2	0.0	0.0#
58	79.8	0.0	0.0#



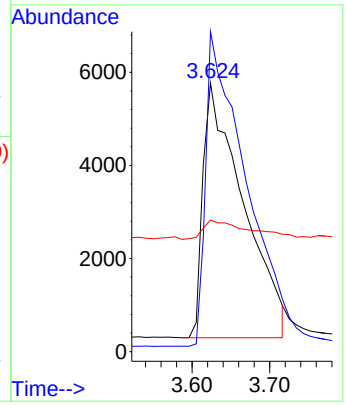


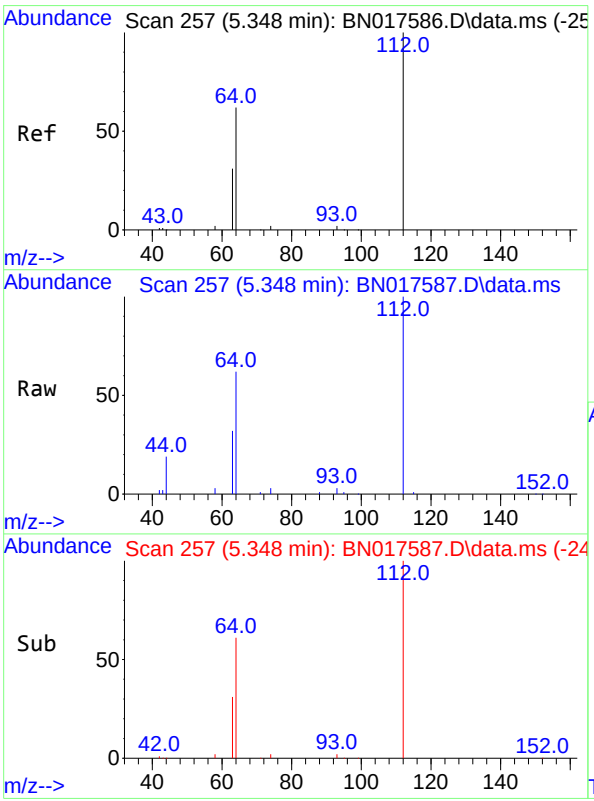
#3
n-Nitrosodimethylamine
Concen: 0.910 ng
RT: 3.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 19628

Ion	Ratio	Lower	Upper
42	100		
74	122.0	72.1	108.1#
44	8.4	2.6	4.0#

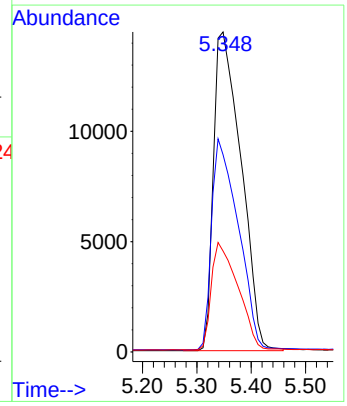


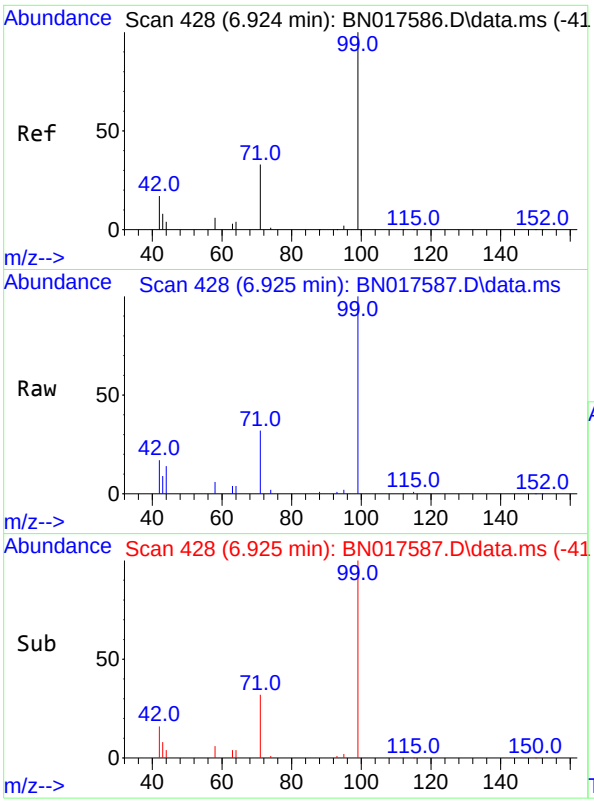


#4
2-Fluorophenol
Concen: 0.938 ng
RT: 5.348 min Scan# 257
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:112 Resp: 50836

Ion	Ratio	Lower	Upper
112	100		
64	64.0	51.5	77.3
63	32.6	26.6	39.8



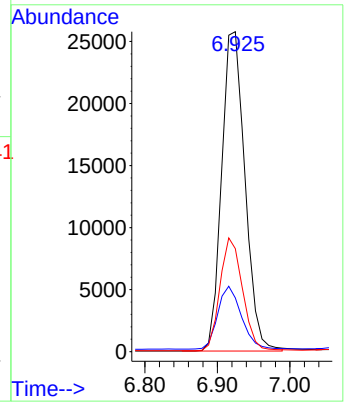


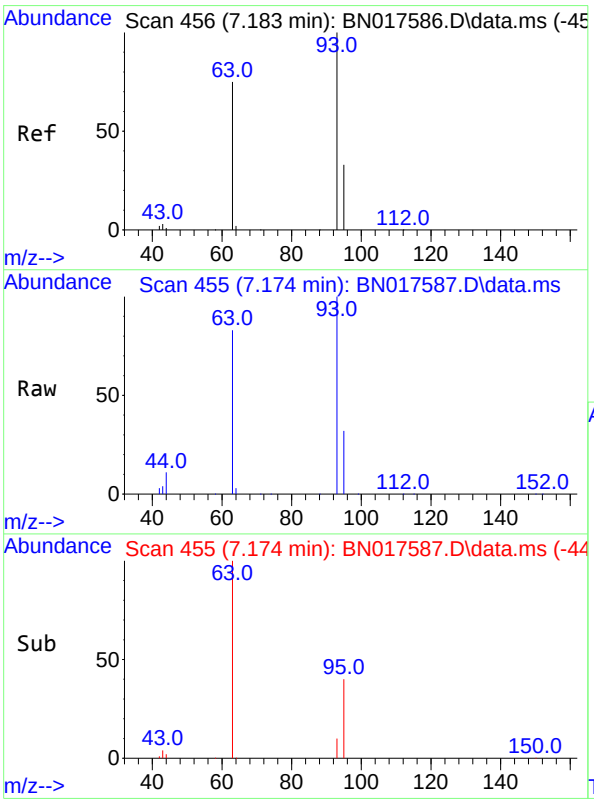
#5
Phenol-d6
Concen: 0.940 ng
RT: 6.925 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 57497

Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.2	24.2
71	34.2	27.6	41.4

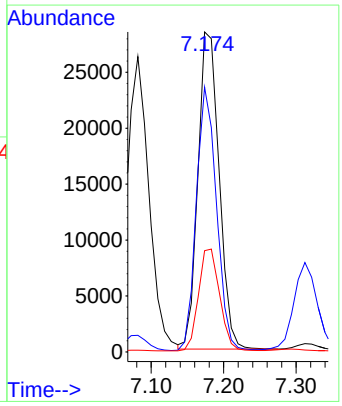


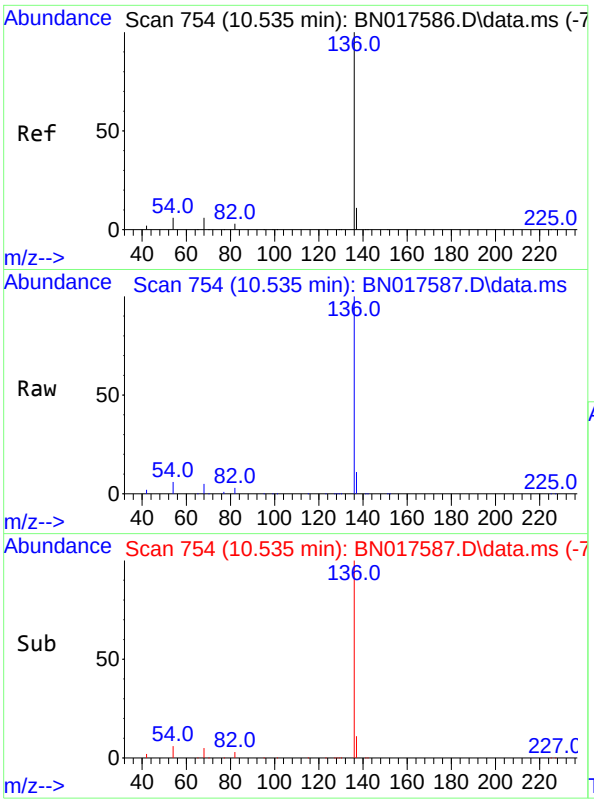


#6
bis(2-Chloroethyl)ether
Concen: 0.922 ng
RT: 7.174 min Scan# 455
Delta R.T. -0.009 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion: 93 Resp: 57531

Ion	Ratio	Lower	Upper
93	100		
63	79.1	63.0	94.6
95	32.2	25.6	38.4



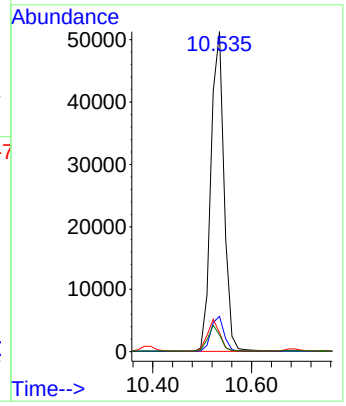


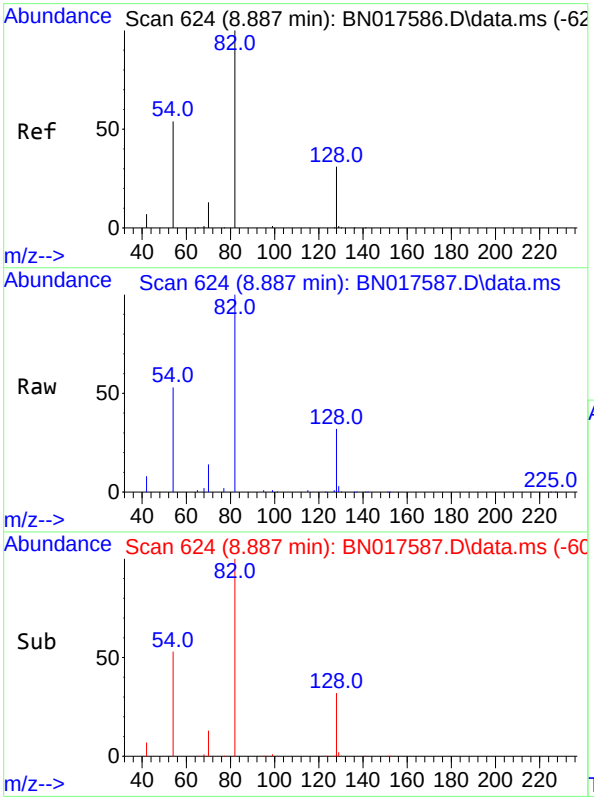
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.535 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 94453

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.9	5.2	7.8
68	5.3	4.6	6.8

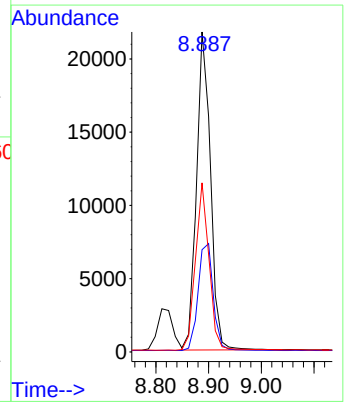


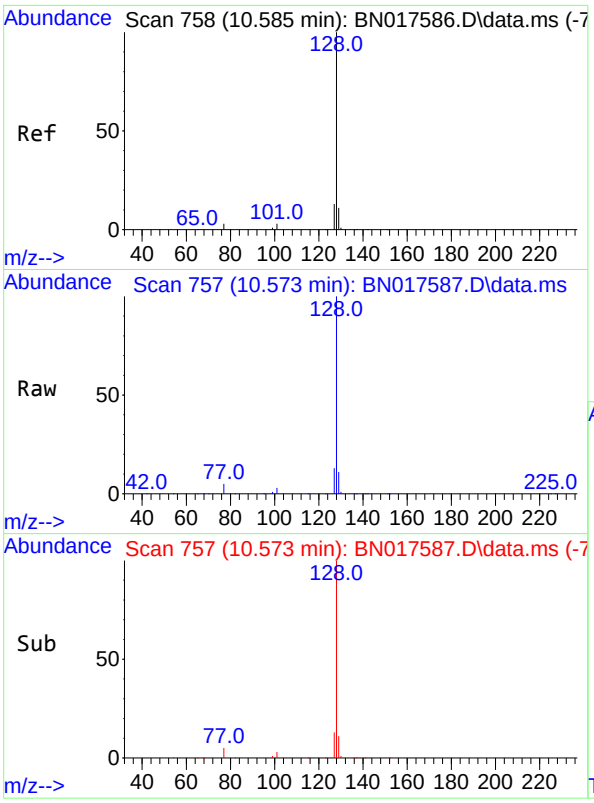


#8
Nitrobenzene-d5
Concen: 0.644 ng
RT: 8.887 min Scan# 624
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion: 82 Resp: 40073

Ion	Ratio	Lower	Upper
82	100		
128	32.0	25.3	37.9
54	52.9	43.7	65.5



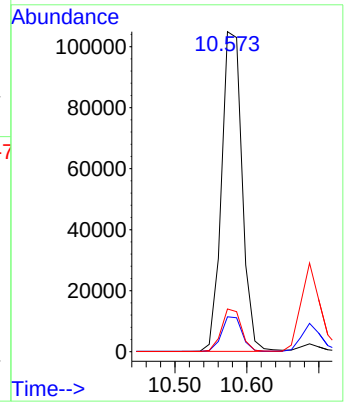


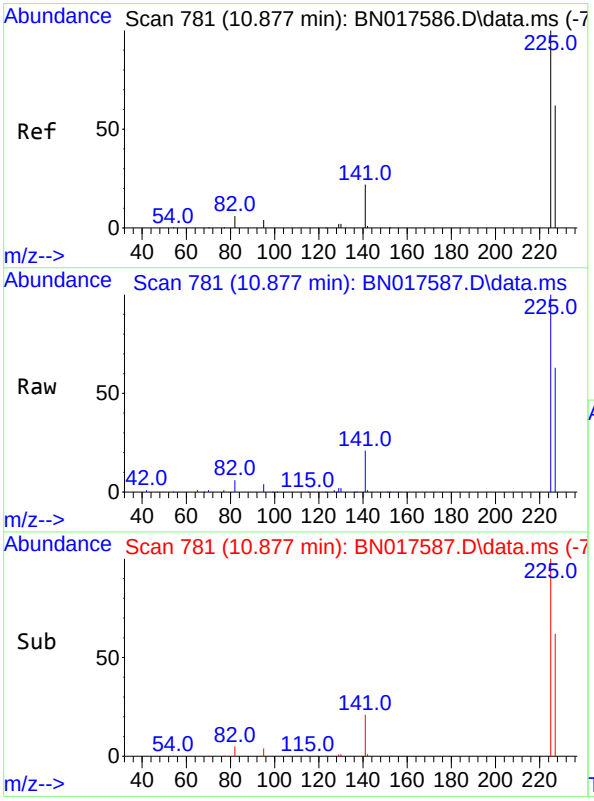
#9
Naphthalene
Concen: 0.869 ng
RT: 10.573 min Scan# 7
Delta R.T. -0.012 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 208341

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.2	15.4

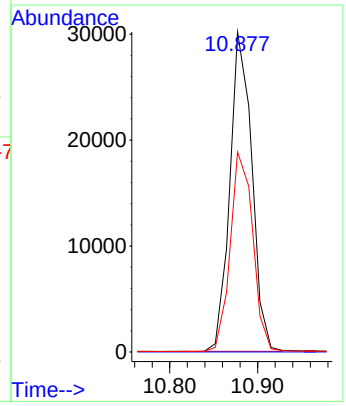


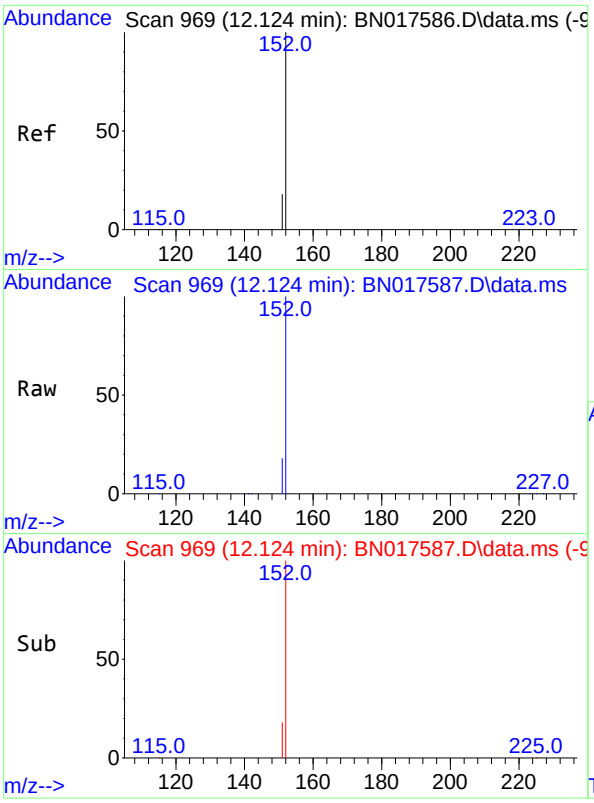


#10
Hexachlorobutadiene
Concen: 1.108 ng
RT: 10.877 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:225 Resp: 52373

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.1	76.7



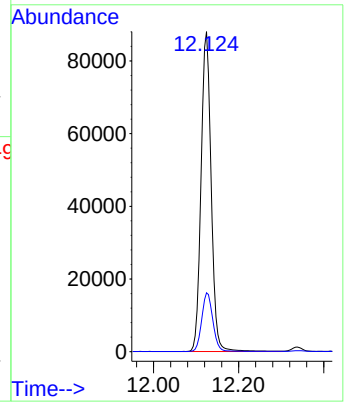


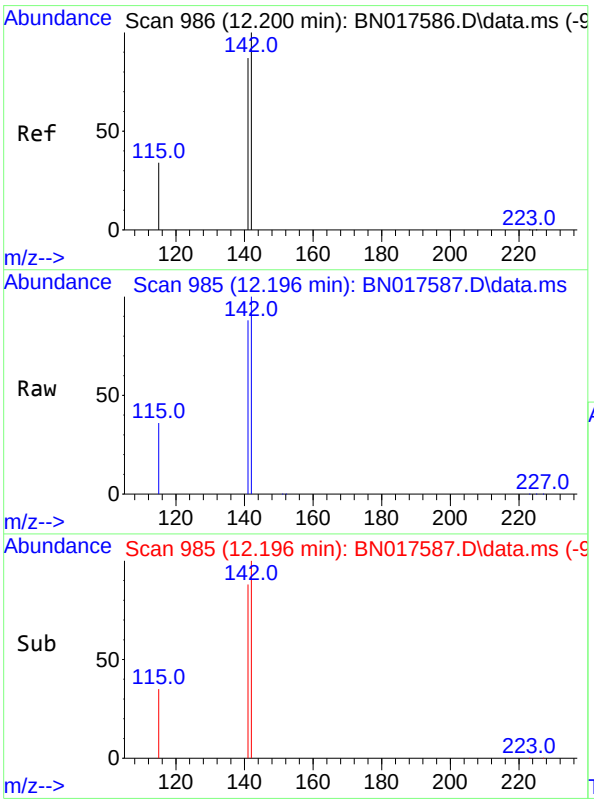
#11
2-Methylnaphthalene-d10
Concen: 0.917 ng
RT: 12.124 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 144248

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4

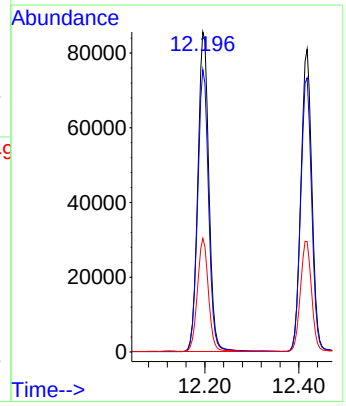


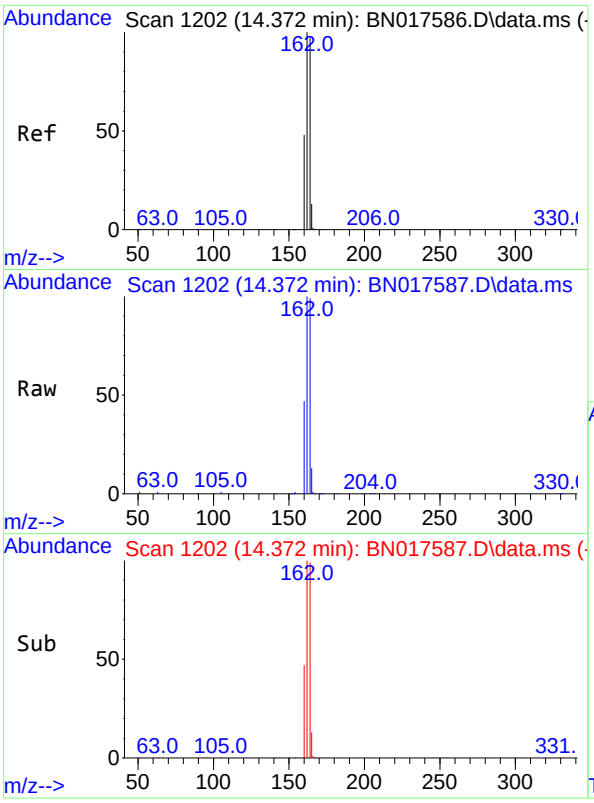


#12
2-Methylnaphthalene
Concen: 0.907 ng
RT: 12.196 min Scan# 985
Delta R.T. -0.004 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:142 Resp: 139790

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.4	104.0
115	35.5	27.8	41.6



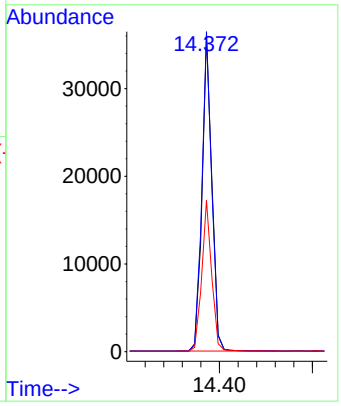


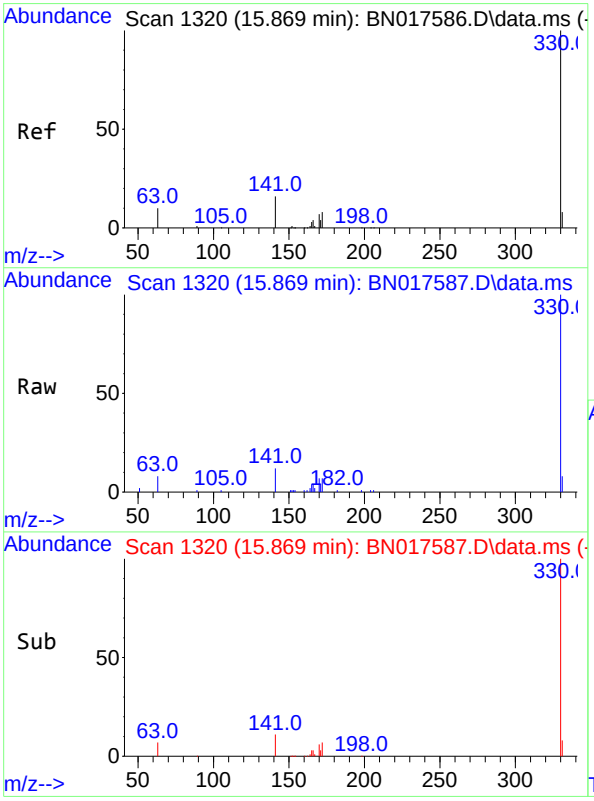
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 52995

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.5	123.7
160	47.8	39.6	59.4

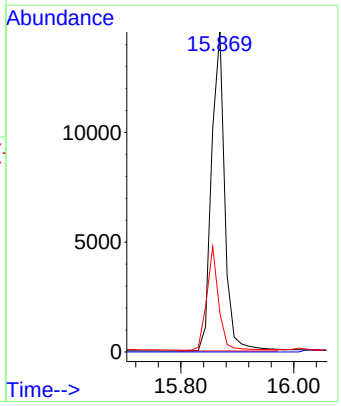


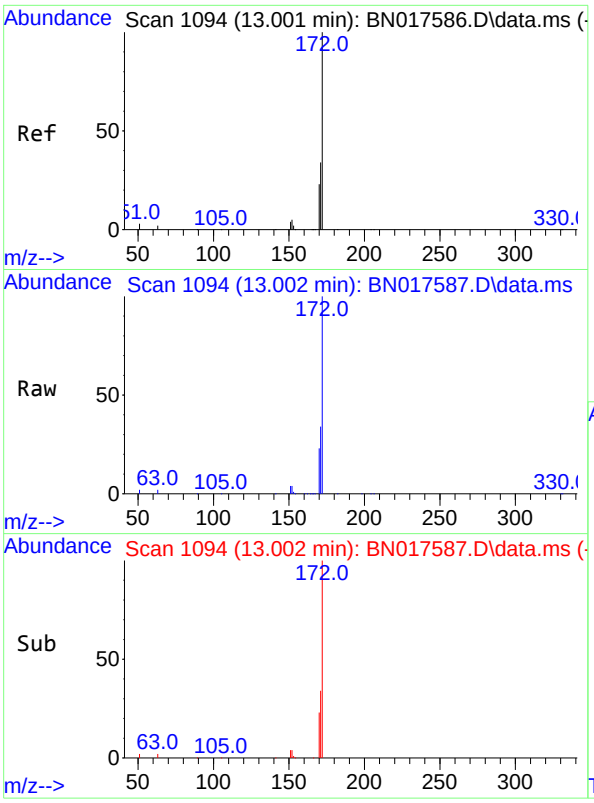


#14
2,4,6-Tribromophenol
Concen: 1.444 ng
RT: 15.869 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:330 Resp: 23499

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.3	24.1	36.1



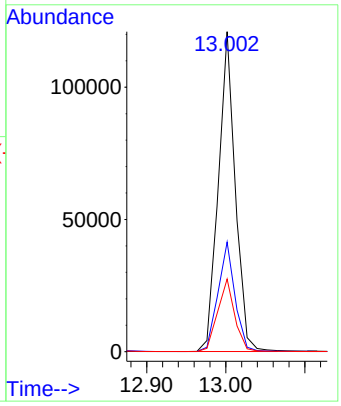


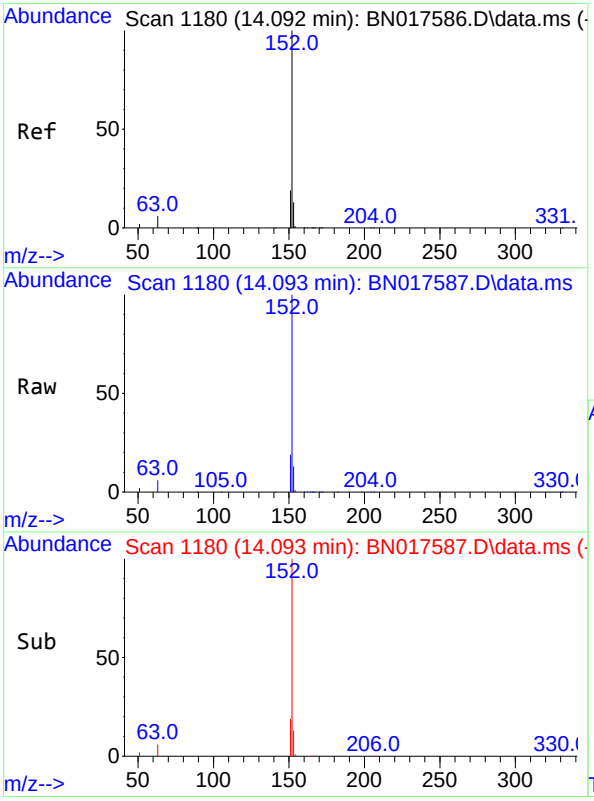
#15
2-Fluorobiphenyl
Concen: 0.914 ng
RT: 13.002 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 180424

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.6	41.4
170	22.7	18.3	27.5

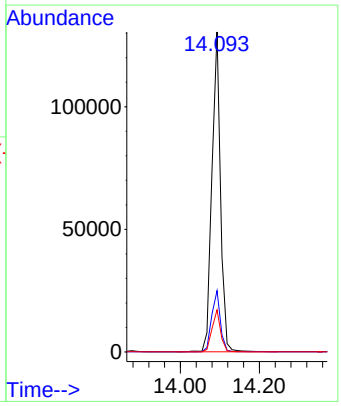


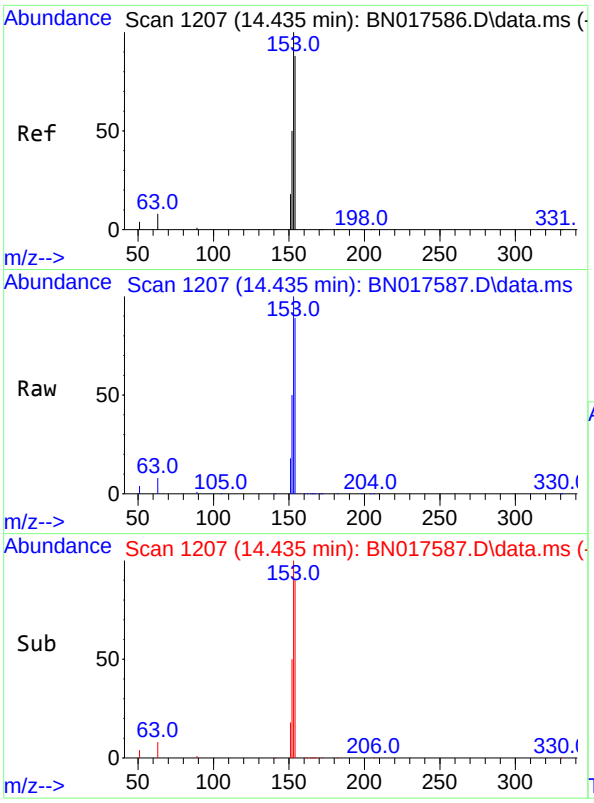


#16
Acenaphthylene
Concen: 0.931 ng
RT: 14.093 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:152 Resp: 196932

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.1	10.5	15.7



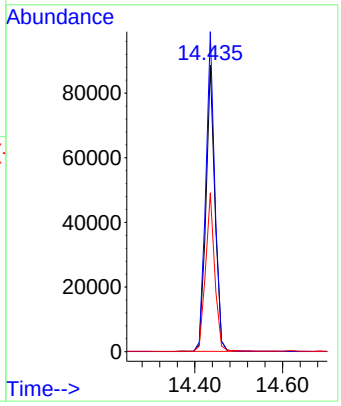


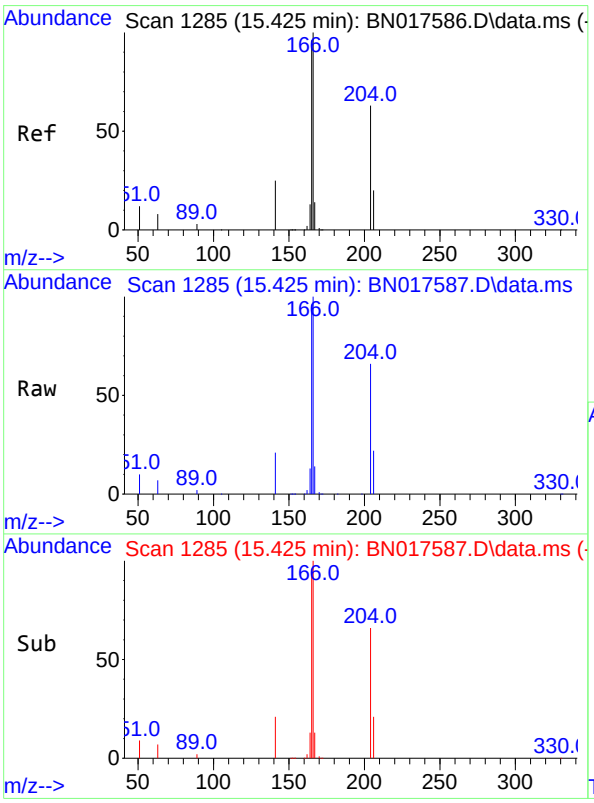
#17
Acenaphthene
Concen: 0.865 ng
RT: 14.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 126346

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.8	134.8
152	56.4	45.9	68.9

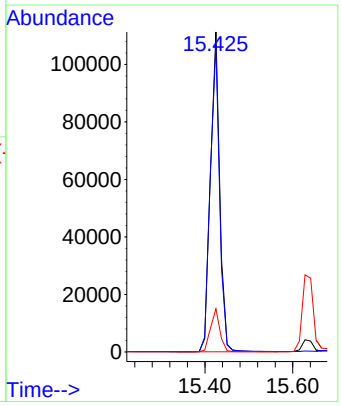


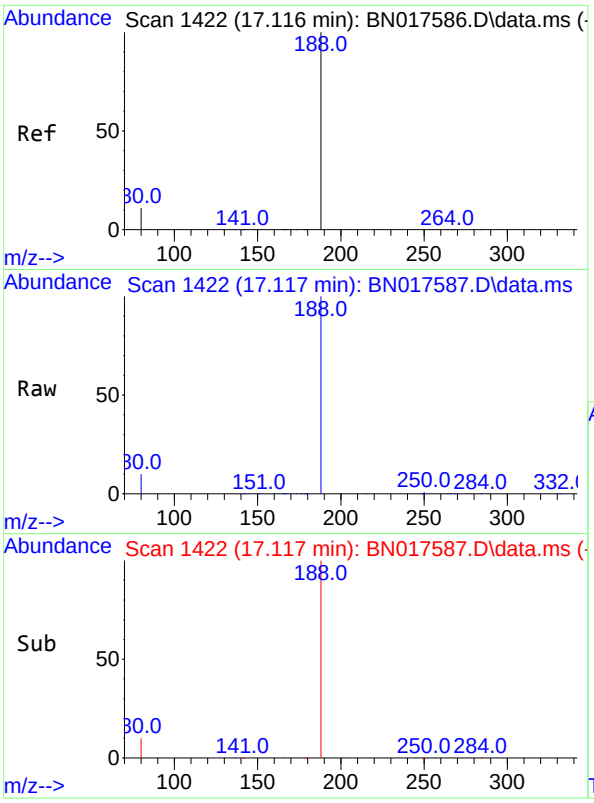


#18
Fluorene
Concen: 0.922 ng
RT: 15.425 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:166 Resp: 162278

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.6	116.4
167	13.5	10.9	16.3



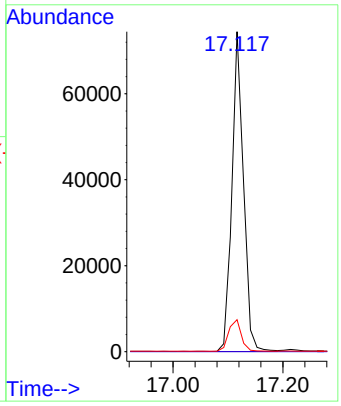


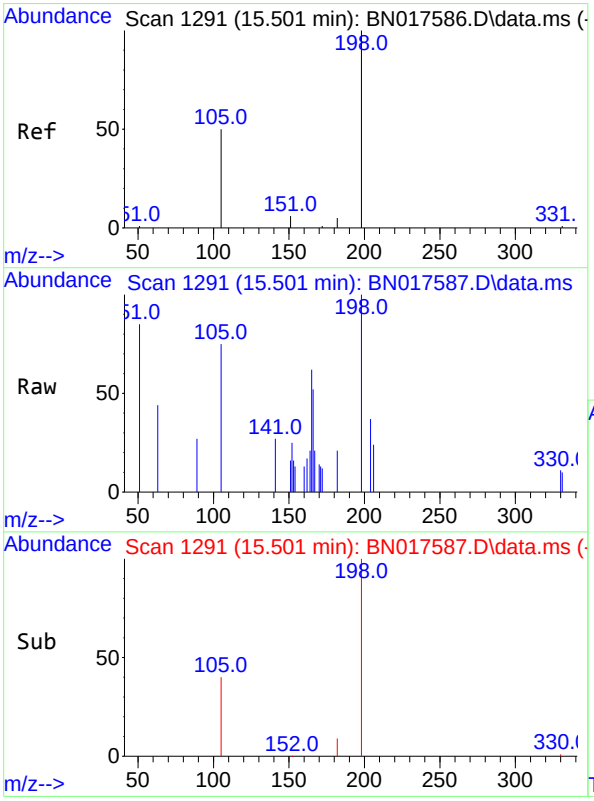
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.117 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 108146

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	9.0	13.4

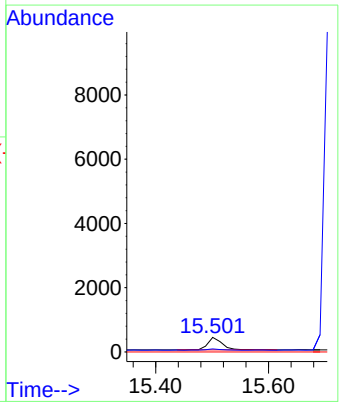


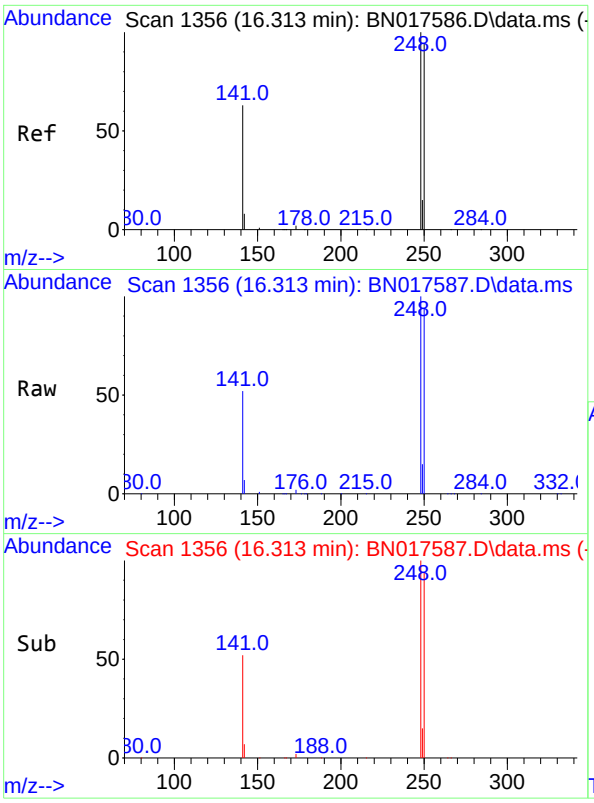


#20
4,6-Dinitro-2-methylphenol
Concen: 0.136 ng
RT: 15.501 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:198 Resp: 687

Ion	Ratio	Lower	Upper
198	100		
182	20.6	33.1	49.7#
77	0.0	0.0	0.0



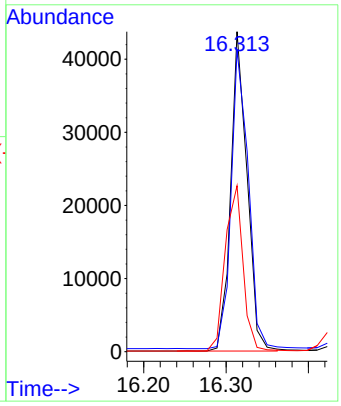


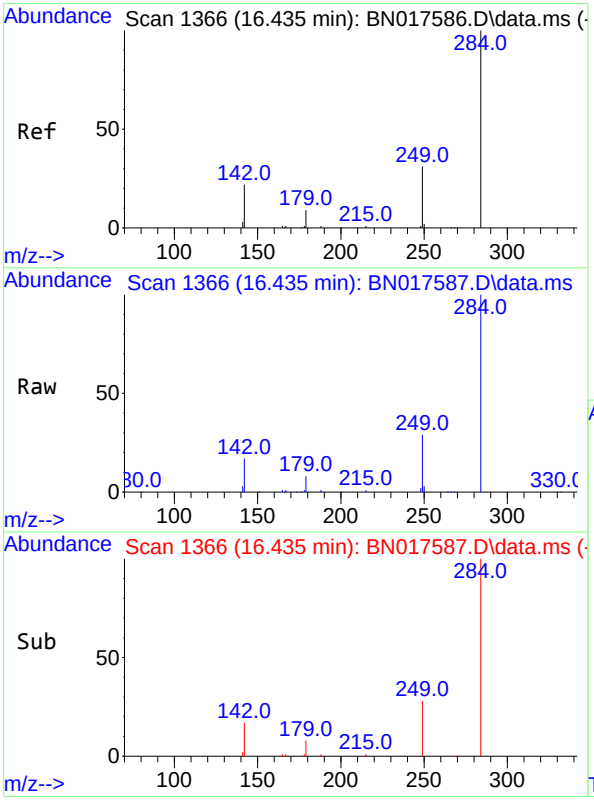
#21
4-Bromophenyl-phenylether
Concen: 1.014 ng
RT: 16.313 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 60225

Ion	Ratio	Lower	Upper
248	100		
250	94.4	76.6	114.8
141	51.9	50.5	75.7

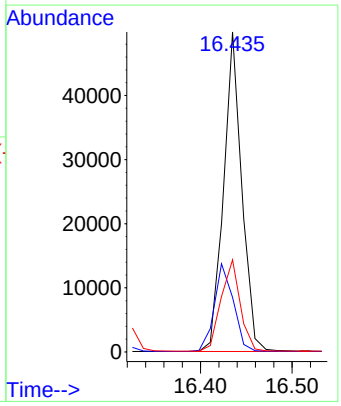


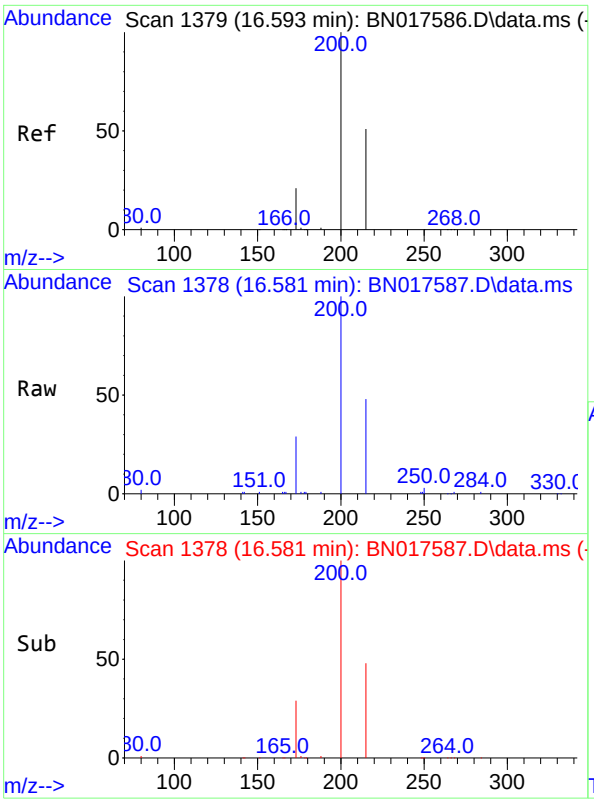


#22
Hexachlorobenzene
Concen: 1.073 ng
RT: 16.435 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:284 Resp: 68914

Ion	Ratio	Lower	Upper
284	100		
142	28.7	23.2	34.8
249	30.1	24.2	36.2



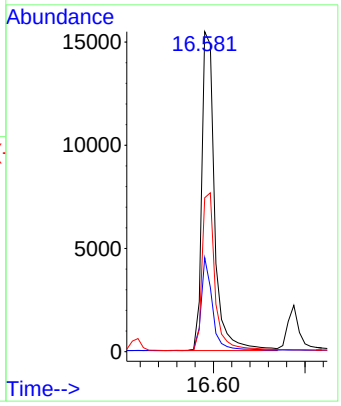


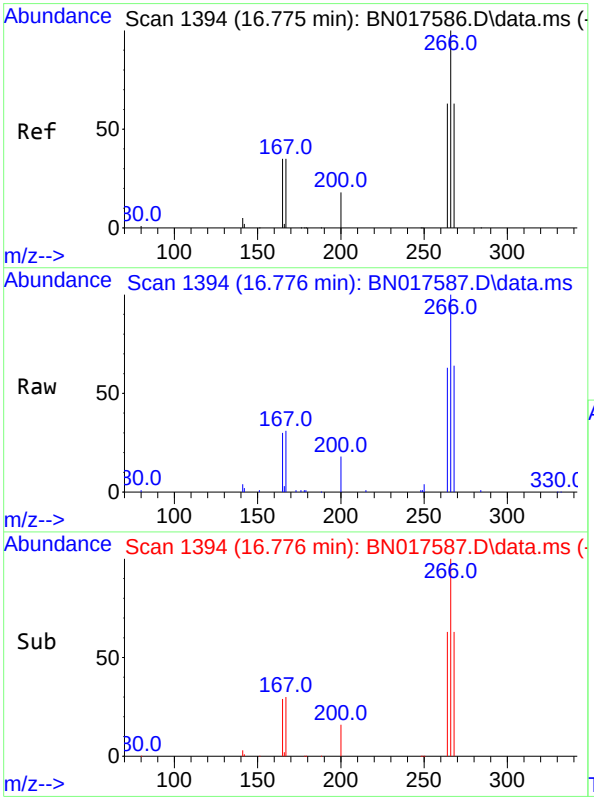
#23
Atrazine
Concen: 0.767 ng
RT: 16.581 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 30194

Ion	Ratio	Lower	Upper
200	100		
173	29.4	17.4	26.0#
215	48.1	40.9	61.3

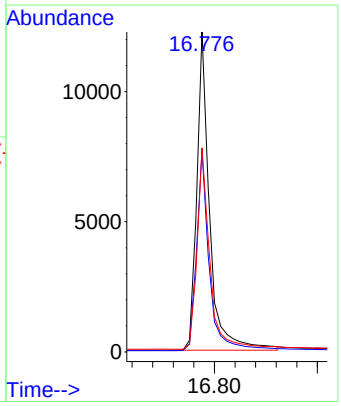


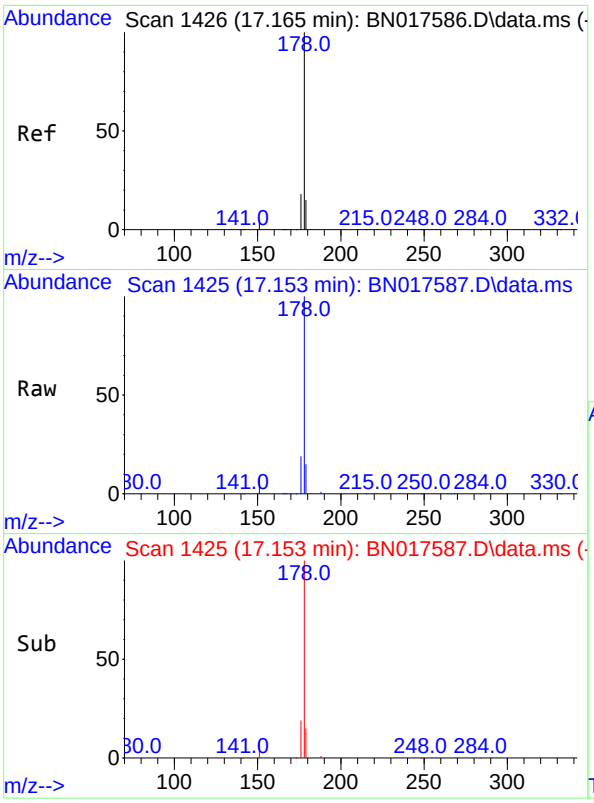


#24
Pentachlorophenol
Concen: 1.092 ng
RT: 16.776 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:266 Resp: 21194

Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.2	75.2
268	63.7	51.7	77.5



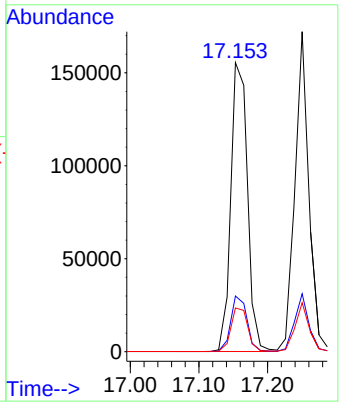


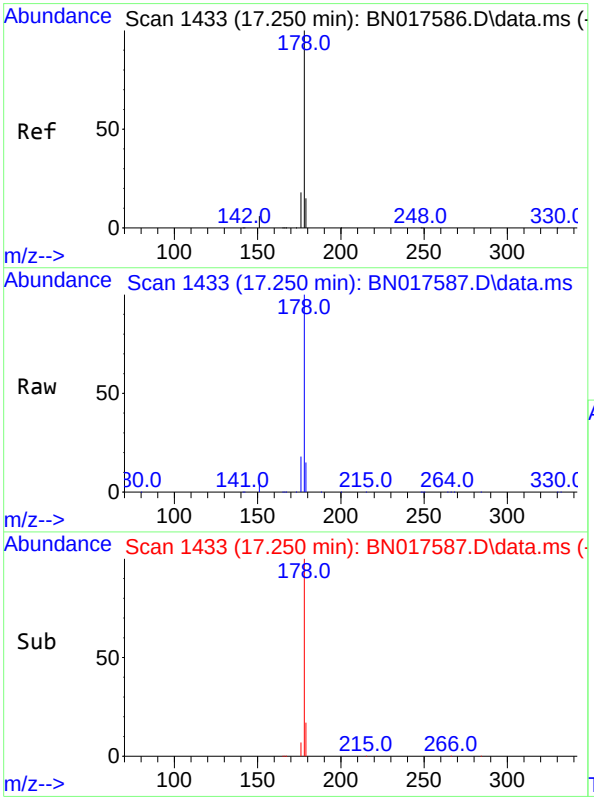
#25
Phenanthrene
Concen: 0.869 ng
RT: 17.153 min Scan# 14
Delta R.T. -0.012 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 263018

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.2	18.4

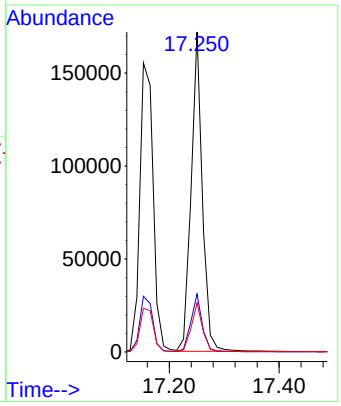


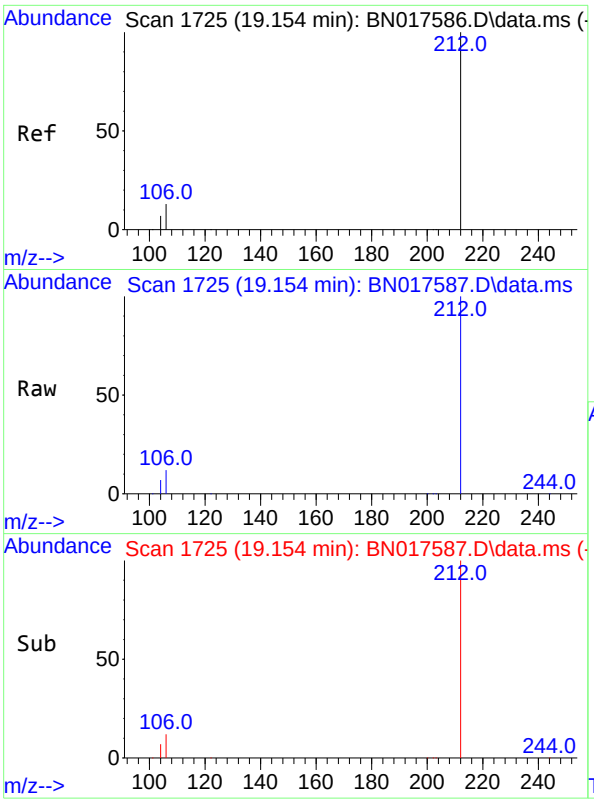


#26
Anthracene
Concen: 0.940 ng
RT: 17.250 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:178 Resp: 243185

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.2	18.4



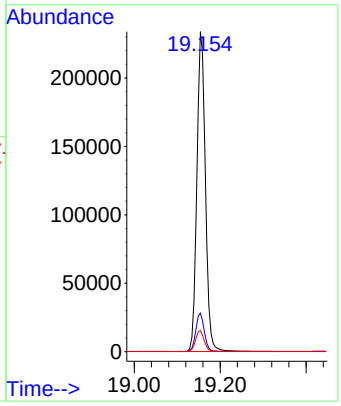


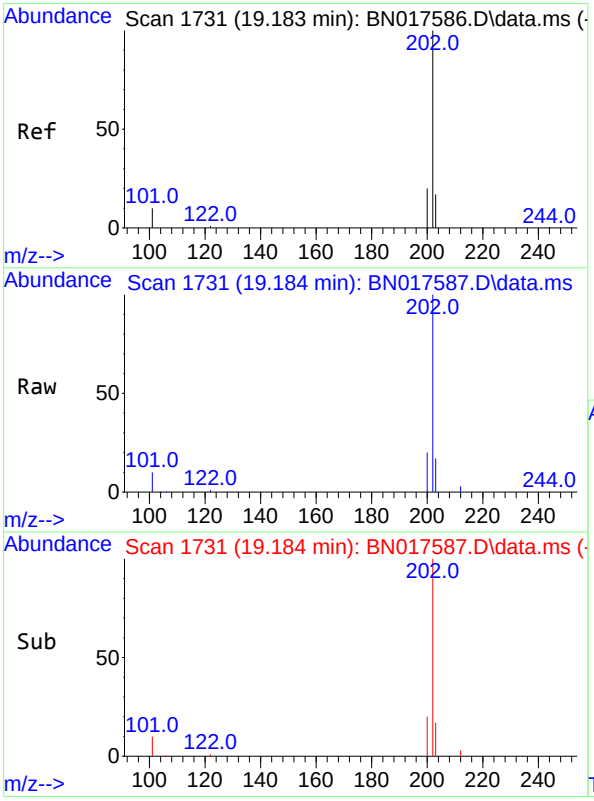
#27
Fluoranthene-d10
Concen: 0.967 ng
RT: 19.154 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 321677

Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.6	14.4
104	6.6	5.3	7.9

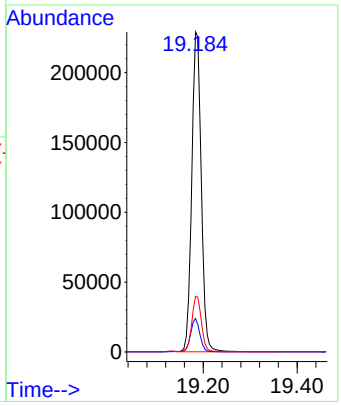


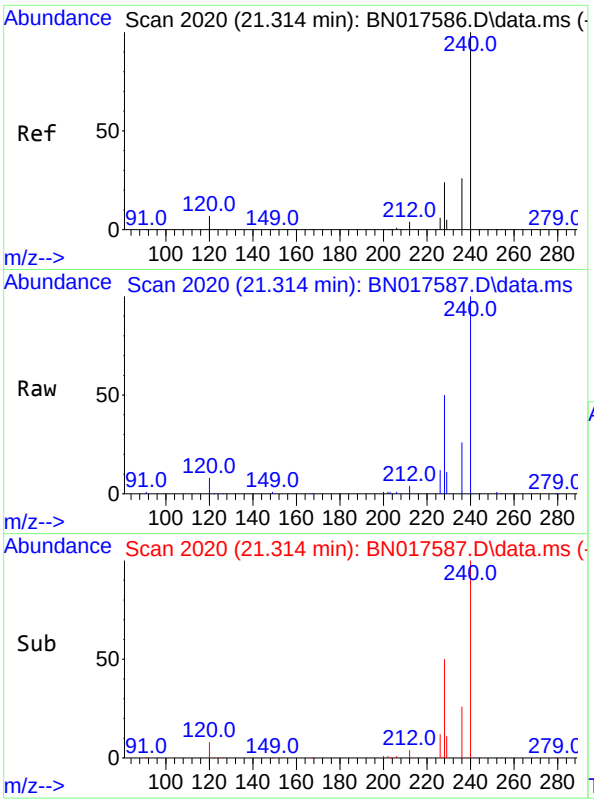


#28
Fluoranthene
Concen: 0.957 ng
RT: 19.184 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:202 Resp: 320445

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.3	12.5
203	17.3	13.9	20.9



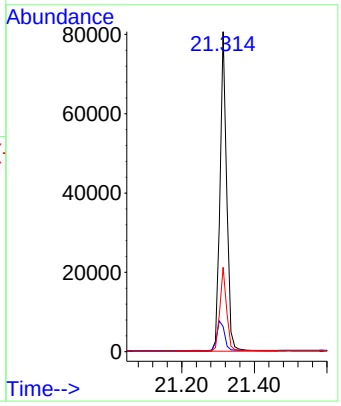


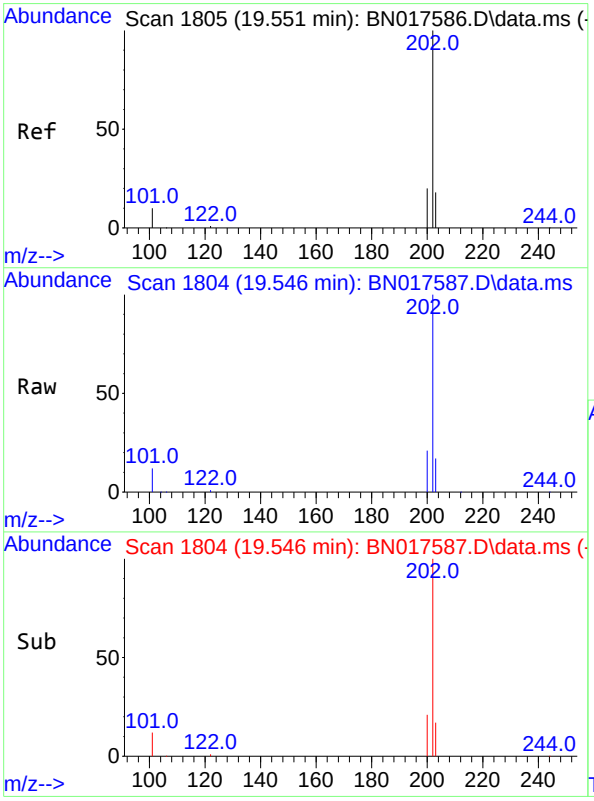
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 101866

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.1	9.1
236	26.4	21.2	31.8

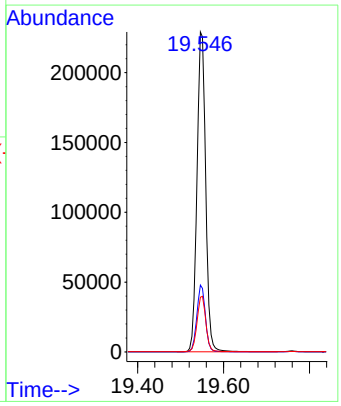


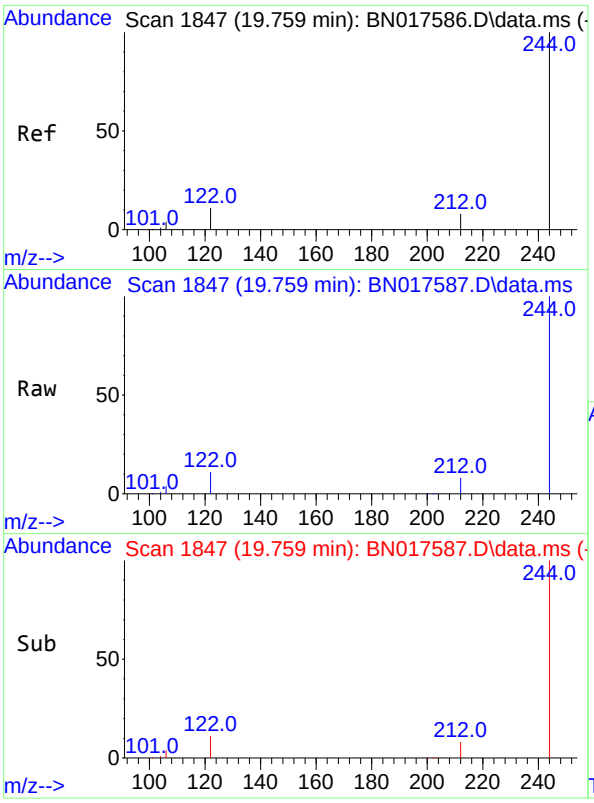


#30
Pyrene
Concen: 0.931 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:202 Resp: 320954

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.5	13.9	20.9



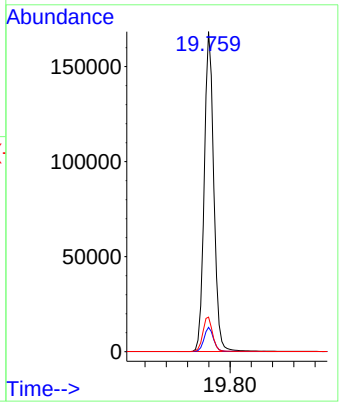


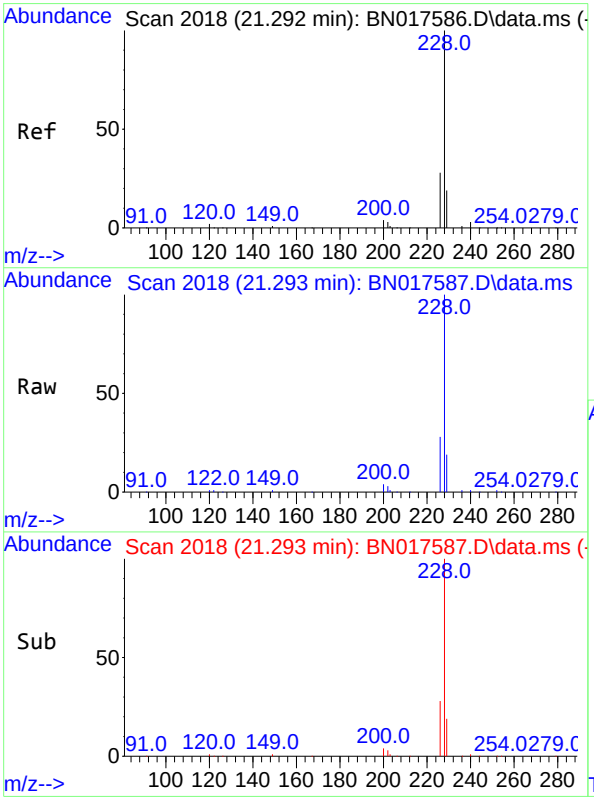
#31
Terphenyl-d14
Concen: 0.935 ng
RT: 19.759 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 209341

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	10.8	8.9	13.3

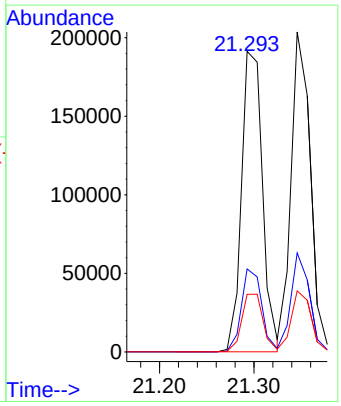


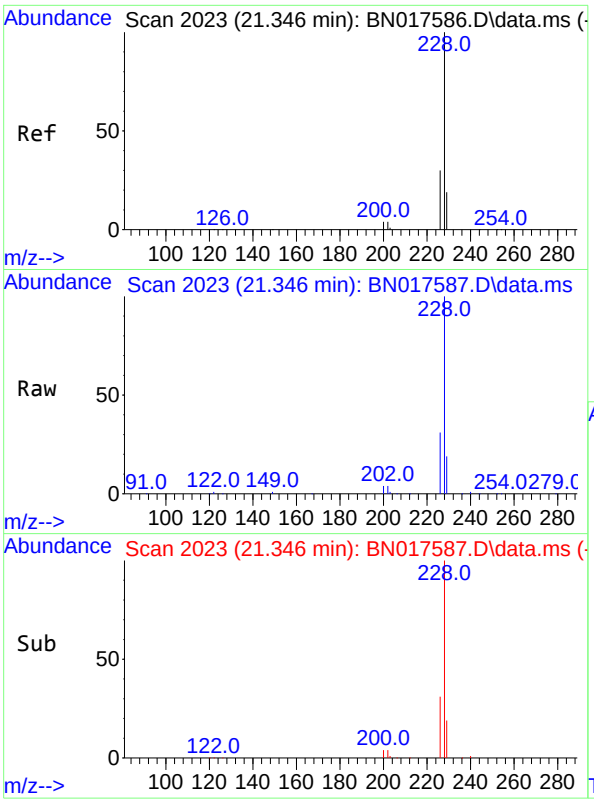


#32
Benzo(a)anthracene
Concen: 0.930 ng
RT: 21.293 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:228 Resp: 294948

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.4	33.6
229	19.1	15.4	23.2



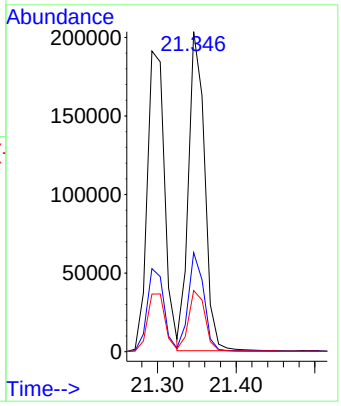


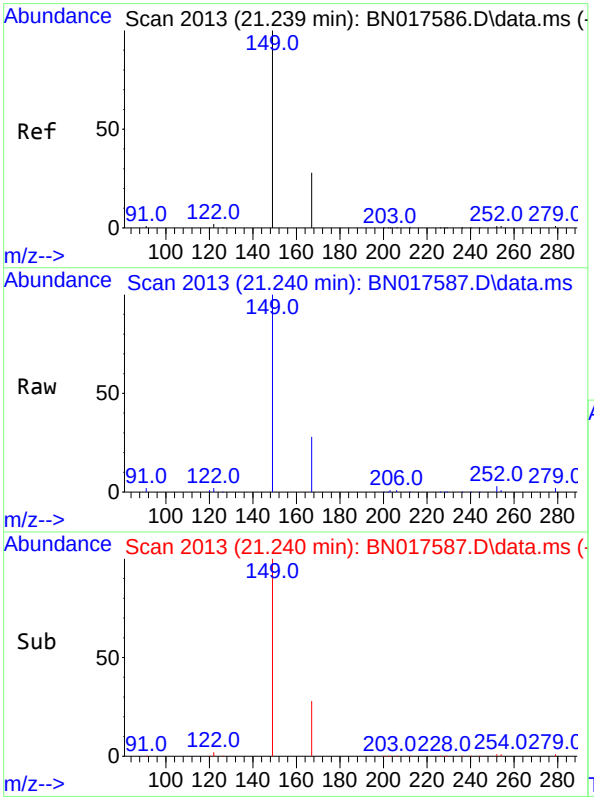
#33
Chrysene
Concen: 0.853 ng
RT: 21.346 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 288844

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	19.1	15.6	23.4

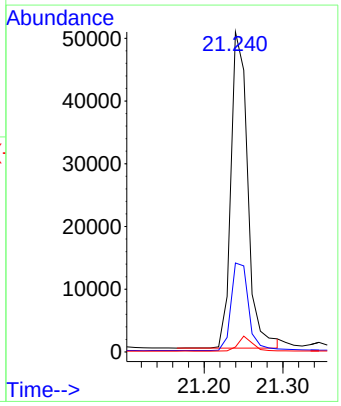


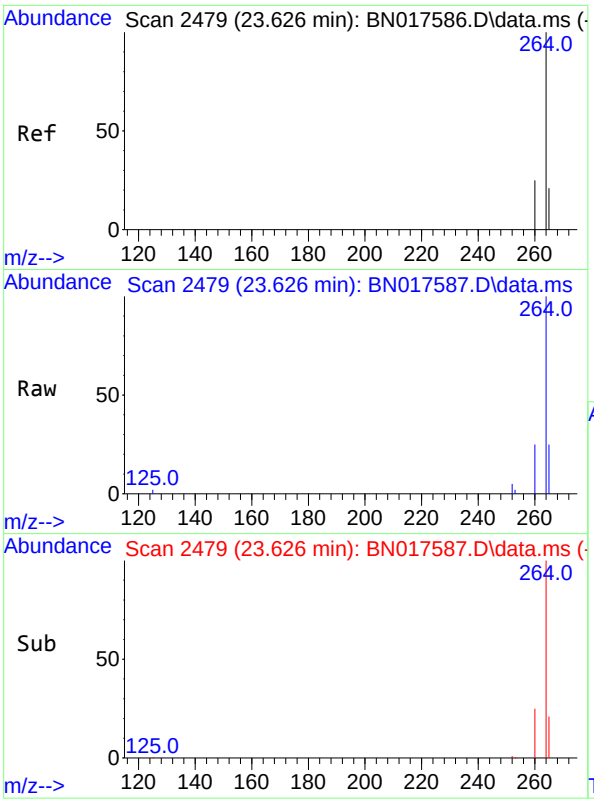


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.612 ng
RT: 21.240 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:149 Resp: 74863

Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.2	34.8
279	4.1	3.4	5.0



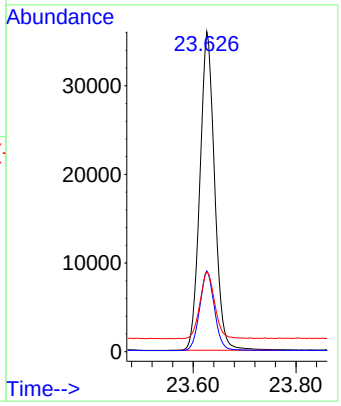


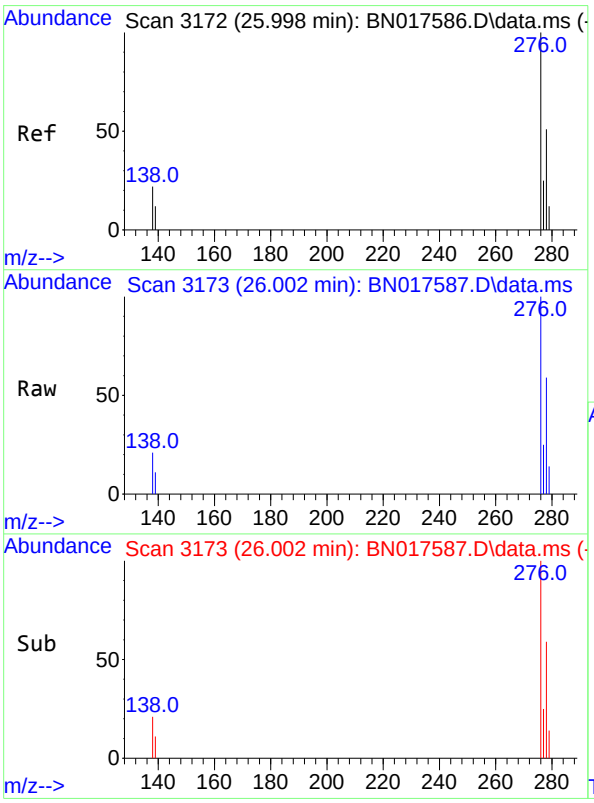
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.626 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 71456

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	24.8	20.6	30.8

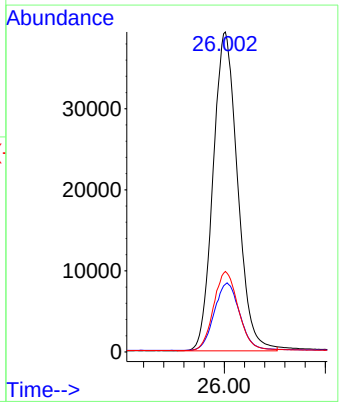


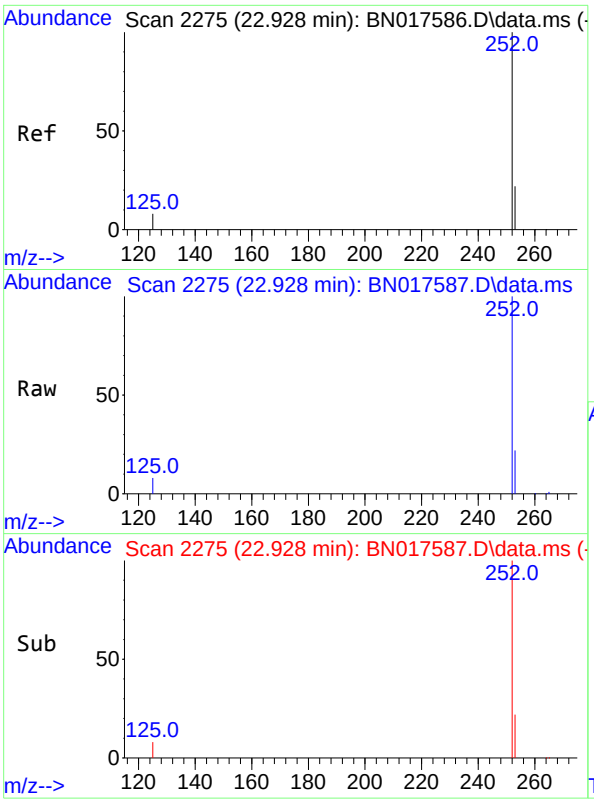


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.607 ng
RT: 26.002 min Scan# 3173
Delta R.T. 0.004 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:276 Resp: 132305

Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.4	24.6
277	25.0	17.9	26.9



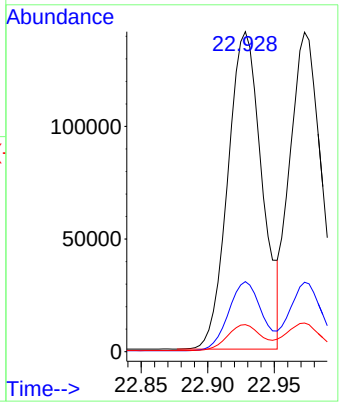


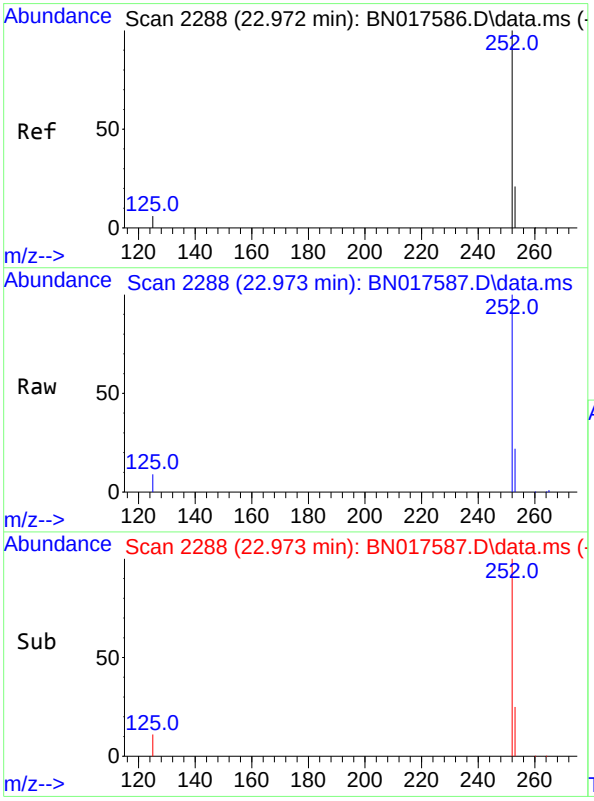
#37
Benzo(b)fluoranthene
Concen: 0.964 ng
RT: 22.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 250654

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.5	7.1	10.7

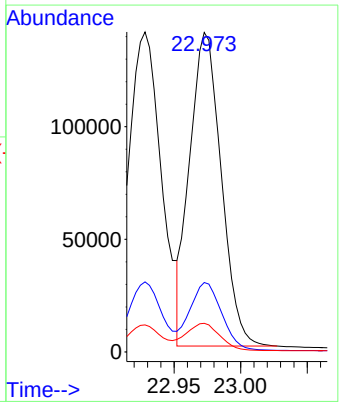


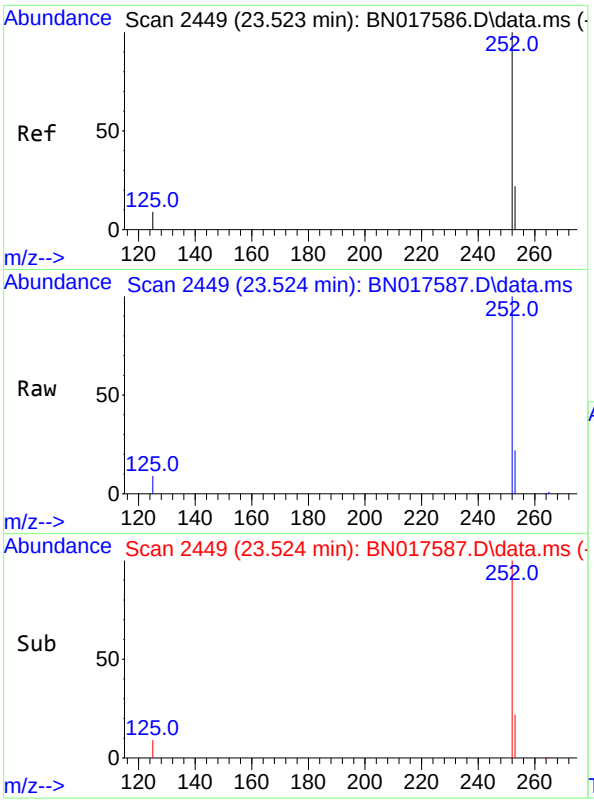


#38
Benzo(k)fluoranthene
Concen: 0.910 ng
RT: 22.973 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:252 Resp: 229557

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.0	7.9	11.9



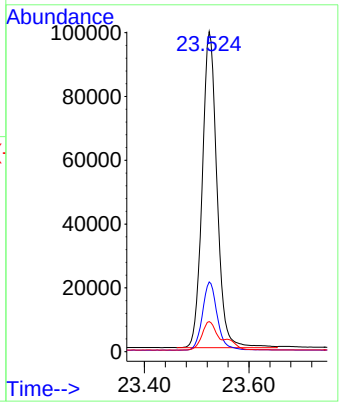


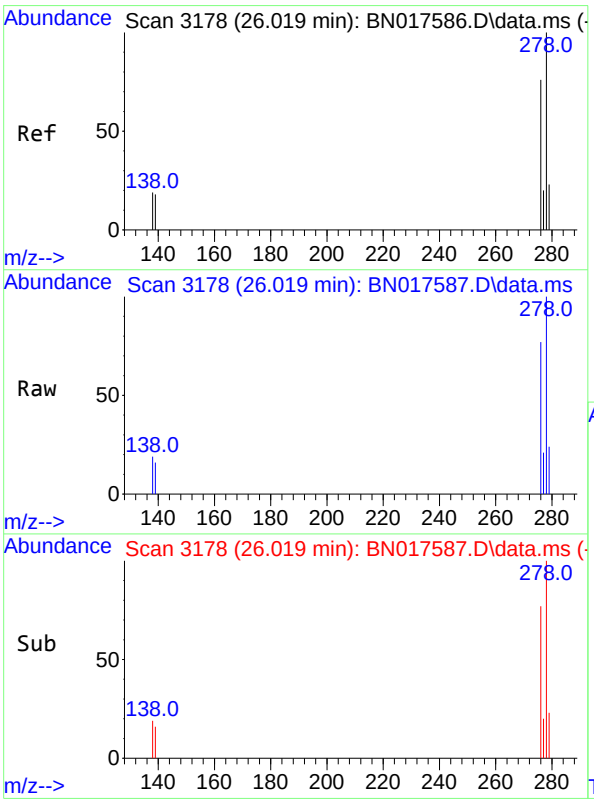
#39
Benzo(a)pyrene
Concen: 0.902 ng
RT: 23.524 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 193449

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.4	8.0	12.0

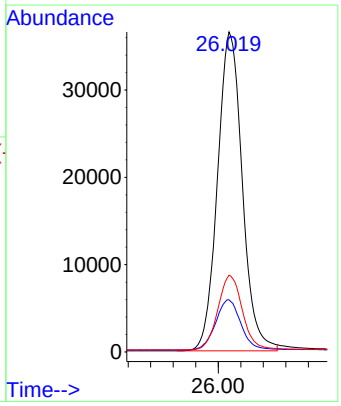


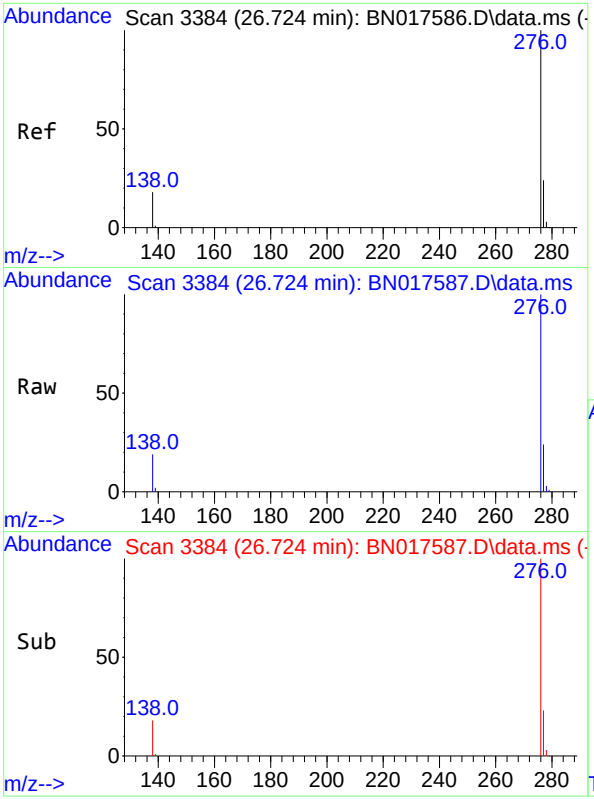


#40
Dibenzo(a,h)anthracene
Concen: 0.622 ng
RT: 26.019 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Tgt Ion:278 Resp: 111360

Ion	Ratio	Lower	Upper
278	100		
139	16.3	15.2	22.8
279	24.0	19.5	29.3





#41
Benzo(g,h,i)perylene
Concen: 0.524 ng
RT: 26.724 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN017587.D
Acq: 24 Nov 2021 19:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 97855

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.0	30.0
138	19.0	15.7	23.5