Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111221\
Data File : BN017398.D
Acq On : 12 Nov 2021 10:18
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Quant Time: Nov 12 13:23:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 12 13:21:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.478	152	24400	0.400	ng	0.00
7) Naphthalene-d8	10.243	136	106032	0.400	ng	0.00
13) Acenaphthene-d10	14.118	164	57274	0.400	ng	0.00
19) Phenanthrene-d10	16.873	188	105765	0.400	ng	# 0.00
29) Chrysene-d12	21.091	240	110089	0.400	ng	# 0.00
35) Perylene-d12	23.263	264	108477	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.081	112	43045	0.767	ng	0.00
5) Phenol-d6	6.667	99	48437	0.780	ng	0.00
8) Nitrobenzene-d5	8.621	82	49896	0.712	ng	0.00
11) 2-Methylnaphthalene-d10	11.840	152	125000	0.835	ng	0.00
14) 2,4,6-Tribromophenol	15.628	330	15090	0.706	ng	0.00
15) 2-Fluorobiphenyl	12.735	172	175814	0.800	ng	0.00
27) Fluoranthene-d10	18.920	212	220411	0.808	ng	0.00
31) Terphenyl-d14	19.541	244	191755	0.821	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.052	88	10987	1.011	ng	# 81
3) n-Nitrosodimethylamine	3.393	42	17282	0.716	ng	98
6) bis(2-Chloroethyl)ether	6.925	93	53060	0.808	ng	99
9) Naphthalene	10.294	128	222725	0.781	ng	99
10) Hexachlorobutadiene	10.586	225	44374	0.821	ng	# 100
12) 2-Methylnaphthalene	11.915	142	148523	0.834	ng	100
16) Acenaphthylene	13.839	152	194264	0.808	ng	100
17) Acenaphthene	14.181	154	128211	0.798	ng	100
18) Fluorene	15.184	166	155383	0.802	ng	99
20) 4,6-Dinitro-2-methylph...	15.273	198	5856	0.498	ng	98
21) 4-Bromophenyl-phenylether	16.082	248	49210	0.795	ng	# 75
22) Hexachlorobenzene	16.192	284	54188	0.782	ng	99
23) Atrazine	16.362	200	31163	0.751	ng	# 91
24) Pentachlorophenol	16.532	266	13373	0.584	ng	100
25) Phenanthrene	16.922	178	248694	0.817	ng	100
26) Anthracene	17.007	178	207405	0.815	ng	100
28) Fluoranthene	18.950	202	281118	0.835	ng	100
30) Pyrene	19.318	202	276893	0.806	ng	100
32) Benzo(a)anthracene	21.070	228	261515	0.791	ng	98
33) Chrysene	21.123	228	292263	0.804	ng	98
34) Bis(2-ethylhexyl)phtha...	21.038	149	84037	0.535	ng	100
36) Indeno(1,2,3-cd)pyrene	25.440	276	308647	0.748	ng	100
37) Benzo(b)fluoranthene	22.617	252	275926	0.830	ng	99
38) Benzo(k)fluoranthene	22.658	252	280520	0.791	ng	99
39) Benzo(a)pyrene	23.168	252	245069	0.801	ng	98
40) Dibenzo(a,h)anthracene	25.461	278	249369	0.747	ng	99
41) Benzo(g,h,i)perylene	26.101	276	268069	0.740	ng	99

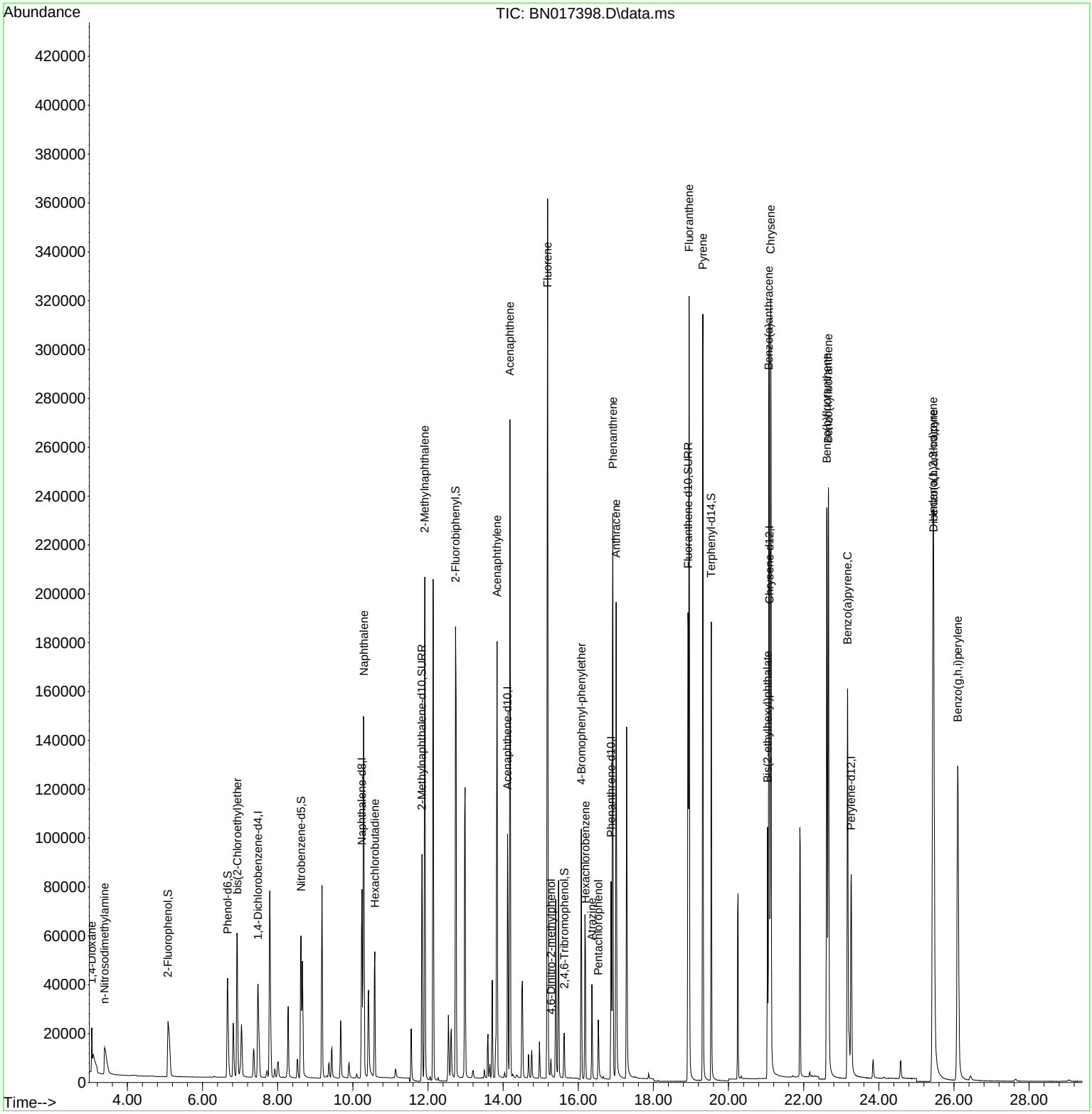
(#) = qualifier out of range (m) = manual integration (+) = signals summed

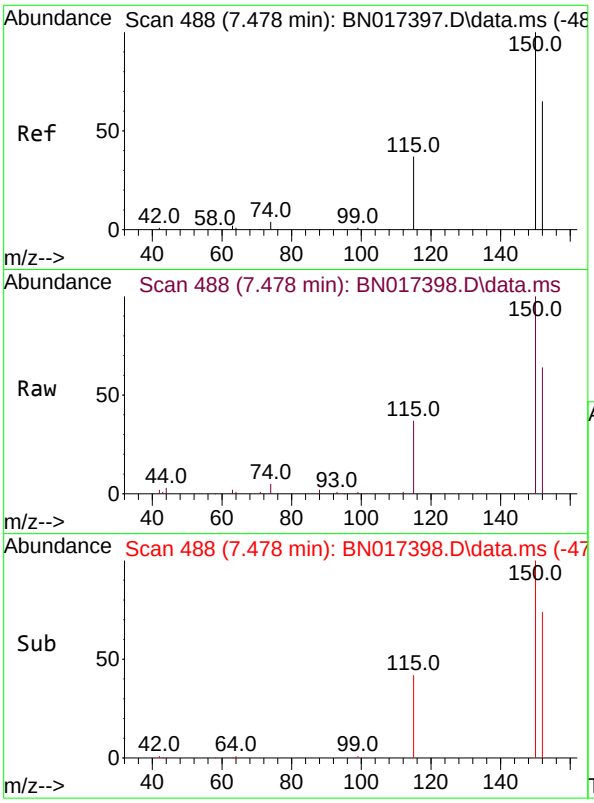
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111221\
Data File : BN017398.D
Acq On : 12 Nov 2021 10:18
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Quant Time: Nov 12 13:23:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 12 13:21:47 2021
Response via : Initial Calibration



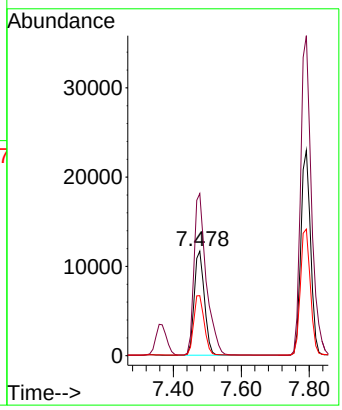


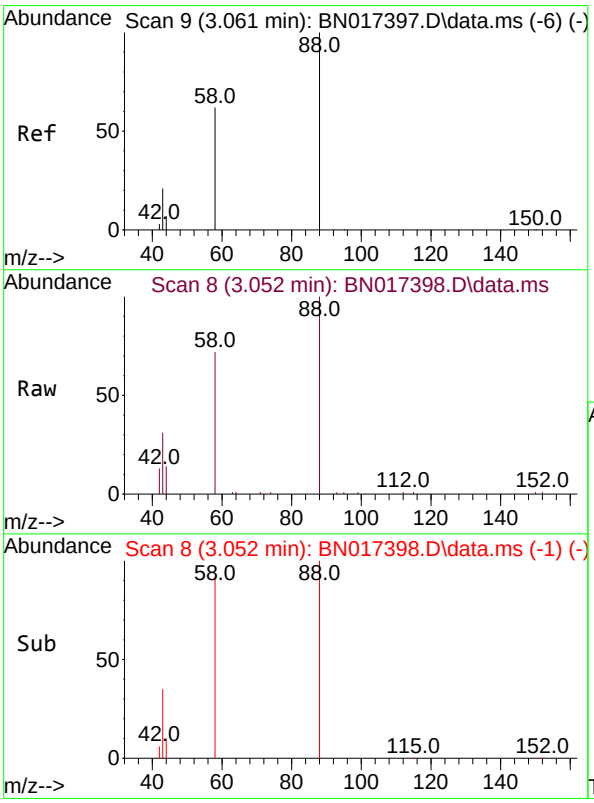
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.478 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:152 Resp: 24400

Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.0	184.4
115	57.5	45.6	68.4

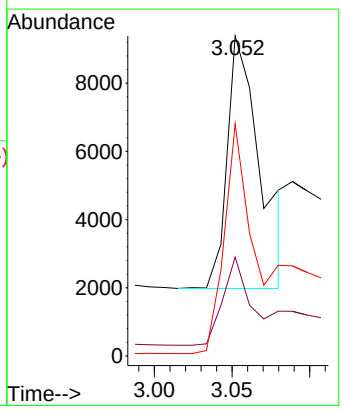


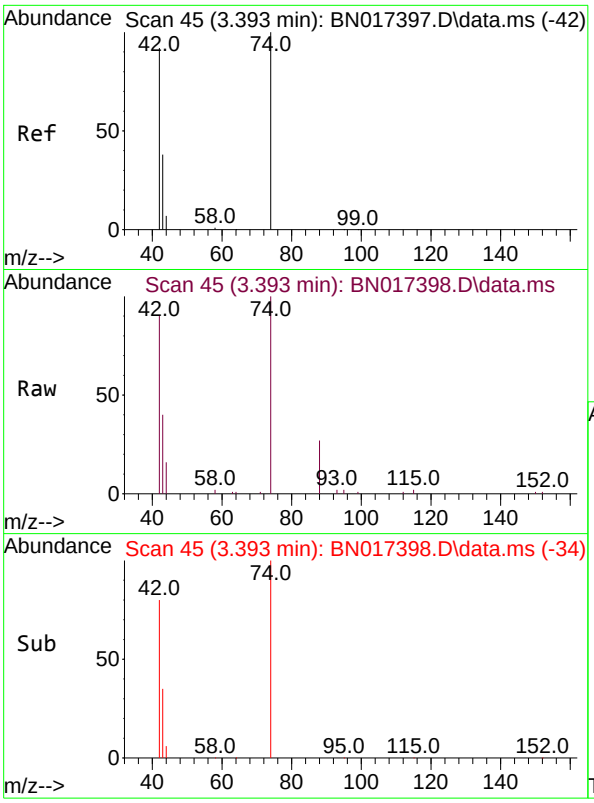


#2
1,4-Dioxane
Concen: 1.011 ng
RT: 3.052 min Scan# 8
Delta R.T. -0.009 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion: 88 Resp: 10987

Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.7	37.1
58	100.5	63.0	94.6#



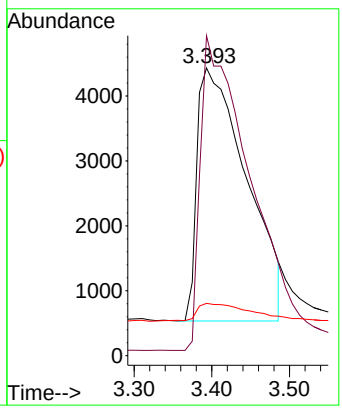


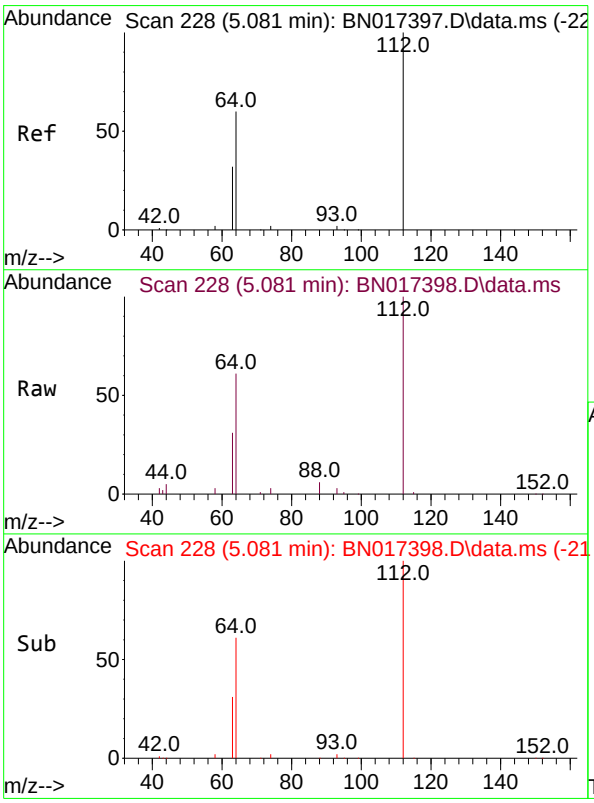
#3
n-Nitrosodimethylamine
Concen: 0.716 ng
RT: 3.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion: 42 Resp: 17282

Ion	Ratio	Lower	Upper
42	100		
74	119.8	97.8	146.6
44	7.4	5.5	8.3

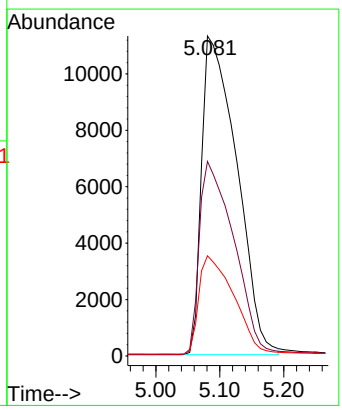


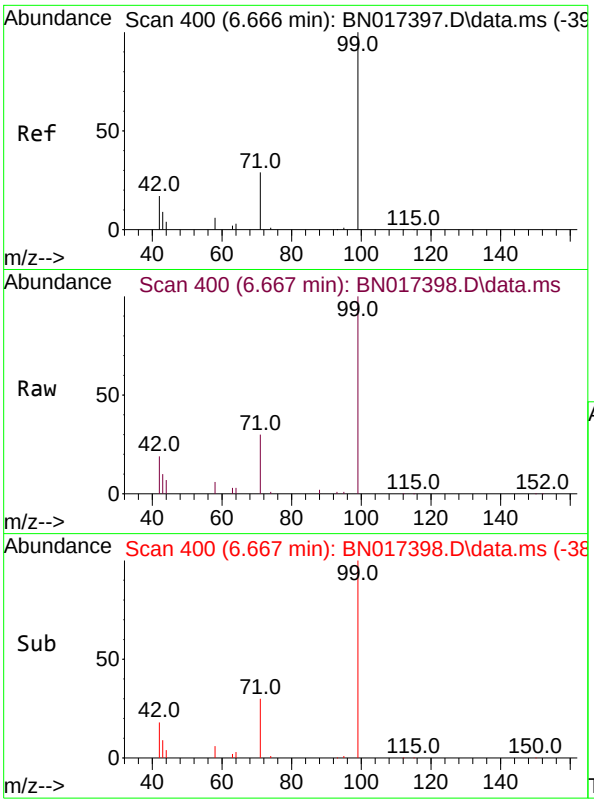


#4
2-Fluorophenol
Concen: 0.767 ng
RT: 5.081 min Scan# 228
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:112 Resp: 43045

Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.6	71.4
63	30.6	24.6	37.0



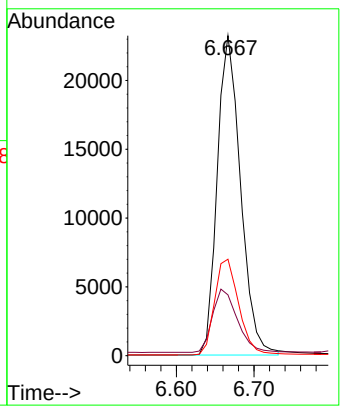


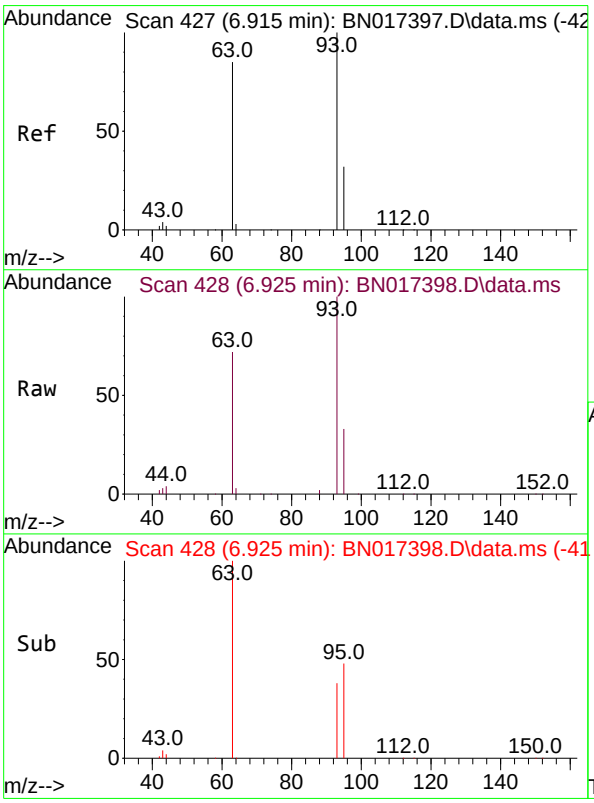
#5
Phenol-d6
Concen: 0.780 ng
RT: 6.667 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion: 99 Resp: 48437

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	31.0	24.8	37.2

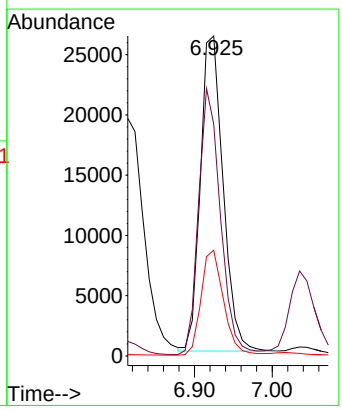


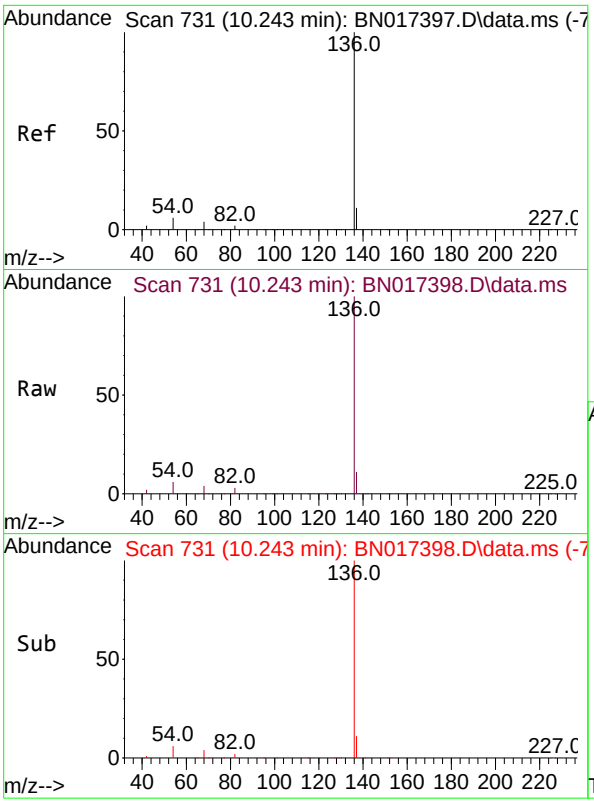


#6
bis(2-Chloroethyl)ether
Concen: 0.808 ng
RT: 6.925 min Scan# 428
Delta R.T. 0.009 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion: 93 Resp: 53060

Ion	Ratio	Lower	Upper
93	100		
63	81.2	65.8	98.6
95	33.0	26.6	39.8



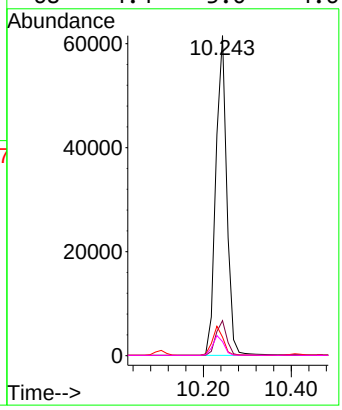


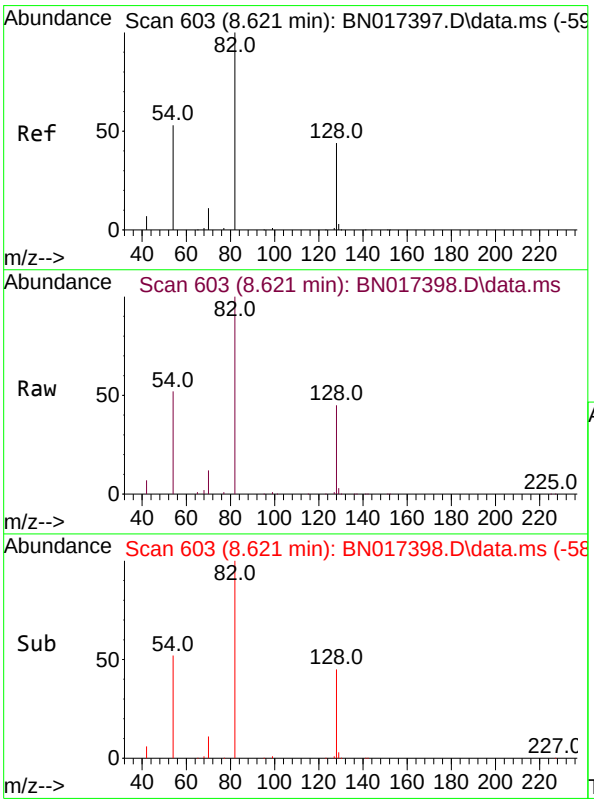
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.243 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:136 Resp: 106032

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	5.8	4.0	6.0
68	4.4	3.0	4.6

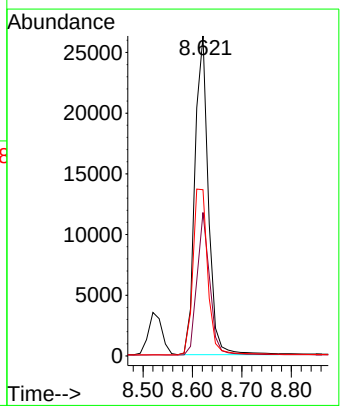


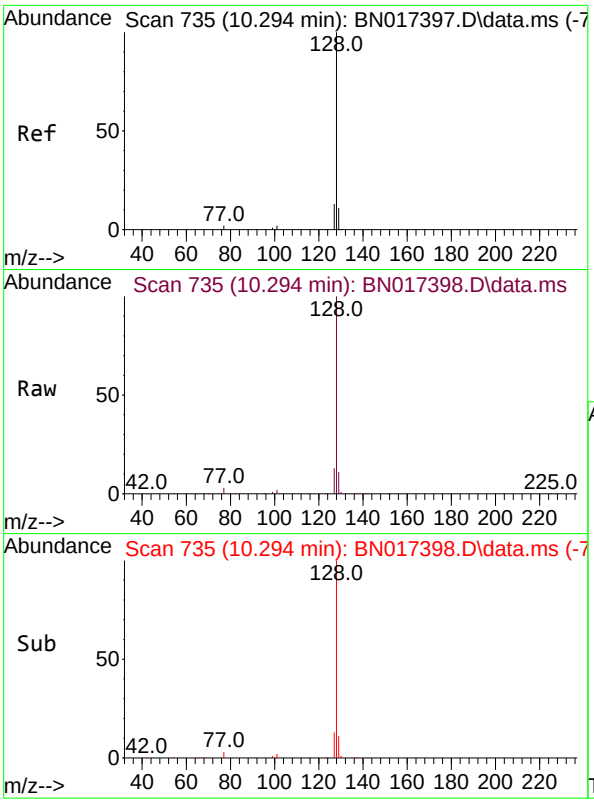


#8
Nitrobenzene-d5
Concen: 0.712 ng
RT: 8.621 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion: 82 Resp: 49896

Ion	Ratio	Lower	Upper
82	100		
128	44.8	27.7	41.5#
54	52.0	49.2	73.8



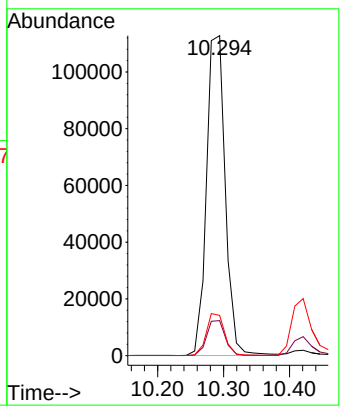


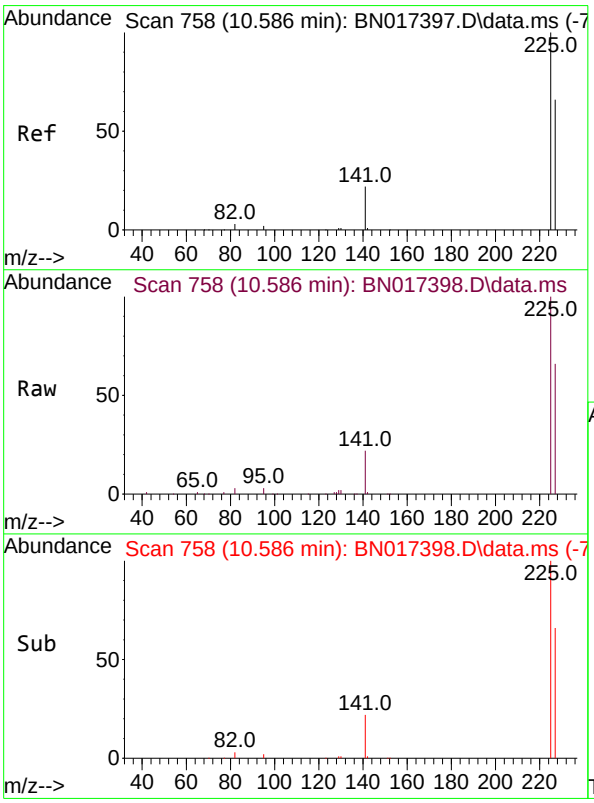
#9
Naphthalene
Concen: 0.781 ng
RT: 10.294 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:128 Resp: 222725

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.6	15.8

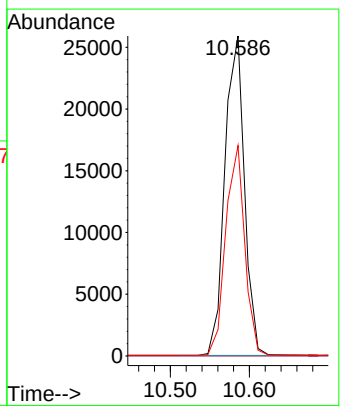


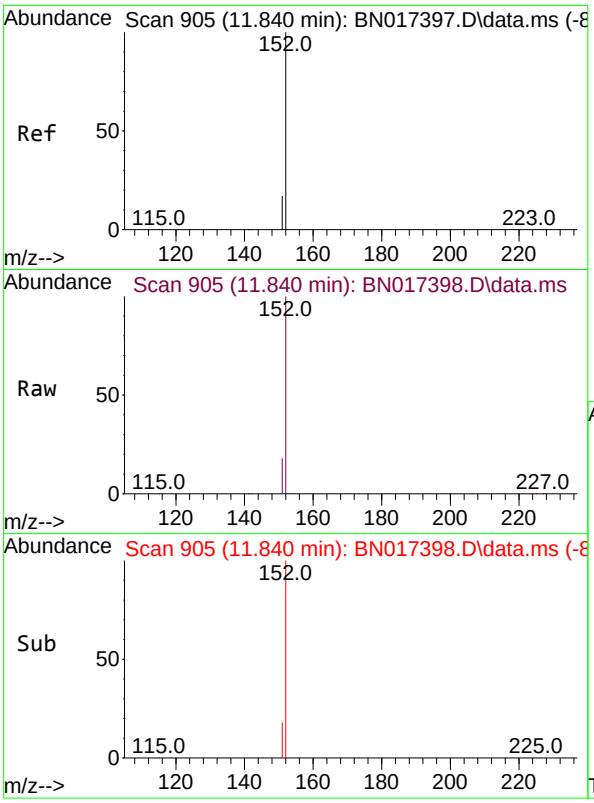


#10
Hexachlorobutadiene
Concen: 0.821 ng
RT: 10.586 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:225 Resp: 44374

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



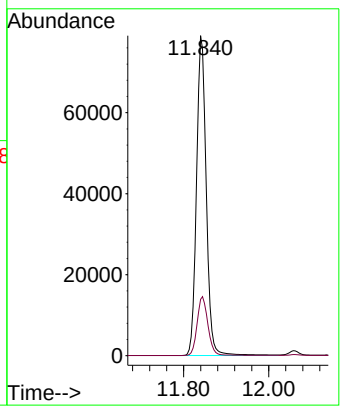


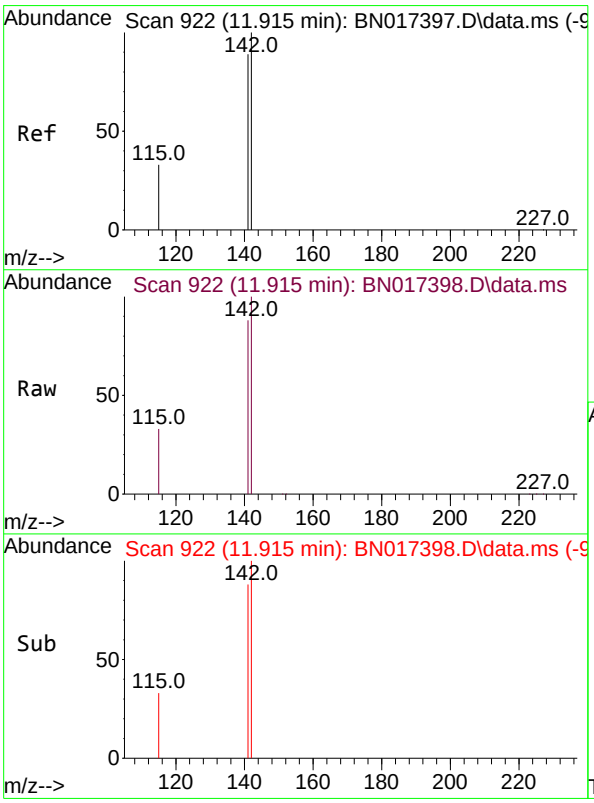
#11
2-Methylnaphthalene-d10
Concen: 0.835 ng
RT: 11.840 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:152 Resp: 125000

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4

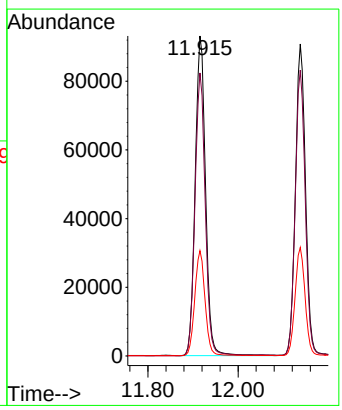


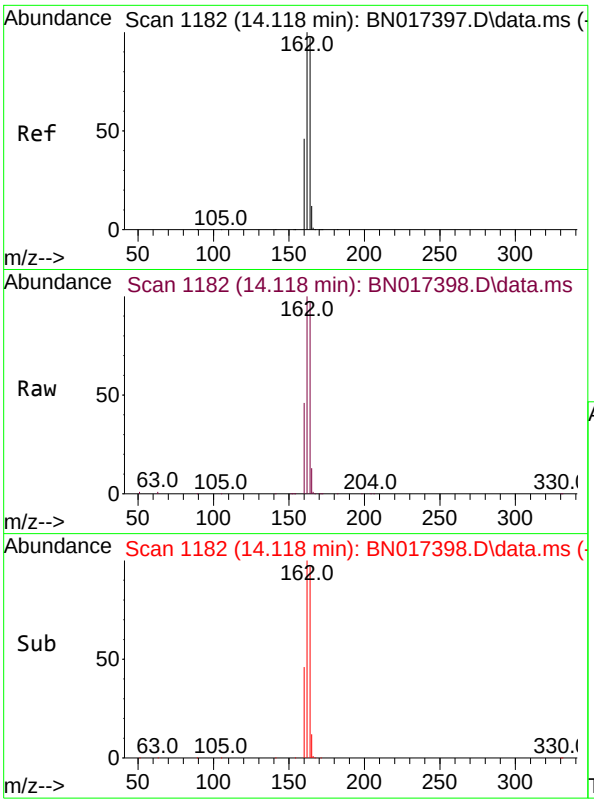


#12
2-Methylnaphthalene
Concen: 0.834 ng
RT: 11.915 min Scan# 922
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:142 Resp: 148523

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.6	106.0
115	32.9	25.8	38.6



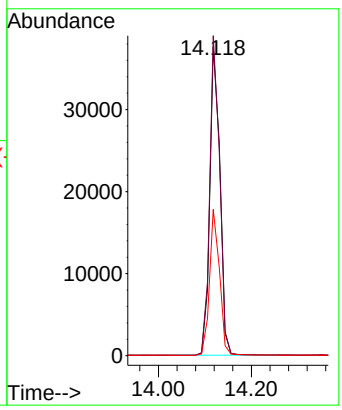


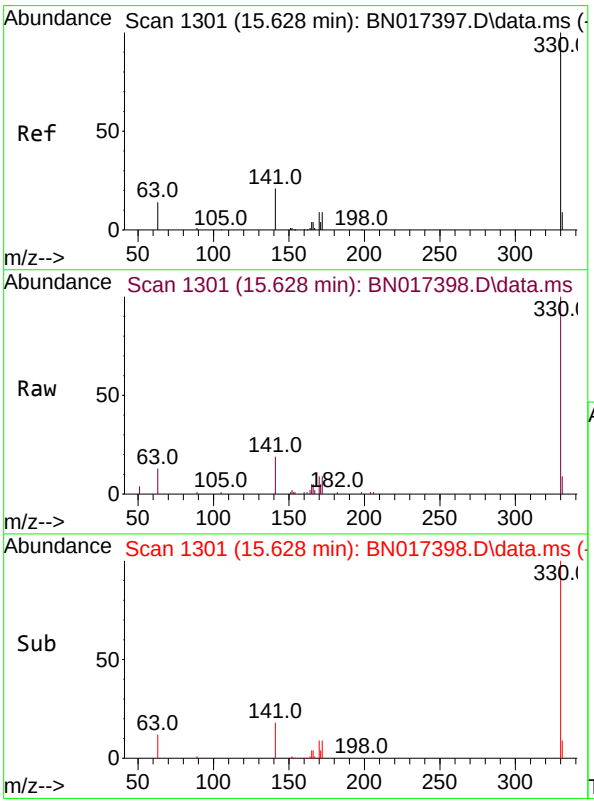
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.118 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:164 Resp: 57274

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.4	122.2
160	47.4	36.8	55.2

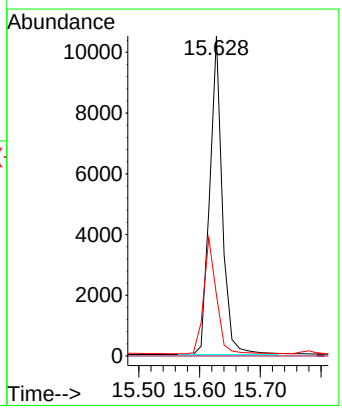


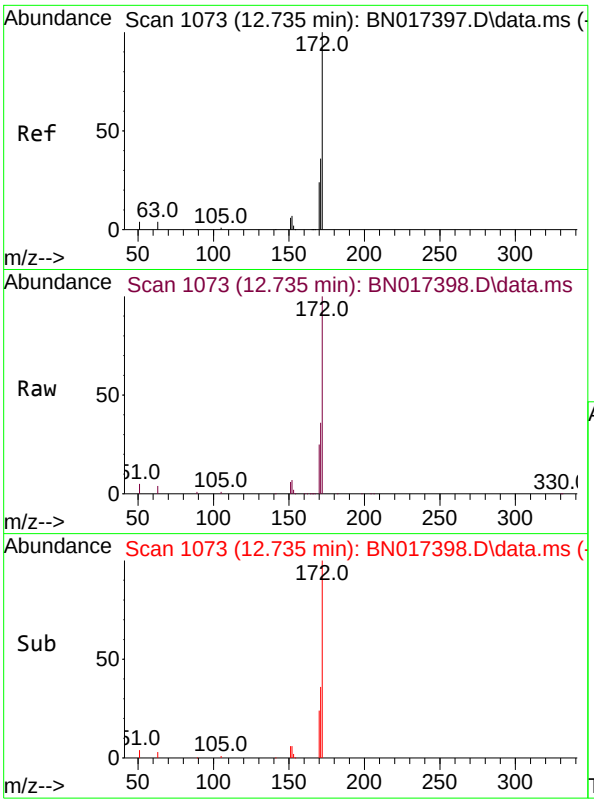


#14
2,4,6-Tribromophenol
Concen: 0.706 ng
RT: 15.628 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:330 Resp: 15090

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.9	28.9	43.3



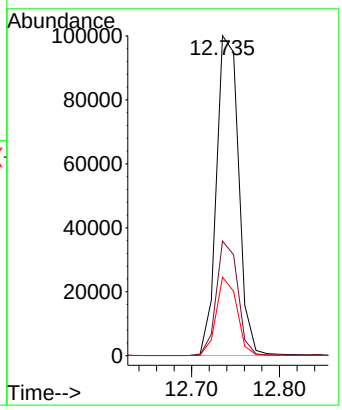


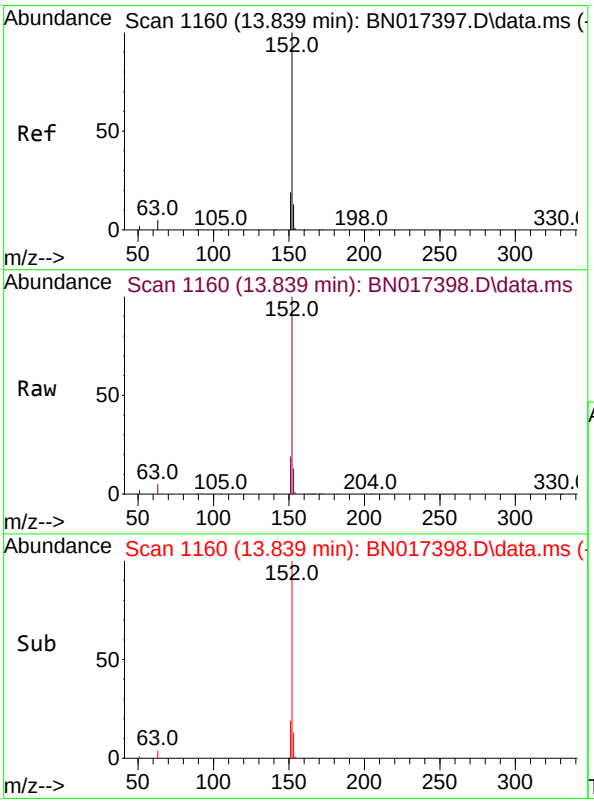
#15
2-Fluorobiphenyl
Concen: 0.800 ng
RT: 12.735 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:172 Resp: 175814

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	24.5	19.4	29.2

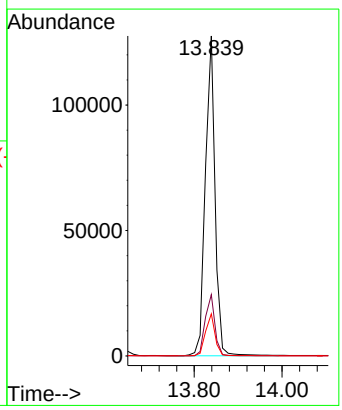


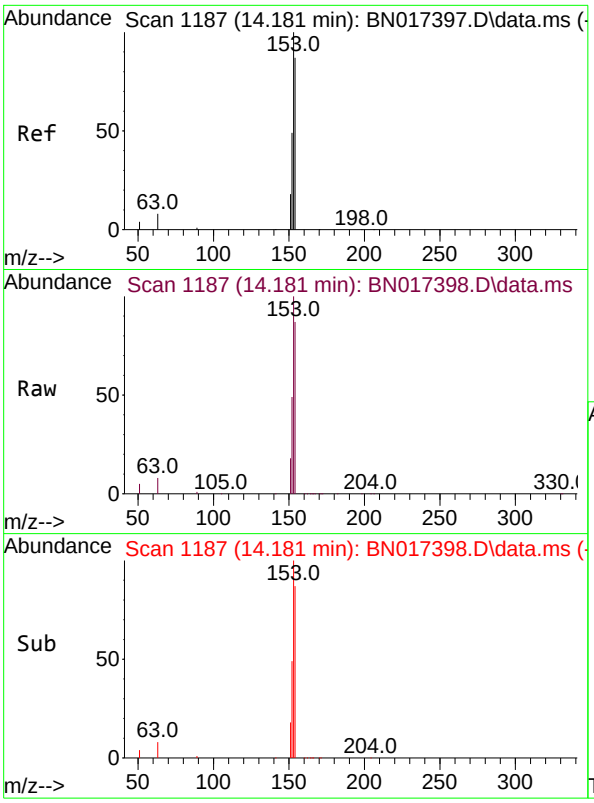


#16
Acenaphthylene
Concen: 0.808 ng
RT: 13.839 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:152 Resp: 194264

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.0	10.4	15.6



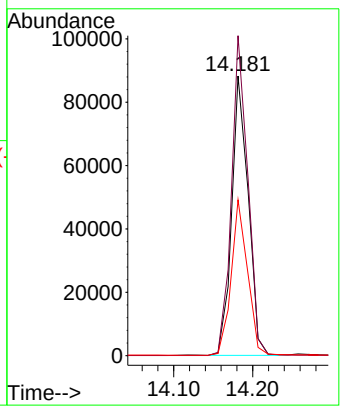


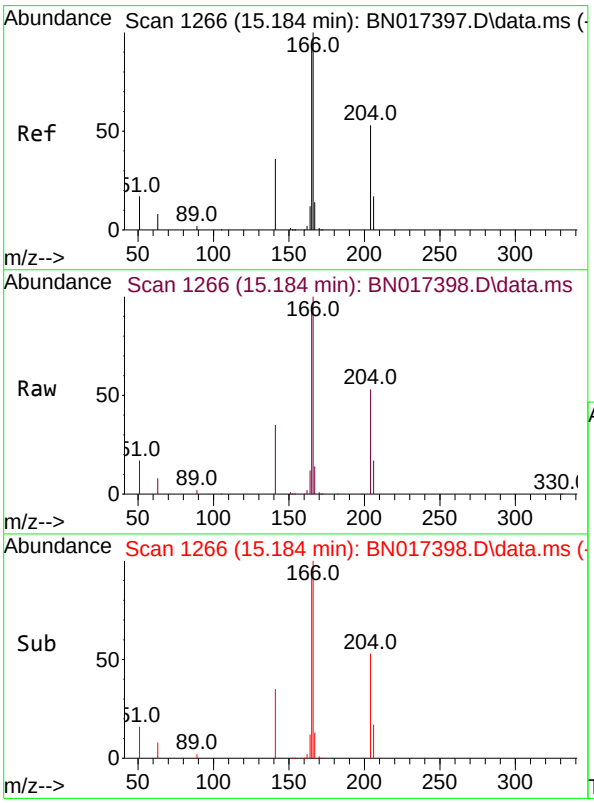
#17
Acenaphthene
Concen: 0.798 ng
RT: 14.181 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:154 Resp: 128211

Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.2	136.8
152	55.2	44.3	66.5

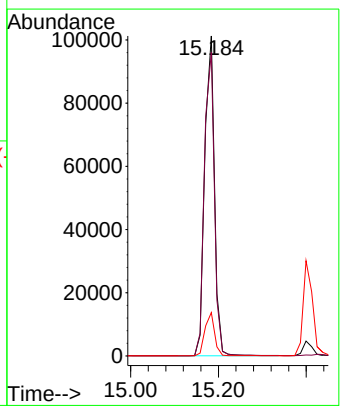


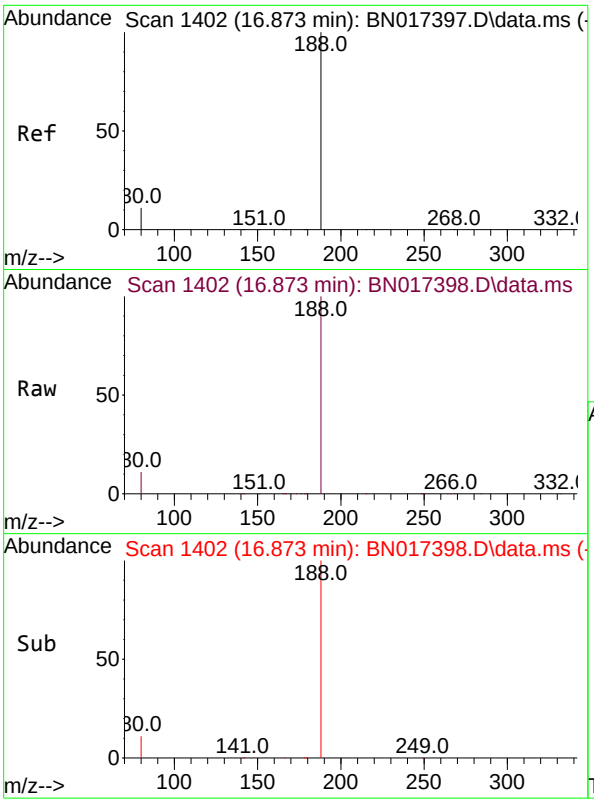


#18
Fluorene
Concen: 0.802 ng
RT: 15.184 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:166 Resp: 155383

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.9	116.9
167	13.4	10.9	16.3



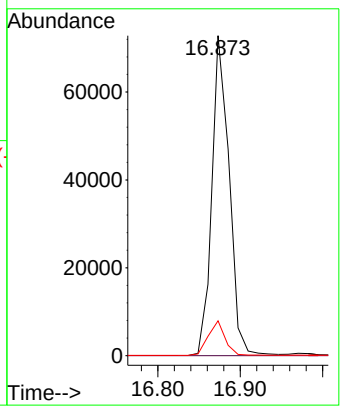


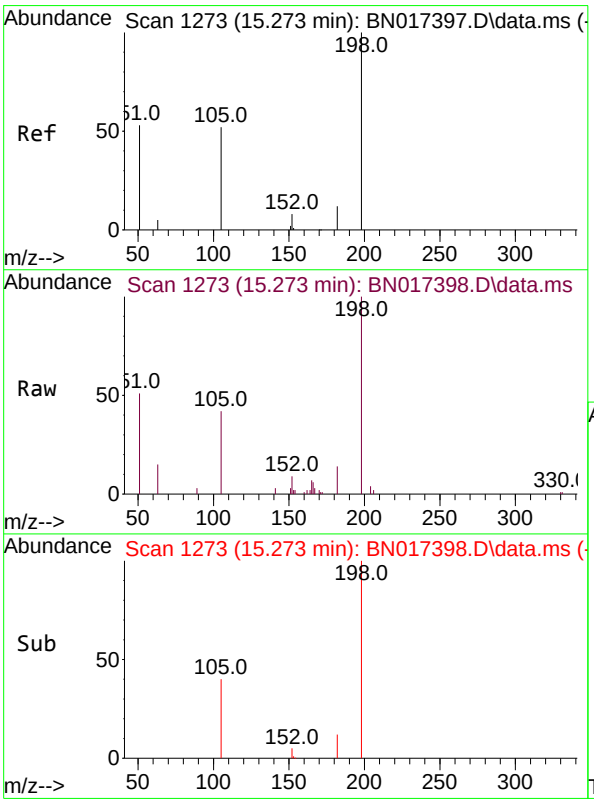
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.873 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:188 Resp: 105765

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	6.1	9.1#

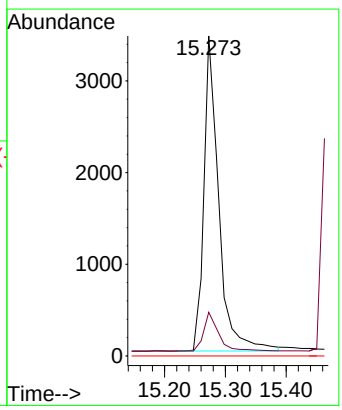


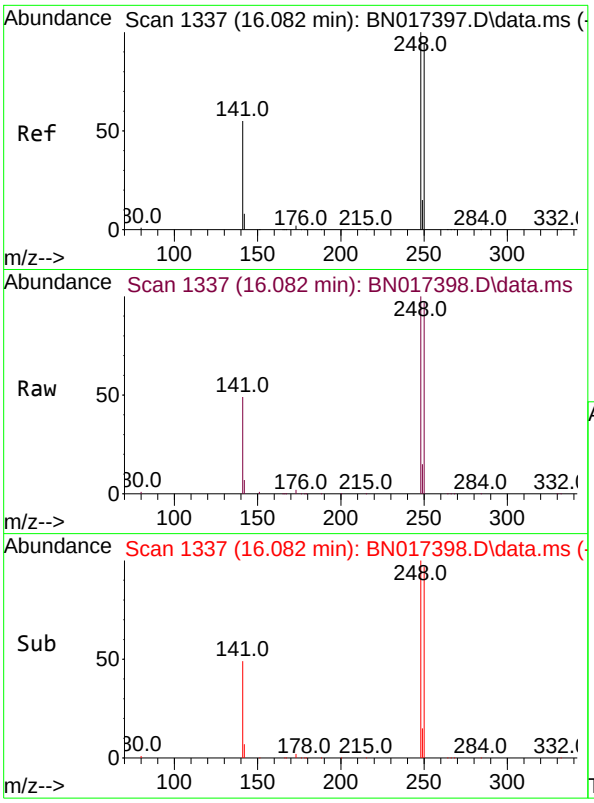


#20
4,6-Dinitro-2-methylphenol
Concen: 0.498 ng
RT: 15.273 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:198 Resp: 5856

Ion	Ratio	Lower	Upper
198	100		
182	13.6	11.4	17.2
77	0.0	0.0	0.0



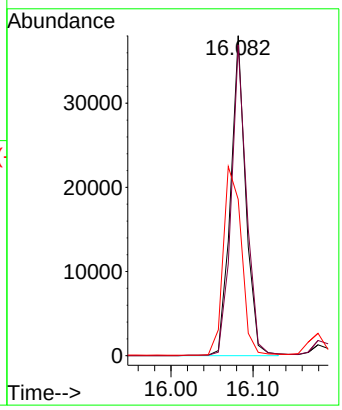


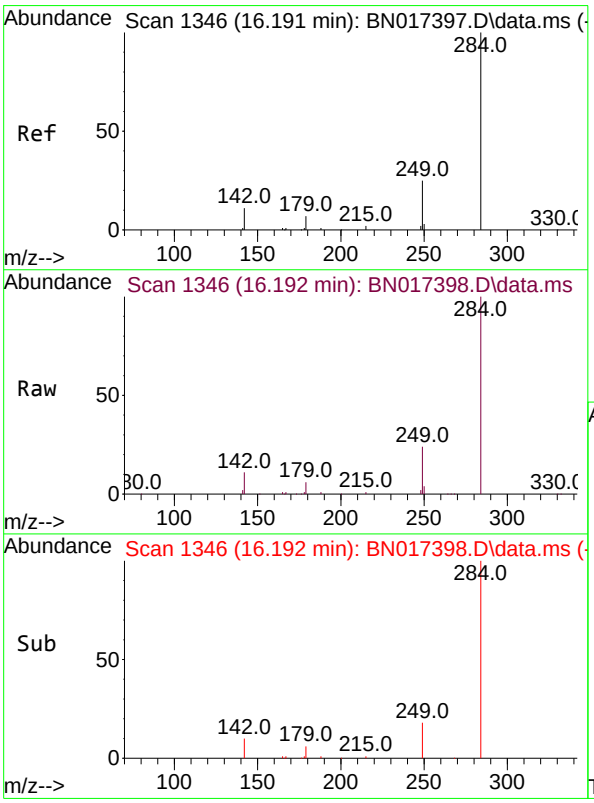
#21
4-Bromophenyl-phenylether
Concen: 0.795 ng
RT: 16.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:248 Resp: 49210

Ion	Ratio	Lower	Upper
248	100		
250	97.1	71.8	107.8
141	48.8	70.9	106.3#

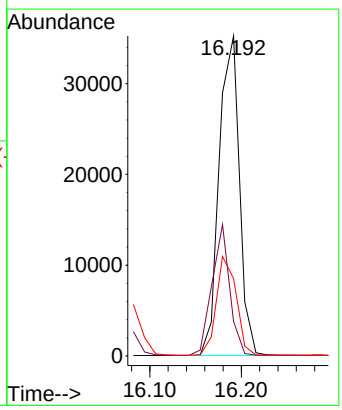


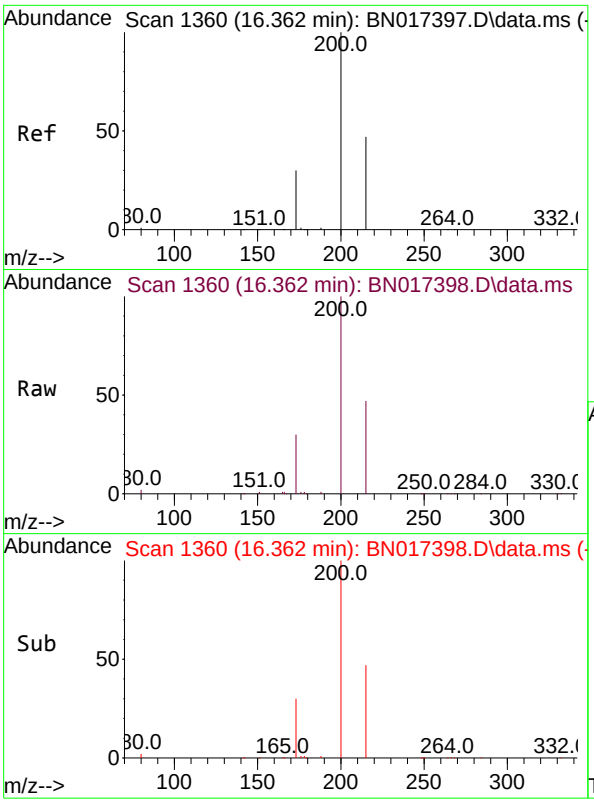


#22
Hexachlorobenzene
Concen: 0.782 ng
RT: 16.192 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:284 Resp: 54188

Ion	Ratio	Lower	Upper
284	100		
142	35.7	28.2	42.2
249	30.3	24.4	36.6



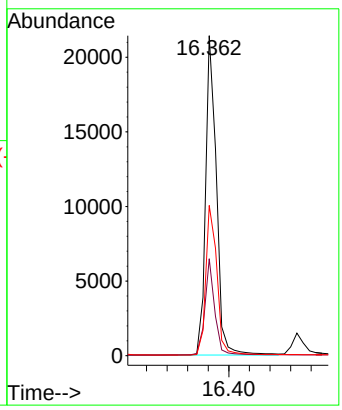


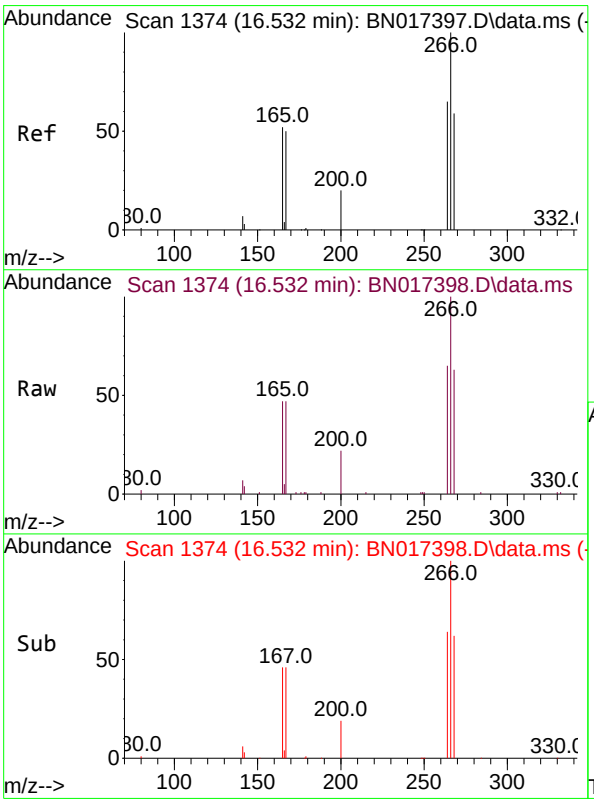
#23
Atrazine
Concen: 0.751 ng
RT: 16.362 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:200 Resp: 31163

Ion	Ratio	Lower	Upper
200	100		
173	30.3	17.6	26.4#
215	46.9	40.2	60.4

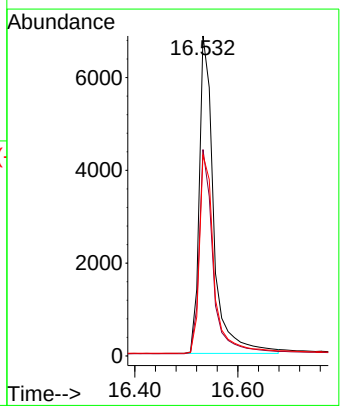


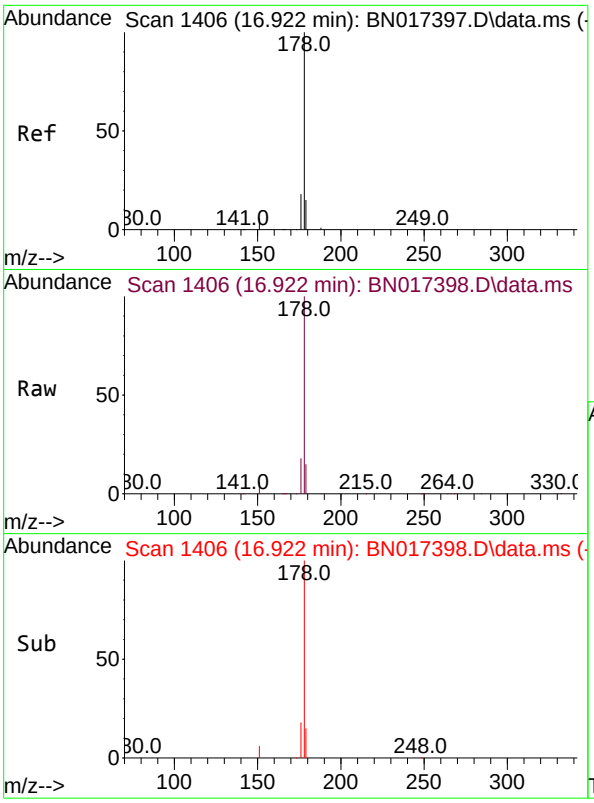


#24
Pentachlorophenol
Concen: 0.584 ng
RT: 16.532 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:266 Resp: 13373

Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.8	74.8
268	63.6	51.3	76.9



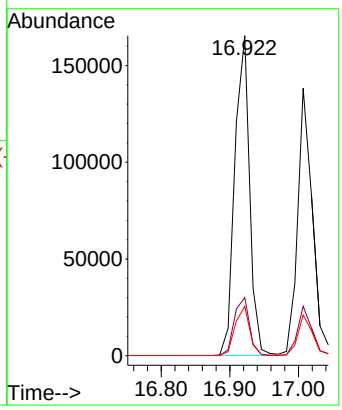


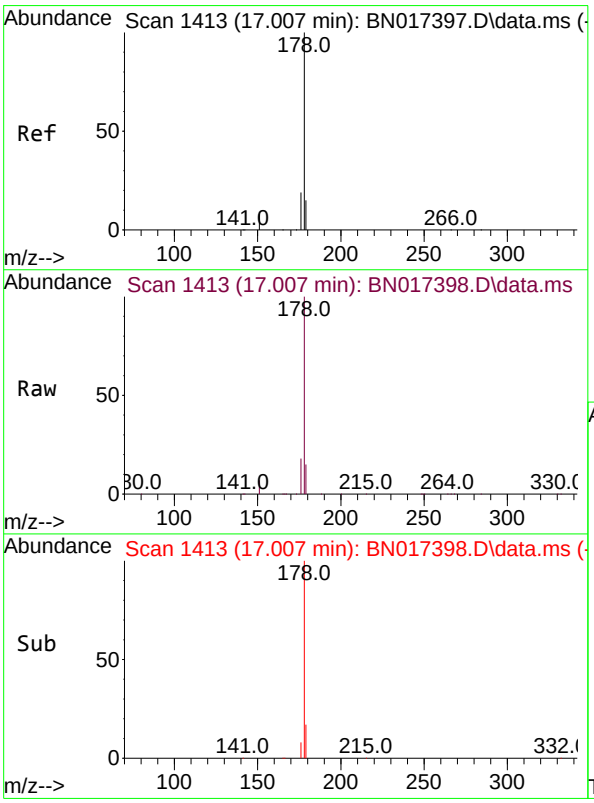
#25
Phenanthrene
Concen: 0.817 ng
RT: 16.922 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:178 Resp: 248694

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.3	18.5

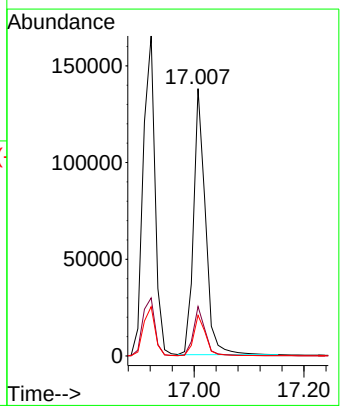


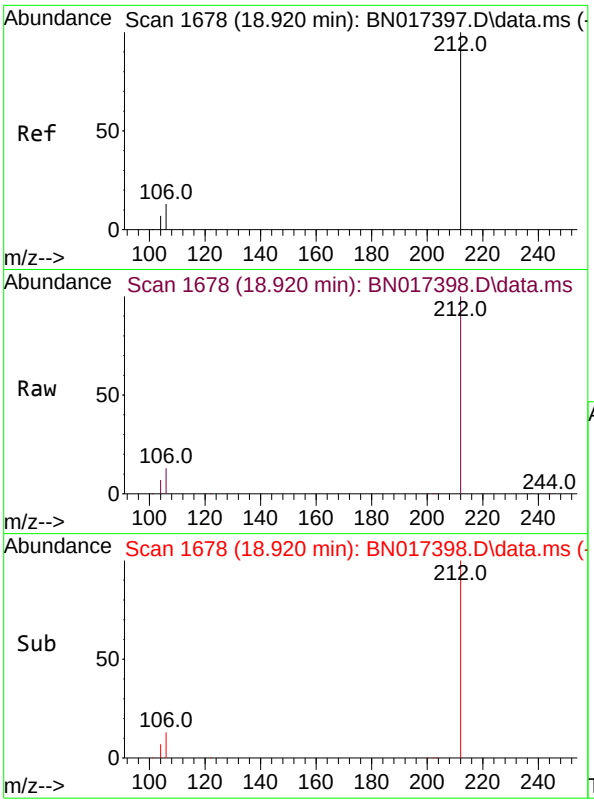


#26
Anthracene
Concen: 0.815 ng
RT: 17.007 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:178 Resp: 207405

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.3	12.2	18.4



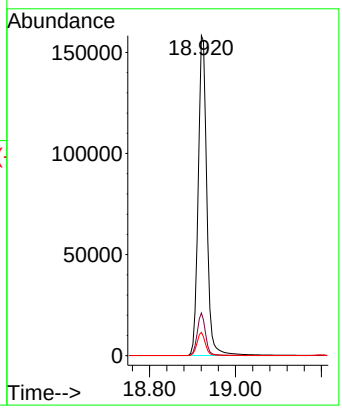


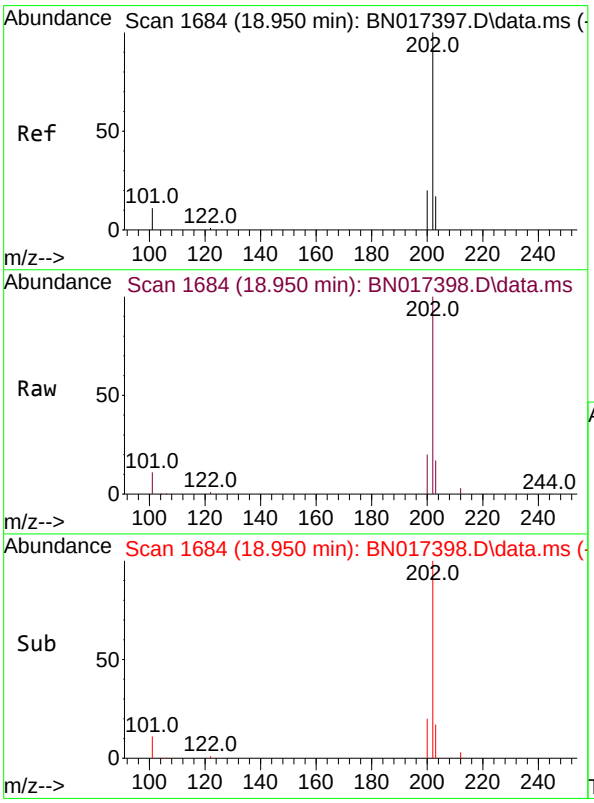
#27
Fluoranthene-d10
Concen: 0.808 ng
RT: 18.920 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:212 Resp: 220411

Ion	Ratio	Lower	Upper
212	100		
106	13.0	10.5	15.7
104	7.1	5.8	8.6

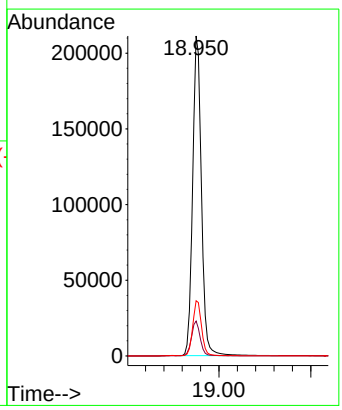


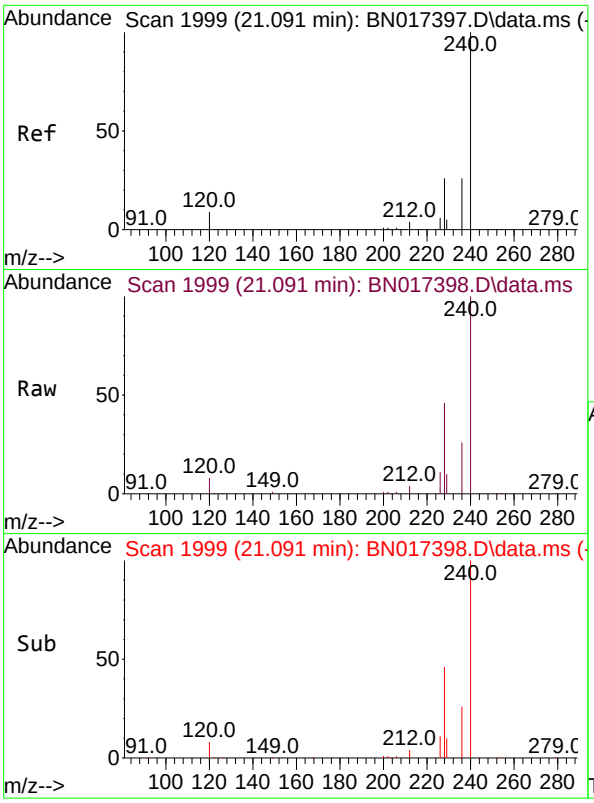


#28
Fluoranthene
Concen: 0.835 ng
RT: 18.950 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:202 Resp: 281118

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
203	17.4	13.8	20.6



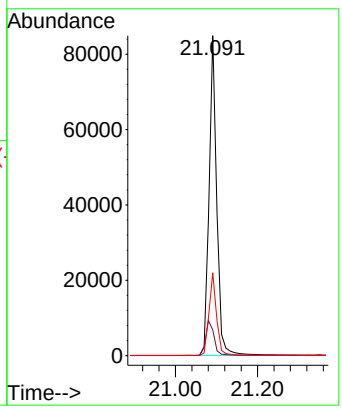


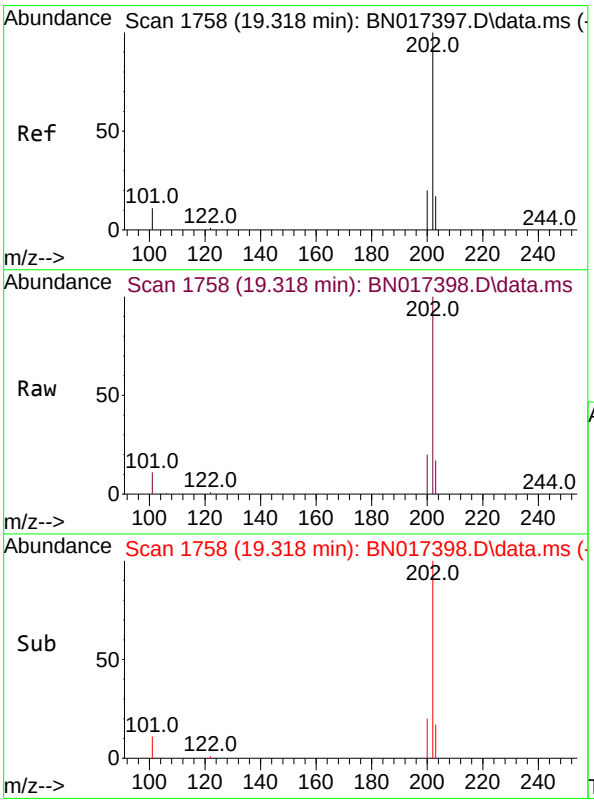
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.091 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:240 Resp: 110089

Ion	Ratio	Lower	Upper
240	100		
120	8.1	4.2	6.2#
236	25.9	20.0	30.0

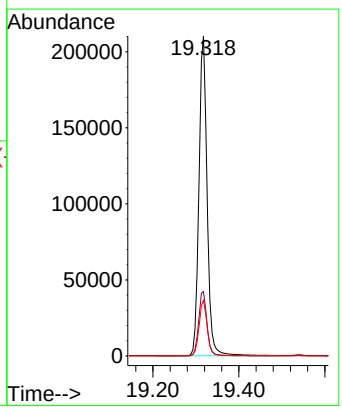


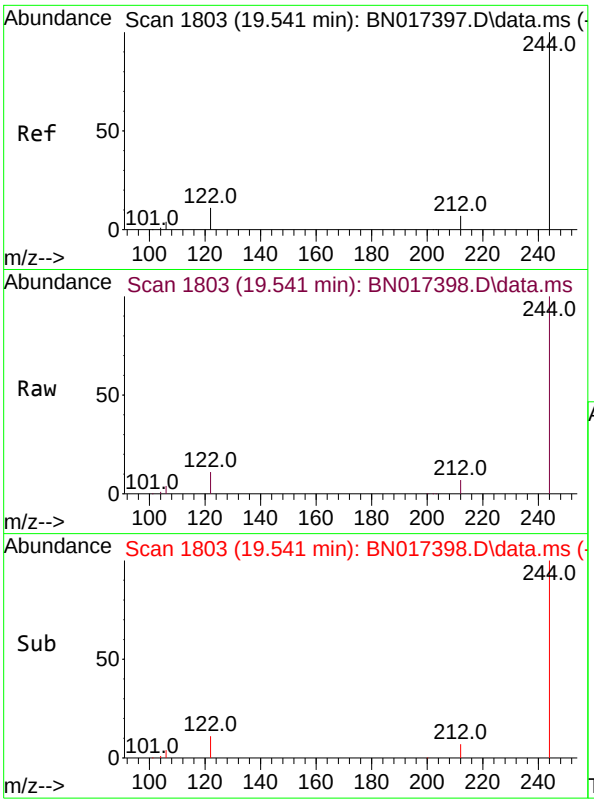


#30
Pyrene
Concen: 0.806 ng
RT: 19.318 min Scan# 1758
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:202 Resp: 276893

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.4	14.0	21.0



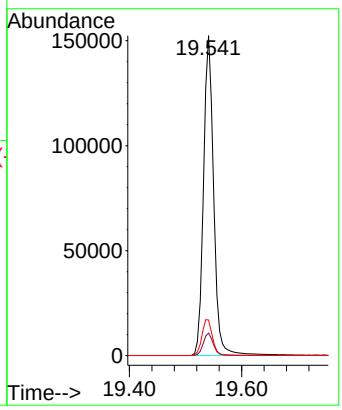


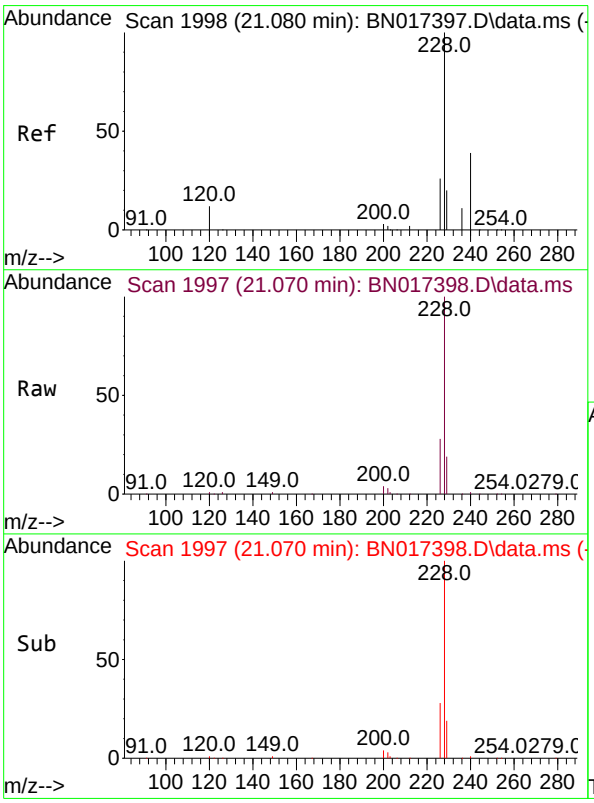
#31
Terphenyl-d14
Concen: 0.821 ng
RT: 19.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:244 Resp: 191755

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.2	8.6	13.0

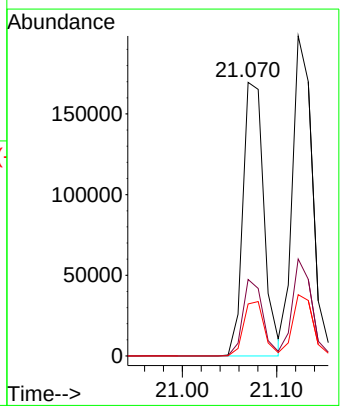


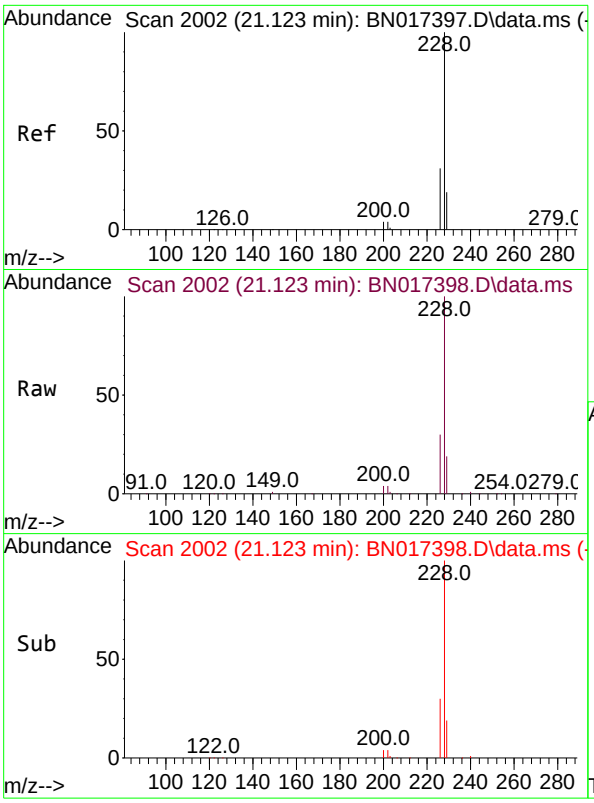


#32
Benzo(a)anthracene
Concen: 0.791 ng
RT: 21.070 min Scan# 1997
Delta R.T. -0.011 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:228 Resp: 261515

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.3	31.9
229	19.0	15.7	23.5



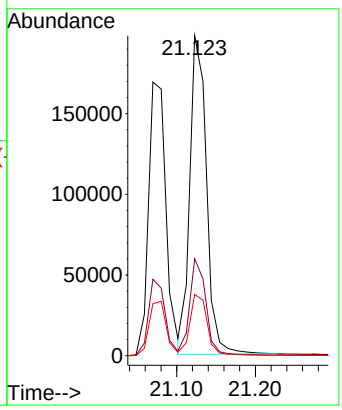


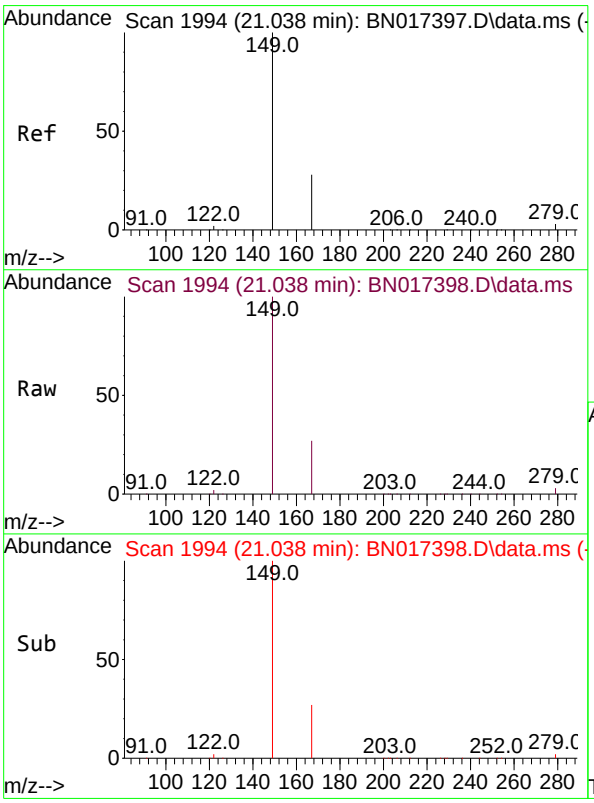
#33
Chrysene
Concen: 0.804 ng
RT: 21.123 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:228 Resp: 292263

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.3	34.9
229	19.2	15.6	23.4

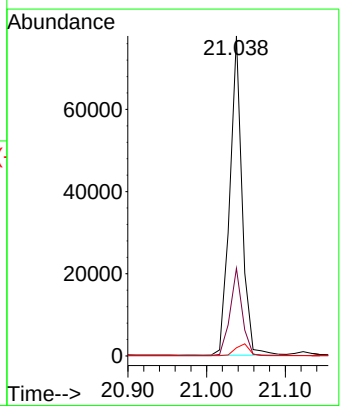


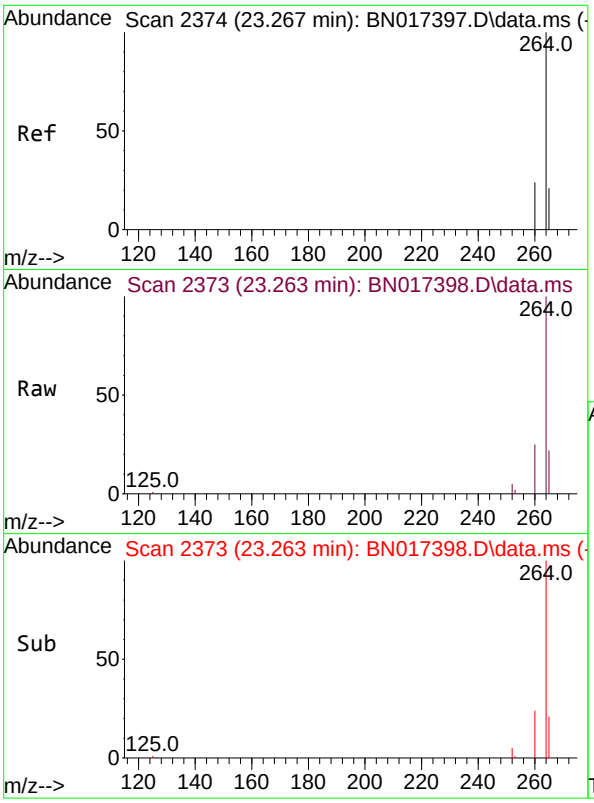


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.535 ng
RT: 21.038 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:149 Resp: 84037

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.1	3.4	5.0



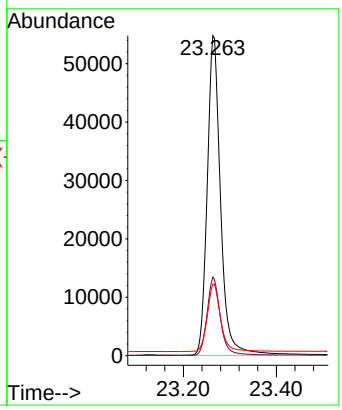


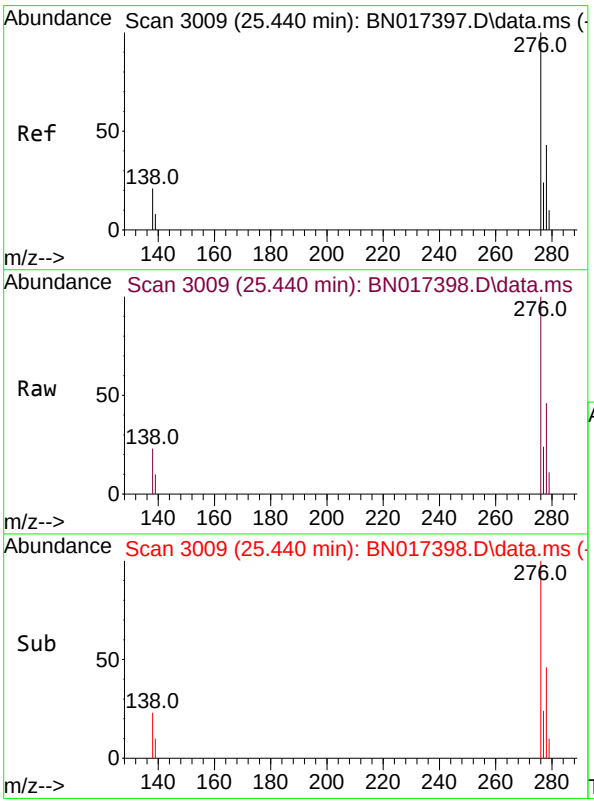
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.263 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:264 Resp: 108477

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.4	18.6	28.0

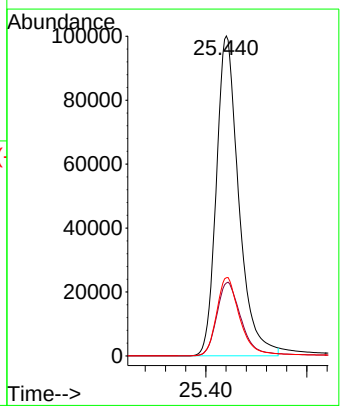


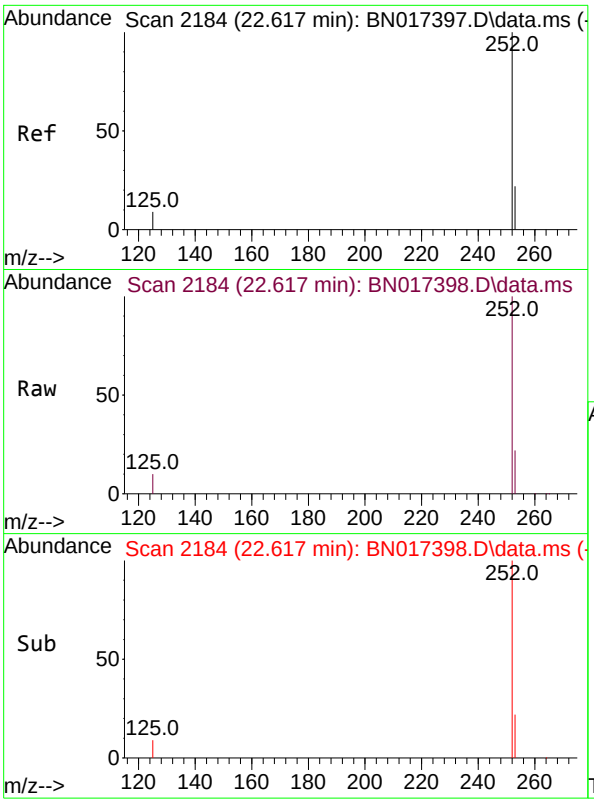


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.748 ng
RT: 25.440 min Scan# 3009
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:276 Resp: 308647

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.7	29.5
277	25.1	20.0	30.0



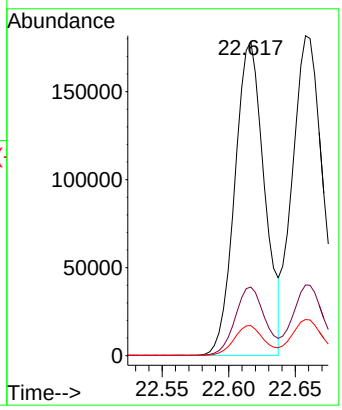


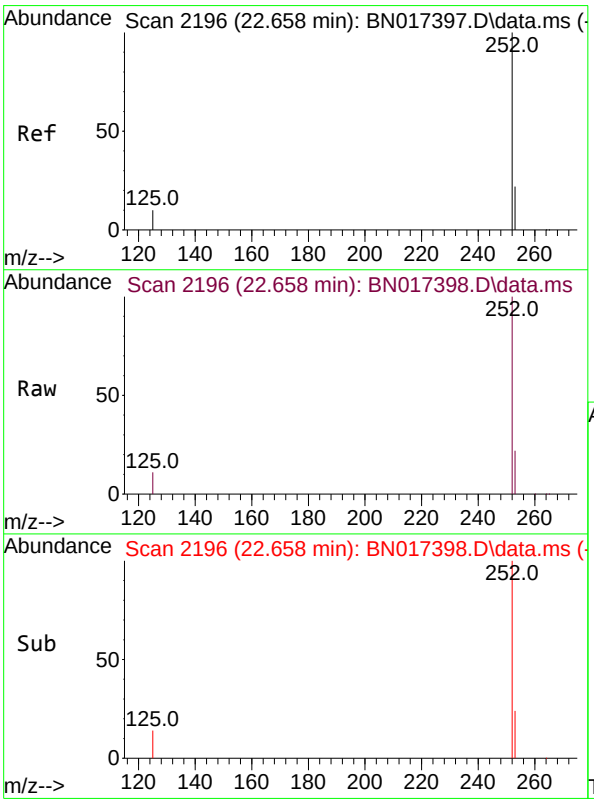
#37
Benzo(b)fluoranthene
Concen: 0.830 ng
RT: 22.617 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:252 Resp: 275926

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.6	7.8	11.8

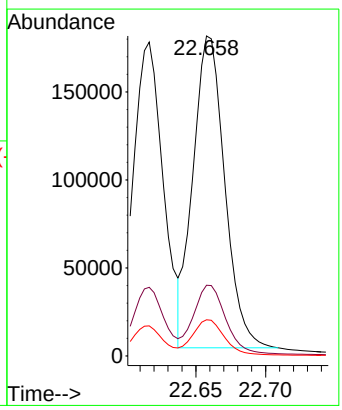


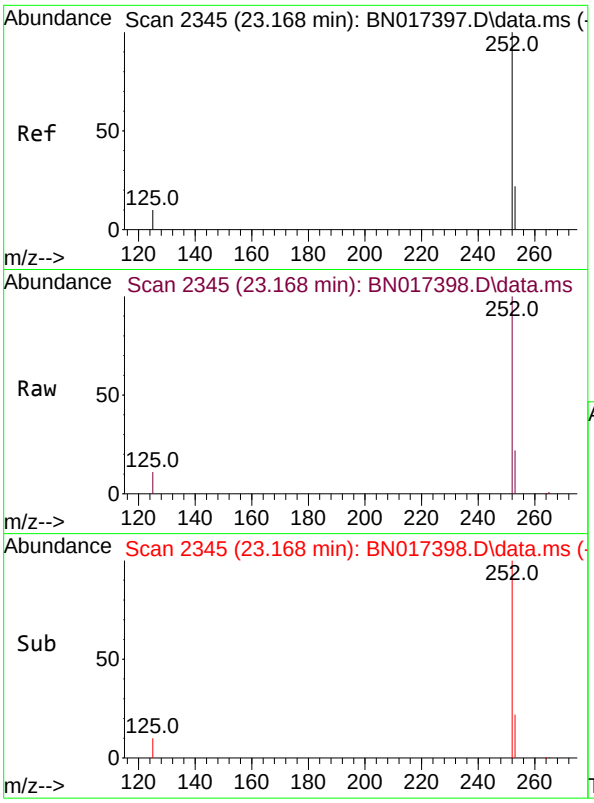


#38
Benzo(k)fluoranthene
Concen: 0.791 ng
RT: 22.658 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:252 Resp: 280520

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.3	8.2	12.2



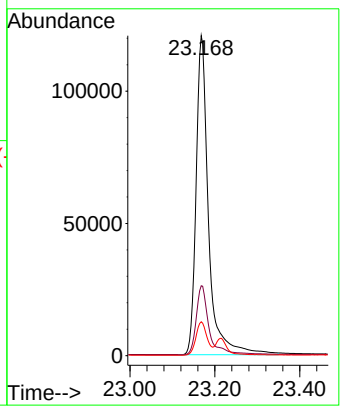


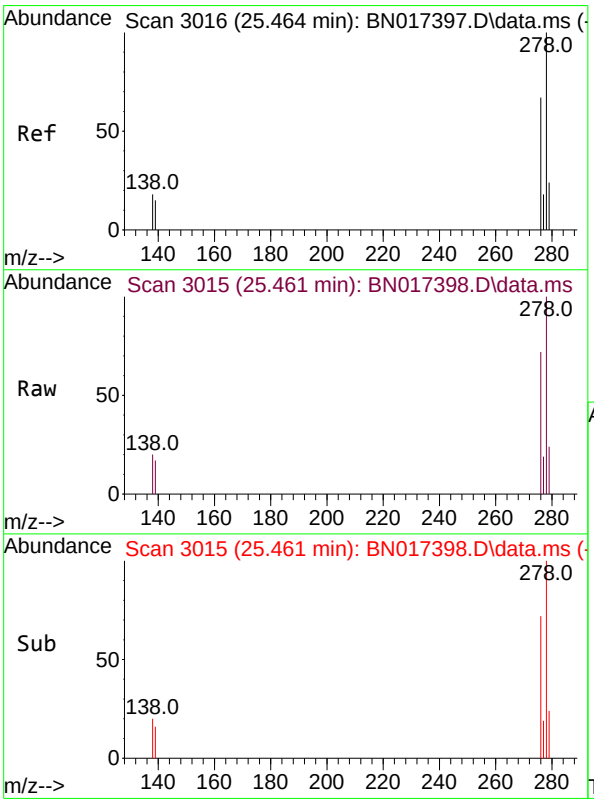
#39
Benzo(a)pyrene
Concen: 0.801 ng
RT: 23.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:252 Resp: 245069

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	10.6	9.2	13.8

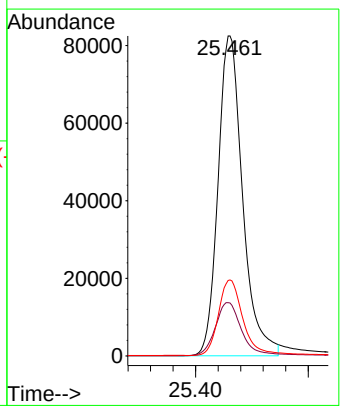


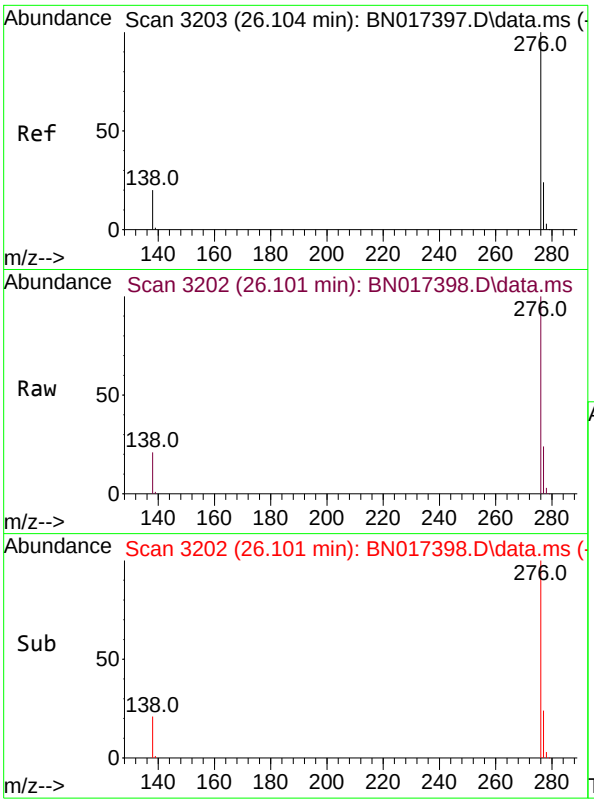


#40
Dibenzo(a,h)anthracene
Concen: 0.747 ng
RT: 25.461 min Scan# 3015
Delta R.T. -0.003 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Tgt Ion:278 Resp: 249369

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.0	19.6
279	23.7	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 0.740 ng
RT: 26.101 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN017398.D
Acq: 12 Nov 2021 10:18

Instrument :
BNA_F
ClientSampleId :
SSTD0.8239

Tgt Ion:276 Resp: 268069

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	20.9	17.1	25.7