Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111221\
Data File : BN017399.D
Acq On : 12 Nov 2021 10:55
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Quant Time: Nov 12 13:24:11 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	28437	0.400	ng		0.00
7) Naphthalene-d8	10.243	136	119327	0.400	ng		0.00
13) Acenaphthene-d10	14.118	164	65364	0.400	ng		0.00
19) Phenanthrene-d10	16.873	188	118806	0.400	ng	#	0.00
29) Chrysene-d12	21.091	240	118318	0.400	ng	#	0.00
35) Perylene-d12	23.264	264	114334	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.081	112	107429	1.643	ng		0.00
5) Phenol-d6	6.667	99	121012	1.672	ng		0.00
8) Nitrobenzene-d5	8.621	82	128320	1.626	ng		0.00
11) 2-Methylnaphthalene-d10	11.840	152	290823	1.726	ng		0.00
14) 2,4,6-Tribromophenol	15.628	330	40073	1.643	ng		0.00
15) 2-Fluorobiphenyl	12.735	172	416104	1.659	ng		0.00
27) Fluoranthene-d10	18.921	212	518482	1.691	ng		0.00
31) Terphenyl-d14	19.541	244	433353	1.726	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.052	88	28593	2.257	ng	#	82
3) n-Nitrosodimethylamine	3.384	42	46104	1.639	ng		94
6) bis(2-Chloroethyl)ether	6.915	93	126004	1.647	ng		98
9) Naphthalene	10.281	128	511124	1.593	ng		100
10) Hexachlorobutadiene	10.586	225	103766	1.706	ng	#	100
12) 2-Methylnaphthalene	11.915	142	338828	1.691	ng		99
16) Acenaphthylene	13.839	152	477142	1.739	ng		100
17) Acenaphthene	14.181	154	303580	1.656	ng		99
18) Fluorene	15.184	166	368641	1.668	ng		100
20) 4,6-Dinitro-2-methylph...	15.273	198	18774	1.420	ng		94
21) 4-Bromophenyl-phenylether	16.082	248	118615	1.705	ng	#	74
22) Hexachlorobenzene	16.192	284	127442	1.638	ng		99
23) Atrazine	16.362	200	83746	1.796	ng	#	91
24) Pentachlorophenol	16.532	266	40828	1.586	ng		99
25) Phenanthrene	16.922	178	570889	1.670	ng		100
26) Anthracene	17.007	178	505157	1.767	ng		100
28) Fluoranthene	18.950	202	636335	1.683	ng		99
30) Pyrene	19.318	202	643576	1.742	ng		100
32) Benzo(a)anthracene	21.080	228	633610	1.783	ng		98
33) Chrysene	21.123	228	642054	1.644	ng		98
34) Bis(2-ethylhexyl)phtha...	21.038	149	252347	1.495	ng		99
36) Indeno(1,2,3-cd)pyrene	25.440	276	693410	1.594	ng		99
37) Benzo(b)fluoranthene	22.617	252	631245	1.801	ng		99
38) Benzo(k)fluoranthene	22.658	252	620780	1.660	ng		100
39) Benzo(a)pyrene	23.168	252	565202	1.753	ng		98
40) Dibenzo(a,h)anthracene	25.458	278	562571	1.599	ng		99
41) Benzo(g,h,i)perylene	26.101	276	602836	1.579	ng		99

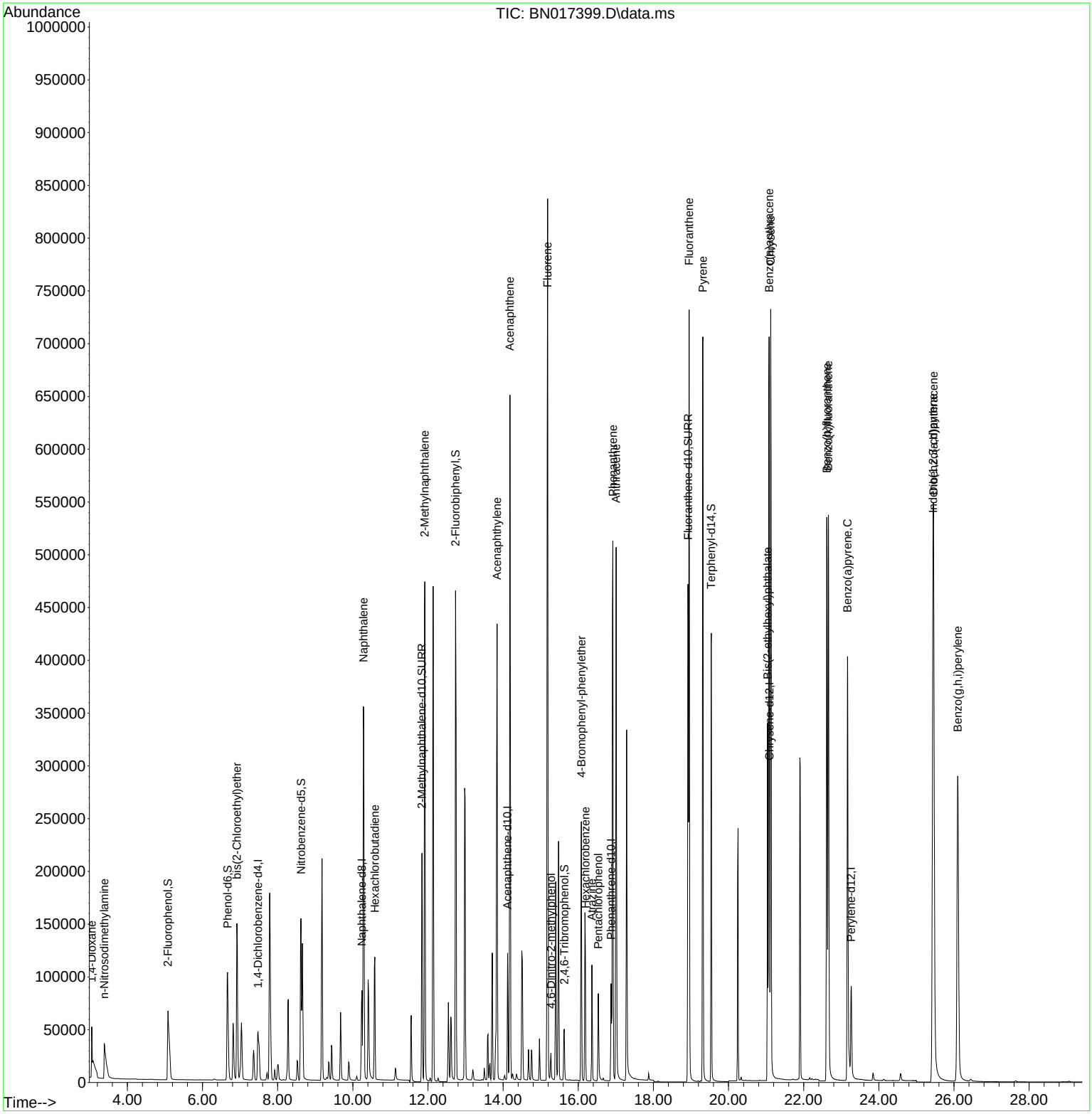
(#) = qualifier out of range (m) = manual integration (+) = signals summed

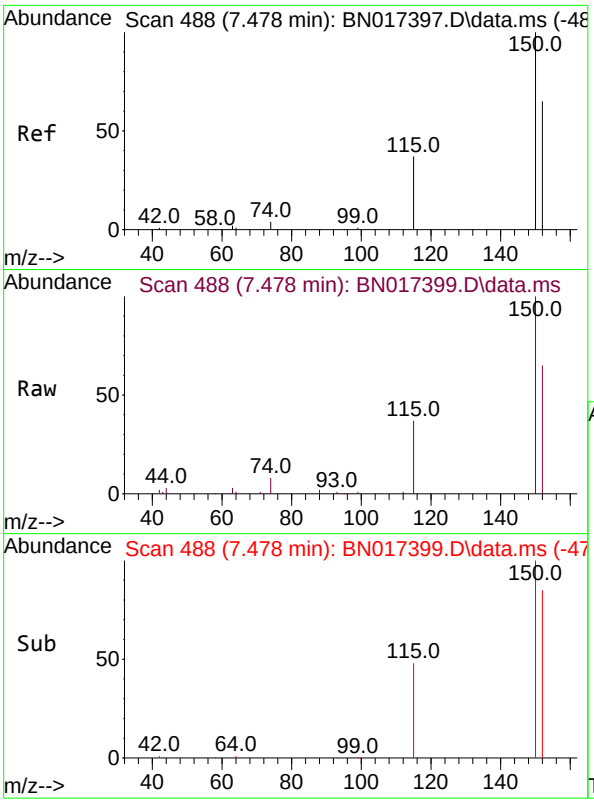
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111221\
Data File : BN017399.D
Acq On : 12 Nov 2021 10:55
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Quant Time: Nov 12 13:24:11 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



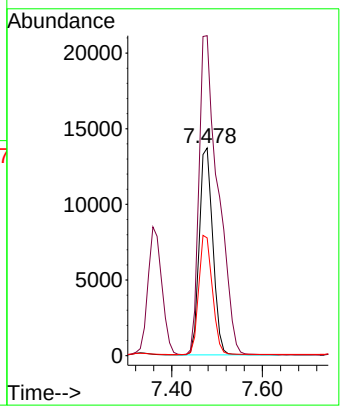


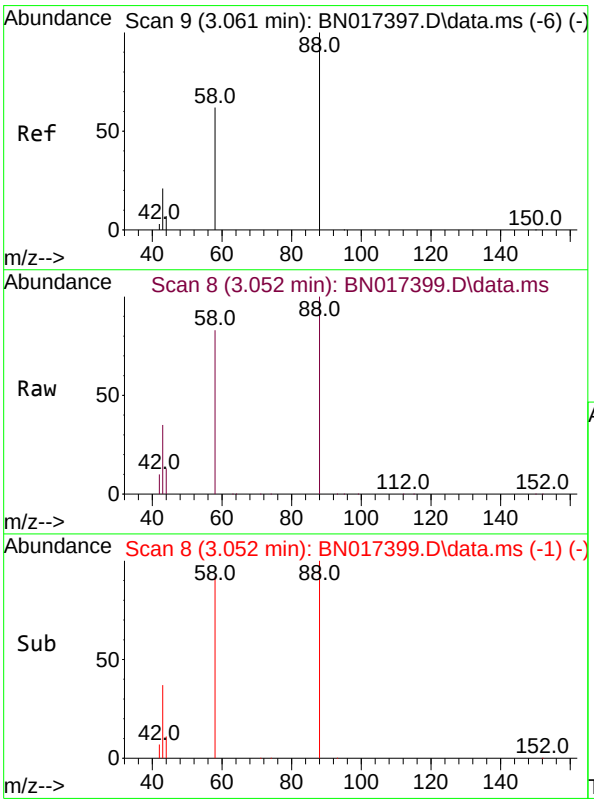
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.478 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:152 Resp: 28437

Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.0	184.4
115	56.7	45.6	68.4

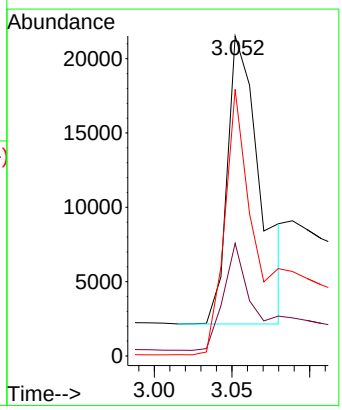


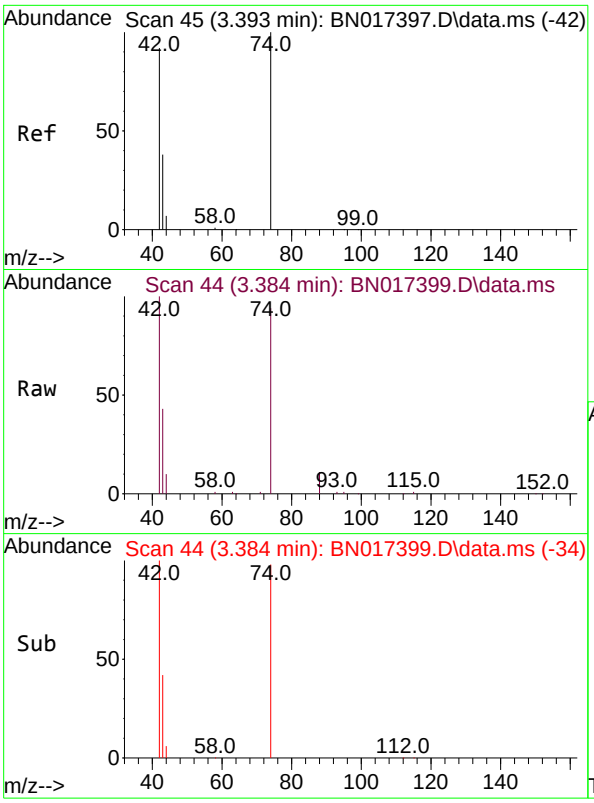


#2
1,4-Dioxane
Concen: 2.257 ng
RT: 3.052 min Scan# 8
Delta R.T. -0.009 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion: 88 Resp: 28593

Ion	Ratio	Lower	Upper
88	100		
43	38.7	24.7	37.1#
58	96.2	63.0	94.6#



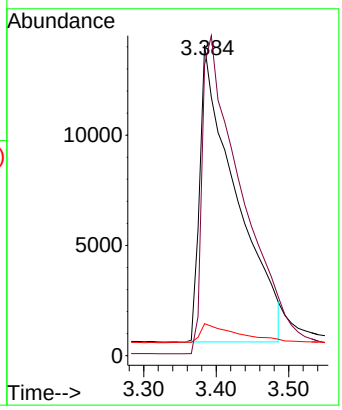


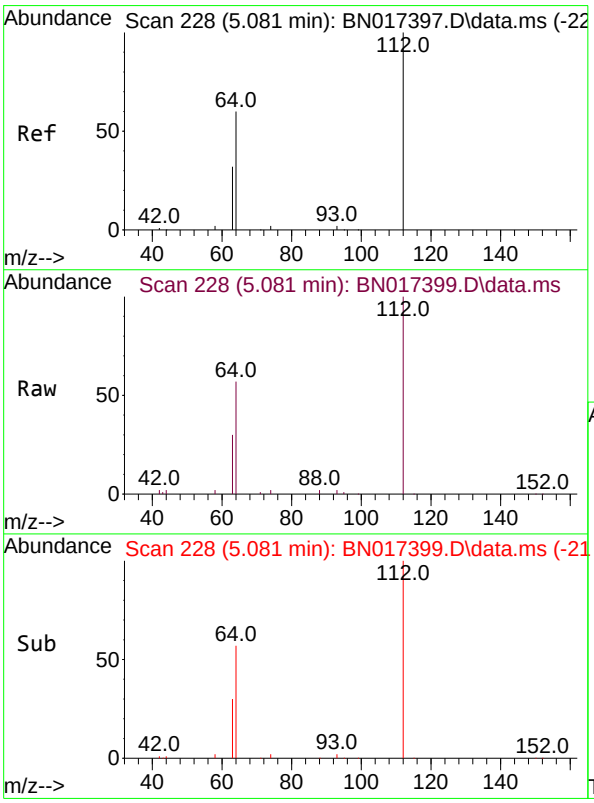
#3
n-Nitrosodimethylamine
Concen: 1.639 ng
RT: 3.384 min Scan# 44
Delta R.T. -0.009 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion: 42 Resp: 46104

Ion	Ratio	Lower	Upper
42	100		
74	115.6	97.8	146.6
44	6.7	5.5	8.3

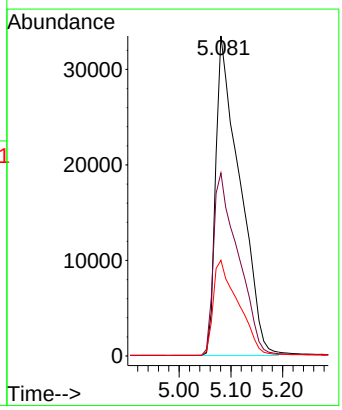


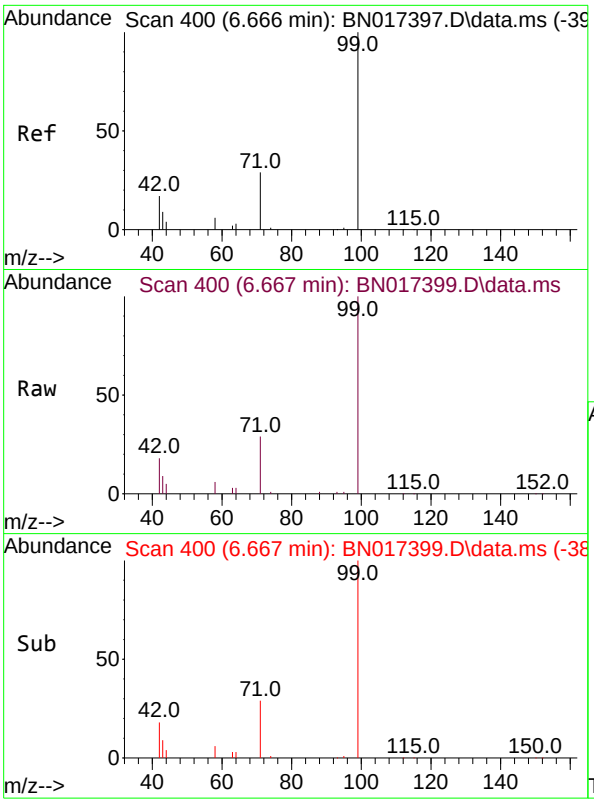


#4
2-Fluorophenol
Concen: 1.643 ng
RT: 5.081 min Scan# 228
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:112 Resp: 107429

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.6	71.4
63	30.7	24.6	37.0



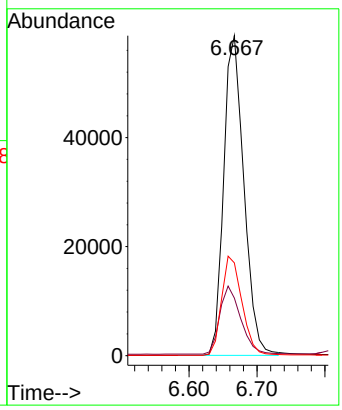


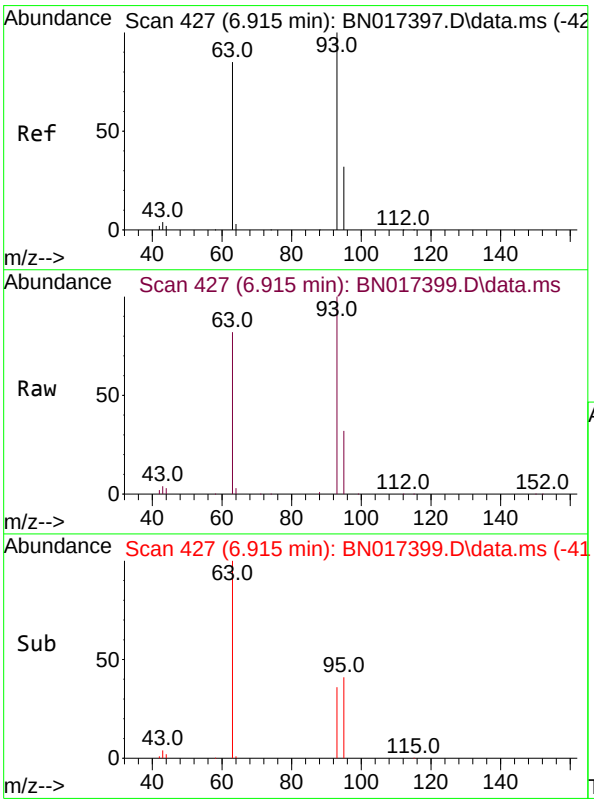
#5
Phenol-d6
Concen: 1.672 ng
RT: 6.667 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion: 99 Resp: 121012

Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.0	25.6
71	31.2	24.8	37.2

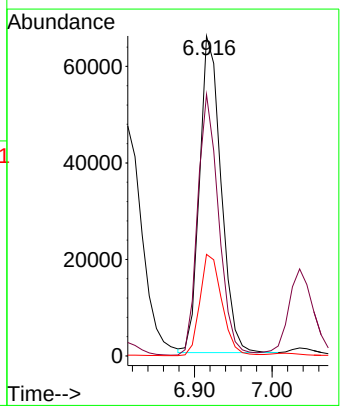


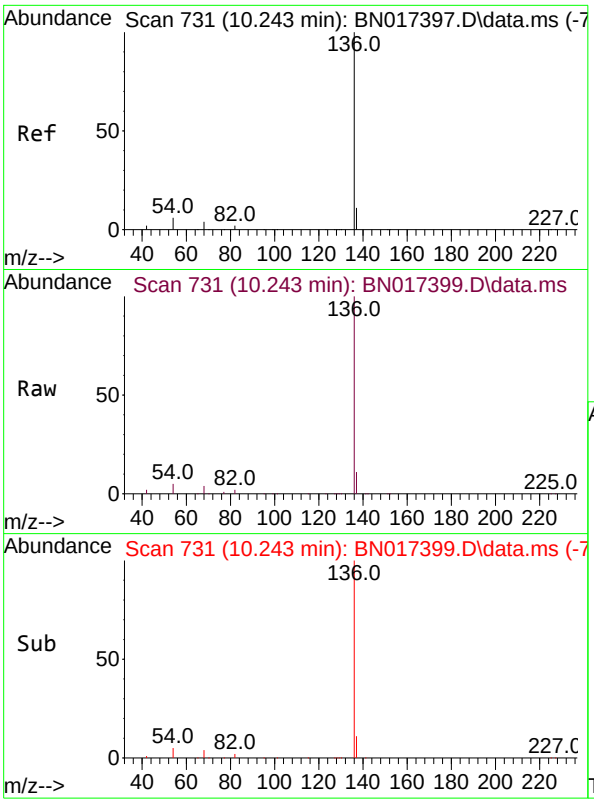


#6
bis(2-Chloroethyl)ether
Concen: 1.647 ng
RT: 6.915 min Scan# 427
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion: 93 Resp: 126004

Ion	Ratio	Lower	Upper
93	100		
63	80.6	65.8	98.6
95	32.8	26.6	39.8



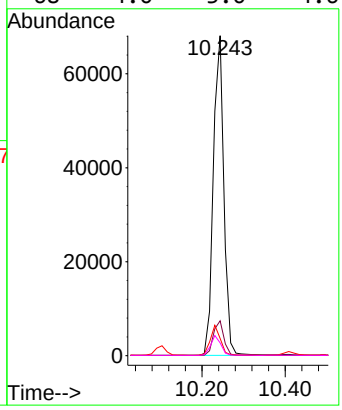


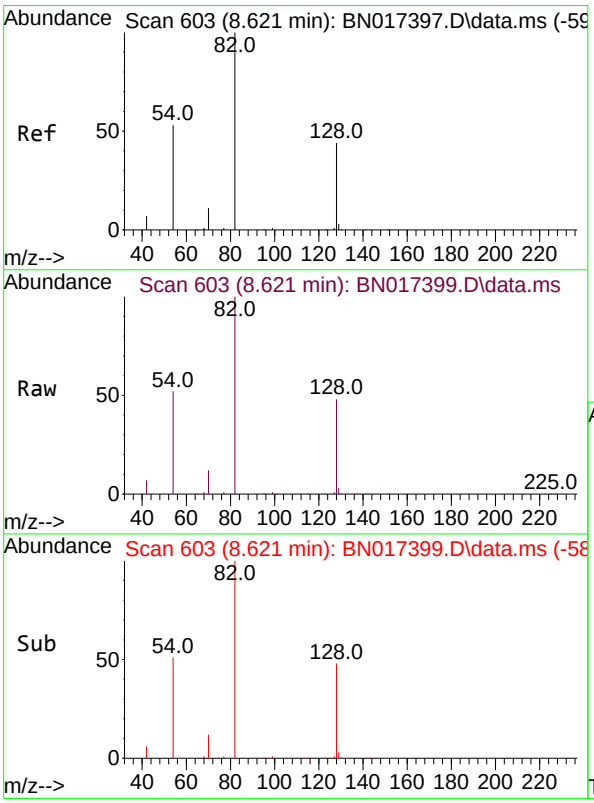
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.243 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:136 Resp: 119327

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.4	4.0	6.0
68	4.0	3.0	4.6

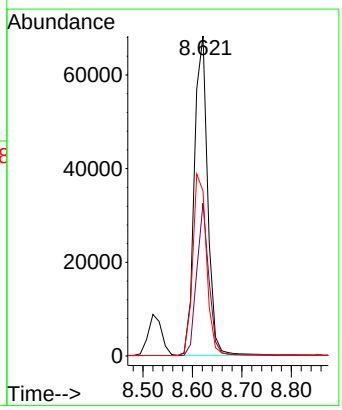


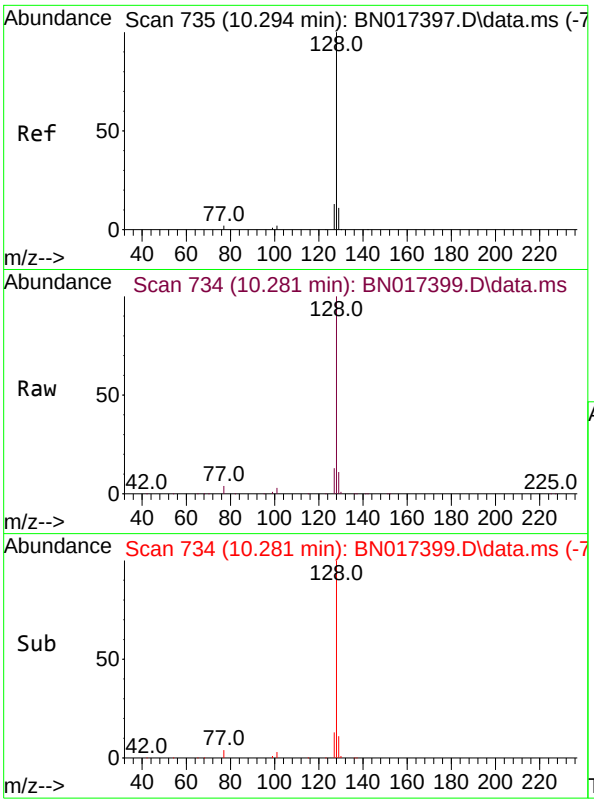


#8
Nitrobenzene-d5
Concen: 1.626 ng
RT: 8.621 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion: 82 Resp: 128320

Ion	Ratio	Lower	Upper
82	100		
128	47.8	27.7	41.5#
54	51.5	49.2	73.8



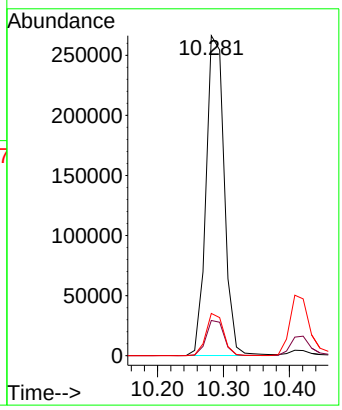


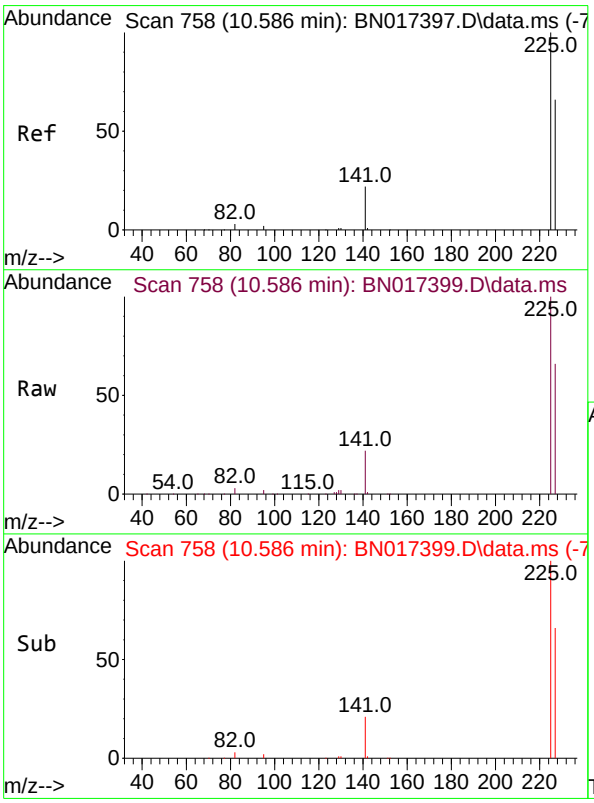
#9
Naphthalene
Concen: 1.593 ng
RT: 10.281 min Scan# 7
Delta R.T. -0.013 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:128 Resp: 511124

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

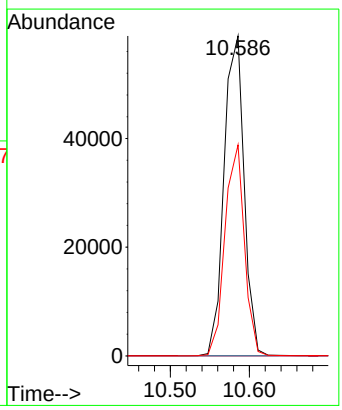


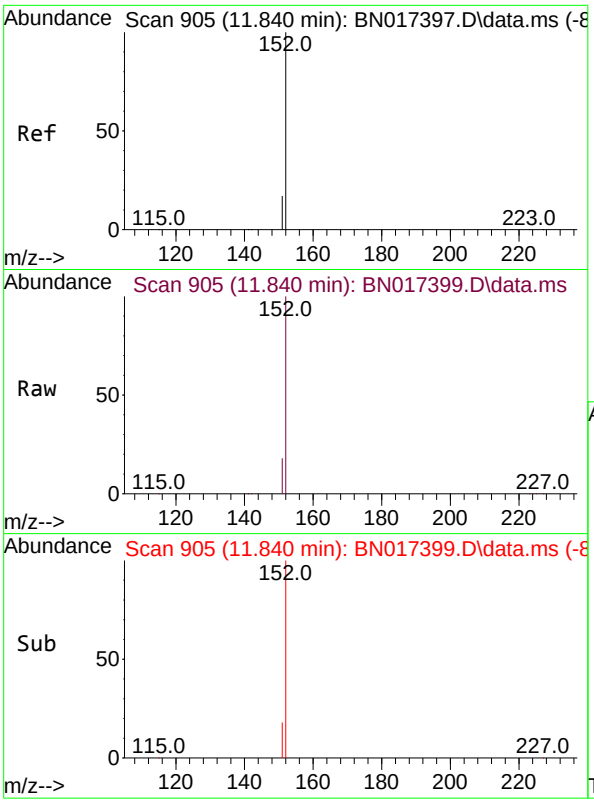


#10
Hexachlorobutadiene
Concen: 1.706 ng
RT: 10.586 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:225 Resp: 103766

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



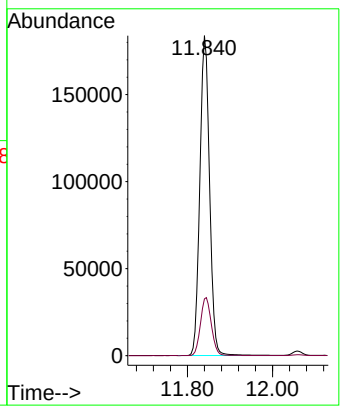


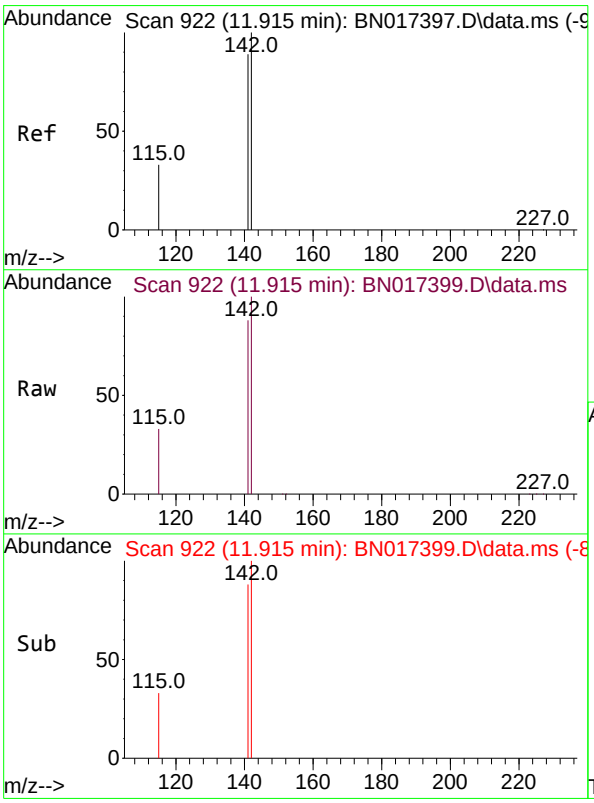
#11
2-Methylnaphthalene-d10
Concen: 1.726 ng
RT: 11.840 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:152 Resp: 290823

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4

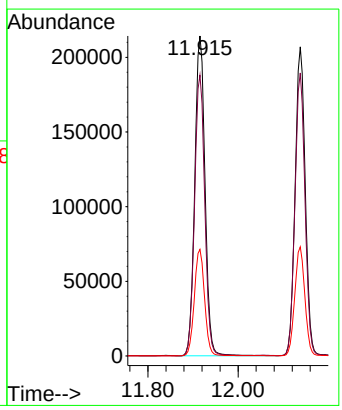


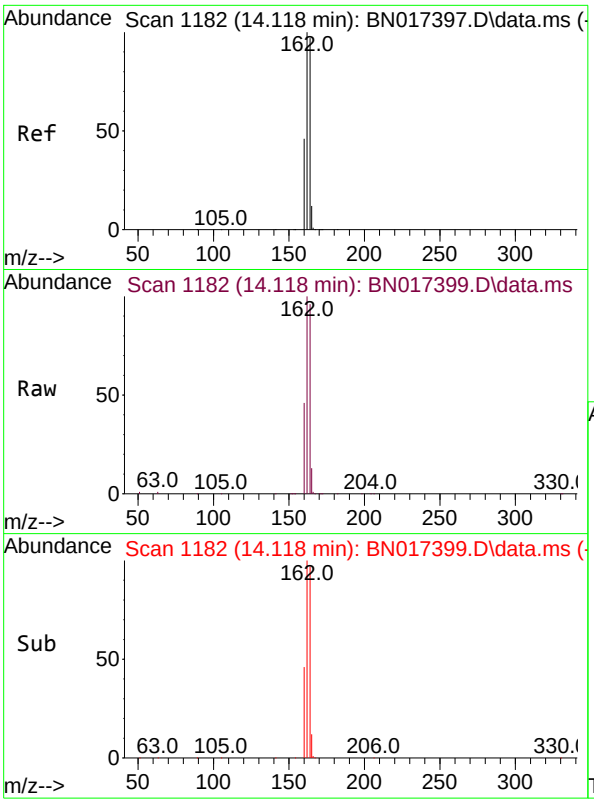


#12
2-Methylnaphthalene
Concen: 1.691 ng
RT: 11.915 min Scan# 922
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:142 Resp: 338828

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.6	106.0
115	33.3	25.8	38.6



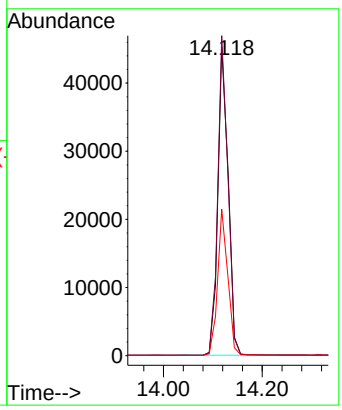


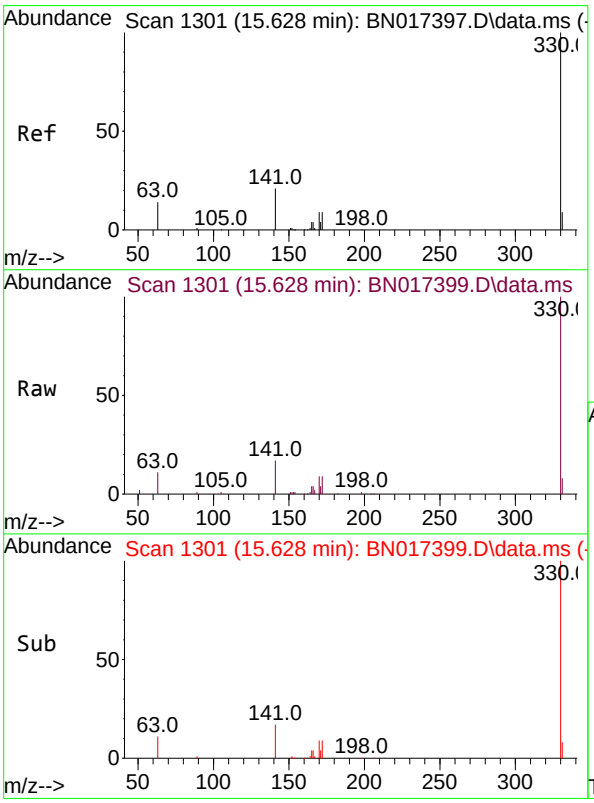
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.118 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:164 Resp: 65364

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.4	122.2
160	47.5	36.8	55.2

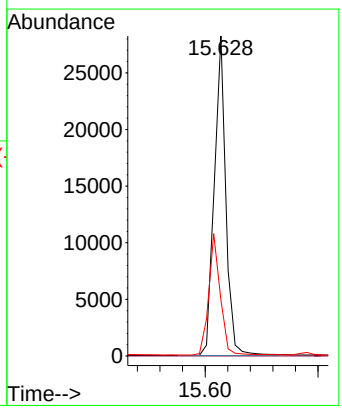


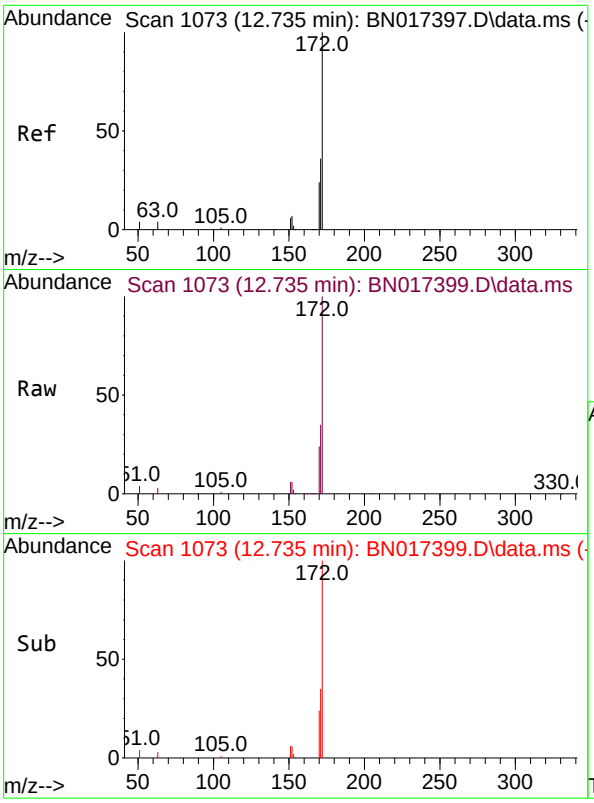


#14
2,4,6-Tribromophenol
Concen: 1.643 ng
RT: 15.628 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:330 Resp: 40073

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.6	28.9	43.3



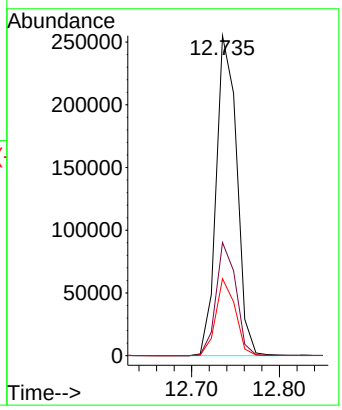


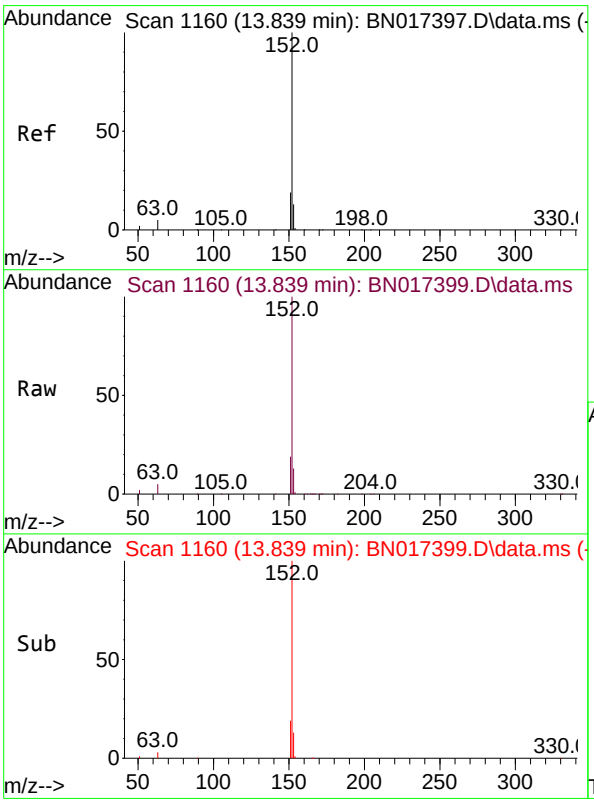
#15
2-Fluorobiphenyl
Concen: 1.659 ng
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:172 Resp: 416104

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	24.1	19.4	29.2

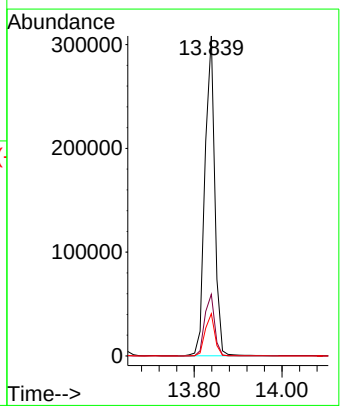


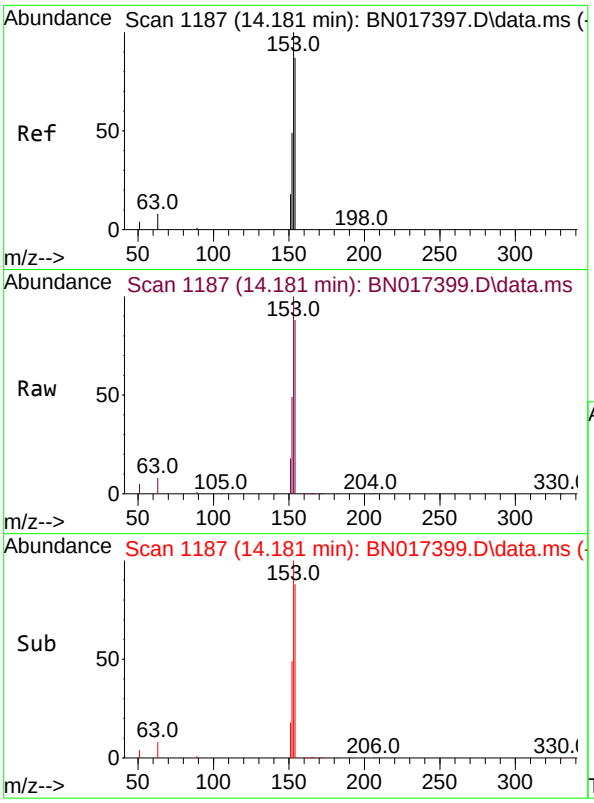


#16
Acenaphthylene
Concen: 1.739 ng
RT: 13.839 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:152 Resp: 477142

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.1	10.4	15.6



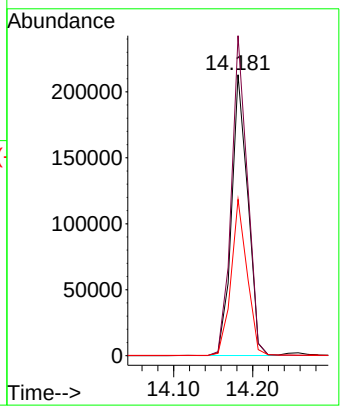


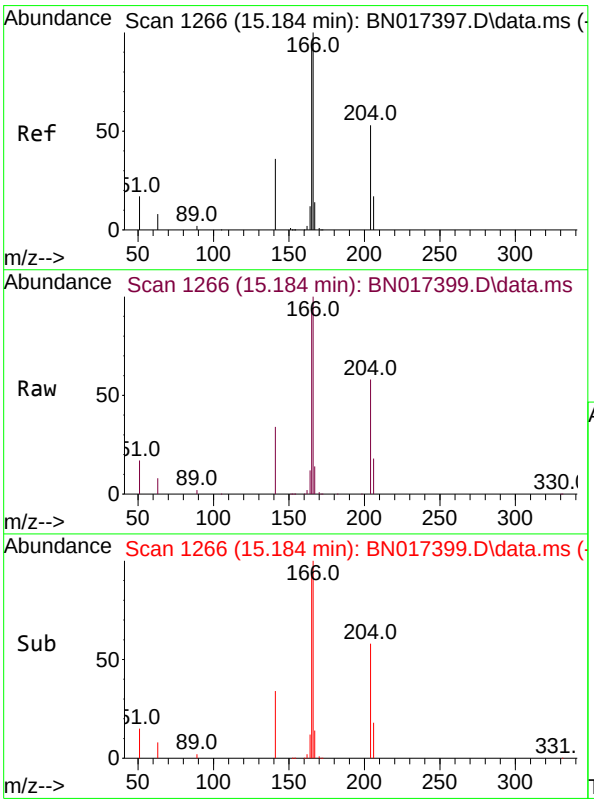
#17
Acenaphthene
Concen: 1.656 ng
RT: 14.181 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:154 Resp: 303580

Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.2	136.8
152	54.8	44.3	66.5

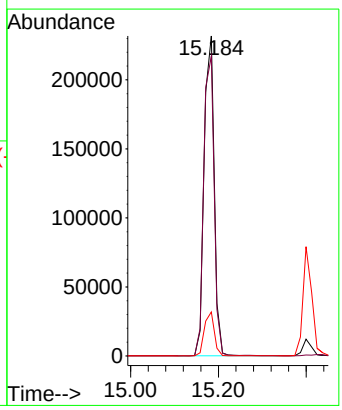


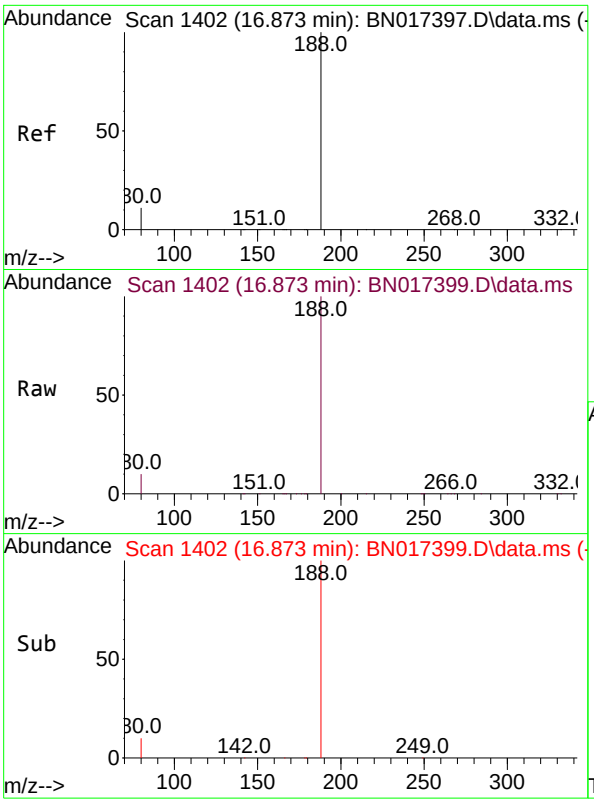


#18
Fluorene
Concen: 1.668 ng
RT: 15.184 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:166 Resp: 368641

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.9	116.9
167	13.5	10.9	16.3



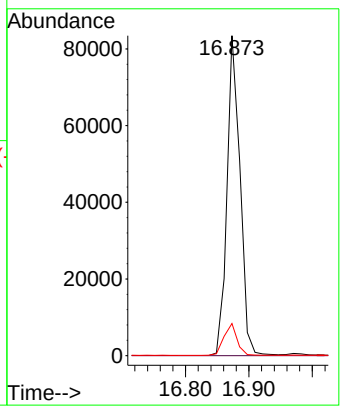


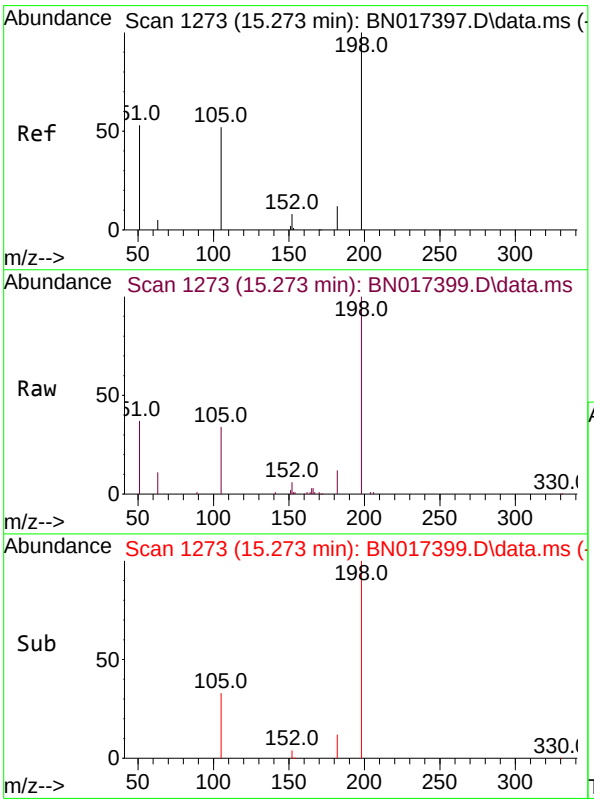
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.873 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:188 Resp: 118806

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	6.1	9.1#

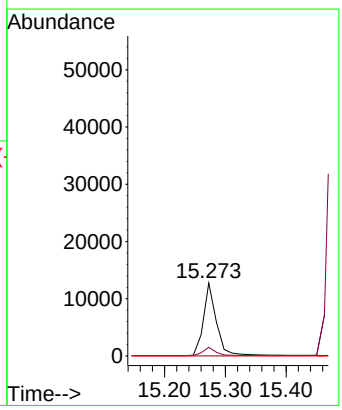


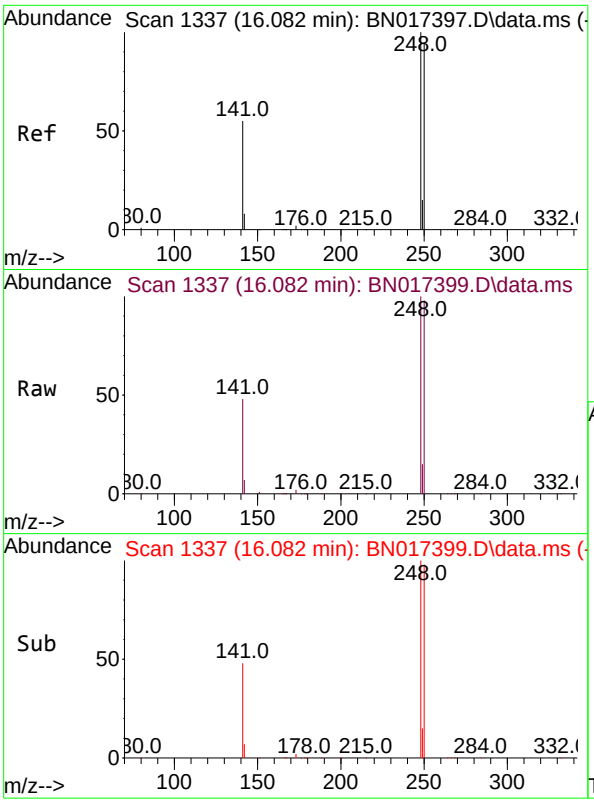


#20
4,6-Dinitro-2-methylphenol
Concen: 1.420 ng
RT: 15.273 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:198 Resp: 18774

Ion	Ratio	Lower	Upper
198	100		
182	11.9	11.4	17.2
77	0.0	0.0	0.0



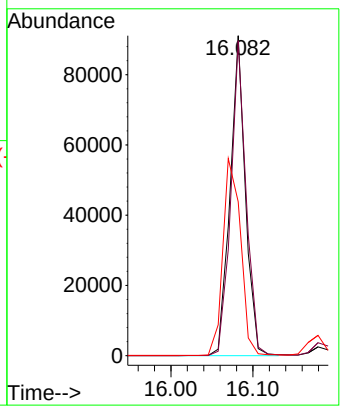


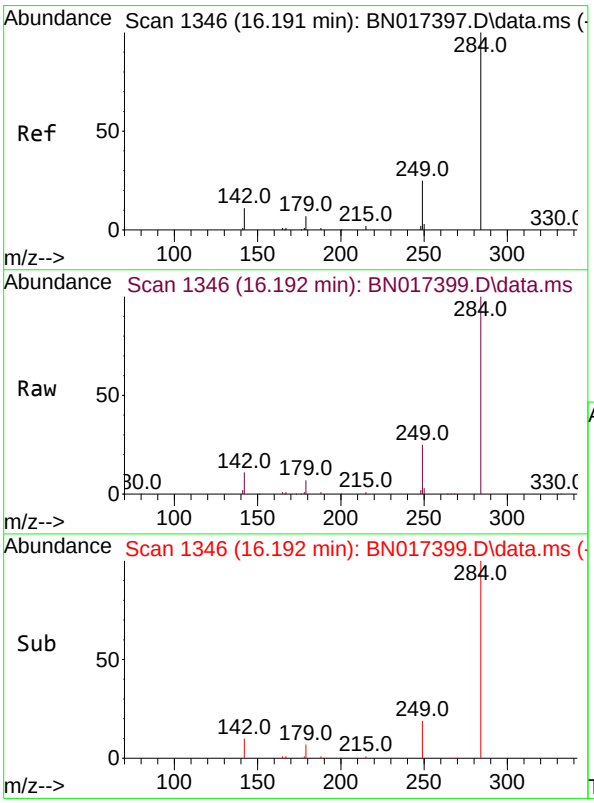
#21
4-Bromophenyl-phenylether
Concen: 1.705 ng
RT: 16.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:248 Resp: 118615

Ion	Ratio	Lower	Upper
248	100		
250	98.5	71.8	107.8
141	48.1	70.9	106.3#

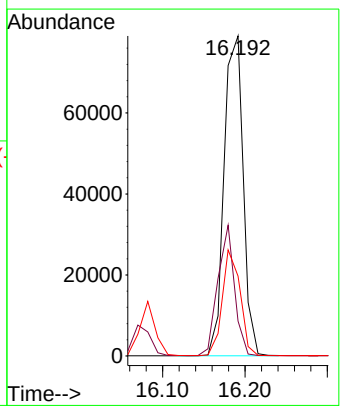


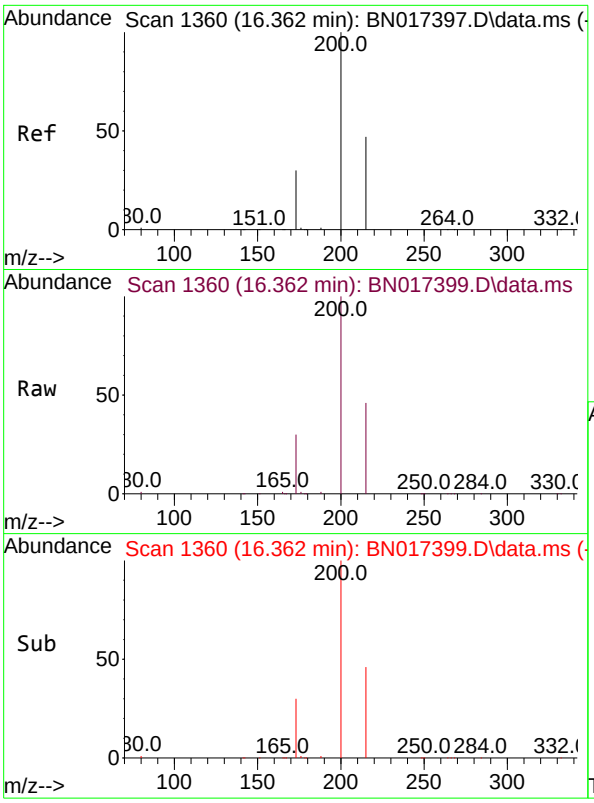


#22
Hexachlorobenzene
Concen: 1.638 ng
RT: 16.192 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:284 Resp: 127442

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.2	42.2
249	30.8	24.4	36.6



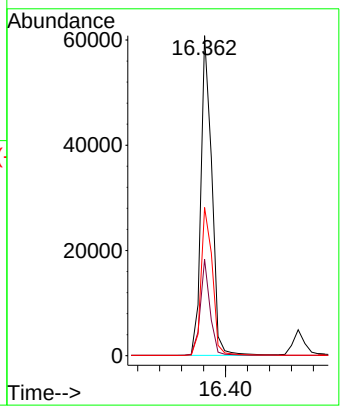


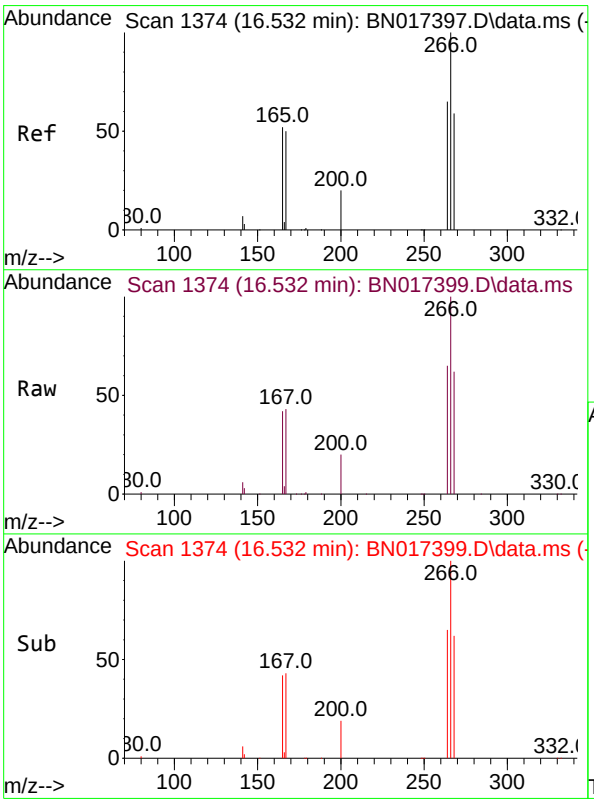
#23
Atrazine
Concen: 1.796 ng
RT: 16.362 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:200 Resp: 83746

Ion	Ratio	Lower	Upper
200	100		
173	30.1	17.6	26.4#
215	46.3	40.2	60.4

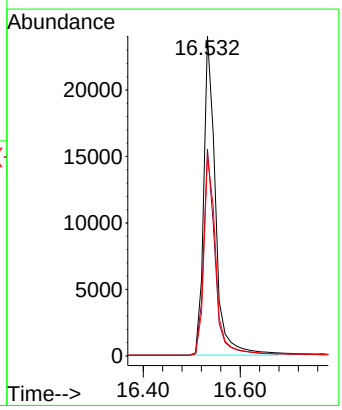


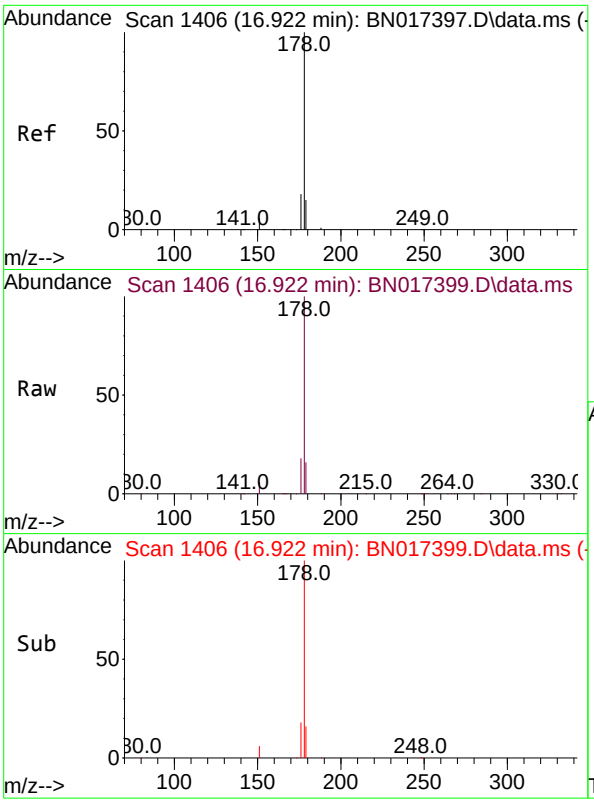


#24
Pentachlorophenol
Concen: 1.586 ng
RT: 16.532 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:266 Resp: 40828

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.8	74.8
268	63.7	51.3	76.9



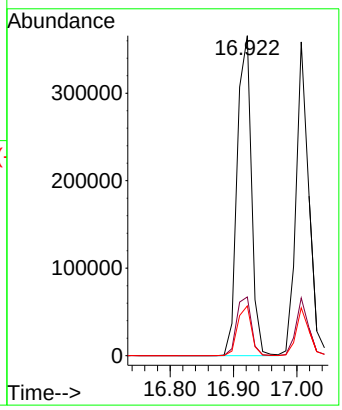


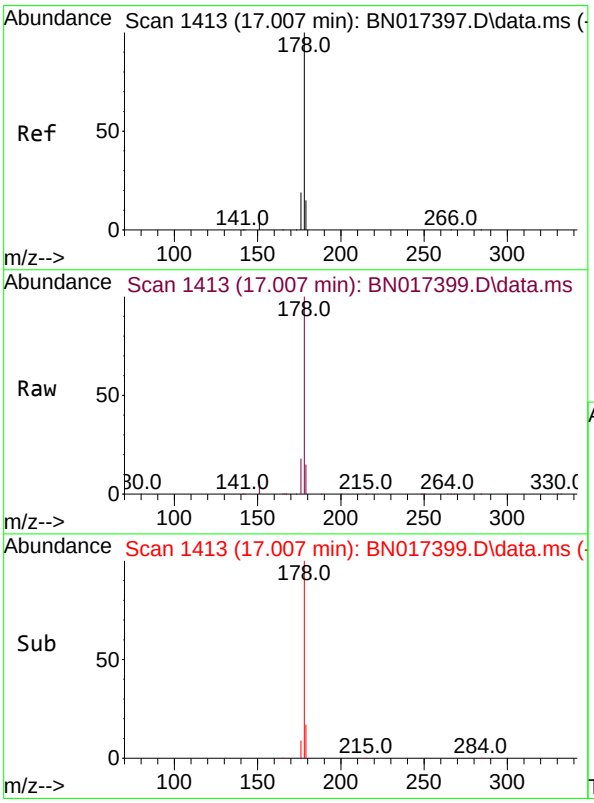
#25
Phenanthrene
Concen: 1.670 ng
RT: 16.922 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:178 Resp: 570889

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.3	12.3	18.5

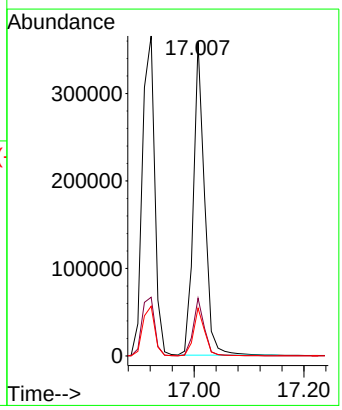


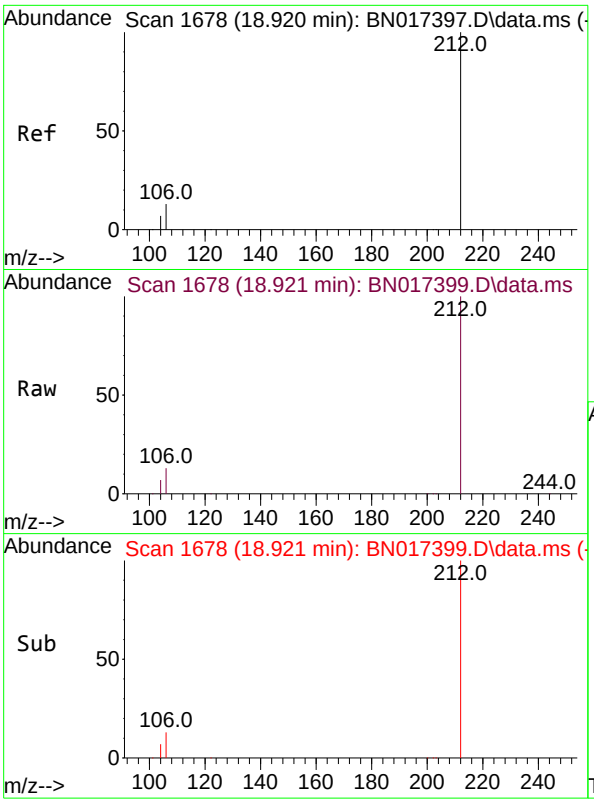


#26
Anthracene
Concen: 1.767 ng
RT: 17.007 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:178 Resp: 505157

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.3	12.2	18.4



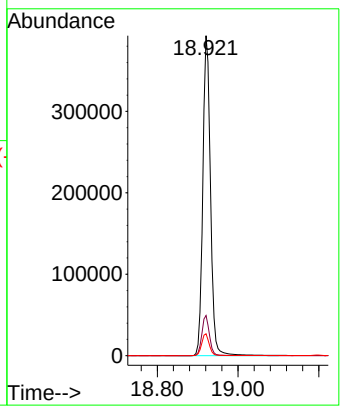


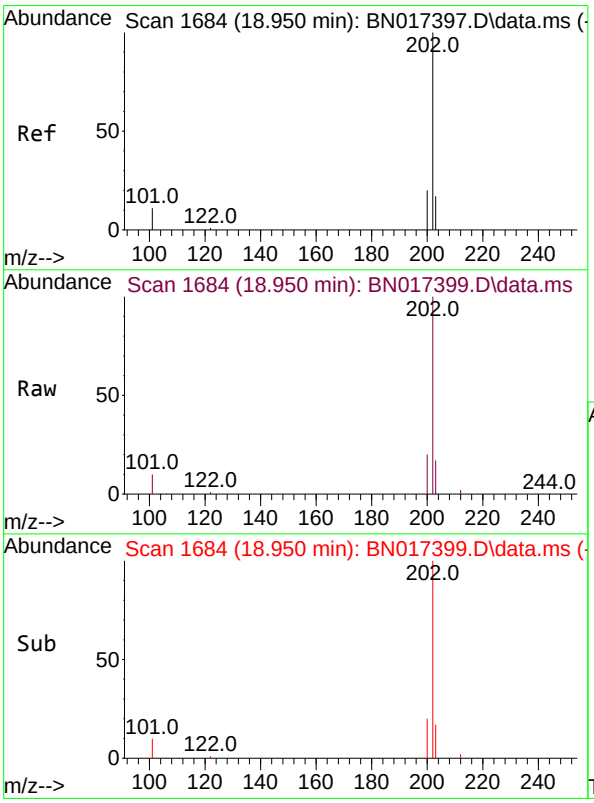
#27
Fluoranthene-d10
Concen: 1.691 ng
RT: 18.921 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:212 Resp: 518482

Ion	Ratio	Lower	Upper
212	100		
106	12.4	10.5	15.7
104	6.8	5.8	8.6

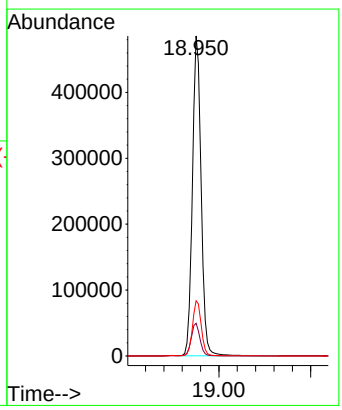


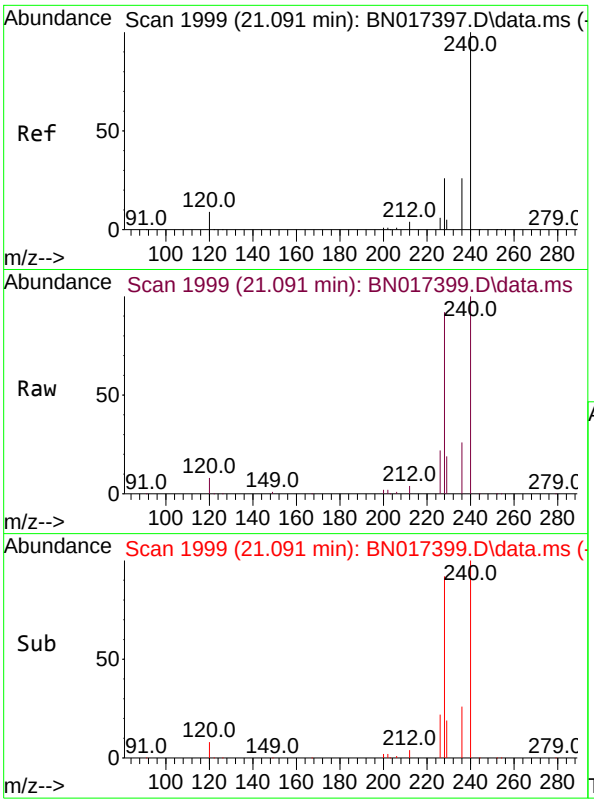


#28
Fluoranthene
Concen: 1.683 ng
RT: 18.950 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:202 Resp: 636335

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.9	13.3
203	17.5	13.8	20.6



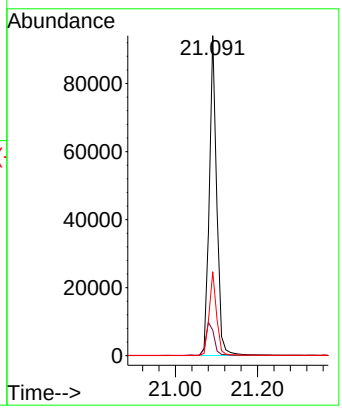


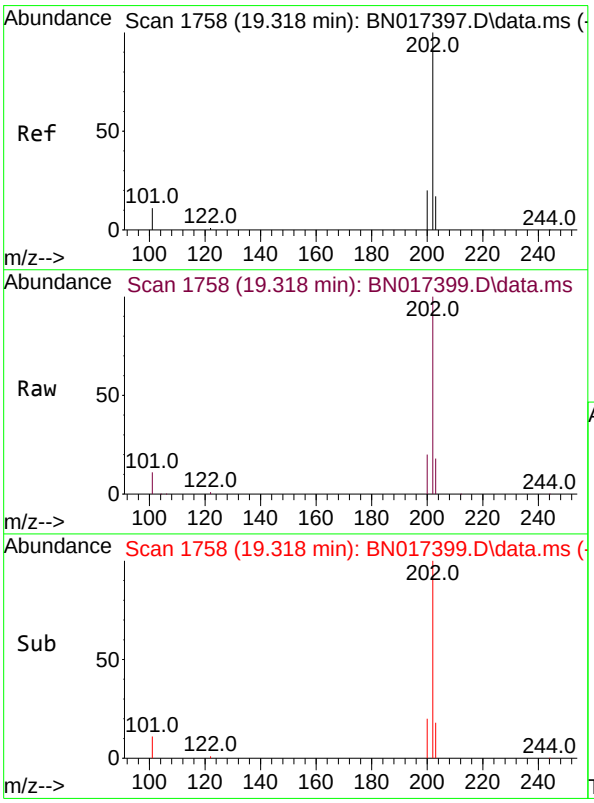
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.091 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:240 Resp: 118318

Ion	Ratio	Lower	Upper
240	100		
120	8.0	4.2	6.2#
236	26.3	20.0	30.0

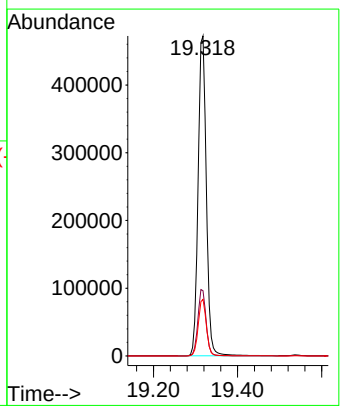


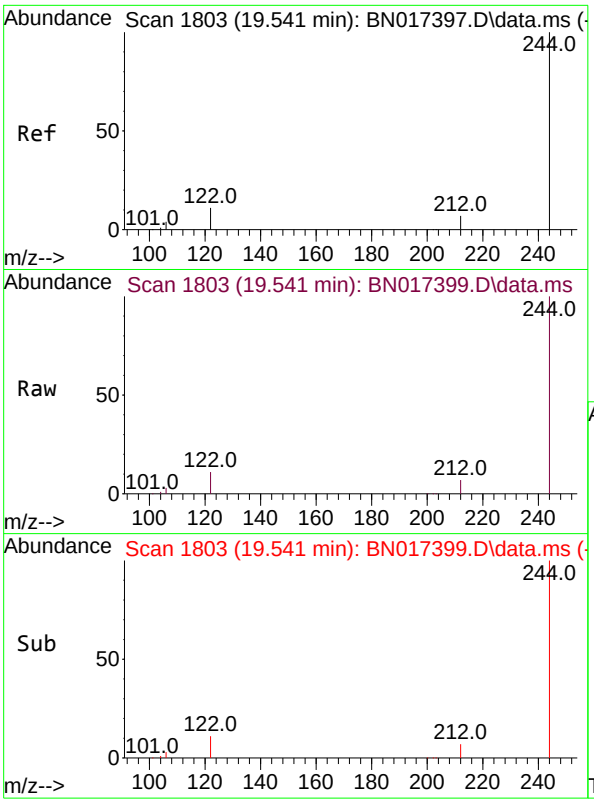


#30
Pyrene
Concen: 1.742 ng
RT: 19.318 min Scan# 1758
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:202 Resp: 643576

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.6	14.0	21.0



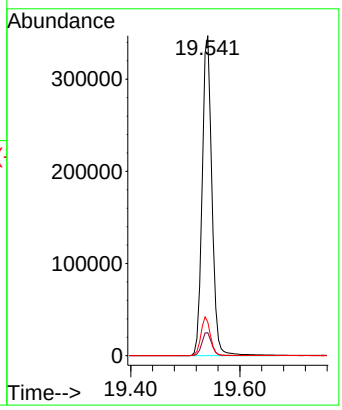


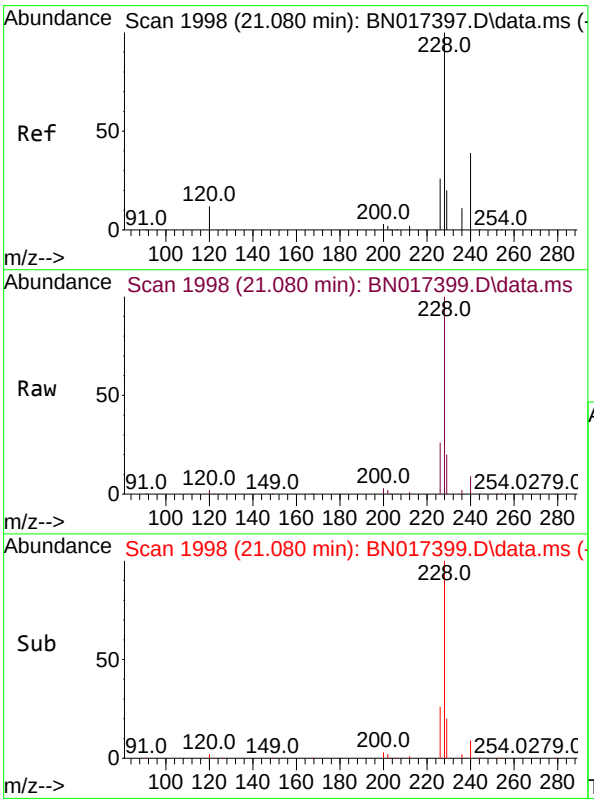
#31
Terphenyl-d14
Concen: 1.726 ng
RT: 19.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:244 Resp: 433353

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.5	8.6	13.0

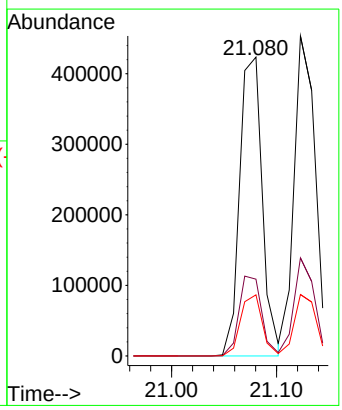


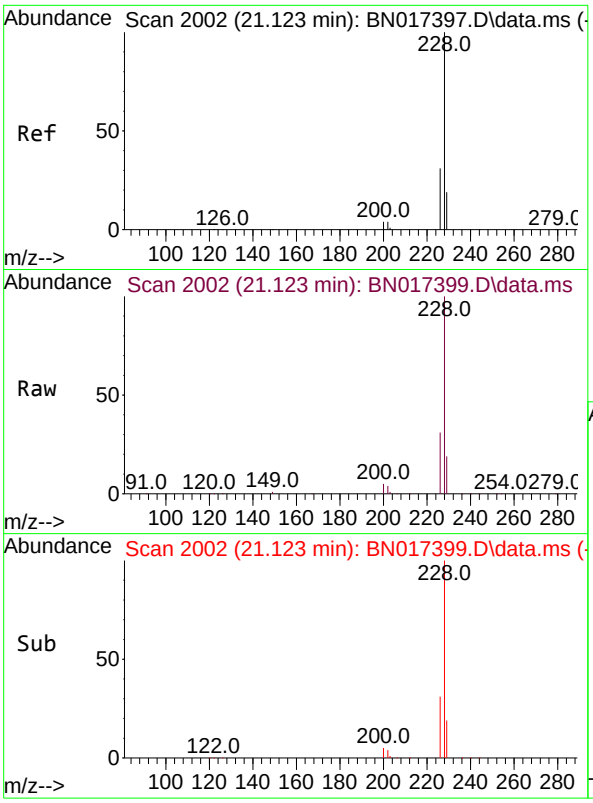


#32
Benzo(a)anthracene
Concen: 1.783 ng
RT: 21.080 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:228 Resp: 633610

Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.3	31.9
229	20.5	15.7	23.5



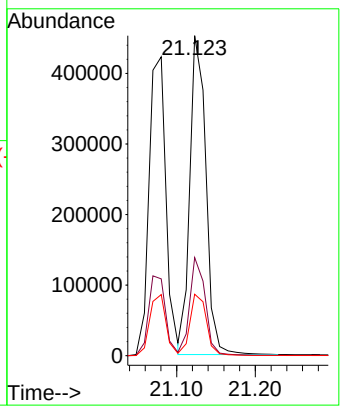


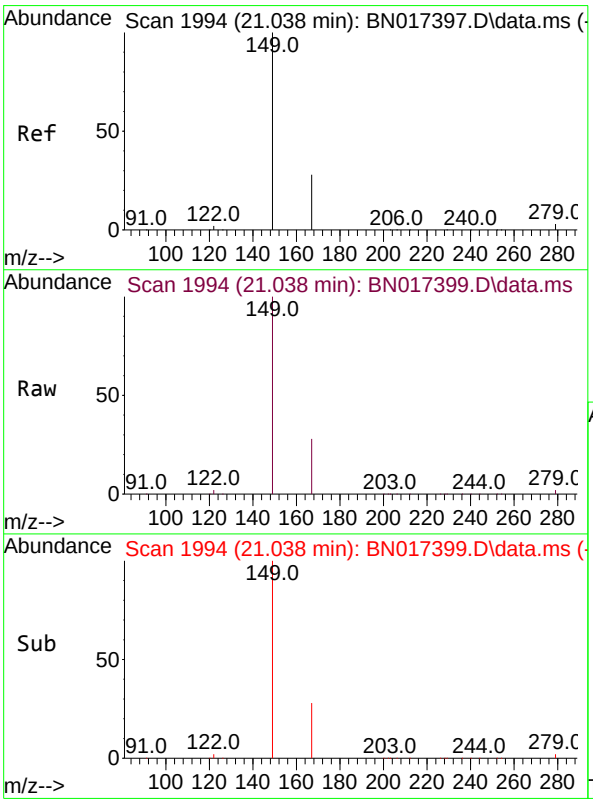
#33
Chrysene
Concen: 1.644 ng
RT: 21.123 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:228 Resp: 642054

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.3	34.9
229	19.2	15.6	23.4

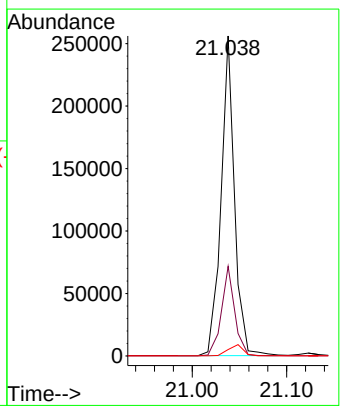


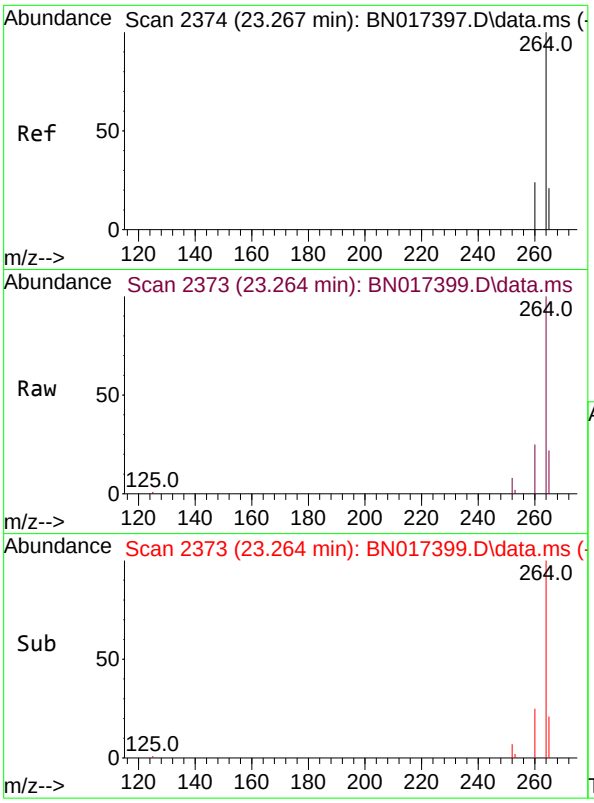


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.495 ng
RT: 21.038 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:149 Resp: 252347

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.8	32.6
279	4.0	3.4	5.0



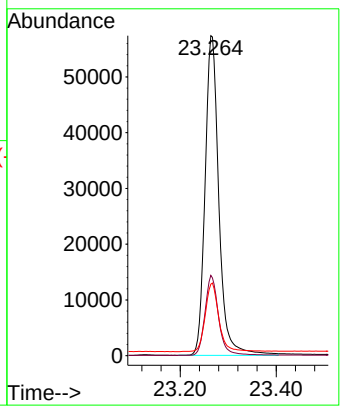


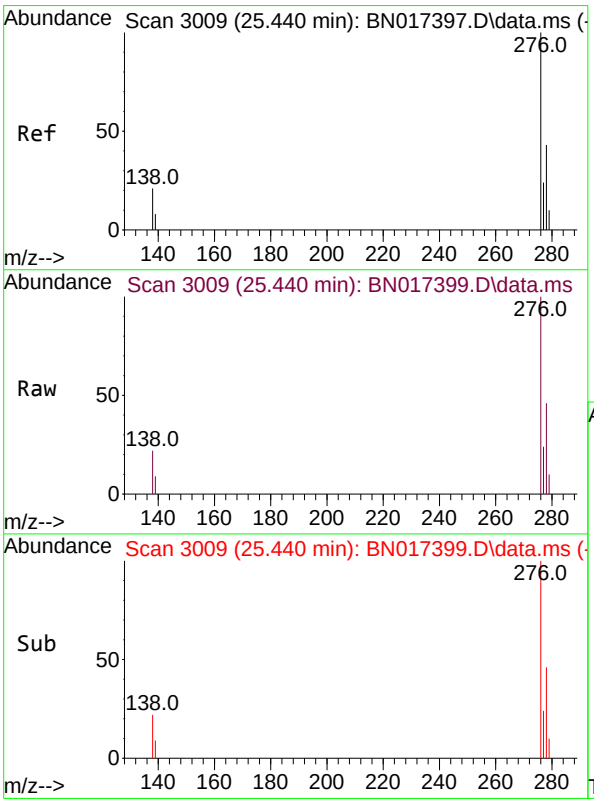
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.264 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:264 Resp: 114334

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	22.4	18.6	28.0

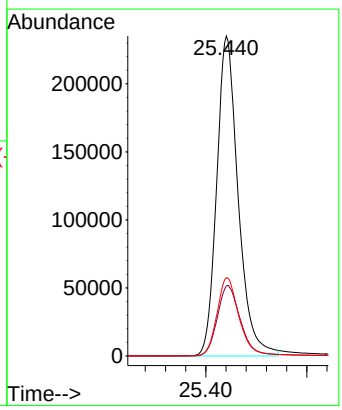


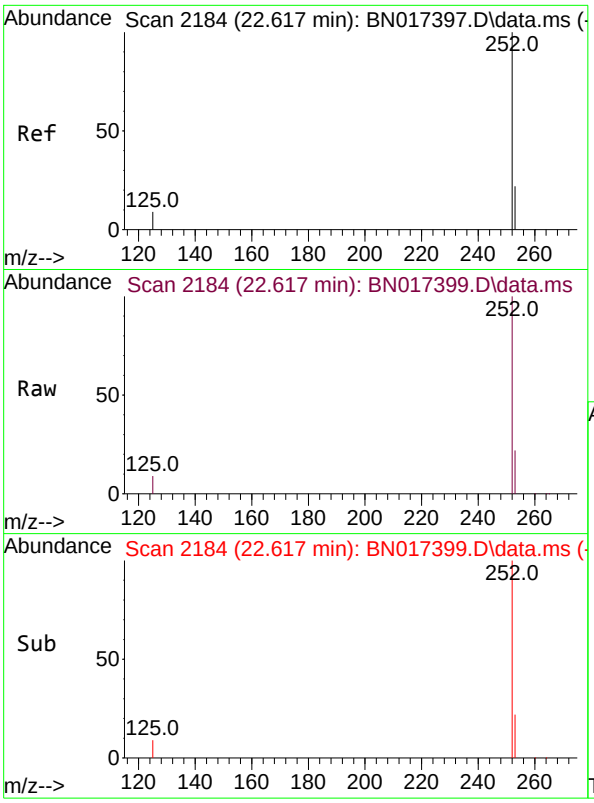


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.594 ng
RT: 25.440 min Scan# 3009
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:276 Resp: 693410

Ion	Ratio	Lower	Upper
276	100		
138	23.5	19.7	29.5
277	25.0	20.0	30.0



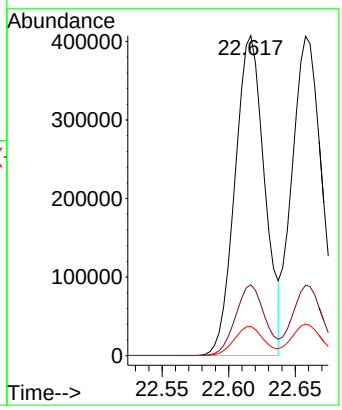


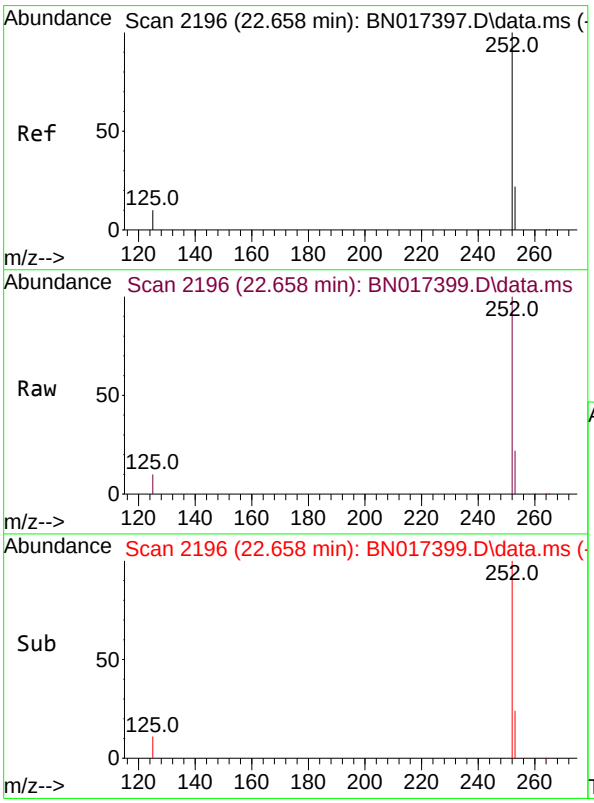
#37
Benzo(b)fluoranthene
Concen: 1.801 ng
RT: 22.617 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:252 Resp: 631245

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.2	7.8	11.8

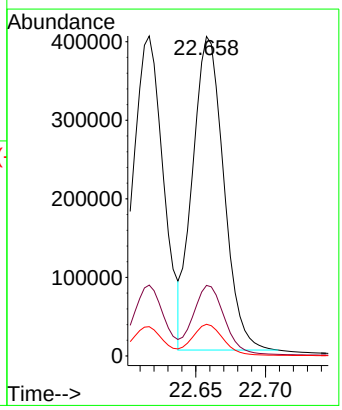


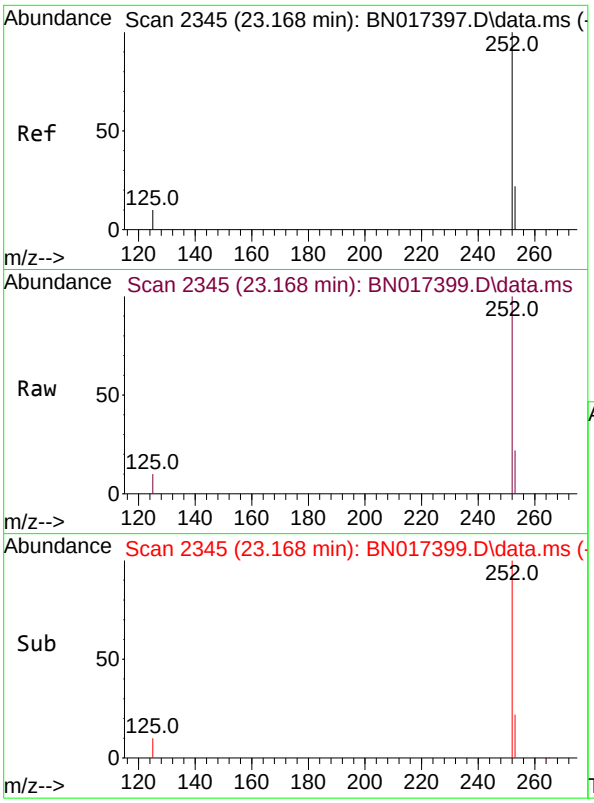


#38
Benzo(k)fluoranthene
Concen: 1.660 ng
RT: 22.658 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:252 Resp: 620780

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	8.2	12.2



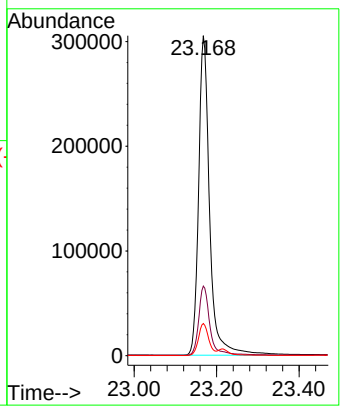


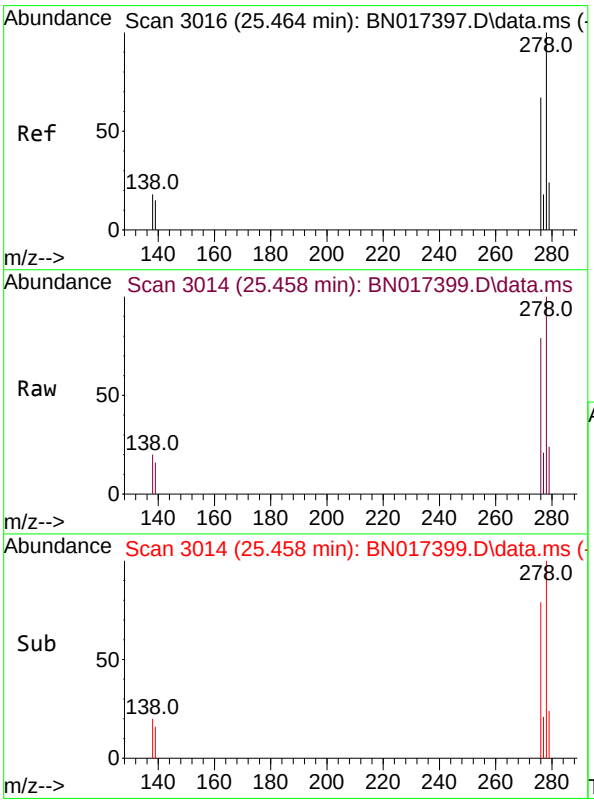
#39
Benzo(a)pyrene
Concen: 1.753 ng
RT: 23.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:252 Resp: 565202

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	10.0	9.2	13.8

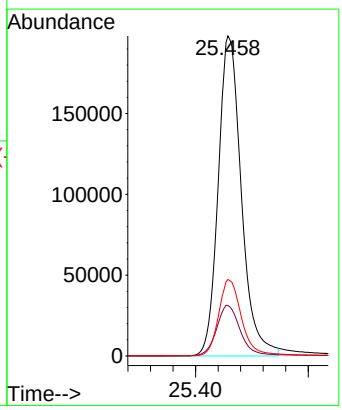


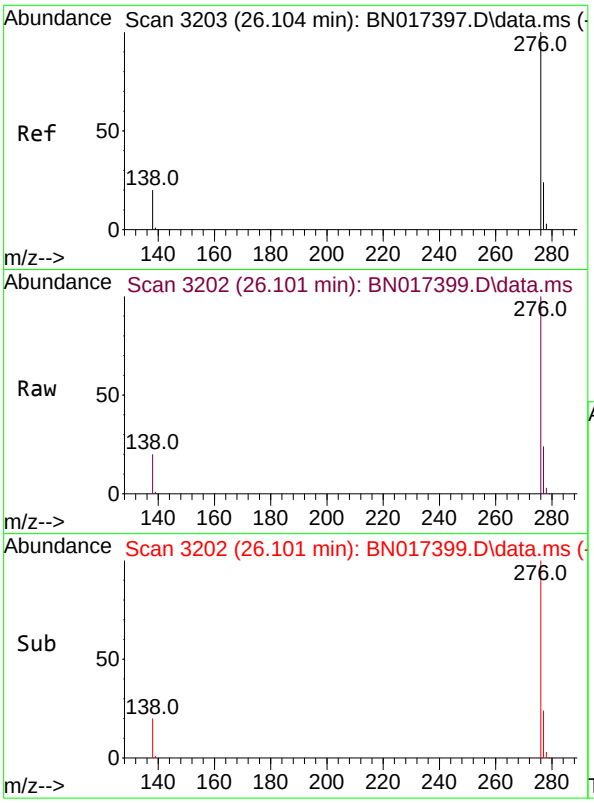


#40
Dibenzo(a,h)anthracene
Concen: 1.599 ng
RT: 25.458 min Scan# 3014
Delta R.T. -0.007 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Tgt Ion:278 Resp: 562571

Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.0	19.6
279	23.9	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 1.579 ng
RT: 26.101 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN017399.D
Acq: 12 Nov 2021 10:55

Instrument :
BNA_F
ClientSampleId :
SSTD1.6240

Tgt Ion:276 Resp: 602836

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.1	17.1	25.7