Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062222\
Data File : BN020337.D
Acq On : 22 Jun 2022 11:24
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Jun 22 13:18:34 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 13:17:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.789	152	892	0.400	ng		0.00
7) Naphthalene-d8	10.573	136	3288	0.400	ng		#-0.01
13) Acenaphthene-d10	14.410	164	2849	0.400	ng		-0.01
19) Phenanthrene-d10	17.164	188	7411	0.400	ng		0.00
29) Chrysene-d12	21.351	240	8726	0.400	ng		0.00
35) Perylene-d12	23.665	264	9105	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	330	0.134	ng		0.00
5) Phenol-d6	7.016	99	369	0.132	ng		0.00
8) Nitrobenzene-d5	8.950	82	209	0.089	ng		-0.01
11) 2-Methylnaphthalene-d10	12.170	152	619	0.105	ng		0.00
14) 2,4,6-Tribromophenol	15.923	330	142	0.131	ng		0.01
15) 2-Fluorobiphenyl	13.041	172	992	0.086	ng		-0.01
27) Fluoranthene-d10	19.194	212	2580	0.112	ng		0.00
31) Terphenyl-d14	19.792	244	1922	0.091	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.283	88	150	0.143	ng		88
3) n-Nitrosodimethylamine	3.636	42	53	0.054	ng	#	1
6) bis(2-Chloroethyl)ether	7.219	93	278	0.114	ng		98
9) Naphthalene	10.626	128	1002	0.101	ng	#	80
10) Hexachlorobutadiene	10.914	225	184	0.105	ng	#	96
12) 2-Methylnaphthalene	12.246	142	721	0.105	ng	#	91
16) Acenaphthylene	14.132	152	1313	0.098	ng		99
17) Acenaphthene	14.474	154	990	0.105	ng		97
18) Fluorene	15.468	166	1460	0.115	ng		96
20) 4,6-Dinitro-2-methylph...	15.575	198	99	0.148	ng	#	1
21) 4-Bromophenyl-phenylether	16.354	248	420	0.097	ng		89
22) Hexachlorobenzene	16.477	284	509	0.107	ng		98
23) Atrazine	16.631	200	292	0.092	ng	#	74
24) Pentachlorophenol	16.836	266	243	0.142	ng		93
25) Phenanthrene	17.195	178	2816	0.111	ng		100
26) Anthracene	17.297	178	2356	0.109	ng		98
28) Fluoranthene	19.223	202	3767	0.132	ng		99
30) Pyrene	19.586	202	4027	0.107	ng		99
32) Benzo(a)anthracene	21.342	228	3456	0.106	ng		94
33) Chrysene	21.386	228	3957	0.113	ng		96
34) Bis(2-ethylhexyl)phtha...	21.270	149	1781	0.092	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.047	276	4627	0.121	ng	#	85
37) Benzo(b)fluoranthene	22.969	252	3871	0.104	ng	#	68
38) Benzo(k)fluoranthene	23.013	252	3764	0.100	ng	#	74
39) Benzo(a)pyrene	23.565	252	3165	0.102	ng	#	54
40) Dibenzo(a,h)anthracene	26.059	278	3577	0.116	ng	#	82
41) Benzo(g,h,i)perylene	26.767	276	4192	0.124	ng		91

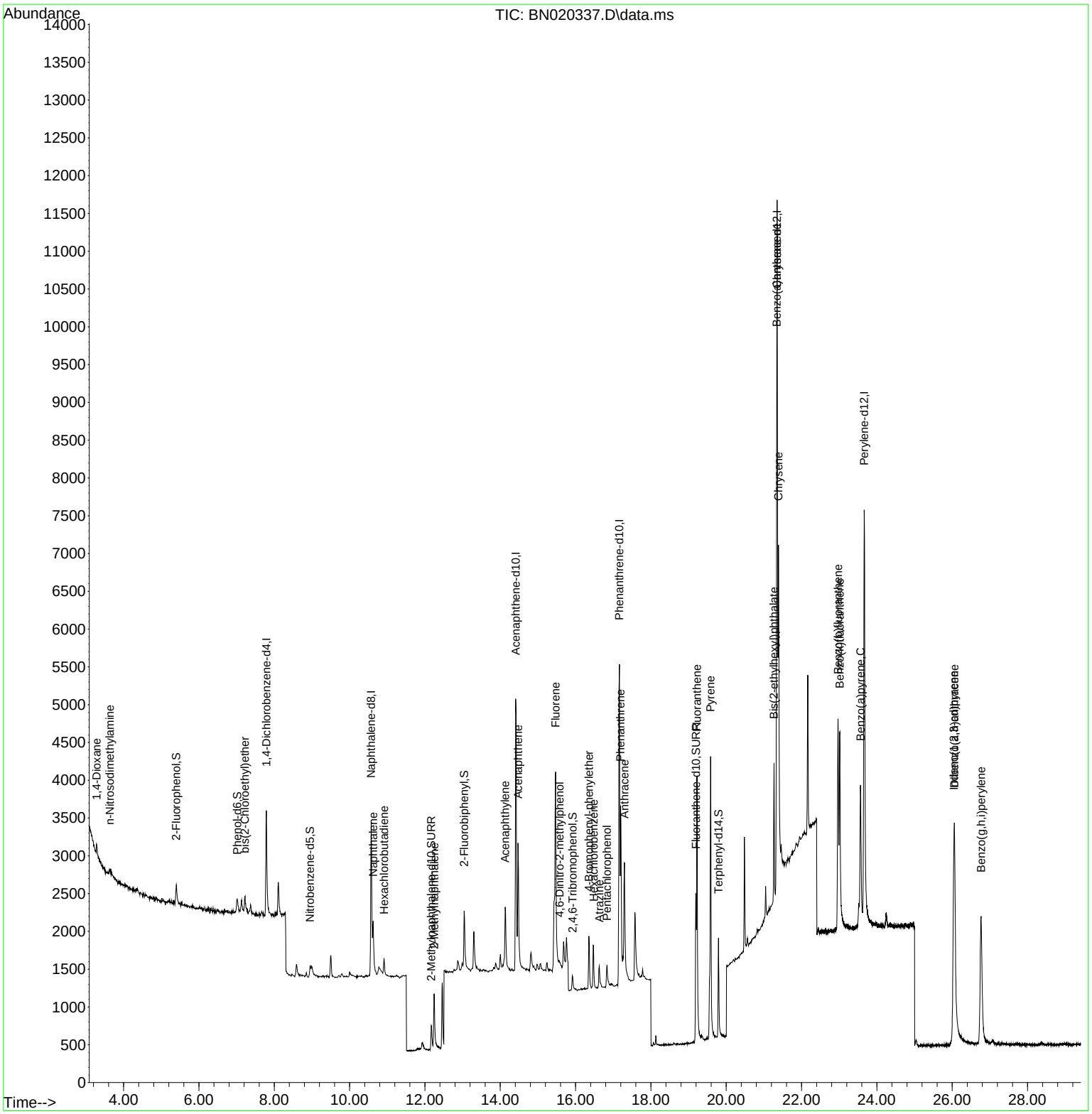
(#) = qualifier out of range (m) = manual integration (+) = signals summed

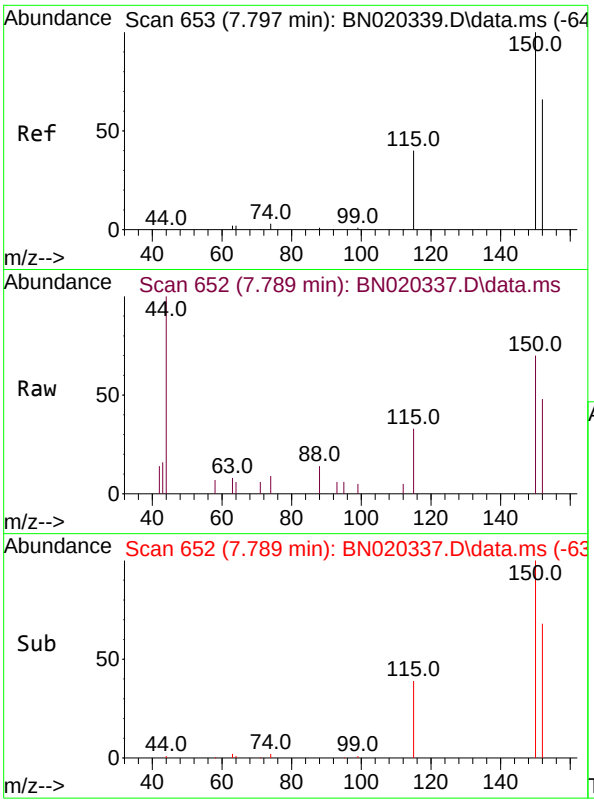
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062222\
Data File : BN020337.D
Acq On : 22 Jun 2022 11:24
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Jun 22 13:18:34 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 13:17:14 2022
Response via : Initial Calibration



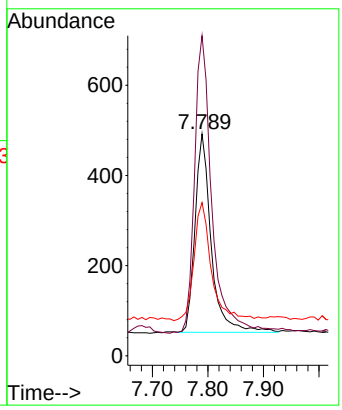


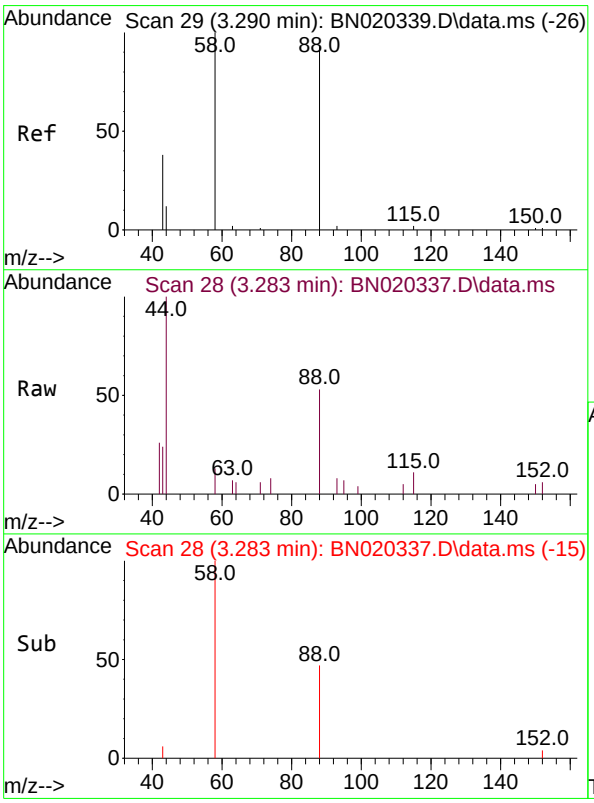
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 892

Ion	Ratio	Lower	Upper
152	100		
150	144.3	127.9	191.9
115	69.1	51.4	77.2

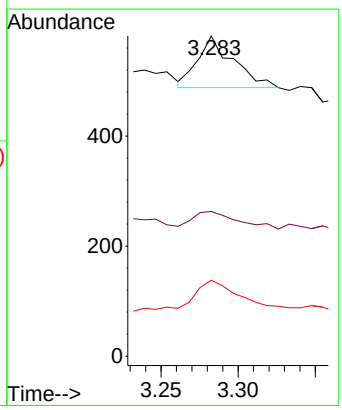


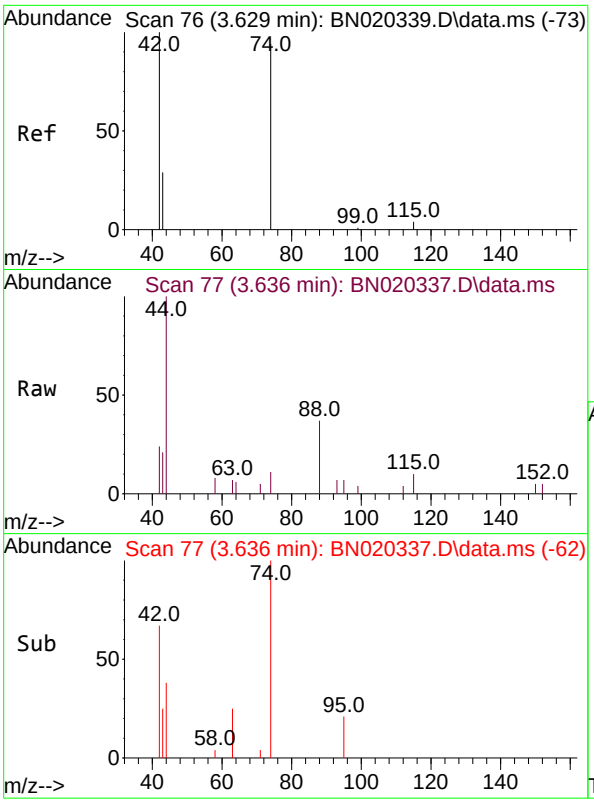


#2
1,4-Dioxane
Concen: 0.143 ng
RT: 3.283 min Scan# 28
Delta R.T. -0.007 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion: 88 Resp: 150

Ion	Ratio	Lower	Upper
88	100		
43	43.3	30.2	45.2
58	78.7	73.0	109.6



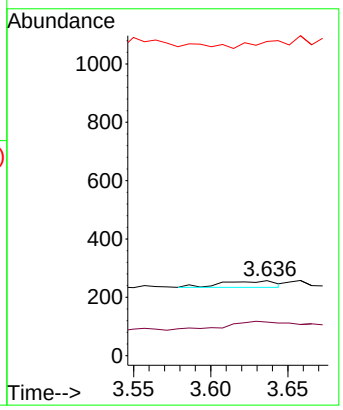


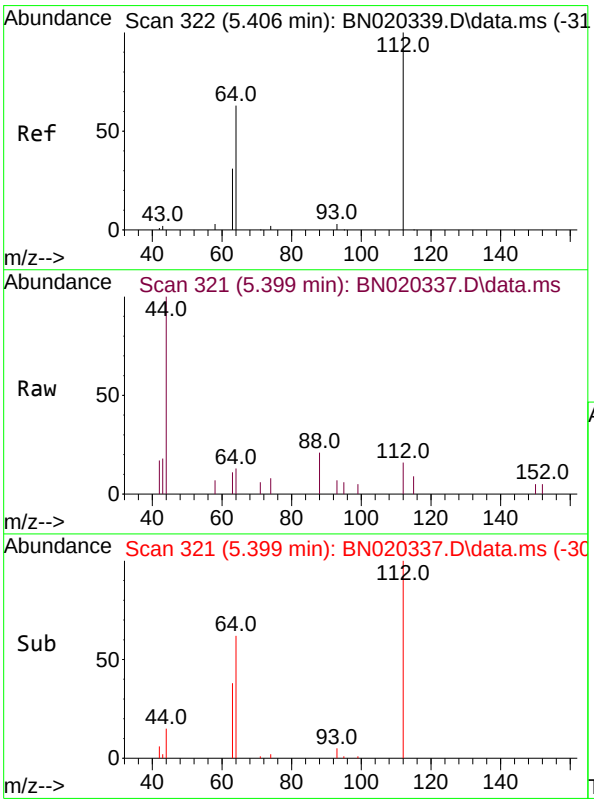
#3
n-Nitrosodimethylamine
Concen: 0.054 ng
RT: 3.636 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 53

Ion	Ratio	Lower	Upper
42	100		
74	273.6	84.0	126.0#
44	77.4	9.8	14.8#

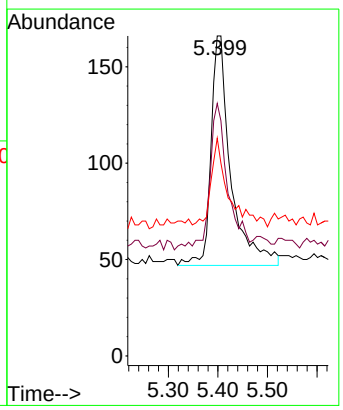


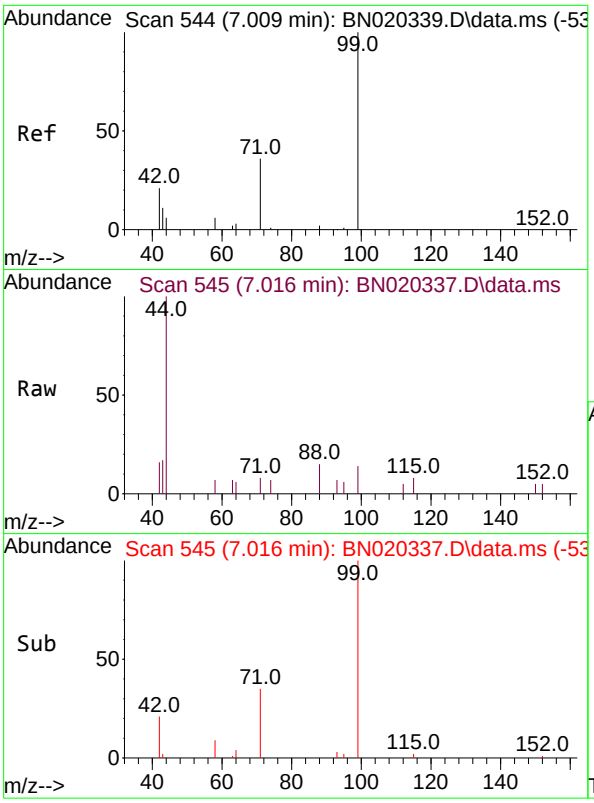


#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.007 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:112 Resp: 330

Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.1	73.7
63	33.6	26.3	39.5



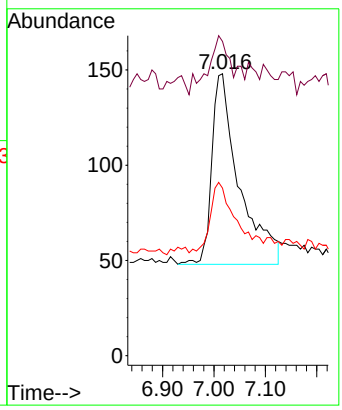


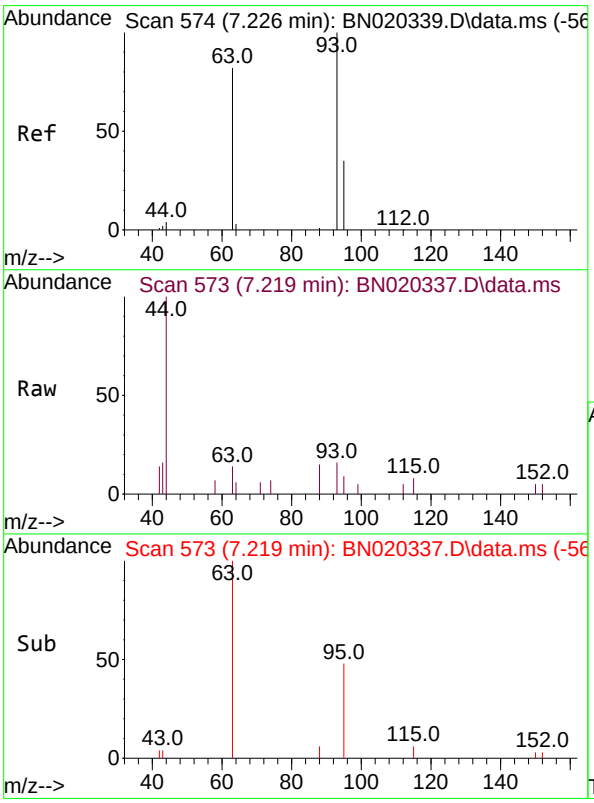
#5
Phenol-d6
Concen: 0.132 ng
RT: 7.016 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 369

Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.3	28.9
71	35.0	27.5	41.3

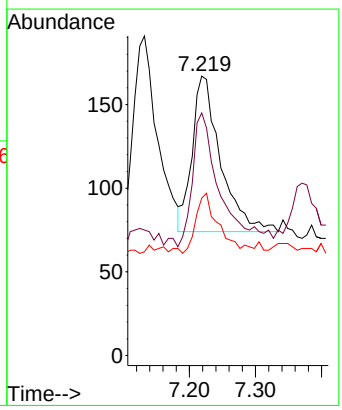


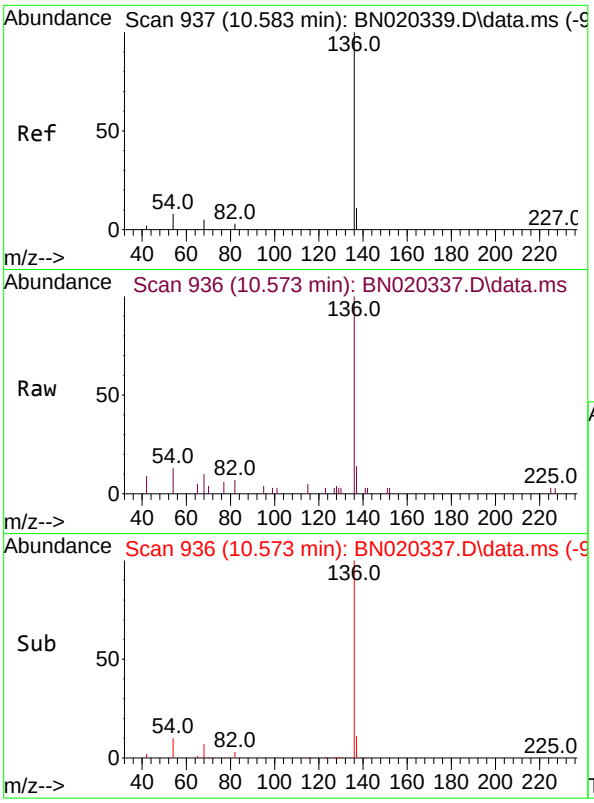


#6
bis(2-Chloroethyl)ether
Concen: 0.114 ng
RT: 7.219 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion: 93 Resp: 278

Ion	Ratio	Lower	Upper
93	100		
63	85.3	67.4	101.0
95	31.3	26.5	39.7



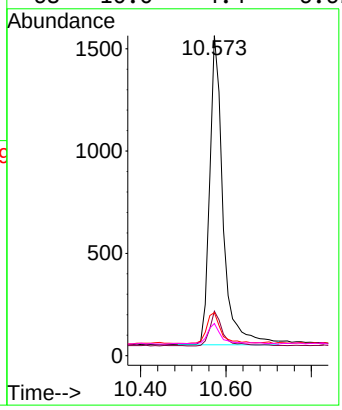


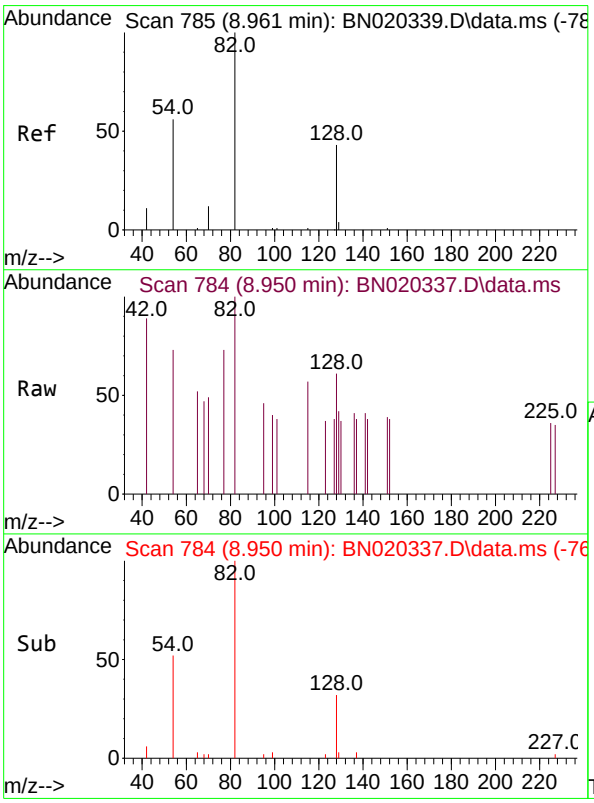
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 3288

Ion	Ratio	Lower	Upper
136	100		
137	13.9	9.0	13.6#
54	13.4	6.2	9.2#
68	10.0	4.4	6.6#

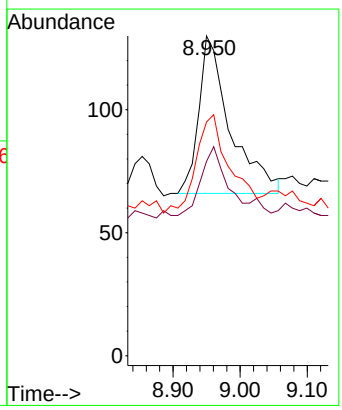


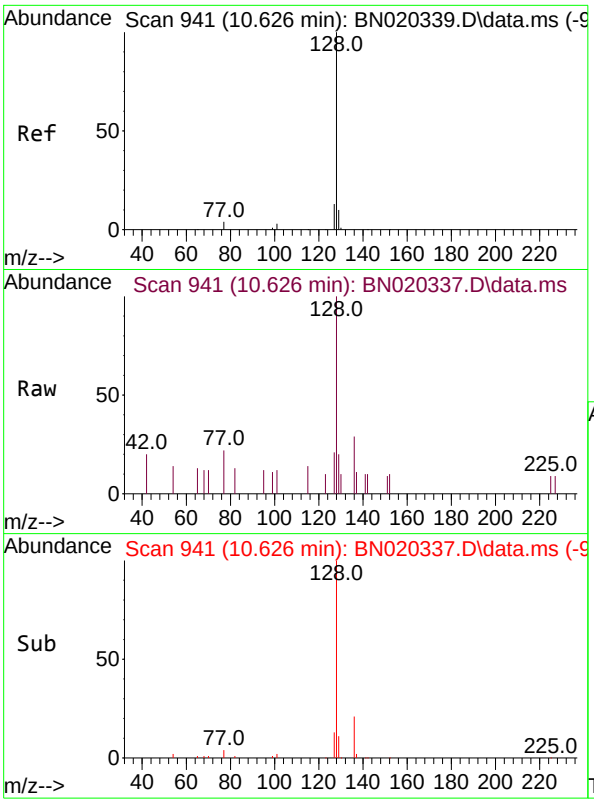


#8
Nitrobenzene-d5
Concen: 0.089 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion: 82 Resp: 209

Ion	Ratio	Lower	Upper
82	100		
128	60.8	35.0	52.6#
54	73.1	46.2	69.4#



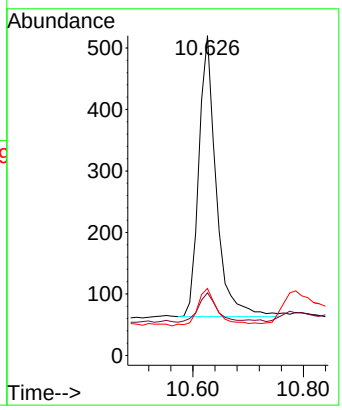


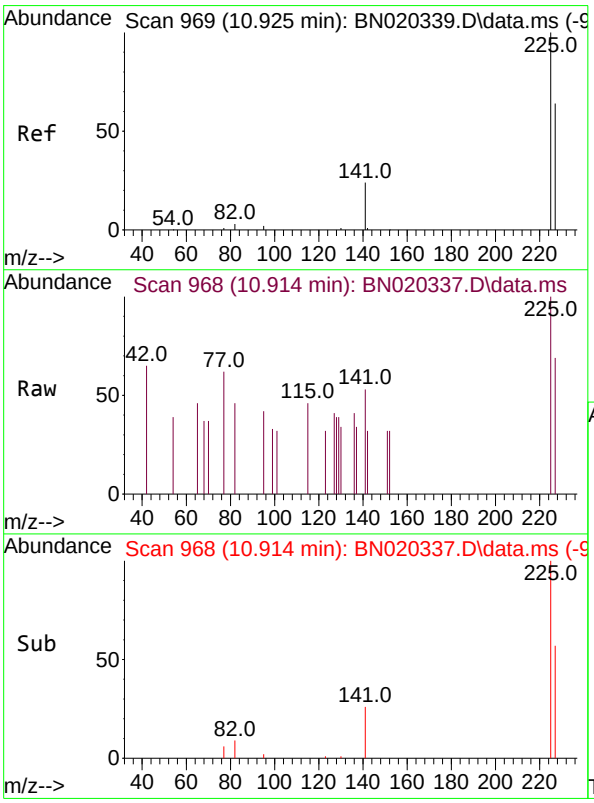
#9
Naphthalene
Concen: 0.101 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 1002

Ion	Ratio	Lower	Upper
128	100		
129	19.6	8.9	13.3#
127	21.0	10.8	16.2#

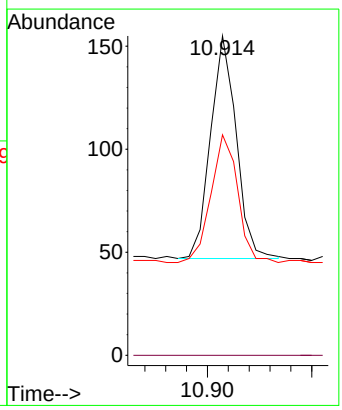


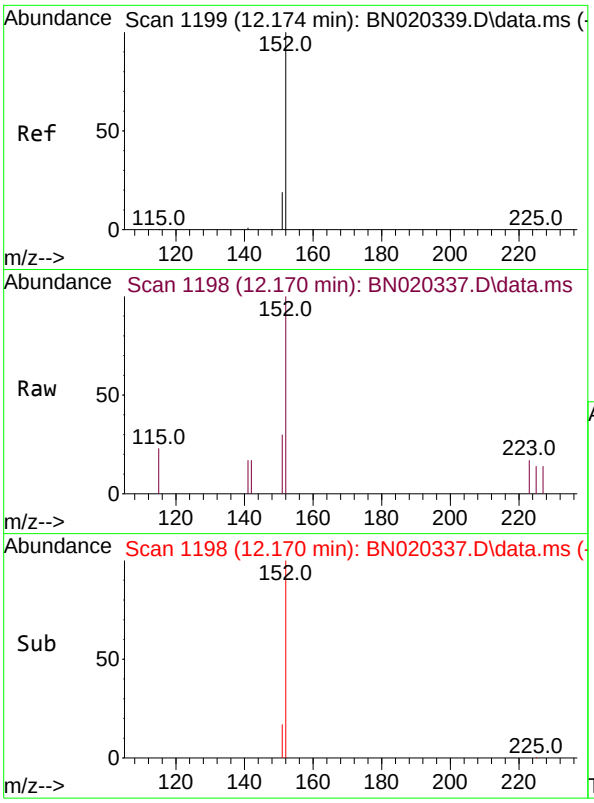


#10
Hexachlorobutadiene
Concen: 0.105 ng
RT: 10.914 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:225 Resp: 184

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.3	50.9	76.3



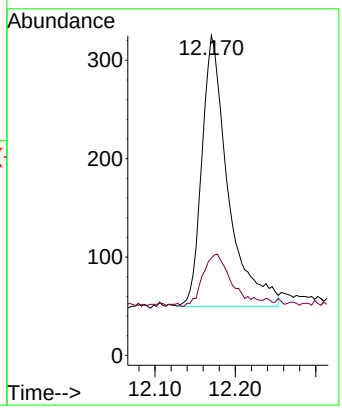


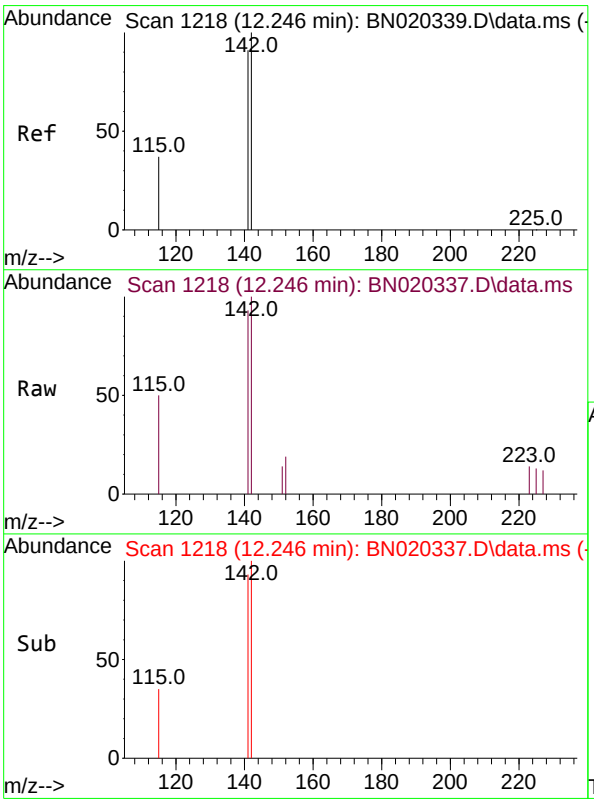
#11
2-Methylnaphthalene-d10
Concen: 0.105 ng
RT: 12.170 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 619

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.2	24.4

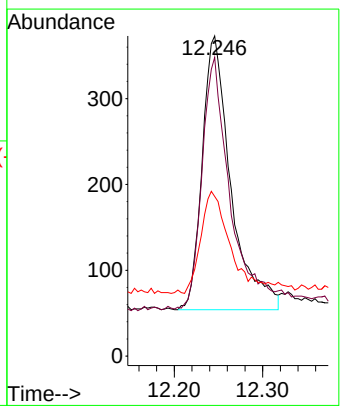


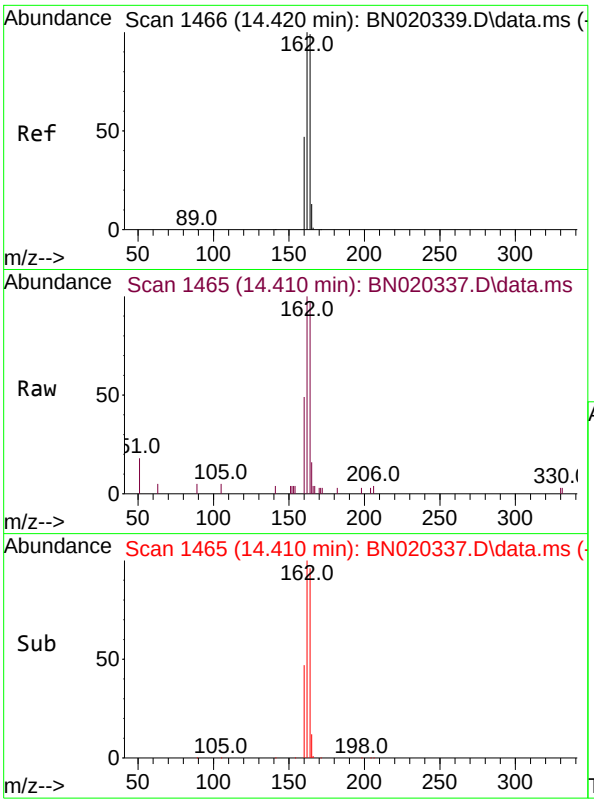


#12
2-Methylnaphthalene
Concen: 0.105 ng
RT: 12.246 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:142 Resp: 721

Ion	Ratio	Lower	Upper
142	100		
141	93.3	71.6	107.4
115	49.9	29.8	44.8#



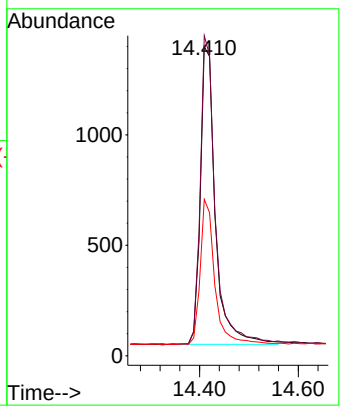


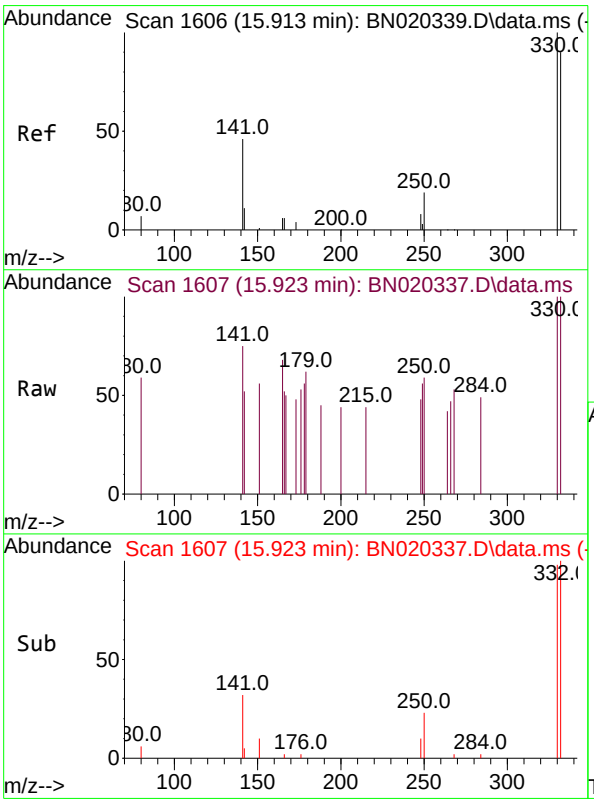
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.410 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 2849

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.1	123.1
160	50.6	38.6	58.0

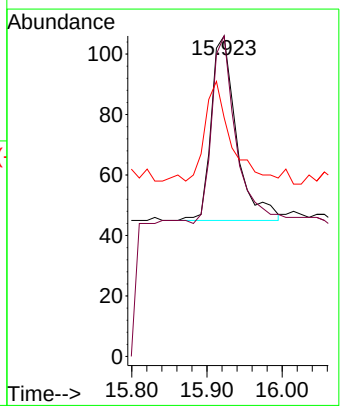


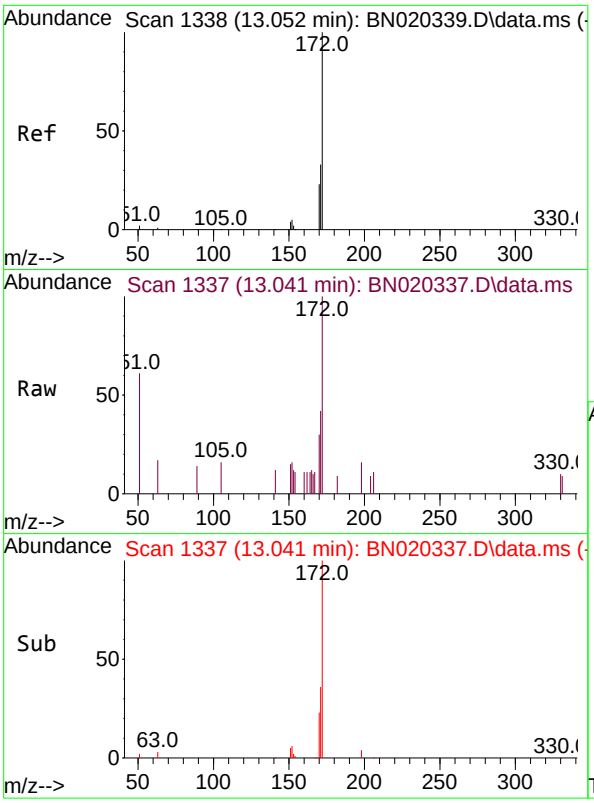


#14
2,4,6-Tribromophenol
Concen: 0.131 ng
RT: 15.923 min Scan# 1607
Delta R.T. 0.010 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:330 Resp: 142

Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.6	116.4
141	55.6	41.0	61.4



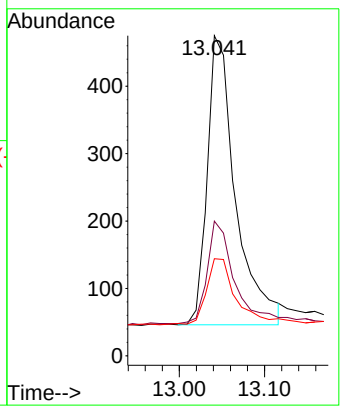


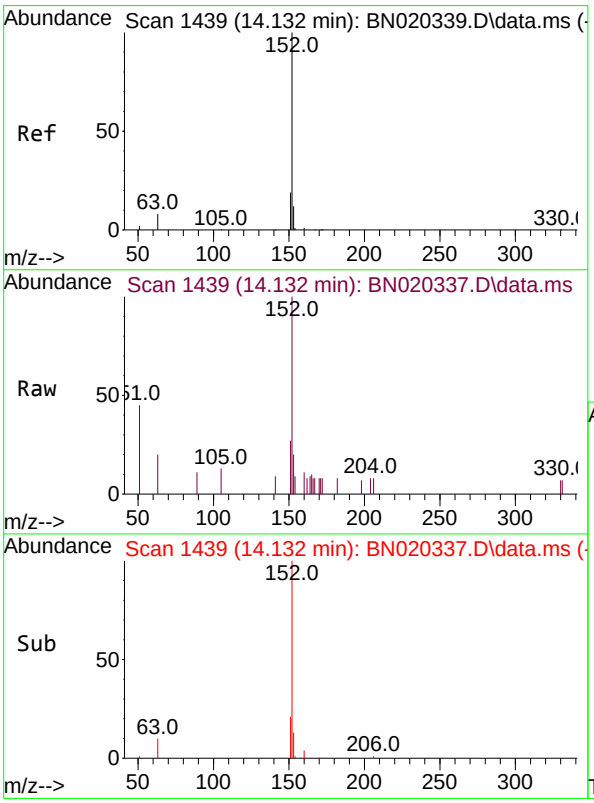
#15
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 13.041 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 992

Ion	Ratio	Lower	Upper
172	100		
171	42.1	27.2	40.8#
170	30.3	18.2	27.4#

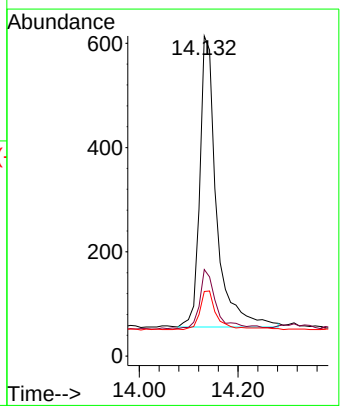


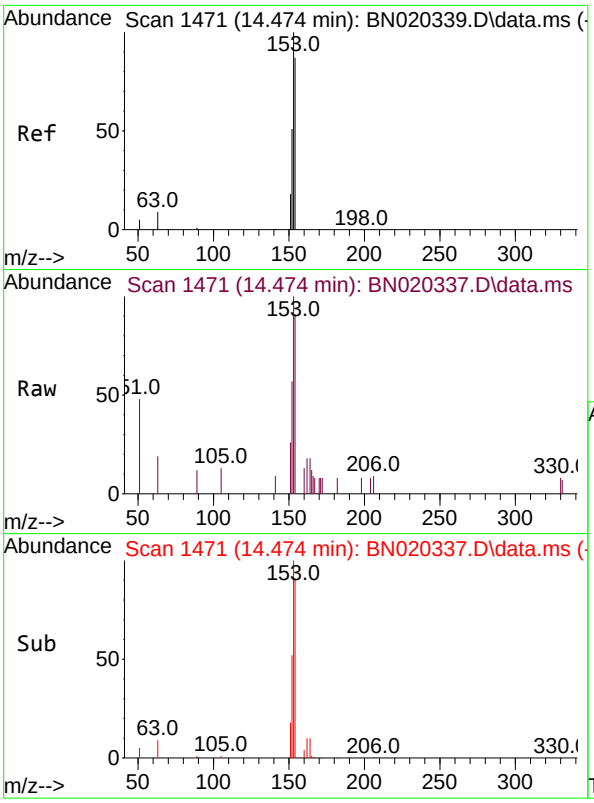


#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.132 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:152 Resp: 1313

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	13.0	10.7	16.1



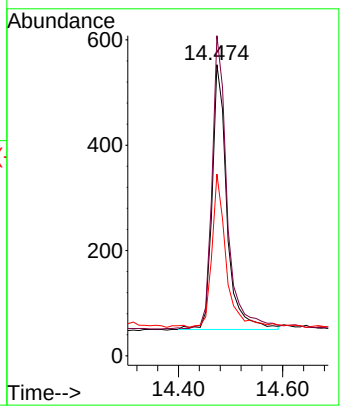


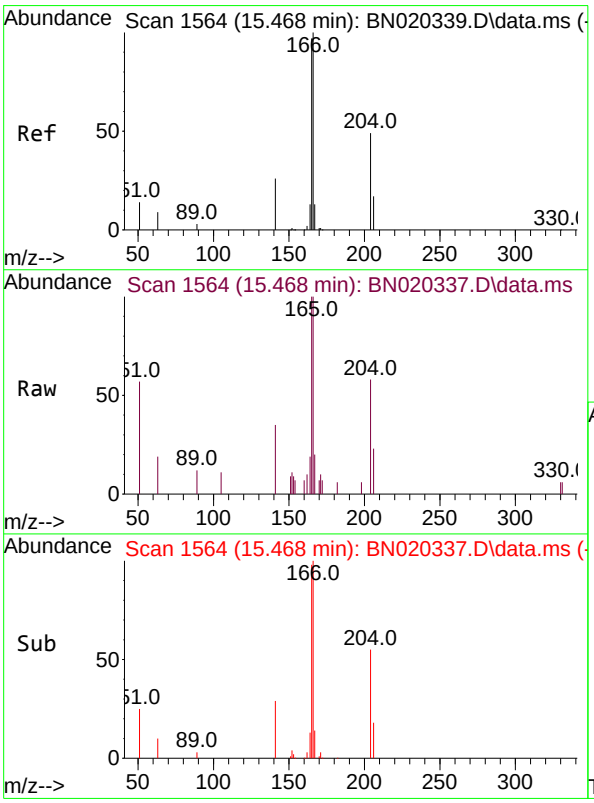
#17
Acenaphthene
Concen: 0.105 ng
RT: 14.474 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 990

Ion	Ratio	Lower	Upper
154	100		
153	112.3	87.5	131.3
152	56.3	43.8	65.6

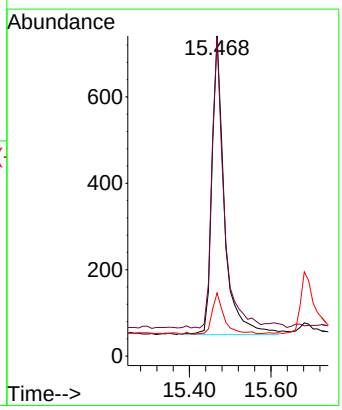


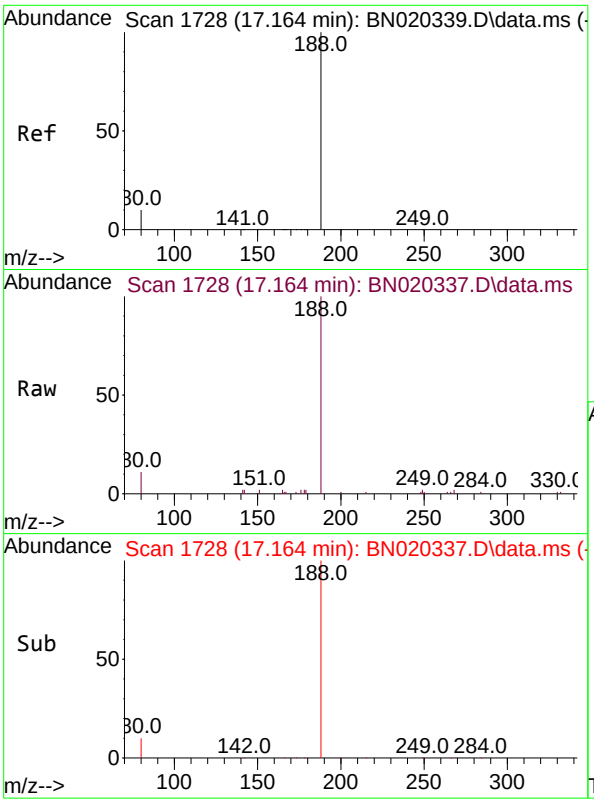


#18
Fluorene
Concen: 0.115 ng
RT: 15.468 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:166 Resp: 1460

Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.6	118.0
167	13.2	10.8	16.2



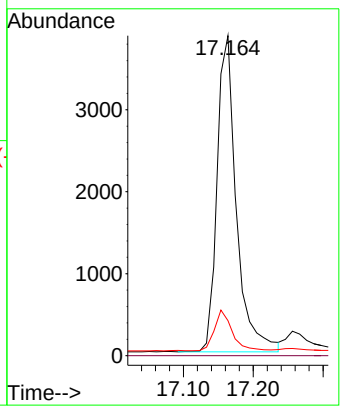


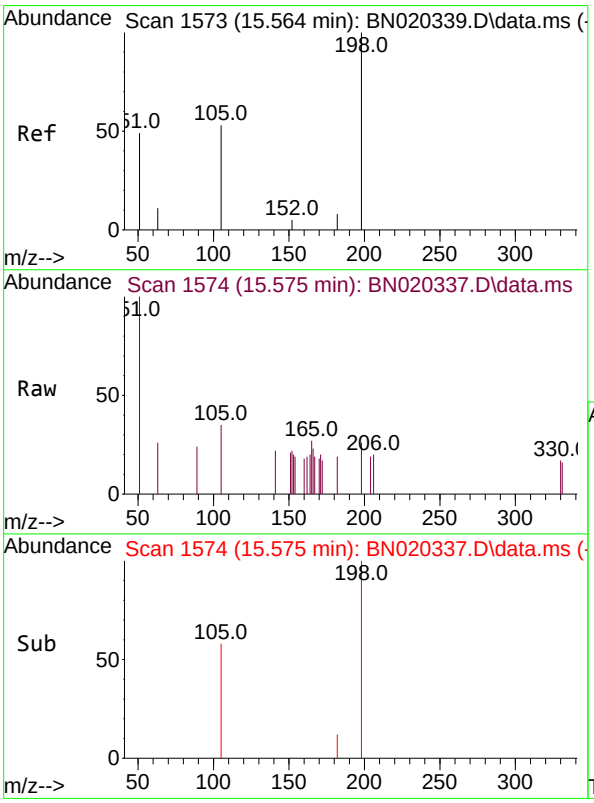
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 7411

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	7.4	11.2

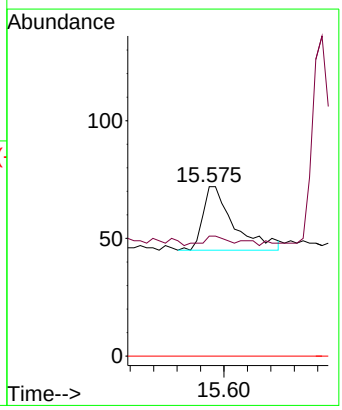


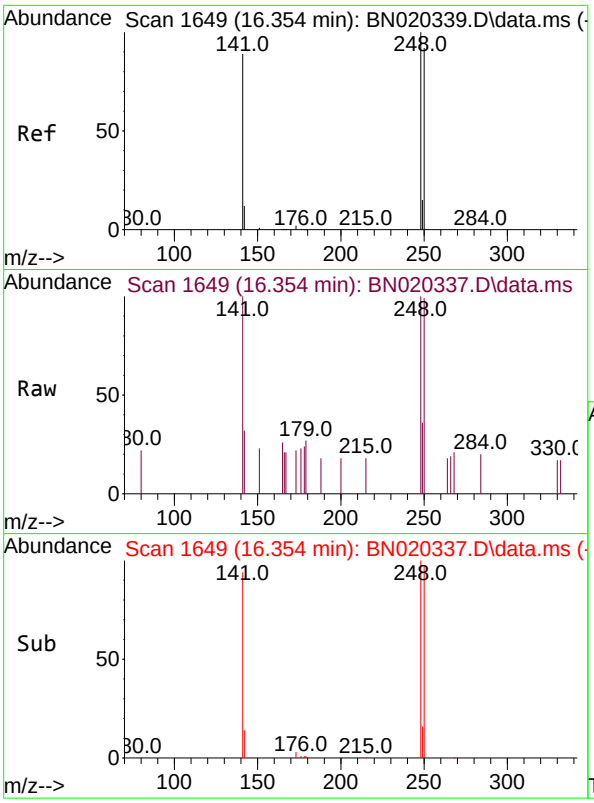


#20
4,6-Dinitro-2-methylphenol
Concen: 0.148 ng
RT: 15.575 min Scan# 1574
Delta R.T. 0.011 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:198 Resp: 99

Ion	Ratio	Lower	Upper
198	100		
182	70.8	12.1	18.1#
77	0.0	0.0	0.0



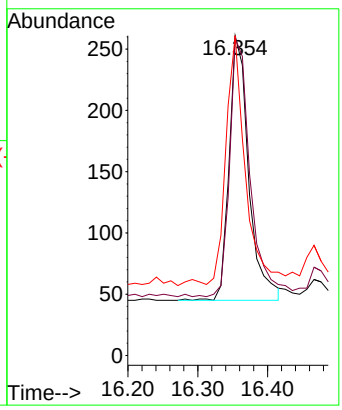


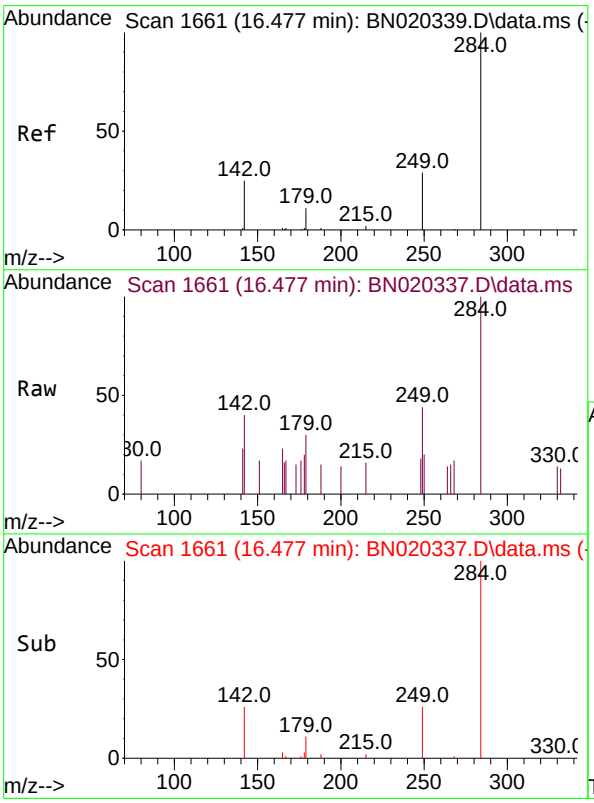
#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 16.354 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 420

Ion	Ratio	Lower	Upper
248	100		
250	99.2	75.3	112.9
141	100.0	67.3	100.9

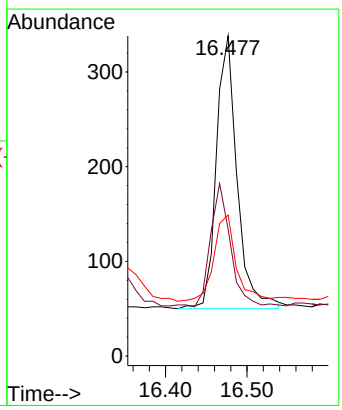


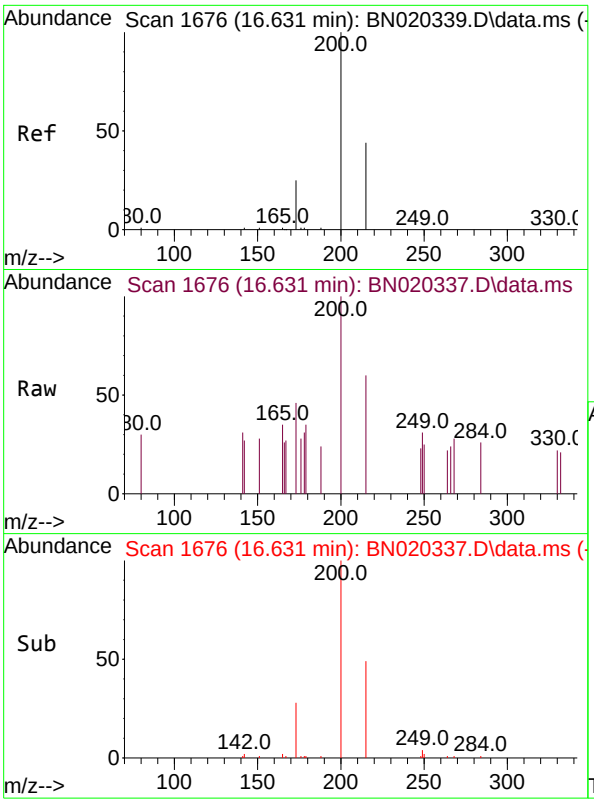


#22
Hexachlorobenzene
Concen: 0.107 ng
RT: 16.477 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:284 Resp: 509

Ion	Ratio	Lower	Upper
284	100		
142	42.4	35.2	52.8
249	33.8	26.6	40.0



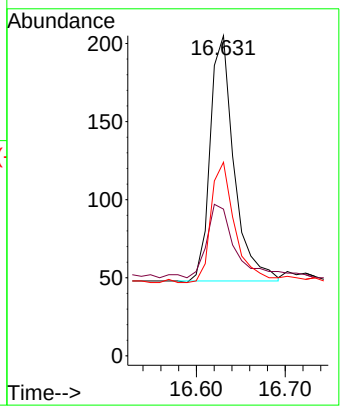


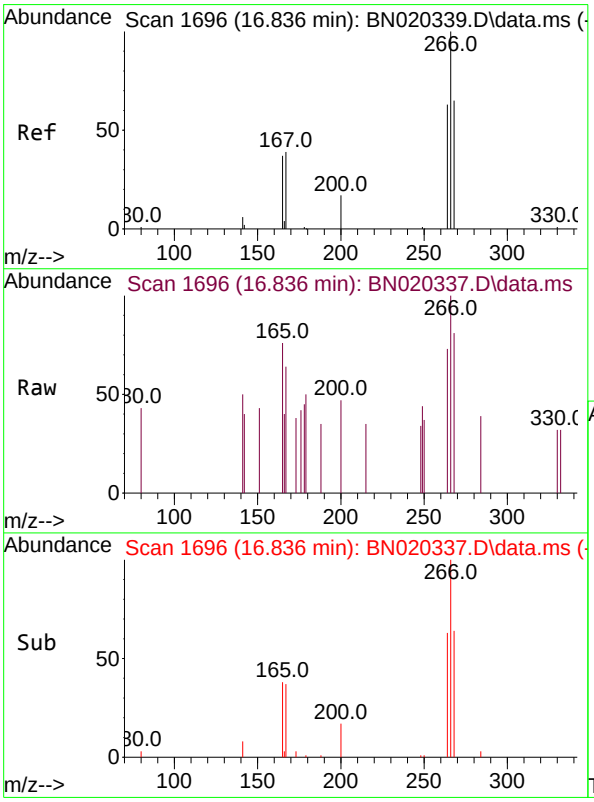
#23
Atrazine
Concen: 0.092 ng
RT: 16.631 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 292

Ion	Ratio	Lower	Upper
200	100		
173	45.9	23.6	35.4#
215	60.5	36.6	54.8#

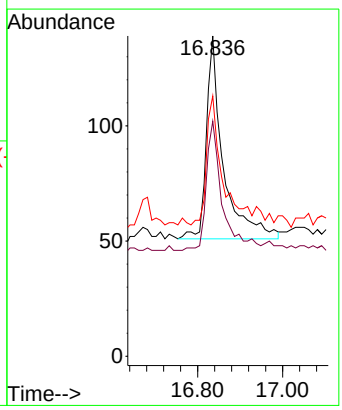


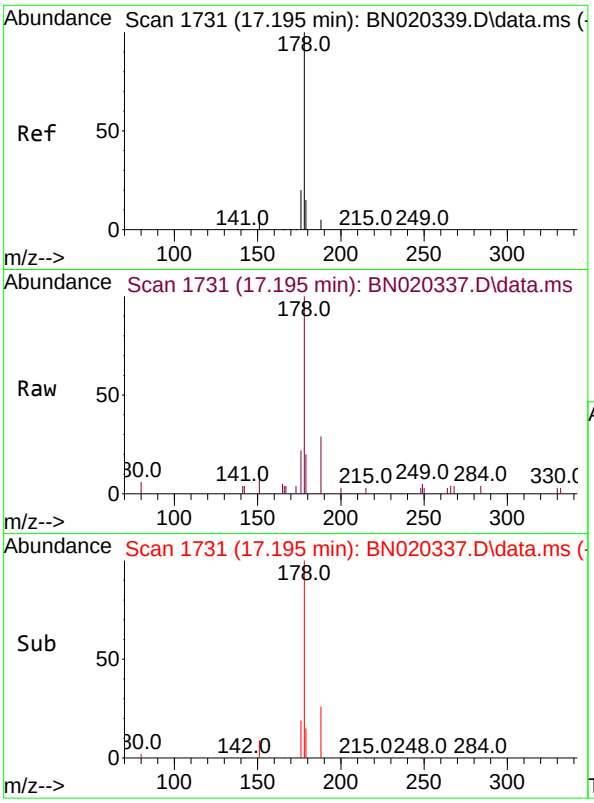


#24
Pentachlorophenol
Concen: 0.142 ng
RT: 16.836 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:266 Resp: 243

Ion	Ratio	Lower	Upper
266	100		
264	59.7	51.3	76.9
268	58.8	52.6	79.0



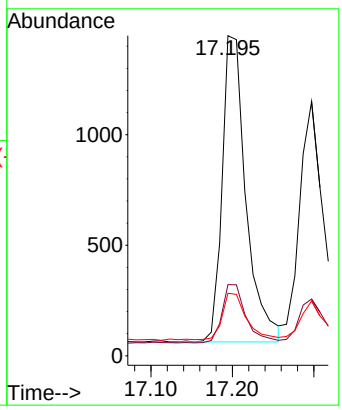


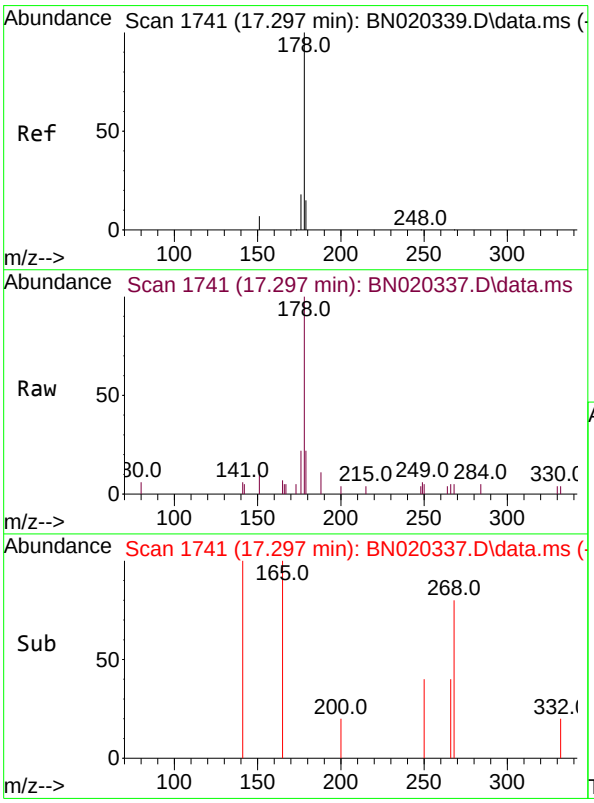
#25
Phenanthrene
Concen: 0.111 ng
RT: 17.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2816

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.2	18.4

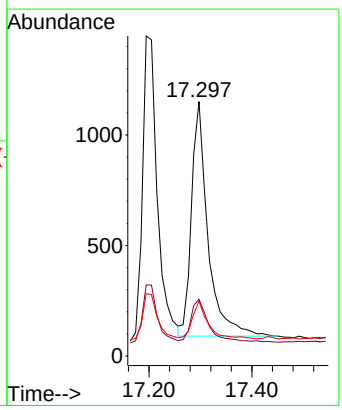


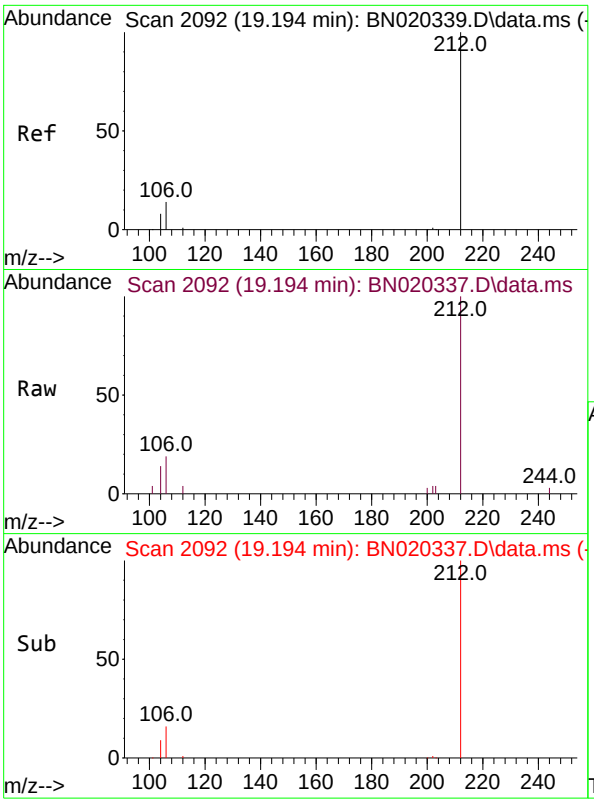


#26
Anthracene
Concen: 0.109 ng
RT: 17.297 min Scan# 1741
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:178 Resp: 2356

Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.9	22.3
179	15.2	12.2	18.4



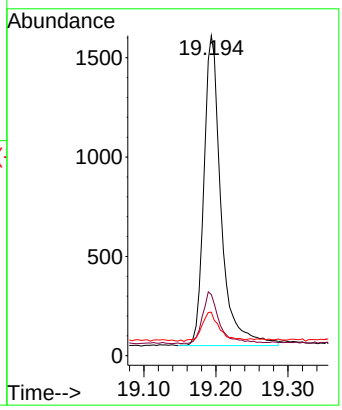


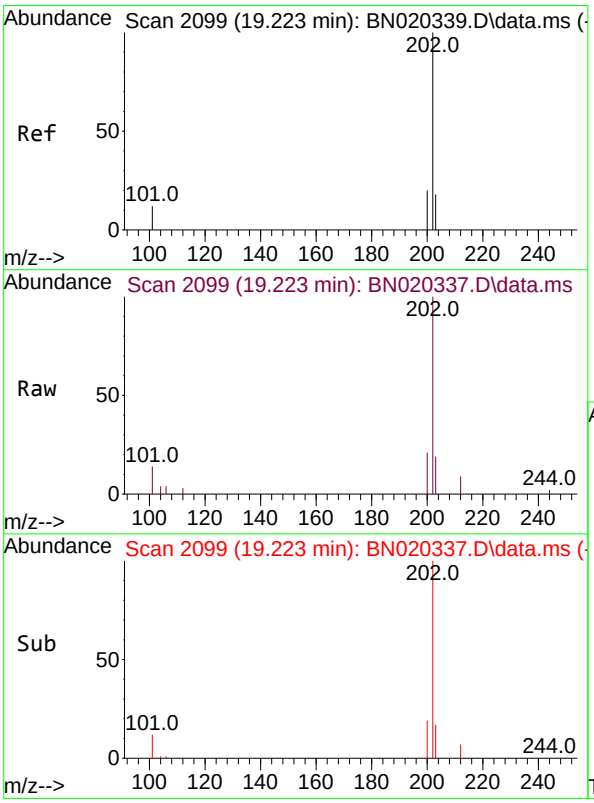
#27
Fluoranthene-d10
Concen: 0.112 ng
RT: 19.194 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 2580

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.4	7.2	10.8

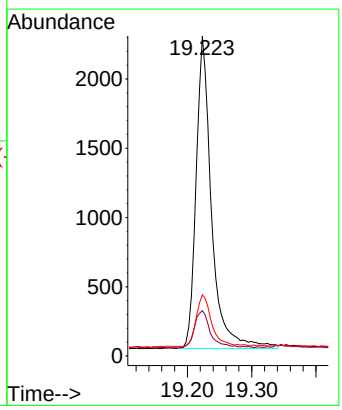


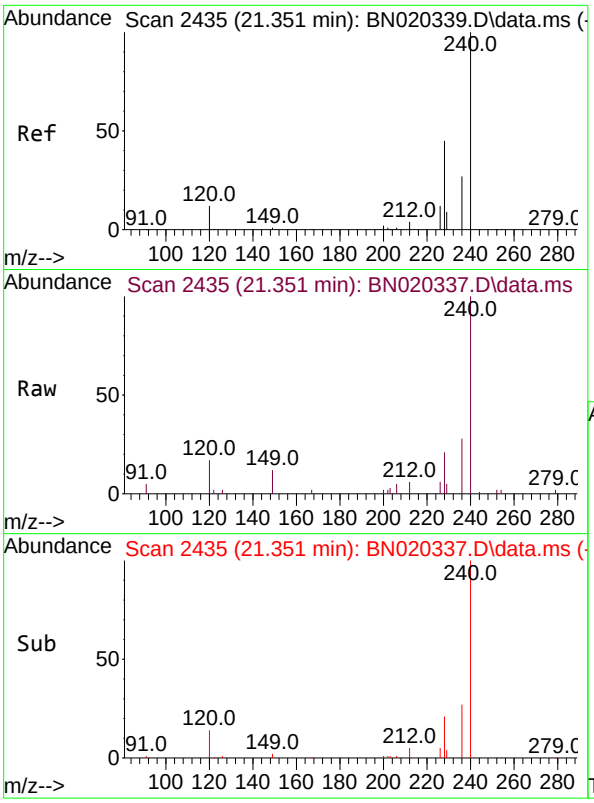


#28
Fluoranthene
Concen: 0.132 ng
RT: 19.223 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:202 Resp: 3767

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.6	14.4
203	16.2	13.5	20.3



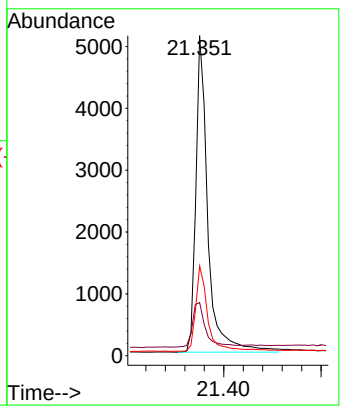


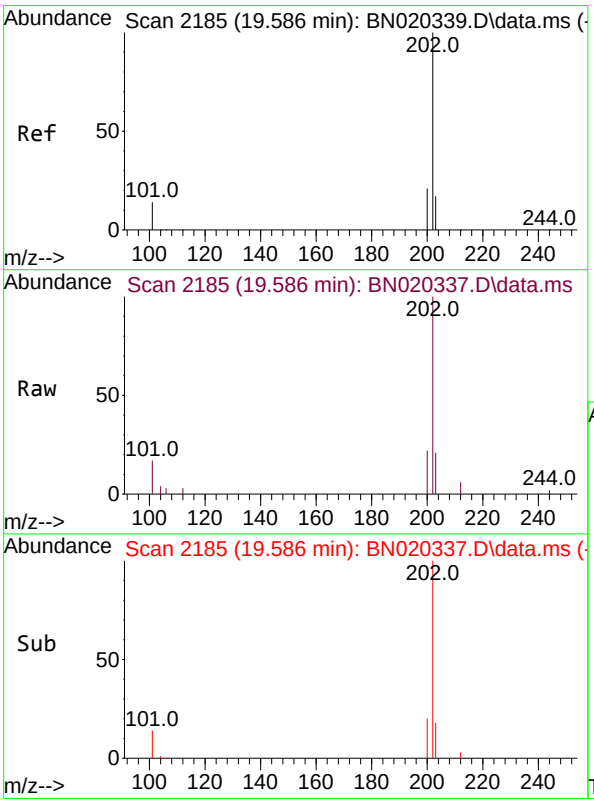
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.351 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 8726

Ion	Ratio	Lower	Upper
240	100		
120	16.6	14.6	21.8
236	28.0	22.6	33.8

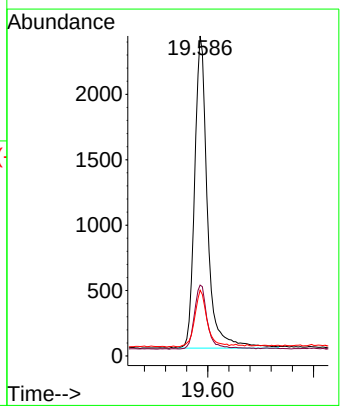


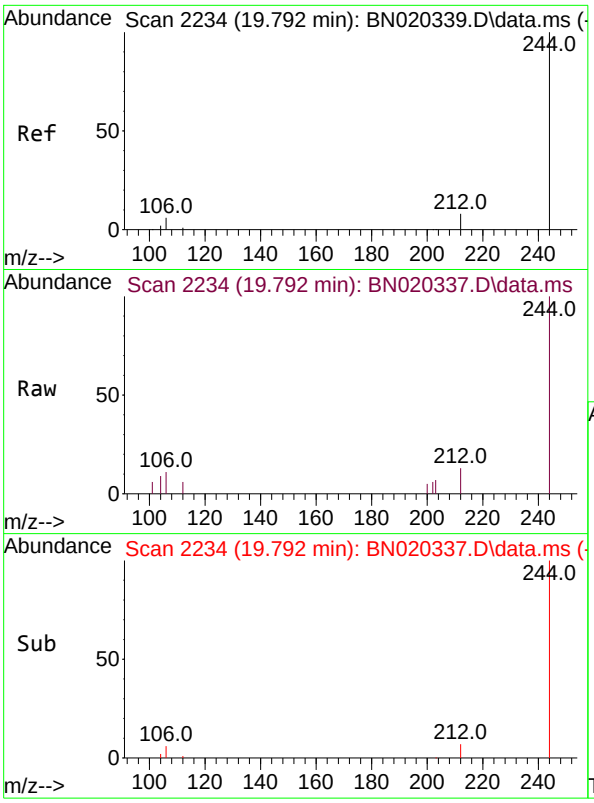


#30
Pyrene
Concen: 0.107 ng
RT: 19.586 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:202 Resp: 4027

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	25.0
203	17.4	14.2	21.2



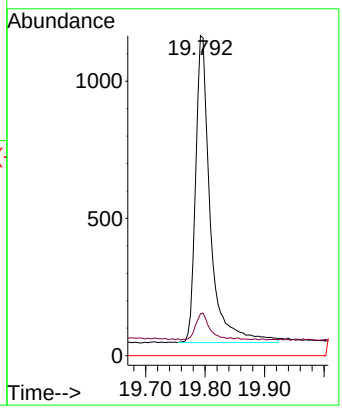


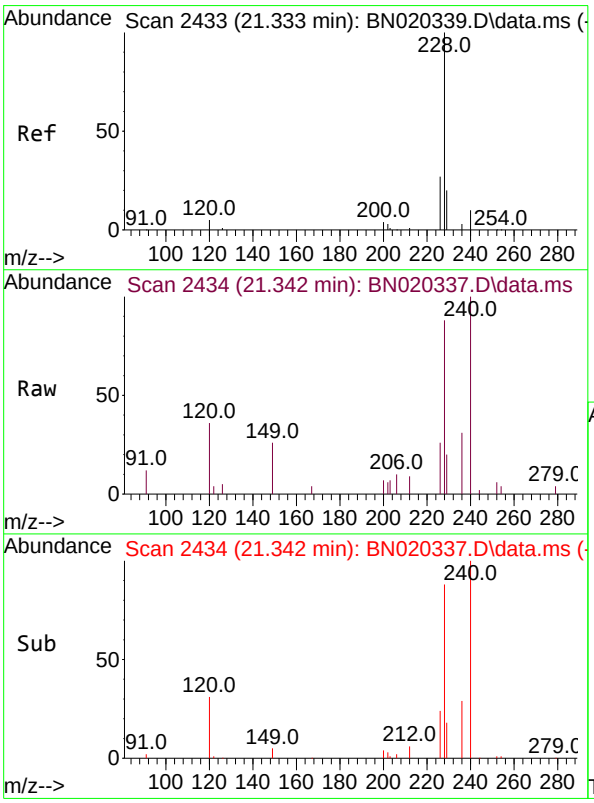
#31
Terphenyl-d14
Concen: 0.091 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 1922

Ion	Ratio	Lower	Upper
244	100		
212	13.1	7.1	10.7#
122	0.0	0.0	0.0

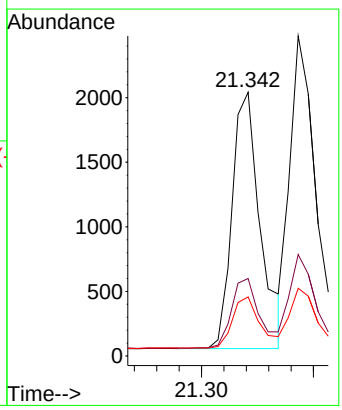


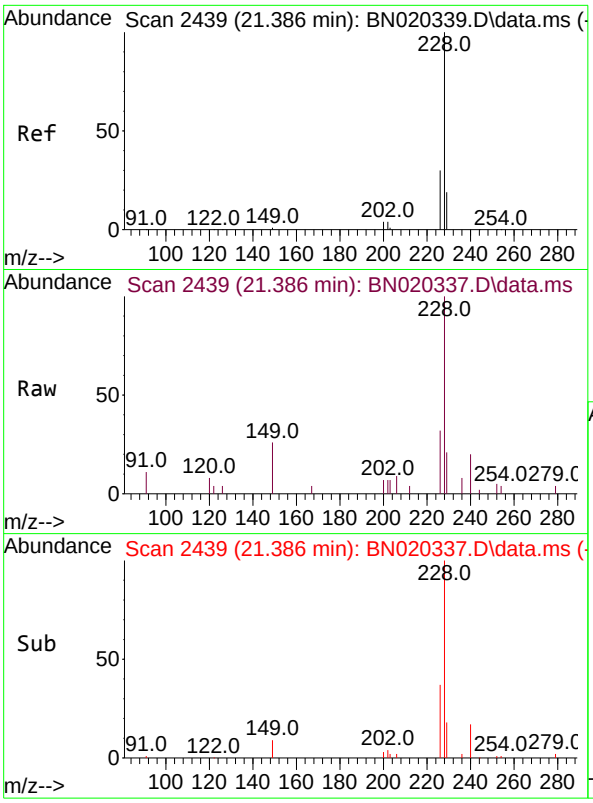


#32
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.342 min Scan# 2434
Delta R.T. 0.009 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:228 Resp: 3456

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.2	31.8
229	22.4	15.6	23.4



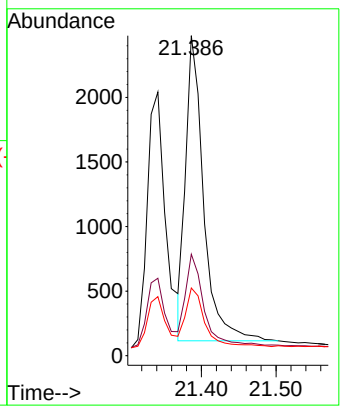


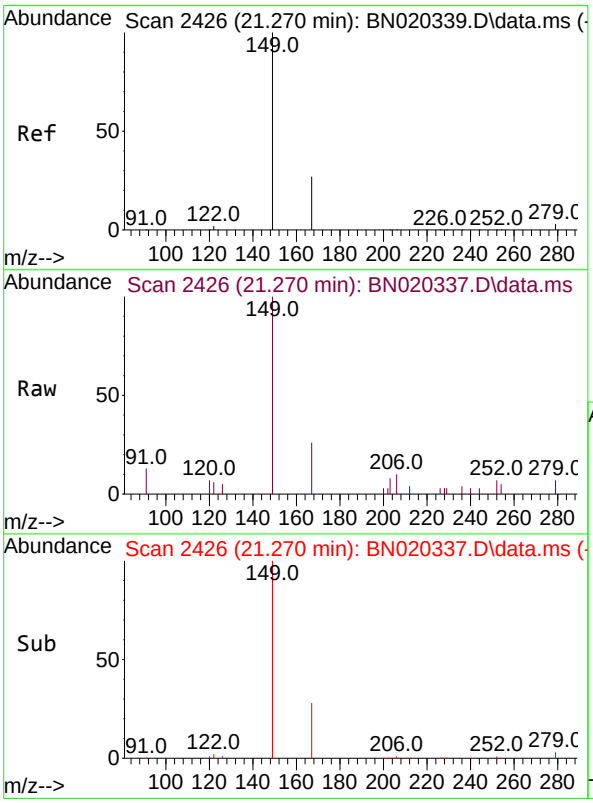
#33
Chrysene
Concen: 0.113 ng
RT: 21.386 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 3957

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.0
229	21.2	15.7	23.5

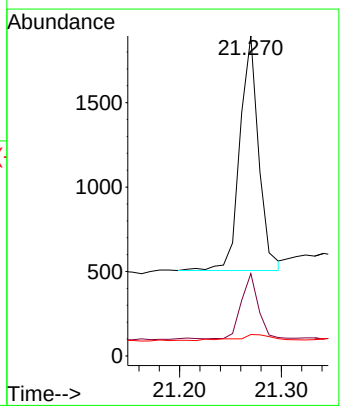


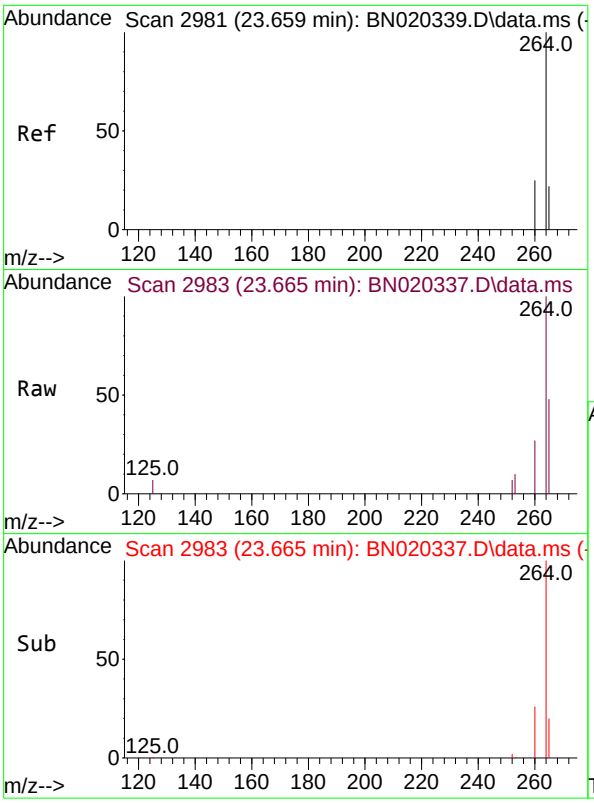


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.092 ng
RT: 21.270 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:149 Resp: 1781

Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.7	32.5
279	4.2	2.2	3.2#



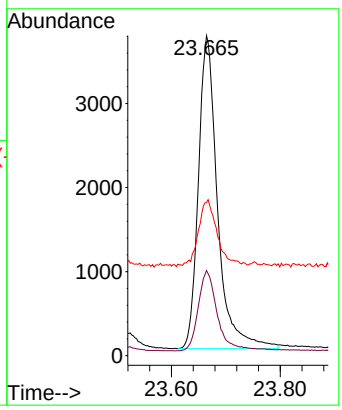


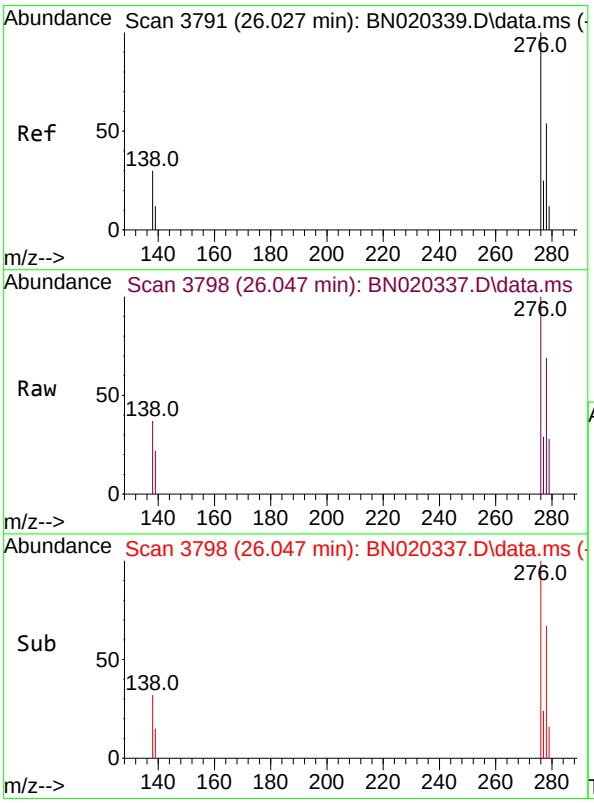
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.665 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 9105

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.9	31.3
265	47.9	28.0	42.0#

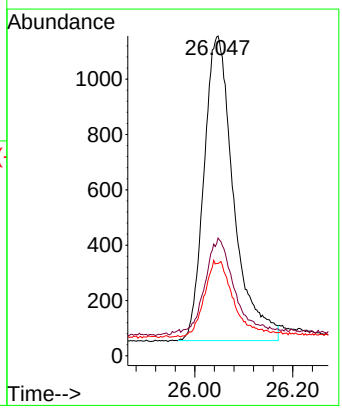


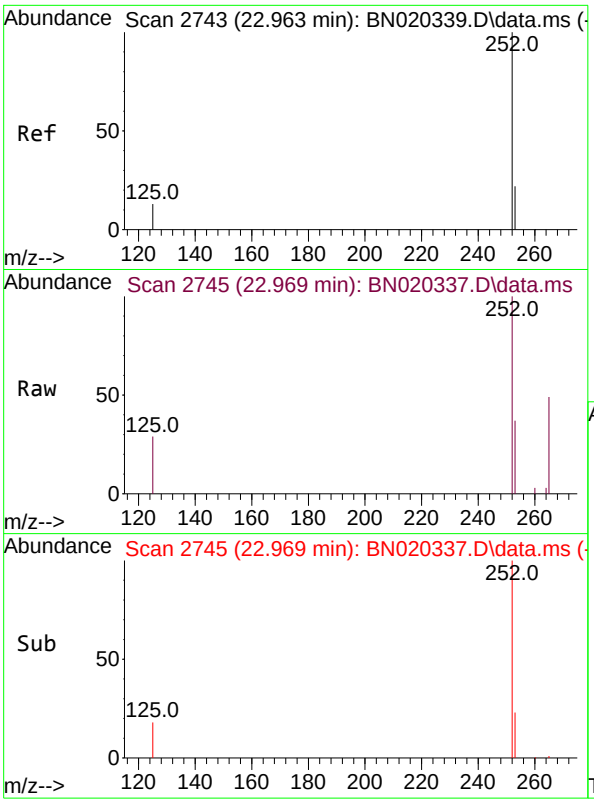


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.121 ng
RT: 26.047 min Scan# 3798
Delta R.T. 0.020 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:276 Resp: 4627

Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.9	38.9
277	10.5	19.8	29.8#



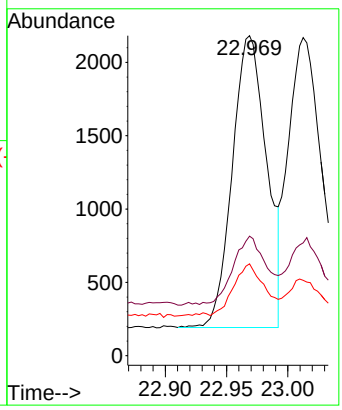


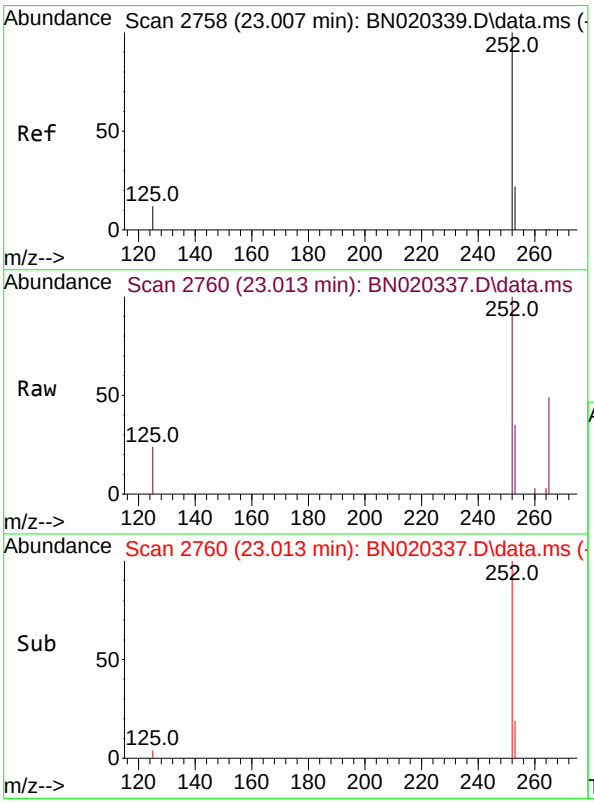
#37
Benzo(b)fluoranthene
Concen: 0.104 ng
RT: 22.969 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3871

Ion	Ratio	Lower	Upper
252	100		
253	37.4	18.5	27.7#
125	28.7	11.4	17.0#

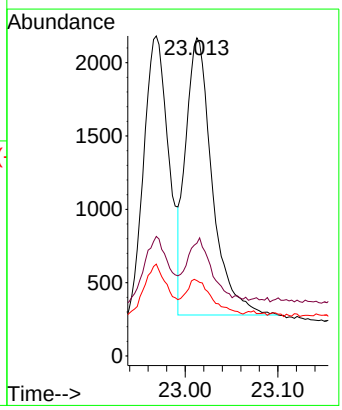


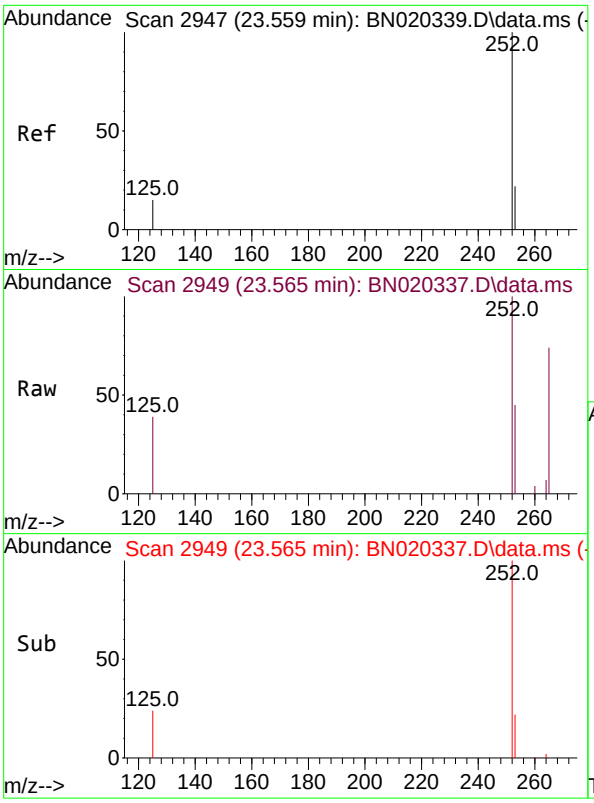


#38
Benzo(k)fluoranthene
Concen: 0.100 ng
RT: 23.013 min Scan# 2760
Delta R.T. 0.006 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:252 Resp: 3764

Ion	Ratio	Lower	Upper
252	100		
253	35.5	18.0	27.0#
125	23.7	11.0	16.4#



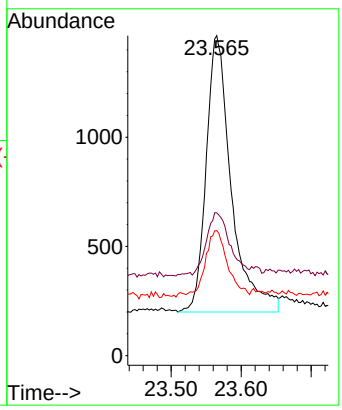


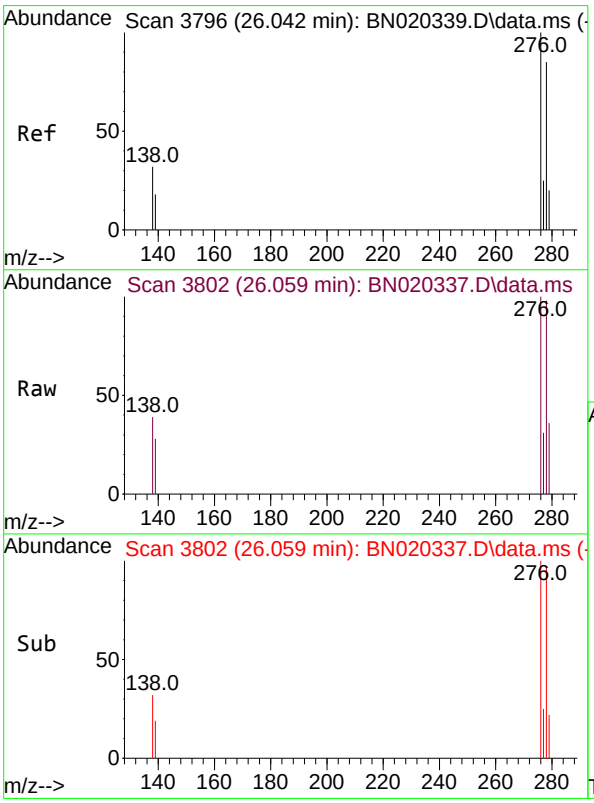
#39
Benzo(a)pyrene
Concen: 0.102 ng
RT: 23.565 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3165

Ion	Ratio	Lower	Upper
252	100		
253	44.6	19.0	28.4#
125	39.1	13.8	20.8#

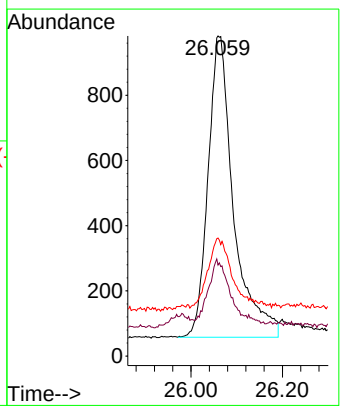


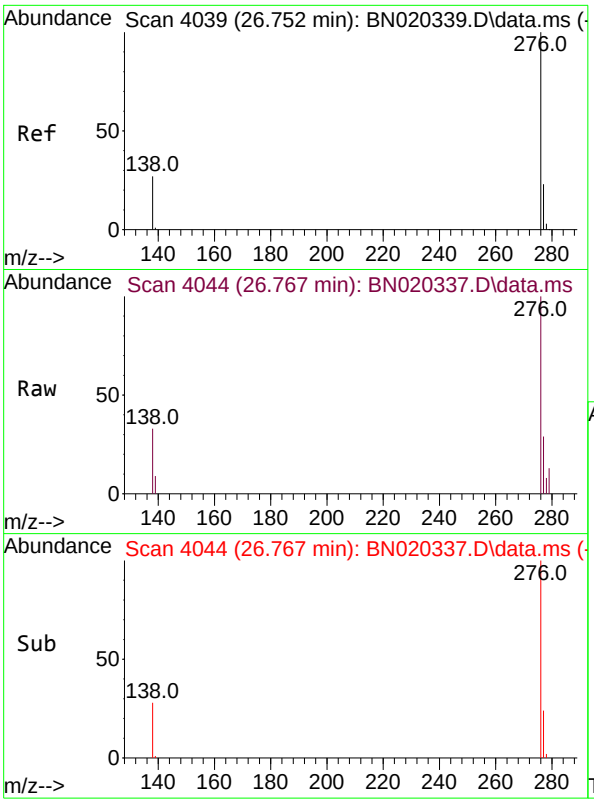


#40
Dibenzo(a,h)anthracene
Concen: 0.116 ng
RT: 26.059 min Scan# 3802
Delta R.T. 0.017 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Tgt Ion:278 Resp: 3577

Ion	Ratio	Lower	Upper
278	100		
139	28.4	18.6	28.0#
279	36.9	19.7	29.5#





#41
Benzo(g,h,i)perylene
Concen: 0.124 ng
RT: 26.767 min Scan# 4
Delta R.T. 0.015 min
Lab File: BN020337.D
Acq: 22 Jun 2022 11:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 4192

Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.5	29.3
138	33.0	22.6	34.0