Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102620\
Data File : BN012393.D
Acq On : 26 Oct 2020 10:51
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC0.1

Quant Time: Oct 26 12:47:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 26 12:39:15 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.586	152	528	0.40	ng	# 0.00
7) Naphthalene-d8	10.364	136	2062	0.40	ng	# 0.01
13) Acenaphthene-d10	14.230	164	1236	0.40	ng	0.01
19) Phenanthrene-d10	16.980	188	2572	0.40	ng	# 0.01
29) Chrysene-d12	21.184	240	2692	0.40	ng	# 0.00
36) Perylene-d12	23.357	264	3204	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.194	112	205	0.14	ng	0.00
5) Phenol-d6	6.773	99	216	0.12	ng	0.00
8) Nitrobenzene-d5	8.755	82	192	0.09	ng	0.03
11) 2-Methylnaphthalene-d10	11.976	152	329	0.09	ng	0.02
14) 2,4,6-Tribromophenol	15.740	330	88	0.13	ng	0.01
15) 2-Fluorobiphenyl	12.860	172	437	0.08	ng	0.01
27) Fluoranthene-d10	19.023	212	847	0.10	ng	0.01
31) Terphenyl-d14	19.633	244	671	0.09	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.181	88	119	0.17	ng	# 84
6) bis(2-Chloroethyl)ether	7.031	93	119	0.08	ng	# 76
9) Naphthalene	10.402	128	634	0.11	ng	# 57
10) Hexachlorobutadiene	10.681	225	138	0.09	ng	# 99
12) 2-Methylnaphthalene	12.051	142	369	0.09	ng	# 80
16) Acenaphthylene	13.951	152	617	0.10	ng	97
17) Acenaphthene	14.294	154	405	0.09	ng	94
18) Fluorene	15.296	166	499	0.09	ng	94
20) 4,6-Dinitro-2-methylph...	15.435	198	48	0.08	ng	# 1
21) 4-Bromophenyl-phenylether	16.189	248	157	0.10	ng	# 86
22) Hexachlorobenzene	16.287	284	202	0.11	ng	# 84
23) Atrazine	16.457	200	153	0.10	ng	# 56
25) Phenanthrene	17.017	178	770	0.09	ng	96
26) Anthracene	17.127	178	684	0.09	ng	97
28) Fluoranthene	19.052	202	920	0.09	ng	# 98
30) Pyrene	19.415	202	995	0.10	ng	98
32) Benzo(a)anthracene	21.174	228	766	0.08	ng	# 82
33) Chrysene	21.216	228	1041	0.10	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.099	149	624	0.13	ng	# 90
35) Indeno(1,2,3-cd)pyrene	25.531	276	1435	0.11	ng	# 95
37) Benzo(b)fluoranthene	22.714	252	1034	0.08	ng	# 40
38) Benzo(k)fluoranthene	22.755	252	1241	0.09	ng	# 43
39) Benzo(a)pyrene	23.265	252	1027	0.09	ng	# 29
40) Dibenzo(a,h)anthracene	25.541	278	1147	0.09	ng	# 33
41) Benzo(g,h,i)perylene	26.178	276	1280	0.10	ng	# 75

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

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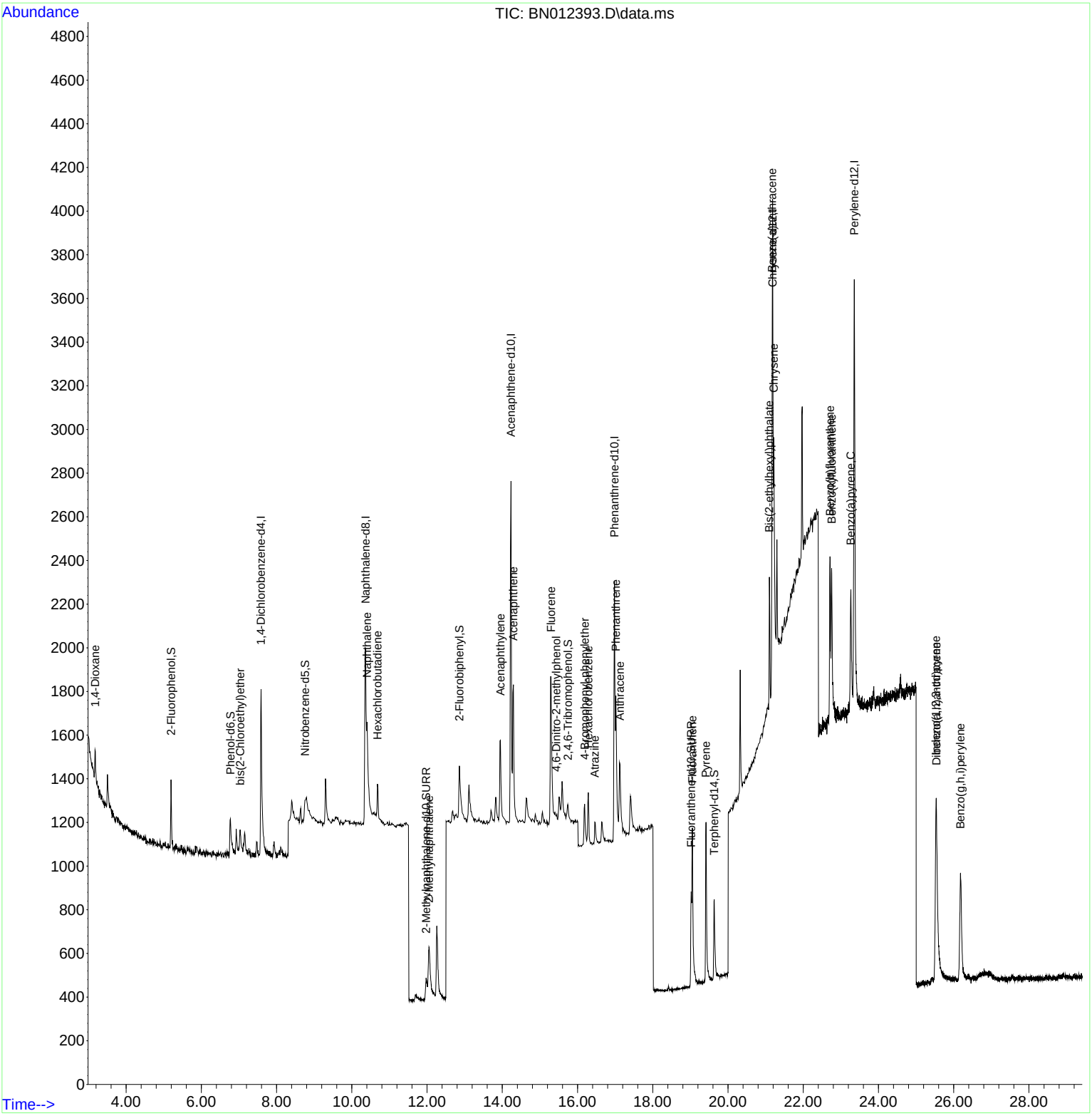
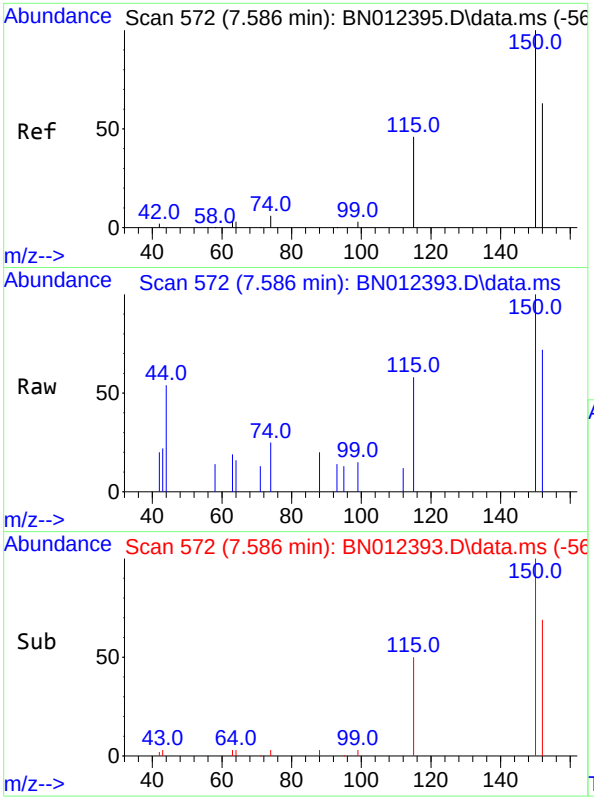
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Oct 26 12:47:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 26 12:39:15 2020
Response via : Initial Calibration



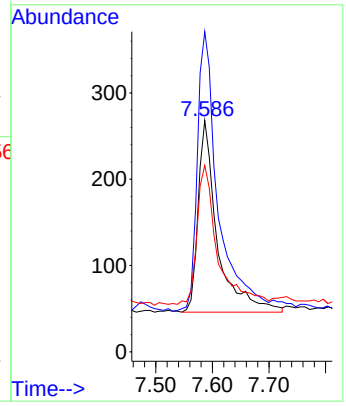
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

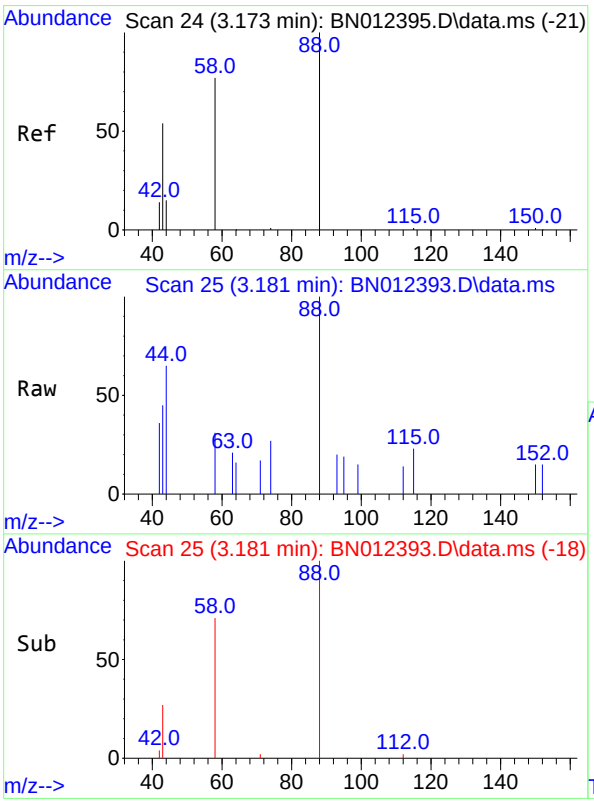


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.586 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:152 Resp: 528

Ion	Ratio	Lower	Upper
152	100		
150	138.4	116.6	174.8
115	80.6	52.9	79.3#

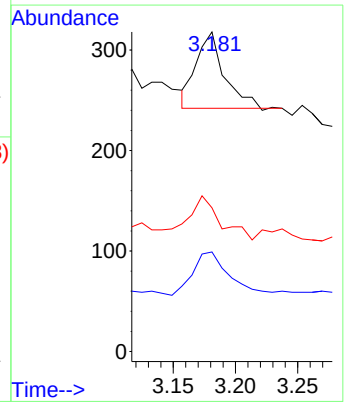




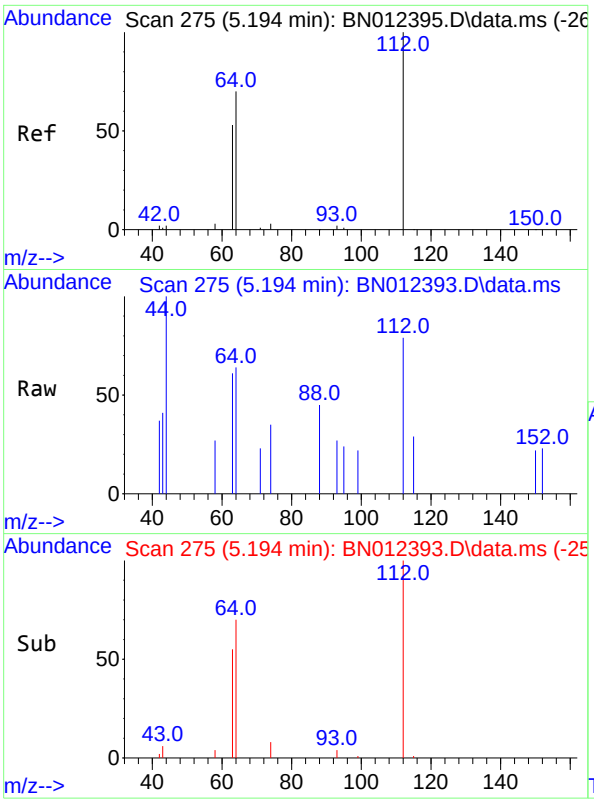
#2
1,4-Dioxane
Concen: 0.17 ng
RT: 3.181 min Scan# 25
Delta R.T. 0.008 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion: 88 Resp: 119

Ion	Ratio	Lower	Upper
88	100		
58	73.1	59.4	89.2
43	67.2	32.3	48.5#



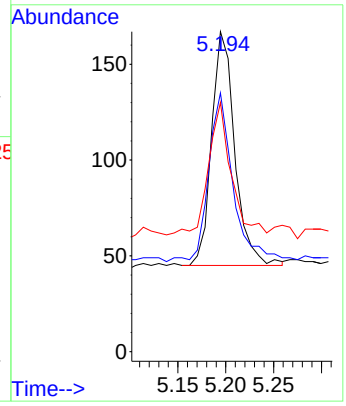
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

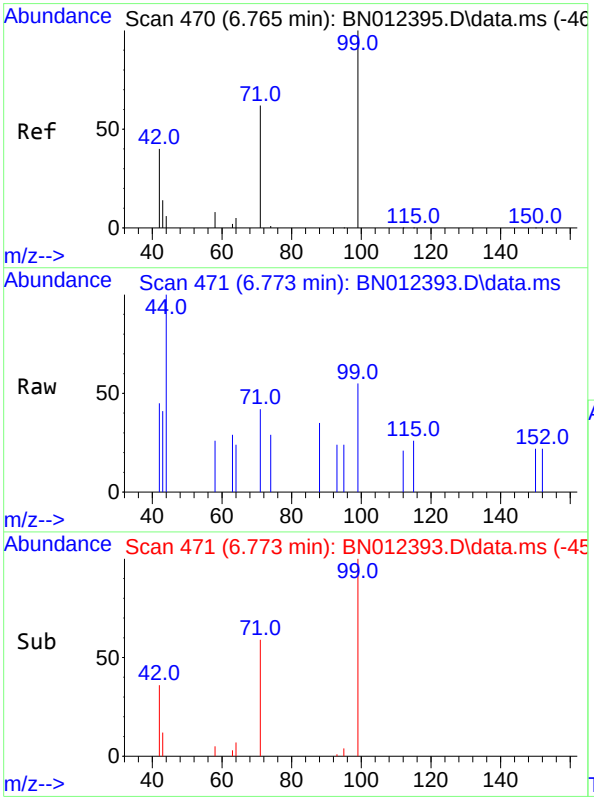


#4
2-Fluorophenol
Concen: 0.14 ng
RT: 5.194 min Scan# 275
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:112 Resp: 205

Ion	Ratio	Lower	Upper
112	100		
64	77.1	49.5	74.3#
63	56.1	32.0	48.0#

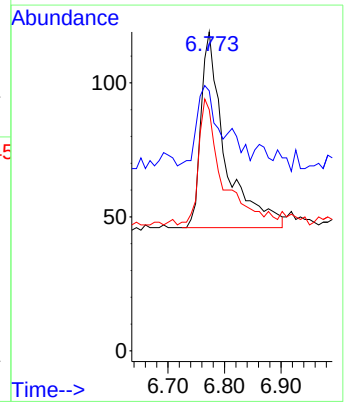




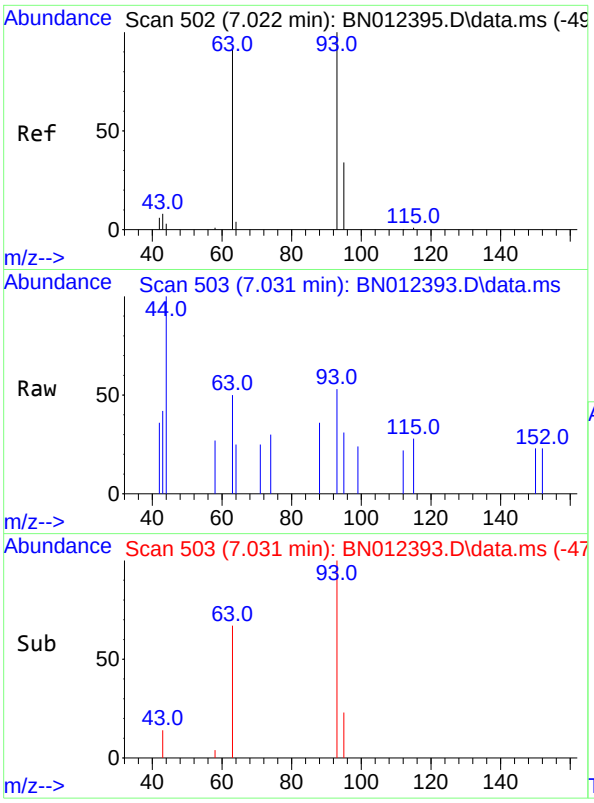
#5
Phenol-d6
Concen: 0.12 ng
RT: 6.773 min Scan# 471
Delta R.T. 0.008 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion: 99 Resp: 216

Ion	Ratio	Lower	Upper
99	100		
42	29.6	22.4	33.6
71	63.4	37.8	56.6#



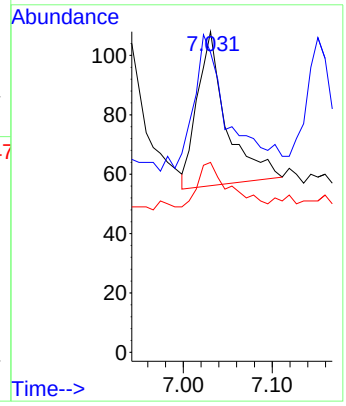
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

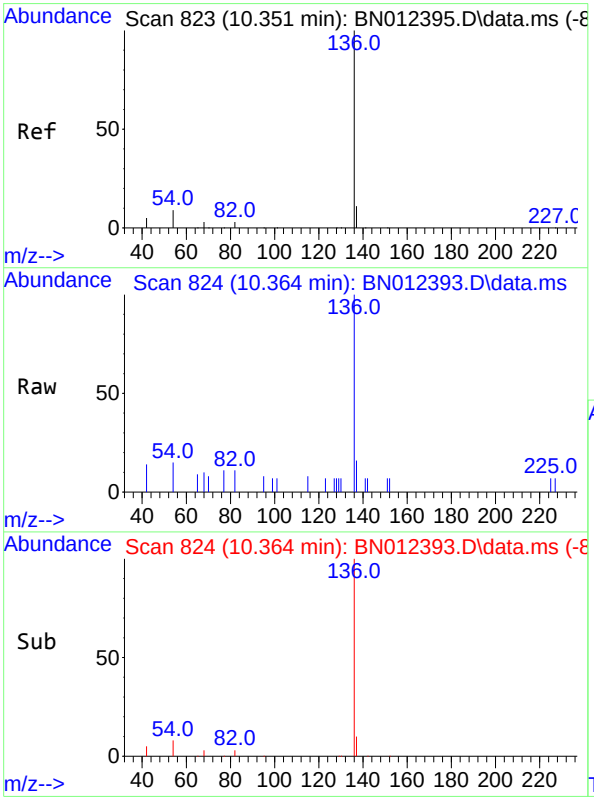


#6
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.031 min Scan# 503
Delta R.T. 0.008 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion: 93 Resp: 119

Ion	Ratio	Lower	Upper
93	100		
63	107.6	63.1	94.7#
95	30.3	26.1	39.1

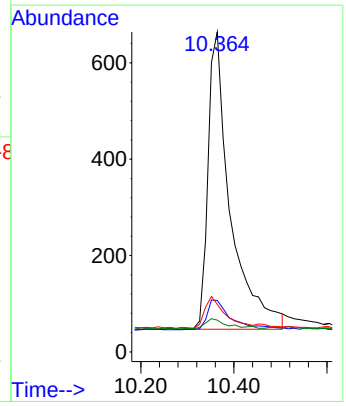




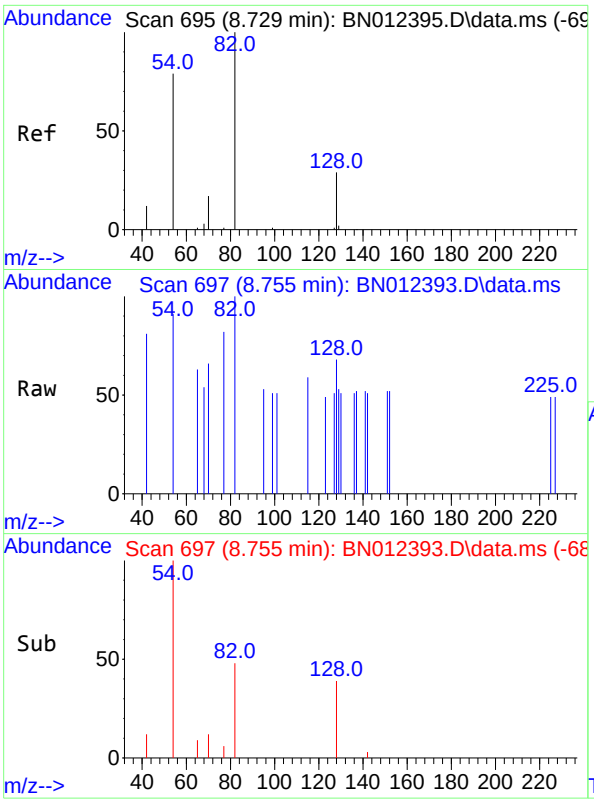
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.364 min Scan# 824
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:136 Resp: 2062

Ion	Ratio	Lower	Upper
136	100		
137	16.1	10.6	15.8#
54	14.9	8.6	12.8#
68	9.9	5.7	8.5#



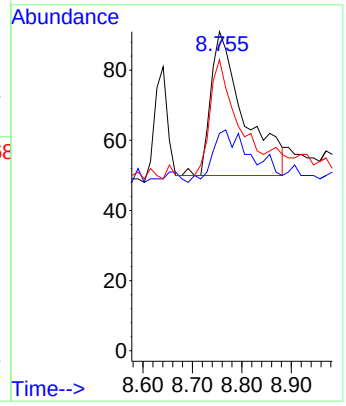
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

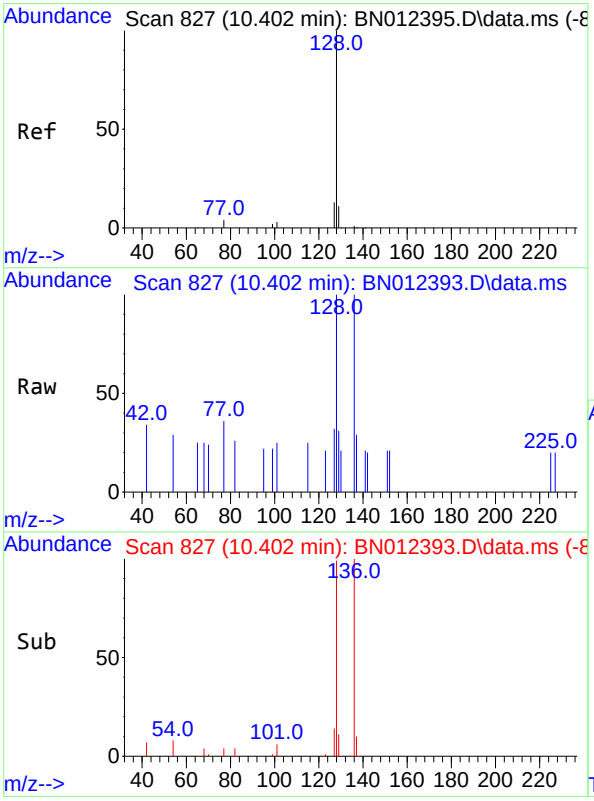


#8
Nitrobenzene-d5
Concen: 0.09 ng
RT: 8.755 min Scan# 697
Delta R.T. 0.026 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion: 82 Resp: 192

Ion	Ratio	Lower	Upper
82	100		
128	68.1	30.6	46.0#
54	91.2	48.3	72.5#

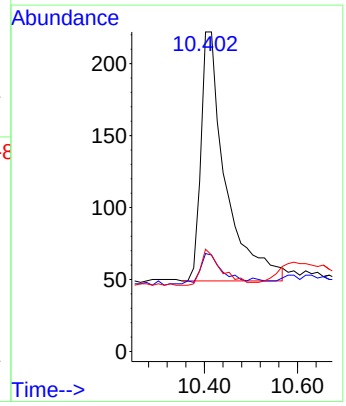




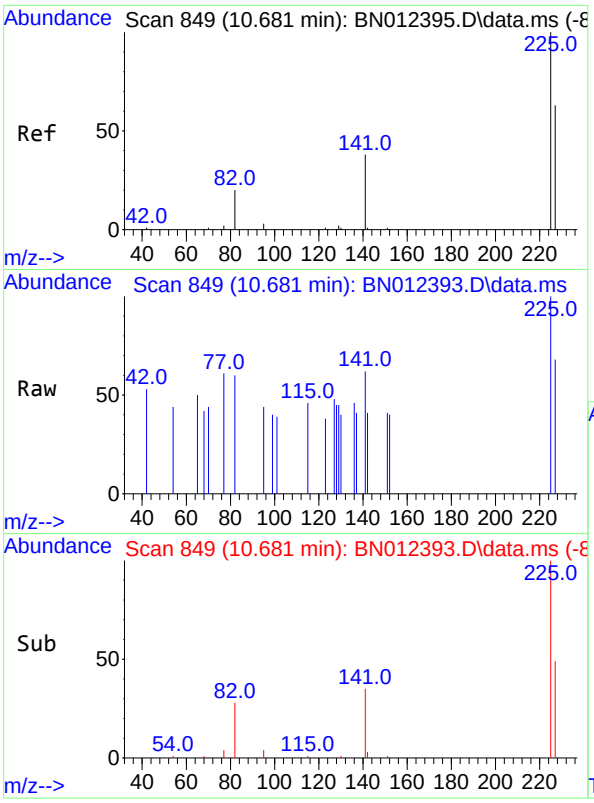
#9
Naphthalene
Concen: 0.11 ng
RT: 10.402 min Scan# 827
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:128 Resp: 634

Ion	Ratio	Lower	Upper
128	100		
129	30.6	9.8	14.8#
127	32.0	12.2	18.4#



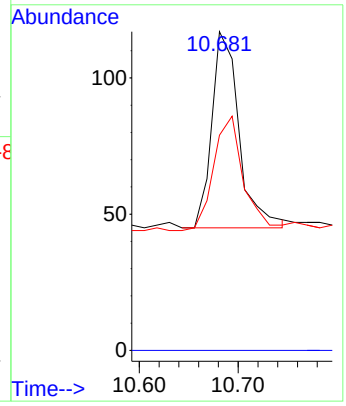
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

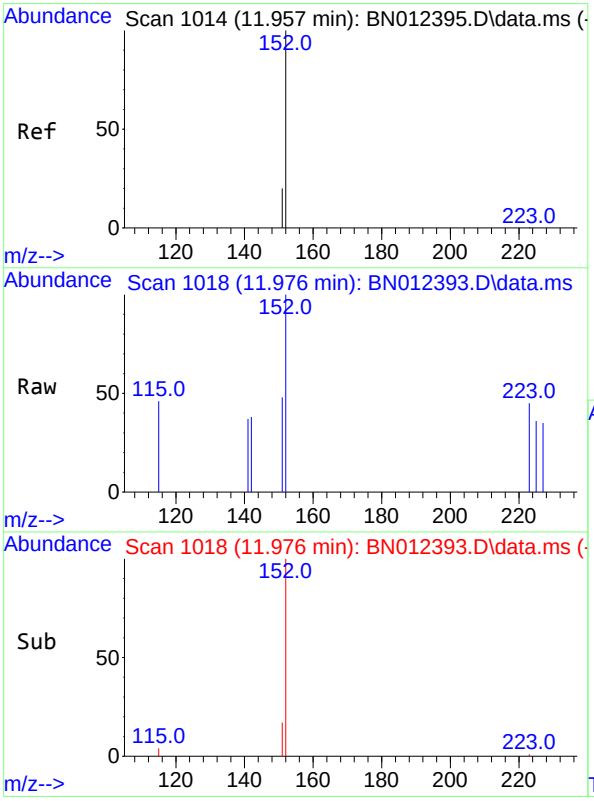


#10
Hexachlorobutadiene
Concen: 0.09 ng
RT: 10.681 min Scan# 849
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:225 Resp: 138

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	51.0	76.6

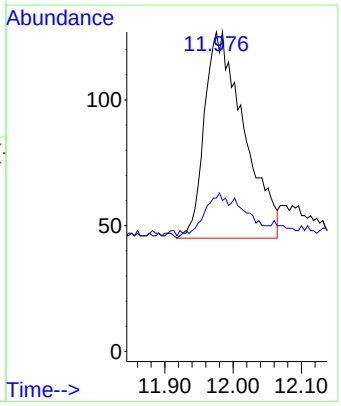




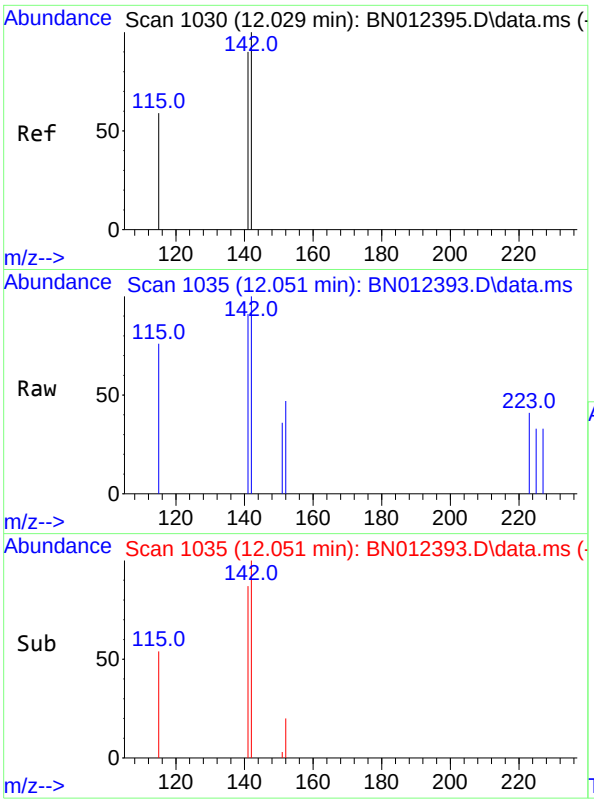
#11
2-Methylnaphthalene-d10
Concen: 0.09 ng
RT: 11.976 min Scan# 1018
Delta R.T. 0.018 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:152 Resp: 329

Ion	Ratio	Lower	Upper
152	100		
151	11.6	16.7	25.1#



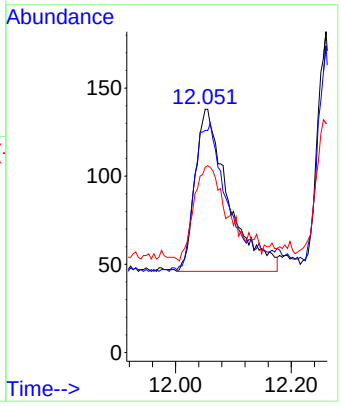
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

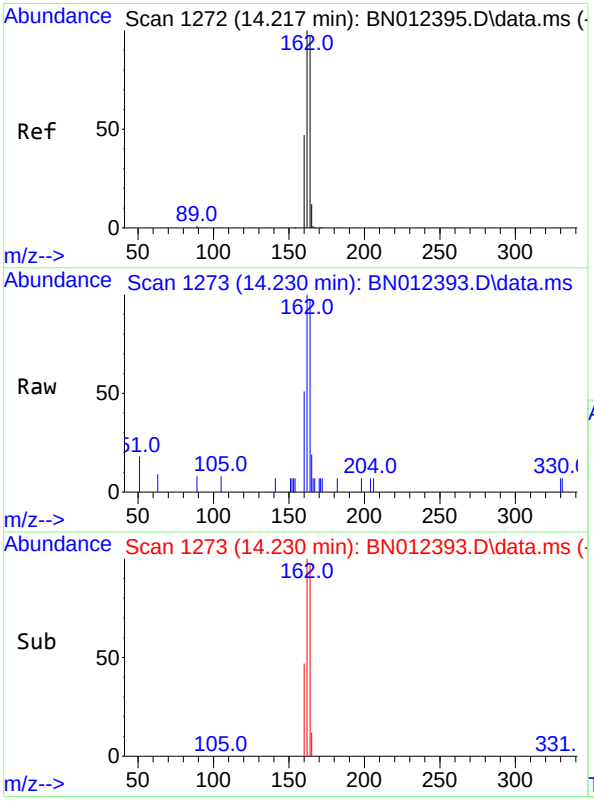


#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.051 min Scan# 1035
Delta R.T. 0.022 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:142 Resp: 369

Ion	Ratio	Lower	Upper
142	100		
141	91.3	69.4	104.2
115	76.1	35.7	53.5#

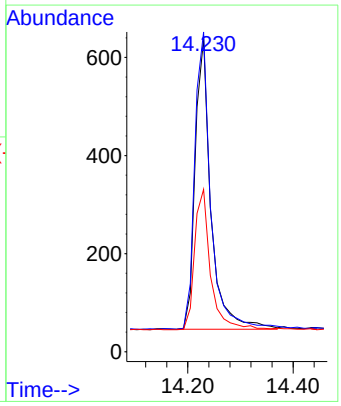




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.230 min Scan# 1273
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:164 Resp: 1236

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	51.9	39.5	59.3



Instrument :
BNA_N
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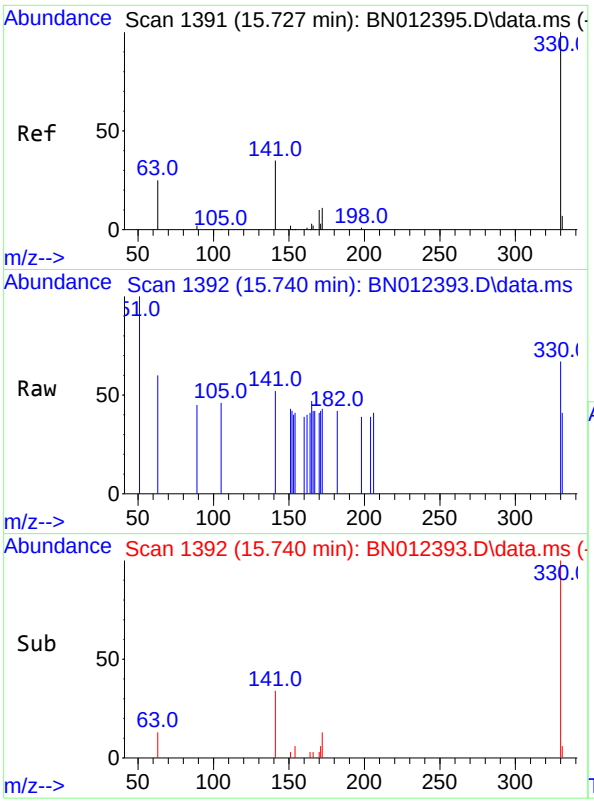
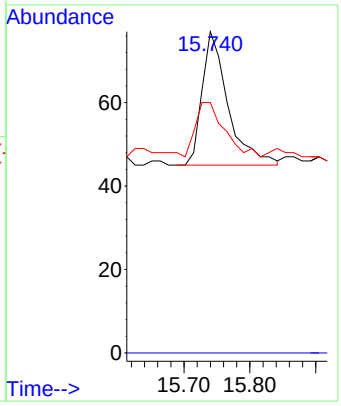
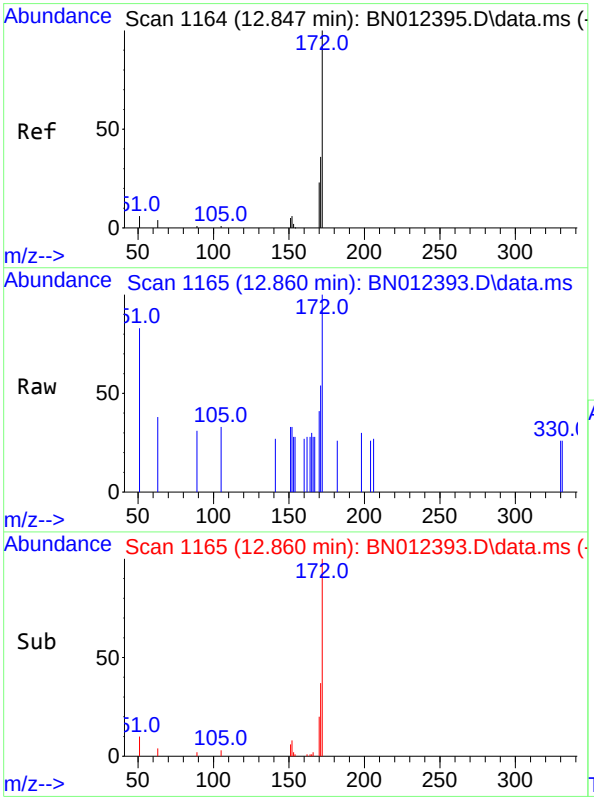


#14
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.740 min Scan# 1392
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:330 Resp: 88

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.5	34.4	51.6

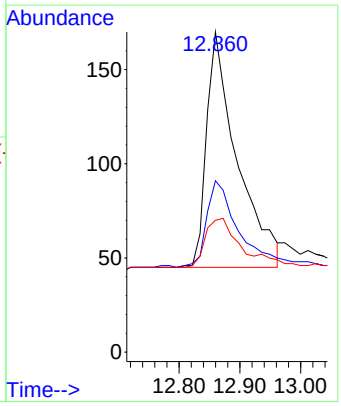




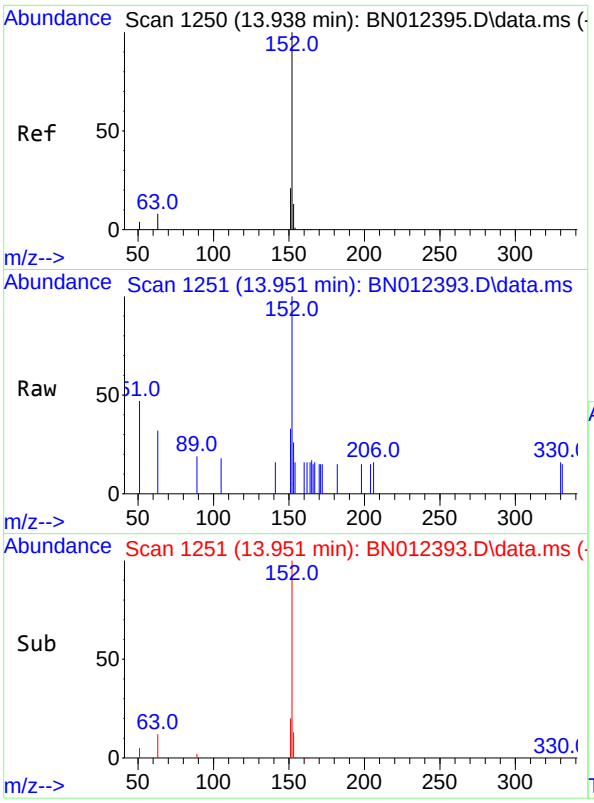
#15
2-Fluorobiphenyl
Concen: 0.08 ng
RT: 12.860 min Scan# 1165
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:172 Resp: 437

Ion	Ratio	Lower	Upper
172	100		
171	53.5	28.2	42.4#
170	41.2	20.0	30.0#



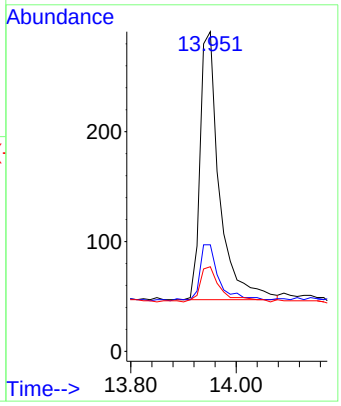
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

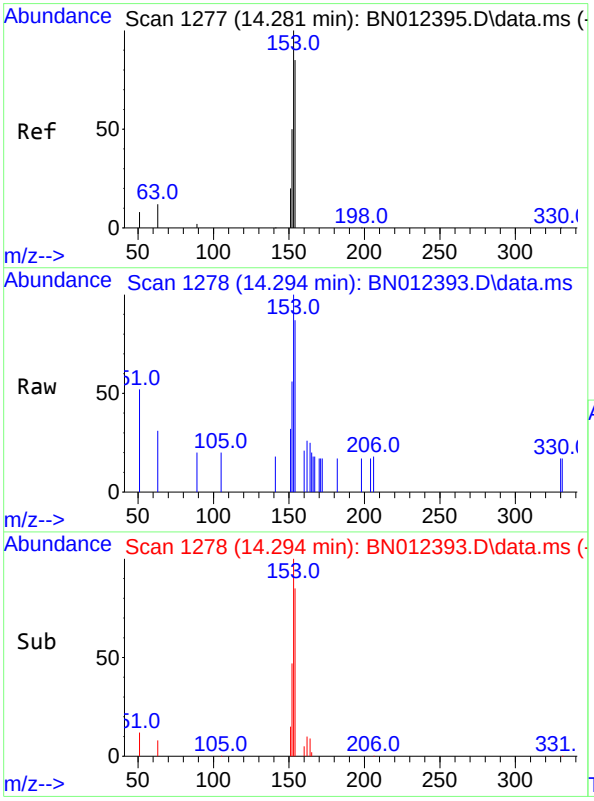


#16
Acenaphthylene
Concen: 0.10 ng
RT: 13.951 min Scan# 1251
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:152 Resp: 617

Ion	Ratio	Lower	Upper
152	100		
151	21.6	15.8	23.8
153	14.3	10.6	16.0

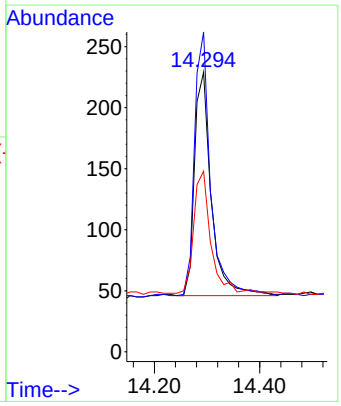




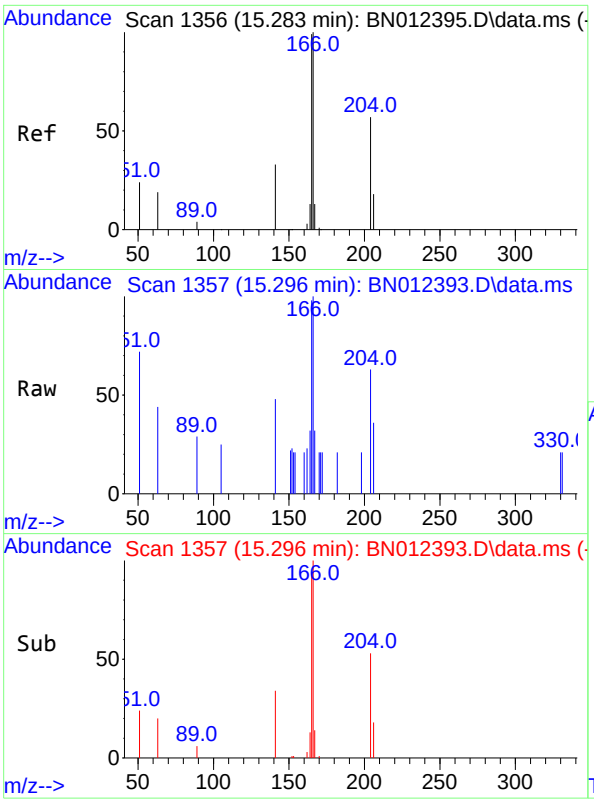
#17
Acenaphthene
Concen: 0.09 ng
RT: 14.294 min Scan# 1278
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:154 Resp: 405

Ion	Ratio	Lower	Upper
154	100		
153	113.6	83.6	125.4
152	54.6	43.9	65.9



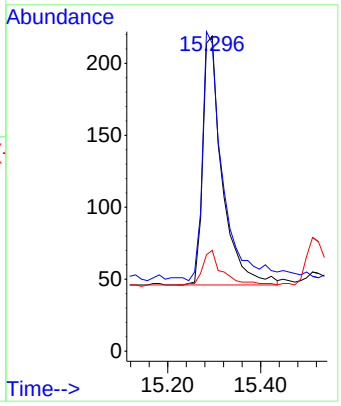
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

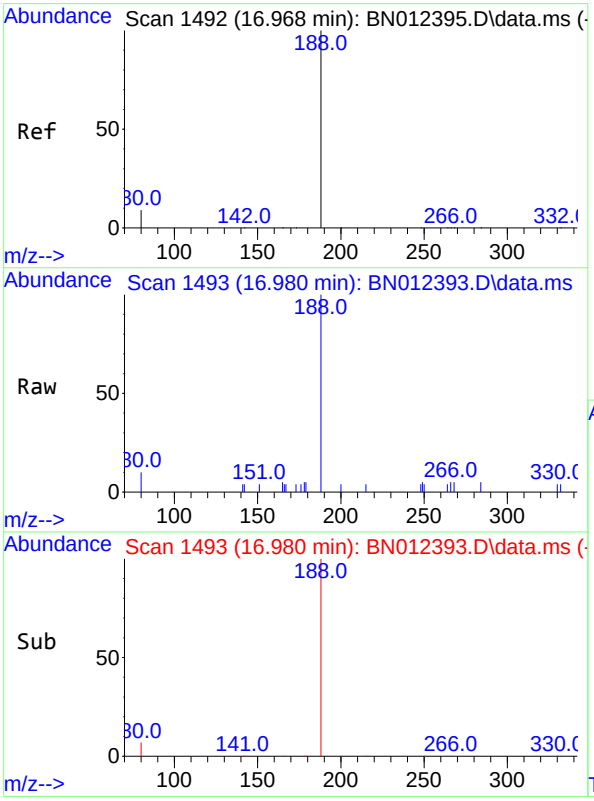


#18
Fluorene
Concen: 0.09 ng
RT: 15.296 min Scan# 1357
Delta R.T. 0.013 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:166 Resp: 499

Ion	Ratio	Lower	Upper
166	100		
165	103.8	78.6	118.0
167	15.4	10.7	16.1

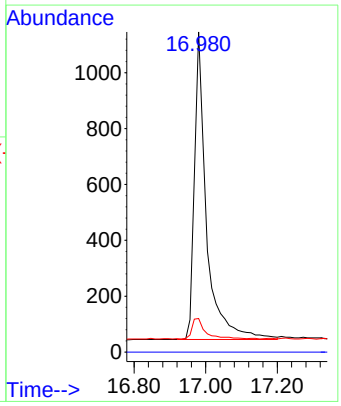


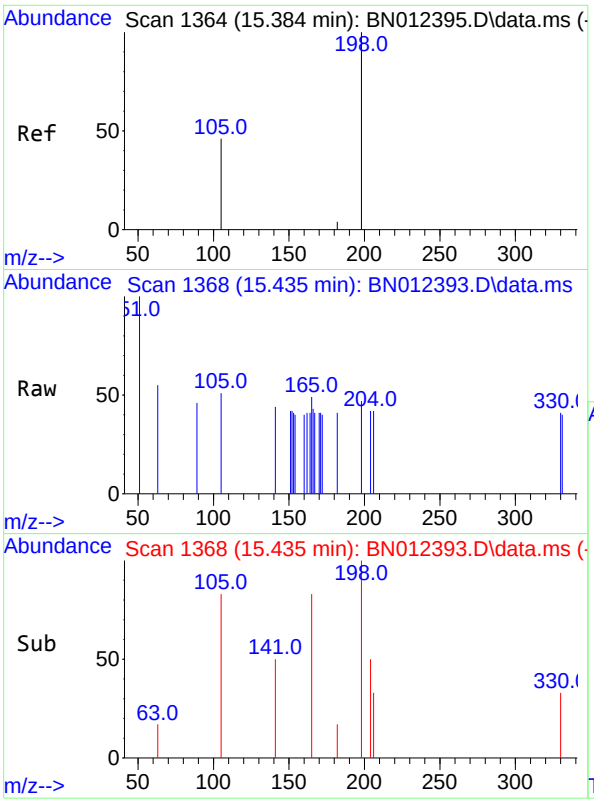


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.980 min Scan# 1493
Delta R.T. 0.012 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:188 Resp: 2572

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	5.0	7.4#



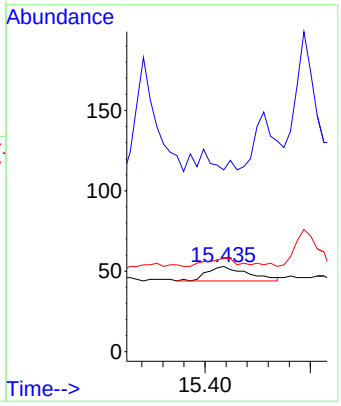


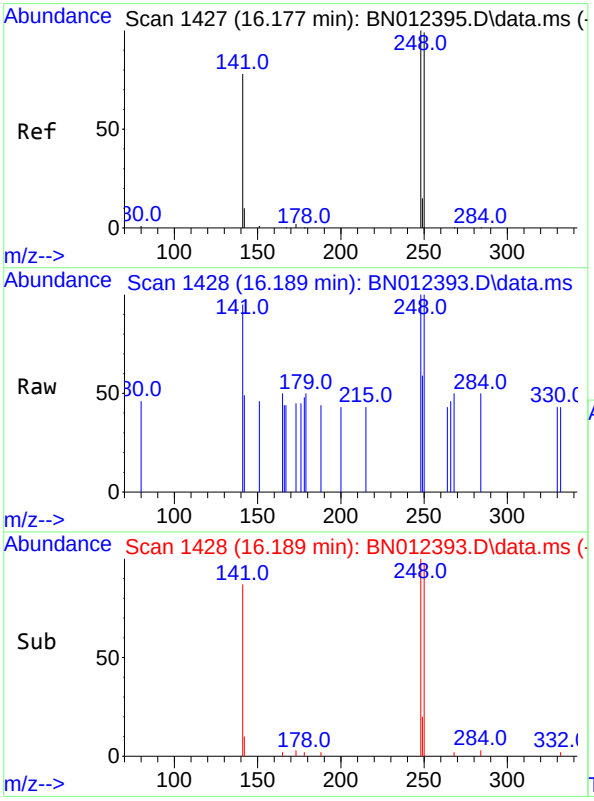
#20
4,6-Dinitro-2-methylphenol
Concen: 0.08 ng
RT: 15.435 min Scan# 1368
Delta R.T. 0.051 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:198 Resp: 48

Ion	Ratio	Lower	Upper
198	100		
51	213.2	43.5	65.3#
105	109.4	27.2	40.8#

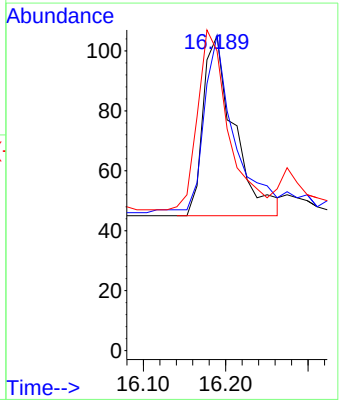




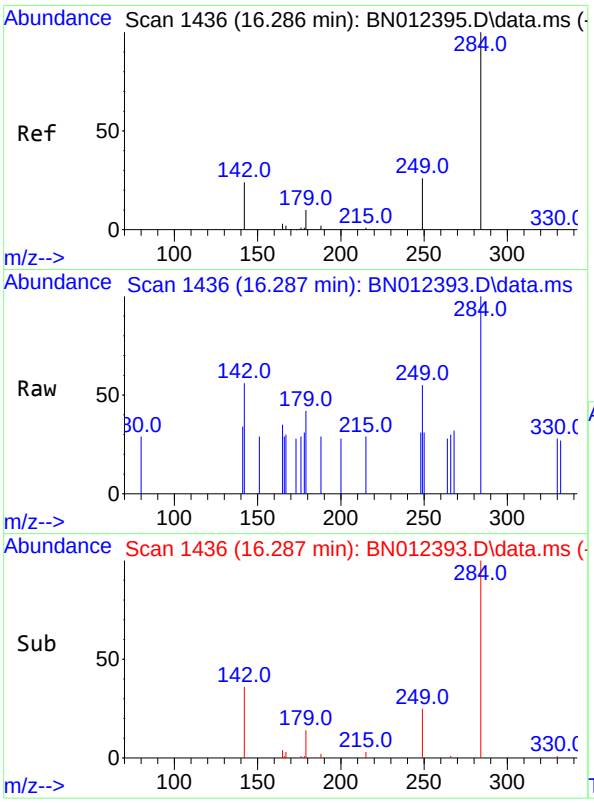
#21
4-Bromophenyl-phenylether
Concen: 0.10 ng
RT: 16.189 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:248 Resp: 157

Ion	Ratio	Lower	Upper
248	100		
250	100.0	77.3	115.9
141	95.2	57.8	86.8#



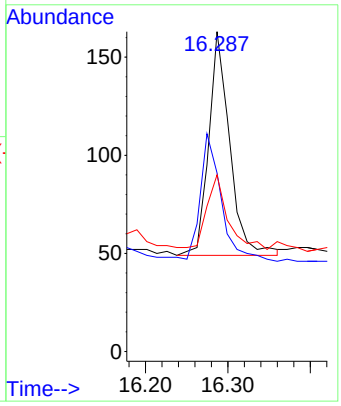
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

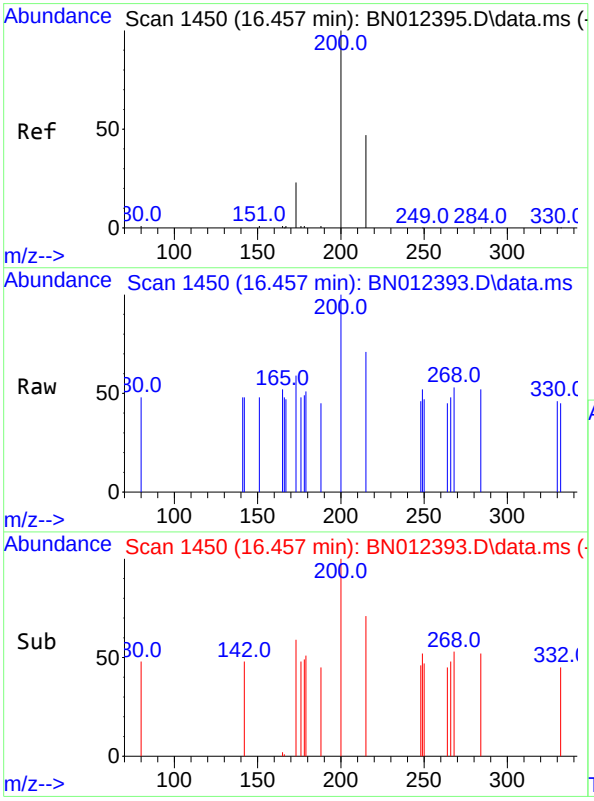


#22
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.287 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:284 Resp: 202

Ion	Ratio	Lower	Upper
284	100		
142	57.4	32.0	48.0#
249	32.7	27.0	40.6

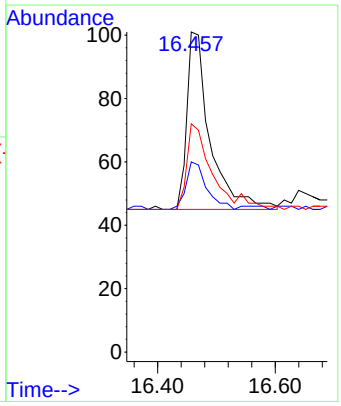




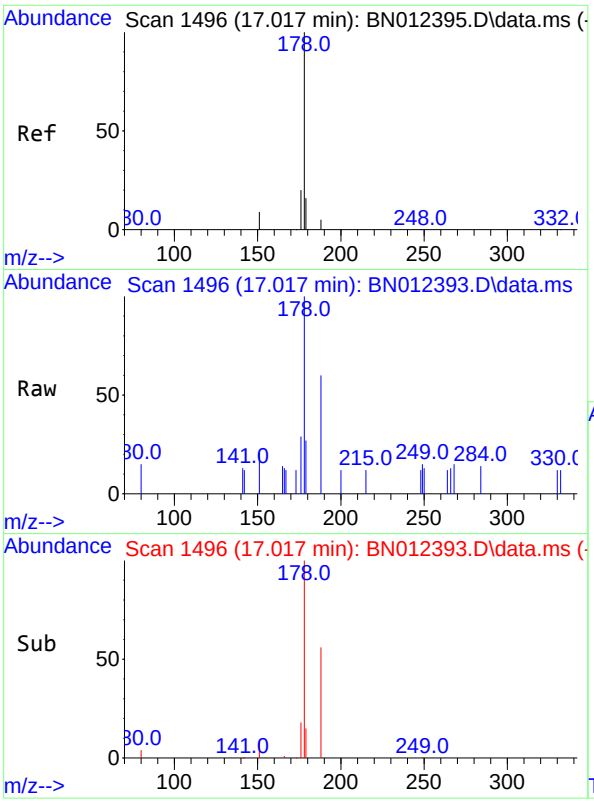
#23
Atrazine
Concen: 0.10 ng
RT: 16.457 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:200 Resp: 153

Ion	Ratio	Lower	Upper
200	100		
173	59.4	22.8	34.2#
215	71.3	38.1	57.1#



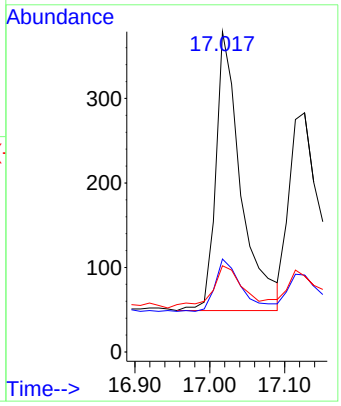
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

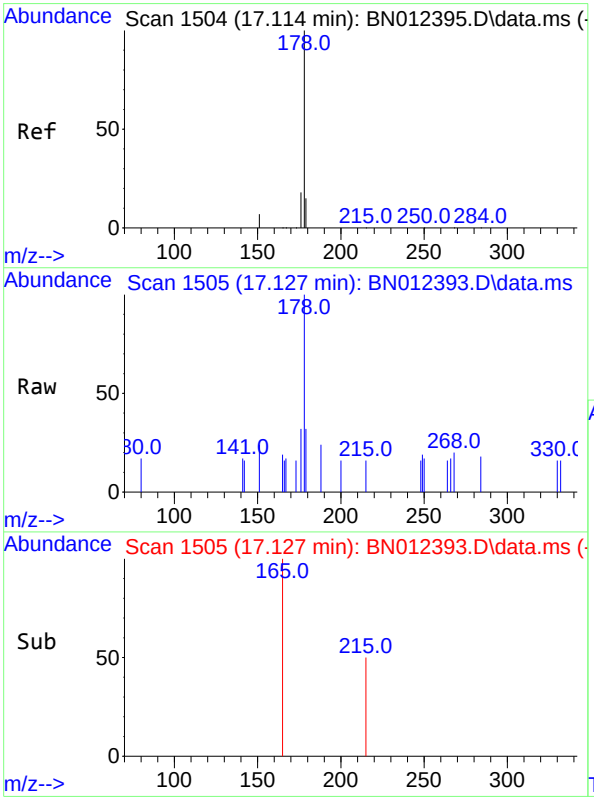


#25
Phenanthrene
Concen: 0.09 ng
RT: 17.017 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:178 Resp: 770

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.8	22.2
179	18.1	12.4	18.6

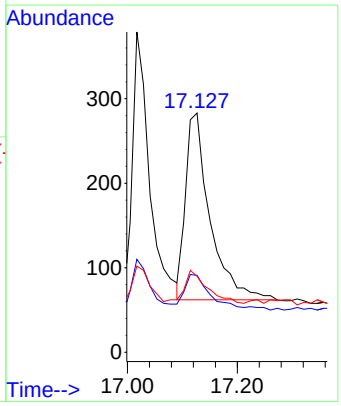




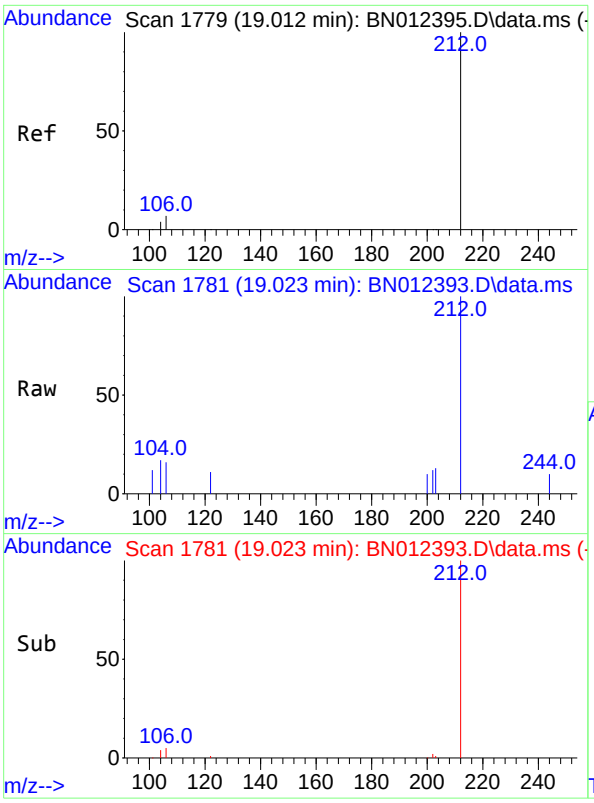
#26
Anthracene
Concen: 0.09 ng
RT: 17.127 min Scan# 1505
Delta R.T. 0.012 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:178 Resp: 684

Ion	Ratio	Lower	Upper
178	100		
176	20.8	14.8	22.2
179	15.5	12.5	18.7



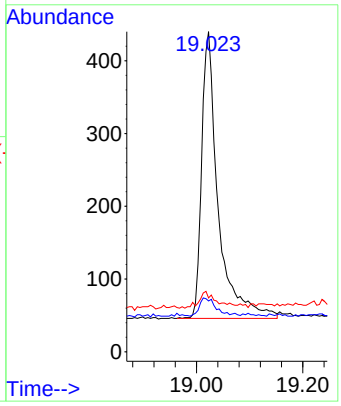
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

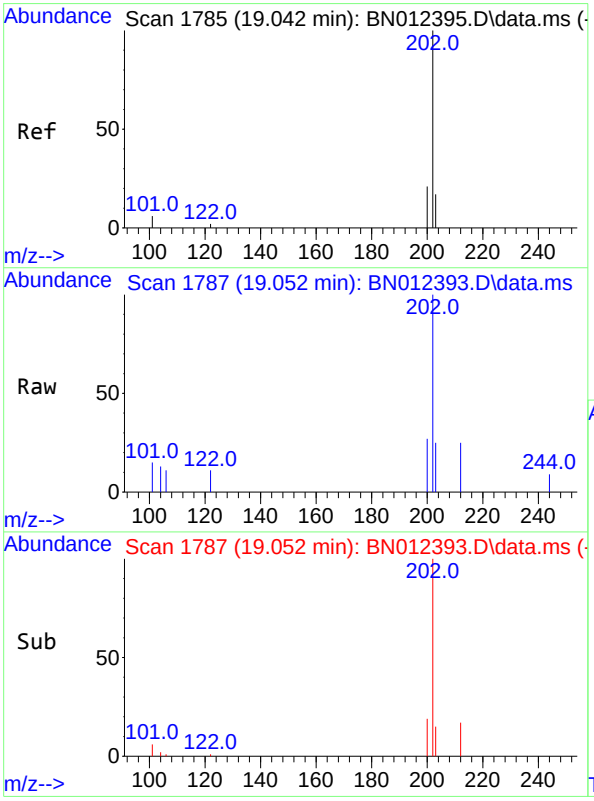


#27
Fluoranthene-d10
Concen: 0.10 ng
RT: 19.023 min Scan# 1781
Delta R.T. 0.010 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:212 Resp: 847

Ion	Ratio	Lower	Upper
212	100		
106	6.5	6.8	10.2#
104	6.1	4.1	6.1#

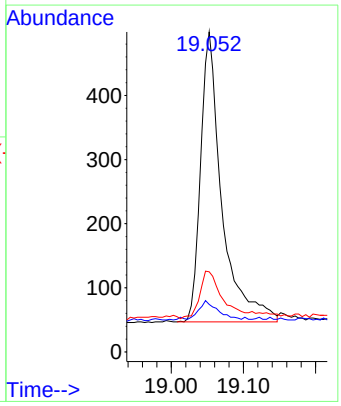




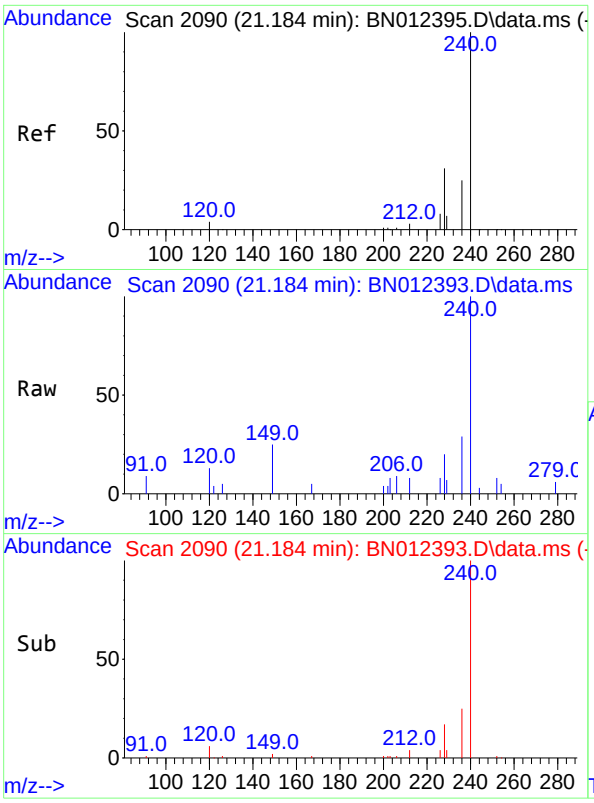
#28
Fluoranthene
Concen: 0.09 ng
RT: 19.052 min Scan# 1787
Delta R.T. 0.010 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:202 Resp: 920

Ion	Ratio	Lower	Upper
202	100		
101	5.5	5.8	8.6#
203	17.4	13.7	20.5



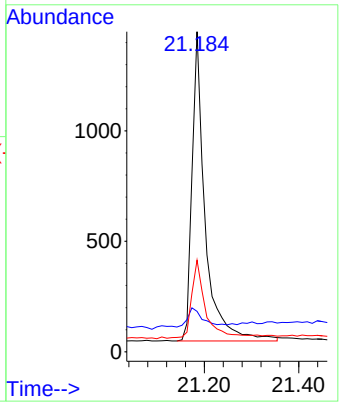
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

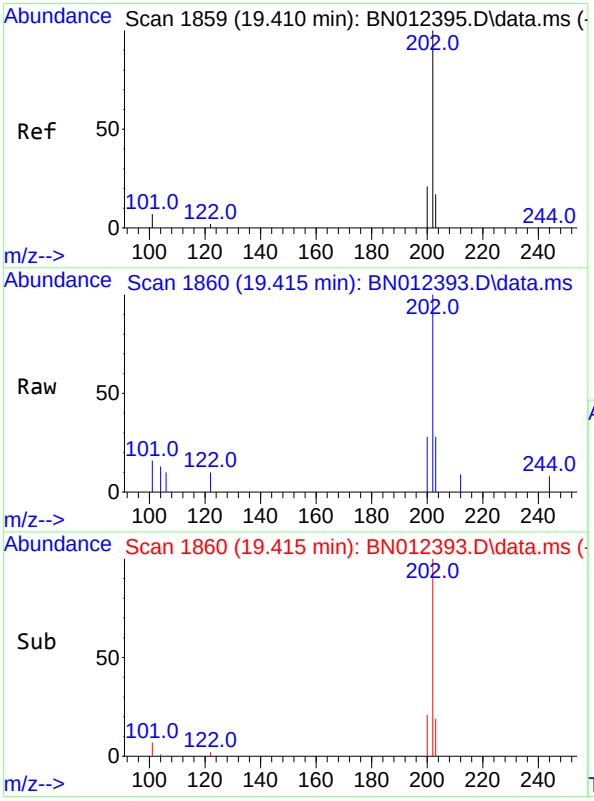


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.184 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:240 Resp: 2692

Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.3	7.9#
236	28.6	21.8	32.8

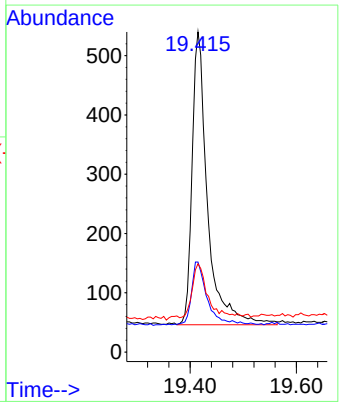




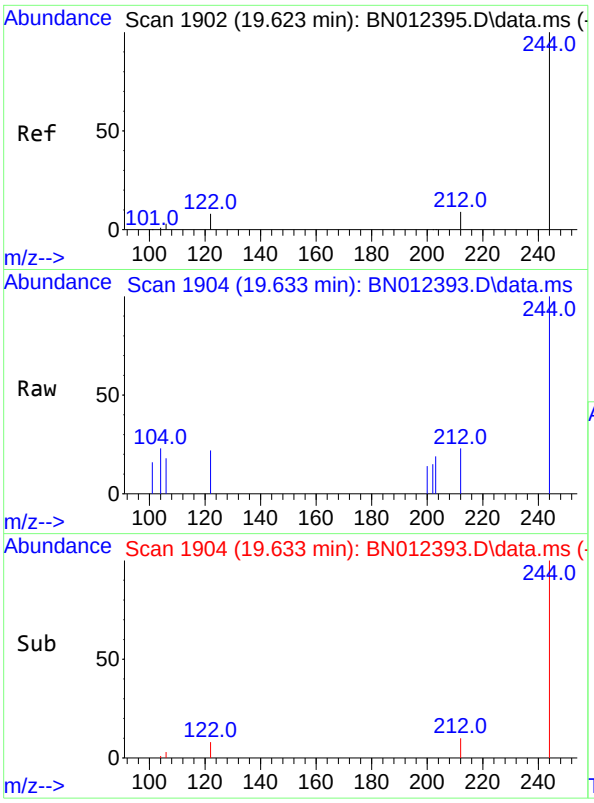
#30
Pyrene
Concen: 0.10 ng
RT: 19.415 min Scan# 1860
Delta R.T. 0.005 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:202 Resp: 995

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	17.9	13.8	20.8



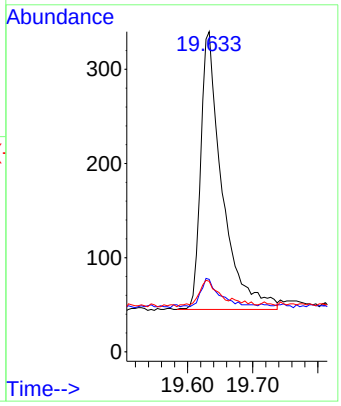
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

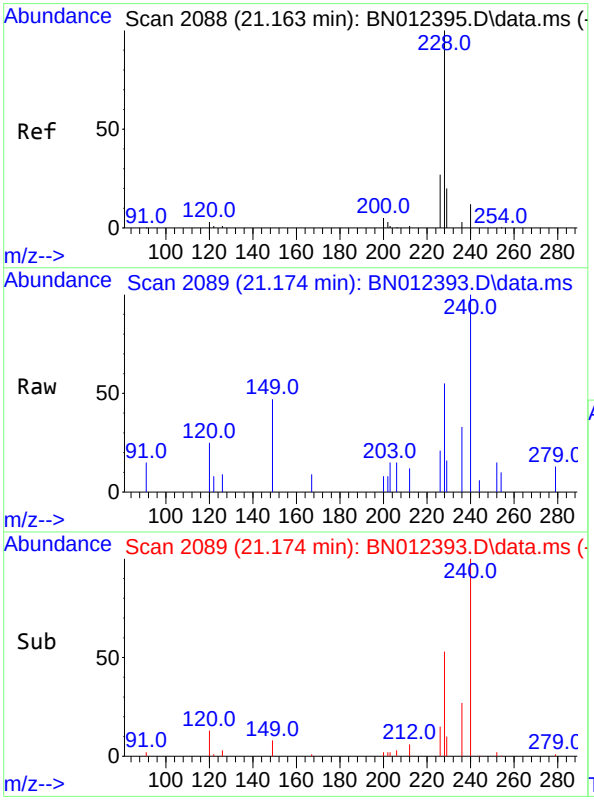


#31
Terphenyl-d14
Concen: 0.09 ng
RT: 19.633 min Scan# 1904
Delta R.T. 0.010 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:244 Resp: 671

Ion	Ratio	Lower	Upper
244	100		
212	22.6	7.3	10.9#
122	22.1	7.3	10.9#

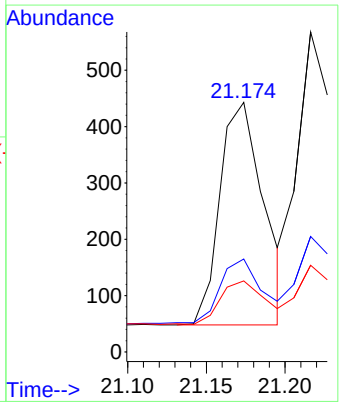




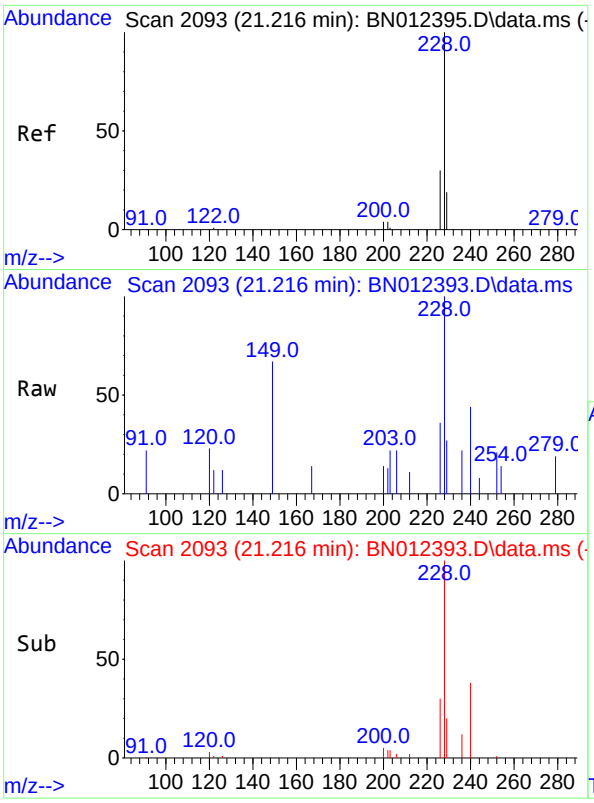
#32
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.174 min Scan# 2089
Delta R.T. 0.011 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:228 Resp: 766

Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.3	33.5#
229	28.4	15.7	23.5#



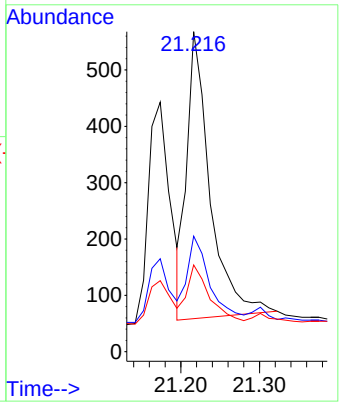
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

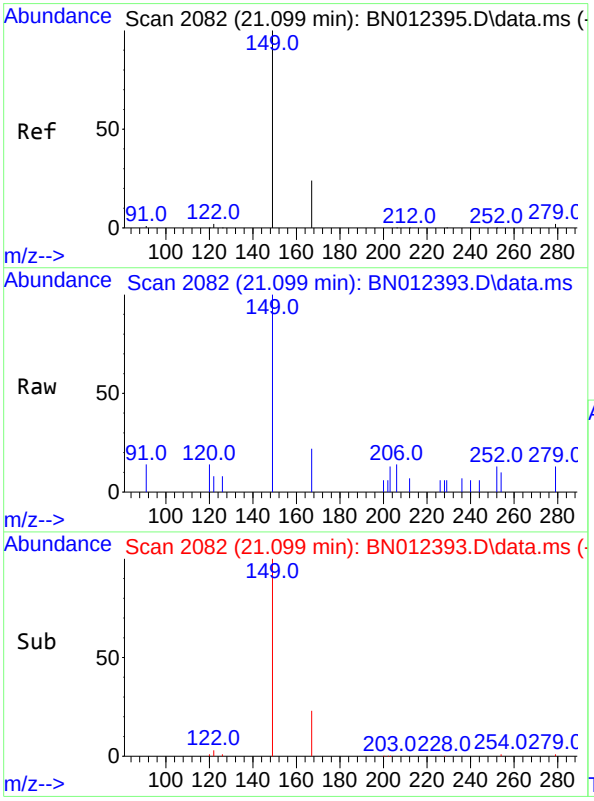


#33
Chrysene
Concen: 0.10 ng
RT: 21.216 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:228 Resp: 1041

Ion	Ratio	Lower	Upper
228	100		
226	36.1	24.2	36.2
229	27.1	15.7	23.5#

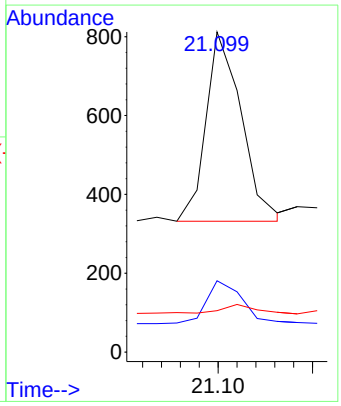




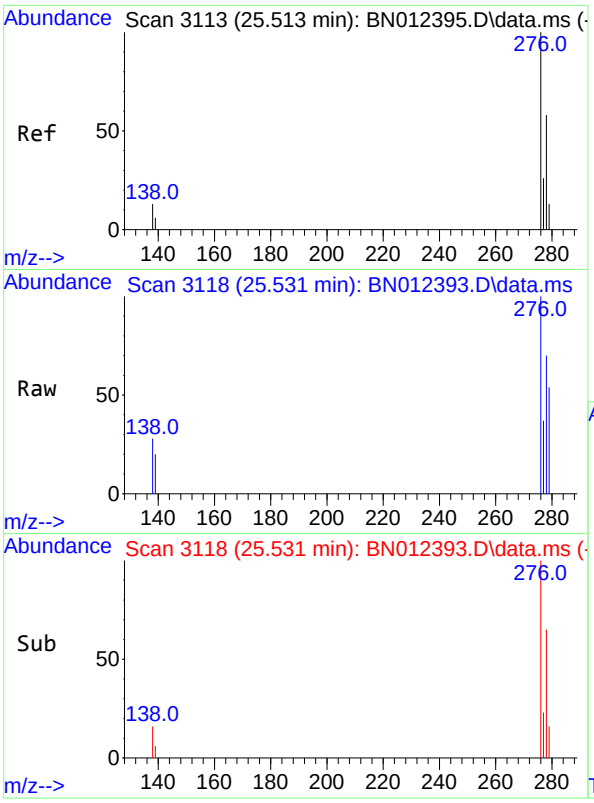
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.13 ng
RT: 21.099 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:149 Resp: 624

Ion	Ratio	Lower	Upper
149	100		
167	22.9	23.2	34.8#
279	4.0	3.9	5.9



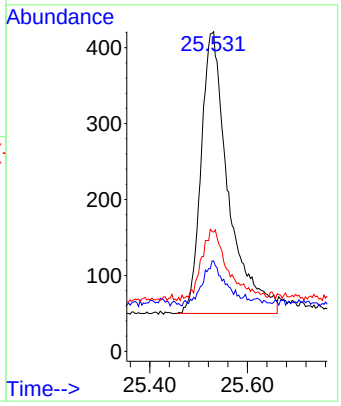
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

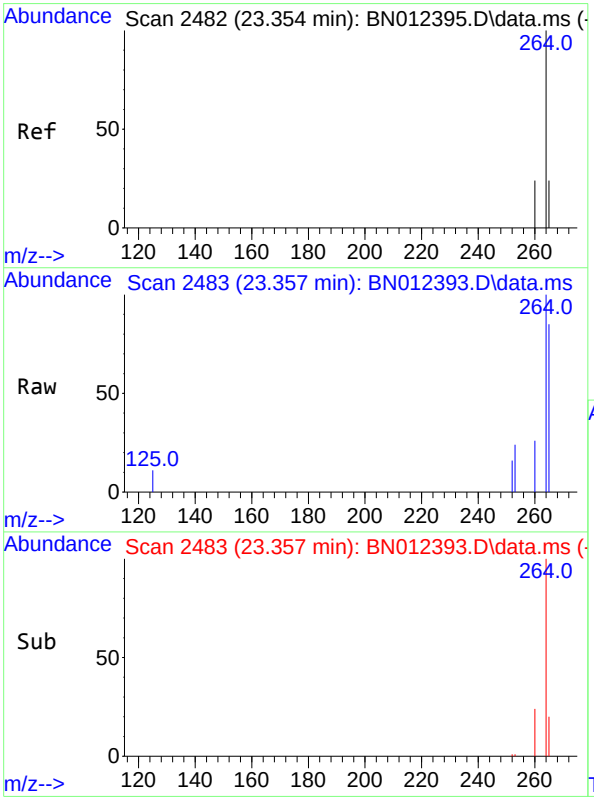


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.11 ng
RT: 25.531 min Scan# 3118
Delta R.T. 0.017 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:276 Resp: 1435

Ion	Ratio	Lower	Upper
276	100		
138	11.7	13.3	19.9#
277	25.5	20.2	30.4

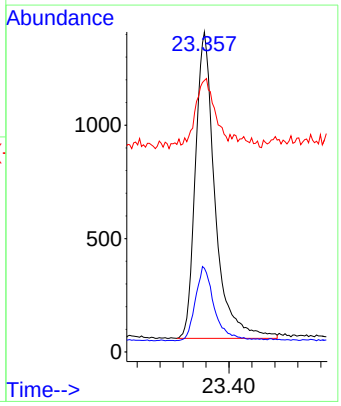


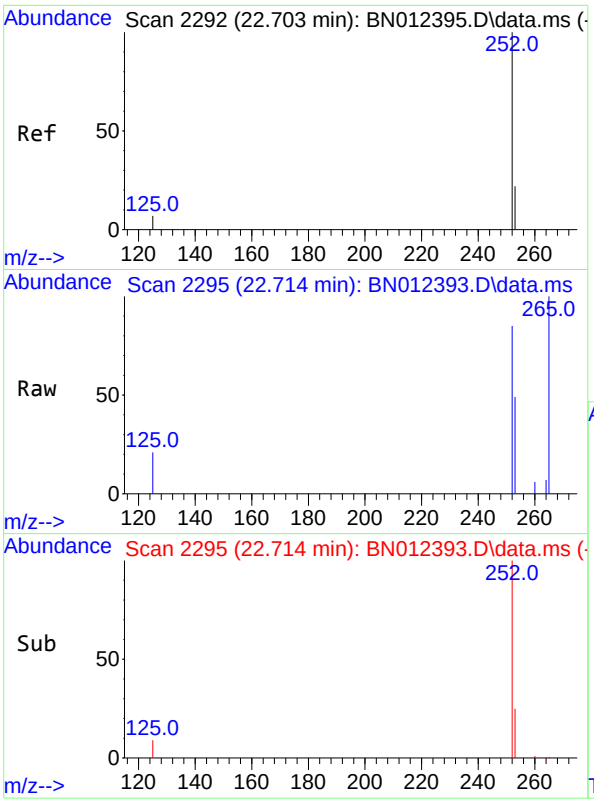


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.357 min Scan# 2483
Delta R.T. 0.004 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:264 Resp: 3204

Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.8	29.6
265	84.8	51.4	77.0#

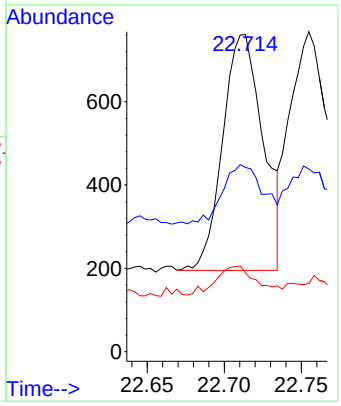




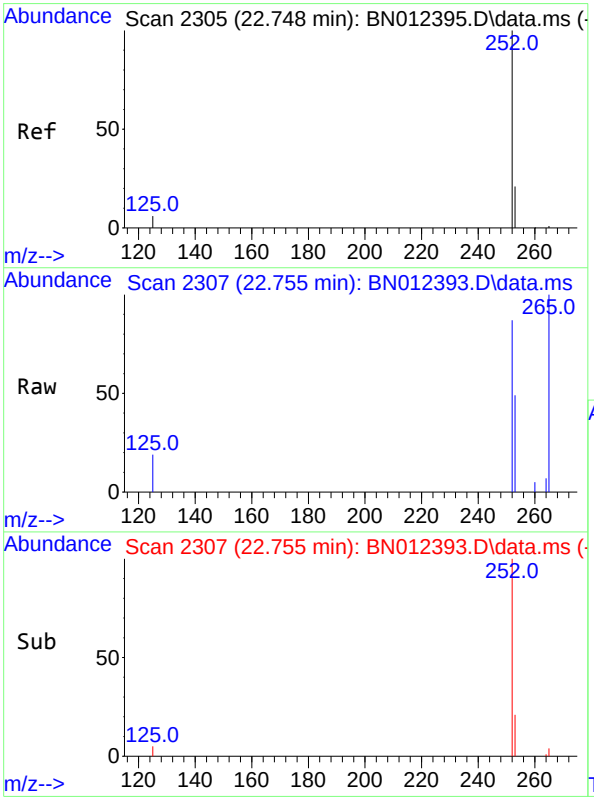
#37
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.714 min Scan# 2295
Delta R.T. 0.011 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:252 Resp: 1034

Ion	Ratio	Lower	Upper
252	100		
253	58.1	20.1	30.1#
125	24.8	7.2	10.8#



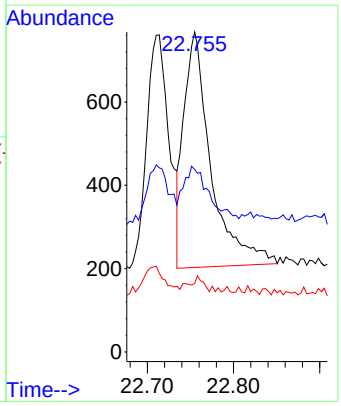
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



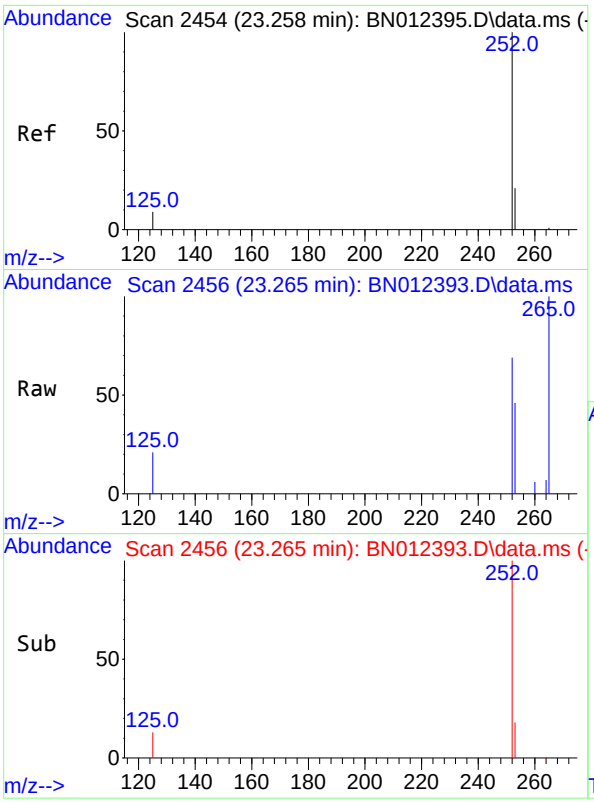
#38
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.755 min Scan# 2307
Delta R.T. 0.007 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:252 Resp: 1241

Ion	Ratio	Lower	Upper
252	100		
253	57.0	19.8	29.8#
125	21.4	7.1	10.7#



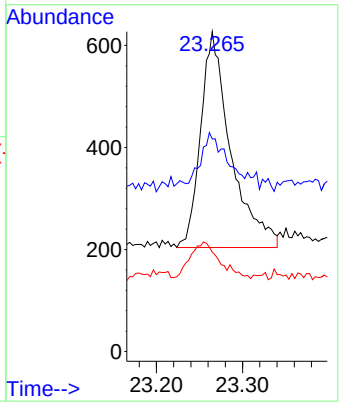
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

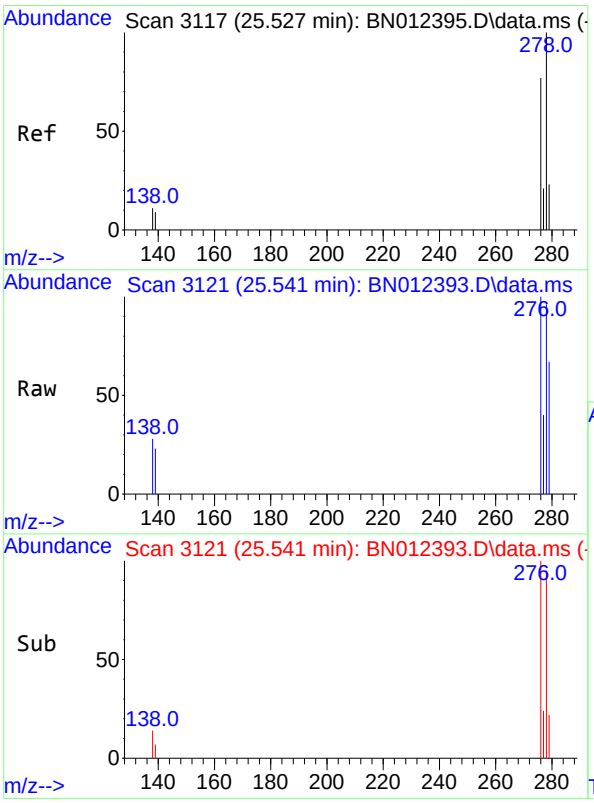


#39
Benzo(a)pyrene
Concen: 0.09 ng
RT: 23.265 min Scan# 2456
Delta R.T. 0.007 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:252 Resp: 1027

Ion	Ratio	Lower	Upper
252	100		
253	66.5	21.3	31.9#
125	31.1	8.3	12.5#

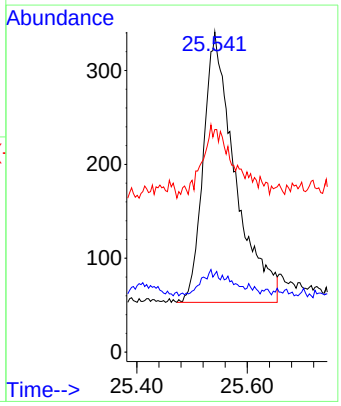


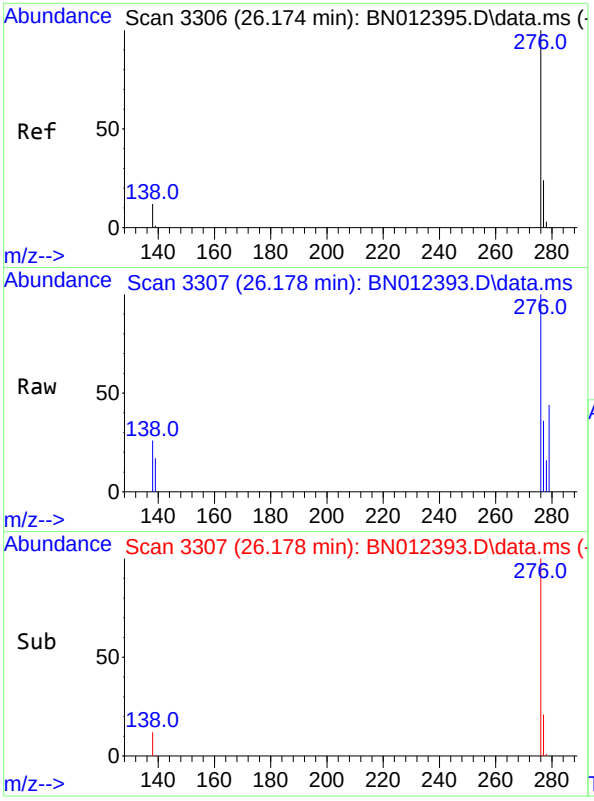


#40
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 25.541 min Scan# 3121
Delta R.T. 0.014 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:278 Resp: 1147

Ion	Ratio	Lower	Upper
278	100		
139	24.3	9.3	13.9#
279	69.5	21.6	32.4#

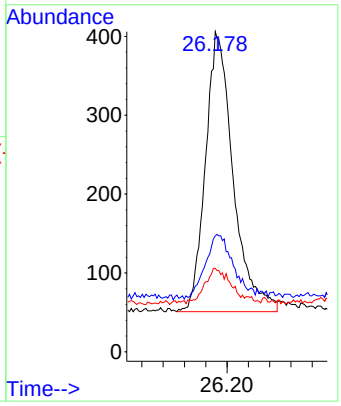




#41
Benzo(g,h,i)perylene
Concen: 0.10 ng
RT: 26.178 min Scan# 3307
Delta R.T. 0.004 min
Lab File: BN012393.D
Acq: 26 Oct 2020 10:51

Tgt Ion:276 Resp: 1280

Ion	Ratio	Lower	Upper
276	100		
277	36.2	19.8	29.8#
138	26.1	11.7	17.5#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1