Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100721\
Data File : BN016831.D
Acq On : 08 Oct 2021 06:55
Operator : CG/JU
Sample : PB139589BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139589BS

Quant Time: Oct 08 07:55:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 01:39:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	22213	0.40	ng	0.00
7) Naphthalene-d8	10.381	136	98070	0.40	ng	# 0.00
13) Acenaphthene-d10	14.243	164	50895	0.40	ng	0.00
19) Phenanthrene-d10	16.993	188	97527	0.40	ng	#-0.01
29) Chrysene-d12	21.206	240	101743	0.40	ng	#-0.01
35) Perylene-d12	23.450	264	108366	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.227	112	20562	0.37	ng	0.00
5) Phenol-d6	6.794	99	23174	0.37	ng	0.00
8) Nitrobenzene-d5	8.759	82	22750	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.976	152	55026	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	8663	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	77113	0.38	ng	-0.01
27) Fluoranthene-d10	19.043	212	98850	0.36	ng	0.00
31) Terphenyl-d14	19.654	244	87810	0.40	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.216	88	3793	0.38	ng	# 73
3) n-Nitrosodimethylamine	3.548	42	6565	0.38	ng	96
6) bis(2-Chloroethyl)ether	7.052	93	23852	0.39	ng	100
9) Naphthalene	10.432	128	100631	0.38	ng	100
10) Hexachlorobutadiene	10.723	225	19515	0.38	ng	# 100
12) 2-Methylnaphthalene	12.052	142	65419	0.38	ng	99
16) Acenaphthylene	13.964	152	80661	0.36	ng	100
17) Acenaphthene	14.307	154	56490	0.38	ng	99
18) Fluorene	15.296	166	69072	0.38	ng	99
20) 4,6-Dinitro-2-methylph...	15.385	198	2037	0.28	ng	# 69
21) 4-Bromophenyl-phenylether	16.202	248	22481	0.37	ng	# 89
22) Hexachlorobenzene	16.312	284	26322	0.38	ng	99
23) Atrazine	16.482	200	15205	0.32	ng	97
24) Pentachlorophenol	16.652	266	8185	0.35	ng	99
25) Phenanthrene	17.042	178	109600	0.38	ng	100
26) Anthracene	17.127	178	92783	0.36	ng	100
28) Fluoranthene	19.073	202	124708	0.38	ng	100
30) Pyrene	19.435	202	124786	0.40	ng	100
32) Benzo(a)anthracene	21.195	228	119438	0.38	ng	97
33) Chrysene	21.249	228	132206	0.41	ng	98
34) Bis(2-ethylhexyl)phtha...	21.142	149	48094	0.30	ng	100
36) Indeno(1,2,3-cd)pyrene	25.716	276	166777	0.41	ng	99
37) Benzo(b)fluoranthene	22.779	252	135297	0.39	ng	99
38) Benzo(k)fluoranthene	22.820	252	138285	0.41	ng	98
39) Benzo(a)pyrene	23.351	252	123644	0.39	ng	99
40) Dibenzo(a,h)anthracene	25.733	278	136653	0.41	ng	99
41) Benzo(g,h,i)perylene	26.404	276	141803	0.40	ng	99

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

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Instrument :
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Quant Time: Oct 08 07:55:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 01:39:08 2021
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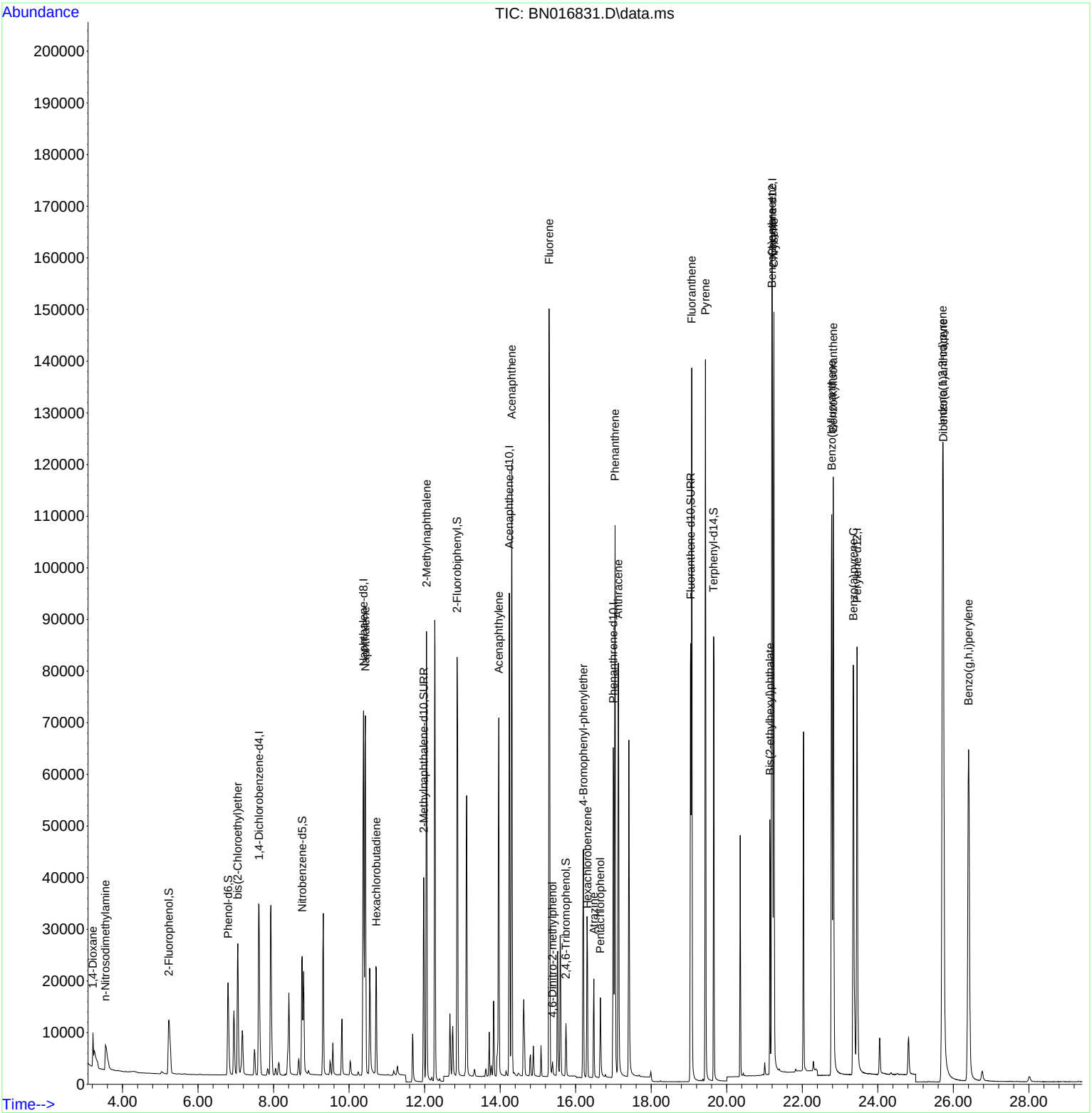
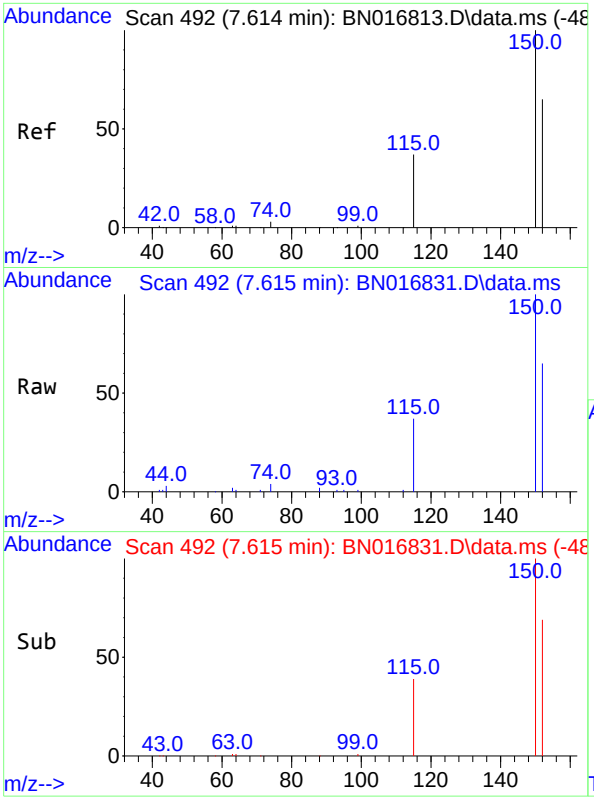
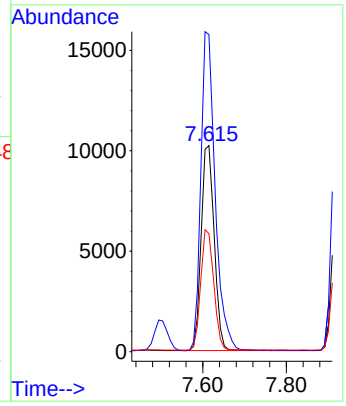




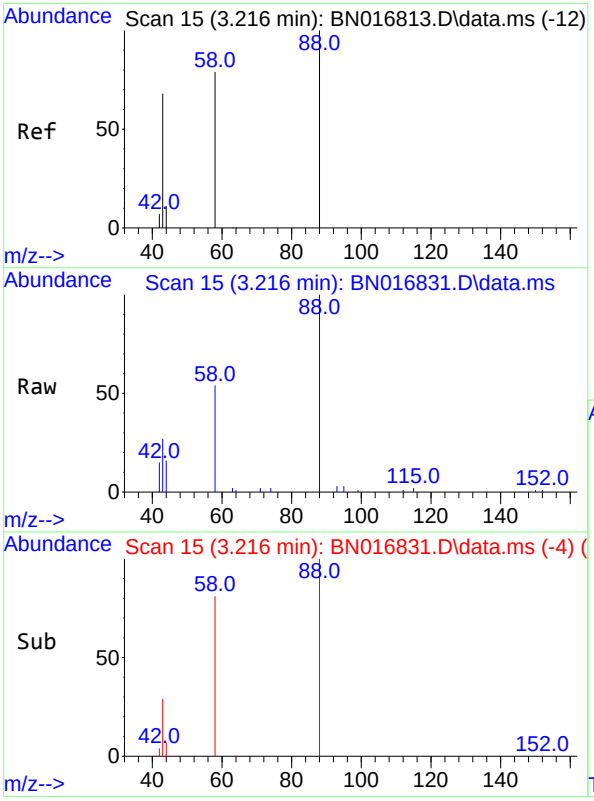
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:152 Resp: 22213

Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.3	184.9
115	57.3	47.0	70.6



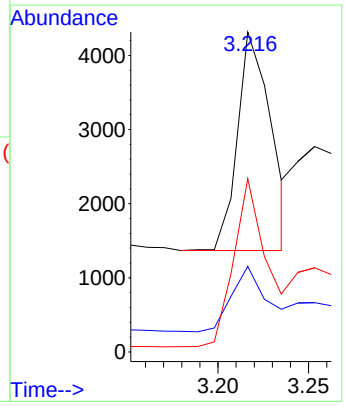
Instrument :
BNA_N
ClientSampleId :
PB139589BS



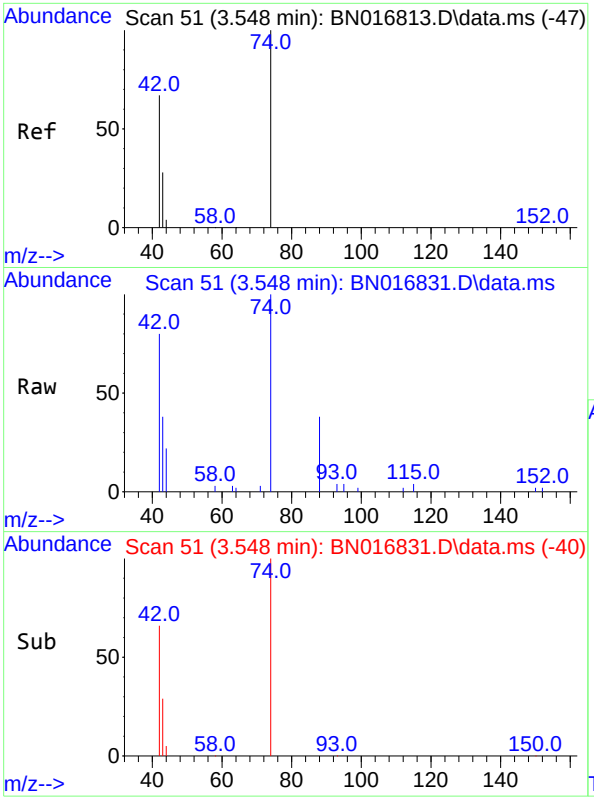
#2
1,4-Dioxane
Concen: 0.38 ng
RT: 3.216 min Scan# 15
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion: 88 Resp: 3793

Ion	Ratio	Lower	Upper
88	100		
43	31.5	61.7	92.5#
58	76.6	62.2	93.2



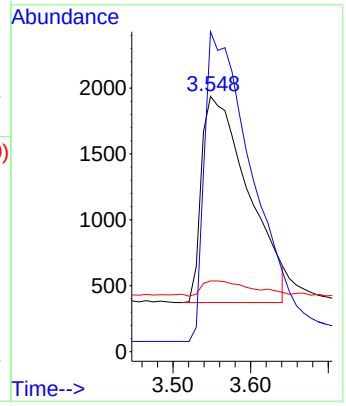
Instrument :
BNA_N
ClientSampleId :
PB139589BS

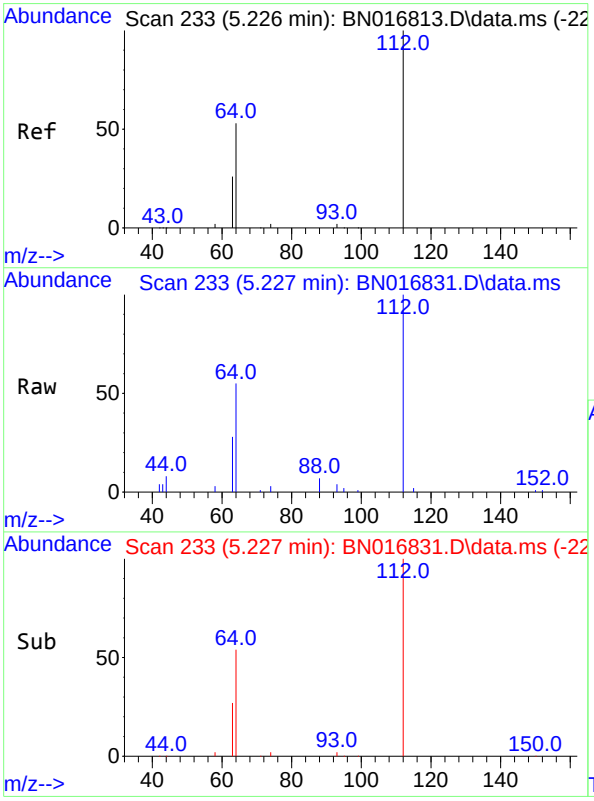


#3
n-Nitrosodimethylamine
Concen: 0.38 ng
RT: 3.548 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion: 42 Resp: 6565

Ion	Ratio	Lower	Upper
42	100		
74	150.1	124.0	186.0
44	7.8	5.6	8.4

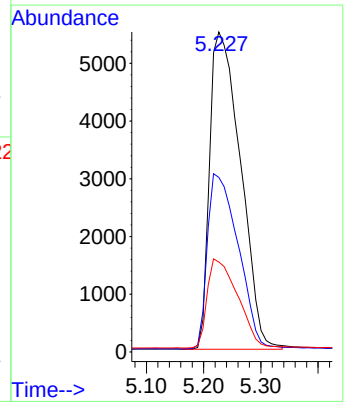




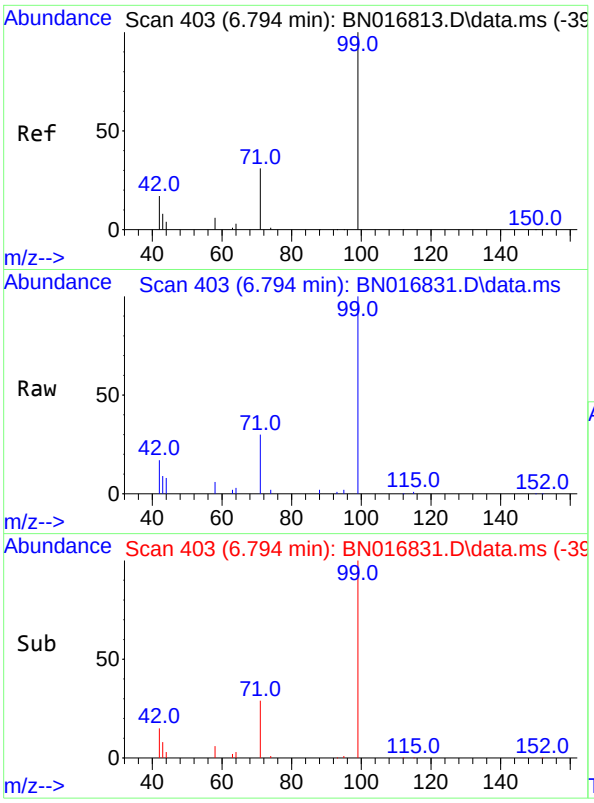
#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.227 min Scan# 233
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:112 Resp: 20562

Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.9	64.3
63	27.7	21.5	32.3



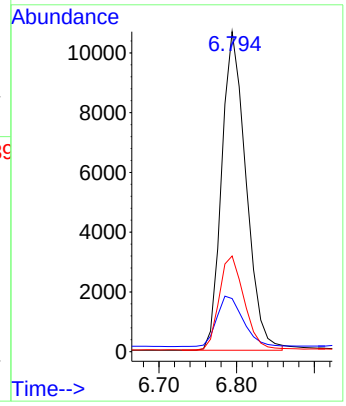
Instrument :
BNA_N
ClientSampleId :
PB139589BS

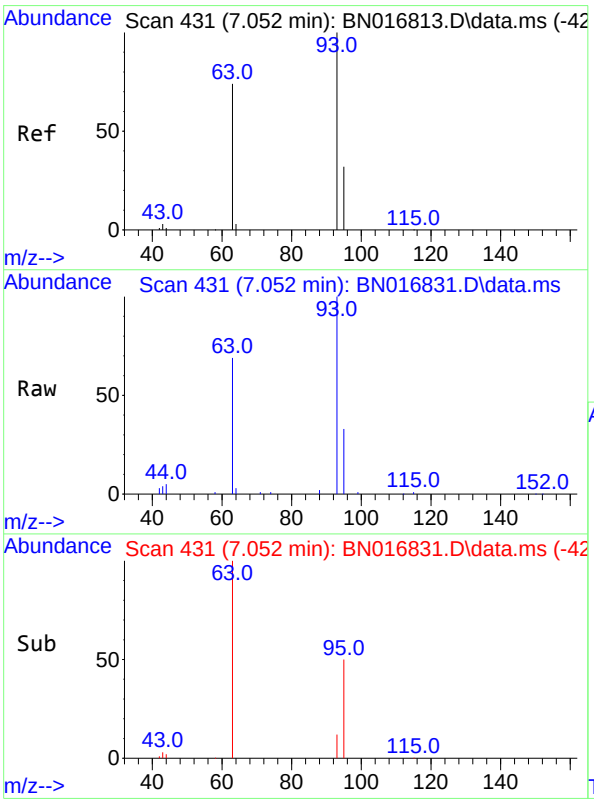


#5
Phenol-d6
Concen: 0.37 ng
RT: 6.794 min Scan# 403
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion: 99 Resp: 23174

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.4	20.2
71	30.3	24.0	36.0

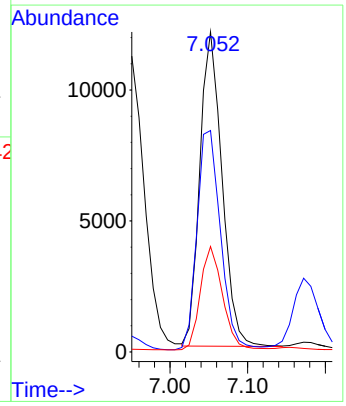




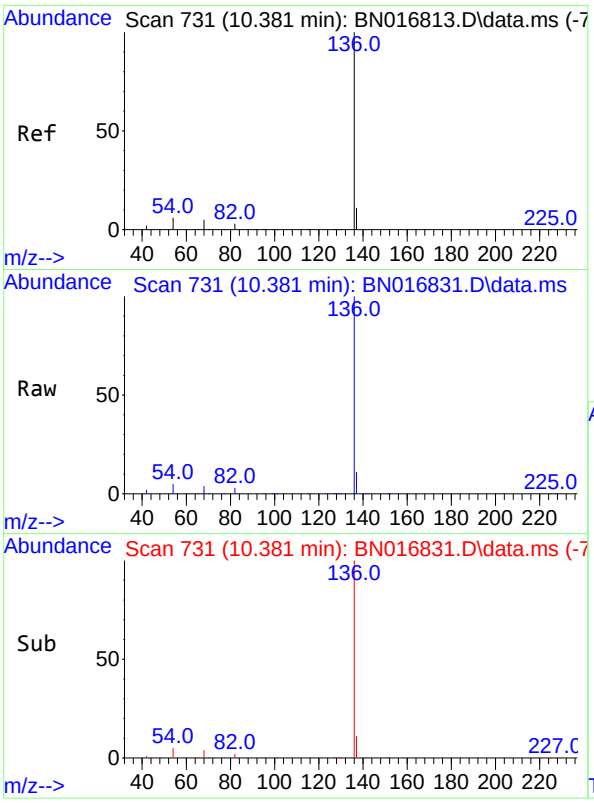
#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion: 93 Resp: 23852

Ion	Ratio	Lower	Upper
93	100		
63	74.2	59.0	88.6
95	33.0	26.4	39.6



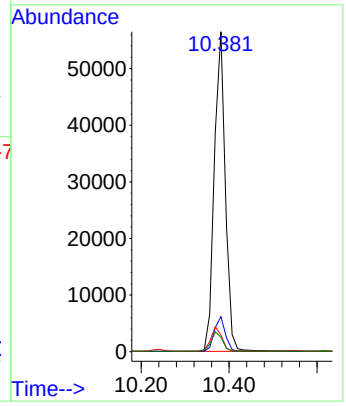
Instrument :
BNA_N
ClientSampleId :
PB139589BS

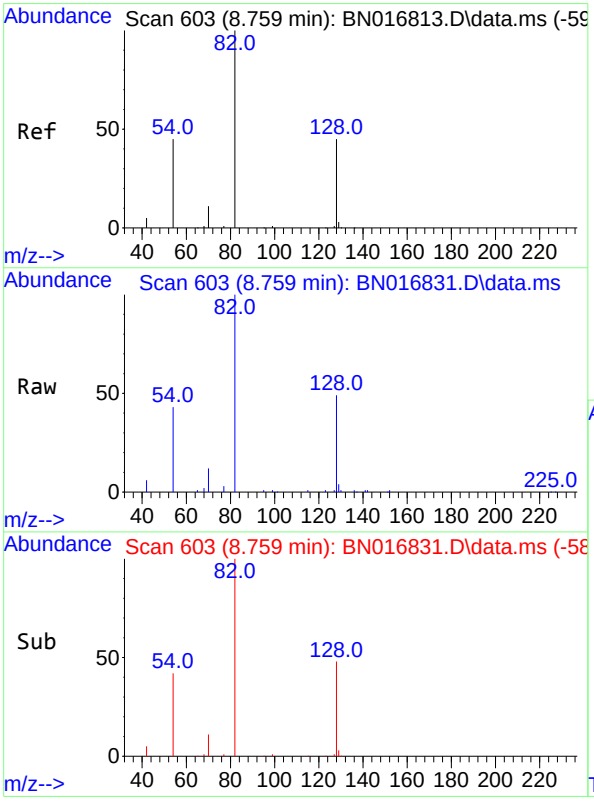


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:136 Resp: 98070

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.2	6.5	9.7#
68	4.5	5.3	7.9#

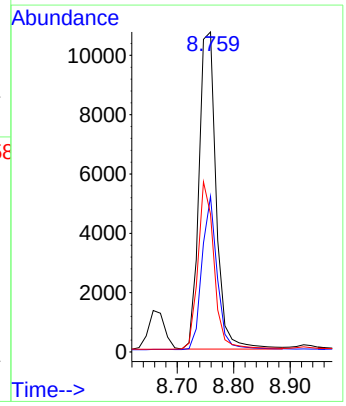




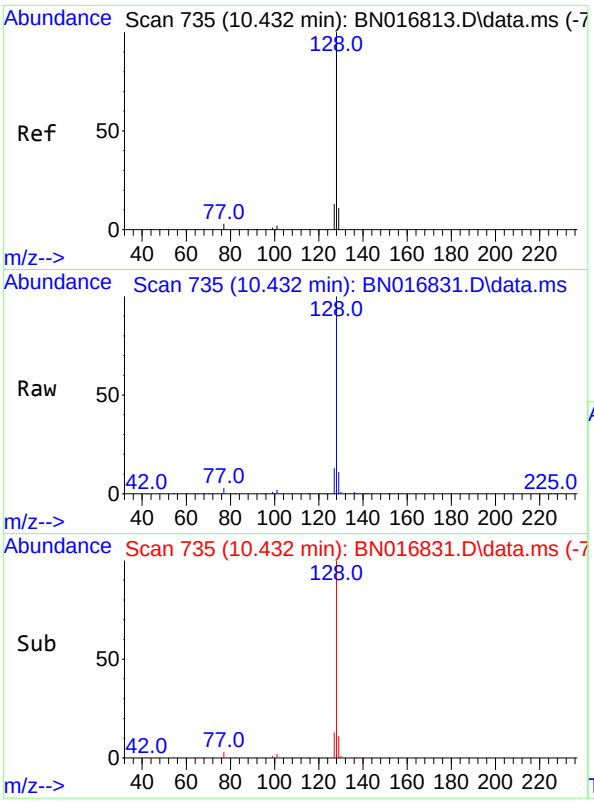
#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.759 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion: 82 Resp: 22750

Ion	Ratio	Lower	Upper
82	100		
128	48.6	33.8	50.6
54	43.0	38.5	57.7



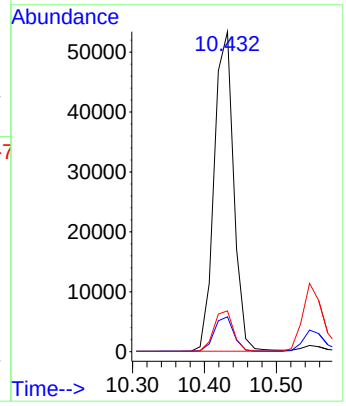
Instrument :
BNA_N
ClientSampleId :
PB139589BS

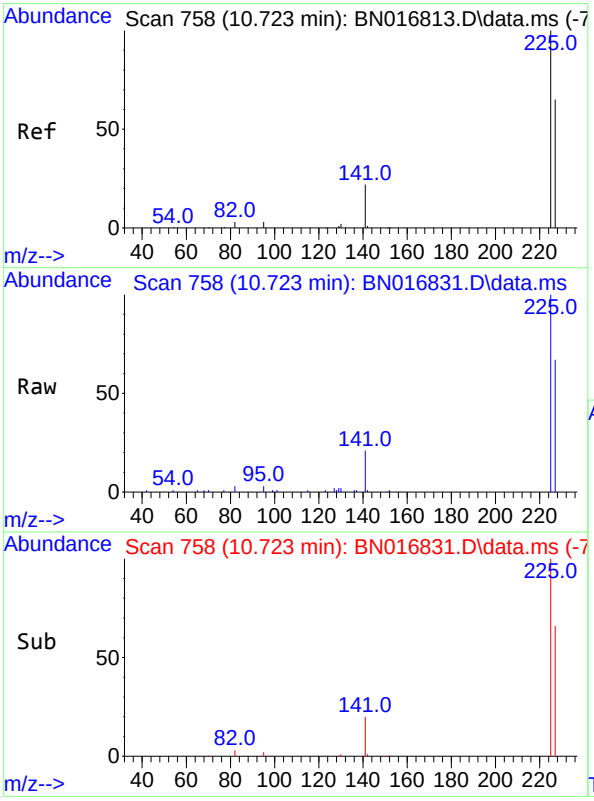


#9
Naphthalene
Concen: 0.38 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:128 Resp: 100631

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.3	15.5

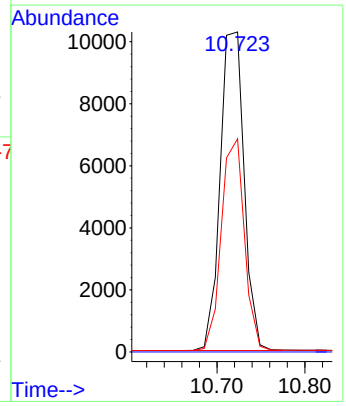


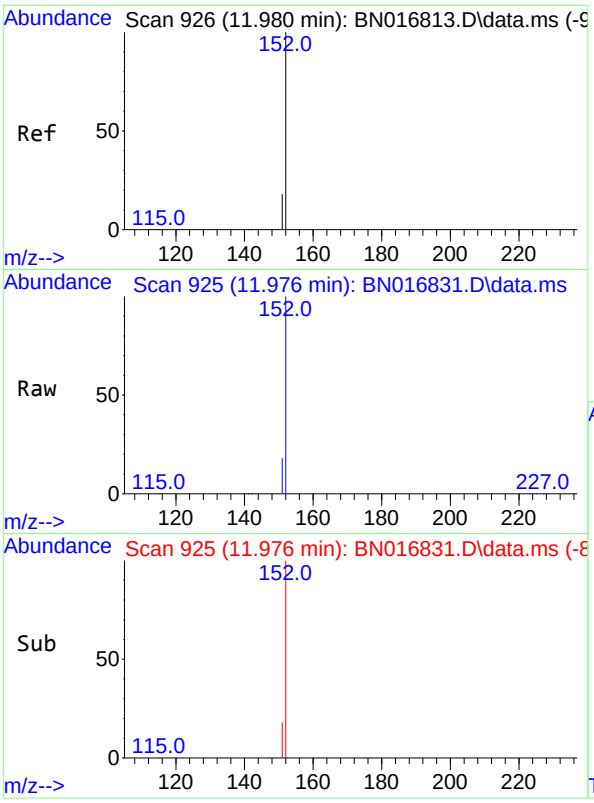


#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.723 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:225 Resp: 19515

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

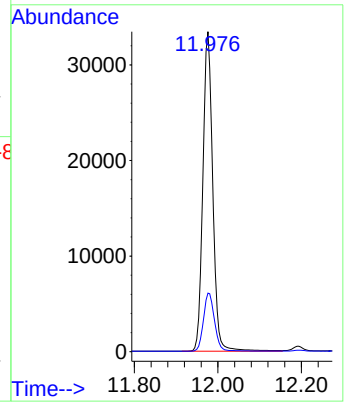




#11
2-Methylnaphthalene-d10
Concen: 0.38 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:152 Resp: 55026

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4



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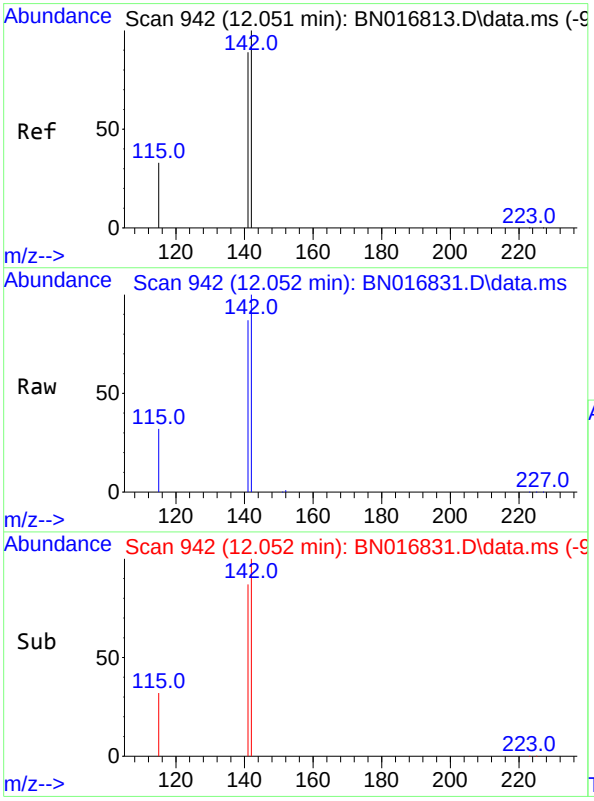
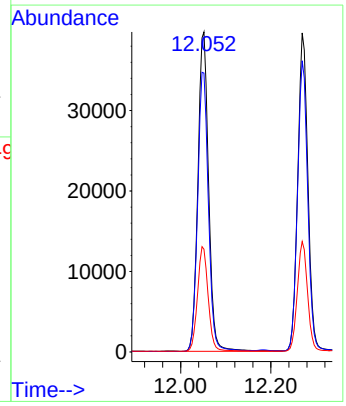


#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.052 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:142 Resp: 65419

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.6	106.0
115	32.1	26.1	39.1



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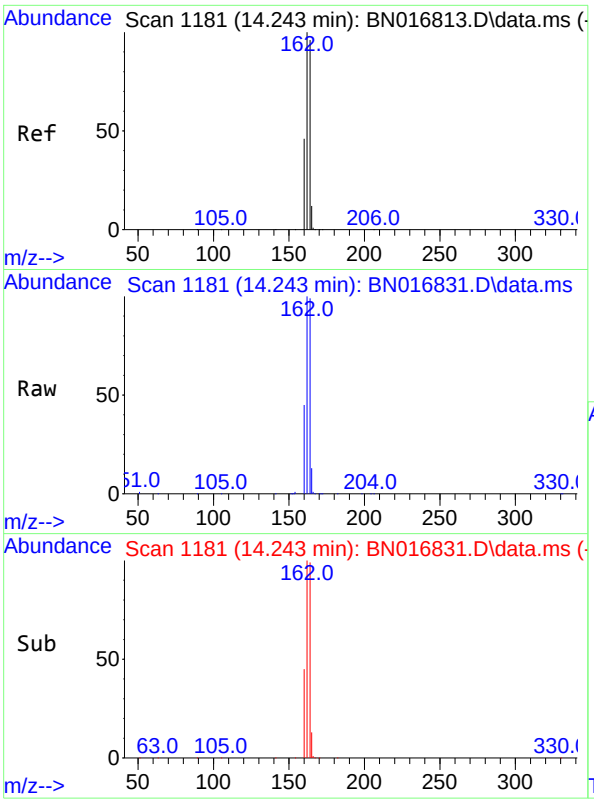
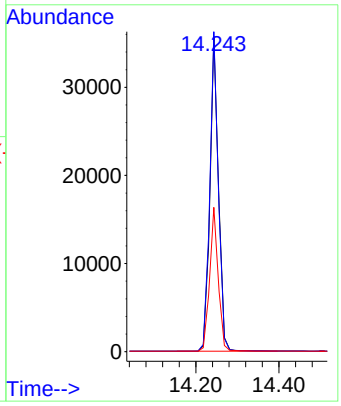
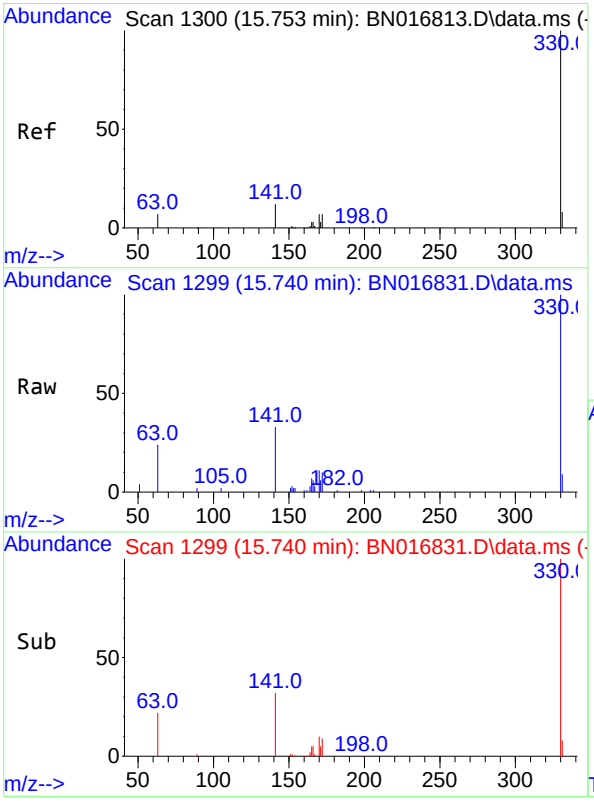


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:164 Resp: 50895

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	124.0
160	45.8	38.2	57.2

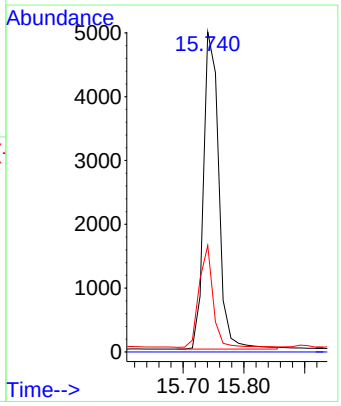




#14
2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:330 Resp: 8663

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.3	24.2	36.2



Instrument :
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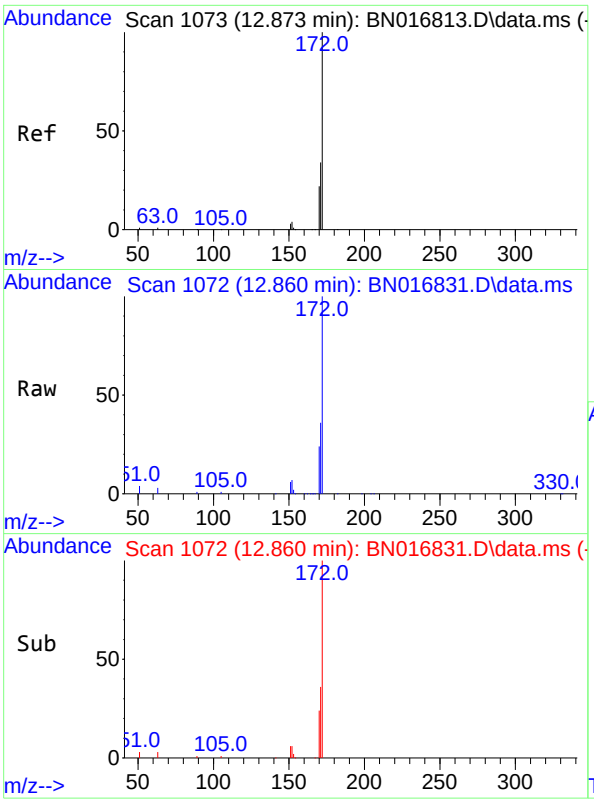
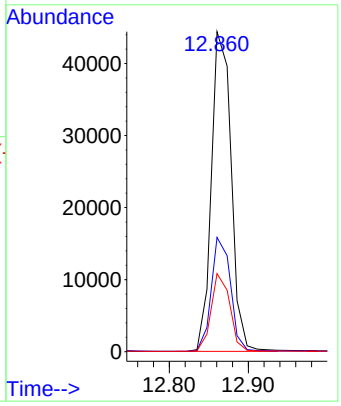
PB139589BS

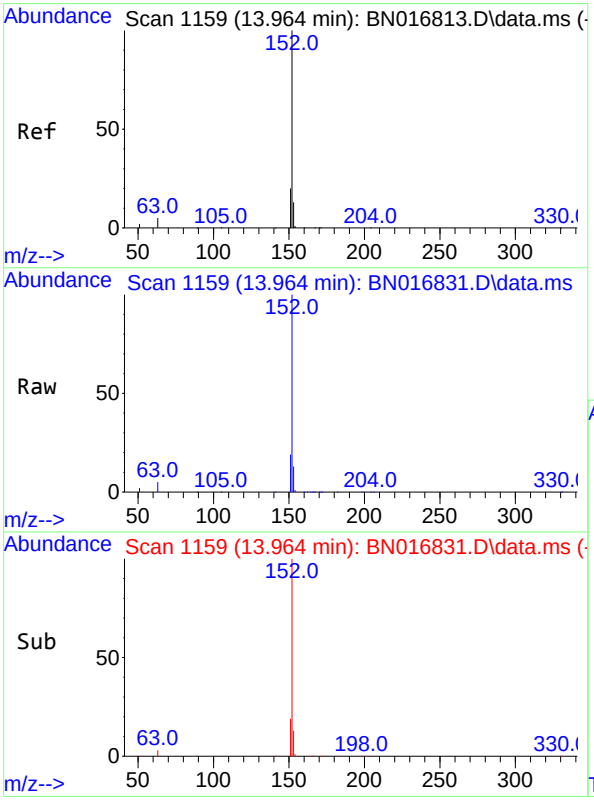


#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.013 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:172 Resp: 77113

Ion	Ratio	Lower	Upper
172	100		
171	35.7	26.9	40.3
170	24.4	17.4	26.0

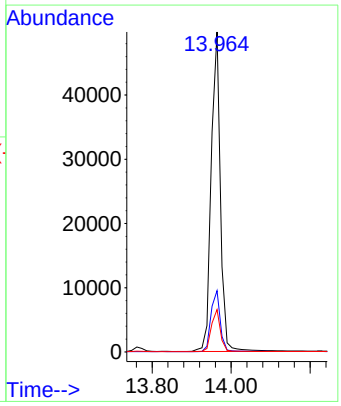




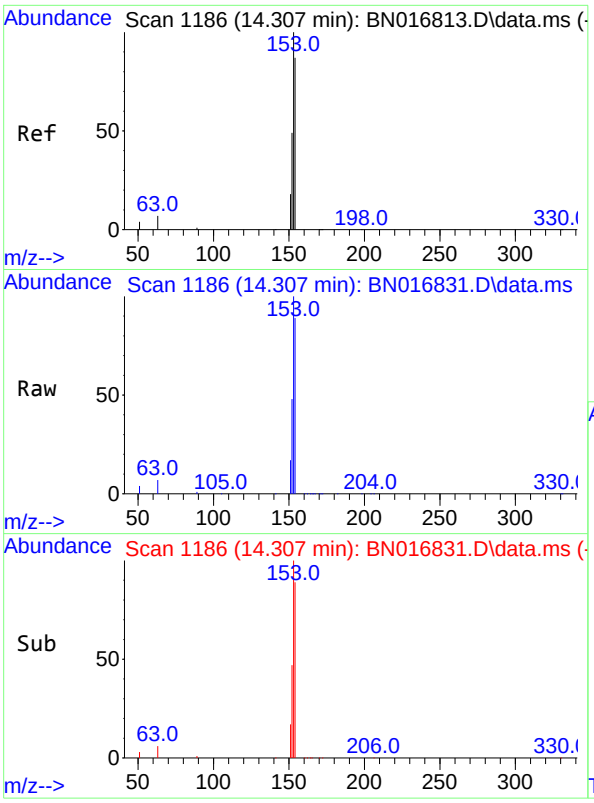
#16
Acenaphthylene
Concen: 0.36 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:152 Resp: 80661

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.1	10.4	15.6



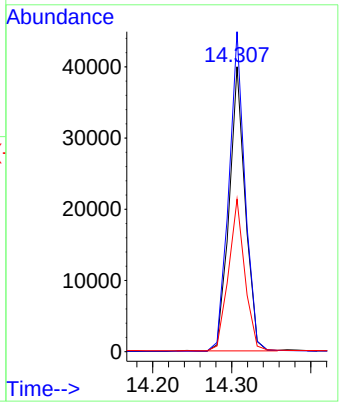
Instrument :
BNA_N
ClientSampleId :
PB139589BS

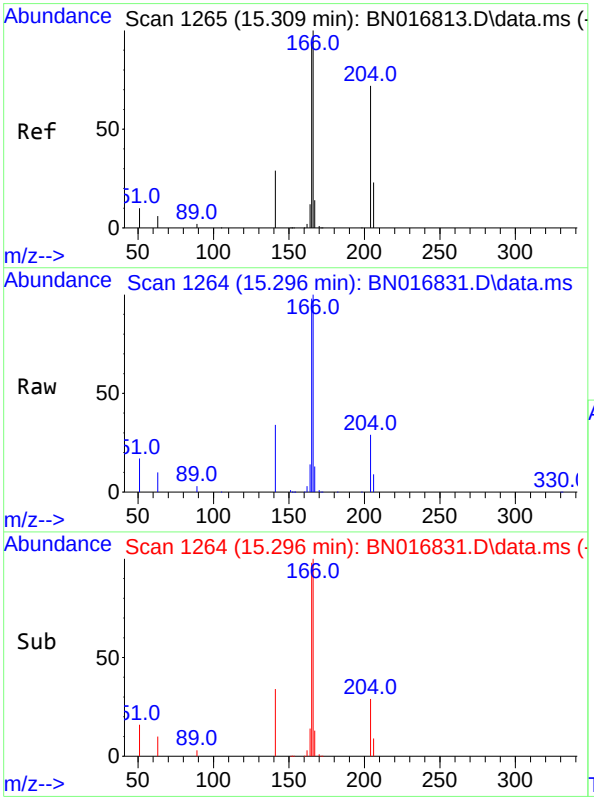


#17
Acenaphthene
Concen: 0.38 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:154 Resp: 56490

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.1	135.1
152	54.7	43.6	65.4

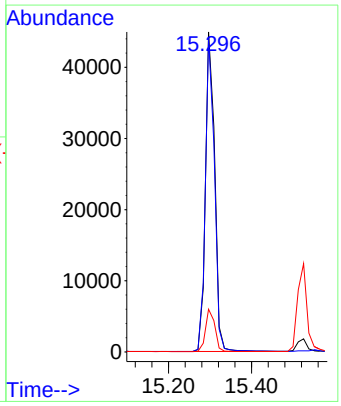




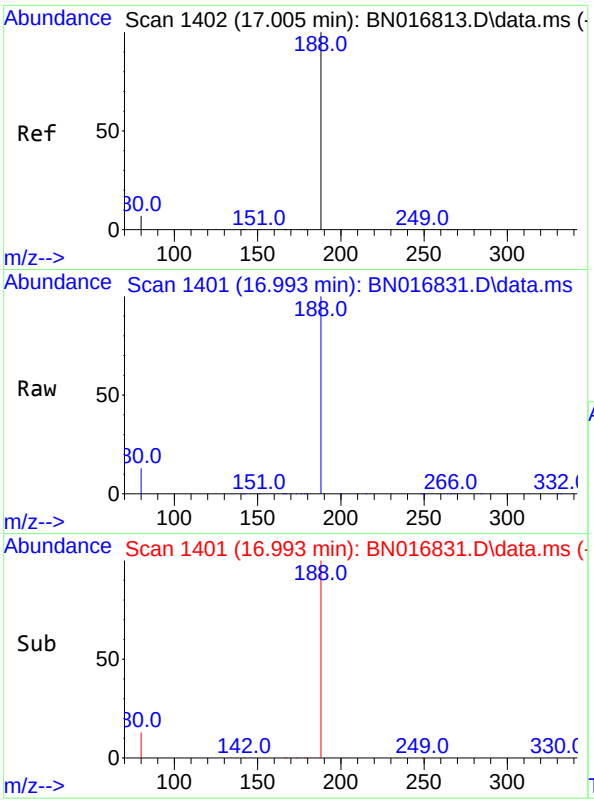
#18
Fluorene
Concen: 0.38 ng
RT: 15.296 min Scan# 1264
Delta R.T. -0.013 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:166 Resp: 69072

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.5	10.7	16.1



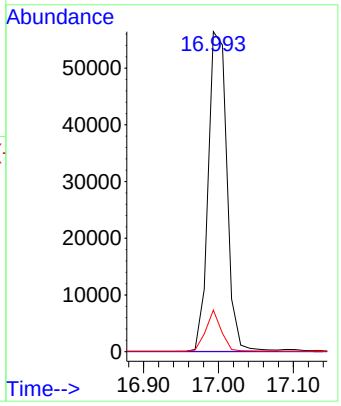
Instrument :
BNA_N
ClientSampleId :
PB139589BS

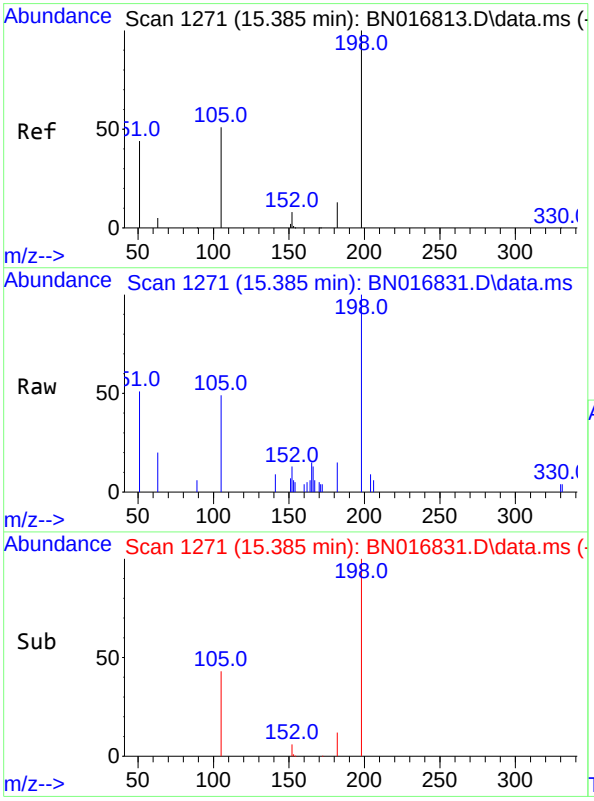


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:188 Resp: 97527

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	5.8	8.8#

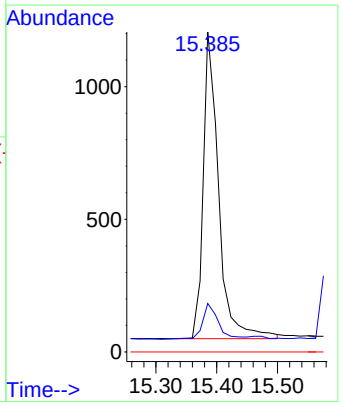




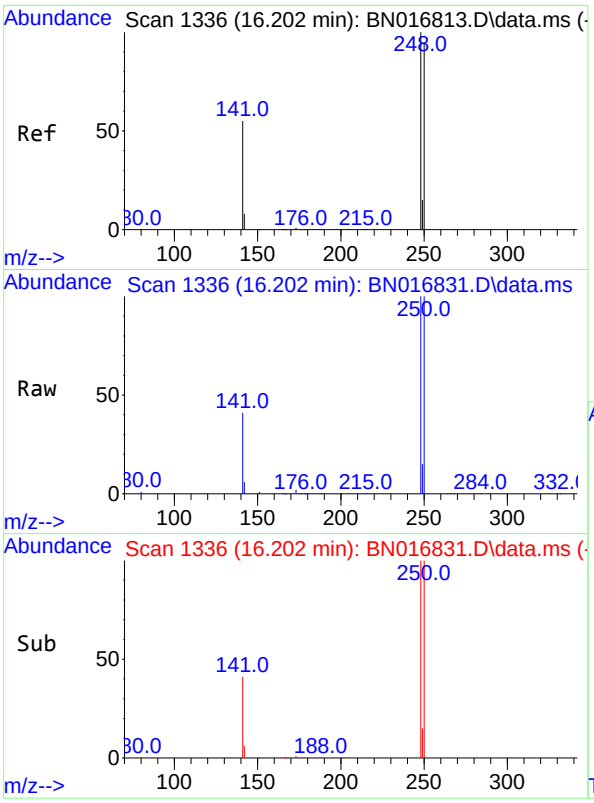
#20
4,6-Dinitro-2-methylphenol
Concen: 0.28 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:198 Resp: 2037

Ion	Ratio	Lower	Upper
198	100		
182	15.2	26.2	39.2#
77	0.0	0.0	0.0



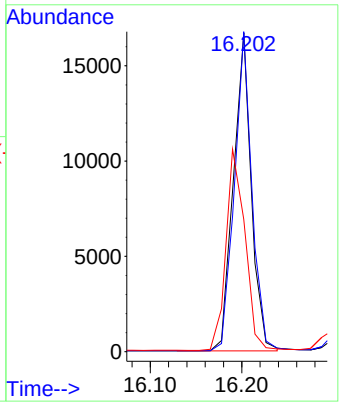
Instrument :
BNA_N
ClientSampleId :
PB139589BS

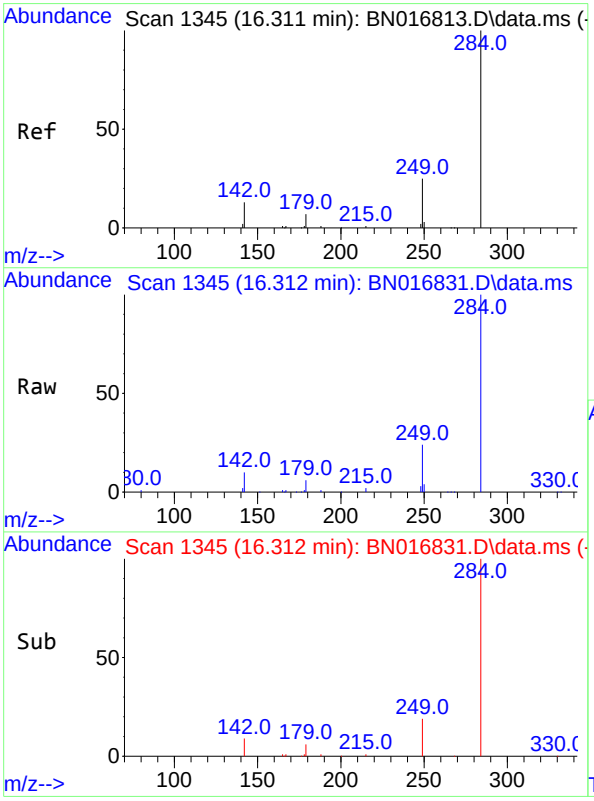


#21
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.202 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:248 Resp: 22481

Ion	Ratio	Lower	Upper
248	100		
250	100.4	76.2	114.4
141	41.5	45.6	68.4#

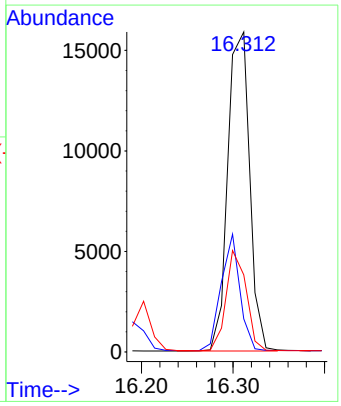




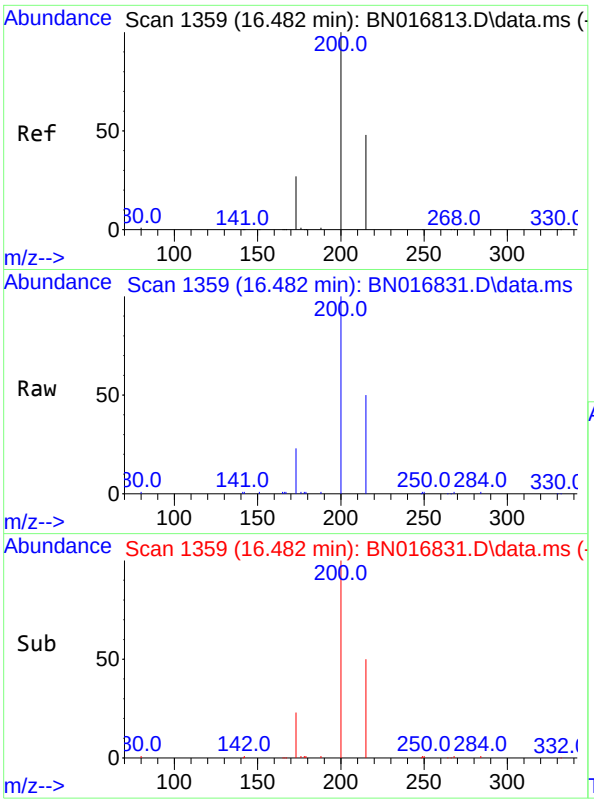
#22
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.312 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:284 Resp: 26322

Ion	Ratio	Lower	Upper
284	100		
142	31.2	25.8	38.6
249	28.9	23.3	34.9



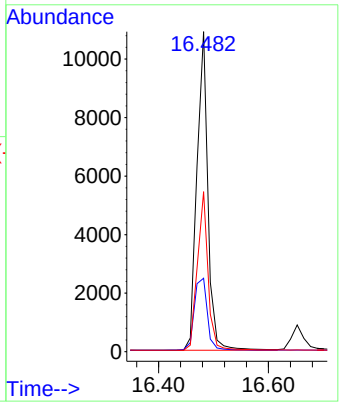
Instrument :
BNA_N
ClientSampleId :
PB139589BS

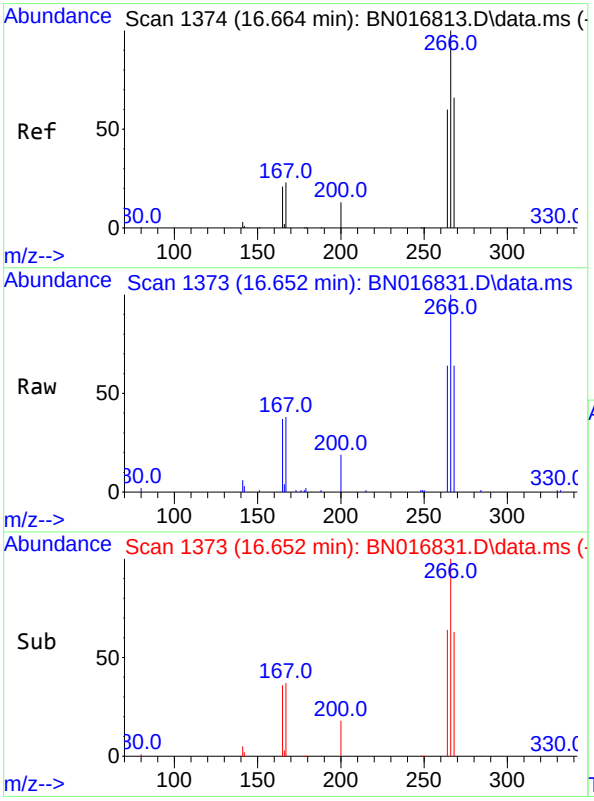


#23
Atrazine
Concen: 0.32 ng
RT: 16.482 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:200 Resp: 15205

Ion	Ratio	Lower	Upper
200	100		
173	23.0	20.1	30.1
215	50.0	38.8	58.2

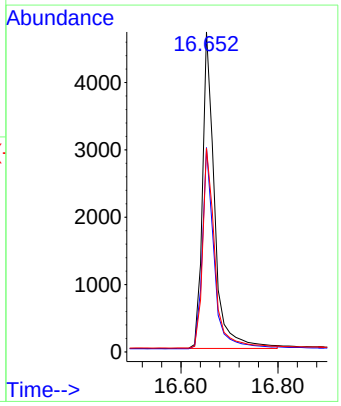




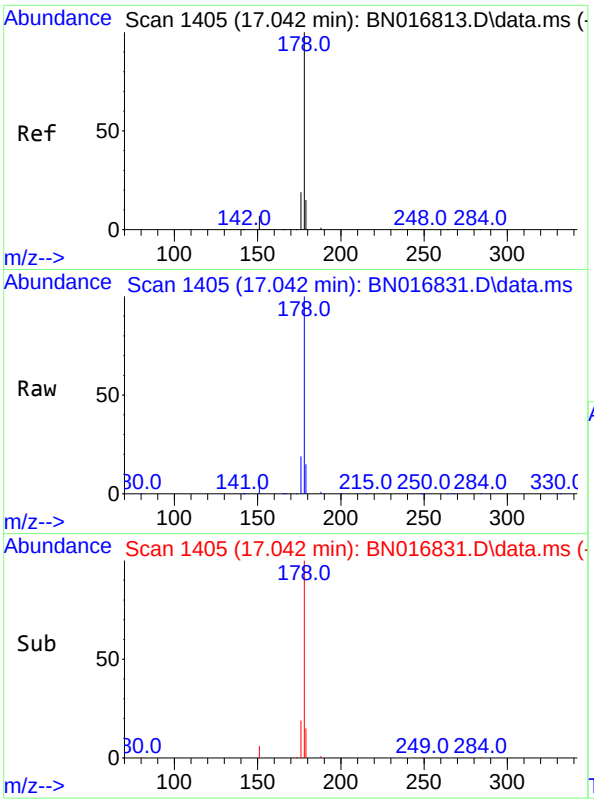
#24
Pentachlorophenol
Concen: 0.35 ng
RT: 16.652 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:266 Resp: 8185

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.3	73.9
268	63.7	51.8	77.8



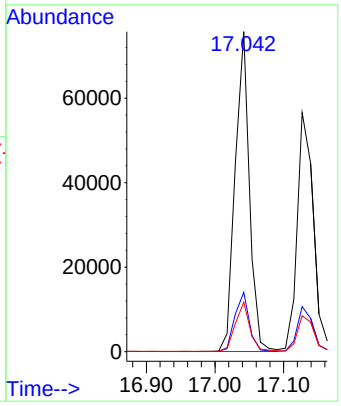
Instrument :
BNA_N
ClientSampleId :
PB139589BS

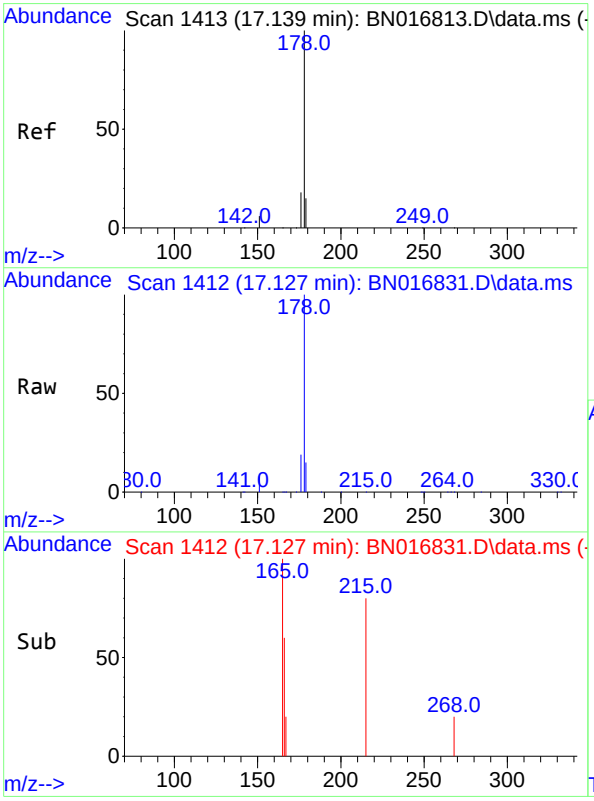


#25
Phenanthrene
Concen: 0.38 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:178 Resp: 109600

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.4	18.6

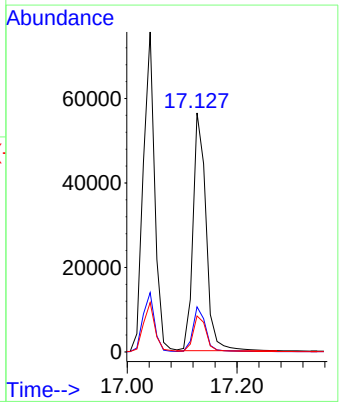




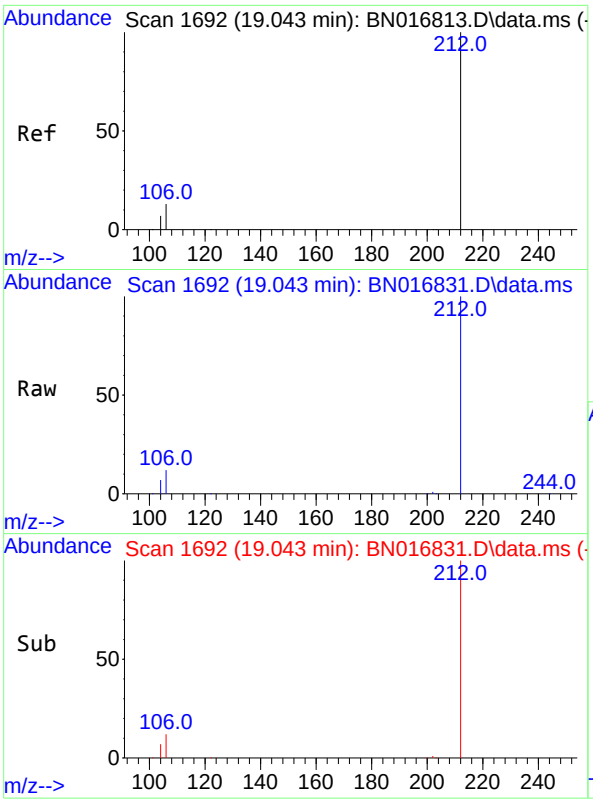
#26
Anthracene
Concen: 0.36 ng
RT: 17.127 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:178 Resp: 92783

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	15.3	12.2	18.4



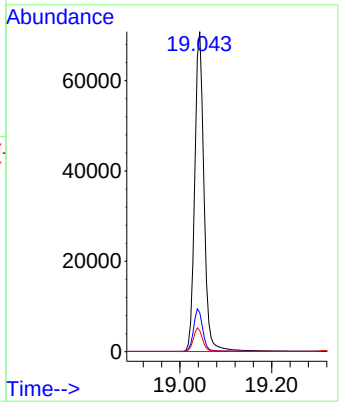
Instrument :
BNA_N
ClientSampleId :
PB139589BS

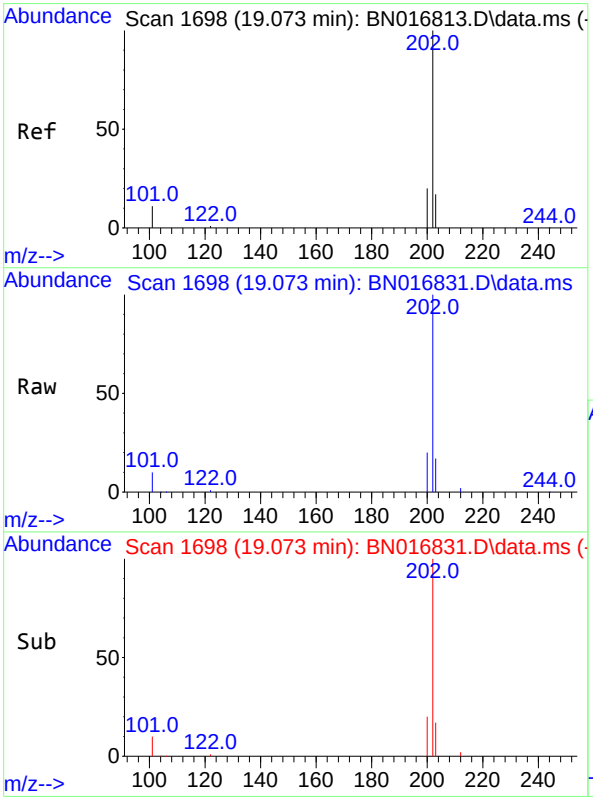


#27
Fluoranthene-d10
Concen: 0.36 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:212 Resp: 98850

Ion	Ratio	Lower	Upper
212	100		
106	13.4	10.6	16.0
104	7.3	5.8	8.8

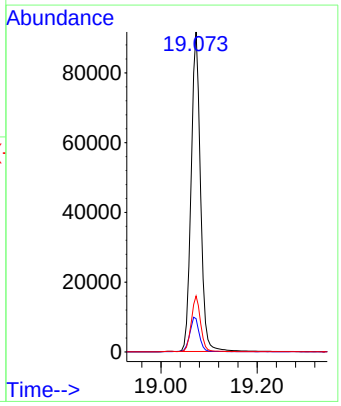




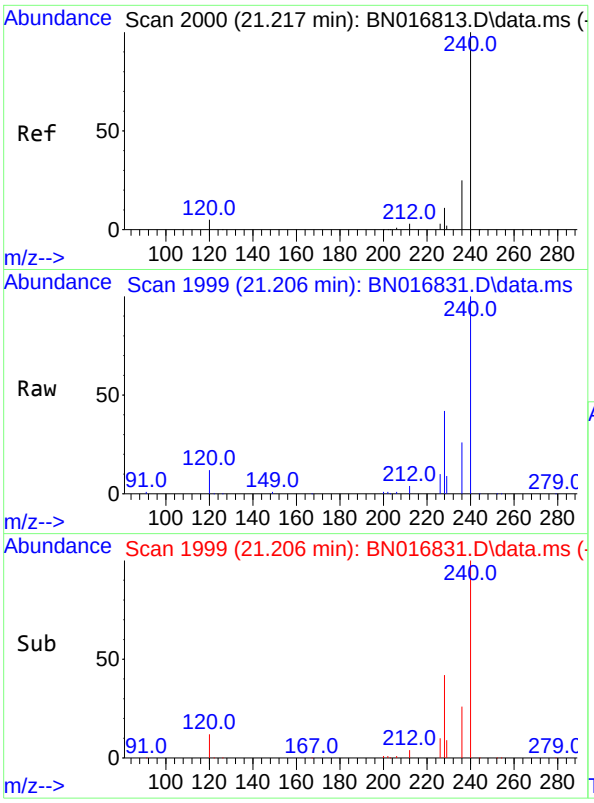
#28
Fluoranthene
Concen: 0.38 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:202 Resp: 124708

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
203	17.4	13.8	20.8



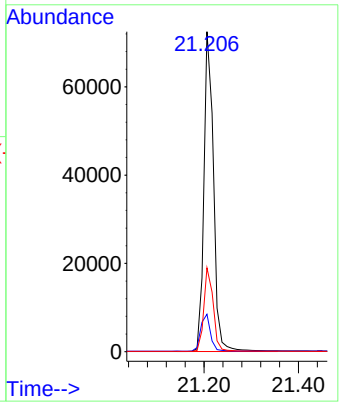
Instrument :
BNA_N
ClientSampleId :
PB139589BS

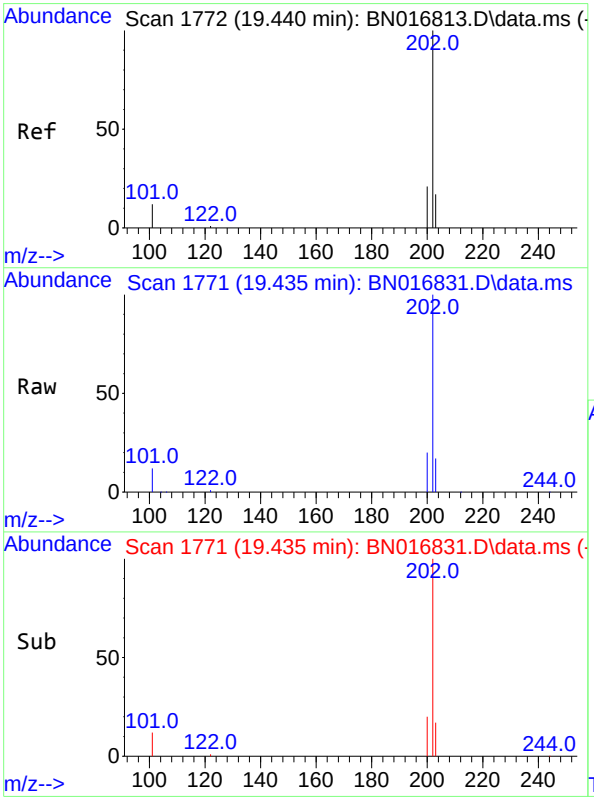


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.206 min Scan# 1999
Delta R.T. -0.010 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:240 Resp: 101743

Ion	Ratio	Lower	Upper
240	100		
120	11.7	6.6	10.0#
236	26.2	20.7	31.1

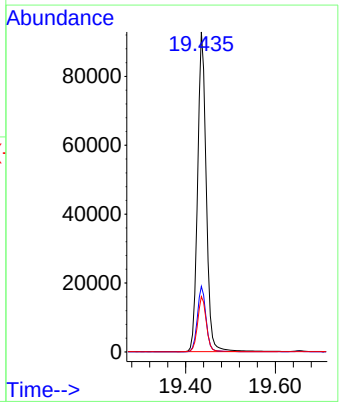




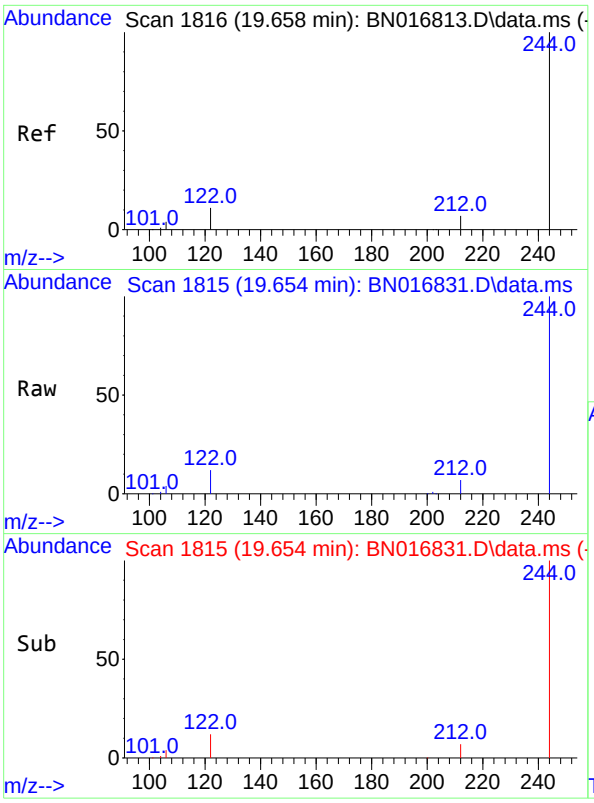
#30
Pyrene
Concen: 0.40 ng
RT: 19.435 min Scan# 1771
Delta R.T. -0.005 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:202 Resp: 124786

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	13.9	20.9



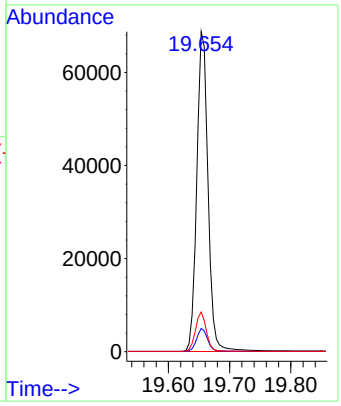
Instrument :
BNA_N
ClientSampleId :
PB139589BS

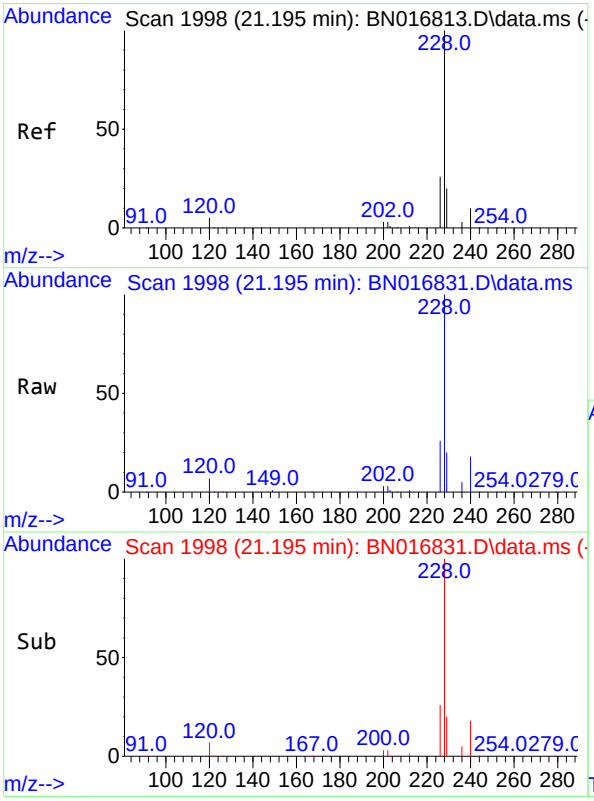


#31
Terphenyl-d14
Concen: 0.40 ng
RT: 19.654 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:244 Resp: 87810

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	12.4	8.9	13.3

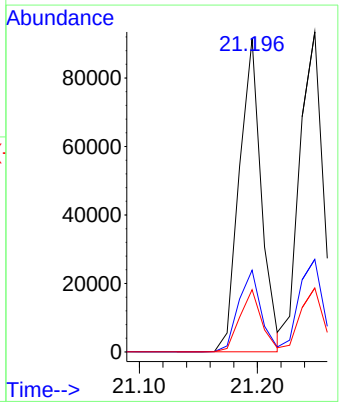




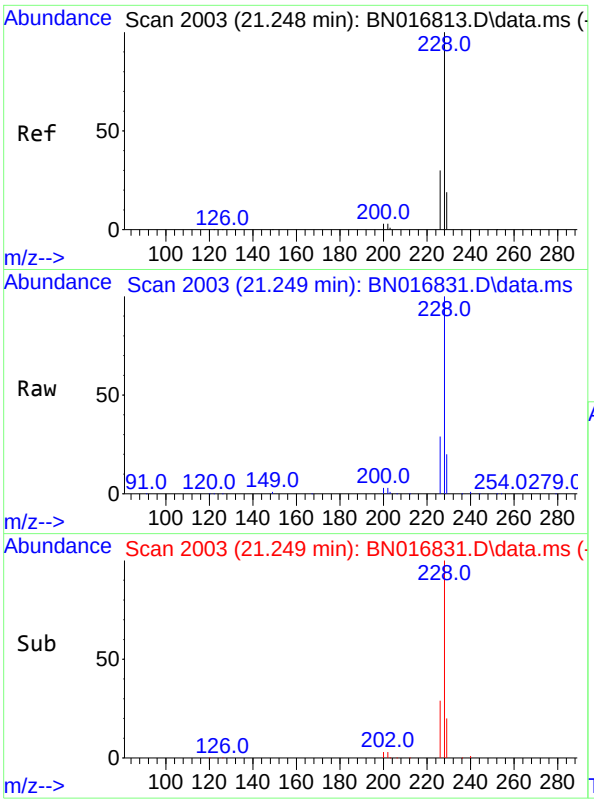
#32
Benzo(a)anthracene
Concen: 0.38 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:228 Resp: 119438

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.3	33.5
229	19.9	15.4	23.0



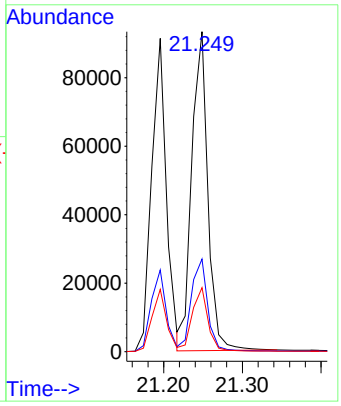
Instrument :
BNA_N
ClientSampleId :
PB139589BS

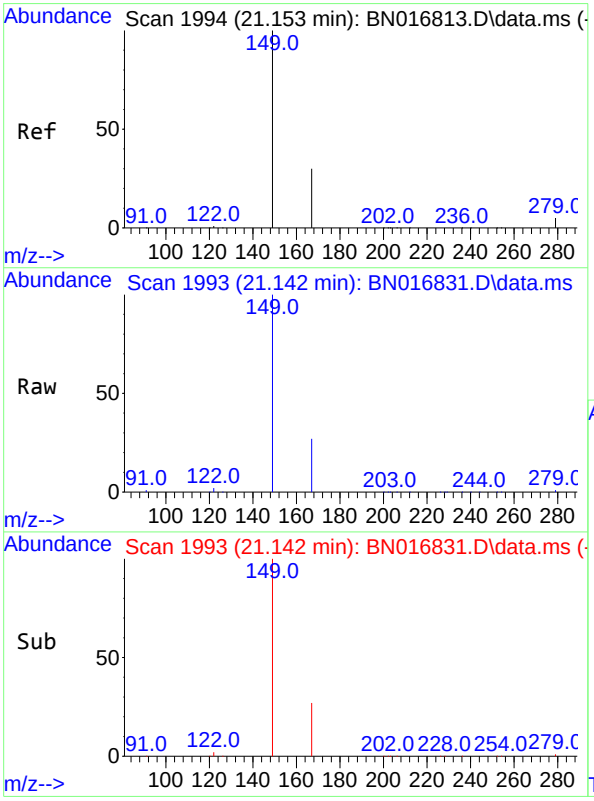


#33
Chrysene
Concen: 0.41 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:228 Resp: 132206

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.4
229	20.0	15.4	23.0

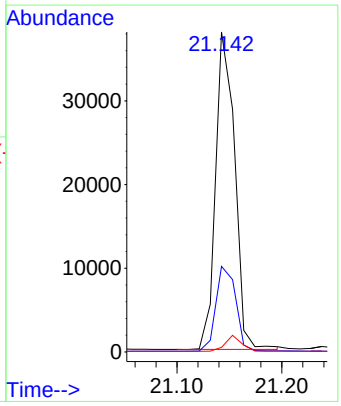


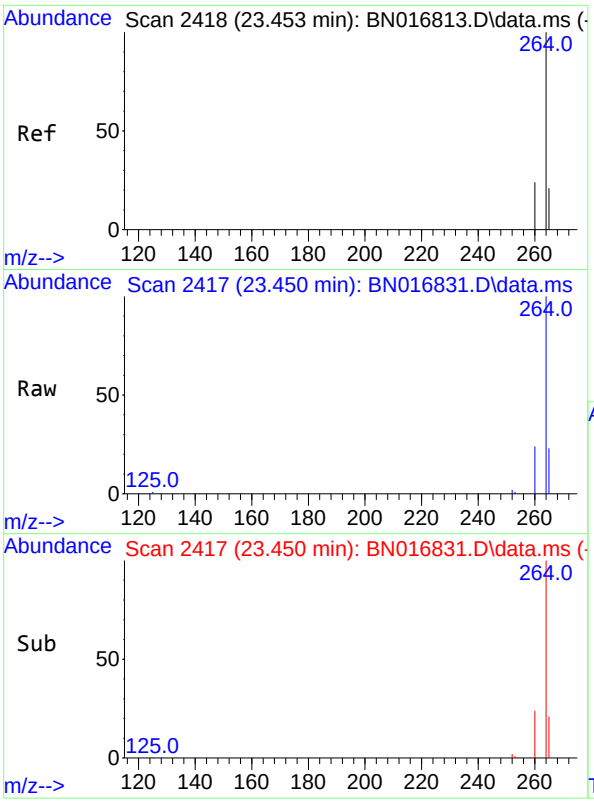


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.142 min Scan# 1993
Delta R.T. -0.011 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:149 Resp: 48094

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.3	3.4	5.2

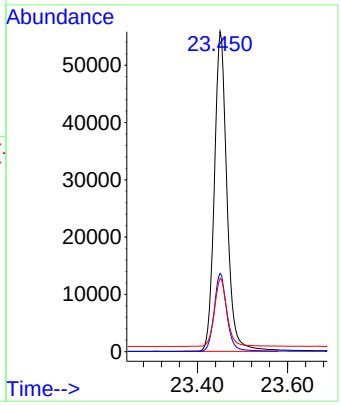




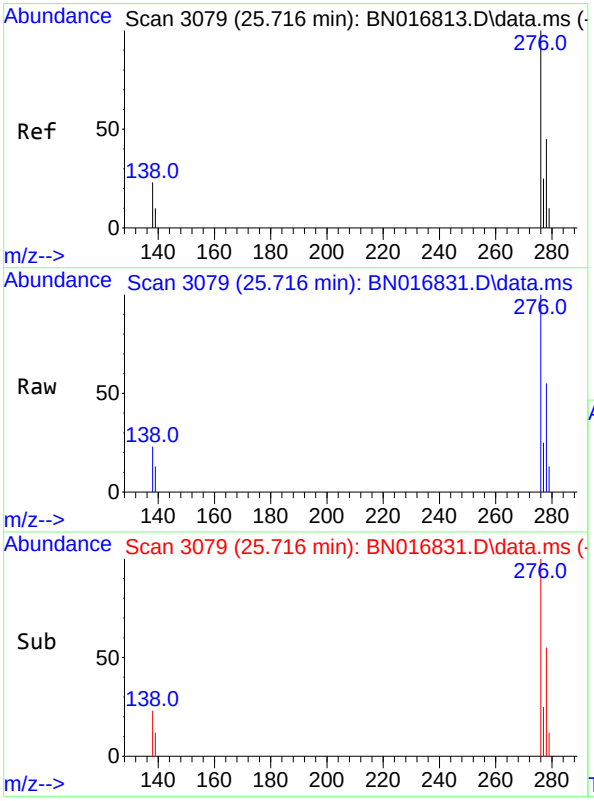
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.450 min Scan# 2417
Delta R.T. -0.003 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:264 Resp: 108366

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	22.9	20.3	30.5



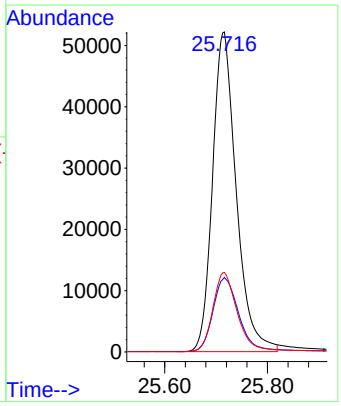
Instrument :
BNA_N
ClientSampleId :
PB139589BS



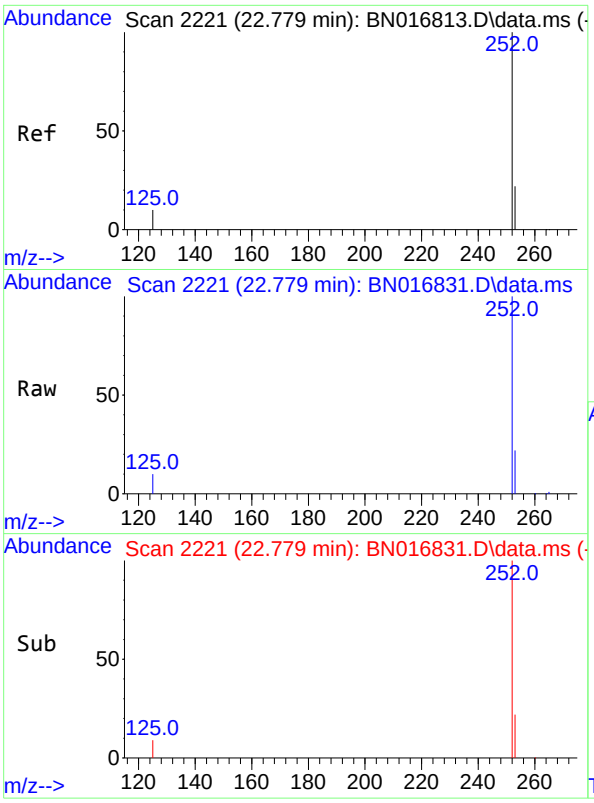
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.41 ng
RT: 25.716 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:276 Resp: 166777

Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.2	28.8
277	25.2	20.0	30.0



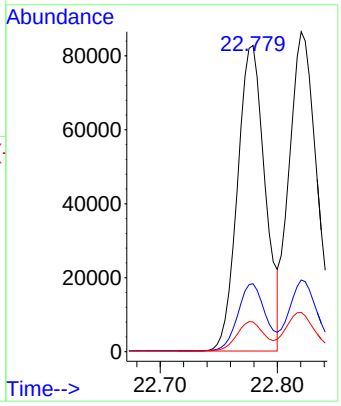
Instrument :
BNA_N
ClientSampleId :
PB139589BS

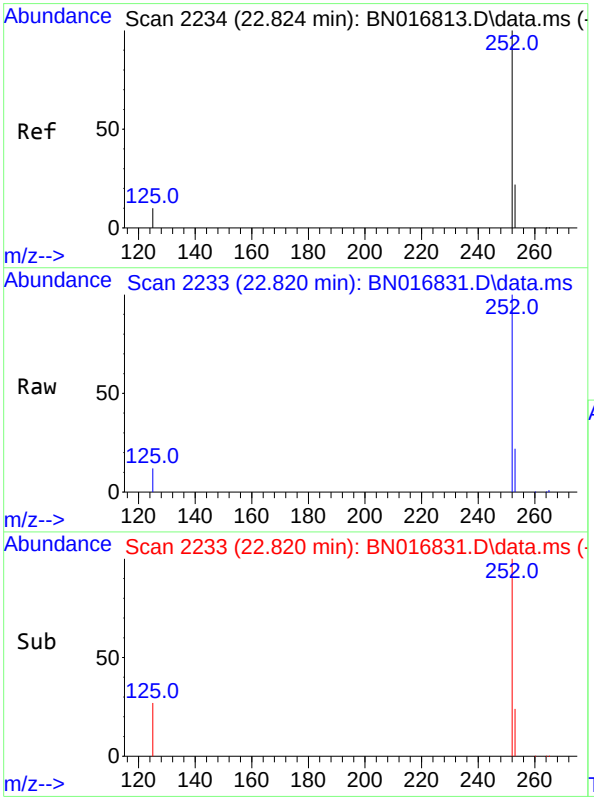


#37
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 22.779 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:252 Resp: 135297

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.7	8.3	12.5

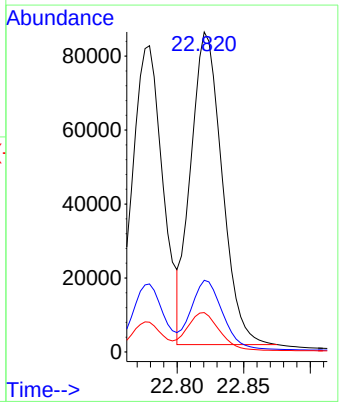




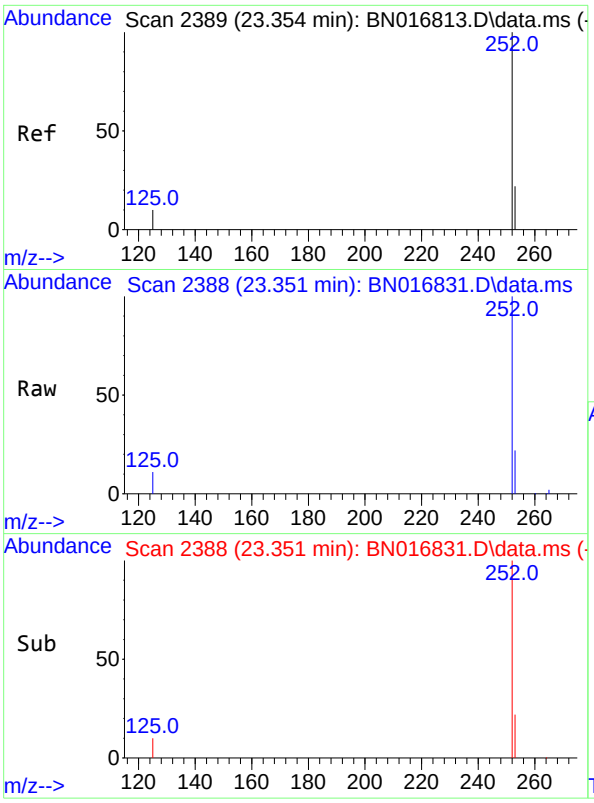
#38
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 22.820 min Scan# 2233
Delta R.T. -0.003 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:252 Resp: 138285

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.3	8.5	12.7



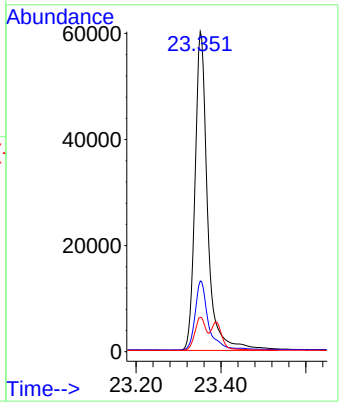
Instrument :
BNA_N
ClientSampleId :
PB139589BS

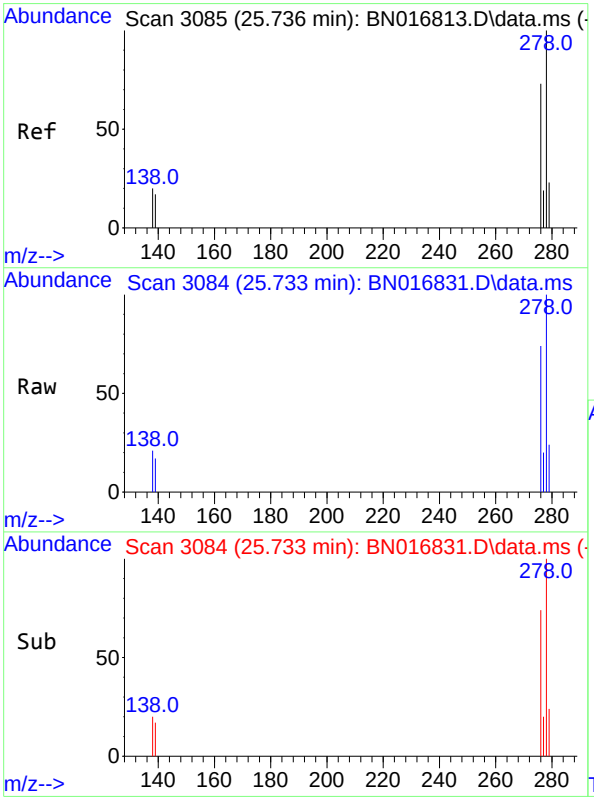


#39
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.351 min Scan# 2388
Delta R.T. -0.003 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:252 Resp: 123644

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	10.8	9.4	14.2

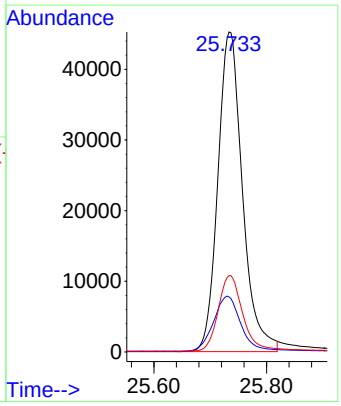


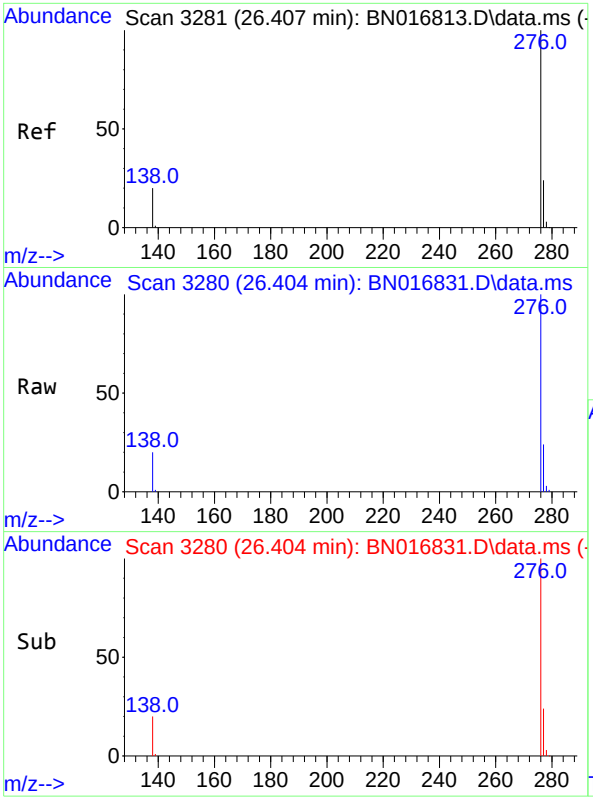


#40
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 25.733 min Scan# 3084
Delta R.T. -0.003 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:278 Resp: 136653

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.1	19.7
279	23.9	19.3	28.9

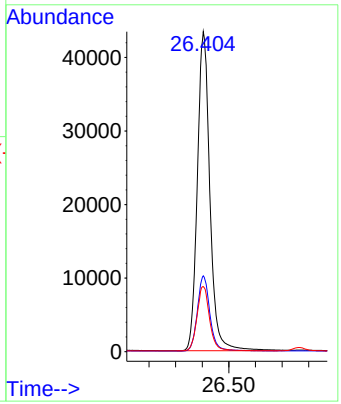




#41
Benzo(g,h,i)perylene
Concen: 0.40 ng
RT: 26.404 min Scan# 3280
Delta R.T. -0.003 min
Lab File: BN016831.D
Acq: 08 Oct 2021 06:55

Tgt Ion:276 Resp: 141803

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.3	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
PB139589BS