Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092121\
Data File : BN016382.D
Acq On : 21 Sep 2021 18:31
Operator : CG/JU
Sample : PB139259BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139259BS

Quant Time: Sep 22 04:33:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 21 13:21:55 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.679	152	21722	0.400	ng	0.00
7) Naphthalene-d8	10.445	136	90287	0.400	ng	0.00
13) Acenaphthene-d10	14.294	164	47021	0.400	ng	-0.01
19) Phenanthrene-d10	17.054	188	95239	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	80464	0.400	ng	# 0.00
35) Perylene-d12	23.519	264	72930	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.282	112	18145	0.333	ng	0.00
5) Phenol-d6	6.849	99	21271	0.322	ng	0.00
8) Nitrobenzene-d5	8.810	82	22320	0.416	ng	0.00
11) 2-Methylnaphthalene-d10	12.038	152	53249	0.374	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	4657	0.337	ng	0.00
15) 2-Fluorobiphenyl	12.924	172	76579	0.416	ng	0.00
27) Fluoranthene-d10	19.093	212	101583	0.368	ng	0.00
31) Terphenyl-d14	19.703	244	84910	0.456	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	3996	0.442	ng	# 82
3) n-Nitrosodimethylamine	3.631	42	8972	0.434	ng	# 67
6) bis(2-Chloroethyl)ether	7.117	93	23850	0.405	ng	93
9) Naphthalene	10.495	128	94721	0.389	ng	100
10) Hexachlorobutadiene	10.787	225	18847	0.408	ng	# 99
12) 2-Methylnaphthalene	12.109	142	61551	0.382	ng	97
16) Acenaphthylene	14.015	152	72141	0.330	ng	100
17) Acenaphthene	14.357	154	53686	0.396	ng	98
18) Fluorene	15.347	166	65344	0.388	ng	99
20) 4,6-Dinitro-2-methylph...	15.436	198	2882	0.692	ng	# 67
21) 4-Bromophenyl-phenylether	16.251	248	22508	0.404	ng	# 92
22) Hexachlorobenzene	16.360	284	21453	0.408	ng	# 90
23) Atrazine	16.531	200	17360	0.340	ng	97
24) Pentachlorophenol	16.701	266	6882	0.388	ng	98
25) Phenanthrene	17.090	178	109056	0.405	ng	99
26) Anthracene	17.188	178	92667	0.356	ng	99
28) Fluoranthene	19.122	202	118975	0.384	ng	99
30) Pyrene	19.485	202	115605	0.454	ng	99
32) Benzo(a)anthracene	21.238	228	102295	0.396	ng	99
33) Chrysene	21.291	228	104164	0.416	ng	99
34) Bis(2-ethylhexyl)phtha...	21.195	149	41361	0.297	ng	97
36) Indeno(1,2,3-cd)pyrene	25.815	276	96085	0.408	ng	100
37) Benzo(b)fluoranthene	22.837	252	94833	0.409	ng	99
38) Benzo(k)fluoranthene	22.882	252	99752	0.448	ng	# 97
39) Benzo(a)pyrene	23.419	252	81521	0.389	ng	98
40) Dibenzo(a,h)anthracene	25.836	278	83312	0.417	ng	96
41) Benzo(g,h,i)perylene	26.514	276	81572	0.410	ng	95

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

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Instrument :
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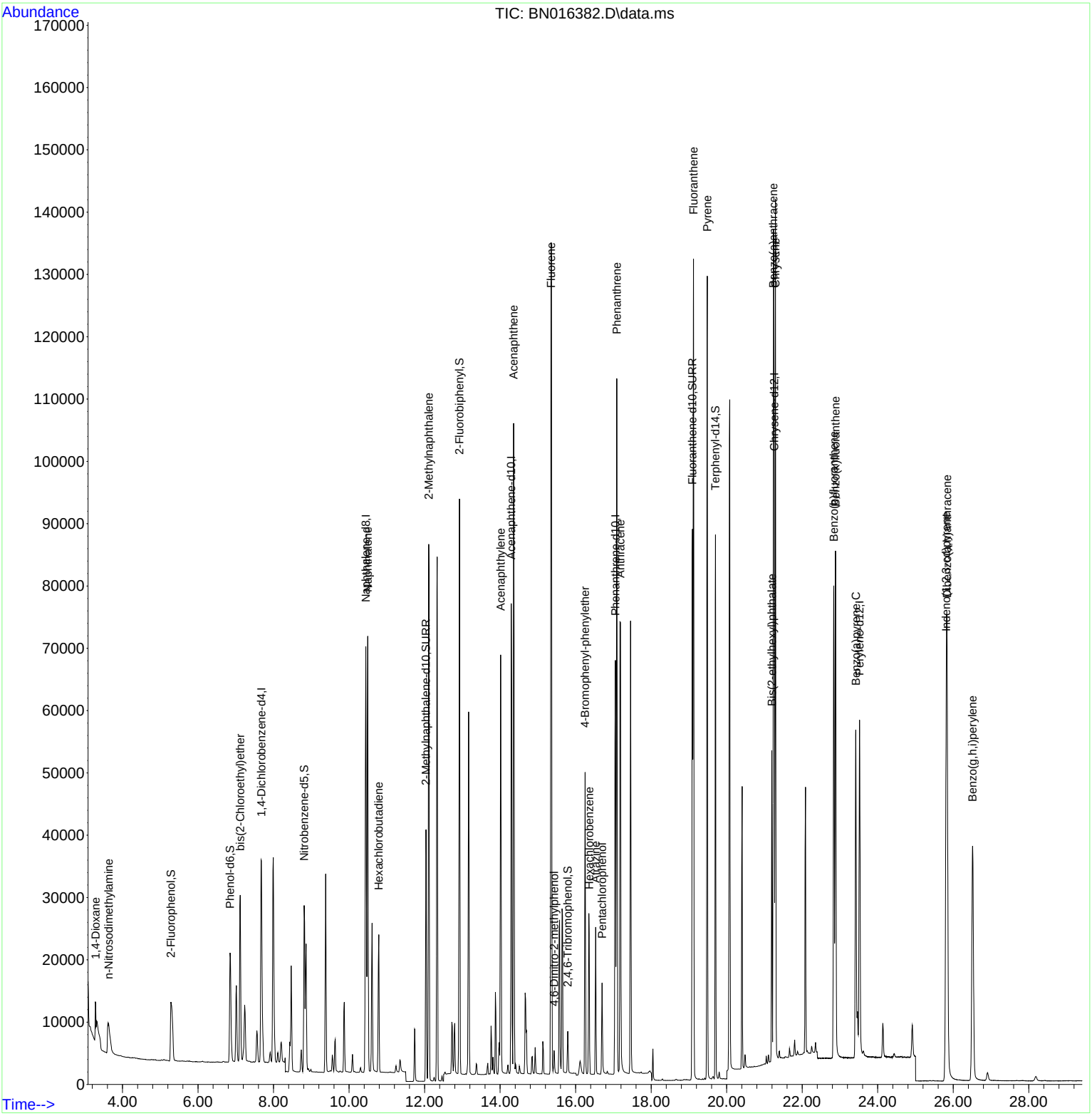
Quant Time: Sep 22 04:33:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 21 13:21:55 2021
Response via : Initial Calibration



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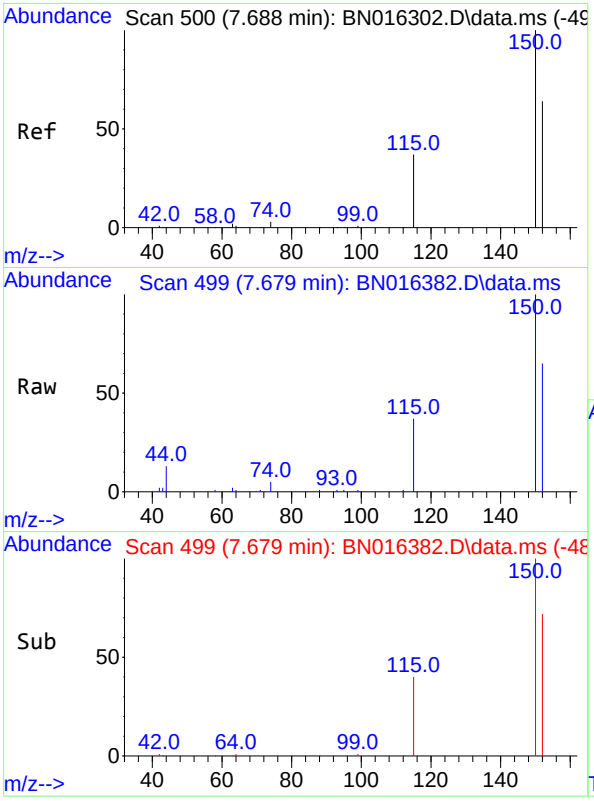
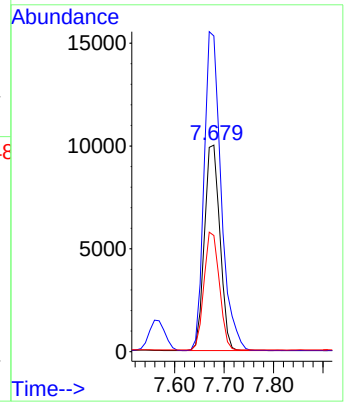
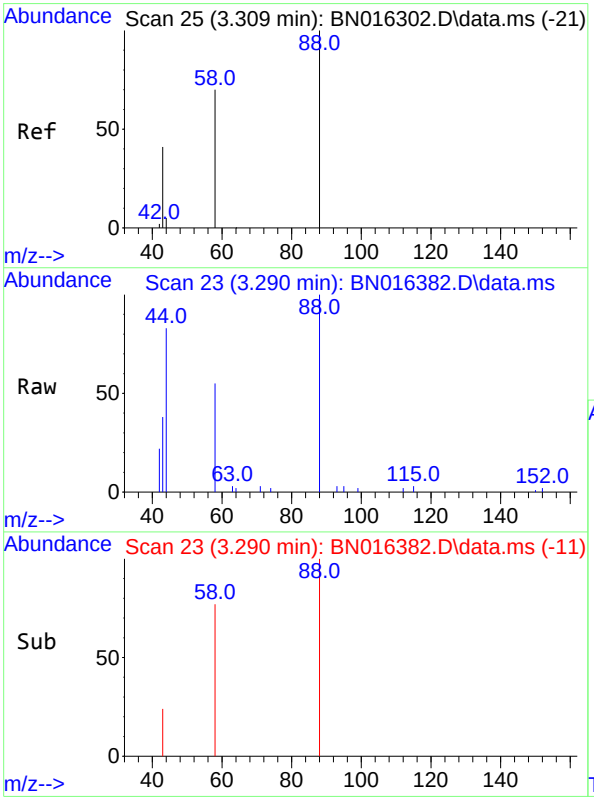


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.679 min Scan# 499
Delta R.T. 0.009 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:152 Resp: 21722

Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.6	188.4
115	56.3	50.2	75.2

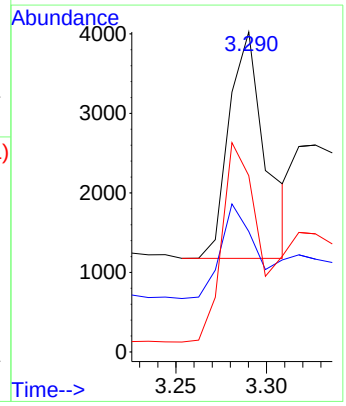




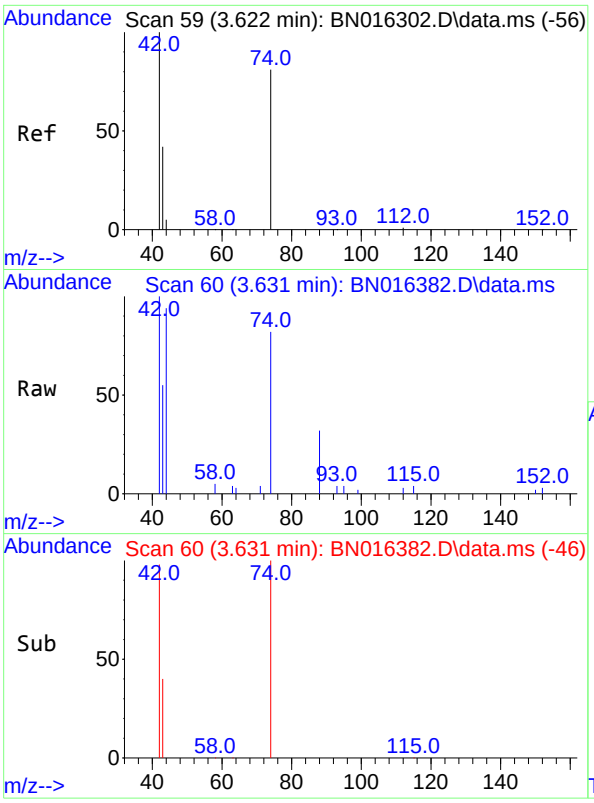
#2
1,4-Dioxane
Concen: 0.442 ng
RT: 3.290 min Scan# 23
Delta R.T. 0.010 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion: 88 Resp: 3996

Ion	Ratio	Lower	Upper
88	100		
43	45.1	20.3	30.5#
58	98.1	69.9	104.9



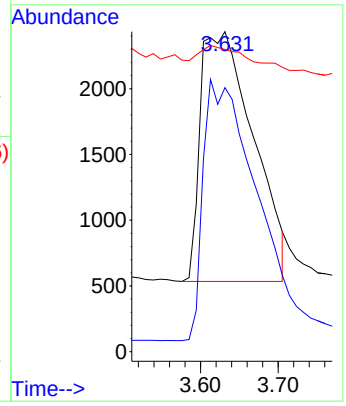
Instrument :
BNA_N
ClientSampleId :
PB139259BS

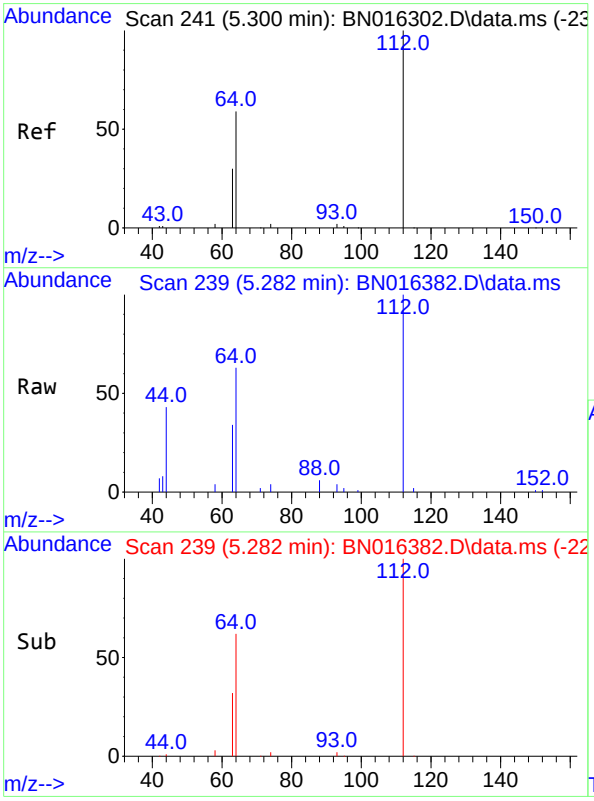


#3
n-Nitrosodimethylamine
Concen: 0.434 ng
RT: 3.631 min Scan# 60
Delta R.T. 0.028 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion: 42 Resp: 8972

Ion	Ratio	Lower	Upper
42	100		
74	101.6	113.6	170.4#
44	6.9	0.0	0.0#

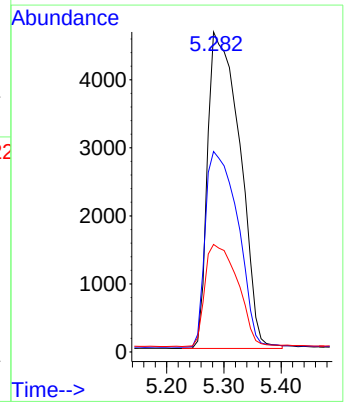




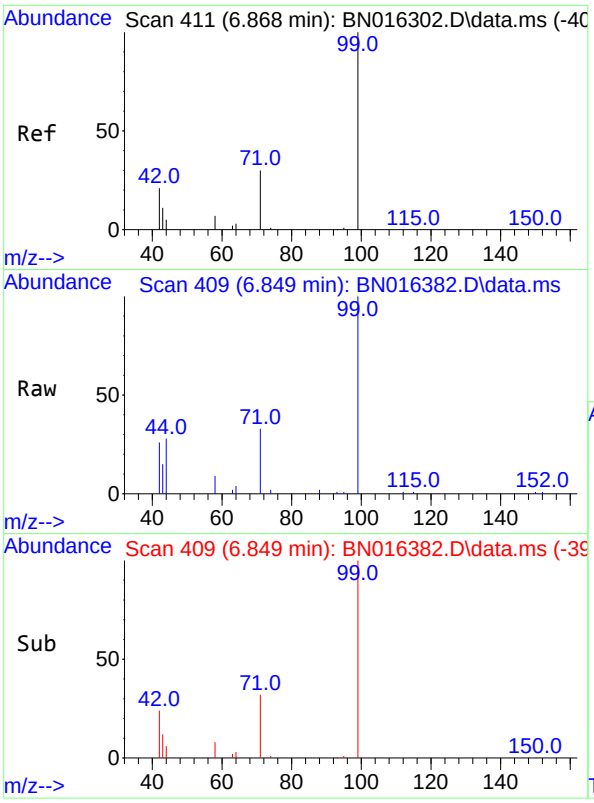
#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.282 min Scan# 239
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:112 Resp: 18145

Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.3	70.9
63	32.8	23.4	35.0



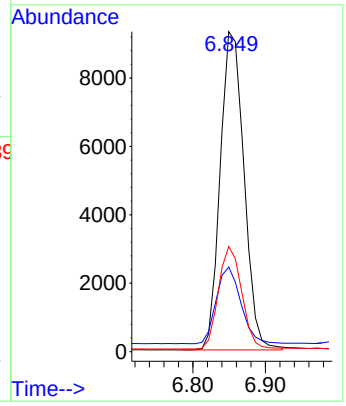
Instrument :
BNA_N
ClientSampleId :
PB139259BS

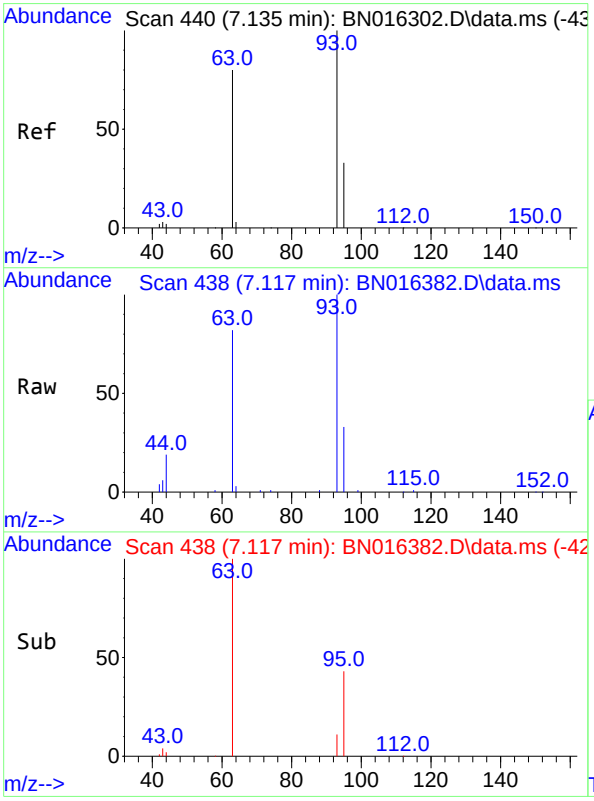


#5
Phenol-d6
Concen: 0.322 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion: 99 Resp: 21271

Ion	Ratio	Lower	Upper
99	100		
42	24.7	14.0	21.0#
71	31.4	23.8	35.6

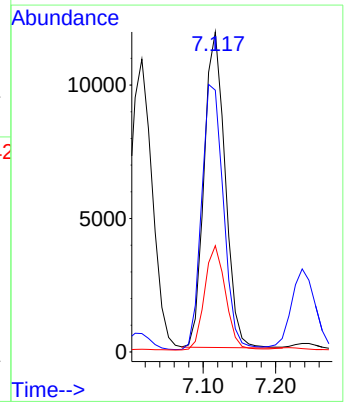




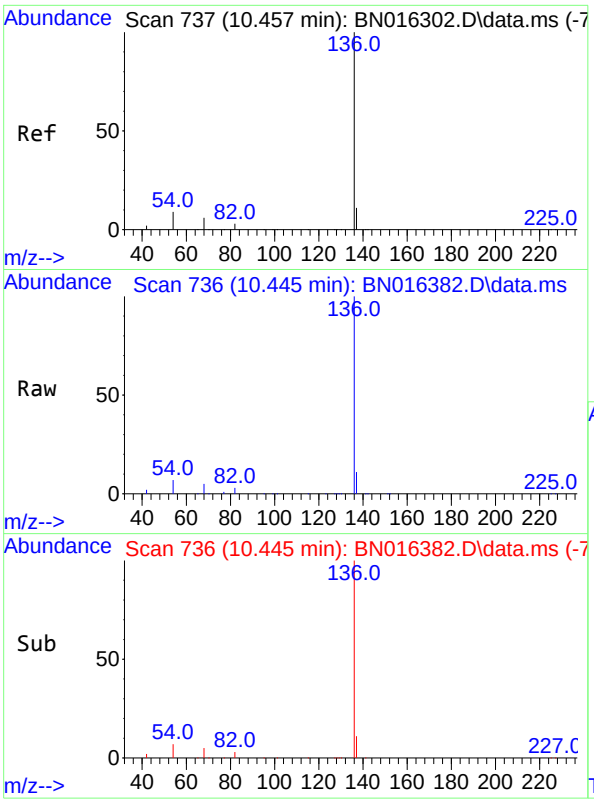
#6
bis(2-Chloroethyl)ether
Concen: 0.405 ng
RT: 7.117 min Scan# 438
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion: 93 Resp: 23850

Ion	Ratio	Lower	Upper
93	100		
63	87.4	63.4	95.0
95	32.9	26.8	40.2



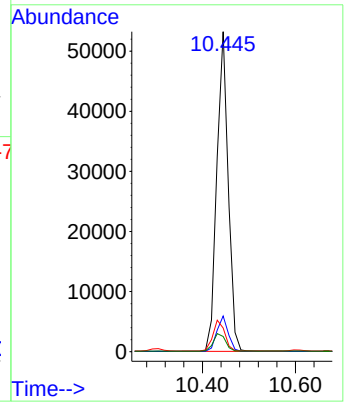
Instrument :
BNA_N
ClientSampleId :
PB139259BS

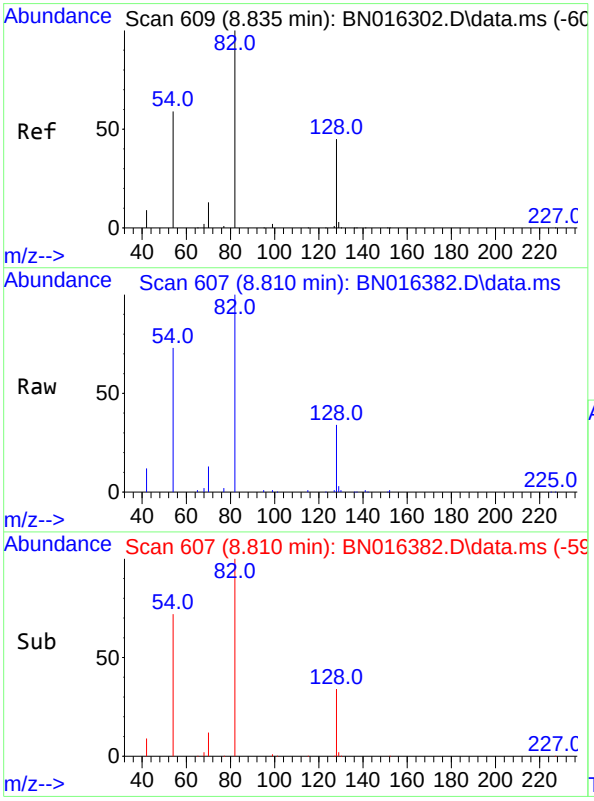


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:136 Resp: 90287

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	5.3	7.9
68	4.7	3.9	5.9

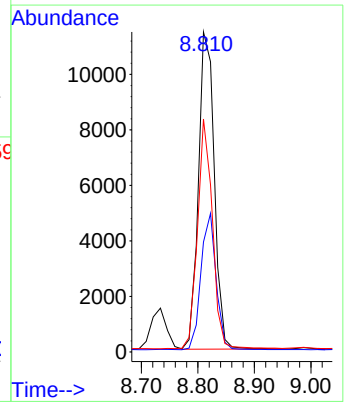




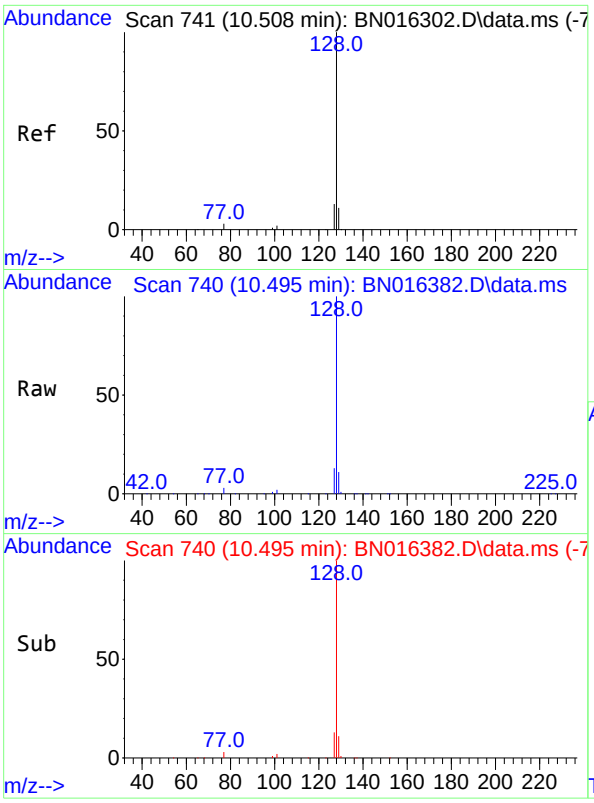
#8
Nitrobenzene-d5
Concen: 0.416 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion: 82 Resp: 22320

Ion	Ratio	Lower	Upper
82	100		
128	34.4	31.7	47.5
54	72.8	46.4	69.6#



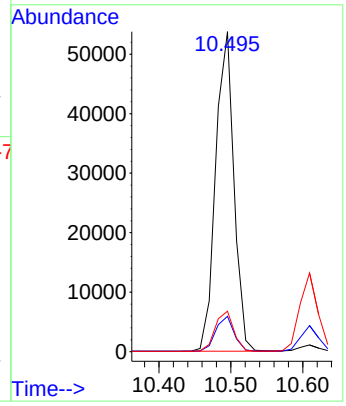
Instrument :
BNA_N
ClientSampleId :
PB139259BS

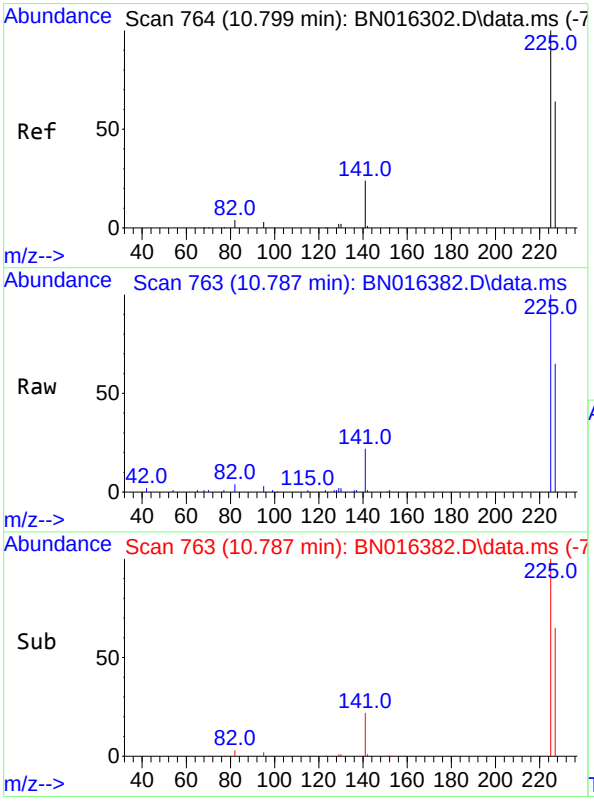


#9
Naphthalene
Concen: 0.389 ng
RT: 10.495 min Scan# 740
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:128 Resp: 94721

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.7	10.1	15.1

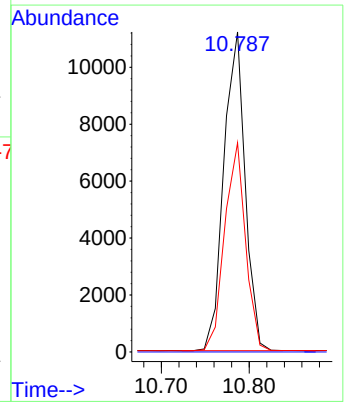




#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:225 Resp: 18847

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.5	77.3



Instrument :
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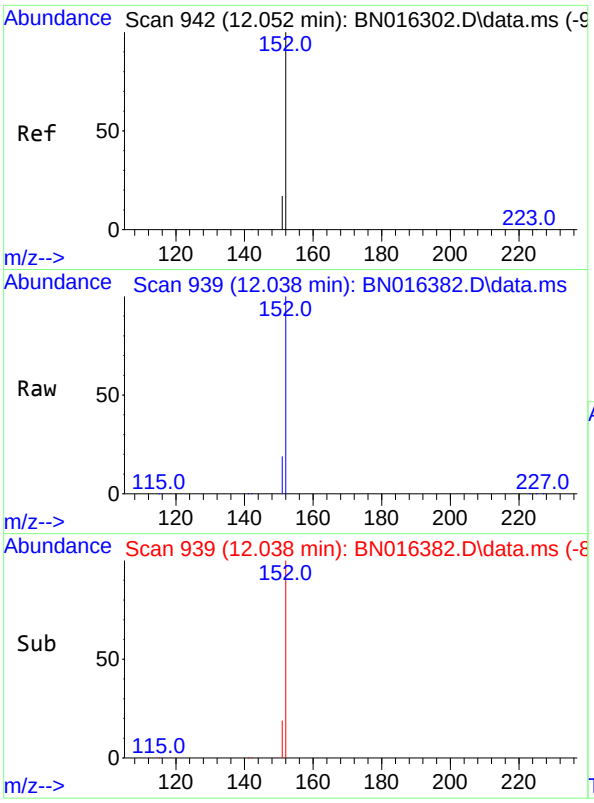
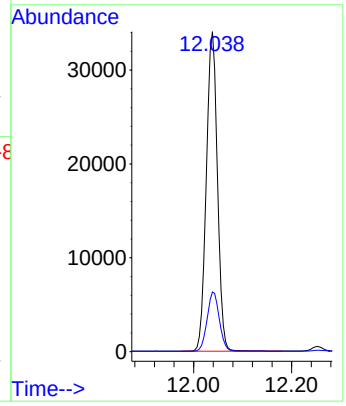
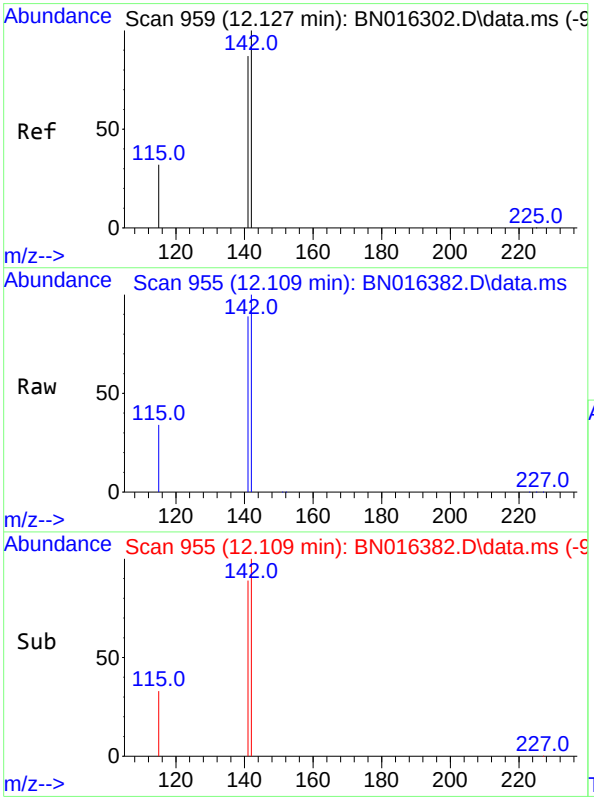


#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.038 min Scan# 939
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:152 Resp: 53249

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1

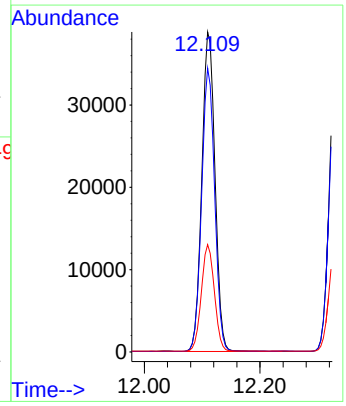




#12
2-Methylnaphthalene
Concen: 0.382 ng
RT: 12.109 min Scan# 955
Delta R.T. -0.004 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:142 Resp: 61551

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.8	104.8
115	33.6	24.4	36.6



Instrument :
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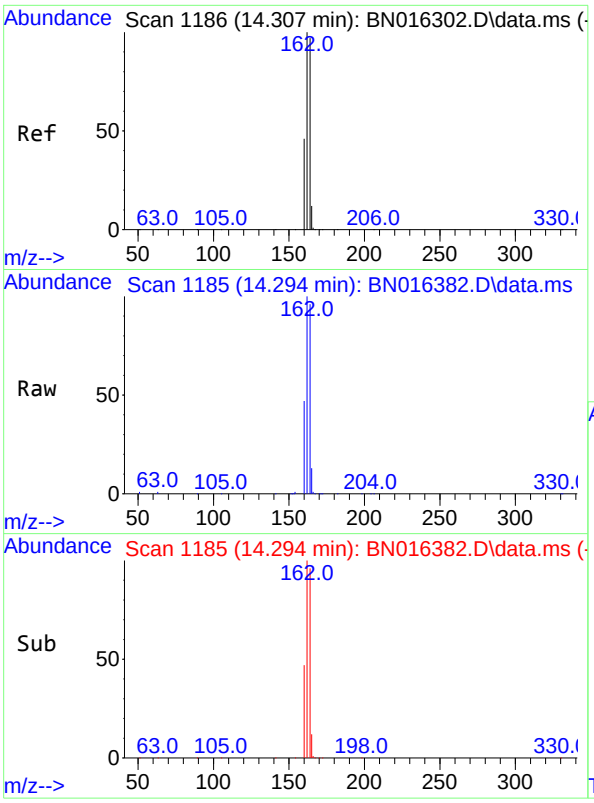
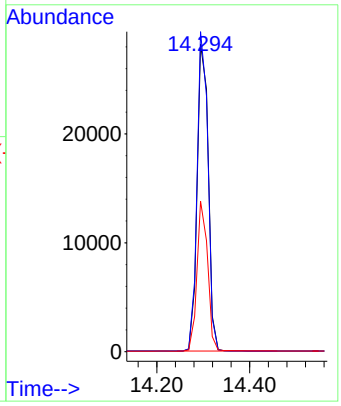
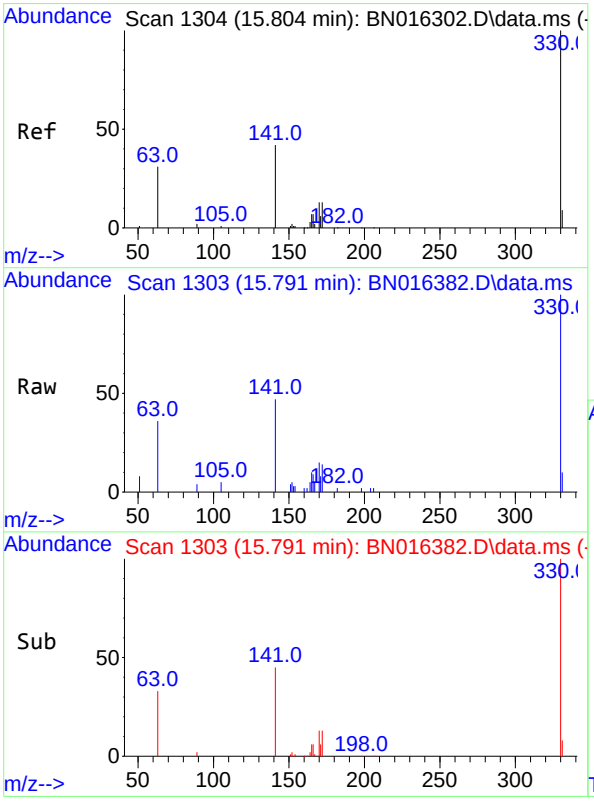


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:164 Resp: 47021

Ion	Ratio	Lower	Upper
164	100		
162	104.0	79.0	118.4
160	49.0	34.1	51.1

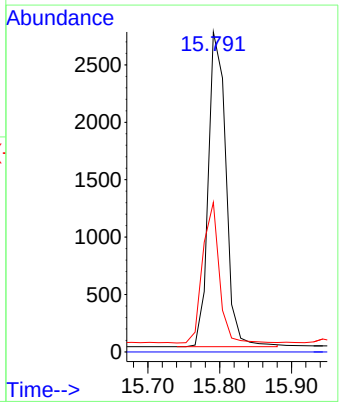




#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:330 Resp: 4657

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.2	25.0	37.4#



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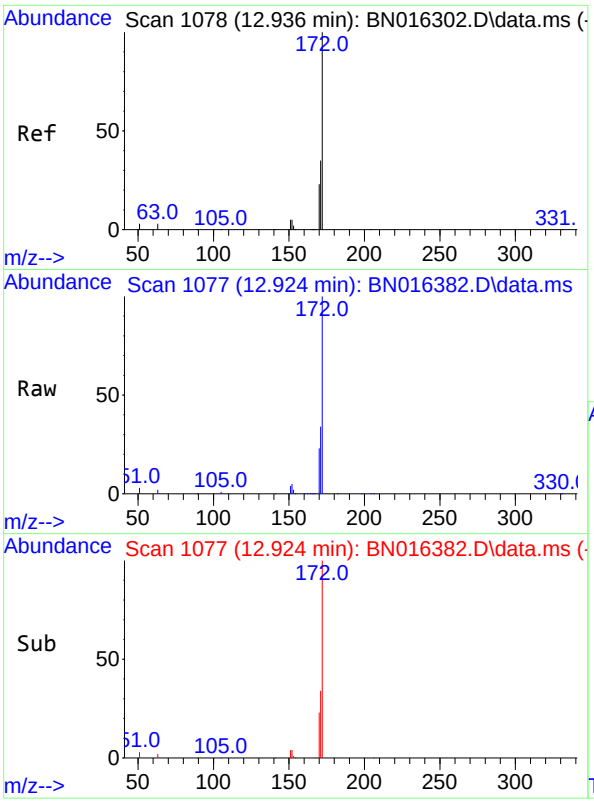
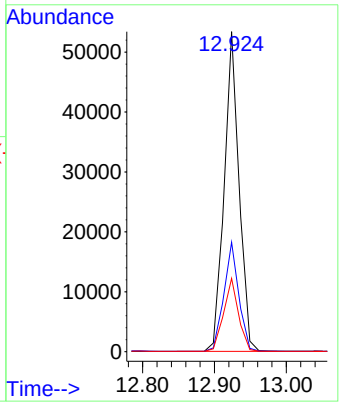
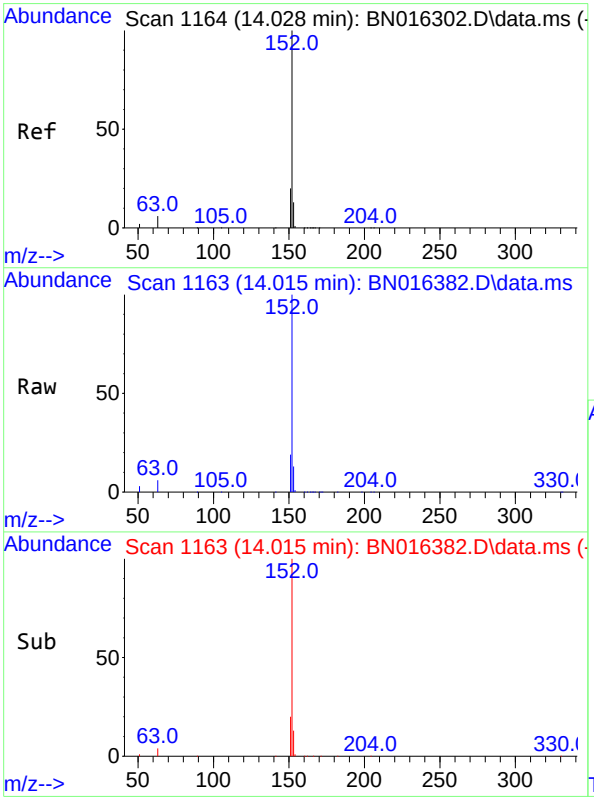


#15
2-Fluorobiphenyl
Concen: 0.416 ng
RT: 12.924 min Scan# 1077
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:172 Resp: 76579

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	22.9	18.2	27.2

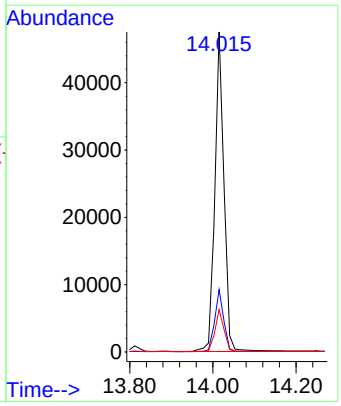




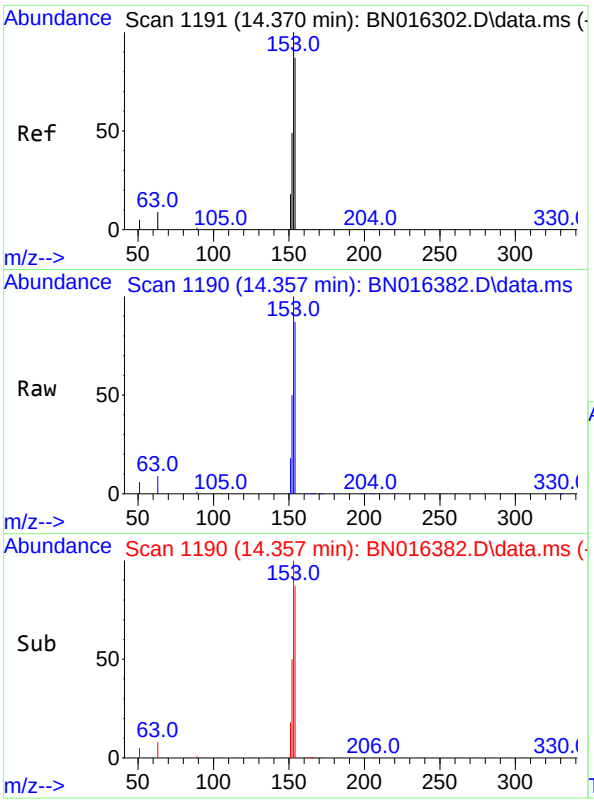
#16
Acenaphthylene
Concen: 0.330 ng
RT: 14.015 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:152 Resp: 72141

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	13.1	10.5	15.7



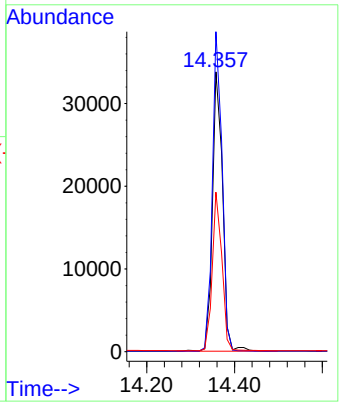
Instrument :
BNA_N
ClientSampleId :
PB139259BS

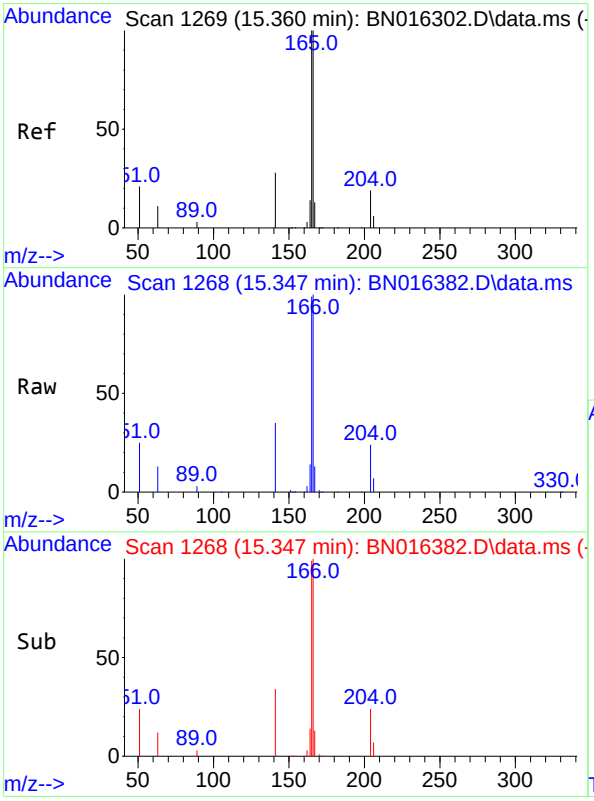


#17
Acenaphthene
Concen: 0.396 ng
RT: 14.357 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:154 Resp: 53686

Ion	Ratio	Lower	Upper
154	100		
153	110.1	89.3	133.9
152	54.1	42.2	63.4

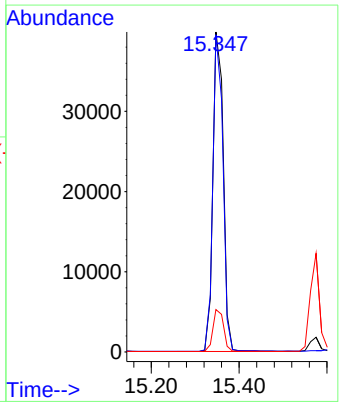




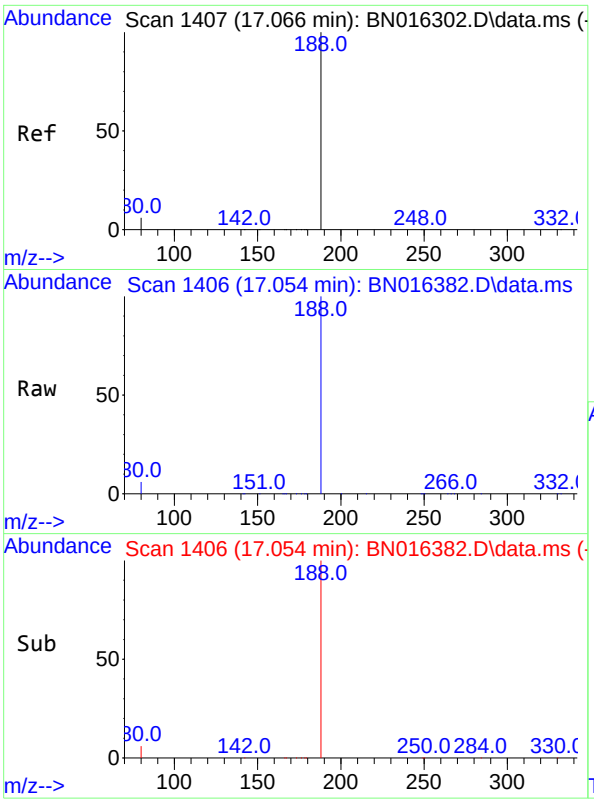
#18
Fluorene
Concen: 0.388 ng
RT: 15.347 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:166 Resp: 65344

Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.7	115.1
167	13.3	10.9	16.3



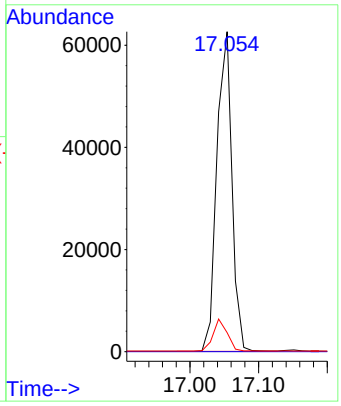
Instrument :
BNA_N
ClientSampleId :
PB139259BS

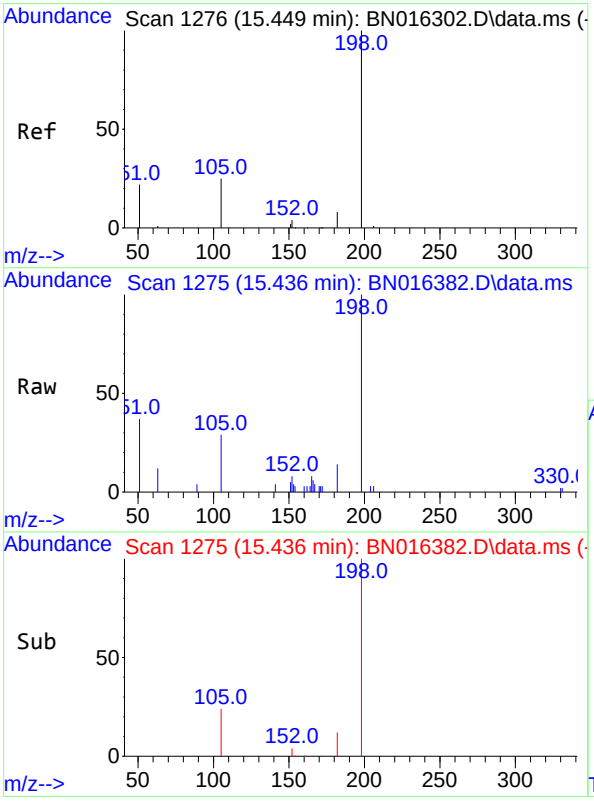


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:188 Resp: 95239

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	7.0	10.6#

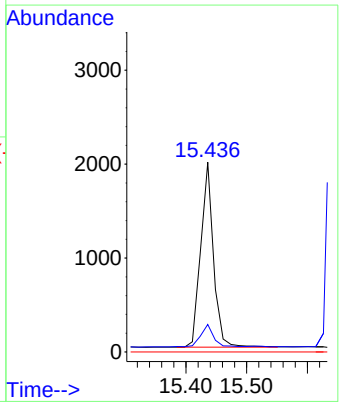




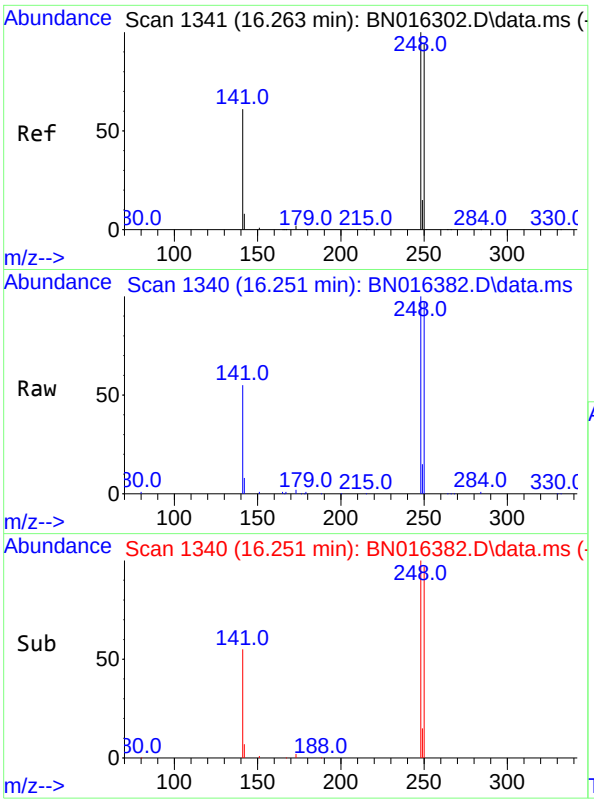
#20
4,6-Dinitro-2-methylphenol
Concen: 0.692 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:198 Resp: 2882

Ion	Ratio	Lower	Upper
198	100		
182	14.5	26.6	39.8#
77	0.0	0.0	0.0



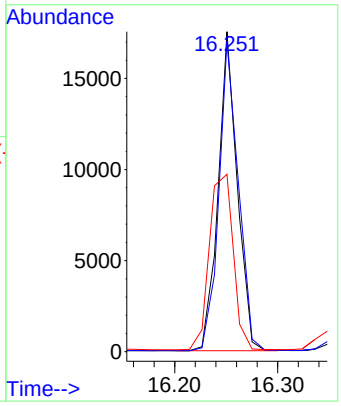
Instrument :
BNA_N
ClientSampleId :
PB139259BS

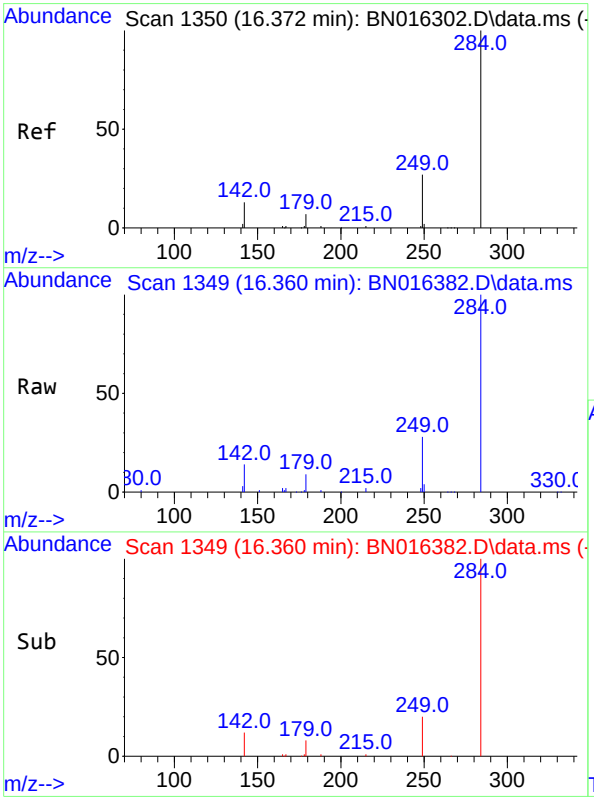


#21
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.251 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:248 Resp: 22508

Ion	Ratio	Lower	Upper
248	100		
250	96.9	80.5	120.7
141	55.4	34.8	52.2#

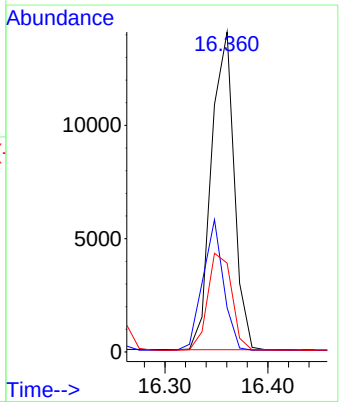




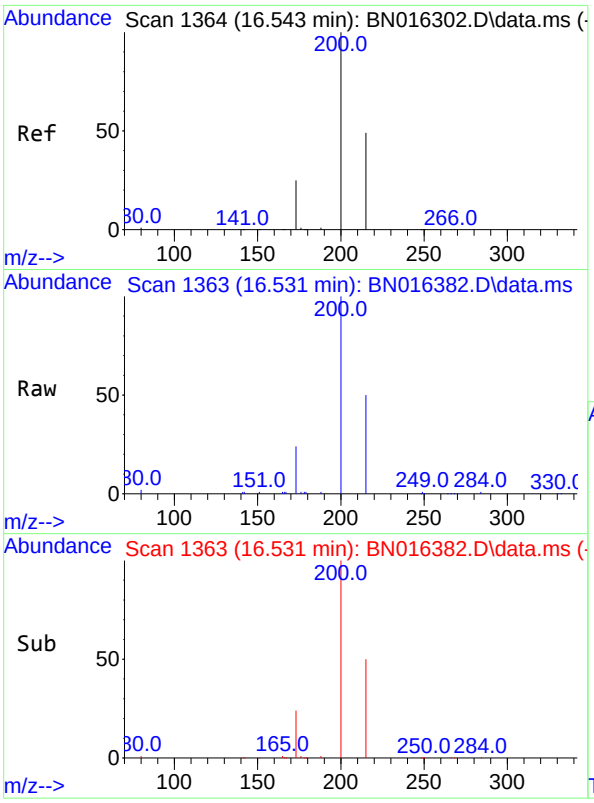
#22
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.360 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:284 Resp: 21453

Ion	Ratio	Lower	Upper
284	100		
142	37.4	22.6	34.0#
249	32.5	24.4	36.6



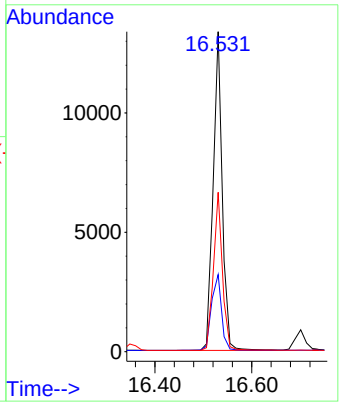
Instrument :
BNA_N
ClientSampleId :
PB139259BS

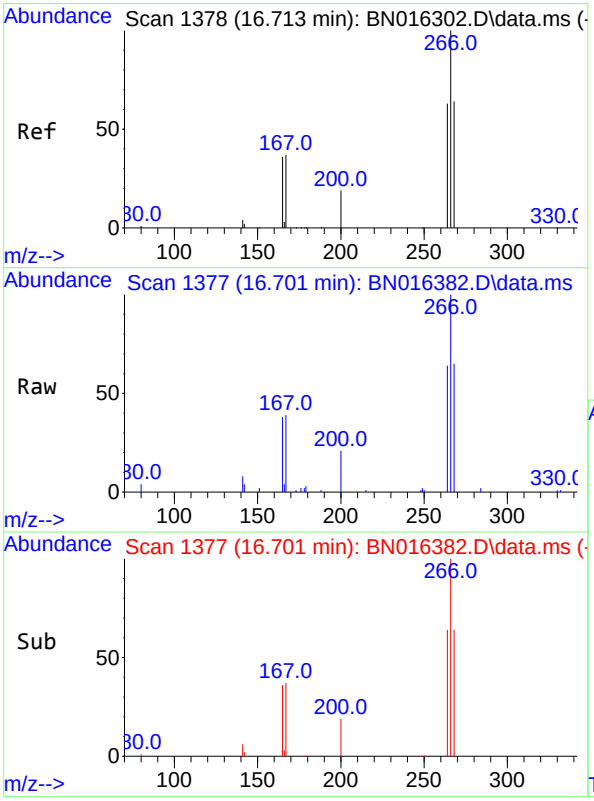


#23
Atrazine
Concen: 0.340 ng
RT: 16.531 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:200 Resp: 17360

Ion	Ratio	Lower	Upper
200	100		
173	24.1	18.7	28.1
215	49.8	41.6	62.4

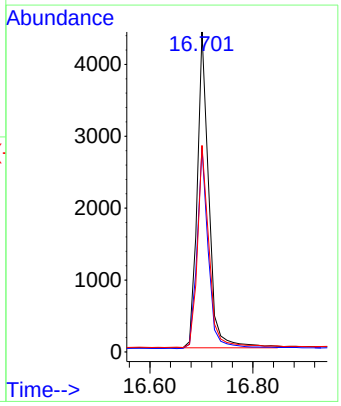




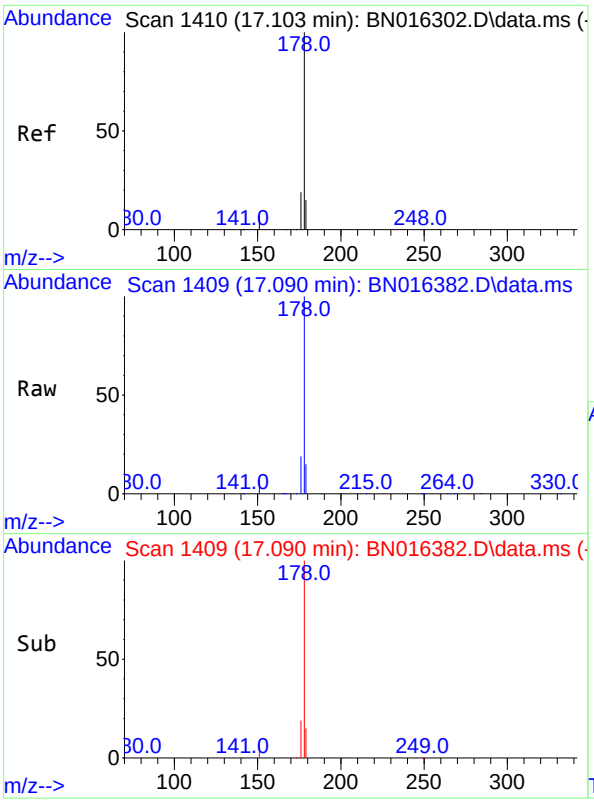
#24
Pentachlorophenol
Concen: 0.388 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:266 Resp: 6882

Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.6	75.8
268	64.0	52.6	79.0



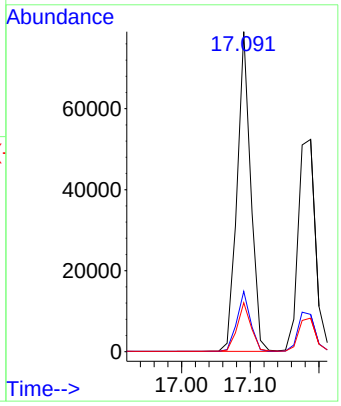
Instrument :
BNA_N
ClientSampleId :
PB139259BS

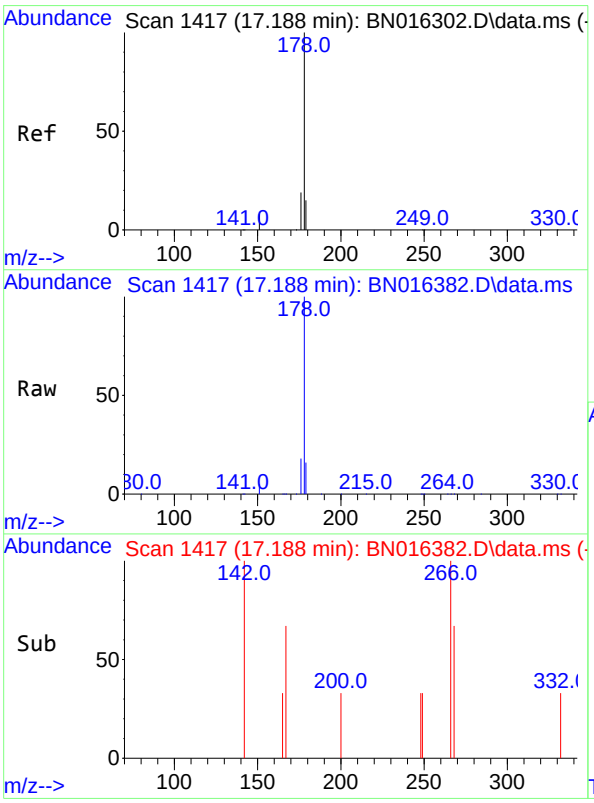


#25
Phenanthrene
Concen: 0.405 ng
RT: 17.090 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:178 Resp: 109056

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.4	21.6
179	15.4	12.2	18.4

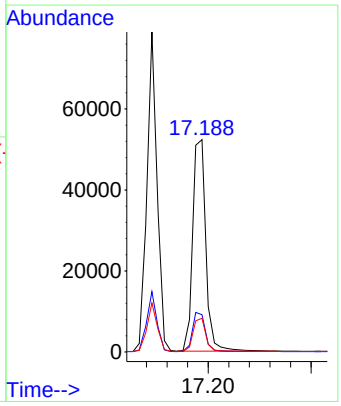




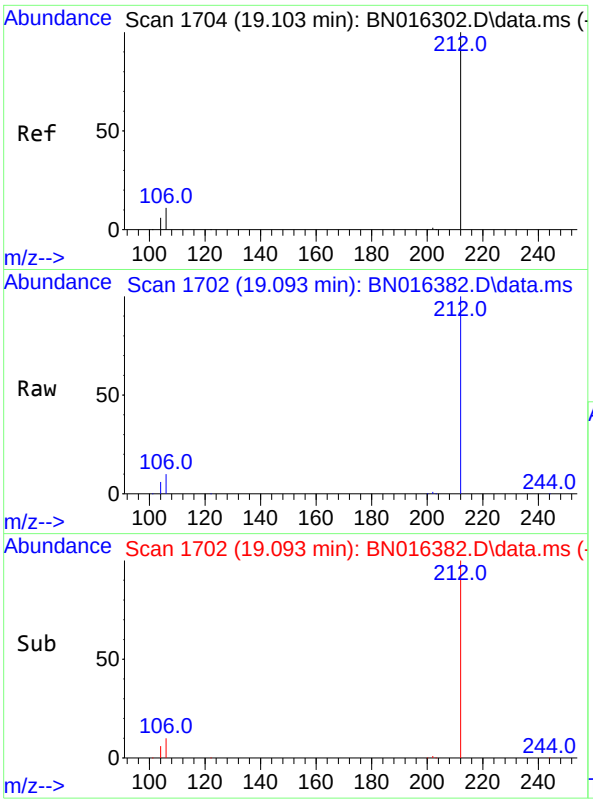
#26
Anthracene
Concen: 0.356 ng
RT: 17.188 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:178 Resp: 92667

Ion	Ratio	Lower	Upper
178	100		
176	18.2	13.9	20.9
179	15.3	12.2	18.4



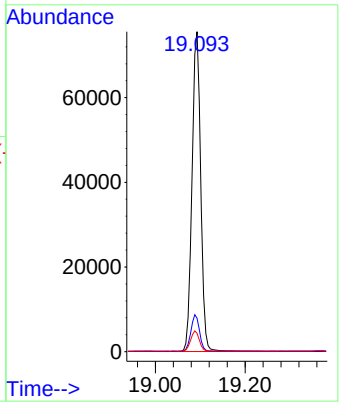
Instrument :
BNA_N
ClientSampleId :
PB139259BS

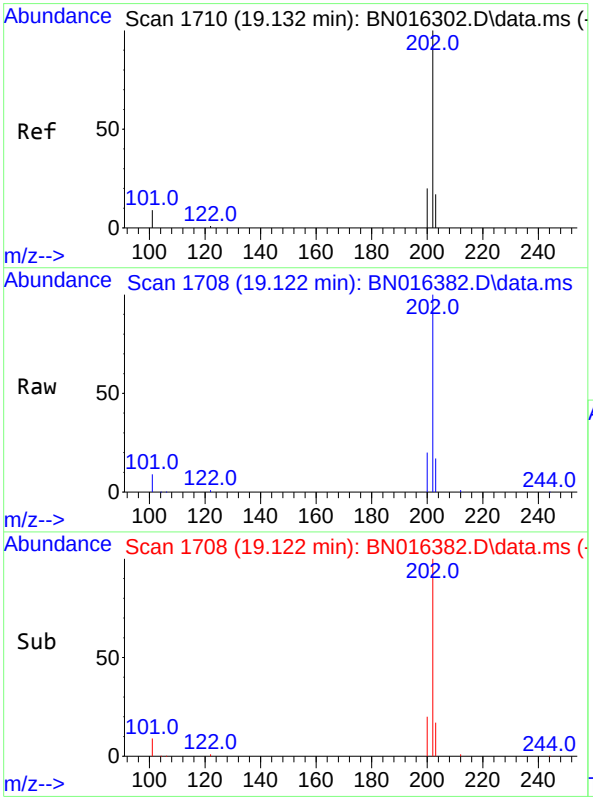


#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.093 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:212 Resp: 101583

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.8	14.6
104	6.3	5.4	8.2

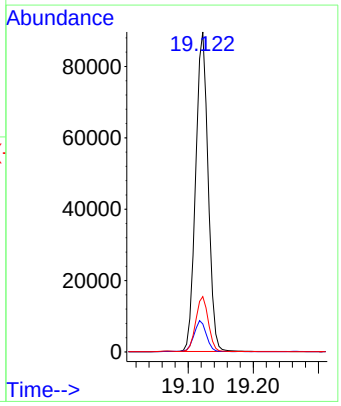




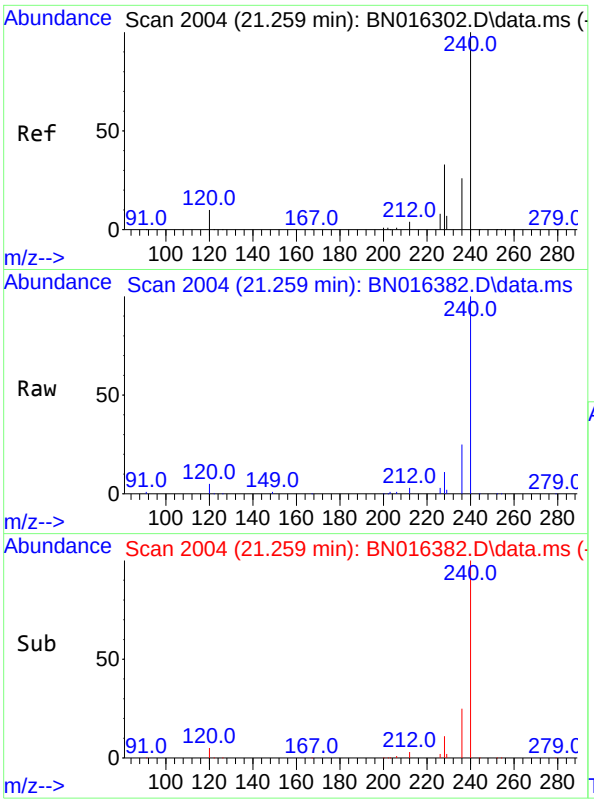
#28
Fluoranthene
Concen: 0.384 ng
RT: 19.122 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:202 Resp: 118975

Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.5	12.7
203	17.3	13.8	20.8



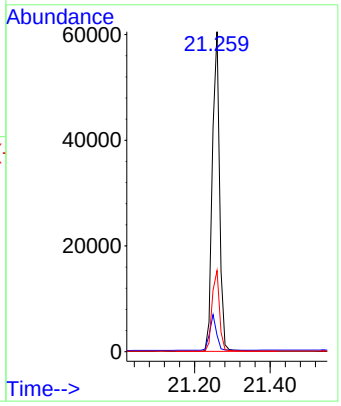
Instrument :
BNA_N
ClientSampleId :
PB139259BS

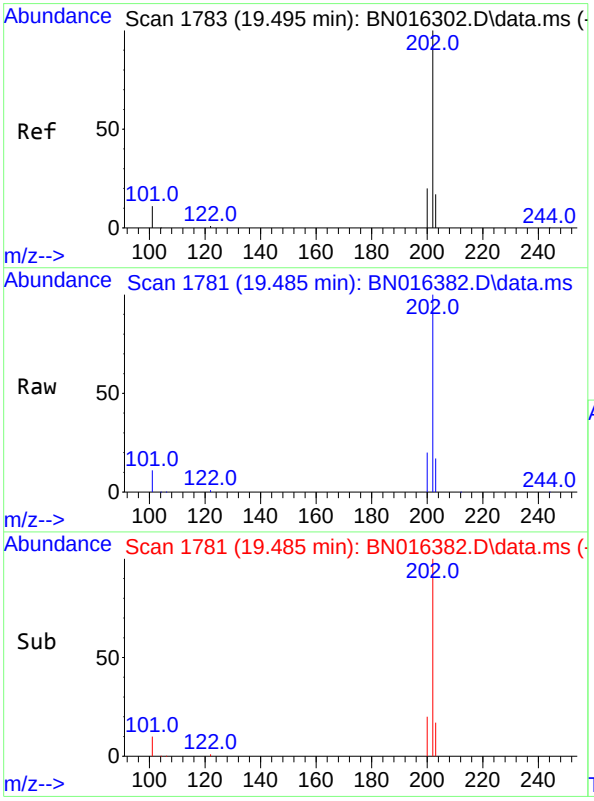


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:240 Resp: 80464

Ion	Ratio	Lower	Upper
240	100		
120	5.2	5.3	7.9#
236	25.4	19.8	29.8

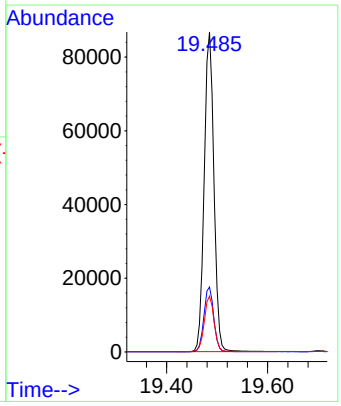




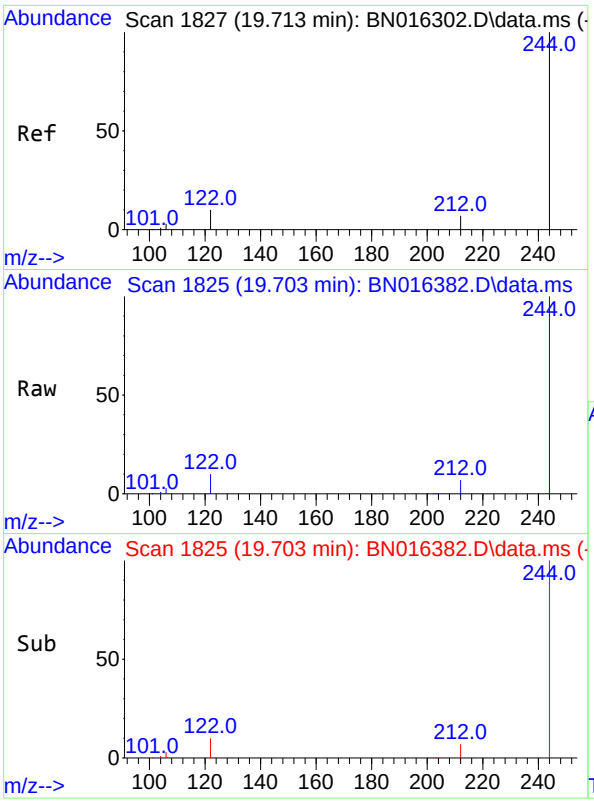
#30
Pyrene
Concen: 0.454 ng
RT: 19.485 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:202 Resp: 115605

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.8	23.6
203	17.5	13.9	20.9



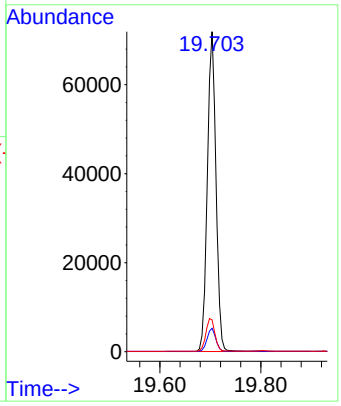
Instrument :
BNA_N
ClientSampleId :
PB139259BS

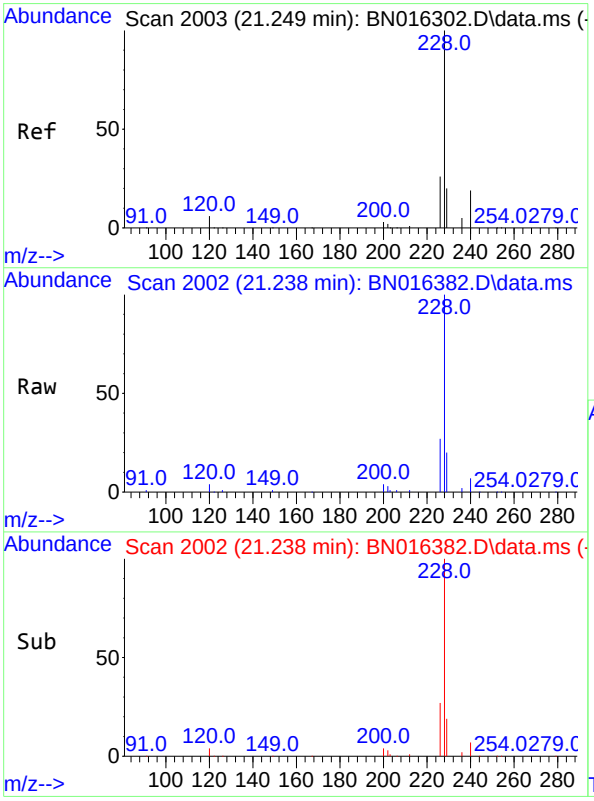


#31
Terphenyl-d14
Concen: 0.456 ng
RT: 19.703 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:244 Resp: 84910

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	9.9	9.0	13.4

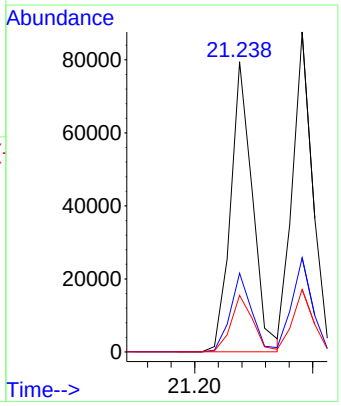




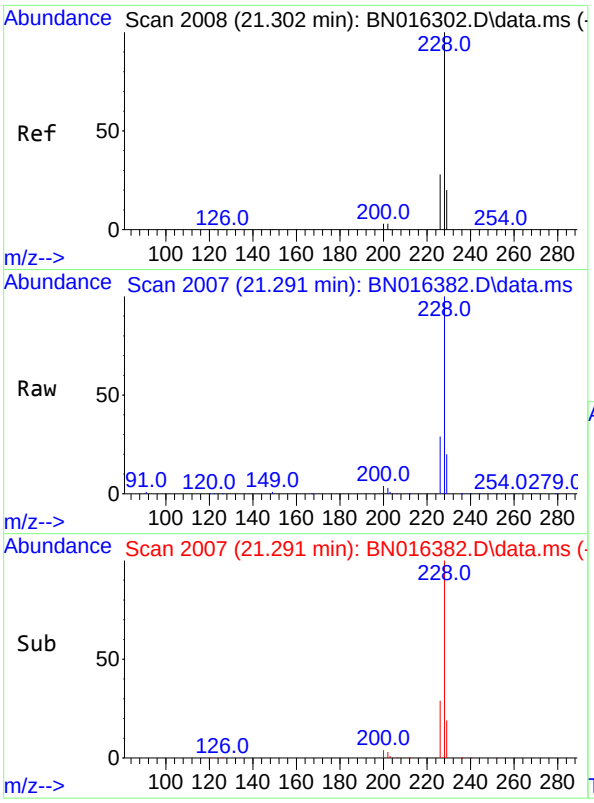
#32
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:228 Resp: 102295

Ion	Ratio	Lower	Upper
228	100		
226	27.1	20.8	31.2
229	19.5	15.8	23.6



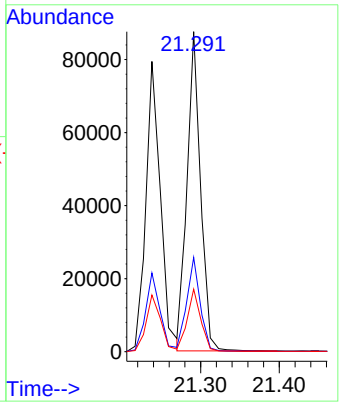
Instrument :
BNA_N
ClientSampleId :
PB139259BS

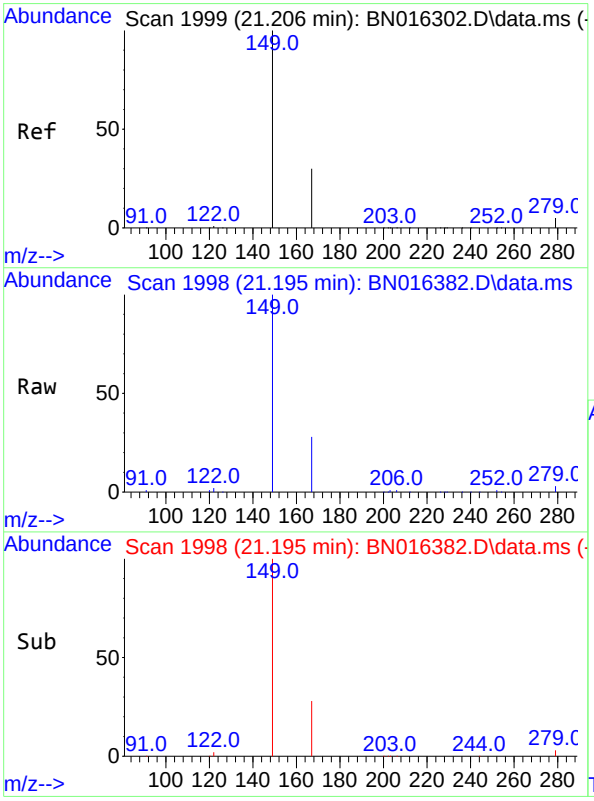


#33
Chrysene
Concen: 0.416 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:228 Resp: 104164

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.4
229	19.6	15.6	23.4

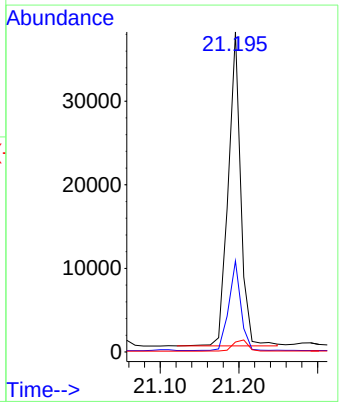




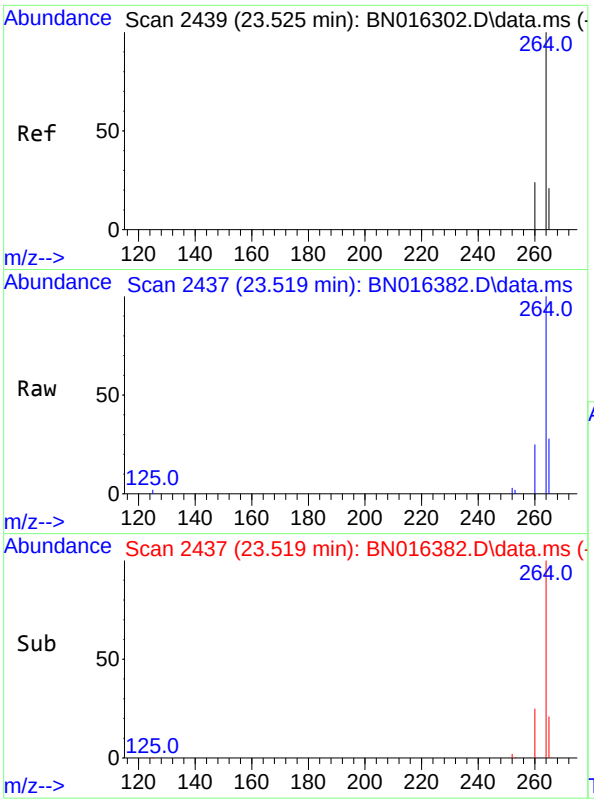
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.297 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:149 Resp: 41361

Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.4	35.0
279	4.2	3.9	5.9



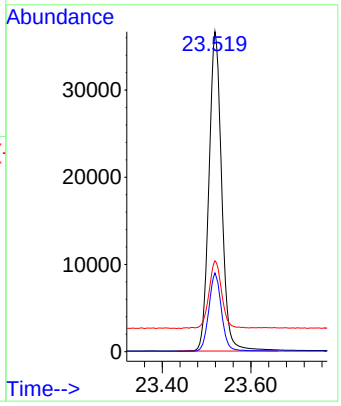
Instrument :
BNA_N
ClientSampleId :
PB139259BS

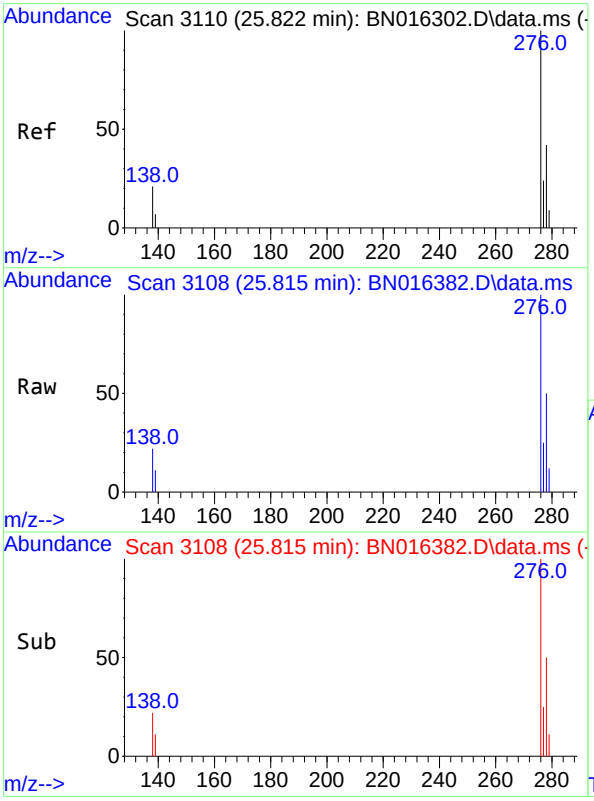


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 2437
Delta R.T. -0.003 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:264 Resp: 72930

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.9	28.3
265	28.4	23.7	35.5

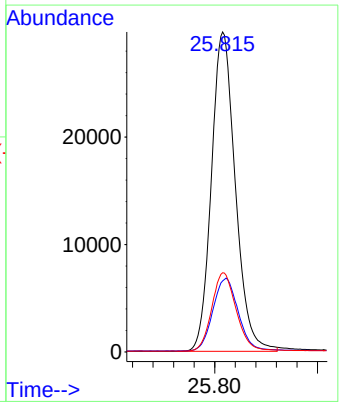




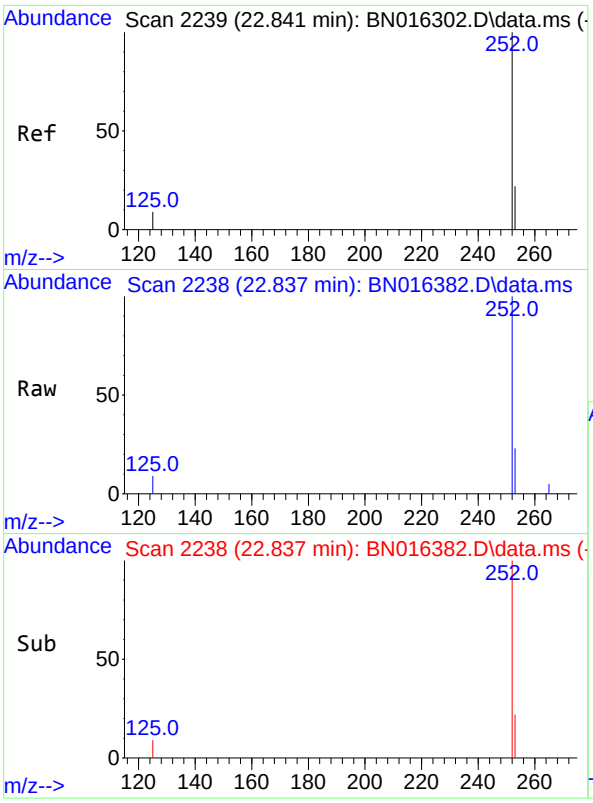
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.408 ng
RT: 25.815 min Scan# 3108
Delta R.T. -0.003 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:276 Resp: 96085

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.3	28.9
277	25.1	20.2	30.2



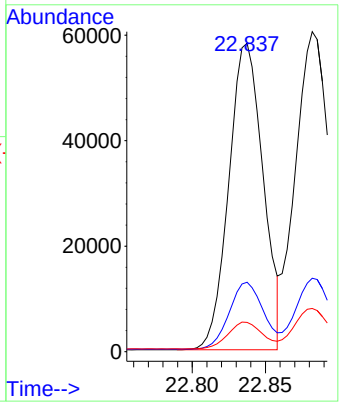
Instrument :
BNA_N
ClientSampleId :
PB139259BS

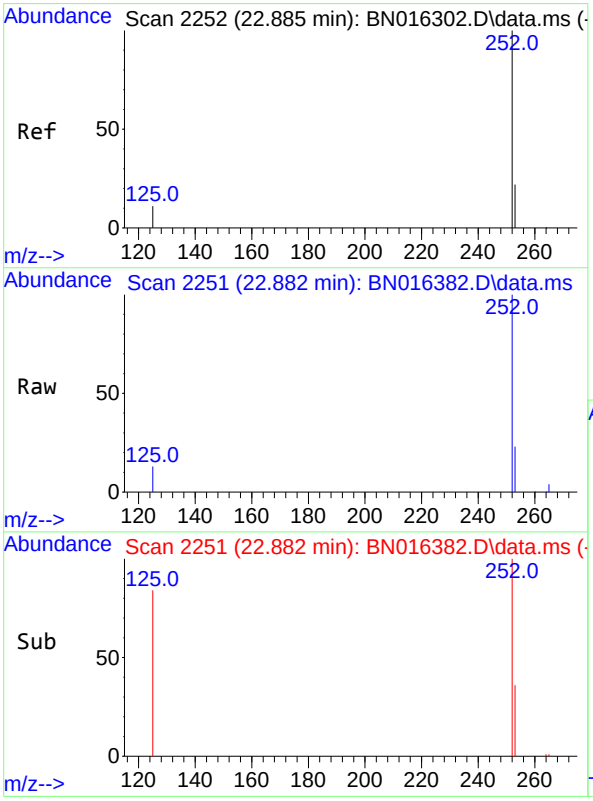


#37
Benzo(b)fluoranthene
Concen: 0.409 ng
RT: 22.837 min Scan# 2238
Delta R.T. -0.003 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:252 Resp: 94833

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	9.5	8.4	12.6

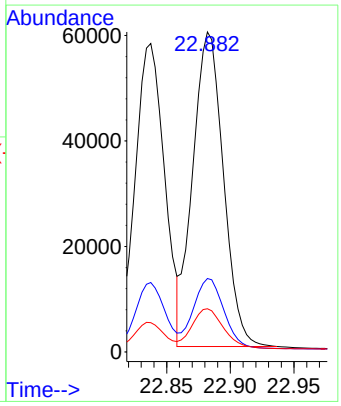




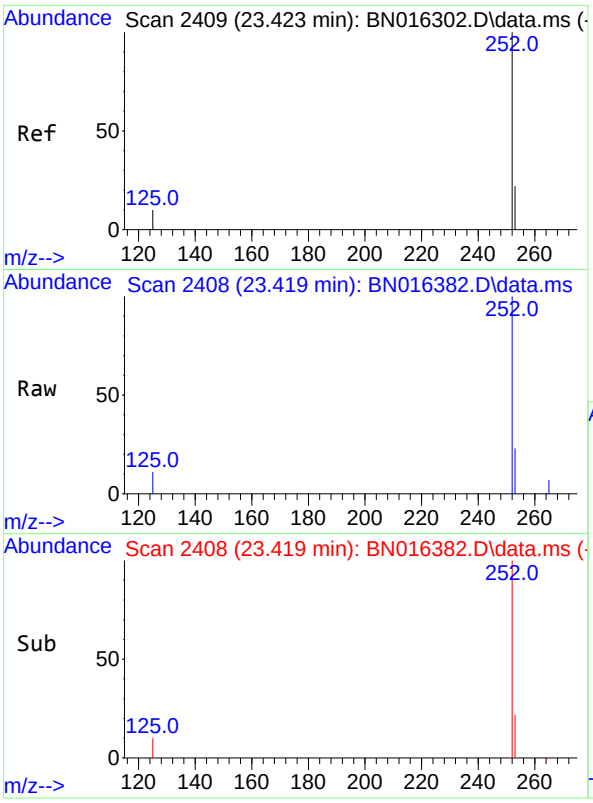
#38
Benzo(k)fluoranthene
Concen: 0.448 ng
RT: 22.882 min Scan# 2251
Delta R.T. -0.003 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:252 Resp: 99752

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	13.5	8.2	12.4#



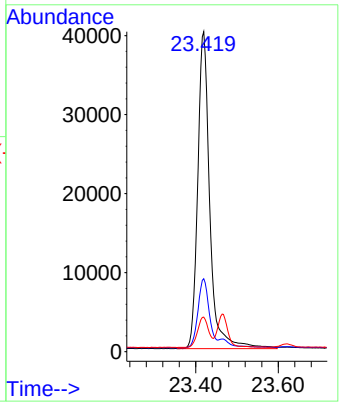
Instrument :
BNA_N
ClientSampleId :
PB139259BS

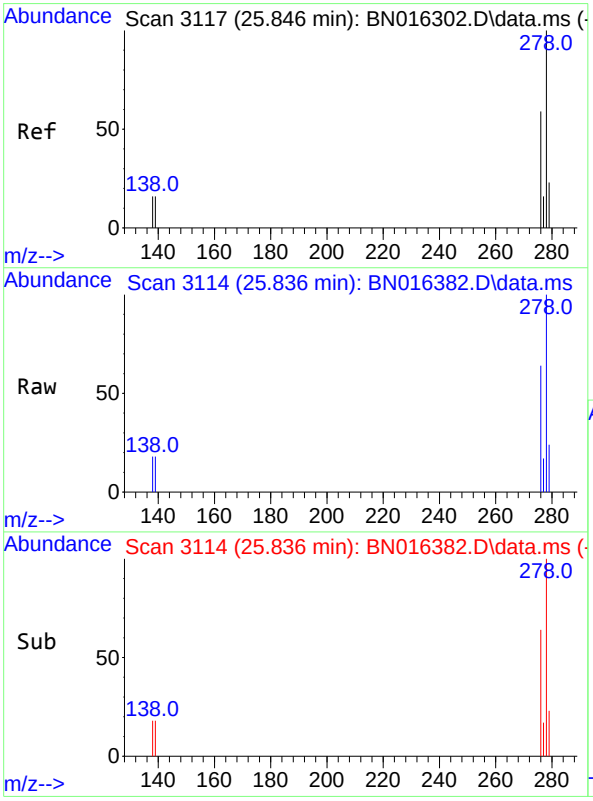


#39
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.419 min Scan# 2408
Delta R.T. -0.003 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:252 Resp: 81521

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	10.8	9.9	14.9

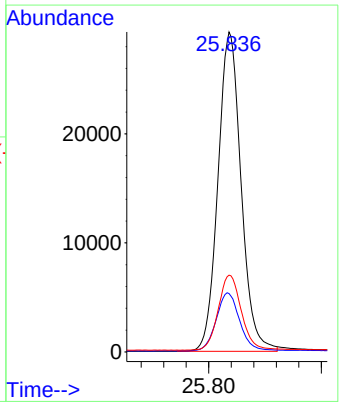


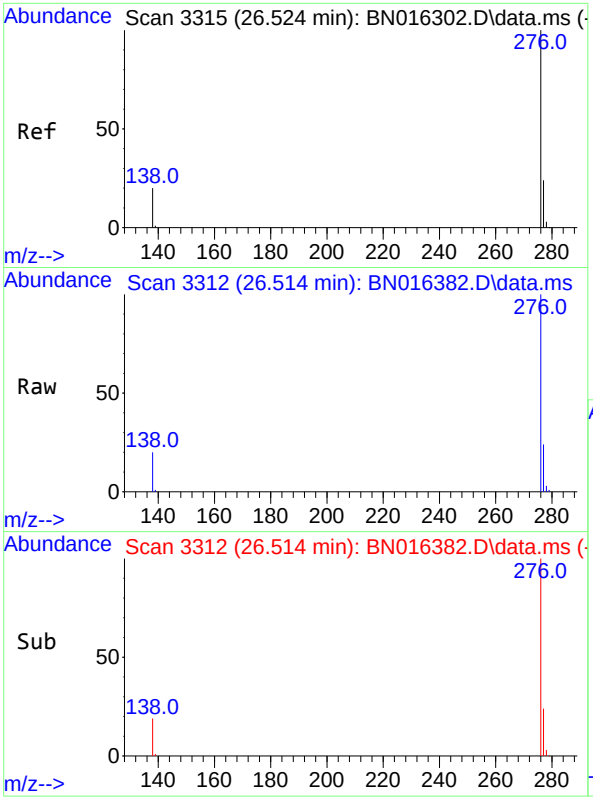


#40
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 25.836 min Scan# 3114
Delta R.T. -0.003 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:278 Resp: 83312

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.2	21.2
279	24.0	21.3	31.9

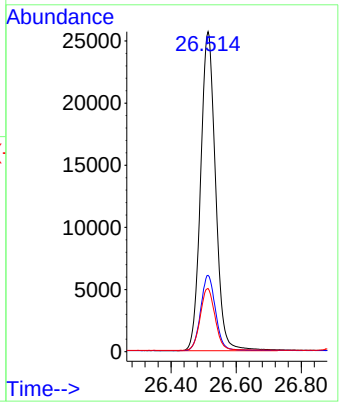




#41
Benzo(g,h,i)perylene
Concen: 0.410 ng
RT: 26.514 min Scan# 3312
Delta R.T. -0.007 min
Lab File: BN016382.D
Acq: 21 Sep 2021 18:31

Tgt Ion:276 Resp: 81572

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.5	30.7
138	19.8	18.2	27.4



Instrument :
BNA_N
ClientSampleId :
PB139259BS