Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092021\
Data File : BN016357.D
Acq On : 21 Sep 2021 00:11
Operator : CG/JU
Sample : PB139121BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139121BS

Quant Time: Sep 21 01:34:54 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 20 11:09:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.679	152	26850	0.400	ng	0.00
7) Naphthalene-d8	10.457	136	115743	0.400	ng	# 0.00
13) Acenaphthene-d10	14.307	164	59347	0.400	ng	0.00
19) Phenanthrene-d10	17.054	188	116398	0.400	ng	0.00
29) Chrysene-d12	21.259	240	124425	0.400	ng	# 0.00
35) Perylene-d12	23.519	264	114714	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	25946	0.385	ng	-0.02
5) Phenol-d6	6.859	99	30169	0.369	ng	0.00
8) Nitrobenzene-d5	8.822	82	32358	0.471	ng	0.00
11) 2-Methylnaphthalene-d10	12.043	152	68945	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.804	330	6836	0.392	ng	0.00
15) 2-Fluorobiphenyl	12.936	172	98626	0.425	ng	0.00
27) Fluoranthene-d10	19.093	212	132761	0.394	ng	0.00
31) Terphenyl-d14	19.703	244	115049	0.399	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	4988	0.447	ng	# 86
3) n-Nitrosodimethylamine	3.622	42	11498	0.450	ng	# 72
6) bis(2-Chloroethyl)ether	7.126	93	31068	0.427	ng	94
9) Naphthalene	10.495	128	125535	0.403	ng	99
10) Hexachlorobutadiene	10.787	225	23948	0.404	ng	# 99
12) 2-Methylnaphthalene	12.118	142	81004	0.392	ng	98
16) Acenaphthylene	14.028	152	94208	0.341	ng	99
17) Acenaphthene	14.370	154	67534	0.394	ng	99
18) Fluorene	15.360	166	83652	0.394	ng	99
20) 4,6-Dinitro-2-methylph...	15.436	198	2042	0.480	ng	# 68
21) 4-Bromophenyl-phenylether	16.263	248	26032	0.382	ng	# 94
22) Hexachlorobenzene	16.360	284	26534	0.413	ng	# 91
23) Atrazine	16.531	200	17630	0.283	ng	# 92
24) Pentachlorophenol	16.713	266	8707	0.402	ng	99
25) Phenanthrene	17.090	178	134441	0.409	ng	99
26) Anthracene	17.188	178	113359	0.356	ng	99
28) Fluoranthene	19.127	202	158017	0.417	ng	99
30) Pyrene	19.490	202	157637	0.401	ng	99
32) Benzo(a)anthracene	21.238	228	161480	0.404	ng	99
33) Chrysene	21.291	228	164144	0.424	ng	99
34) Bis(2-ethylhexyl)phtha...	21.195	149	52031	0.241	ng	98
36) Indeno(1,2,3-cd)pyrene	25.812	276	134916	0.364	ng	100
37) Benzo(b)fluoranthene	22.834	252	162404	0.446	ng	98
38) Benzo(k)fluoranthene	22.878	252	161908	0.462	ng	# 97
39) Benzo(a)pyrene	23.416	252	135549	0.411	ng	97
40) Dibenzo(a,h)anthracene	25.832	278	116239	0.370	ng	96
41) Benzo(g,h,i)perylene	26.510	276	107171	0.342	ng	95

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

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Instrument :
BNA_N
ClientSampleId :
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Quant Time: Sep 21 01:34:54 2021
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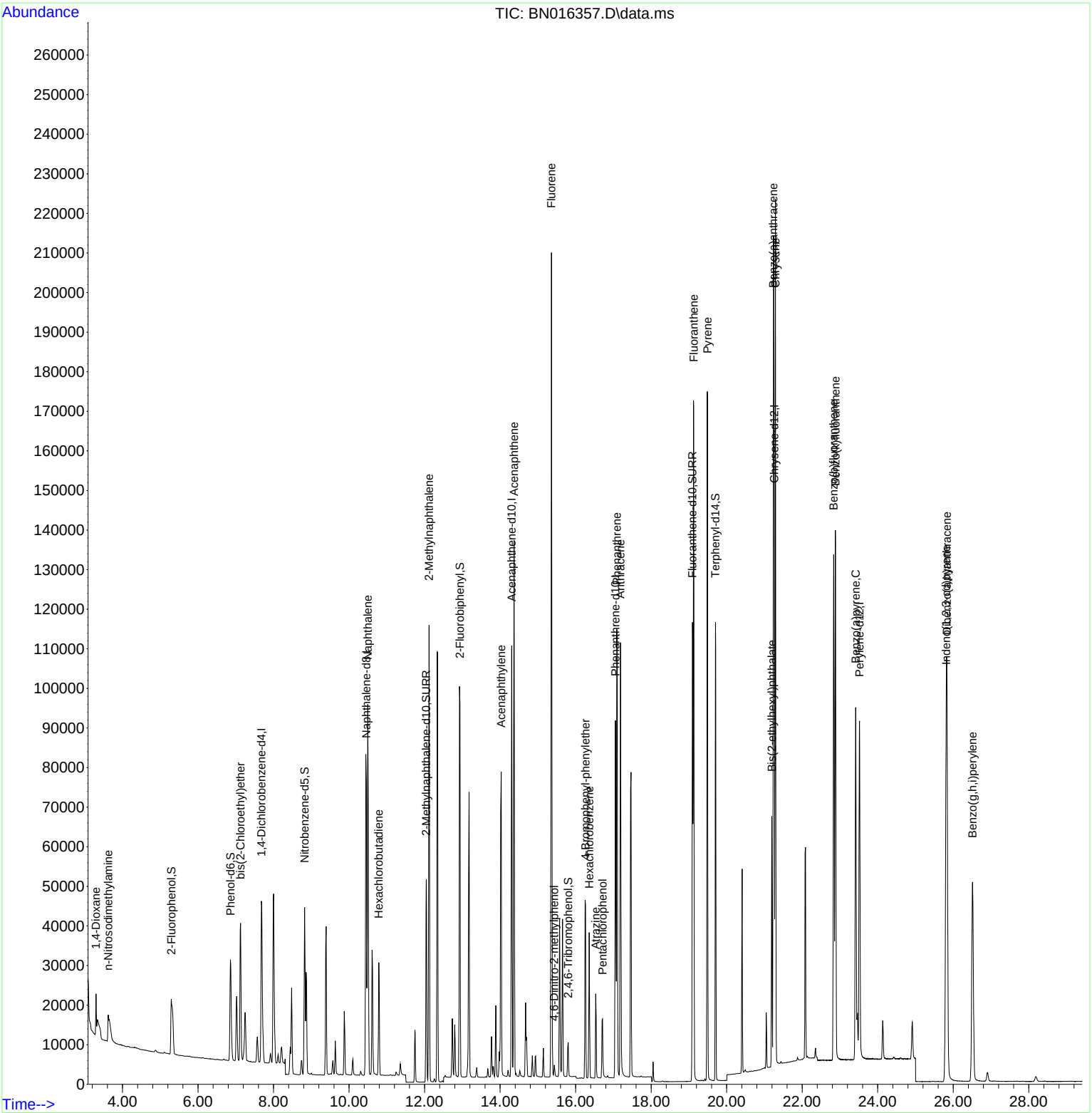
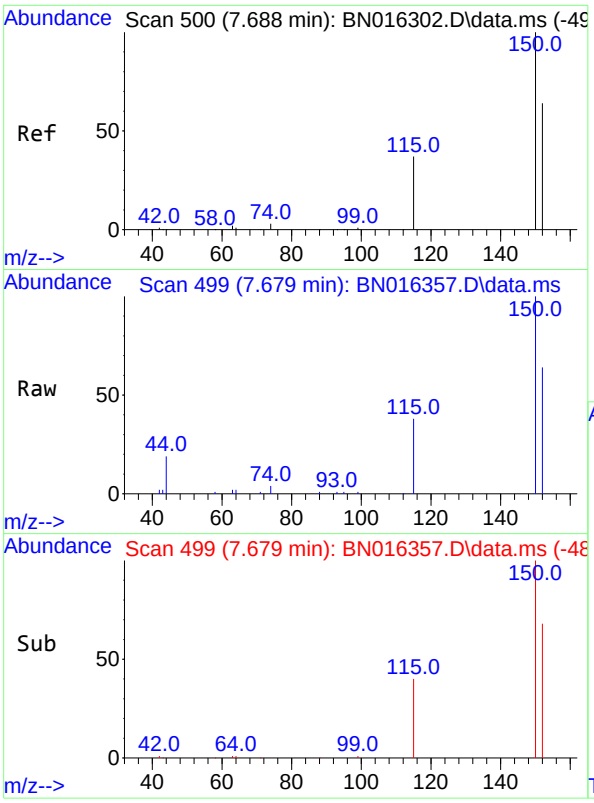
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 20 11:09:23 2021
Response via : Initial Calibration

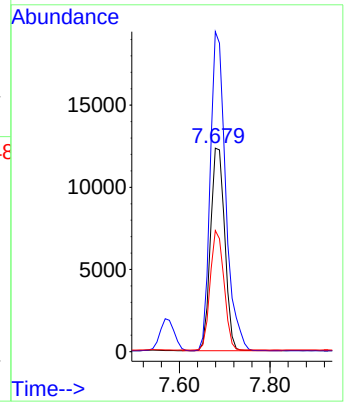




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.679 min Scan# 499
Delta R.T. -0.009 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:152 Resp: 26850

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.6	188.4
115	59.5	50.2	75.2



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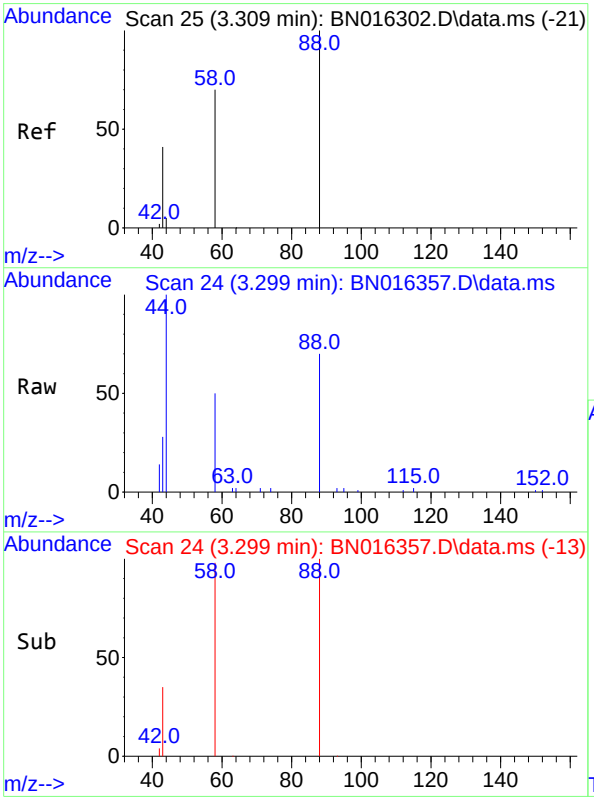
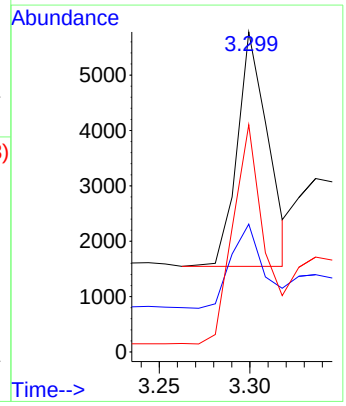


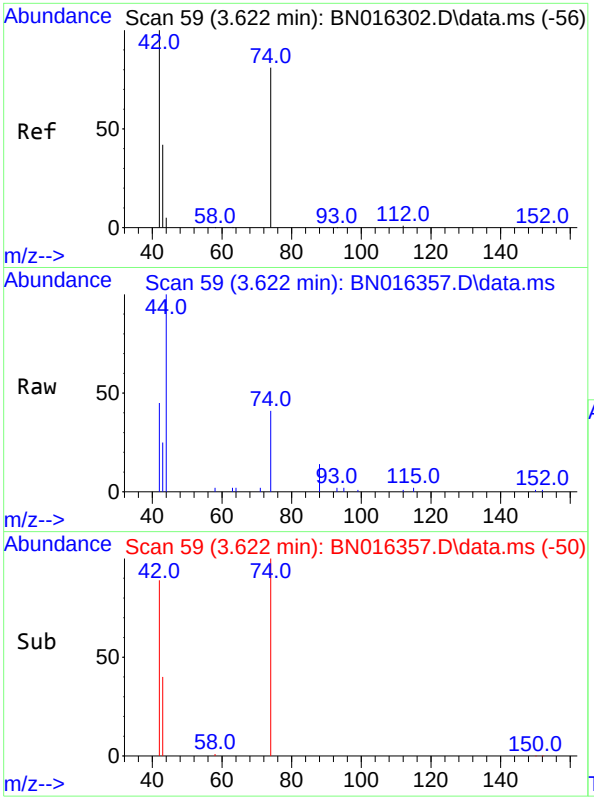
#2
1,4-Dioxane
Concen: 0.447 ng
RT: 3.299 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion: 88 Resp: 4988

Ion	Ratio	Lower	Upper
88	100		
43	38.9	20.3	30.5#
58	96.9	69.9	104.9



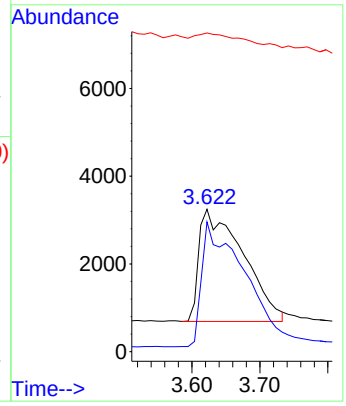
Instrument :
BNA_N
ClientSampleId :
PB139121BS

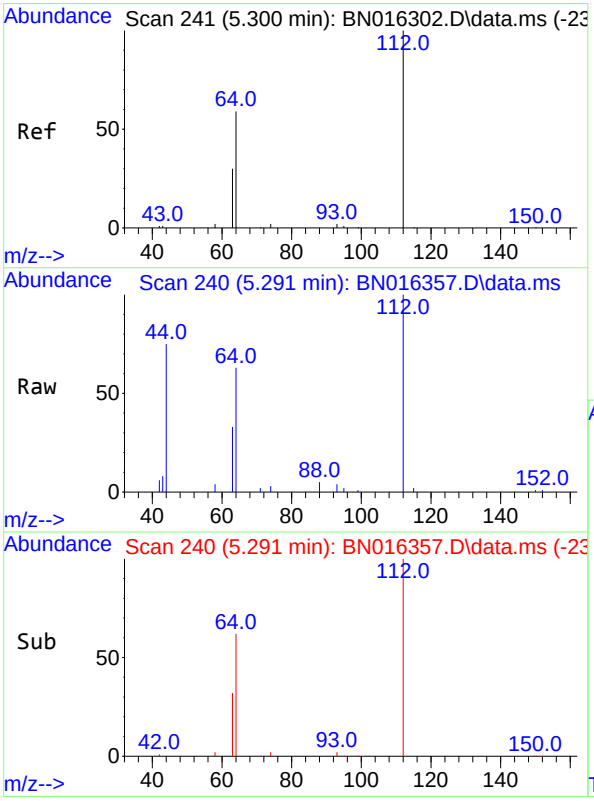


#3
n-Nitrosodimethylamine
Concen: 0.450 ng
RT: 3.622 min Scan# 59
Delta R.T. -0.018 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion: 42 Resp: 11498

Ion	Ratio	Lower	Upper
42	100		
74	107.1	113.6	170.4#
44	13.7	0.0	0.0#

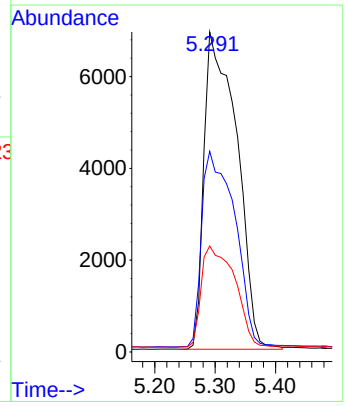




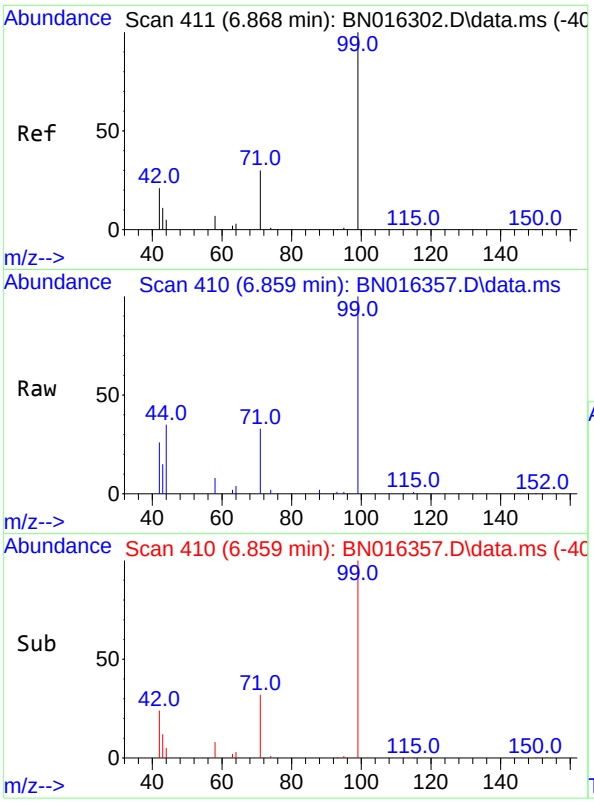
#4
2-Fluorophenol
Concen: 0.385 ng
RT: 5.291 min Scan# 240
Delta R.T. -0.018 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:112 Resp: 25946

Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.3	70.9
63	32.8	23.4	35.0



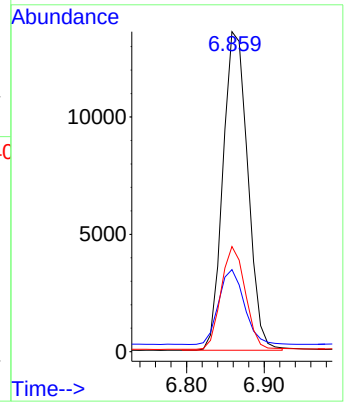
Instrument :
BNA_N
ClientSampleId :
PB139121BS

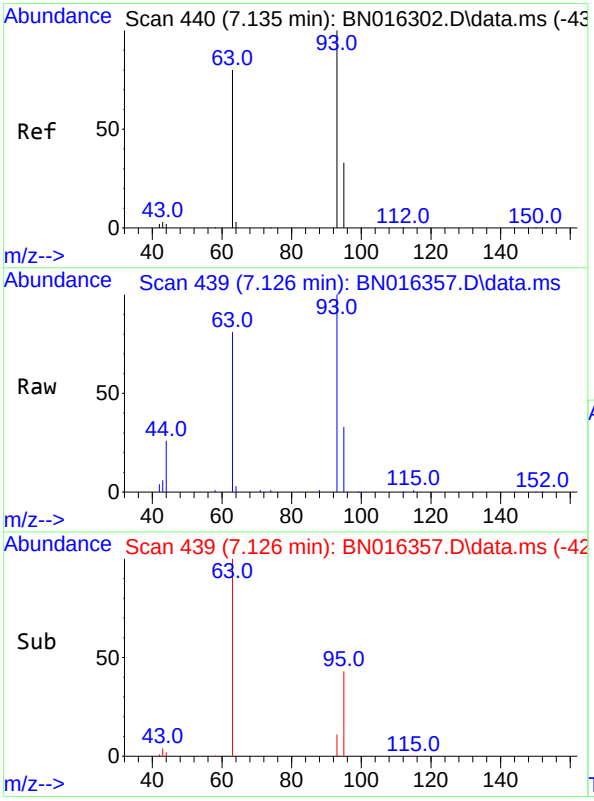


#5
Phenol-d6
Concen: 0.369 ng
RT: 6.859 min Scan# 410
Delta R.T. -0.009 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion: 99 Resp: 30169

Ion	Ratio	Lower	Upper
99	100		
42	24.2	14.0	21.0#
71	31.4	23.8	35.6

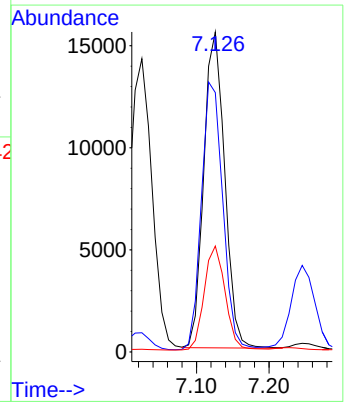




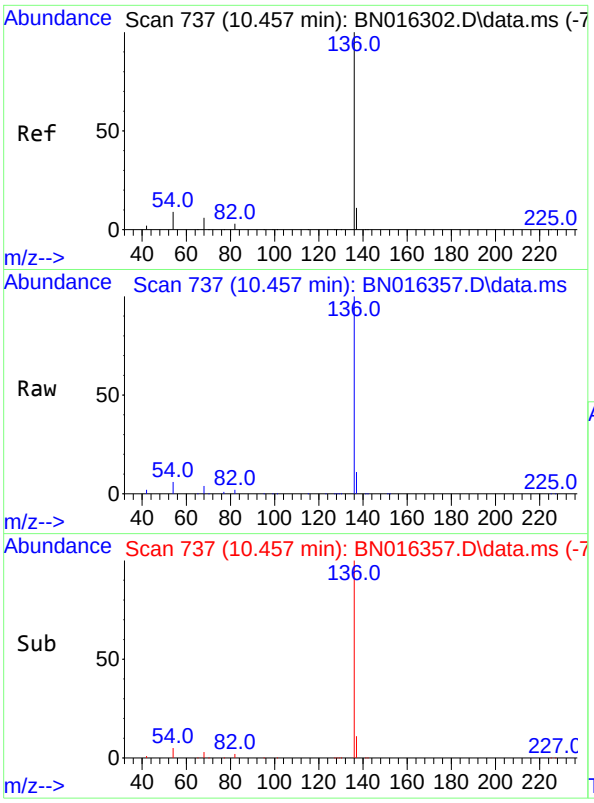
#6
bis(2-Chloroethyl)ether
Concen: 0.427 ng
RT: 7.126 min Scan# 439
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion: 93 Resp: 31068

Ion	Ratio	Lower	Upper
93	100		
63	86.6	63.4	95.0
95	33.0	26.8	40.2



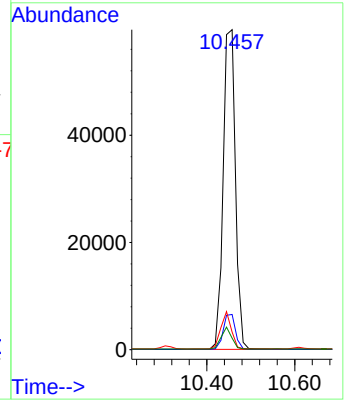
Instrument :
BNA_N
ClientSampleId :
PB139121BS

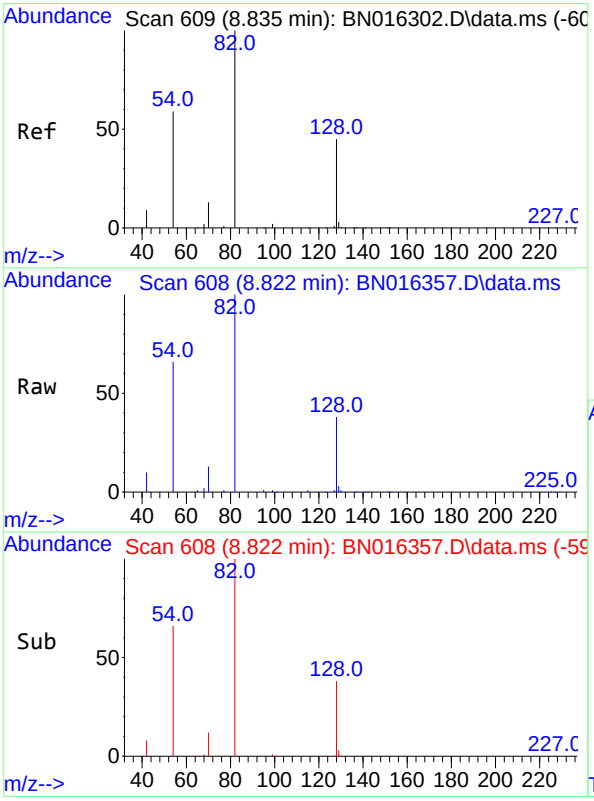


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:136 Resp: 115743

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	5.5	5.3	7.9
68	3.6	3.9	5.9#

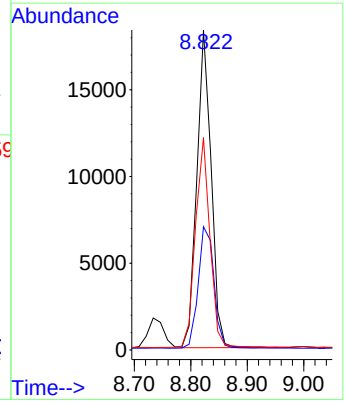




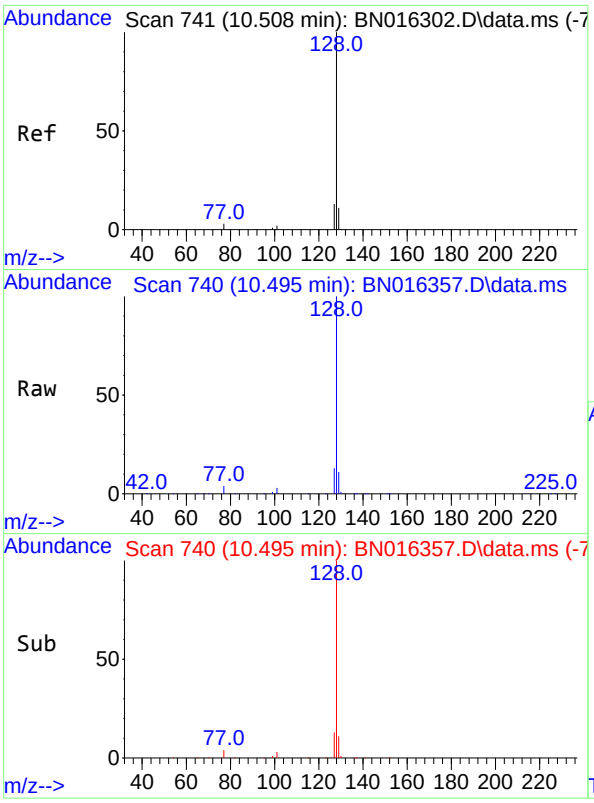
#8
Nitrobenzene-d5
Concen: 0.471 ng
RT: 8.822 min Scan# 608
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion: 82 Resp: 32358

Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.7	47.5
54	66.3	46.4	69.6



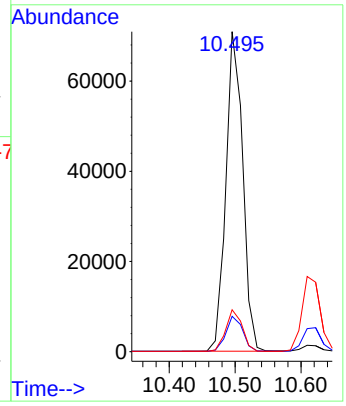
Instrument :
BNA_N
ClientSampleId :
PB139121BS

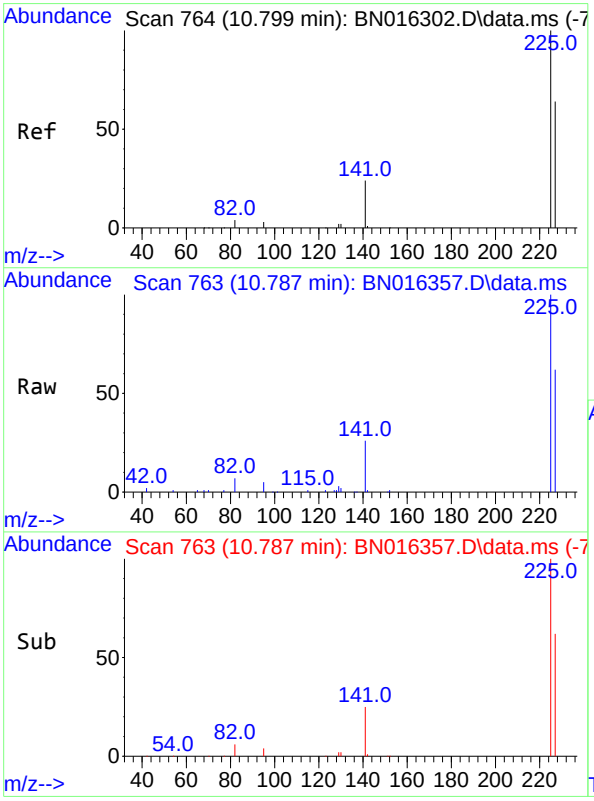


#9
Naphthalene
Concen: 0.403 ng
RT: 10.495 min Scan# 740
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:128 Resp: 125535

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.1	10.1	15.1

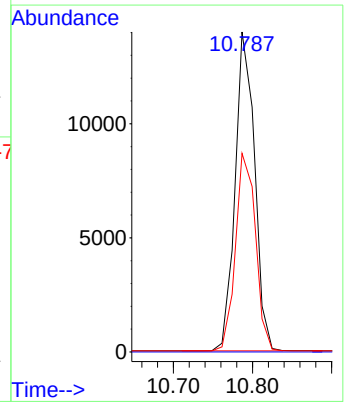




#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:225 Resp: 23948

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.5	77.3



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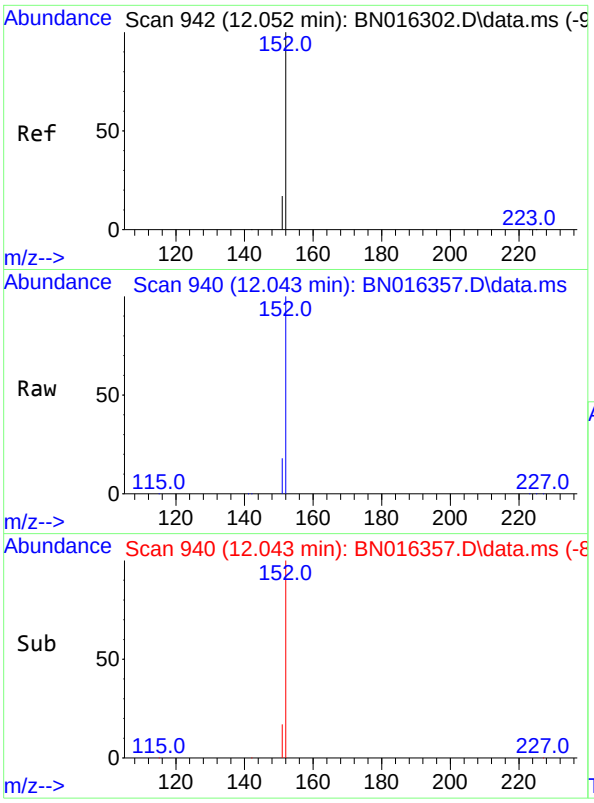
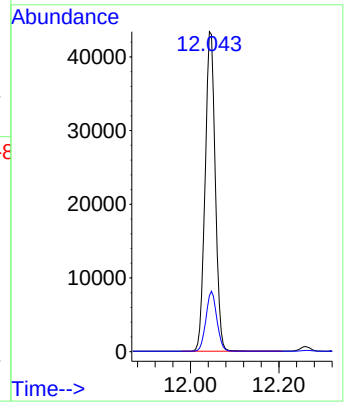
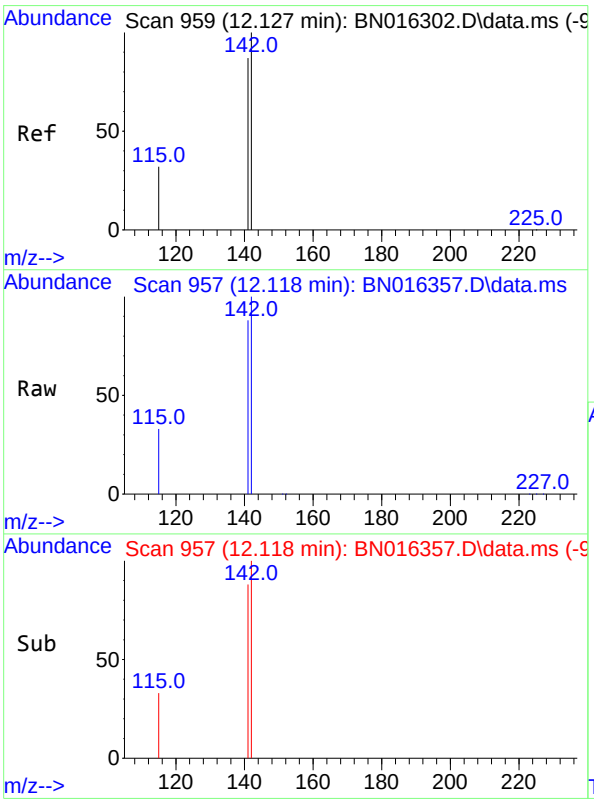


#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 12.043 min Scan# 940
Delta R.T. -0.004 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:152 Resp: 68945

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1

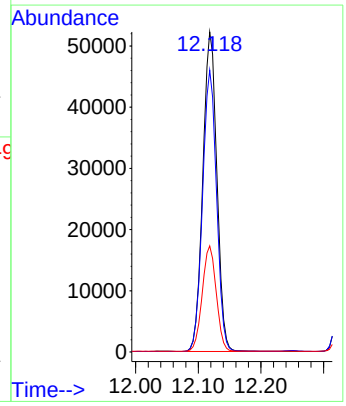




#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.118 min Scan# 957
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:142 Resp: 81004

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.8	104.8
115	33.2	24.4	36.6



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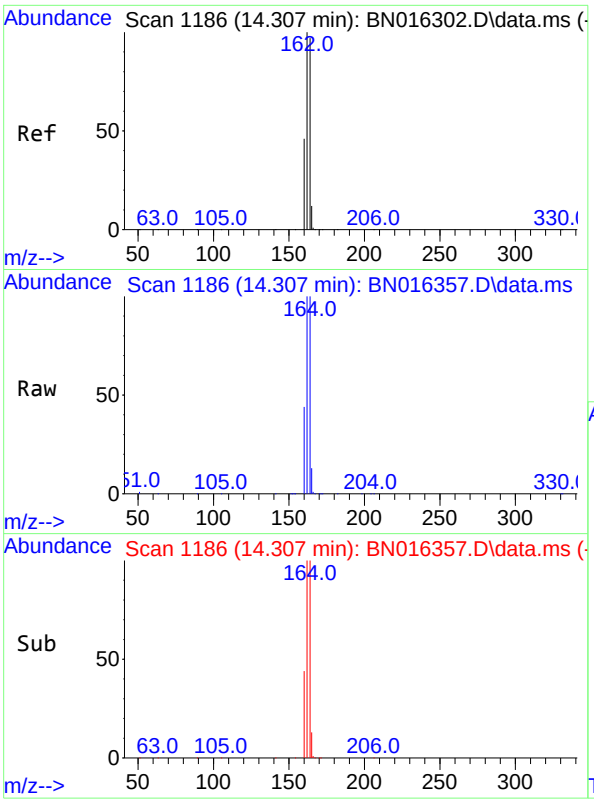
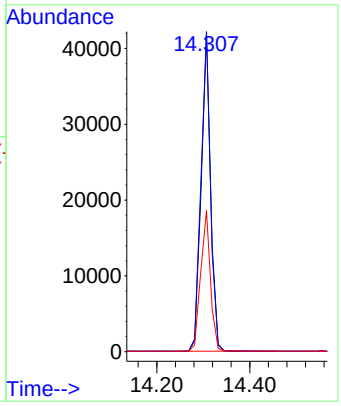
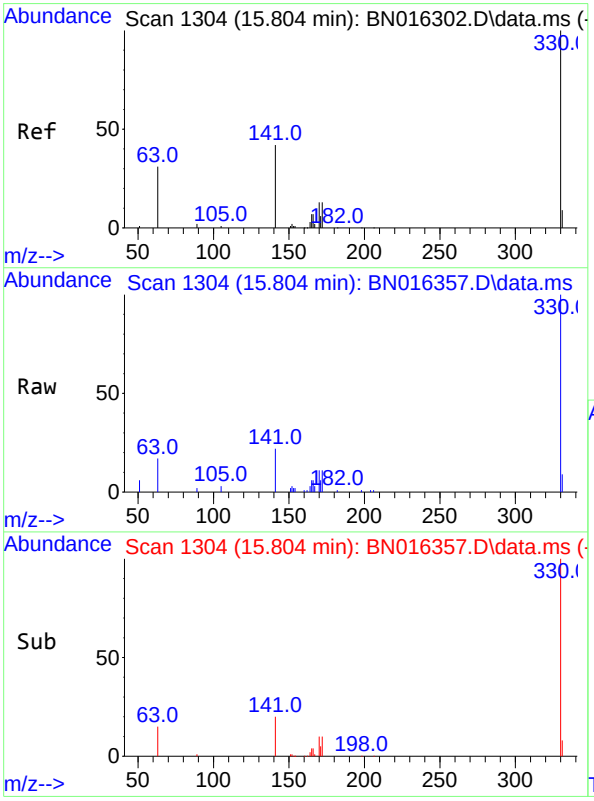


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:164 Resp: 59347

Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.0	118.4
160	44.2	34.1	51.1

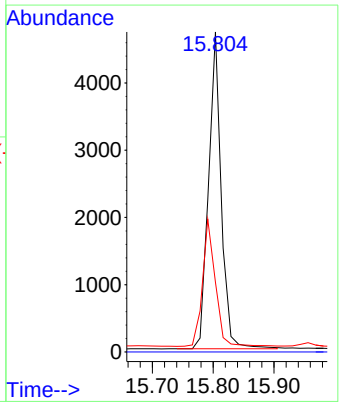




#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 15.804 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:330 Resp: 6836

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.5	25.0	37.4#



Instrument :
BNA_N
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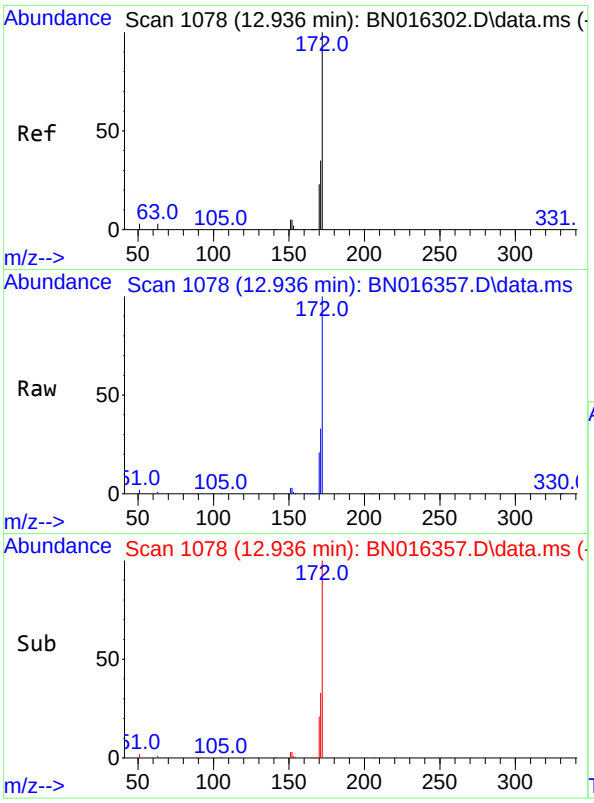
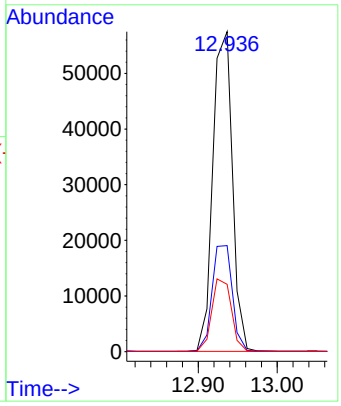
PB139121BS

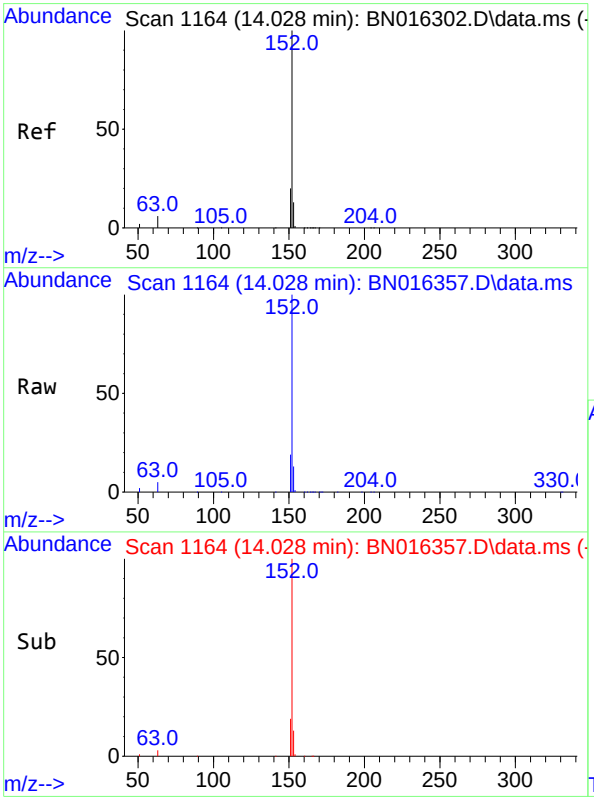


#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.936 min Scan# 1078
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:172 Resp: 98626

Ion	Ratio	Lower	Upper
172	100		
171	33.2	27.8	41.6
170	21.1	18.2	27.2

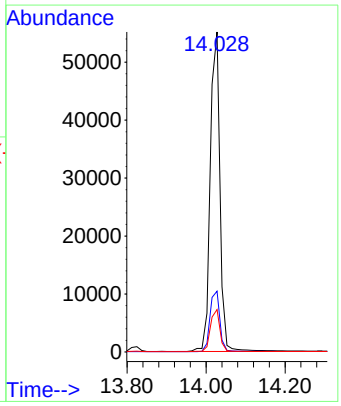




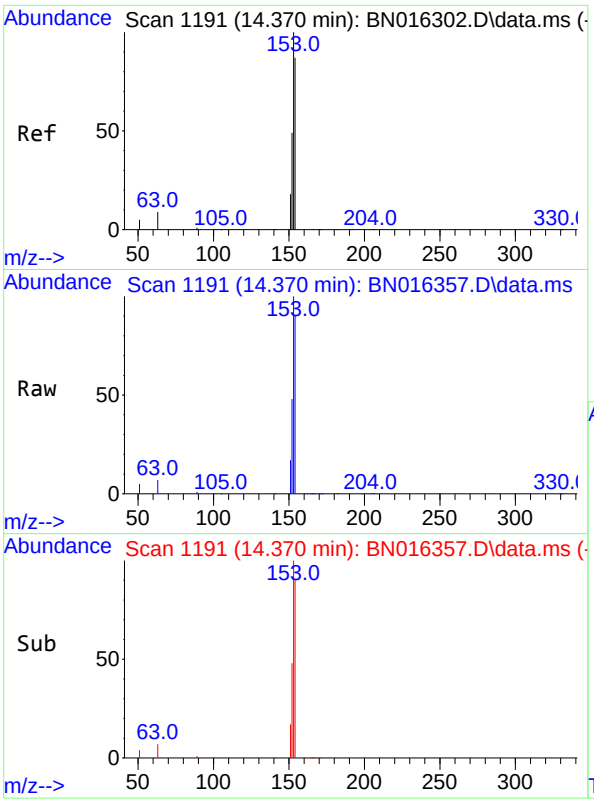
#16
Acenaphthylene
Concen: 0.341 ng
RT: 14.028 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:152 Resp: 94208

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.2	22.8
153	13.0	10.5	15.7



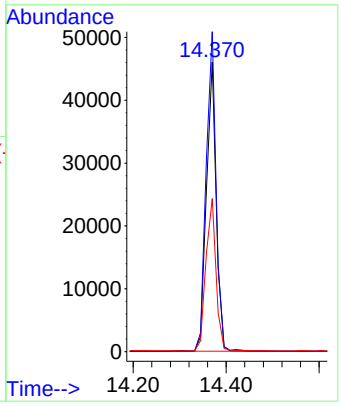
Instrument :
BNA_N
ClientSampleId :
PB139121BS

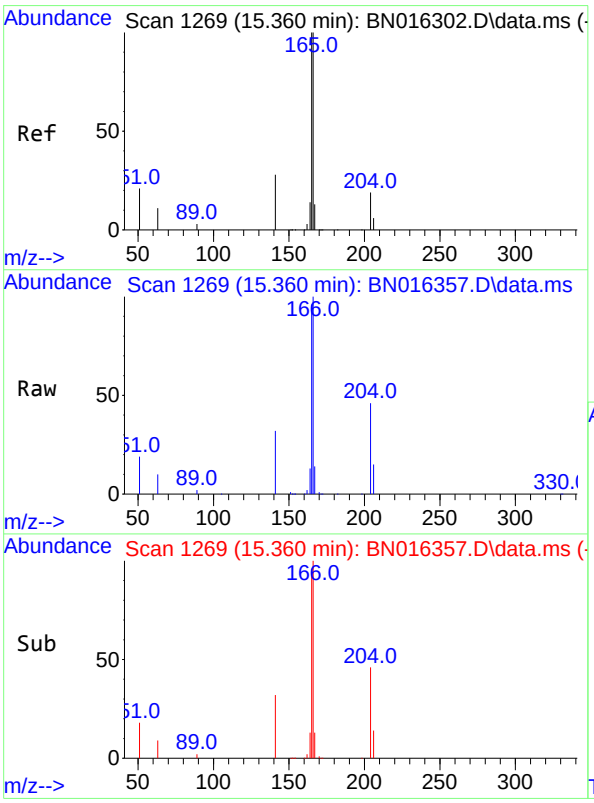


#17
Acenaphthene
Concen: 0.394 ng
RT: 14.370 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:154 Resp: 67534

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.3	133.9
152	54.5	42.2	63.4

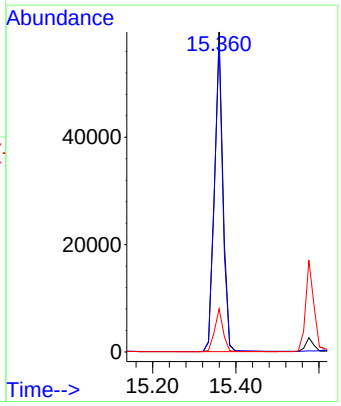




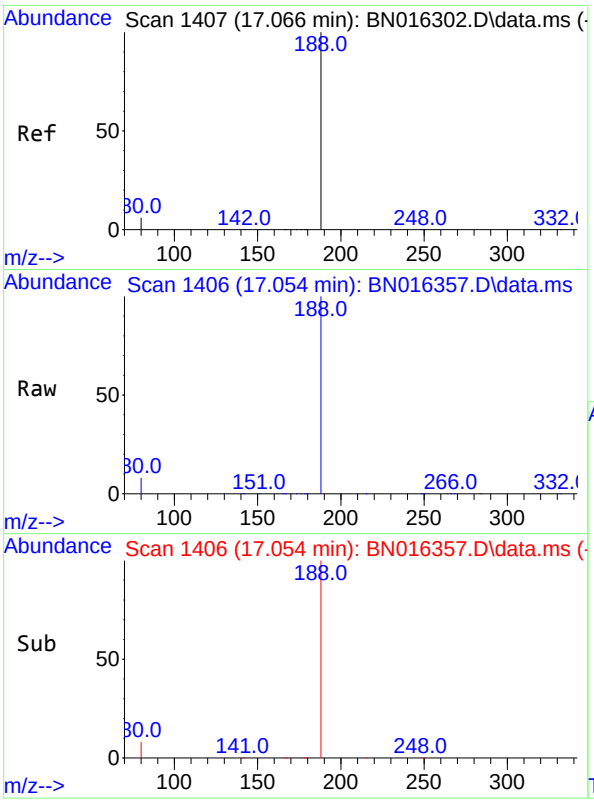
#18
Fluorene
Concen: 0.394 ng
RT: 15.360 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:166 Resp: 83652

Ion	Ratio	Lower	Upper
166	100		
165	97.1	76.7	115.1
167	13.5	10.9	16.3



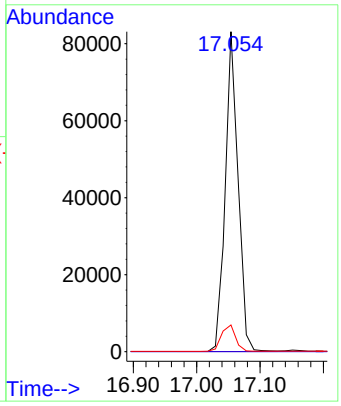
Instrument :
BNA_N
ClientSampleId :
PB139121BS

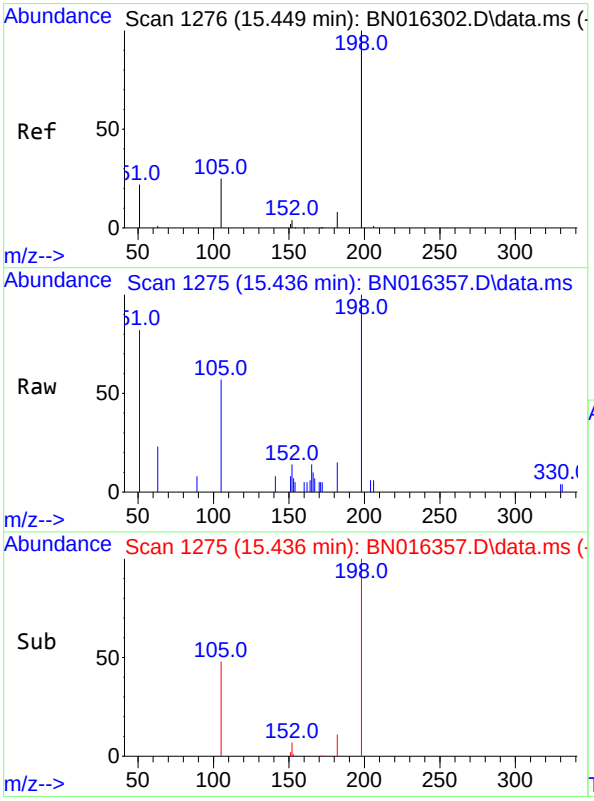


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:188 Resp: 116398

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	7.0	10.6

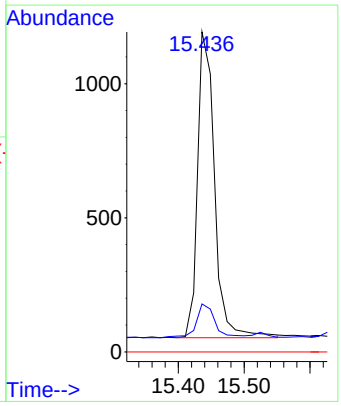




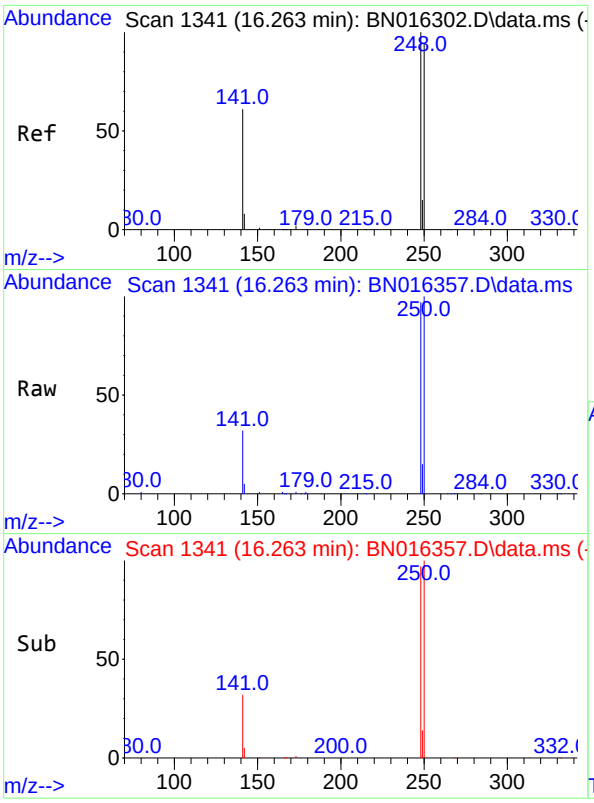
#20
4,6-Dinitro-2-methylphenol
Concen: 0.480 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:198 Resp: 2042

Ion	Ratio	Lower	Upper
198	100		
182	15.0	26.6	39.8#
77	0.0	0.0	0.0



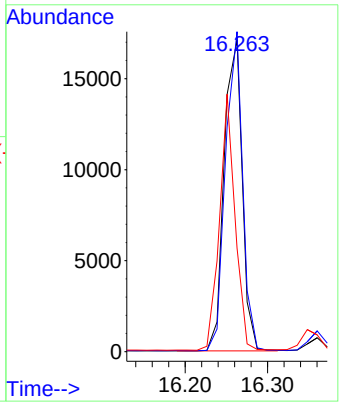
Instrument :
BNA_N
ClientSampleId :
PB139121BS

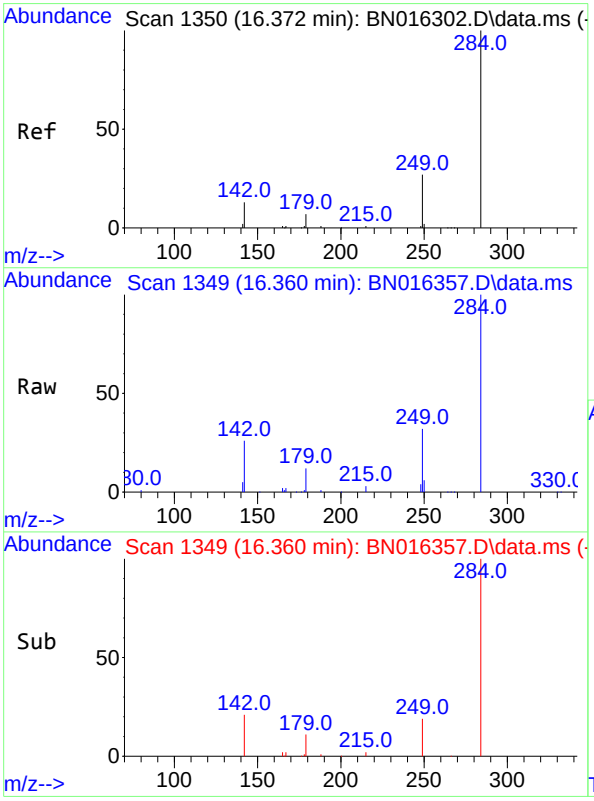


#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.263 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:248 Resp: 26032

Ion	Ratio	Lower	Upper
248	100		
250	102.7	80.5	120.7
141	33.3	34.8	52.2#

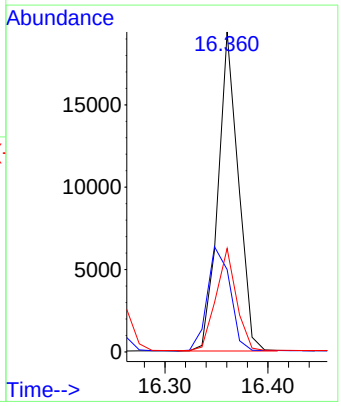




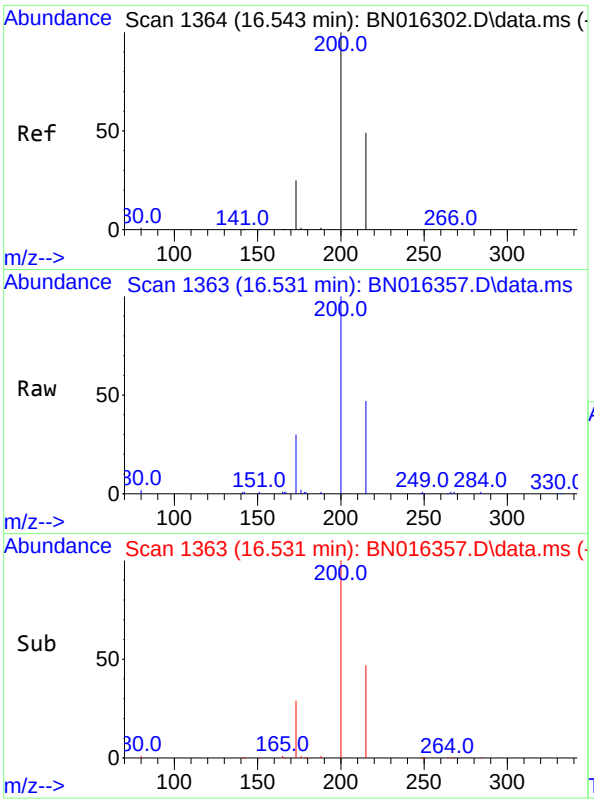
#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.360 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:284 Resp: 26534

Ion	Ratio	Lower	Upper
284	100		
142	36.6	22.6	34.0#
249	32.1	24.4	36.6



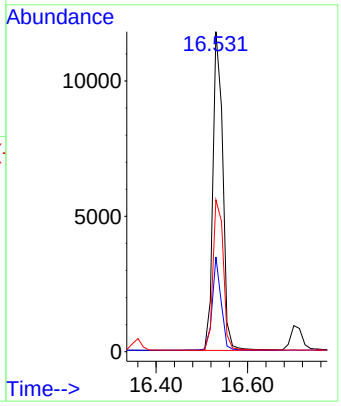
Instrument :
BNA_N
ClientSampleId :
PB139121BS

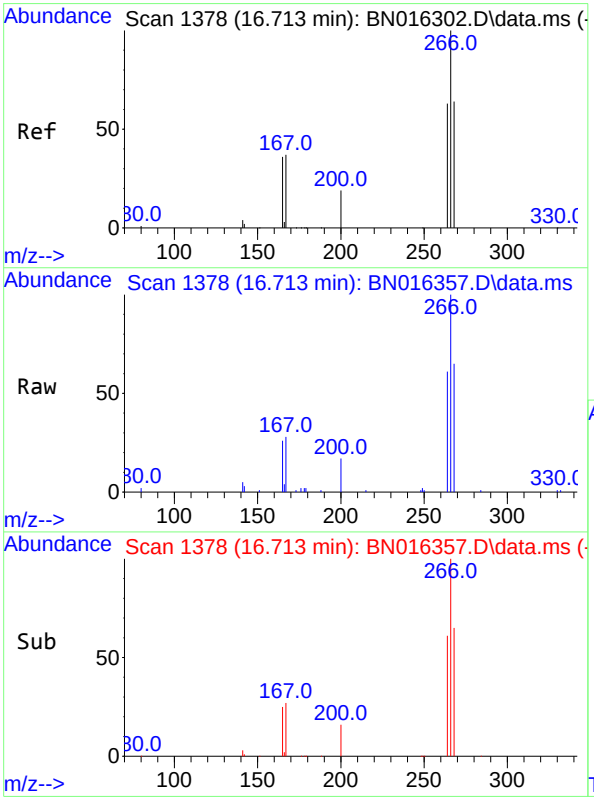


#23
Atrazine
Concen: 0.283 ng
RT: 16.531 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:200 Resp: 17630

Ion	Ratio	Lower	Upper
200	100		
173	29.6	18.7	28.1#
215	47.5	41.6	62.4

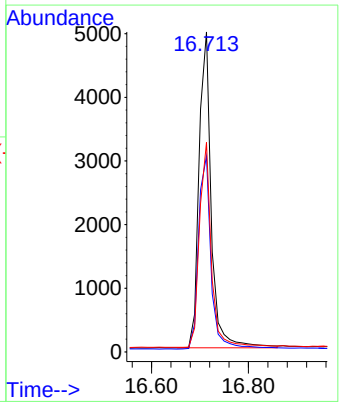




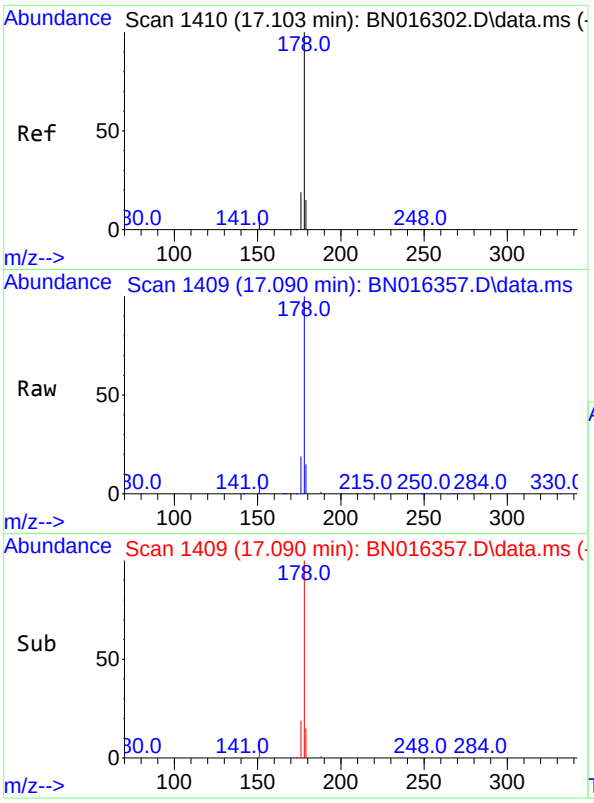
#24
Pentachlorophenol
Concen: 0.402 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:266 Resp: 8707

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.6	75.8
268	63.7	52.6	79.0



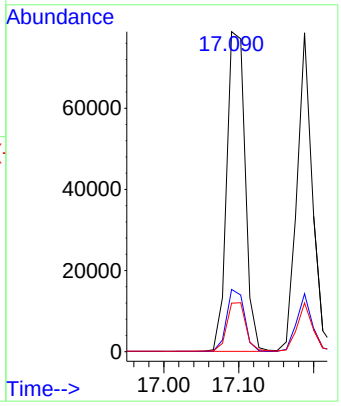
Instrument :
BNA_N
ClientSampleId :
PB139121BS

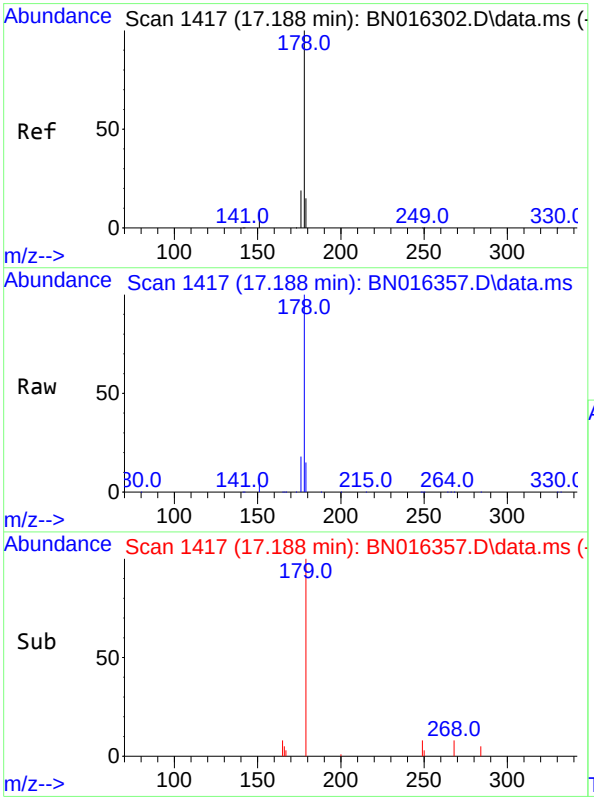


#25
Phenanthrene
Concen: 0.409 ng
RT: 17.090 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:178 Resp: 134441

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.4	21.6
179	15.6	12.2	18.4

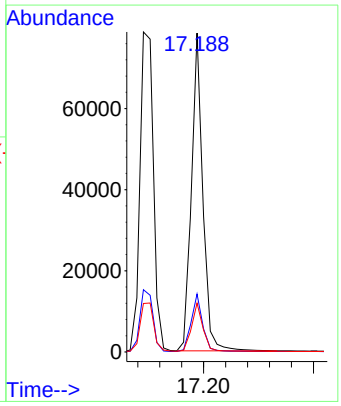




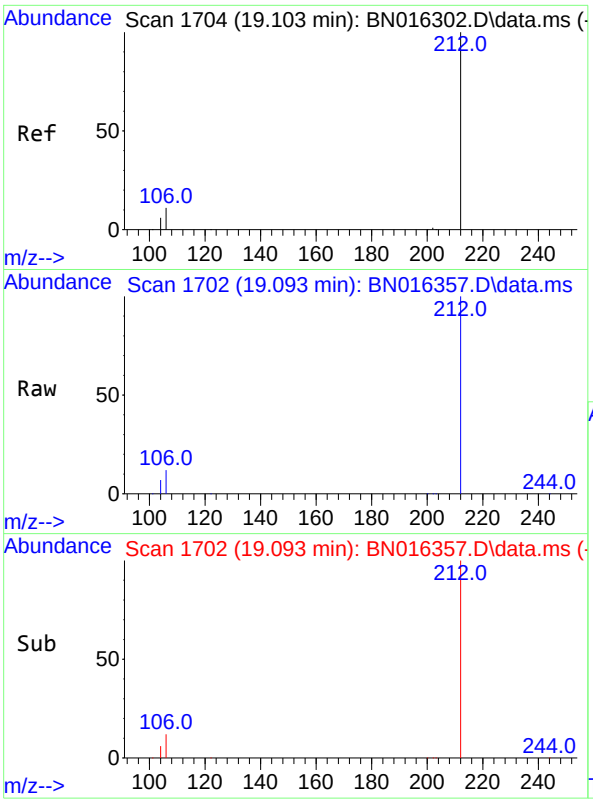
#26
Anthracene
Concen: 0.356 ng
RT: 17.188 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:178 Resp: 113359

Ion	Ratio	Lower	Upper
178	100		
176	18.1	13.9	20.9
179	15.3	12.2	18.4



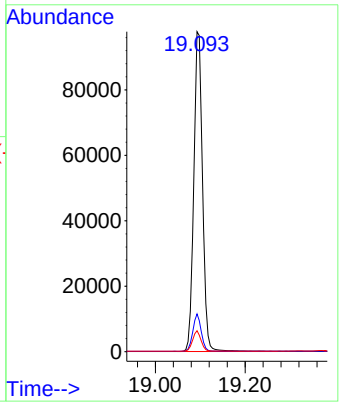
Instrument :
BNA_N
ClientSampleId :
PB139121BS

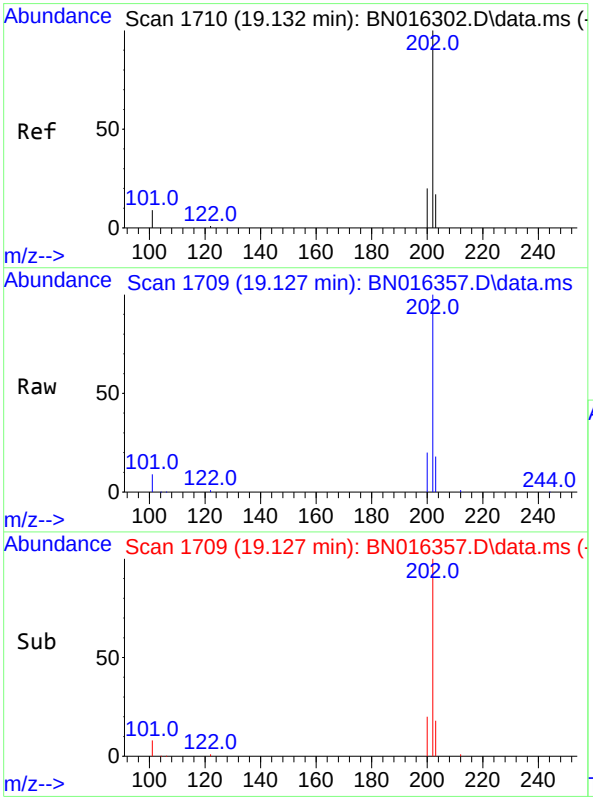


#27
Fluoranthene-d10
Concen: 0.394 ng
RT: 19.093 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:212 Resp: 132761

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.8	14.6
104	6.1	5.4	8.2

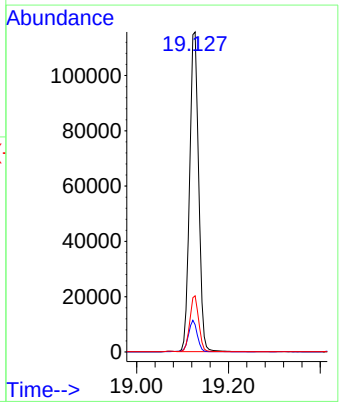




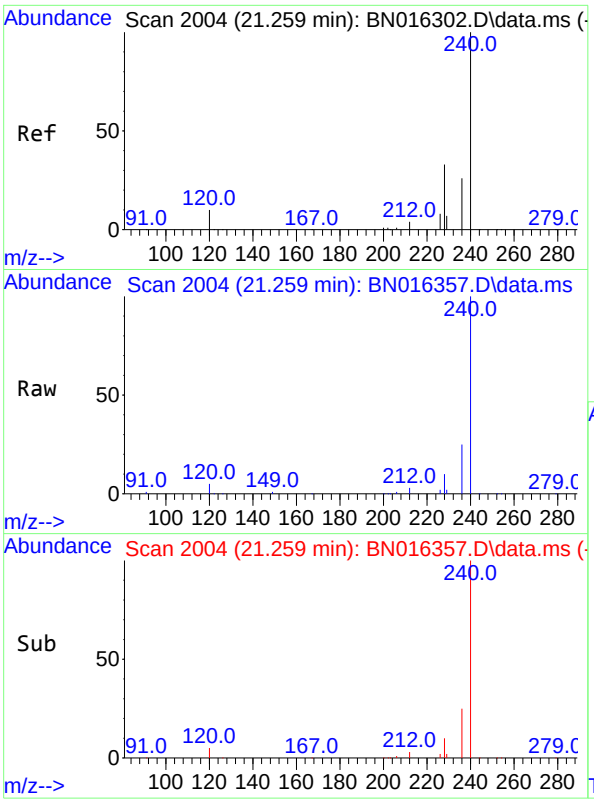
#28
Fluoranthene
Concen: 0.417 ng
RT: 19.127 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:202 Resp: 158017

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.5	12.7
203	17.3	13.8	20.8



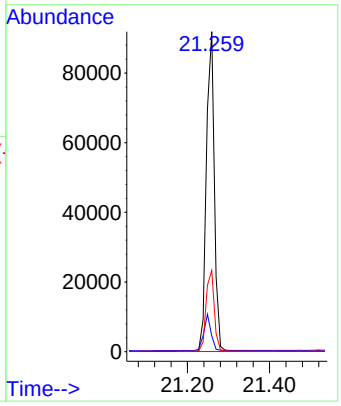
Instrument :
BNA_N
ClientSampleId :
PB139121BS

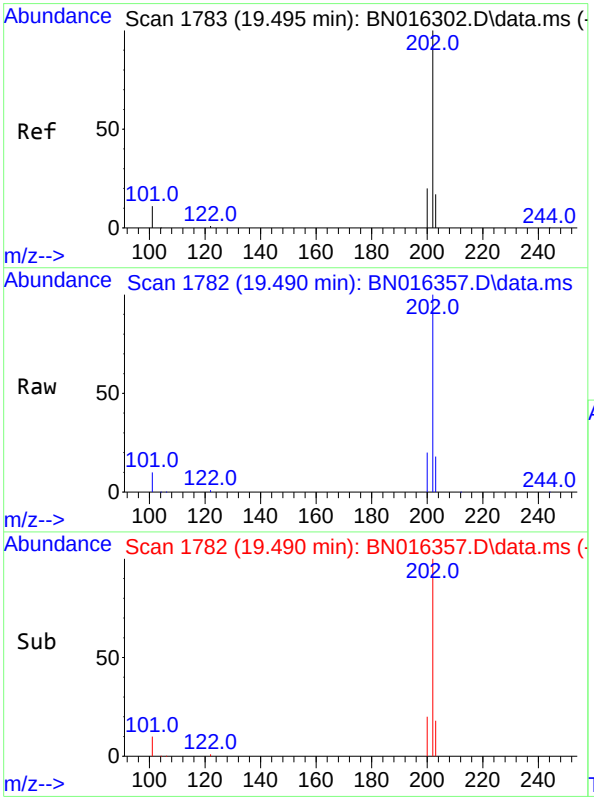


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:240 Resp: 124425

Ion	Ratio	Lower	Upper
240	100		
120	4.9	5.3	7.9#
236	25.4	19.8	29.8

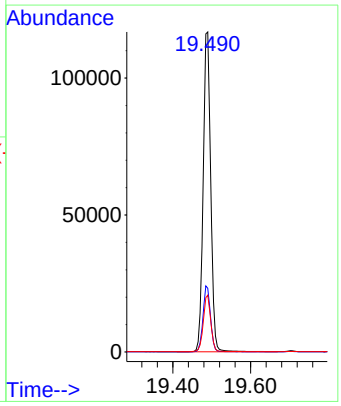




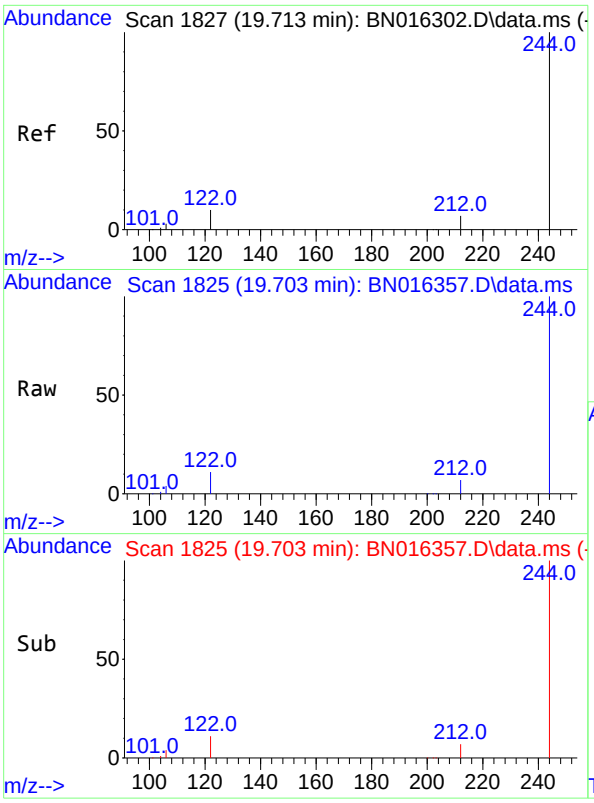
#30
Pyrene
Concen: 0.401 ng
RT: 19.490 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:202 Resp: 157637

Ion	Ratio	Lower	Upper
202	100		
200	20.4	15.8	23.6
203	17.5	13.9	20.9



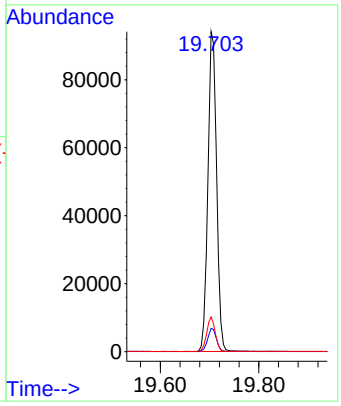
Instrument :
BNA_N
ClientSampleId :
PB139121BS

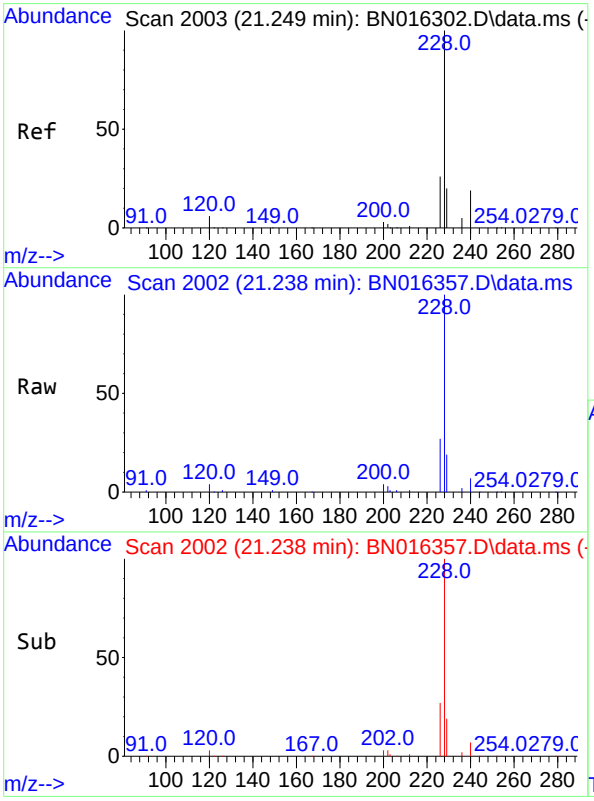


#31
Terphenyl-d14
Concen: 0.399 ng
RT: 19.703 min Scan# 1825
Delta R.T. -0.005 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:244 Resp: 115049

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	10.8	9.0	13.4

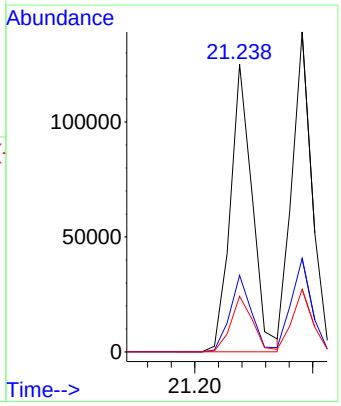




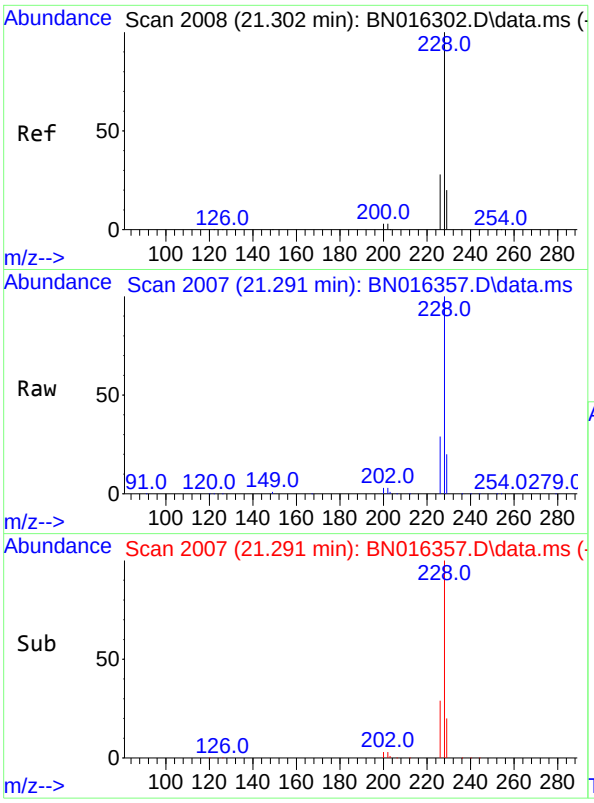
#32
Benzo(a)anthracene
Concen: 0.404 ng
RT: 21.238 min Scan# 2002
Delta R.T. -0.010 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:228 Resp: 161480

Ion	Ratio	Lower	Upper
228	100		
226	26.6	20.8	31.2
229	19.4	15.8	23.6



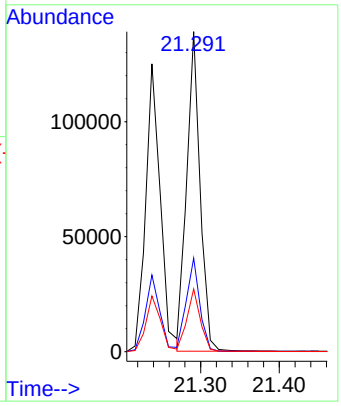
Instrument :
BNA_N
ClientSampleId :
PB139121BS

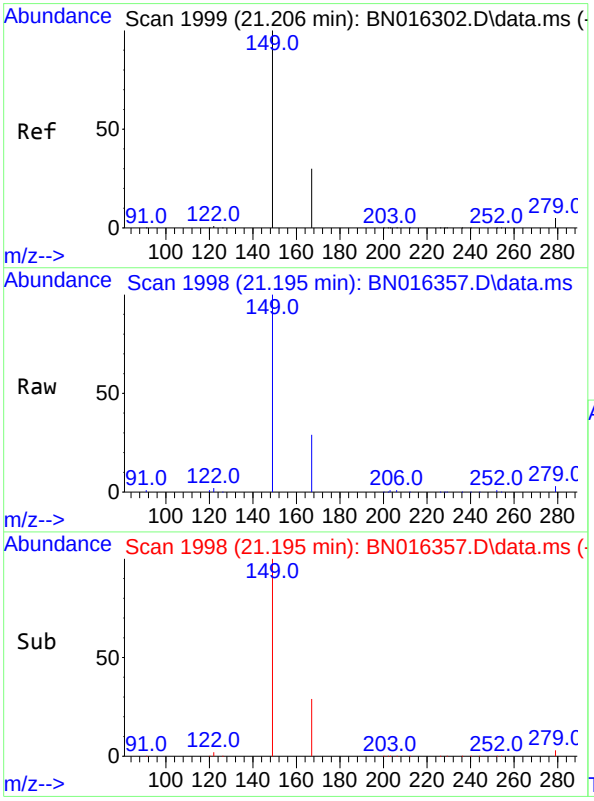


#33
Chrysene
Concen: 0.424 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:228 Resp: 164144

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.0	34.4
229	19.6	15.6	23.4

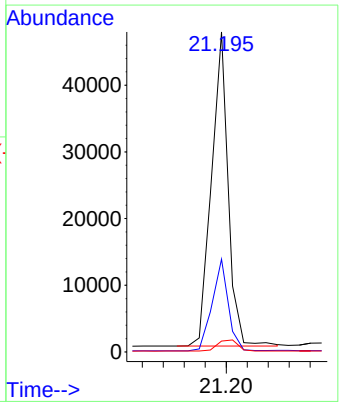




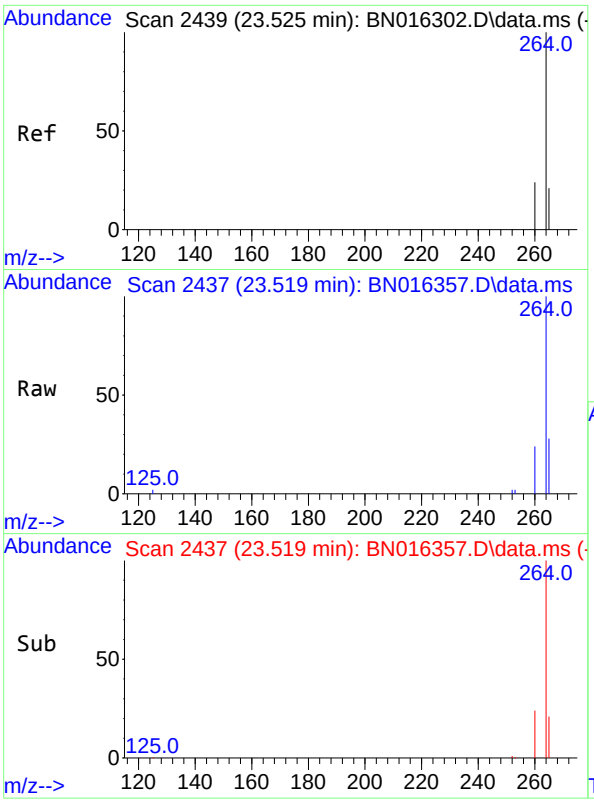
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.241 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:149 Resp: 52031

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.4	35.0
279	4.4	3.9	5.9



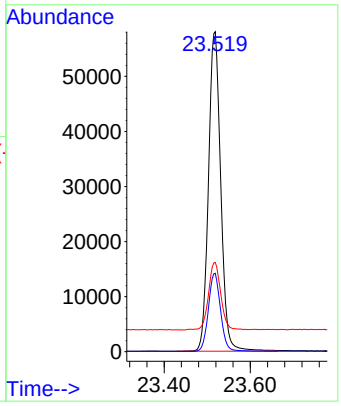
Instrument :
BNA_N
ClientSampleId :
PB139121BS

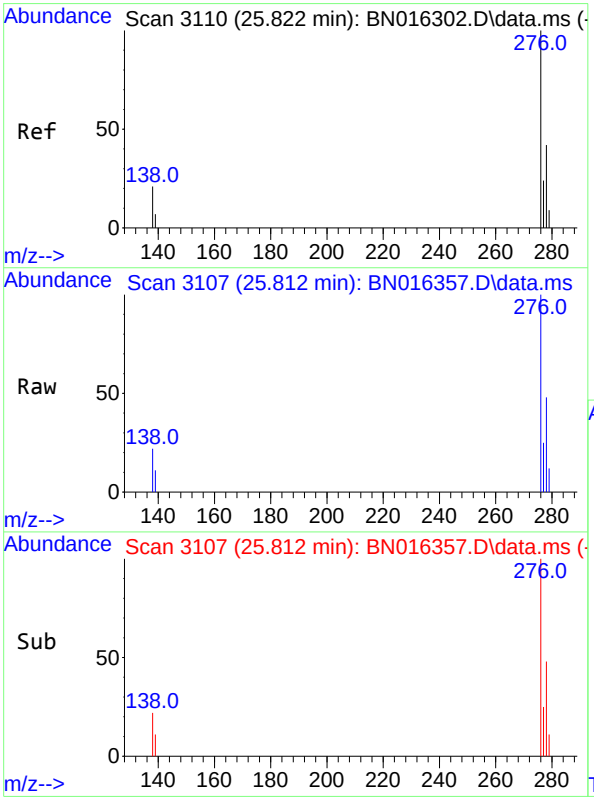


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 2437
Delta R.T. -0.007 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:264 Resp: 114714

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	27.9	23.7	35.5

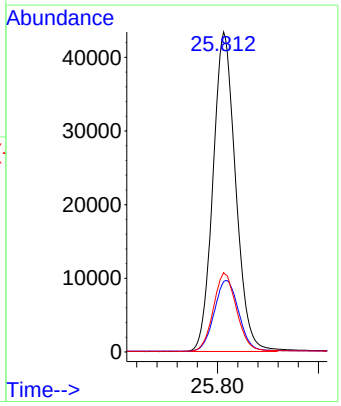




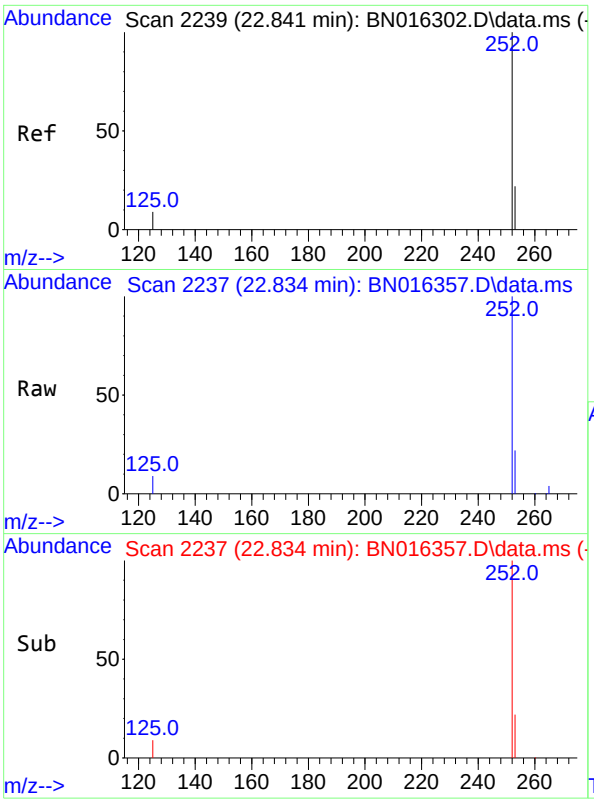
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.364 ng
RT: 25.812 min Scan# 3107
Delta R.T. -0.007 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:276 Resp: 134916

Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.3	28.9
277	25.1	20.2	30.2



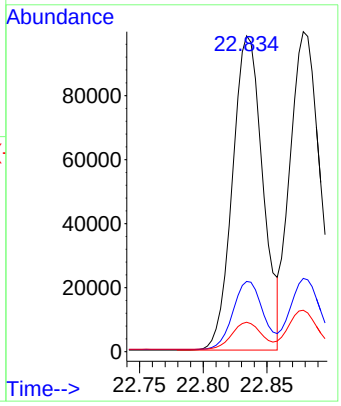
Instrument :
BNA_N
ClientSampleId :
PB139121BS

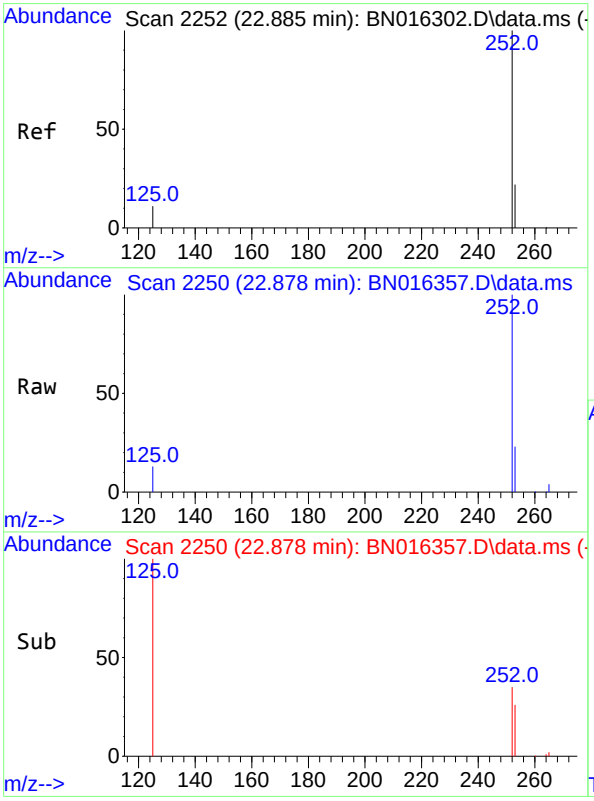


#37
Benzo(b)fluoranthene
Concen: 0.446 ng
RT: 22.834 min Scan# 2237
Delta R.T. -0.007 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:252 Resp: 162404

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	9.3	8.4	12.6

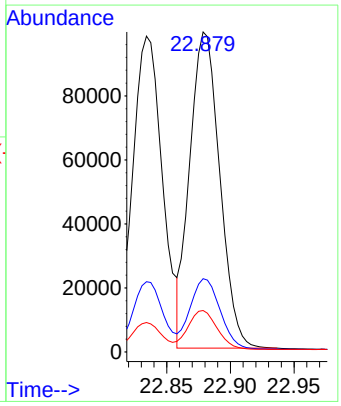




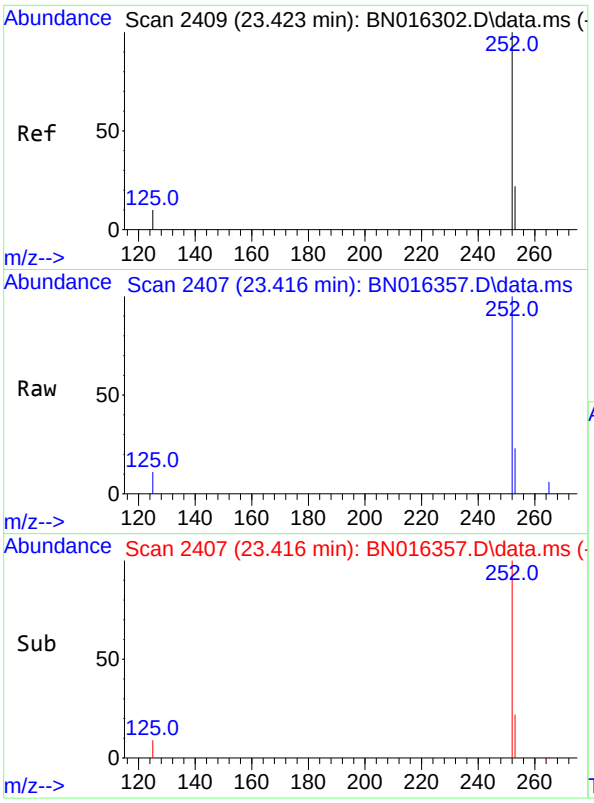
#38
Benzo(k)fluoranthene
Concen: 0.462 ng
RT: 22.878 min Scan# 2250
Delta R.T. -0.007 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:252 Resp: 161908

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.9	8.2	12.4#



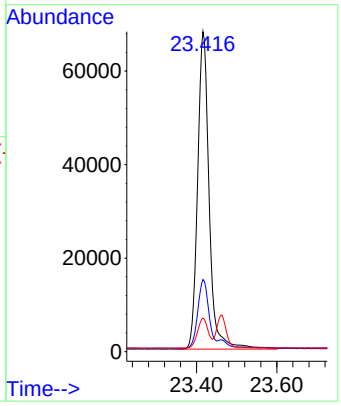
Instrument :
BNA_N
ClientSampleId :
PB139121BS

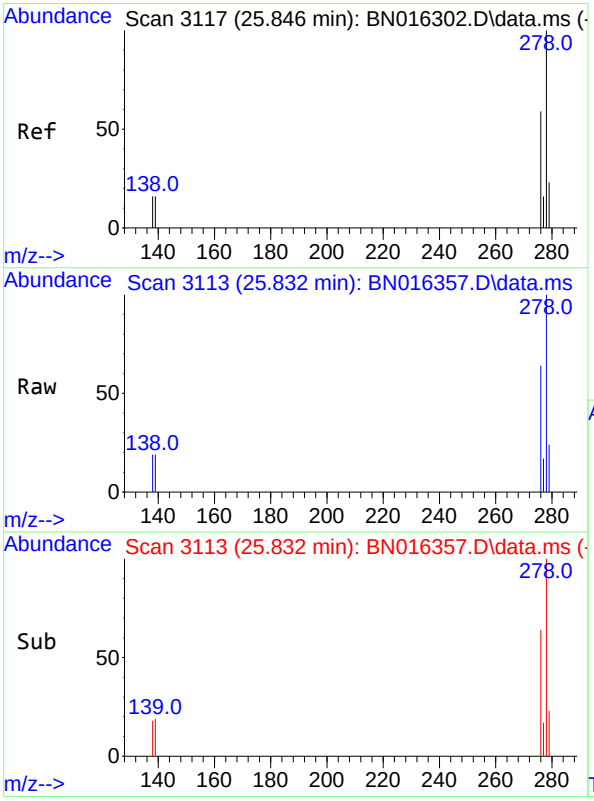


#39
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.416 min Scan# 2407
Delta R.T. -0.007 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:252 Resp: 135549

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	10.5	9.9	14.9

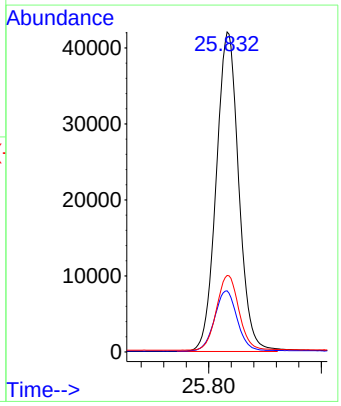


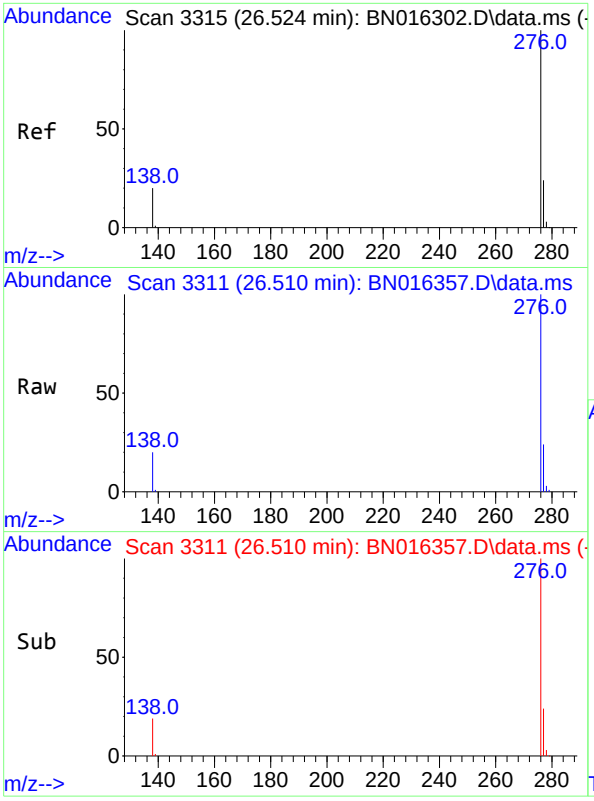


#40
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 25.832 min Scan# 3113
Delta R.T. -0.010 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:278 Resp: 116239

Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.2	21.2
279	23.9	21.3	31.9

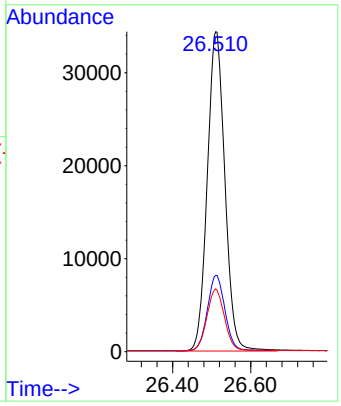




#41
Benzo(g,h,i)perylene
Concen: 0.342 ng
RT: 26.510 min Scan# 3311
Delta R.T. -0.010 min
Lab File: BN016357.D
Acq: 21 Sep 2021 00:11

Tgt Ion:276 Resp: 107171

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.5	30.7
138	19.7	18.2	27.4



Instrument :
BNA_N
ClientSampleId :
PB139121BS