Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092121\
Data File : BN016378.D
Acq On : 21 Sep 2021 15:15
Operator : CG/JU
Sample : PB139194BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139194BS

Quant Time: Sep 21 15:44:31 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	19404	0.400	ng	0.00
7) Naphthalene-d8	10.445	136	82278	0.400	ng	# 0.00
13) Acenaphthene-d10	14.307	164	42006	0.400	ng	0.00
19) Phenanthrene-d10	17.054	188	79277	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	79366	0.400	ng	0.00
35) Perylene-d12	23.522	264	74613	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.282	112	16531	0.340	ng	0.00
5) Phenol-d6	6.859	99	19767	0.335	ng	0.00
8) Nitrobenzene-d5	8.822	82	26316	0.538	ng	0.01
11) 2-Methylnaphthalene-d10	12.038	152	48364	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.804	330	3606	0.292	ng	0.01
15) 2-Fluorobiphenyl	12.924	172	68709	0.418	ng	0.00
27) Fluoranthene-d10	19.093	212	84415	0.368	ng	0.00
31) Terphenyl-d14	19.703	244	72499	0.394	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	3022	0.375	ng	# 78
3) n-Nitrosodimethylamine	3.631	42	6962	0.377	ng	# 75
6) bis(2-Chloroethyl)ether	7.117	93	21730	0.413	ng	92
9) Naphthalene	10.495	128	85650	0.386	ng	100
10) Hexachlorobutadiene	10.787	225	18056	0.428	ng	# 99
12) 2-Methylnaphthalene	12.114	142	55713	0.379	ng	99
16) Acenaphthylene	14.015	152	72698	0.372	ng	100
17) Acenaphthene	14.358	154	47427	0.391	ng	98
18) Fluorene	15.360	166	56980	0.379	ng	99
20) 4,6-Dinitro-2-methylph...	15.436	198	2715	0.754	ng	# 64
21) 4-Bromophenyl-phenylether	16.251	248	18404	0.397	ng	# 84
22) Hexachlorobenzene	16.360	284	18994	0.434	ng	# 90
23) Atrazine	16.531	200	10821	0.255	ng	97
24) Pentachlorophenol	16.701	266	4208	0.285	ng	97
25) Phenanthrene	17.091	178	92358	0.412	ng	99
26) Anthracene	17.188	178	76703	0.354	ng	99
28) Fluoranthene	19.122	202	103793	0.402	ng	99
30) Pyrene	19.485	202	100100	0.399	ng	99
32) Benzo(a)anthracene	21.238	228	96313	0.378	ng	98
33) Chrysene	21.291	228	105466	0.428	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	27063	0.197	ng	97
36) Indeno(1,2,3-cd)pyrene	25.815	276	107205	0.445	ng	99
37) Benzo(b)fluoranthene	22.838	252	98602	0.416	ng	99
38) Benzo(k)fluoranthene	22.885	252	100635	0.441	ng	99
39) Benzo(a)pyrene	23.419	252	81530	0.380	ng	97
40) Dibenzo(a,h)anthracene	25.839	278	93080	0.455	ng	95
41) Benzo(g,h,i)perylene	26.517	276	91923	0.452	ng	95

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

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Acq On : 21 Sep 2021 15:15
Operator : CG/JU
Sample : PB139194BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB139194BS

Quant Time: Sep 21 15:44:31 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
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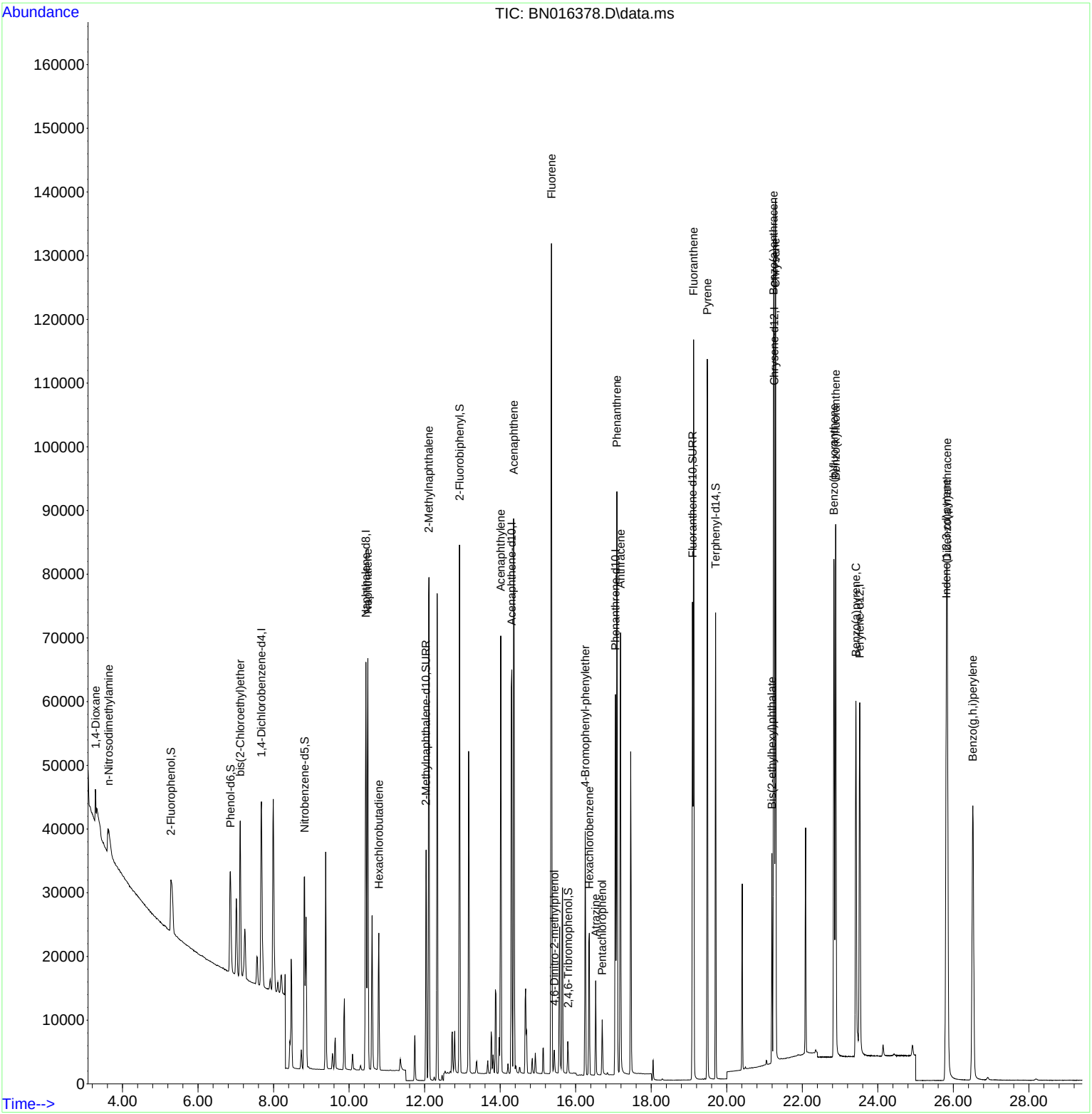
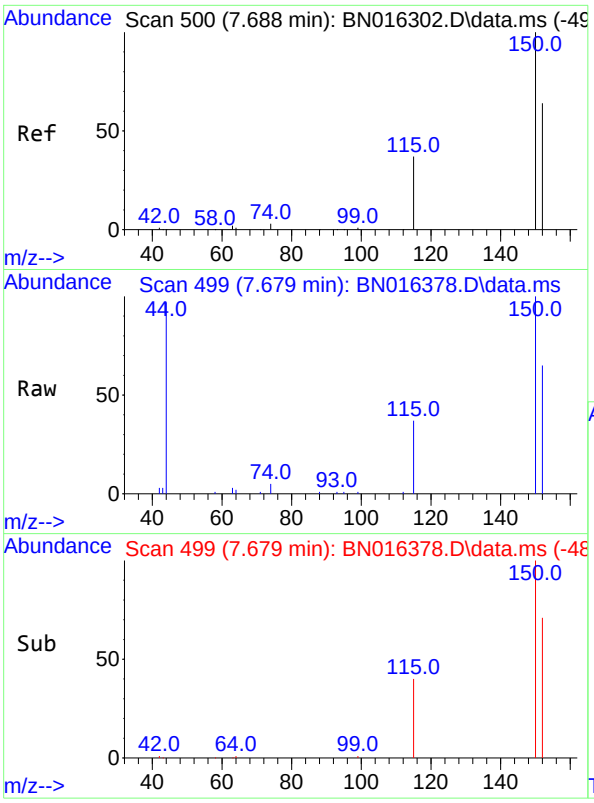
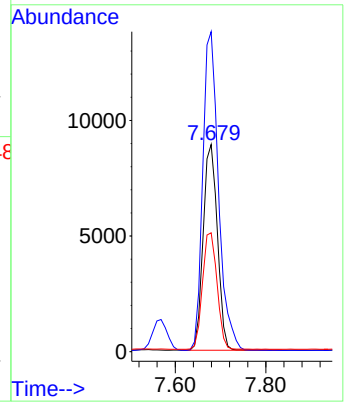




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.679 min Scan# 499
Delta R.T. 0.009 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:152 Resp: 19404

Ion	Ratio	Lower	Upper
152	100		
150	154.4	125.6	188.4
115	57.4	50.2	75.2



Instrument :
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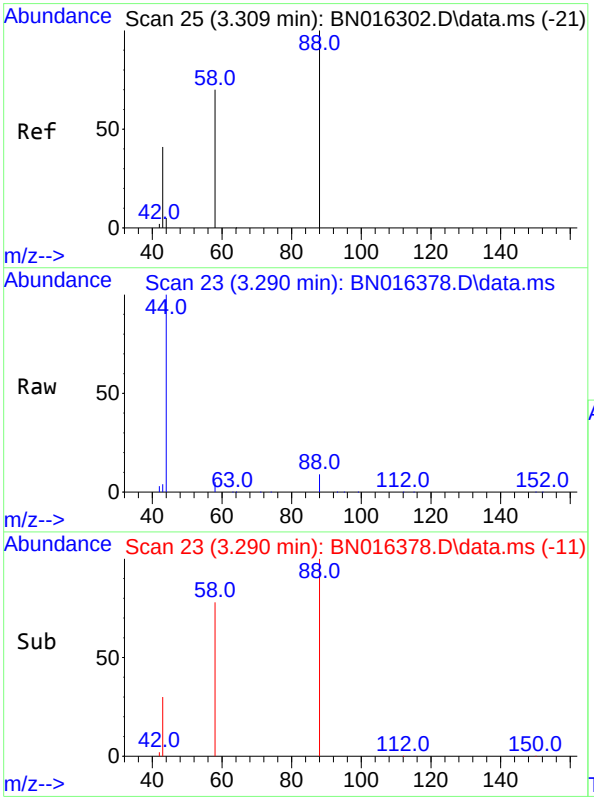
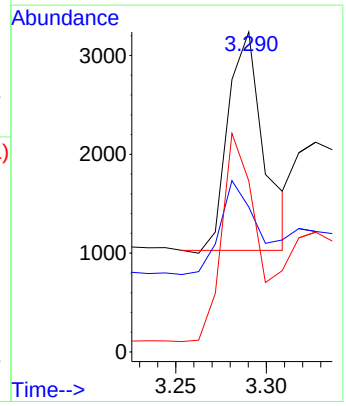
ClientSampleId :
PB139194BS



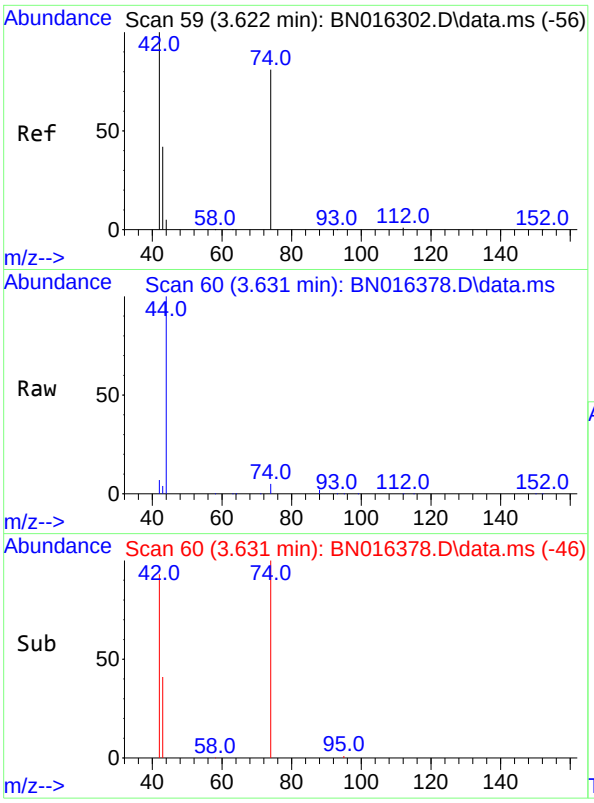
#2
1,4-Dioxane
Concen: 0.375 ng
RT: 3.290 min Scan# 23
Delta R.T. 0.010 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion: 88 Resp: 3022

Ion	Ratio	Lower	Upper
88	100		
43	48.3	20.3	30.5#
58	101.6	69.9	104.9



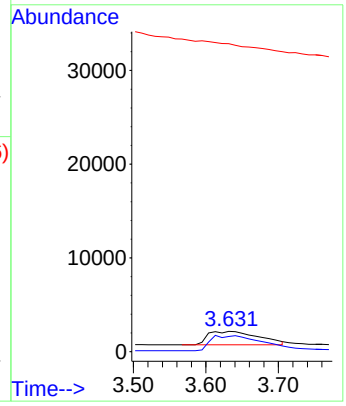
Instrument :
BNA_N
ClientSampleId :
PB139194BS

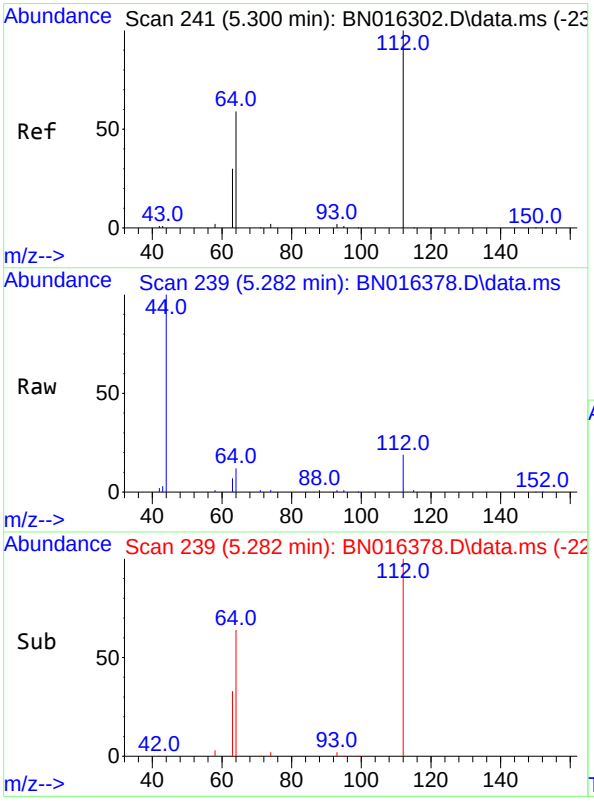


#3
n-Nitrosodimethylamine
Concen: 0.377 ng
RT: 3.631 min Scan# 60
Delta R.T. 0.028 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion: 42 Resp: 6962

Ion	Ratio	Lower	Upper
42	100		
74	111.6	113.6	170.4#
44	0.0	0.0	0.0

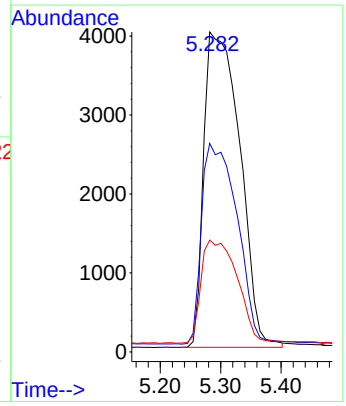




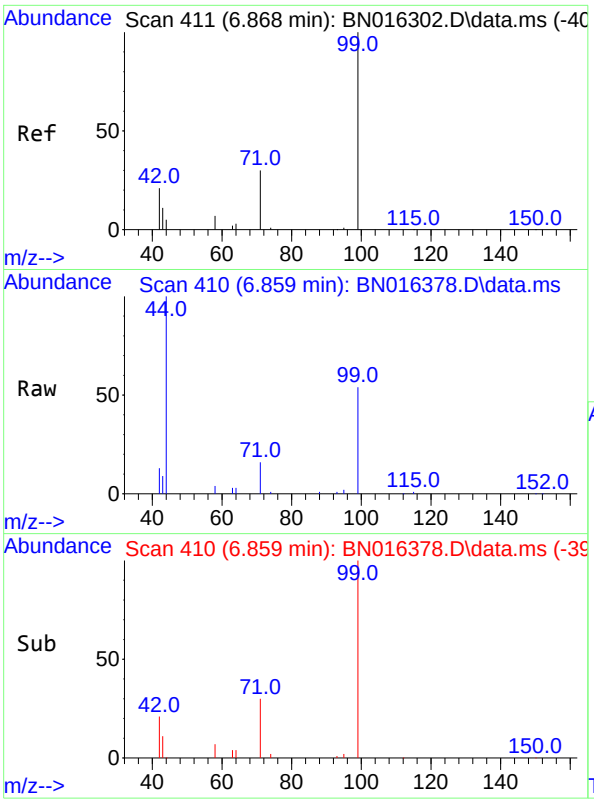
#4
2-Fluorophenol
Concen: 0.340 ng
RT: 5.282 min Scan# 239
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:112 Resp: 16531

Ion	Ratio	Lower	Upper
112	100		
64	62.7	47.3	70.9
63	32.9	23.4	35.0



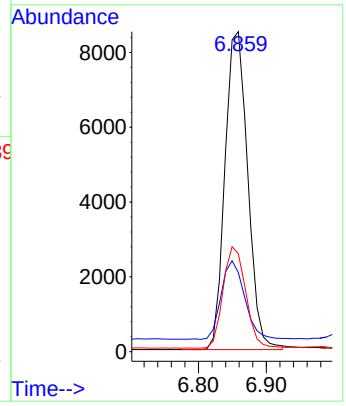
Instrument :
BNA_N
ClientSampleId :
PB139194BS

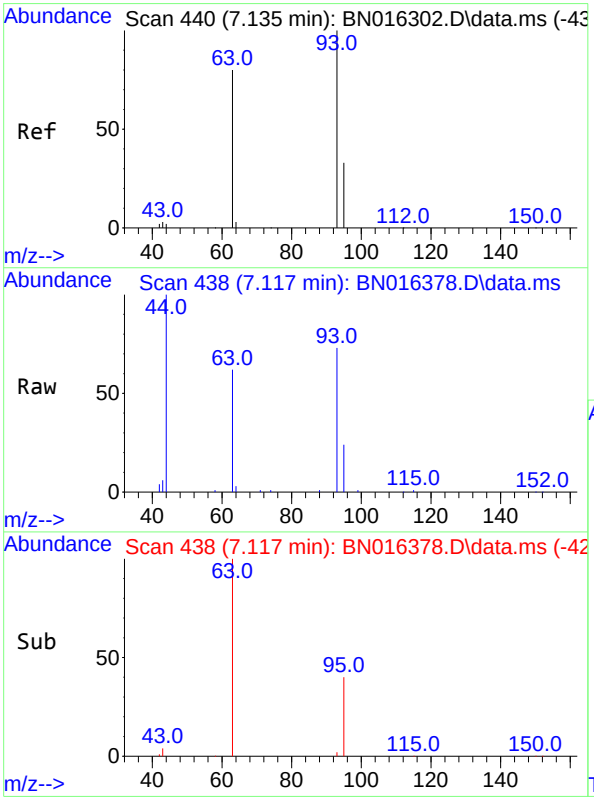


#5
Phenol-d6
Concen: 0.335 ng
RT: 6.859 min Scan# 410
Delta R.T. 0.010 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion: 99 Resp: 19767

Ion	Ratio	Lower	Upper
99	100		
42	25.2	14.0	21.0#
71	31.7	23.8	35.6

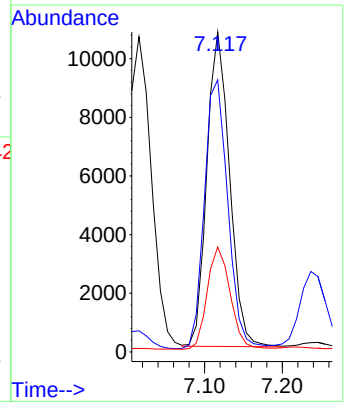




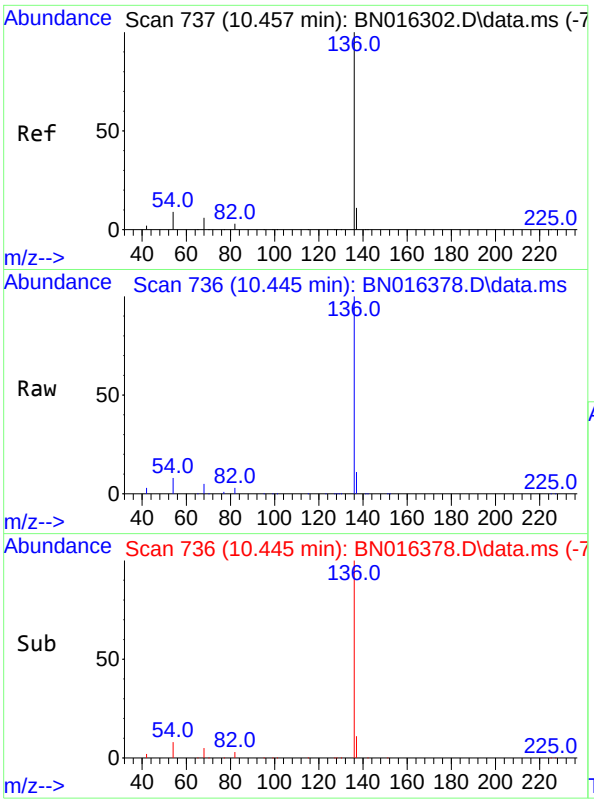
#6
bis(2-Chloroethyl)ether
Concen: 0.413 ng
RT: 7.117 min Scan# 438
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion: 93 Resp: 21730

Ion	Ratio	Lower	Upper
93	100		
63	88.6	63.4	95.0
95	32.9	26.8	40.2



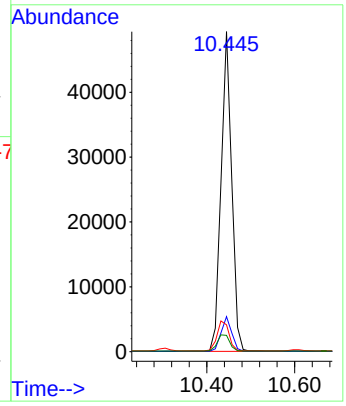
Instrument :
BNA_N
ClientSampleId :
PB139194BS

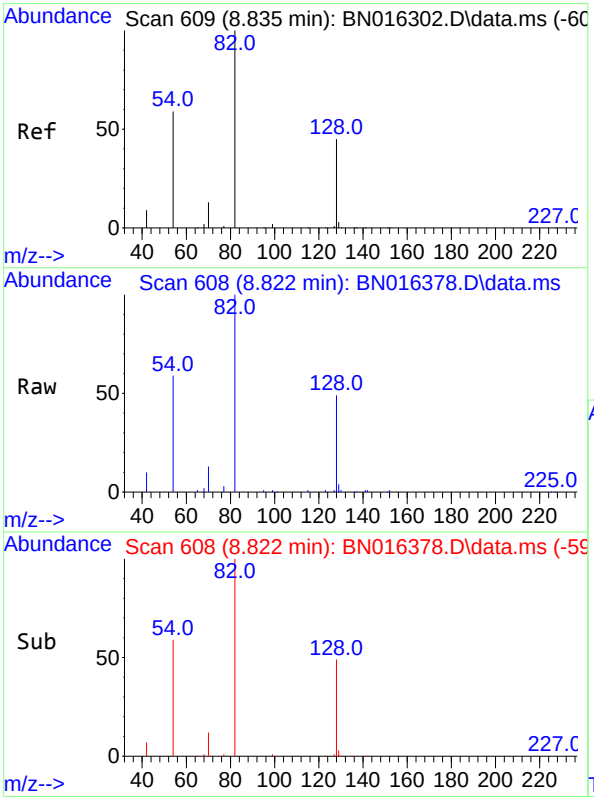


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:136 Resp: 82278

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.4	5.3	7.9#
68	5.1	3.9	5.9

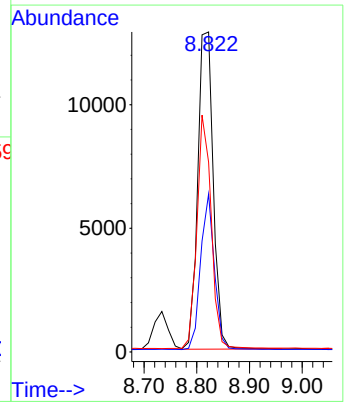


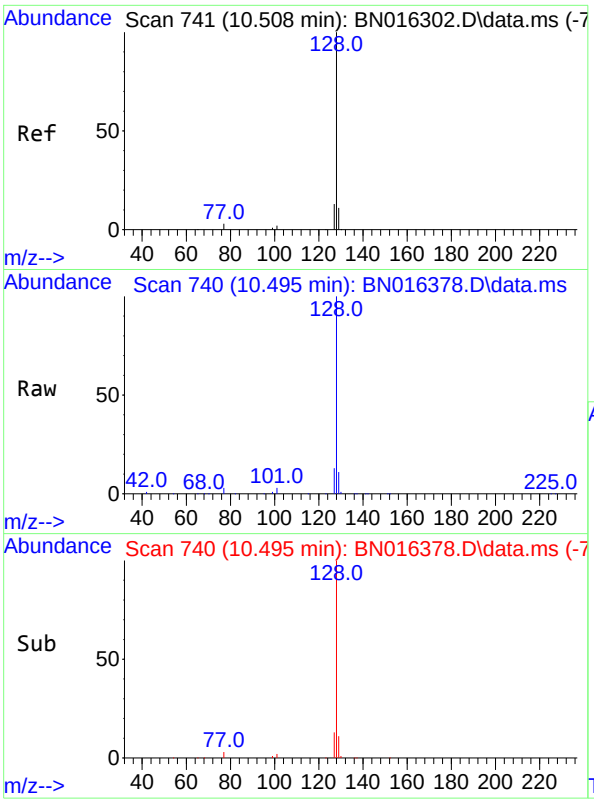


#8
Nitrobenzene-d5
Concen: 0.538 ng
RT: 8.822 min Scan# 608
Delta R.T. 0.013 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion: 82 Resp: 26316

Ion	Ratio	Lower	Upper
82	100		
128	49.3	31.7	47.5#
54	59.3	46.4	69.6

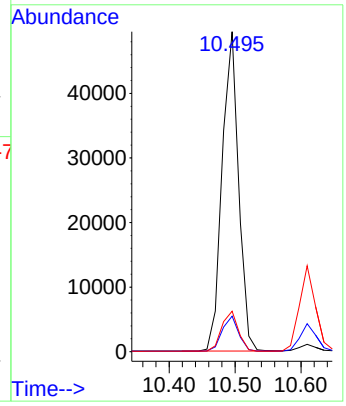


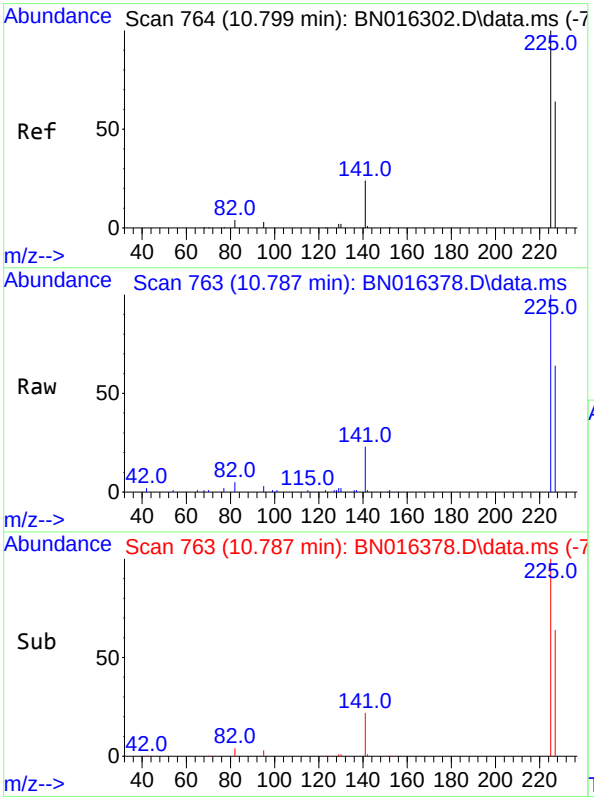


#9
Naphthalene
Concen: 0.386 ng
RT: 10.495 min Scan# 740
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:128 Resp: 85650

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

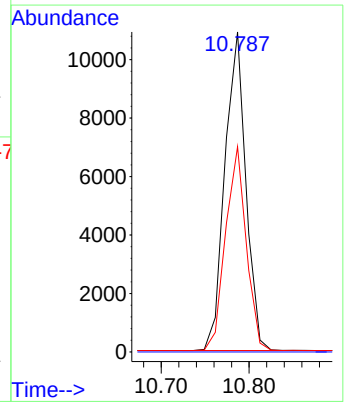




#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:225 Resp: 18056

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.5	77.3



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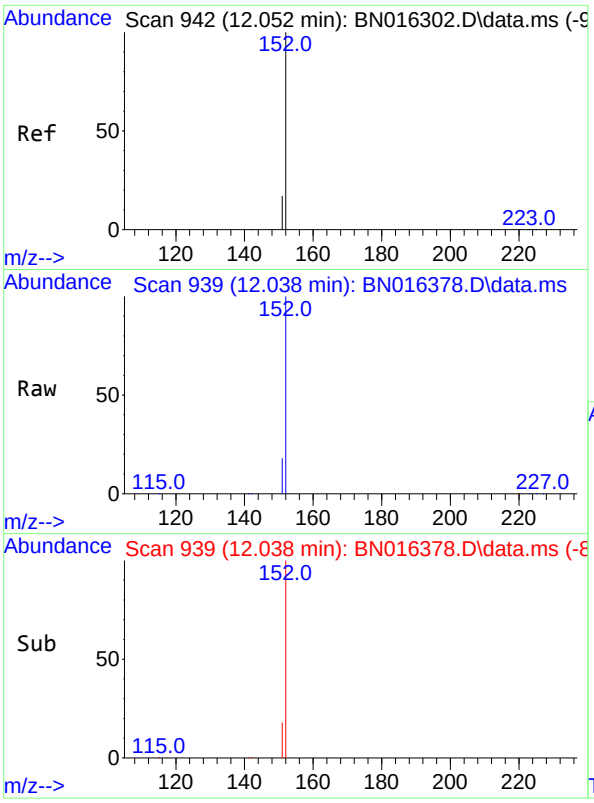
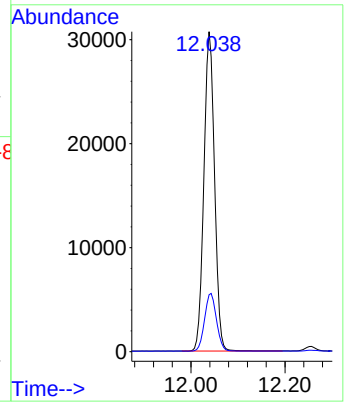
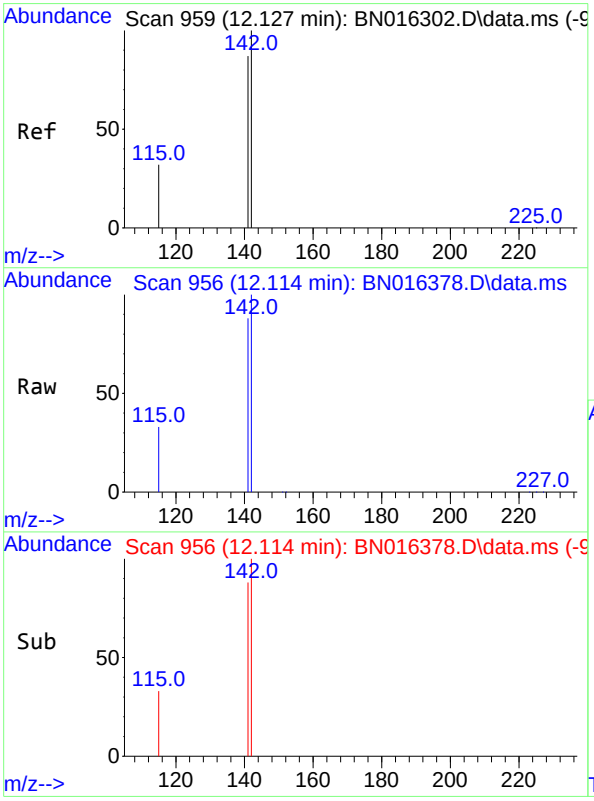


#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 12.038 min Scan# 939
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:152 Resp: 48364

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1

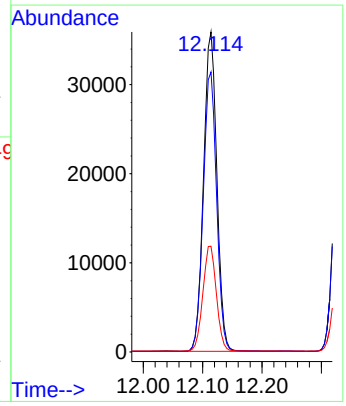




#12
2-Methylnaphthalene
Concen: 0.379 ng
RT: 12.114 min Scan# 956
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:142 Resp: 55713

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.8	104.8
115	33.0	24.4	36.6



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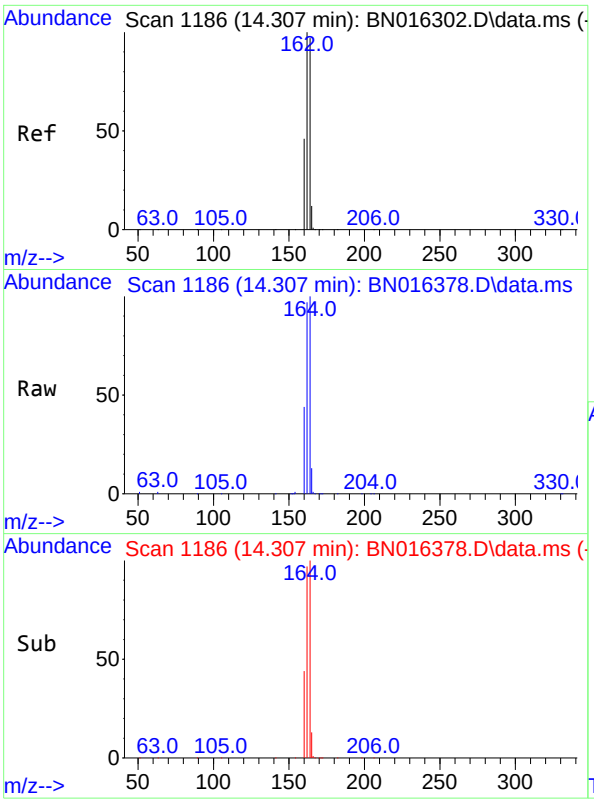
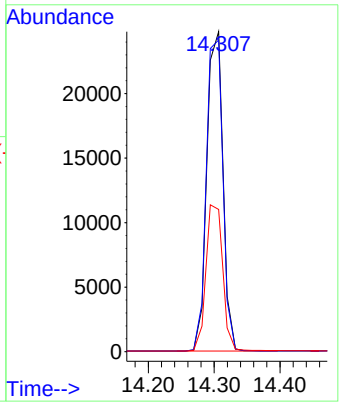
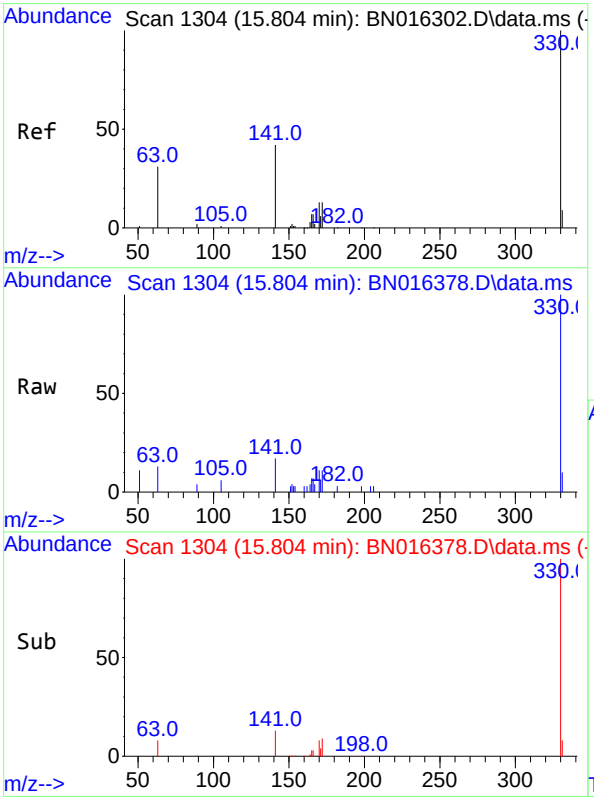


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:164 Resp: 42006

Ion	Ratio	Lower	Upper
164	100		
162	97.4	79.0	118.4
160	44.5	34.1	51.1

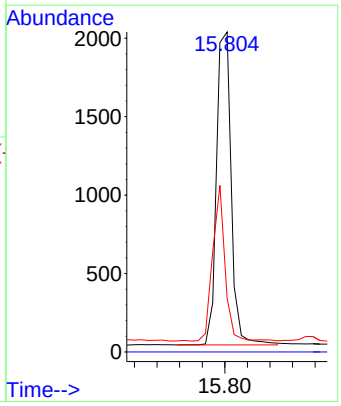




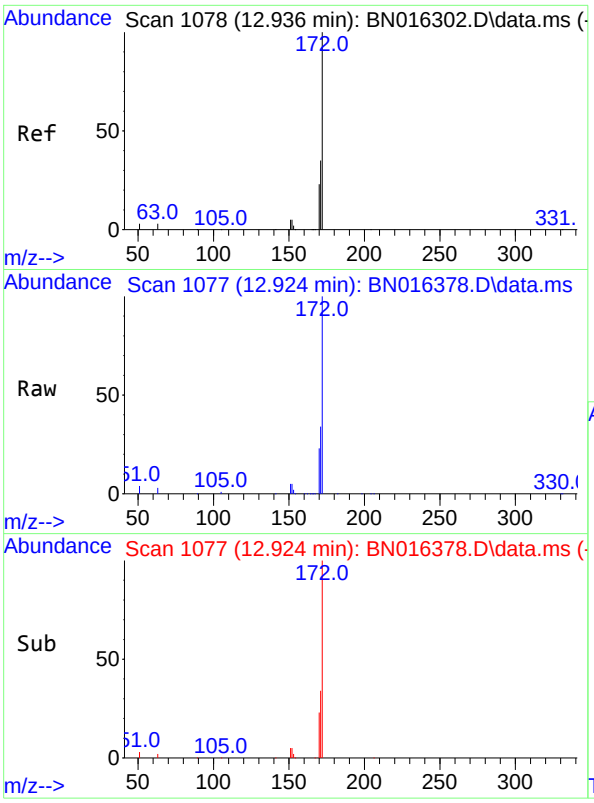
#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.804 min Scan# 1304
Delta R.T. 0.013 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:330 Resp: 3606

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.5	25.0	37.4#



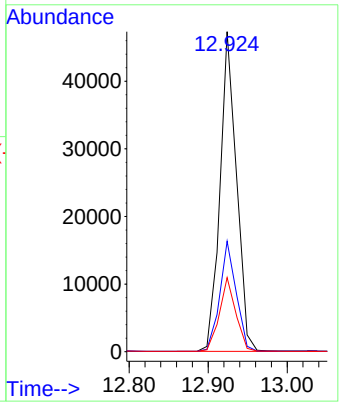
Instrument :
BNA_N
ClientSampleId :
PB139194BS

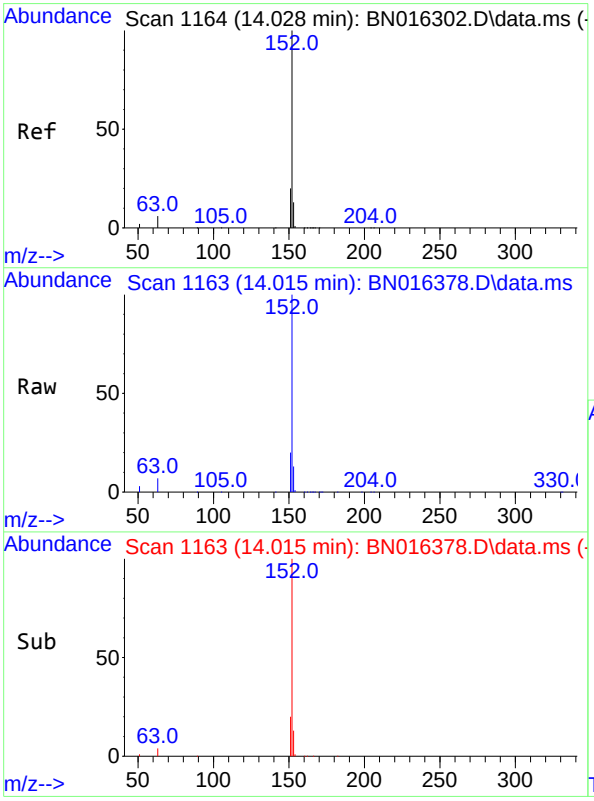


#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 12.924 min Scan# 1077
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:172 Resp: 68709

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.1	18.2	27.2

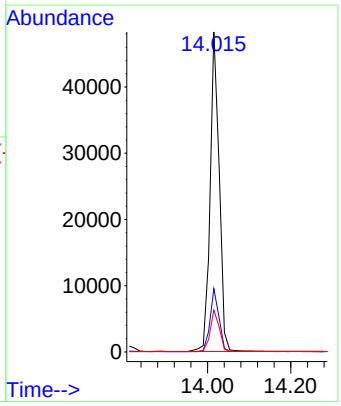




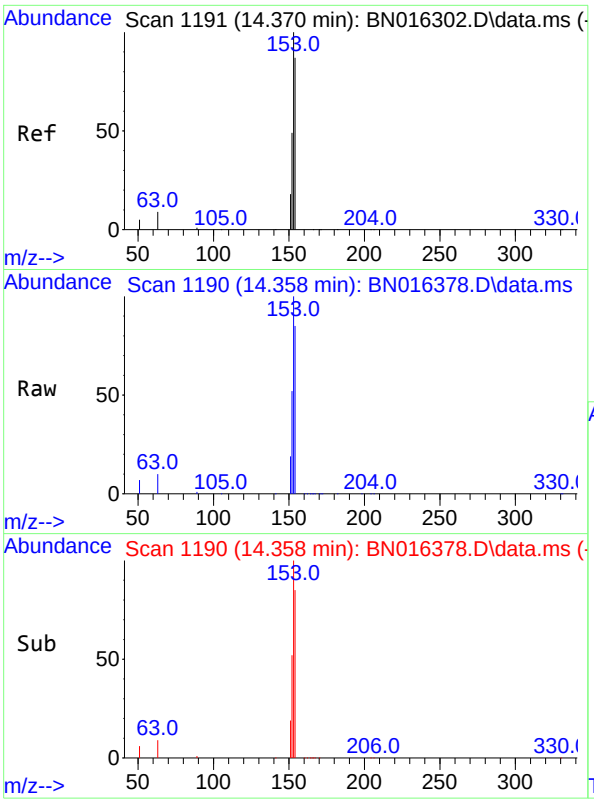
#16
Acenaphthylene
Concen: 0.372 ng
RT: 14.015 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:152 Resp: 72698

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.2	22.8
153	13.1	10.5	15.7



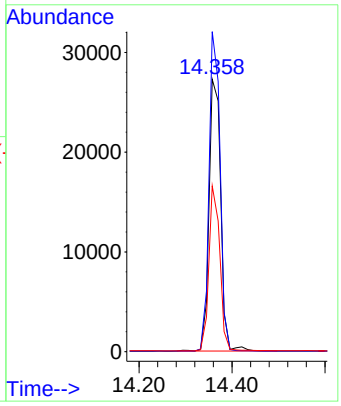
Instrument :
BNA_N
ClientSampleId :
PB139194BS

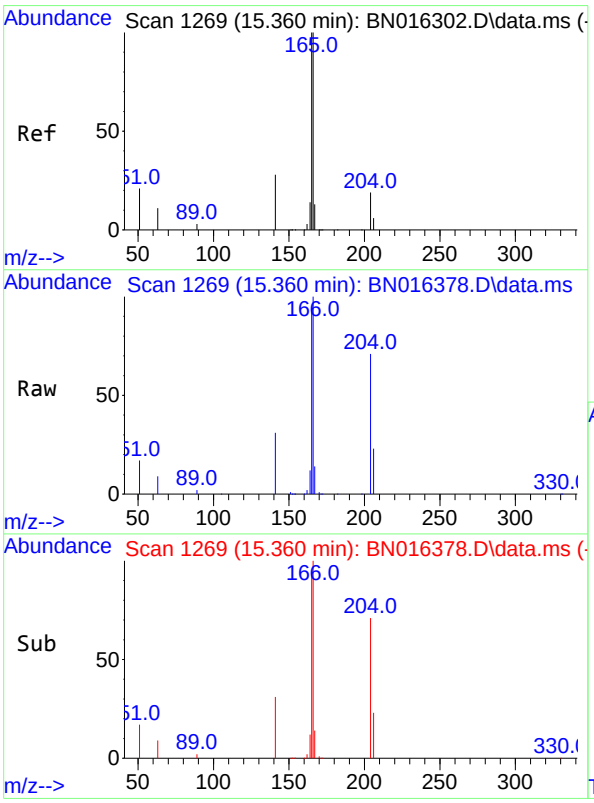


#17
Acenaphthene
Concen: 0.391 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:154 Resp: 47427

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	57.1	42.2	63.4

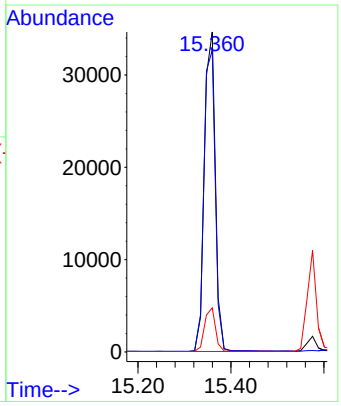




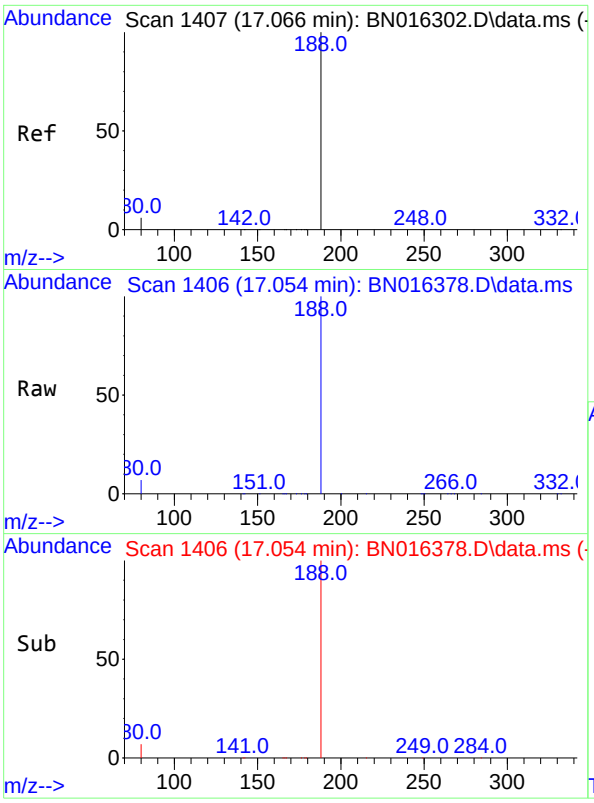
#18
Fluorene
Concen: 0.379 ng
RT: 15.360 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:166 Resp: 56980

Ion	Ratio	Lower	Upper
166	100		
165	97.5	76.7	115.1
167	13.5	10.9	16.3



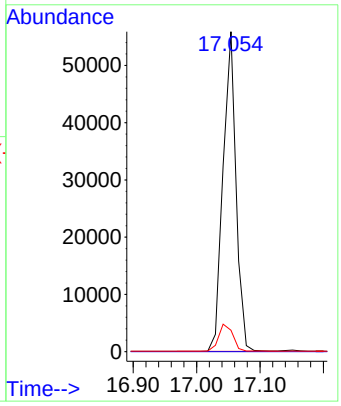
Instrument :
BNA_N
ClientSampleId :
PB139194BS

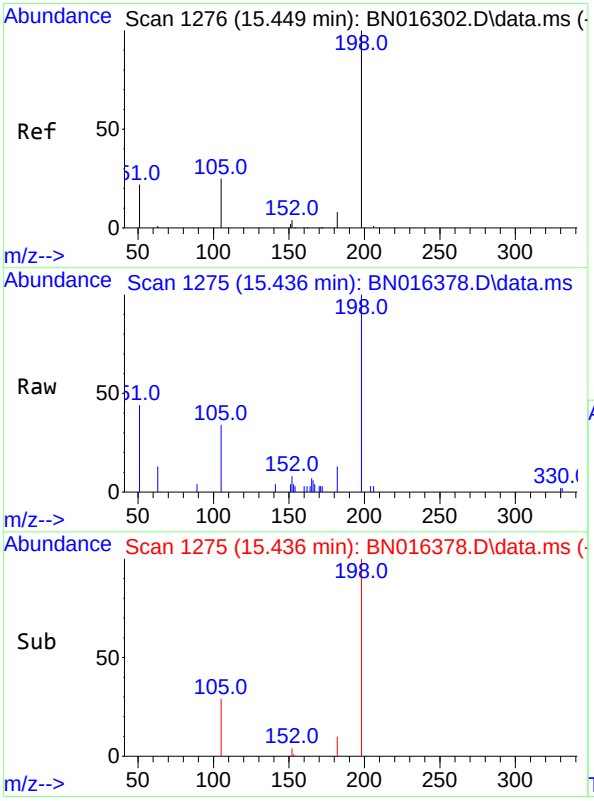


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:188 Resp: 79277

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	7.0	10.6#

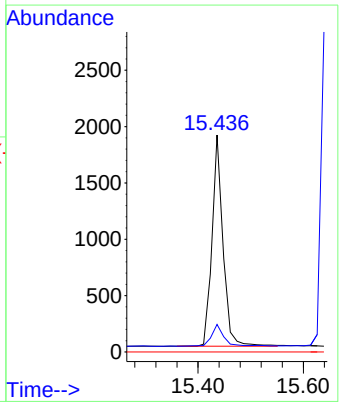




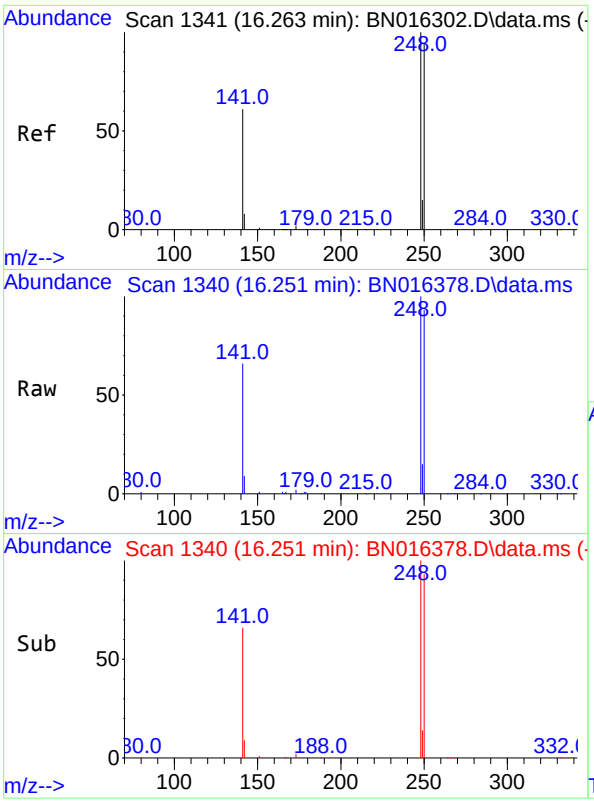
#20
4,6-Dinitro-2-methylphenol
Concen: 0.754 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:198 Resp: 2715

Ion	Ratio	Lower	Upper
198	100		
182	12.7	26.6	39.8#
77	0.0	0.0	0.0



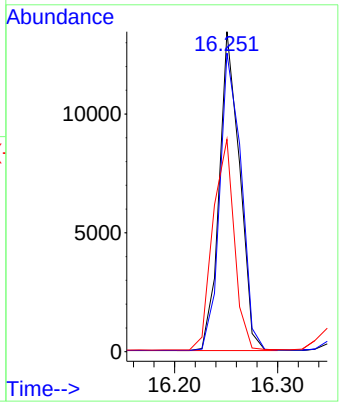
Instrument :
BNA_N
ClientSampleId :
PB139194BS

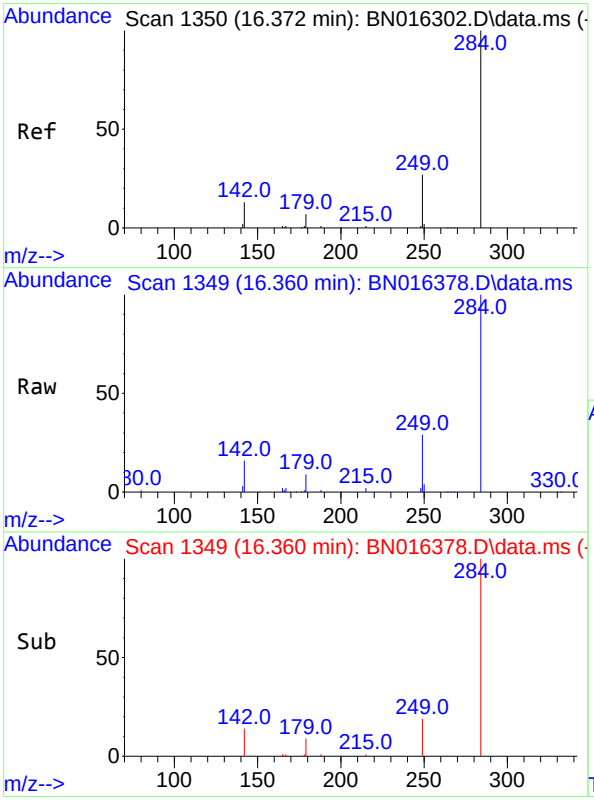


#21
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.251 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:248 Resp: 18404

Ion	Ratio	Lower	Upper
248	100		
250	93.3	80.5	120.7
141	66.3	34.8	52.2#

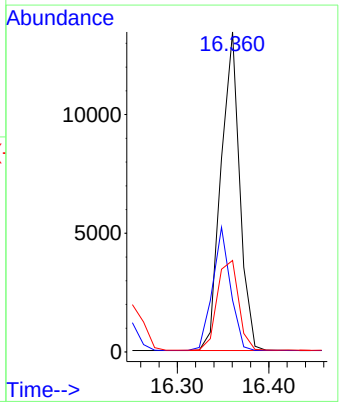




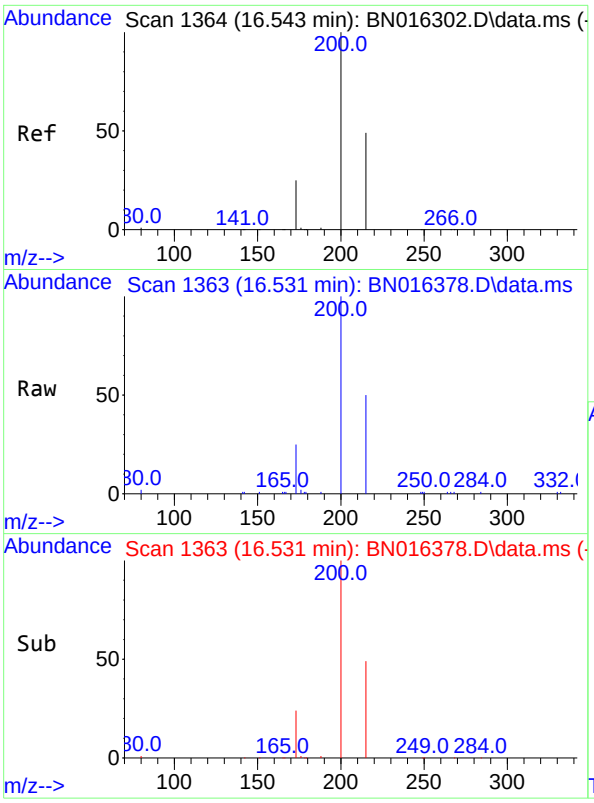
#22
Hexachlorobenzene
Concen: 0.434 ng
RT: 16.360 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:284 Resp: 18994

Ion	Ratio	Lower	Upper
284	100		
142	37.3	22.6	34.0#
249	32.4	24.4	36.6



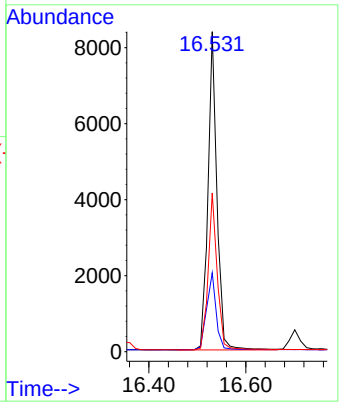
Instrument :
BNA_N
ClientSampleId :
PB139194BS

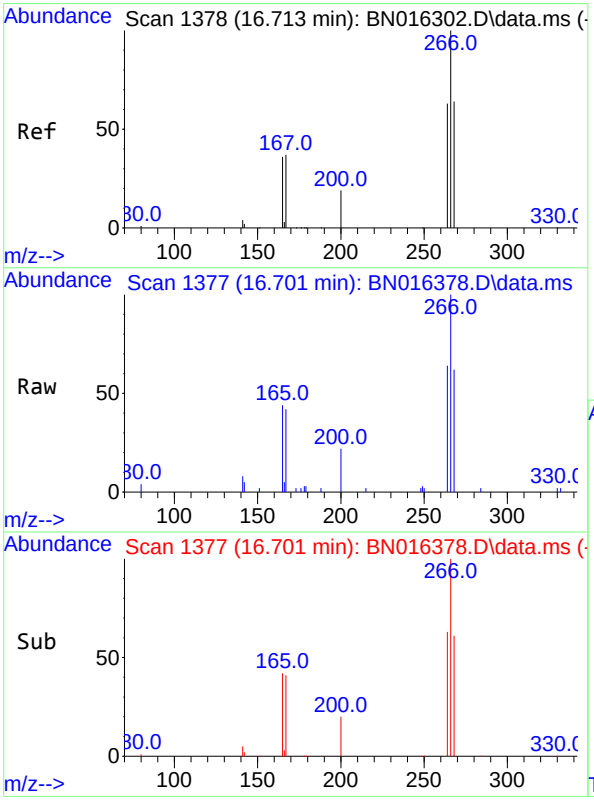


#23
Atrazine
Concen: 0.255 ng
RT: 16.531 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:200 Resp: 10821

Ion	Ratio	Lower	Upper
200	100		
173	24.6	18.7	28.1
215	49.6	41.6	62.4

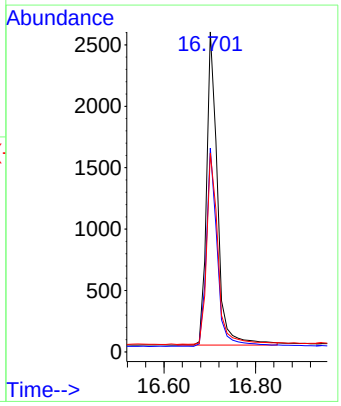




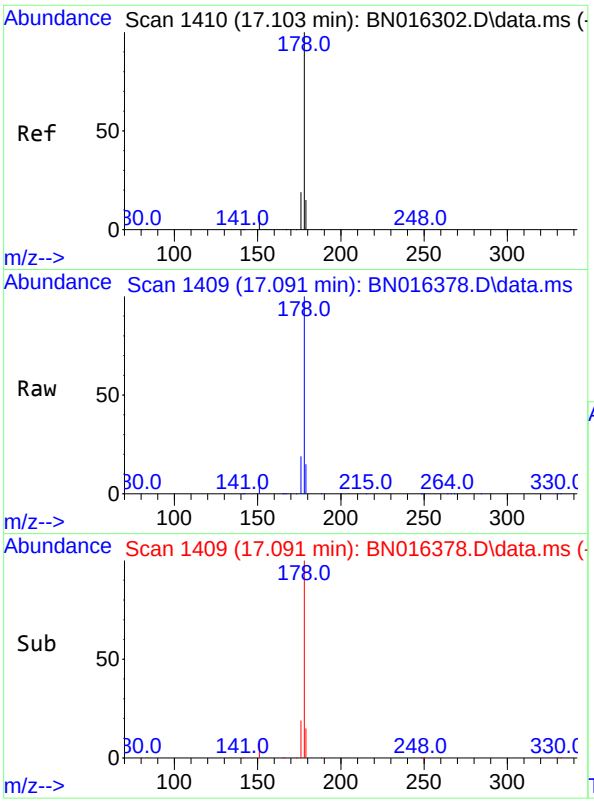
#24
Pentachlorophenol
Concen: 0.285 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:266 Resp: 4208

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.6	75.8
268	62.8	52.6	79.0



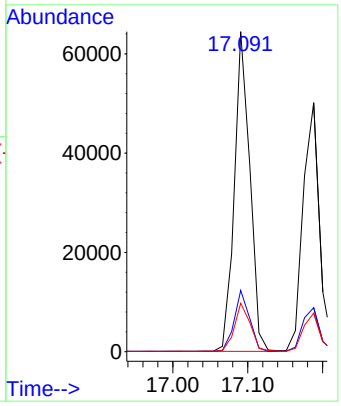
Instrument :
BNA_N
ClientSampleId :
PB139194BS

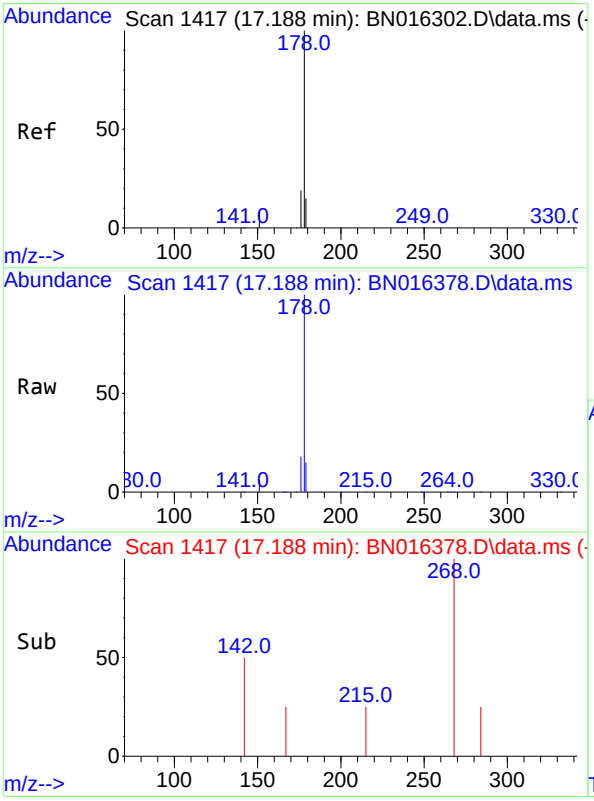


#25
Phenanthrene
Concen: 0.412 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:178 Resp: 92358

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

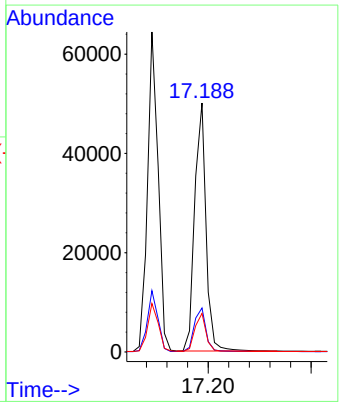




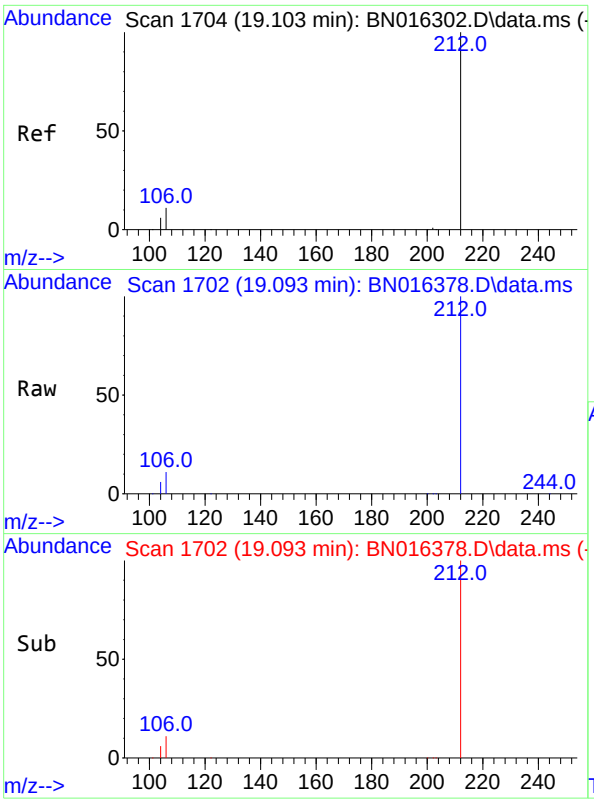
#26
Anthracene
Concen: 0.354 ng
RT: 17.188 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:178 Resp: 76703

Ion	Ratio	Lower	Upper
178	100		
176	18.2	13.9	20.9
179	15.2	12.2	18.4



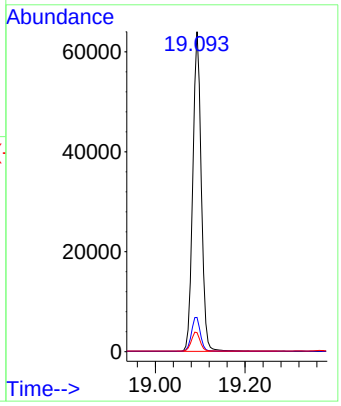
Instrument :
BNA_N
ClientSampleId :
PB139194BS

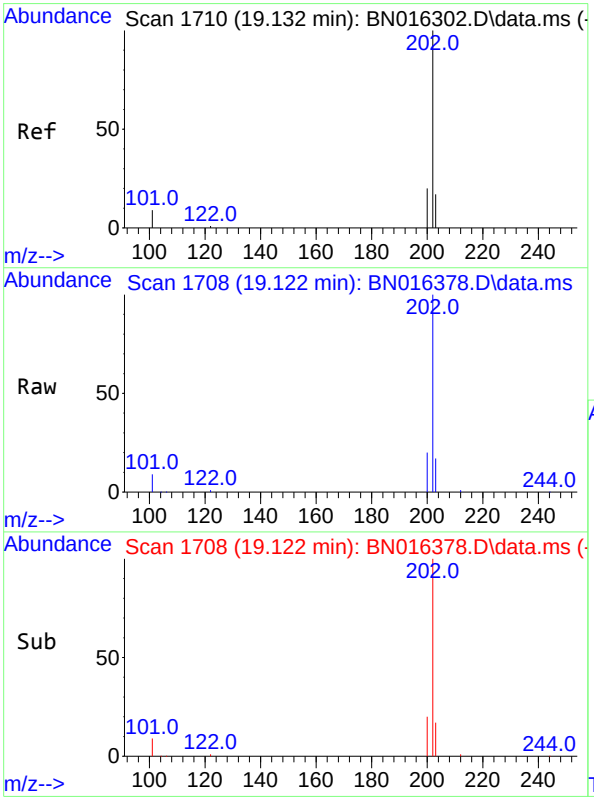


#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.093 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:212 Resp: 84415

Ion	Ratio	Lower	Upper
212	100		
106	11.1	9.8	14.6
104	6.2	5.4	8.2

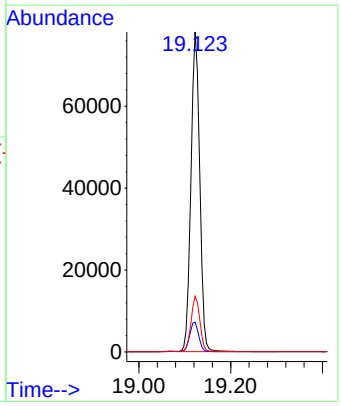




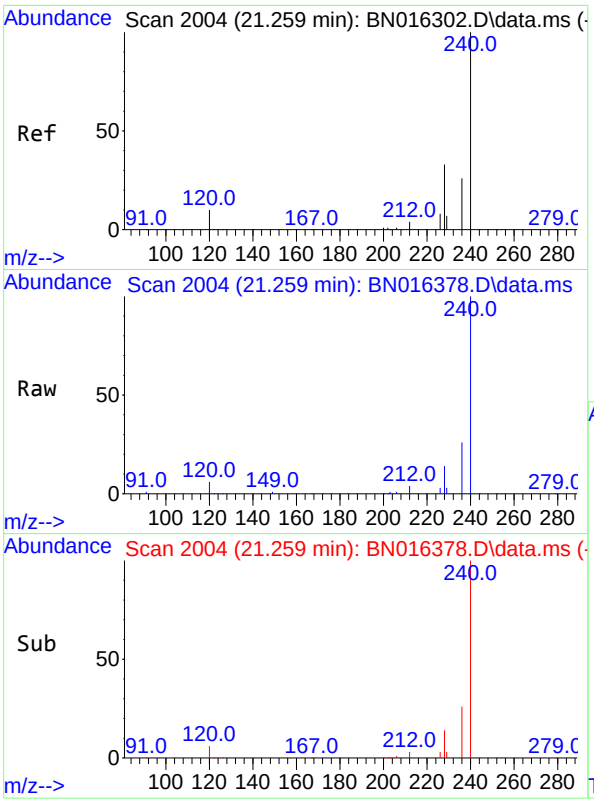
#28
Fluoranthene
Concen: 0.402 ng
RT: 19.122 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:202 Resp: 103793

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



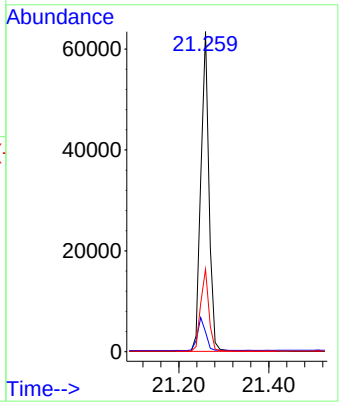
Instrument :
BNA_N
ClientSampleId :
PB139194BS

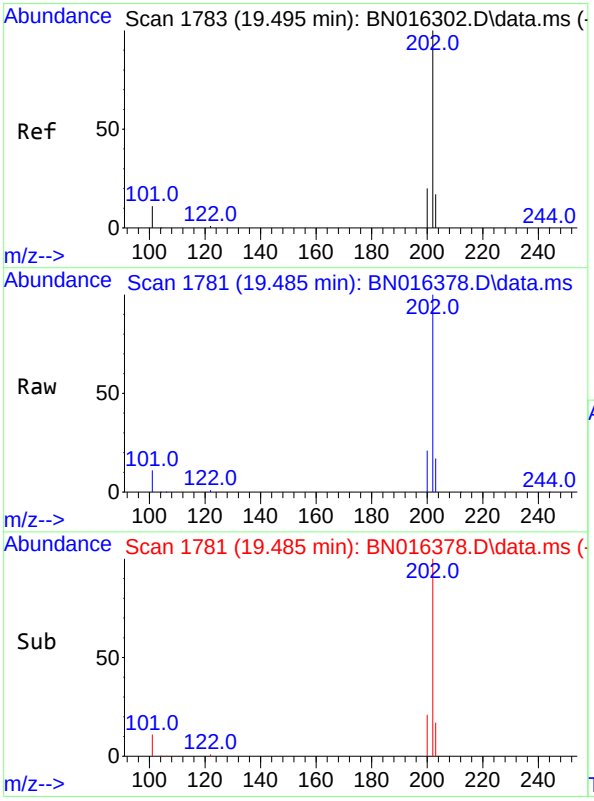


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:240 Resp: 79366

Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.3	7.9
236	25.8	19.8	29.8

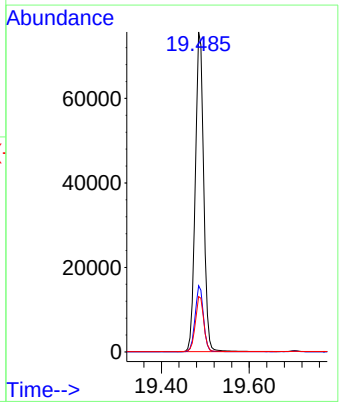




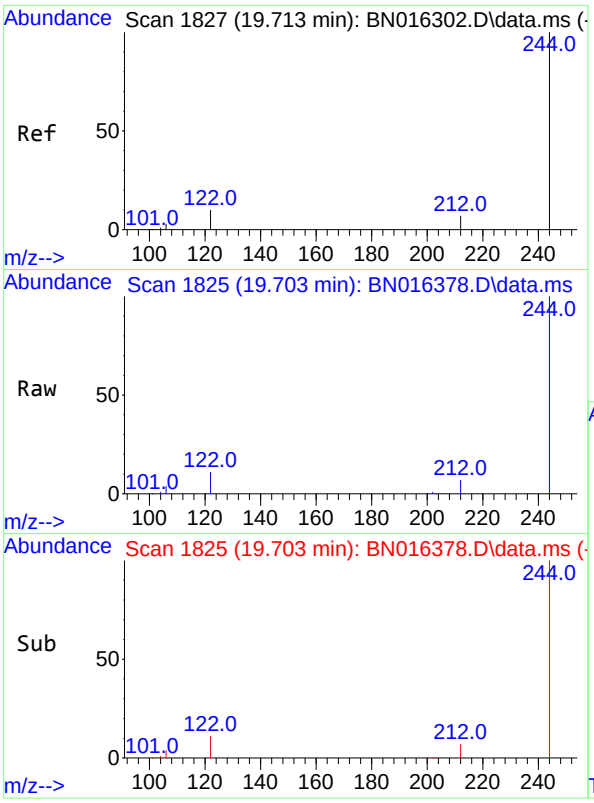
#30
Pyrene
Concen: 0.399 ng
RT: 19.485 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:202 Resp: 100100

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.8	23.6
203	17.4	13.9	20.9



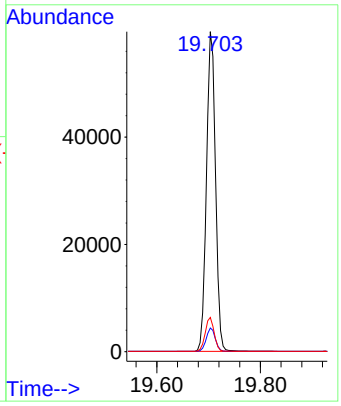
Instrument :
BNA_N
ClientSampleId :
PB139194BS

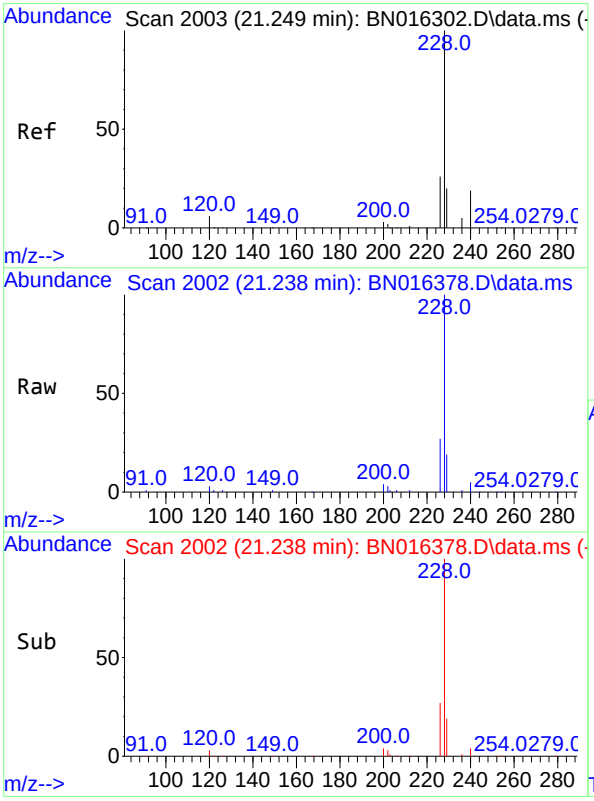


#31
Terphenyl-d14
Concen: 0.394 ng
RT: 19.703 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:244 Resp: 72499

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.5	8.3
122	10.7	9.0	13.4

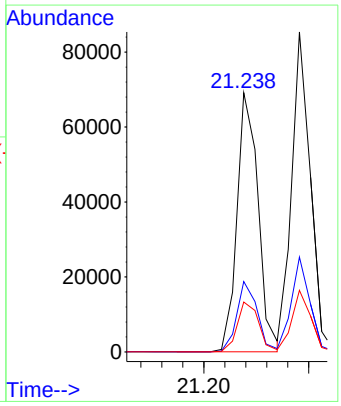




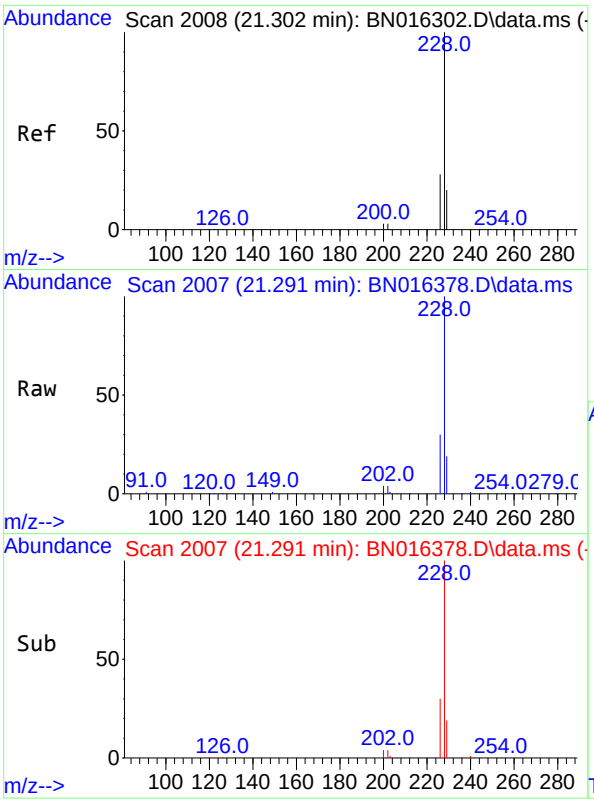
#32
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:228 Resp: 96313

Ion	Ratio	Lower	Upper
228	100		
226	27.2	20.8	31.2
229	19.3	15.8	23.6



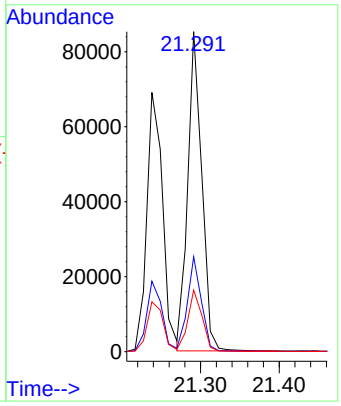
Instrument :
BNA_N
ClientSampleId :
PB139194BS

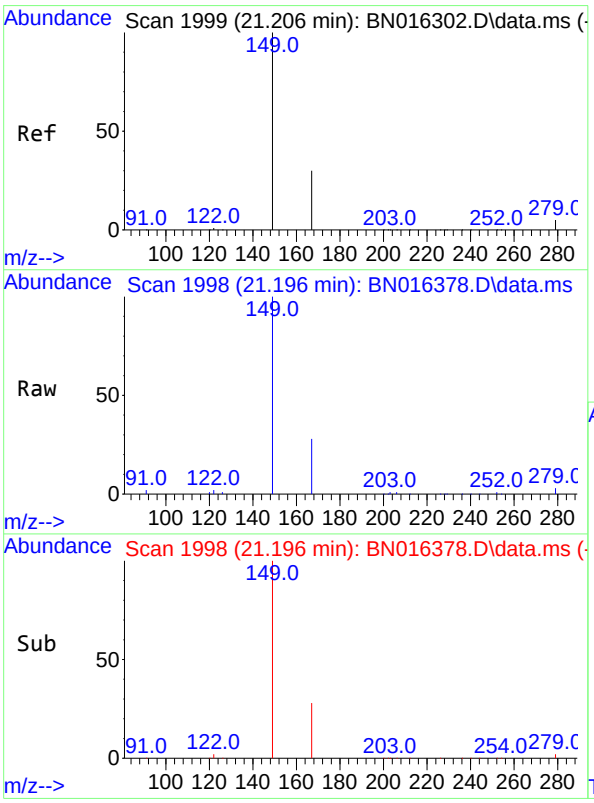


#33
Chrysene
Concen: 0.428 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:228 Resp: 105466

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.4
229	19.2	15.6	23.4

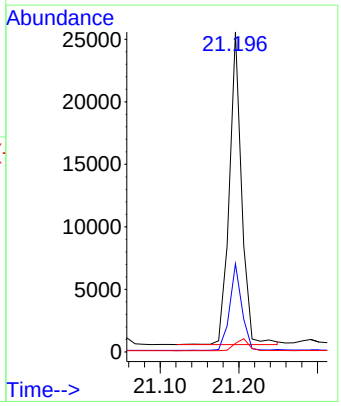




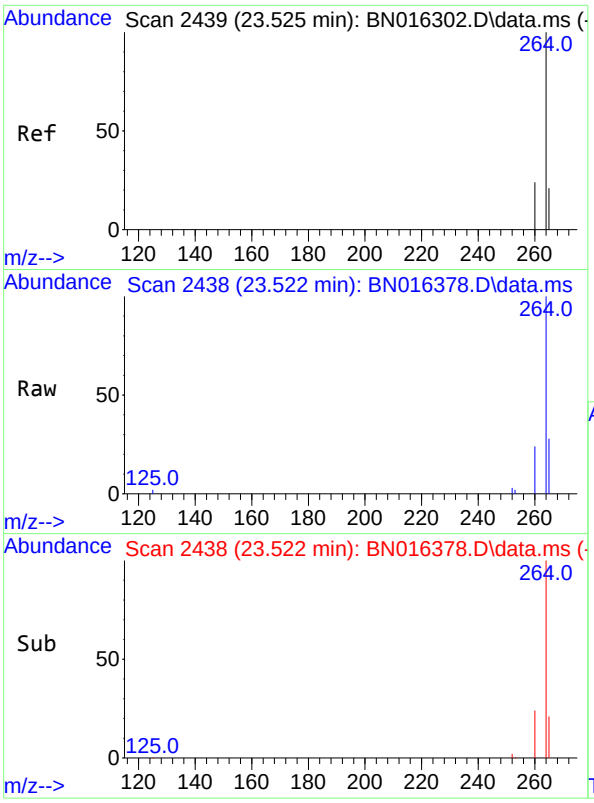
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.197 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:149 Resp: 27063

Ion	Ratio	Lower	Upper
149	100		
167	27.3	23.4	35.0
279	4.5	3.9	5.9



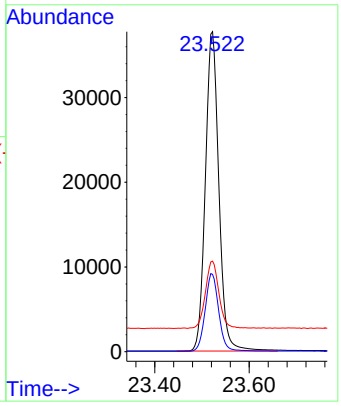
Instrument :
BNA_N
ClientSampleId :
PB139194BS

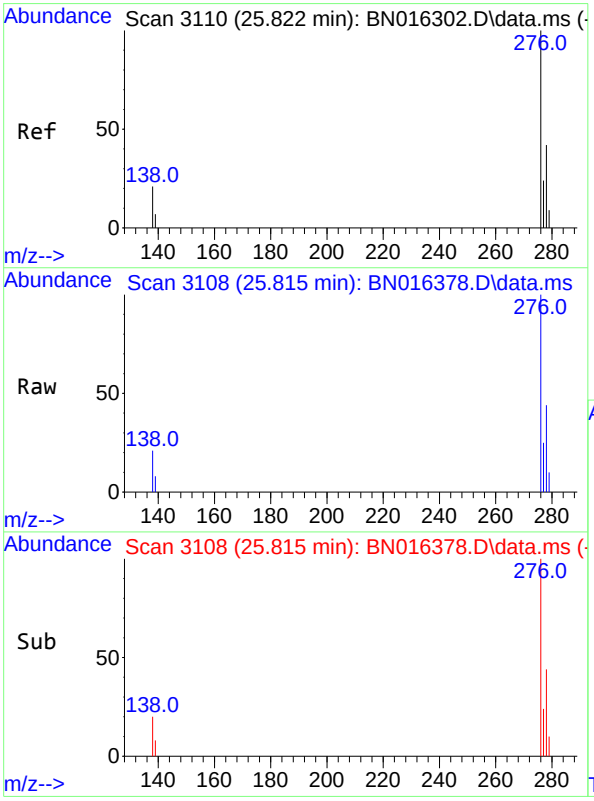


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:264 Resp: 74613

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	28.3	23.7	35.5

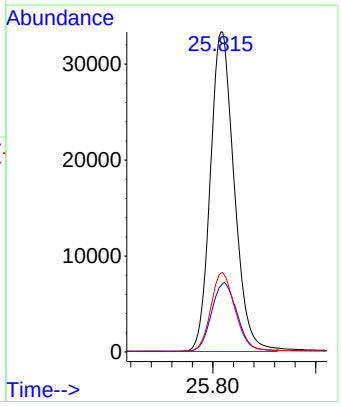




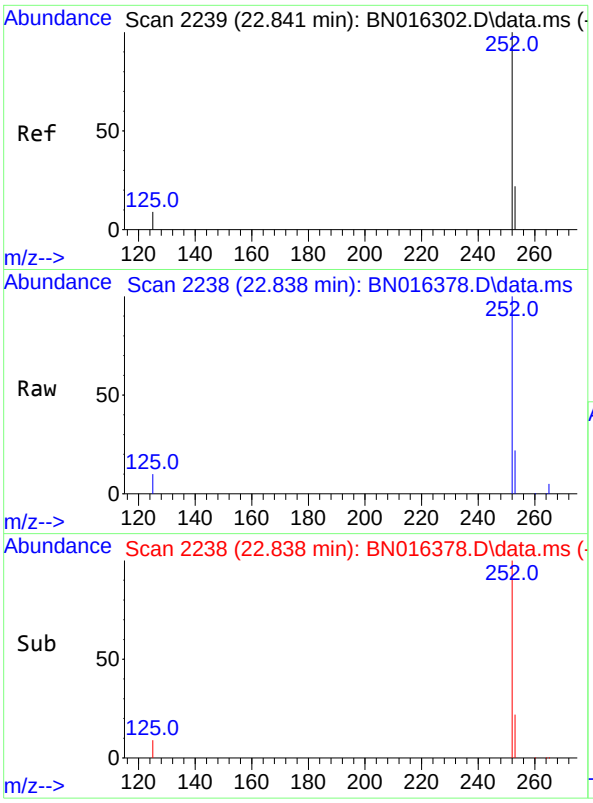
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.445 ng
RT: 25.815 min Scan# 3108
Delta R.T. -0.003 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:276 Resp: 107205

Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.3	28.9
277	25.0	20.2	30.2



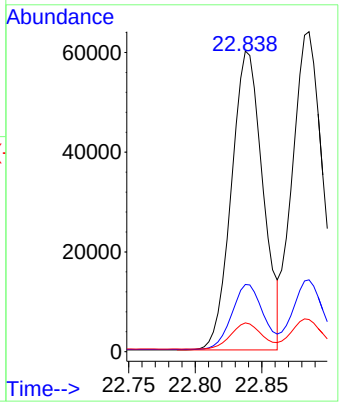
Instrument :
BNA_N
ClientSampleId :
PB139194BS

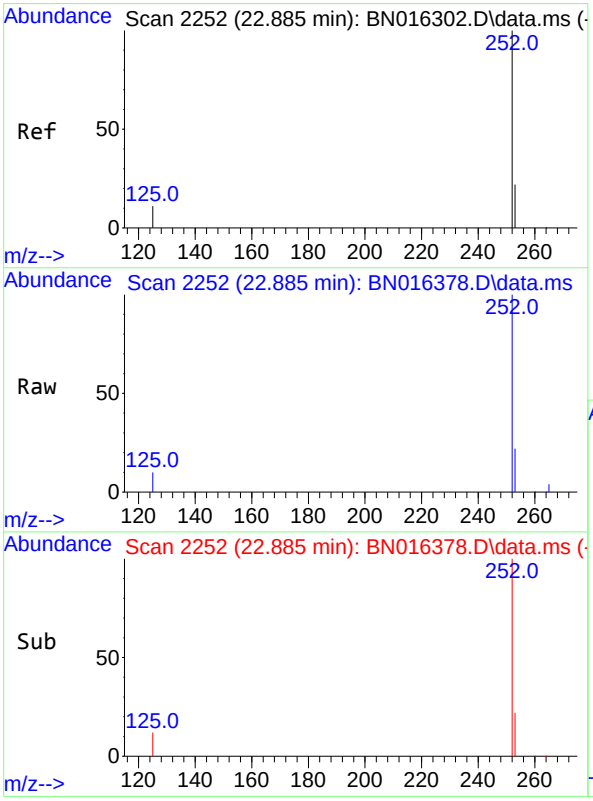


#37
Benzo(b)fluoranthene
Concen: 0.416 ng
RT: 22.838 min Scan# 2238
Delta R.T. -0.003 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:252 Resp: 98602

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	9.6	8.4	12.6

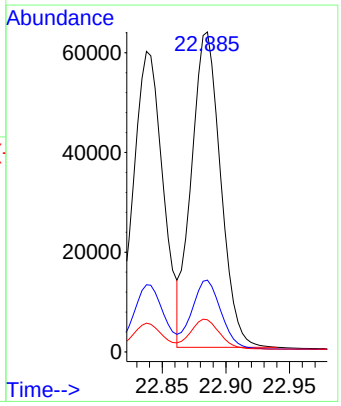




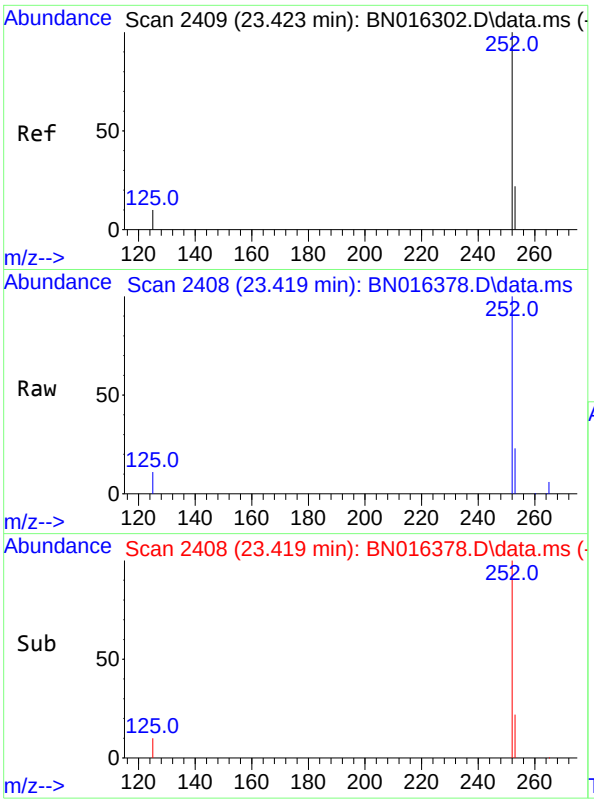
#38
Benzo(k)fluoranthene
Concen: 0.441 ng
RT: 22.885 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:252 Resp: 100635

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	10.0	8.2	12.4



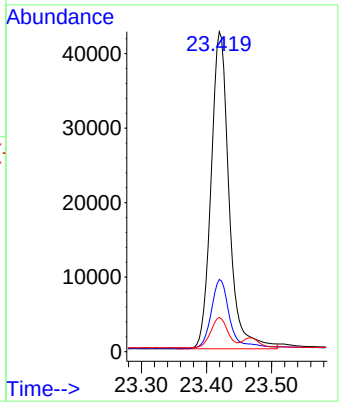
Instrument :
BNA_N
ClientSampleId :
PB139194BS

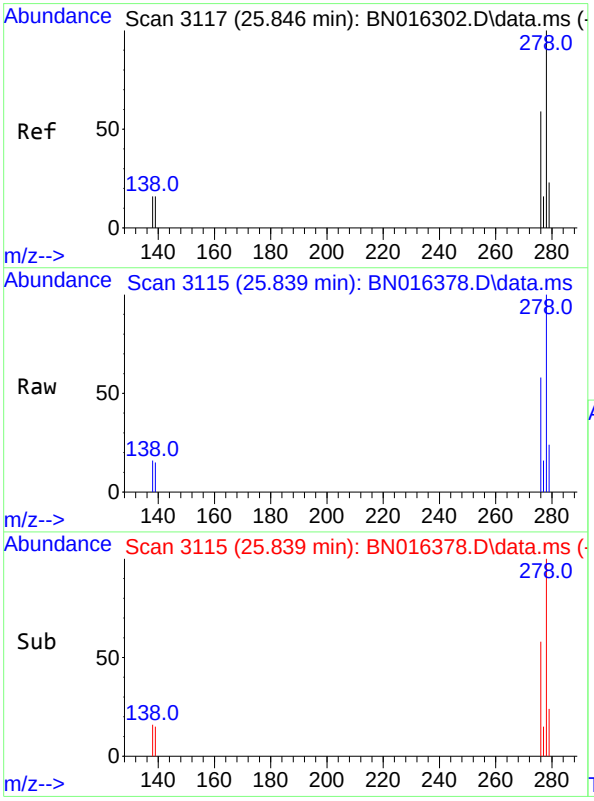


#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.419 min Scan# 2408
Delta R.T. -0.003 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:252 Resp: 81530

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	10.7	9.9	14.9

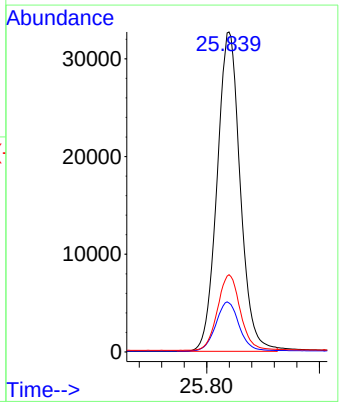


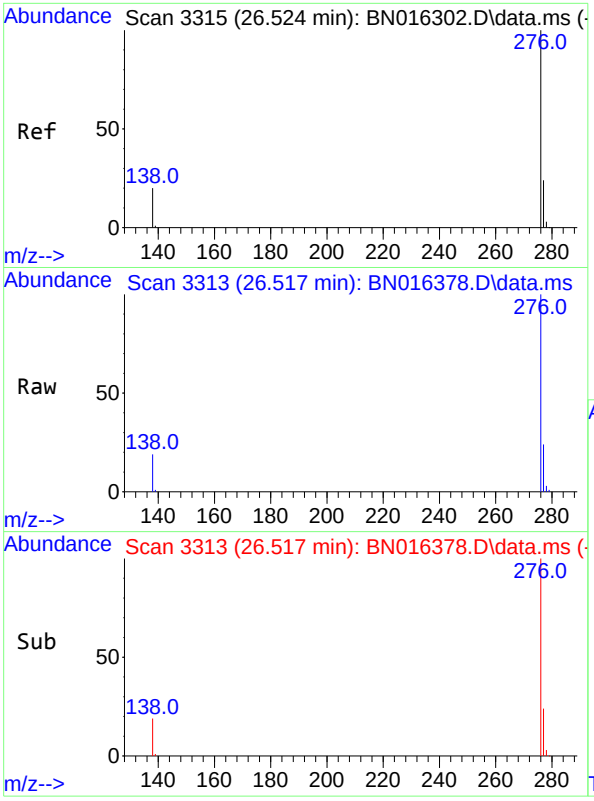


#40
Dibenzo(a,h)anthracene
Concen: 0.455 ng
RT: 25.839 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:278 Resp: 93080

Ion	Ratio	Lower	Upper
278	100		
139	15.3	14.2	21.2
279	24.2	21.3	31.9

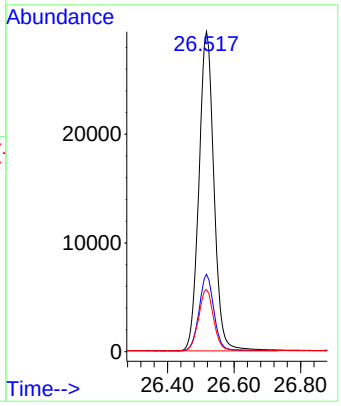




#41
Benzo(g,h,i)perylene
Concen: 0.452 ng
RT: 26.517 min Scan# 3313
Delta R.T. -0.003 min
Lab File: BN016378.D
Acq: 21 Sep 2021 15:15

Tgt Ion:276 Resp: 91923

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.5	30.7
138	19.4	18.2	27.4



Instrument :
BNA_N
ClientSampleId :
PB139194BS