Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016672.D
Acq On : 02 Oct 2021 15:56
Operator : CG/JU
Sample : PB139443BS
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139443BS

Quant Time: Oct 04 03:34:18 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	32959	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	145208	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	76687	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	141600	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	134021	0.40	ng	0.00
35) Perylene-d12	23.484	264	135188	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	29827	0.36	ng	0.00
5) Phenol-d6	6.822	99	32466	0.35	ng	0.00
8) Nitrobenzene-d5	8.784	82	30295	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	81487	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11158	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	116258	0.37	ng	-0.01
27) Fluoranthene-d10	19.068	212	139900	0.37	ng	0.00
31) Terphenyl-d14	19.678	244	116195	0.40	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.244	88	4661	0.31	ng	# 89
3) n-Nitrosodimethylamine	3.595	42	9194	0.38	ng	97
6) bis(2-Chloroethyl)ether	7.080	93	34844	0.39	ng	100
9) Naphthalene	10.457	128	148435	0.38	ng	100
10) Hexachlorobutadiene	10.749	225	28531	0.39	ng	# 100
12) 2-Methylnaphthalene	12.074	142	97049	0.39	ng	100
16) Acenaphthylene	13.990	152	117366	0.35	ng	100
17) Acenaphthene	14.332	154	84471	0.37	ng	100
18) Fluorene	15.322	166	100520	0.38	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	2074	0.25	ng	99
21) 4-Bromophenyl-phenylether	16.227	248	31787	0.36	ng	94
22) Hexachlorobenzene	16.324	284	39196	0.38	ng	99
23) Atrazine	16.506	200	19493	0.31	ng	99
24) Pentachlorophenol	16.677	266	10535	0.31	ng	100
25) Phenanthrene	17.066	178	162598	0.38	ng	100
26) Anthracene	17.151	178	129611	0.35	ng	100
28) Fluoranthene	19.098	202	177073	0.38	ng	100
30) Pyrene	19.460	202	173250	0.40	ng	100
32) Benzo(a)anthracene	21.217	228	150254	0.37	ng	100
33) Chrysene	21.270	228	170664	0.41	ng	100
34) Bis(2-ethylhexyl)phtha...	21.174	149	46942	0.29	ng	99
36) Indeno(1,2,3-cd)pyrene	25.764	276	172250	0.36	ng	100
37) Benzo(b)fluoranthene	22.810	252	159163	0.37	ng	100
38) Benzo(k)fluoranthene	22.855	252	169079	0.39	ng	99
39) Benzo(a)pyrene	23.385	252	144590	0.37	ng	99
40) Dibenzo(a,h)anthracene	25.788	278	134422	0.35	ng	100
41) Benzo(g,h,i)perylene	26.459	276	153850	0.36	ng	100

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

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Instrument :
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Quant Time: Oct 04 03:34:18 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
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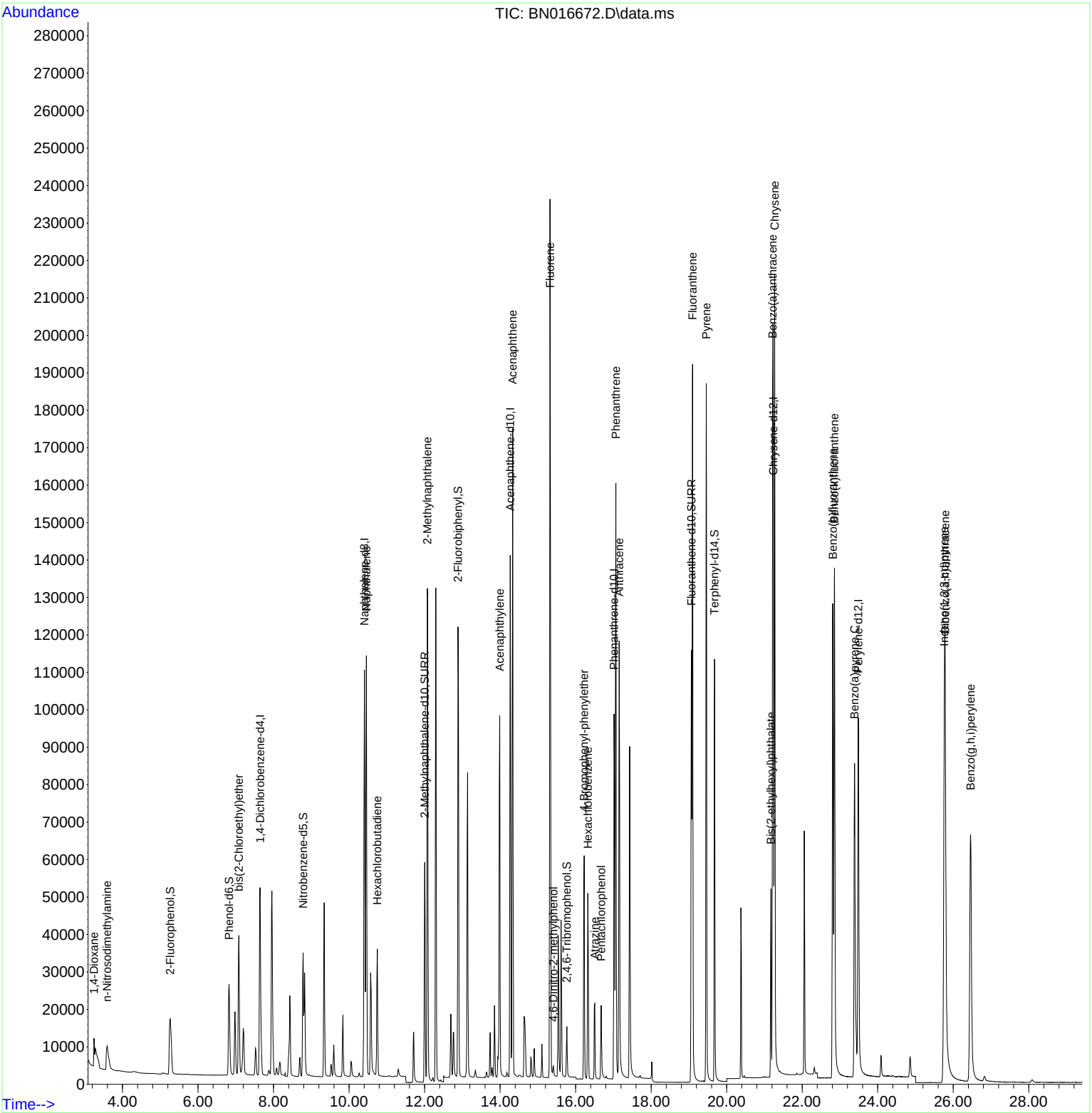

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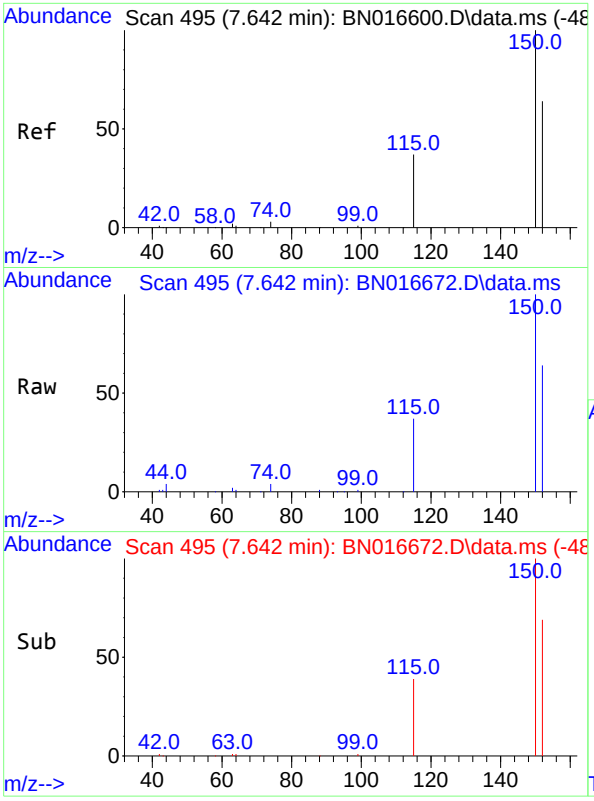
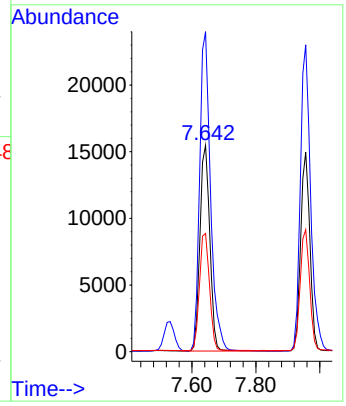
PB139443BS

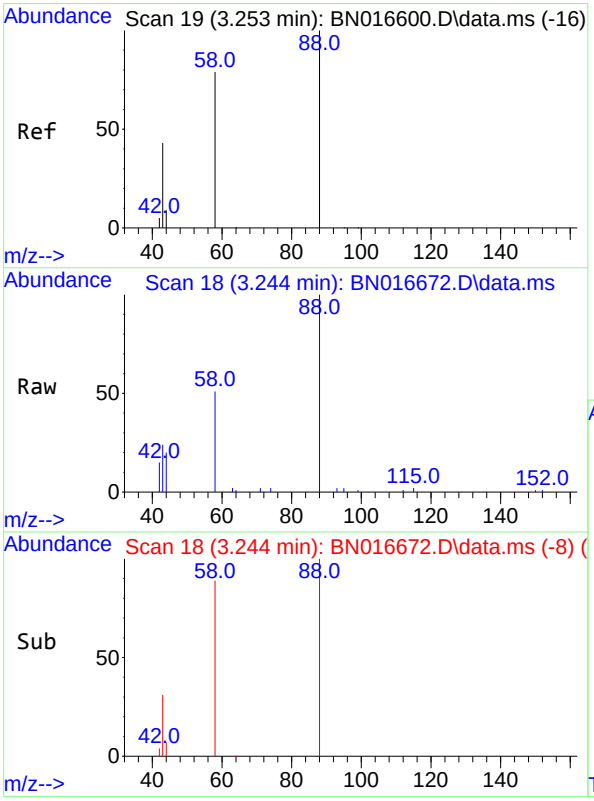


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:152 Resp: 32959

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	57.3	46.5	69.7

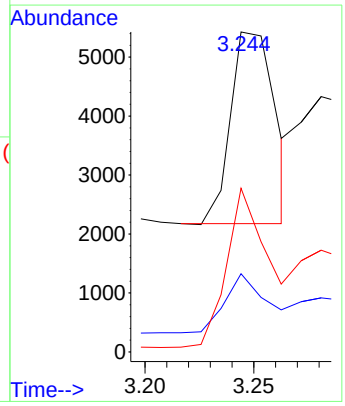




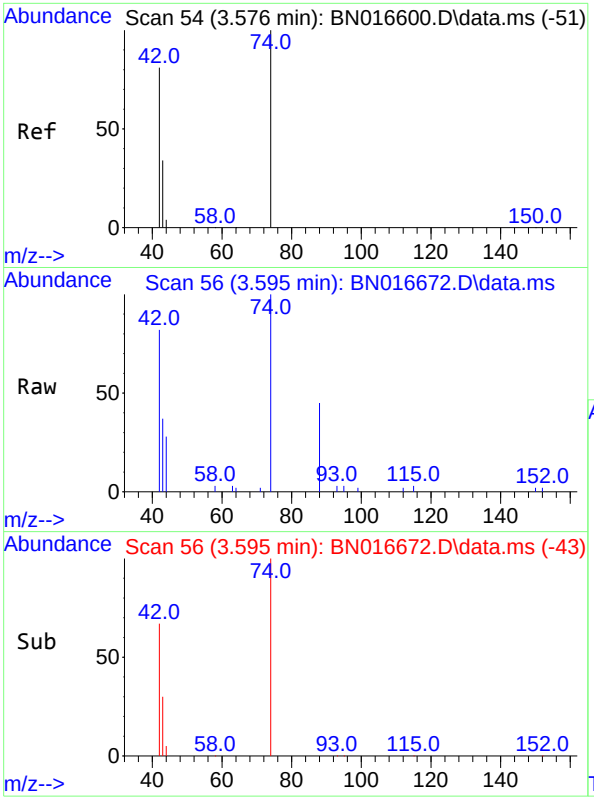
#2
1,4-Dioxane
Concen: 0.31 ng
RT: 3.244 min Scan# 18
Delta R.T. -0.009 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion: 88 Resp: 4661

Ion	Ratio	Lower	Upper
88	100		
43	28.7	37.8	56.8#
58	77.3	61.3	91.9



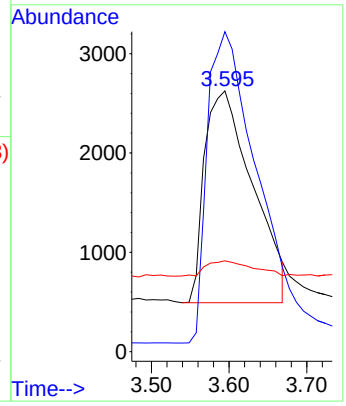
Instrument :
BNA_N
ClientSampleId :
PB139443BS

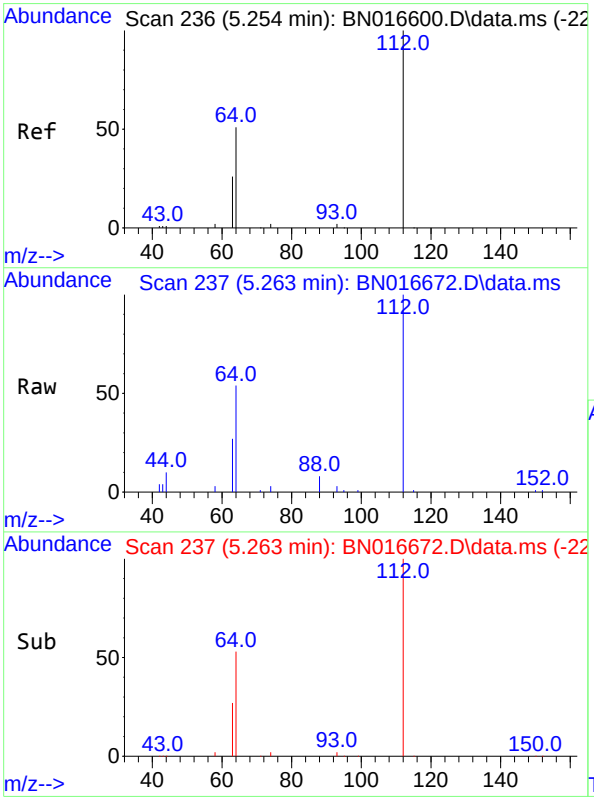


#3
n-Nitrosodimethylamine
Concen: 0.38 ng
RT: 3.595 min Scan# 56
Delta R.T. 0.019 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion: 42 Resp: 9194

Ion	Ratio	Lower	Upper
42	100		
74	147.5	121.6	182.4
44	7.0	6.3	9.5

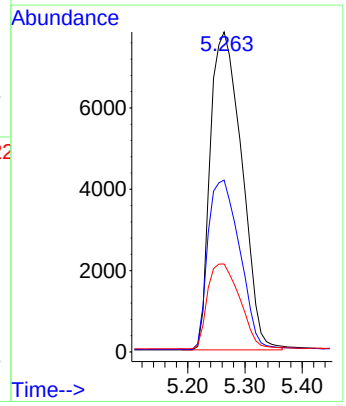




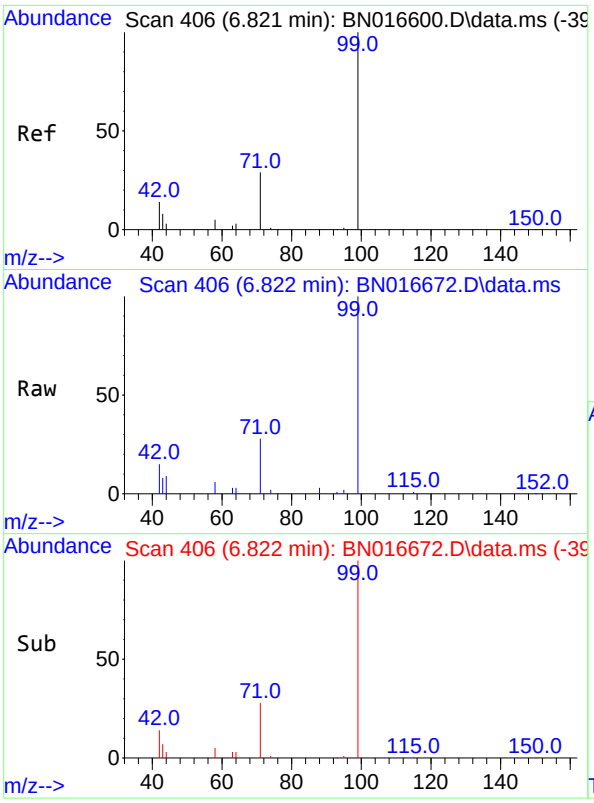
#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.010 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:112 Resp: 29827

Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.1	64.7
63	27.3	21.6	32.4



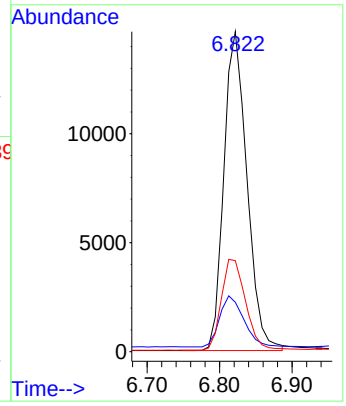
Instrument :
BNA_N
ClientSampleId :
PB139443BS

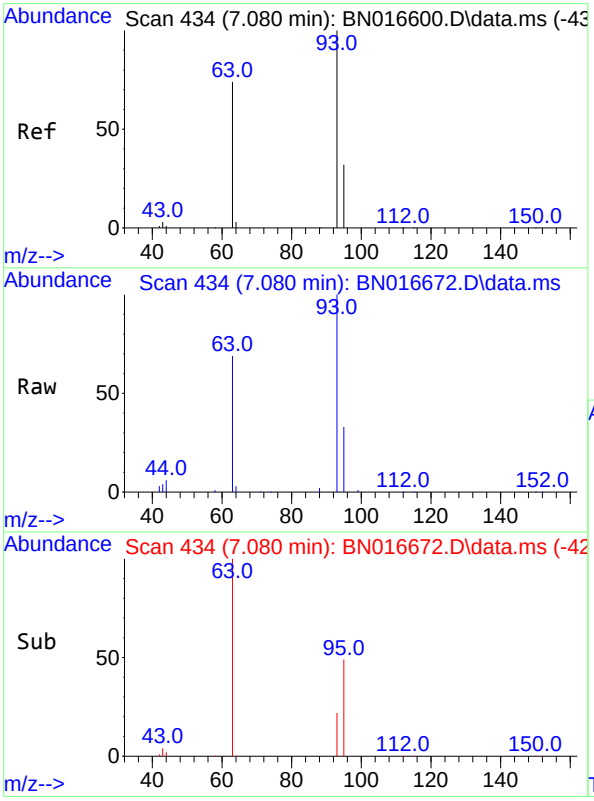


#5
Phenol-d6
Concen: 0.35 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion: 99 Resp: 32466

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.6
71	29.8	23.5	35.3

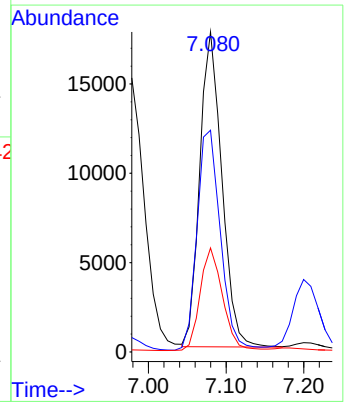




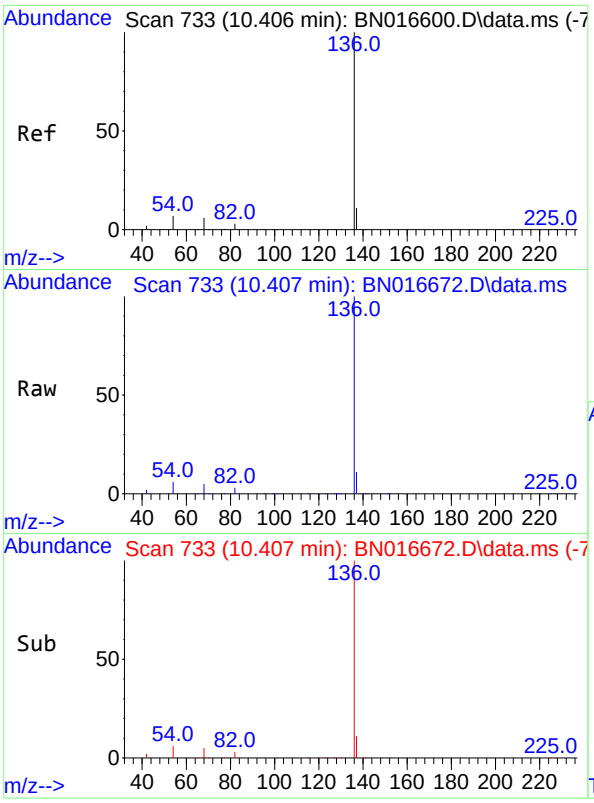
#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion: 93 Resp: 34844

Ion	Ratio	Lower	Upper
93	100		
63	74.2	59.1	88.7
95	33.1	26.2	39.4



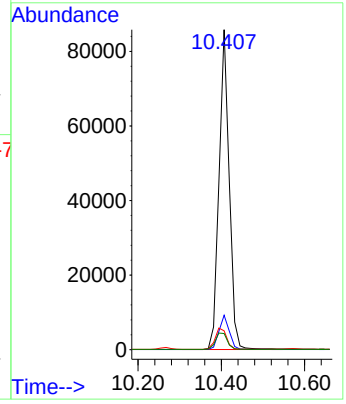
Instrument :
BNA_N
ClientSampleId :
PB139443BS

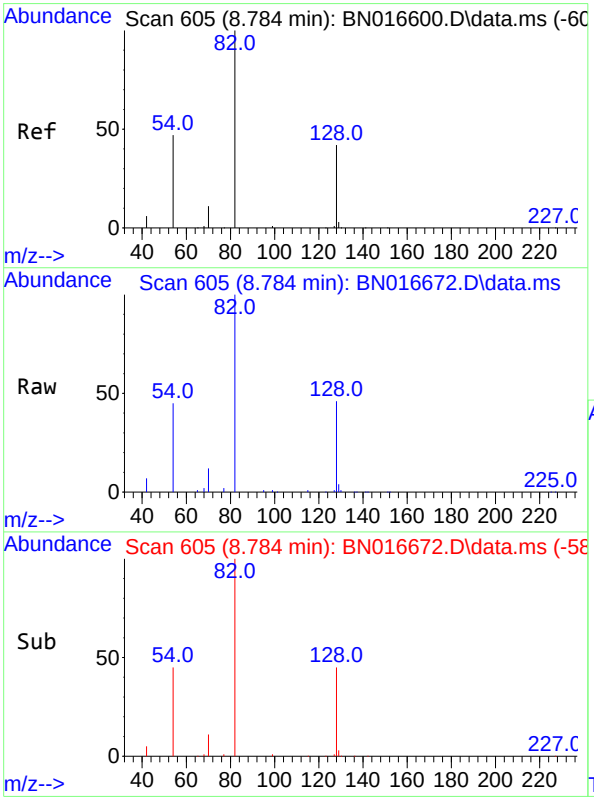


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:136 Resp: 145208

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	5.9	5.9	8.9#
68	5.1	5.0	7.6

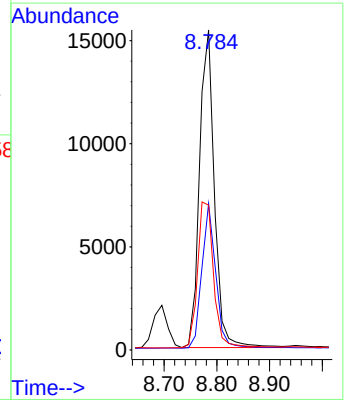




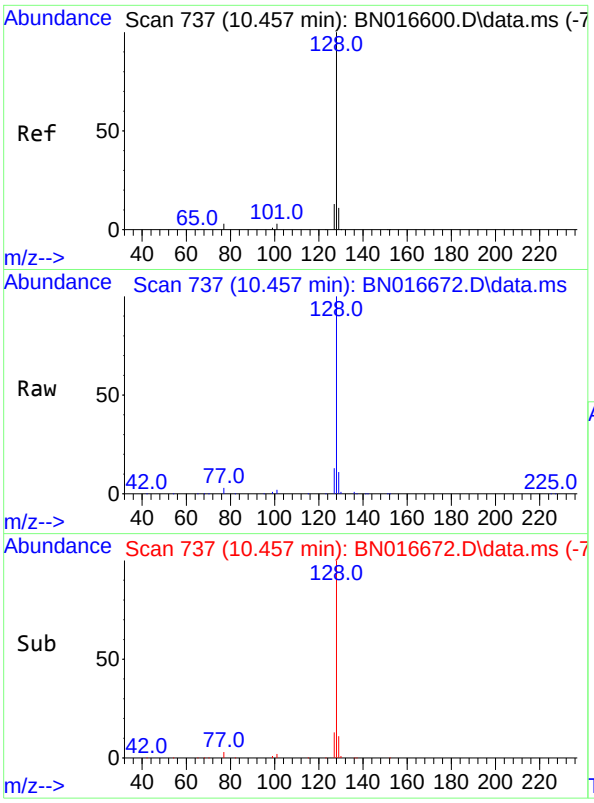
#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion: 82 Resp: 30295

Ion	Ratio	Lower	Upper
82	100		
128	45.7	33.6	50.4
54	45.2	37.6	56.4



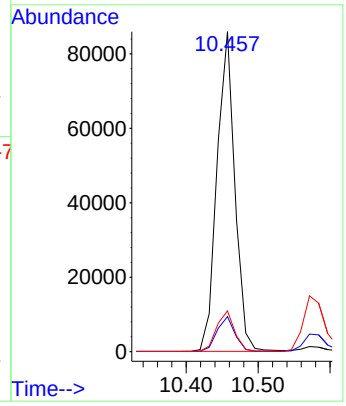
Instrument :
BNA_N
ClientSampleId :
PB139443BS

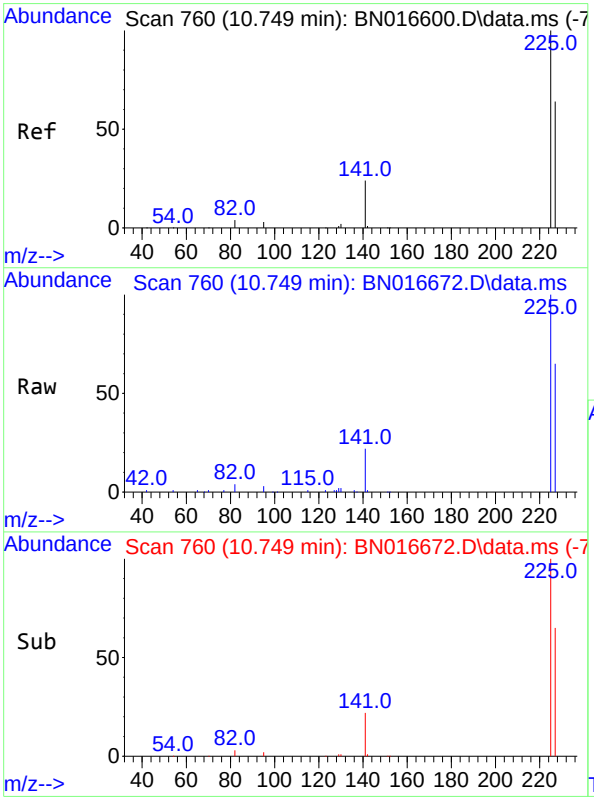


#9
Naphthalene
Concen: 0.38 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:128 Resp: 148435

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.8	10.3	15.5

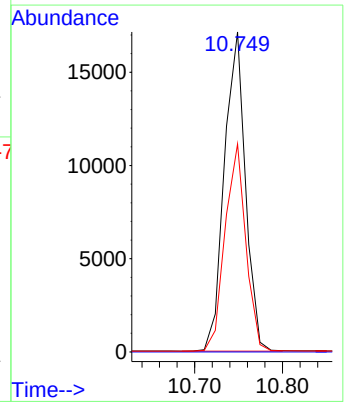




#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 10.749 min Scan# 760
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:225 Resp: 28531

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.0	76.6



Instrument :
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ClientSampleId :
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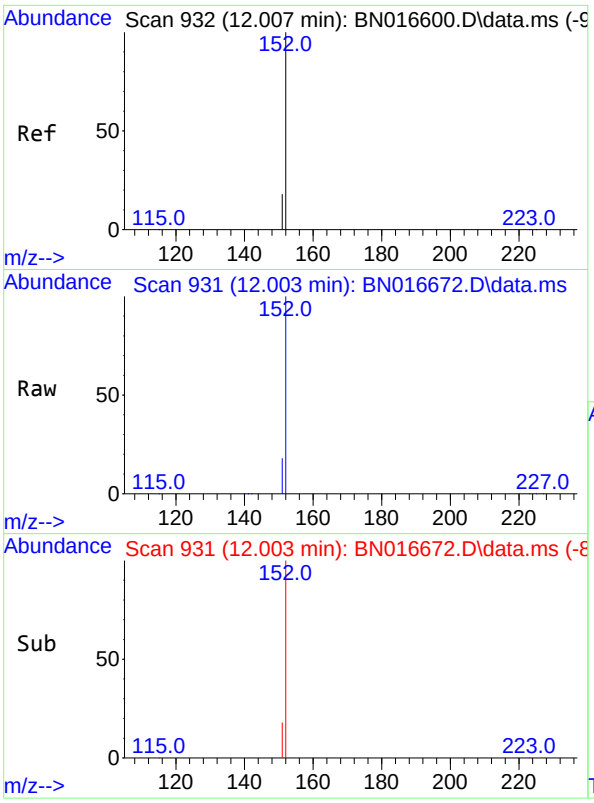
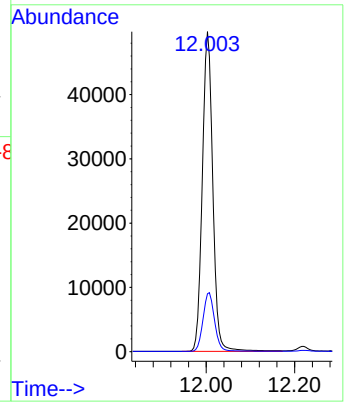
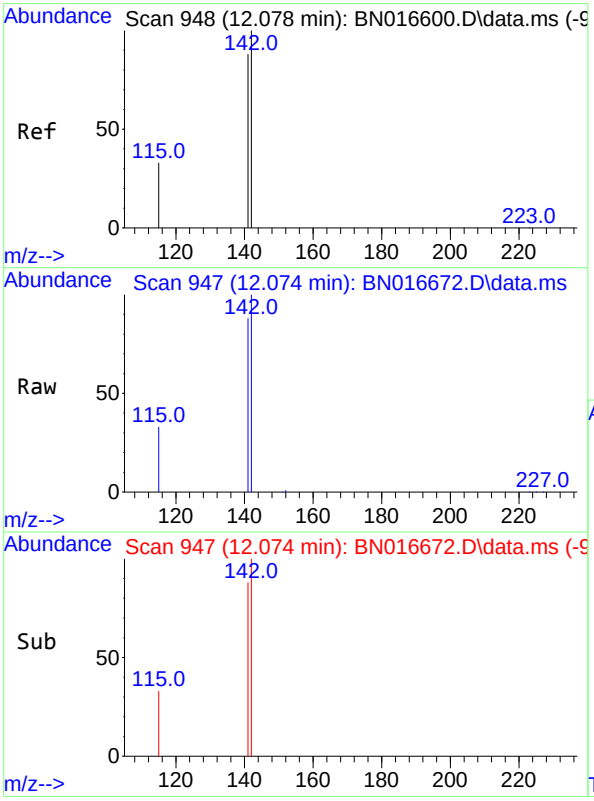


#11
2-Methylnaphthalene-d10
Concen: 0.38 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:152 Resp: 81487

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4

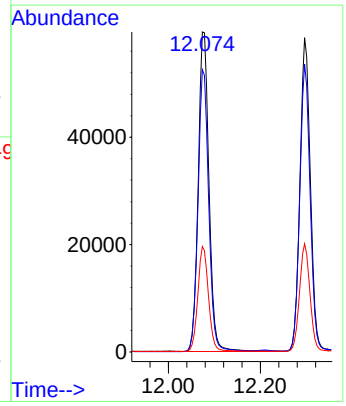




#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:142 Resp: 97049

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.6	105.8
115	33.0	26.6	39.8



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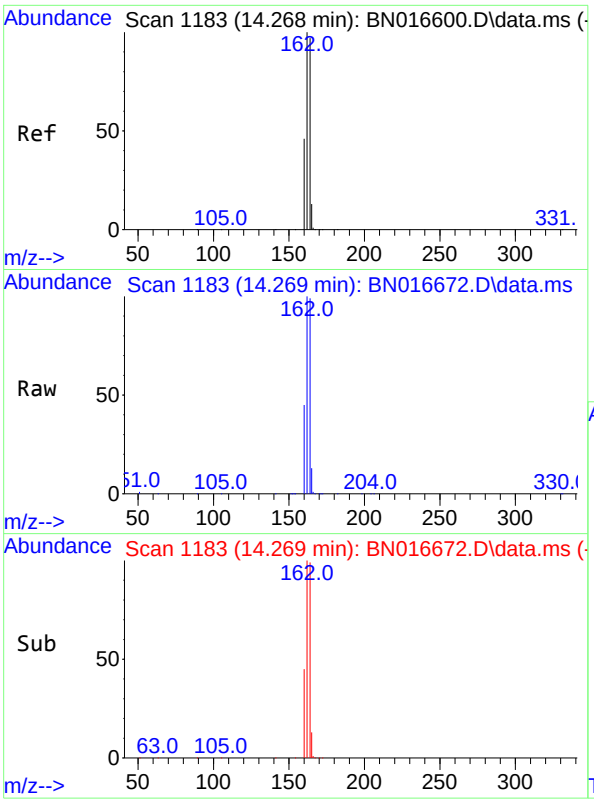
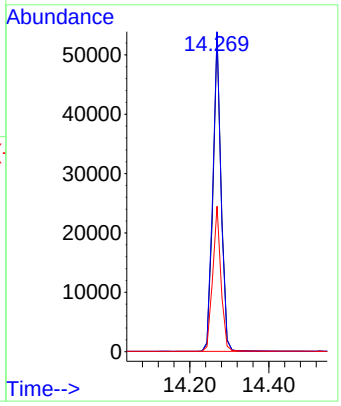
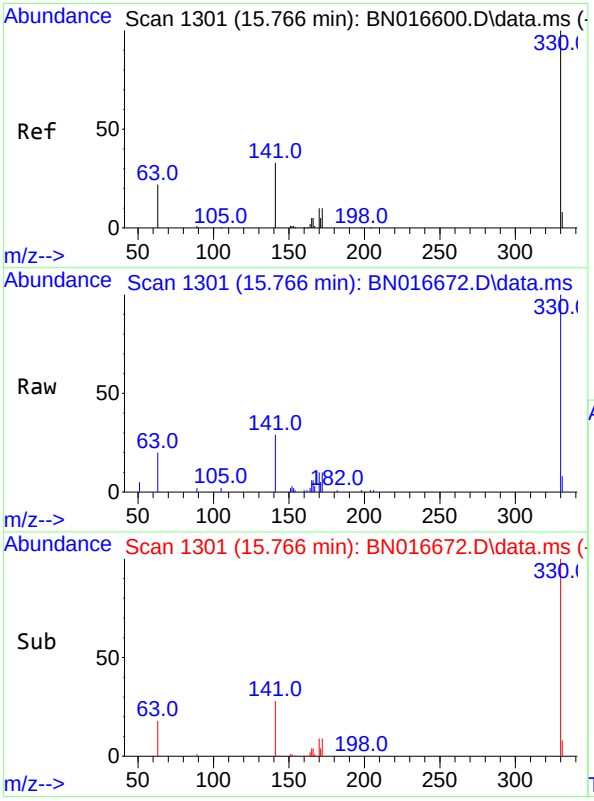


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:164 Resp: 76687

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.2	123.2
160	45.9	37.7	56.5

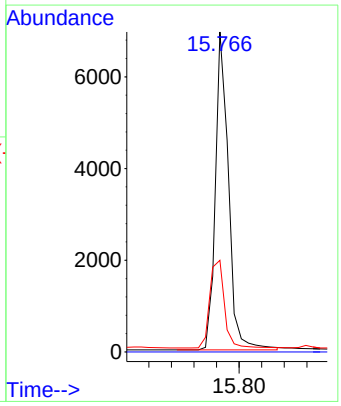




#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:330 Resp: 11158

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.9	25.2	37.8



Instrument :
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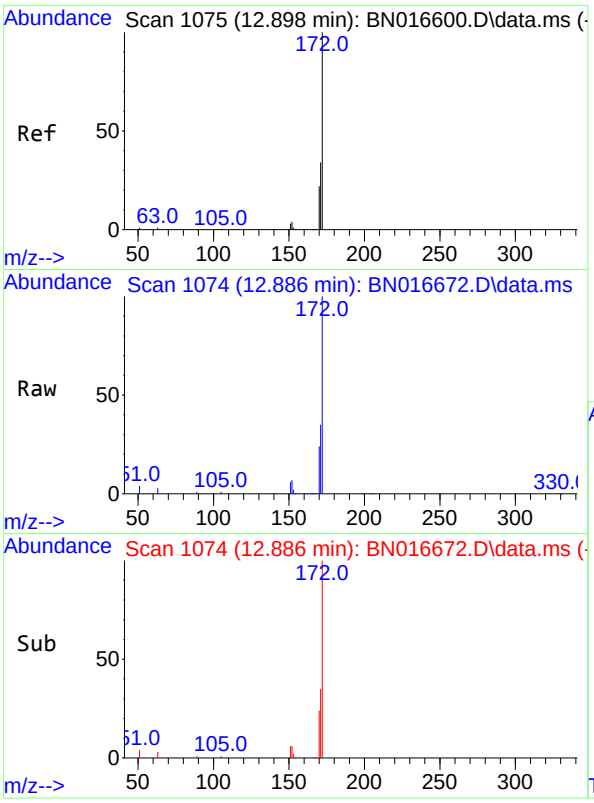
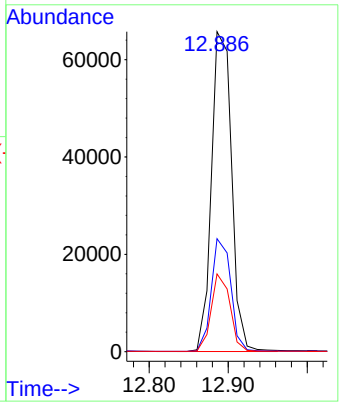
ClientSampleId :
PB139443BS

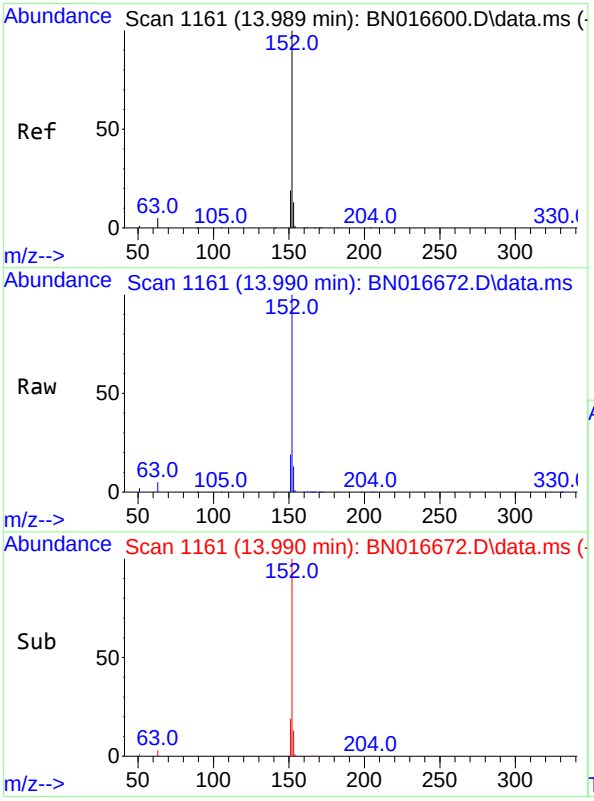


#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:172 Resp: 116258

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.0	40.4
170	24.3	17.4	26.2

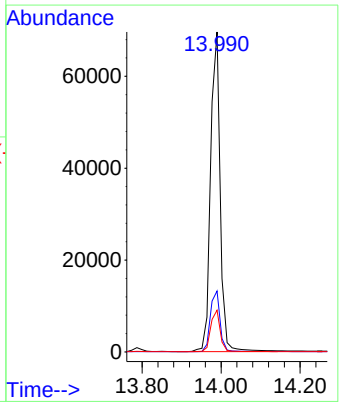




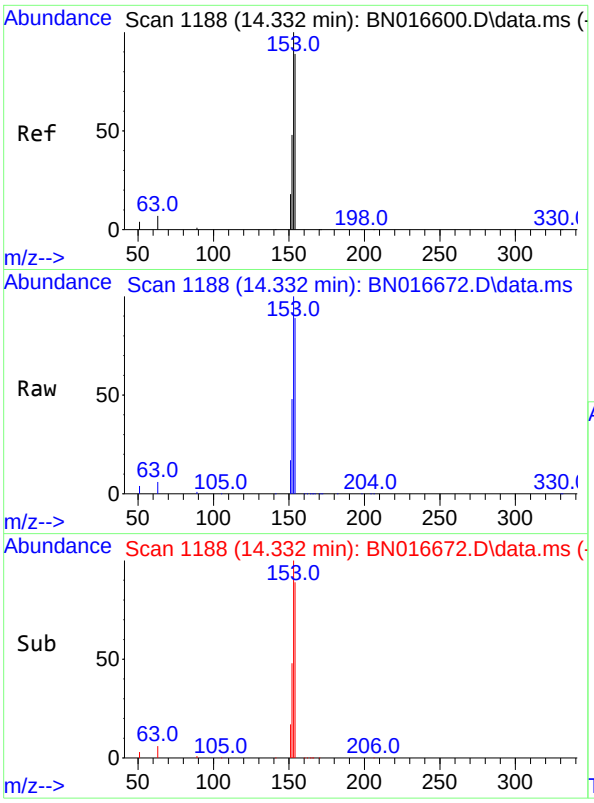
#16
Acenaphthylene
Concen: 0.35 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:152 Resp: 117366

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.0	10.4	15.6



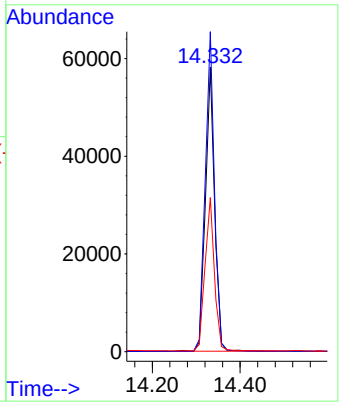
Instrument :
BNA_N
ClientSampleId :
PB139443BS

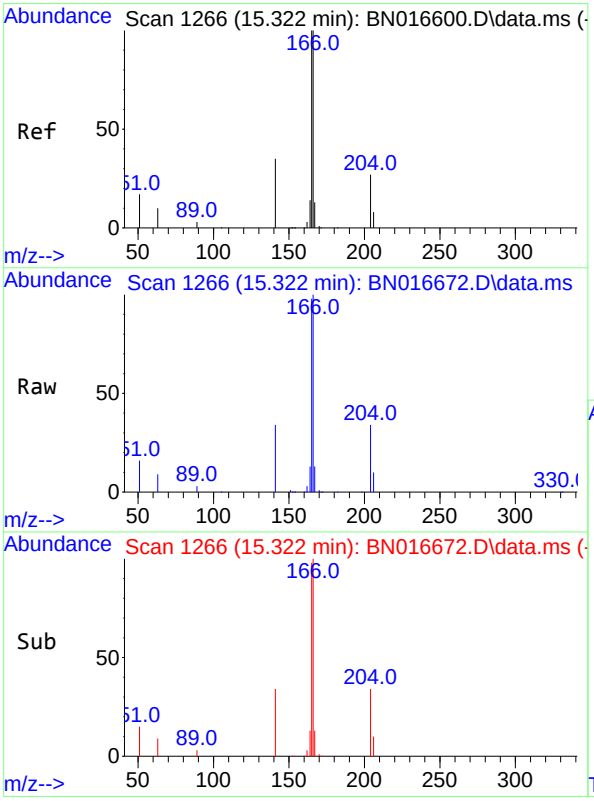


#17
Acenaphthene
Concen: 0.37 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:154 Resp: 84471

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.2	135.2
152	55.3	44.0	66.0

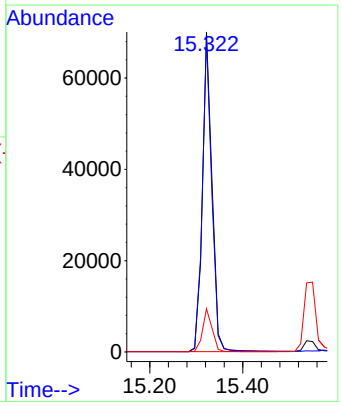




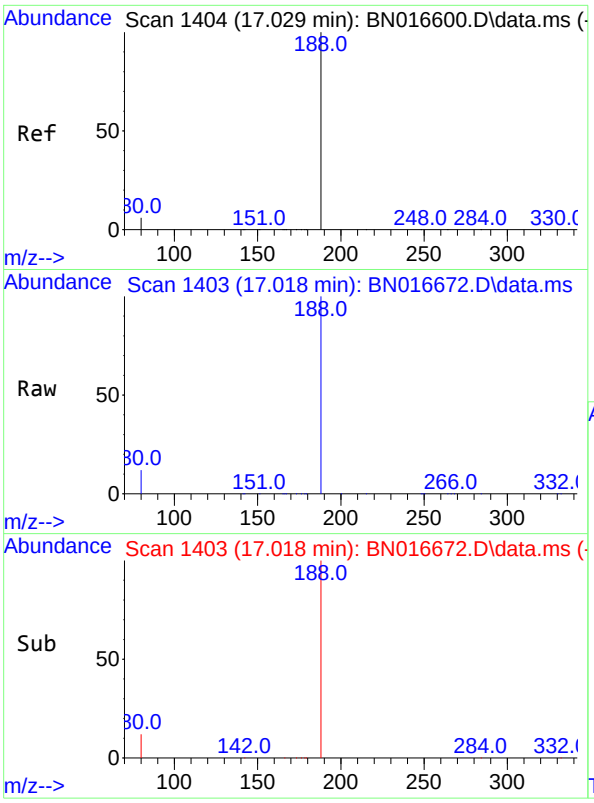
#18
Fluorene
Concen: 0.38 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:166 Resp: 100520

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.9	116.9
167	13.5	10.7	16.1



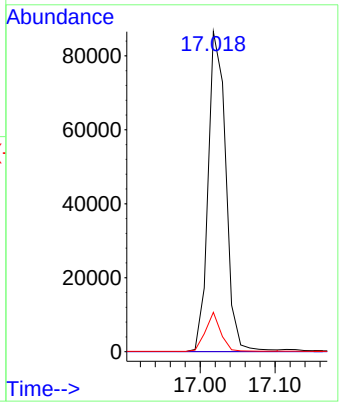
Instrument :
BNA_N
ClientSampleId :
PB139443BS

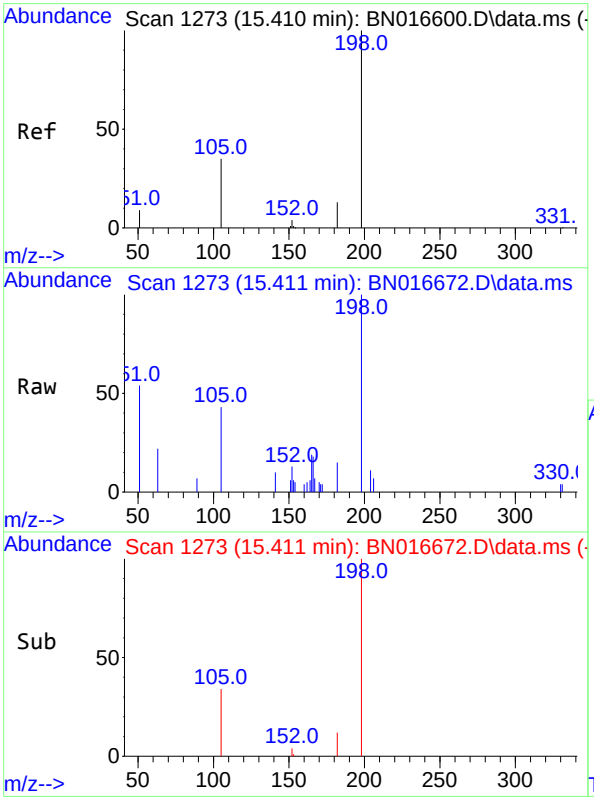


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:188 Resp: 141600

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.3	5.0	7.6#

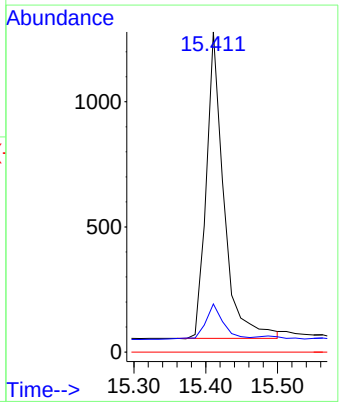




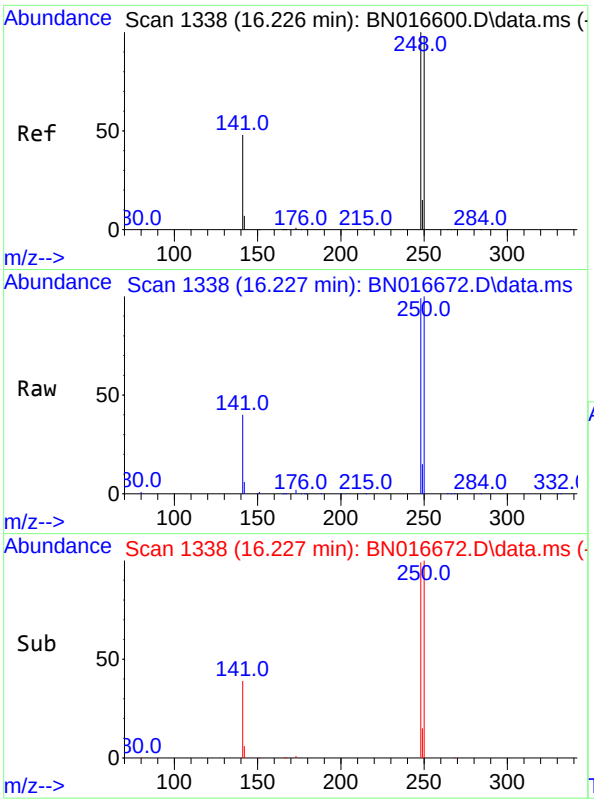
#20
4,6-Dinitro-2-methylphenol
Concen: 0.25 ng
RT: 15.411 min Scan# 1273
Delta R.T. 0.001 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:198 Resp: 2074

Ion	Ratio	Lower	Upper
198	100		
182	15.0	11.8	17.8
77	0.0	0.0	0.0



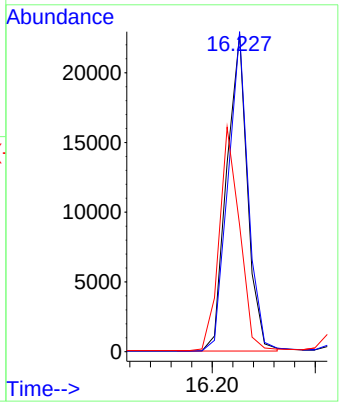
Instrument :
BNA_N
ClientSampleId :
PB139443BS

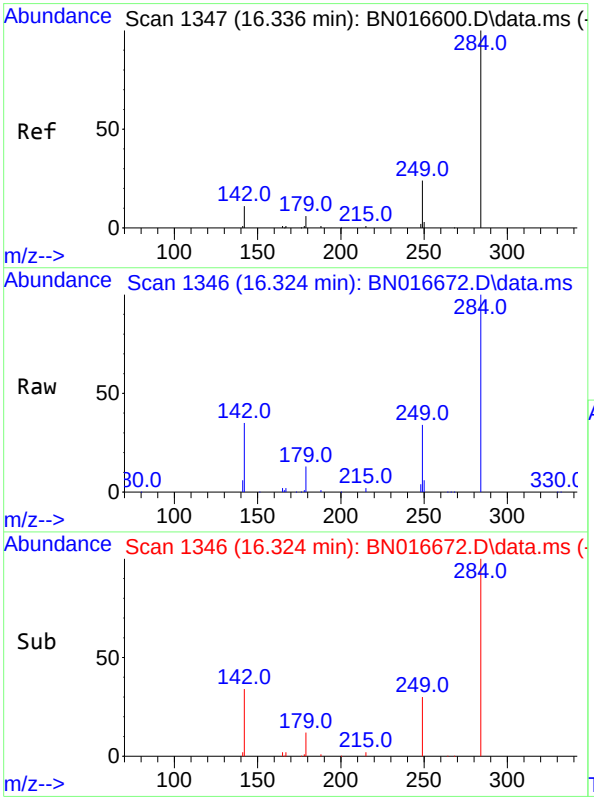


#21
4-Bromophenyl-phenylether
Concen: 0.36 ng
RT: 16.227 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:248 Resp: 31787

Ion	Ratio	Lower	Upper
248	100		
250	100.9	78.6	117.8
141	39.9	38.6	57.8

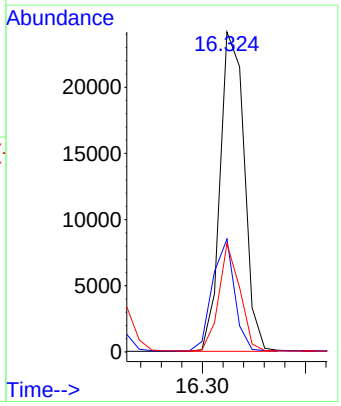




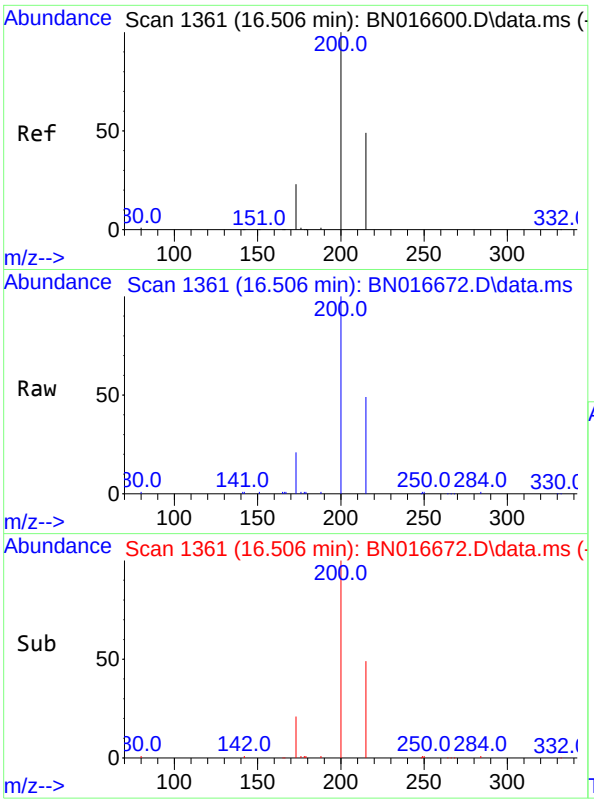
#22
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.324 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:284 Resp: 39196

Ion	Ratio	Lower	Upper
284	100		
142	32.0	26.4	39.6
249	29.2	23.4	35.2



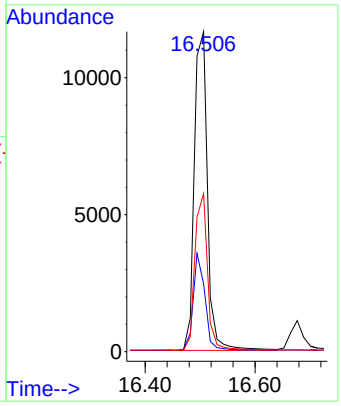
Instrument :
BNA_N
ClientSampleId :
PB139443BS

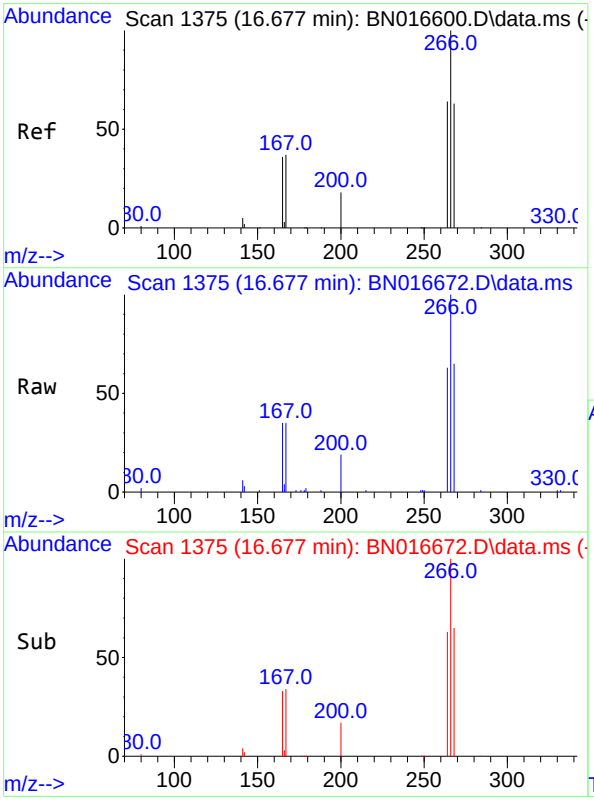


#23
Atrazine
Concen: 0.31 ng
RT: 16.506 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:200 Resp: 19493

Ion	Ratio	Lower	Upper
200	100		
173	21.2	18.6	27.8
215	49.4	39.4	59.2

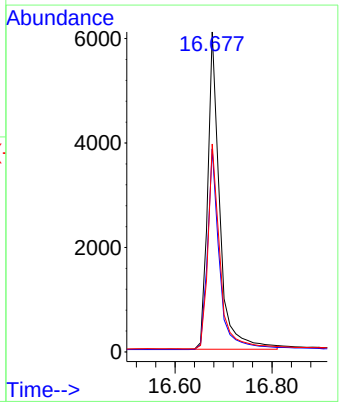




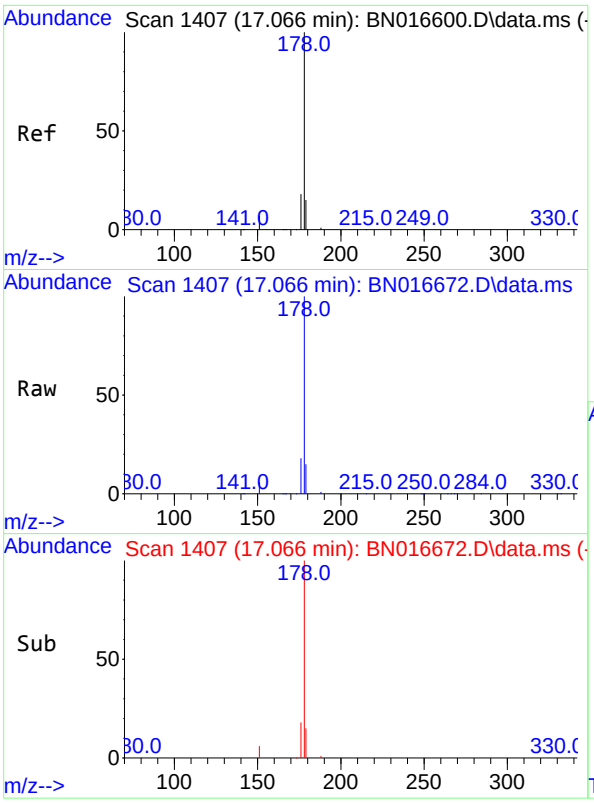
#24
Pentachlorophenol
Concen: 0.31 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:266 Resp: 10535

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.8	74.6
268	64.4	51.4	77.2



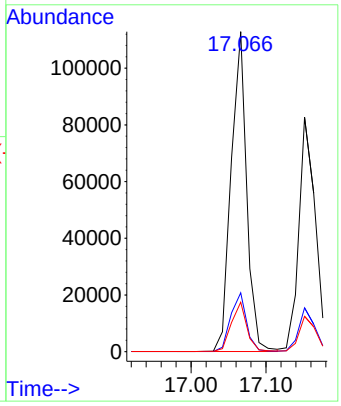
Instrument :
BNA_N
ClientSampleId :
PB139443BS

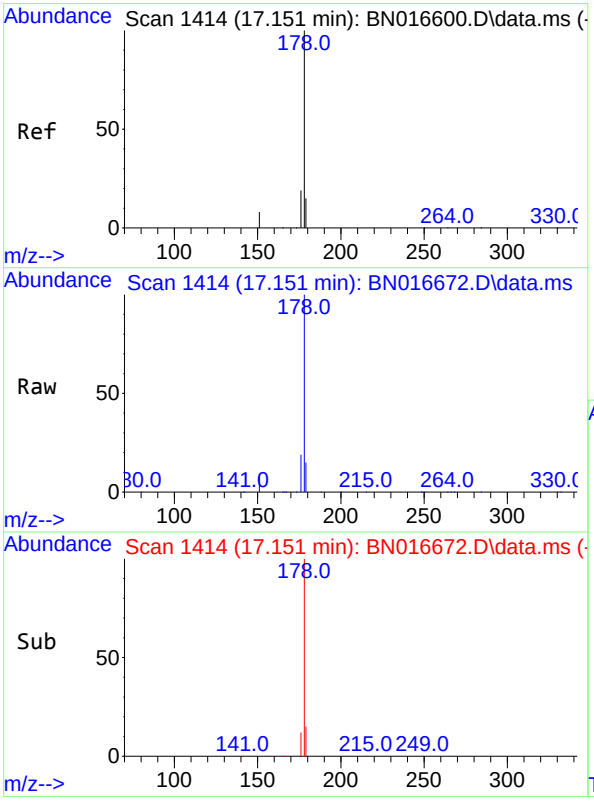


#25
Phenanthrene
Concen: 0.38 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:178 Resp: 162598

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	12.2	18.4

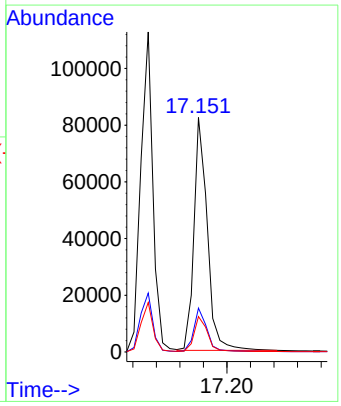


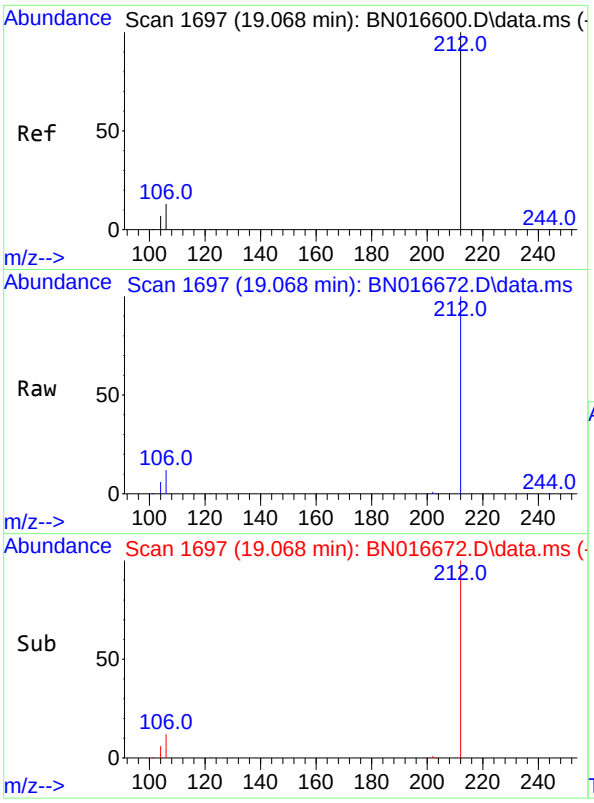


#26
Anthracene
Concen: 0.35 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:178 Resp: 129611

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.2	12.2	18.4

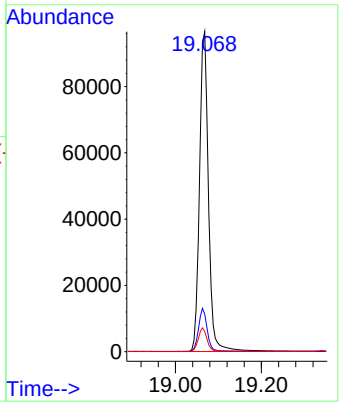




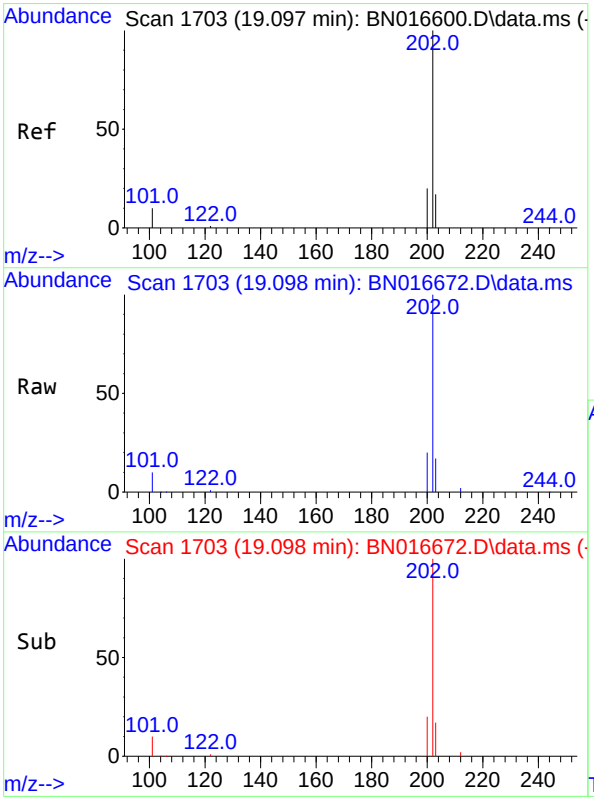
#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:212 Resp: 139900

Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.6	16.0
104	7.2	5.9	8.9



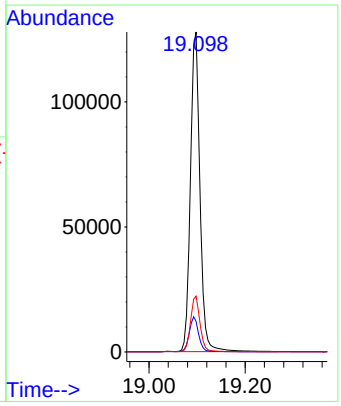
Instrument :
BNA_N
ClientSampleId :
PB139443BS



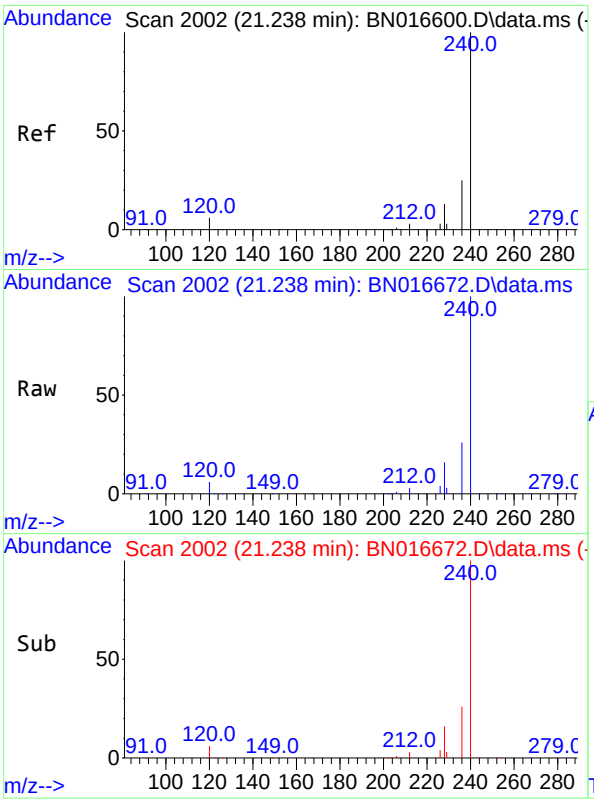
#28
Fluoranthene
Concen: 0.38 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:202 Resp: 177073

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.0	13.4
203	17.3	13.8	20.6



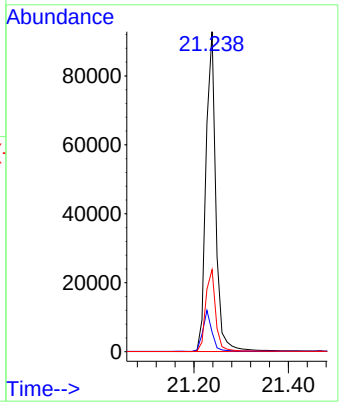
Instrument :
BNA_N
ClientSampleId :
PB139443BS

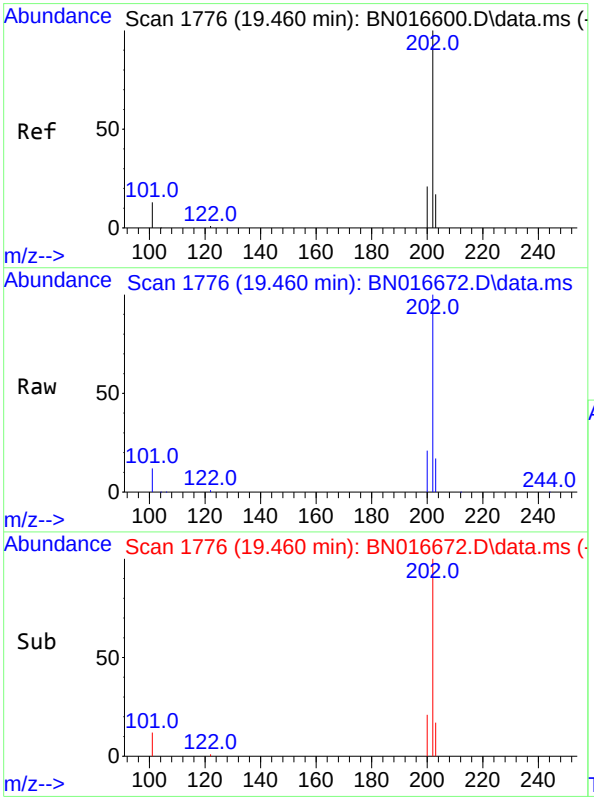


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:240 Resp: 134021

Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.0	7.4
236	25.7	20.4	30.6

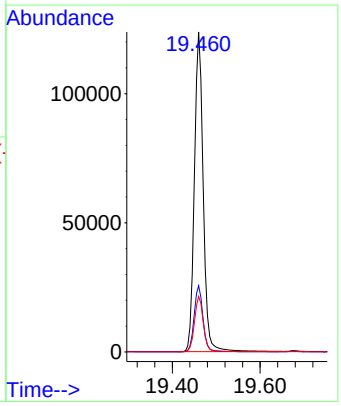




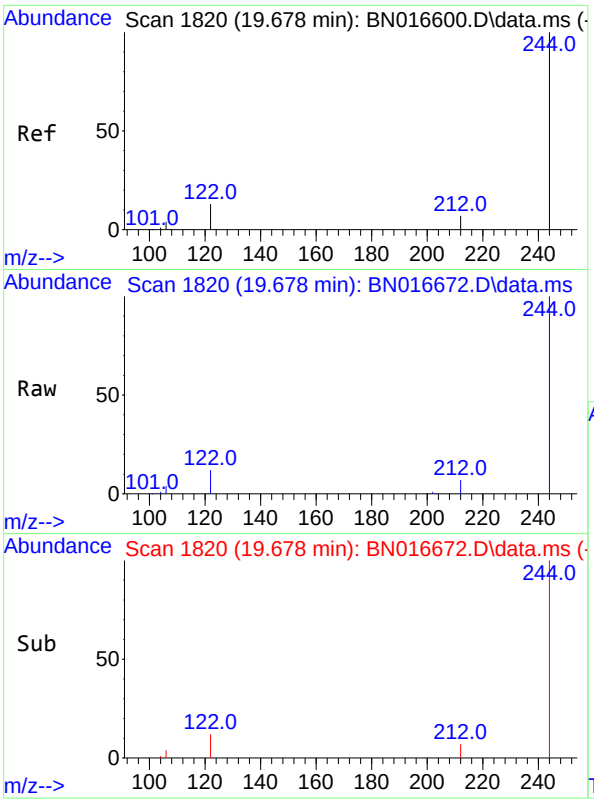
#30
Pyrene
Concen: 0.40 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:202 Resp: 173250

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.4	14.0	21.0



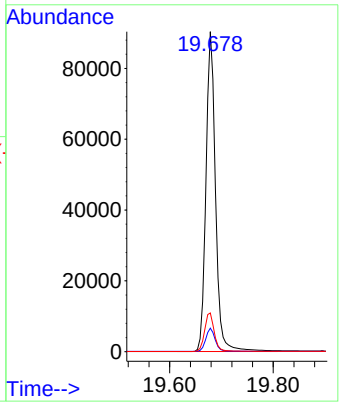
Instrument :
BNA_N
ClientSampleId :
PB139443BS

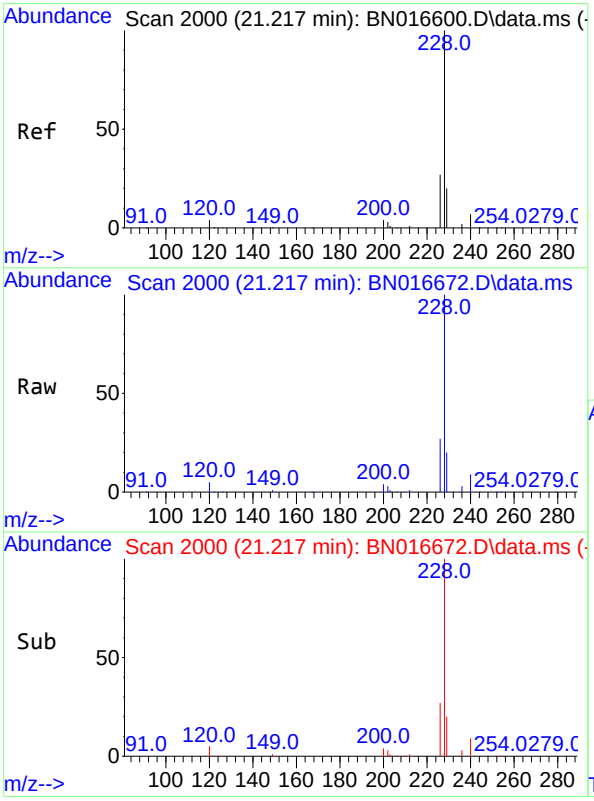


#31
Terphenyl-d14
Concen: 0.40 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:244 Resp: 116195

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.1	10.1	15.1

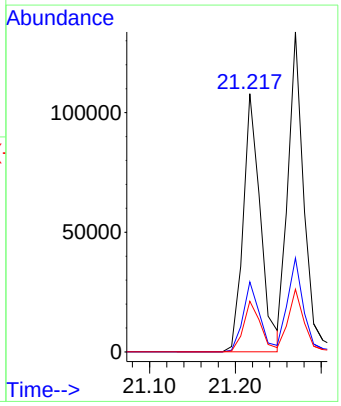




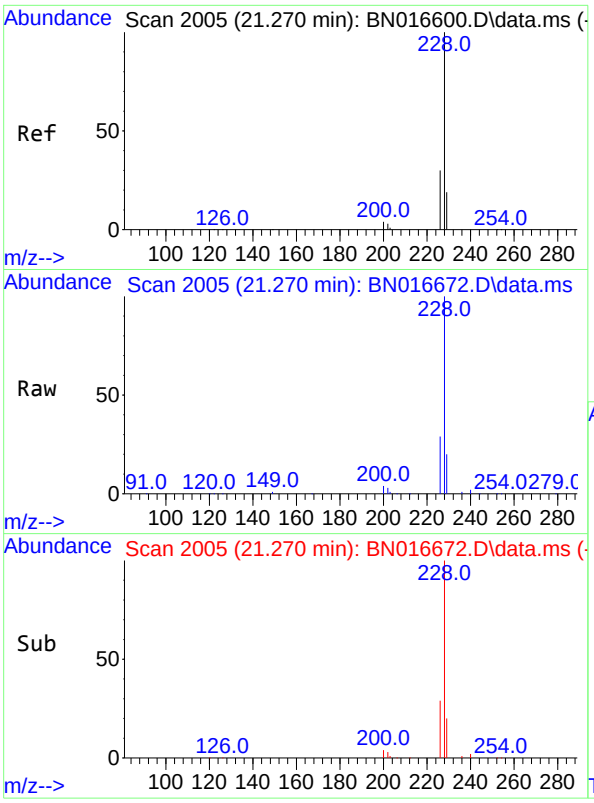
#32
Benzo(a)anthracene
Concen: 0.37 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:228 Resp: 150254

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.7	15.7	23.5



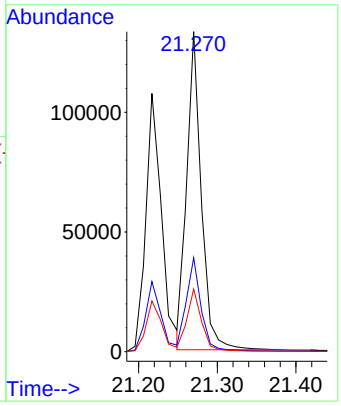
Instrument :
BNA_N
ClientSampleId :
PB139443BS

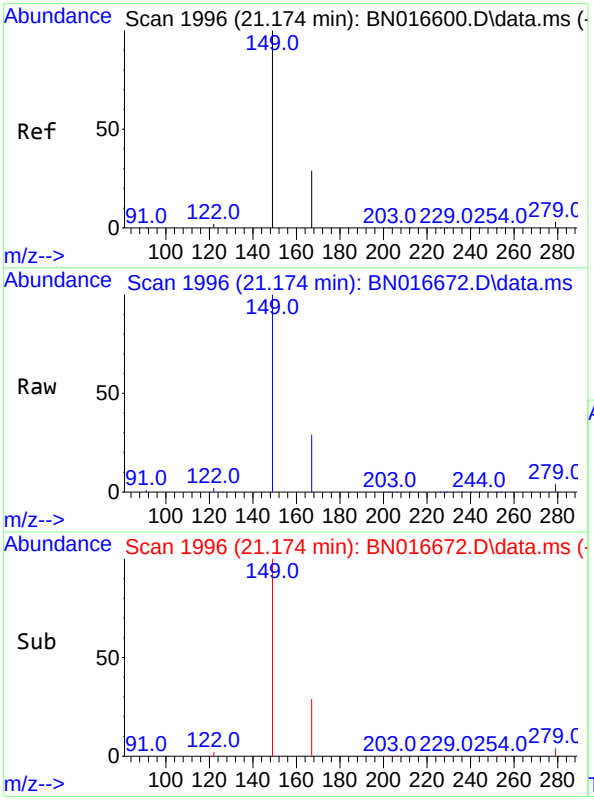


#33
Chrysene
Concen: 0.41 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:228 Resp: 170664

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	19.6	15.5	23.3

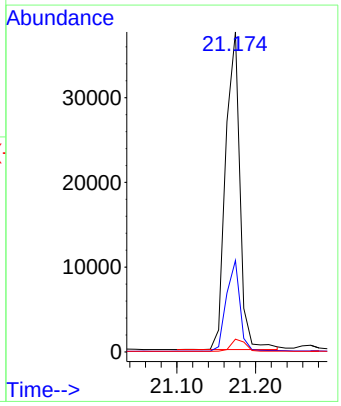


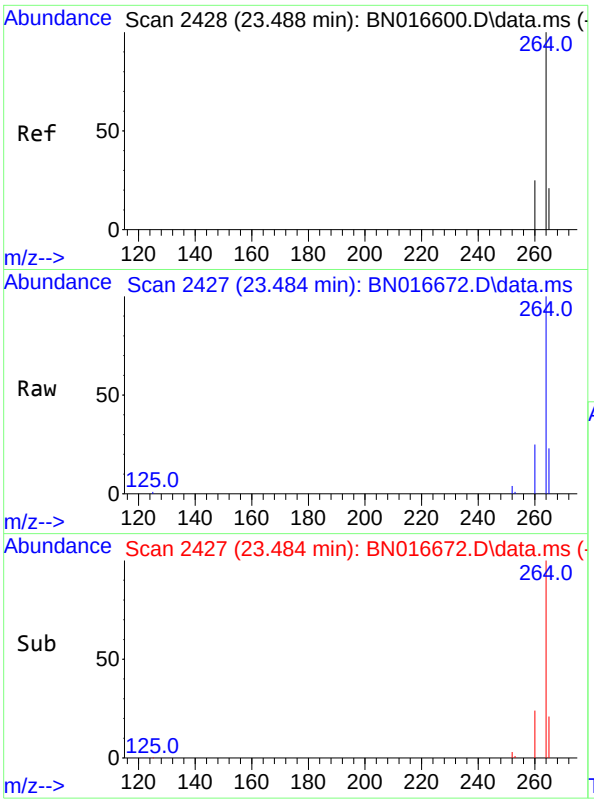


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:149 Resp: 46942

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.2	33.4
279	3.9	3.2	4.8

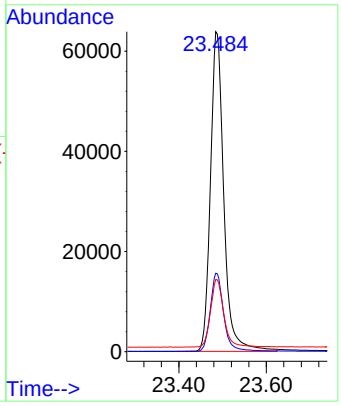




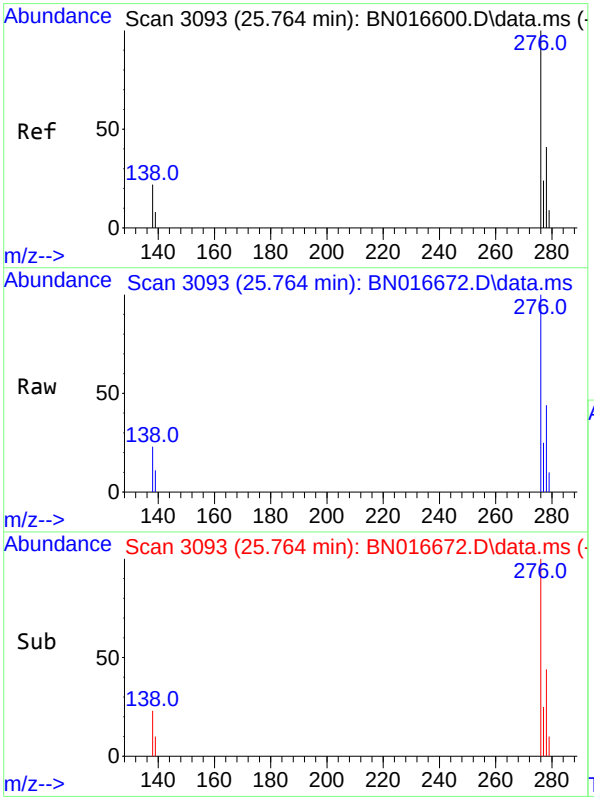
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.484 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:264 Resp: 135188

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.9	29.9
265	22.6	19.2	28.8



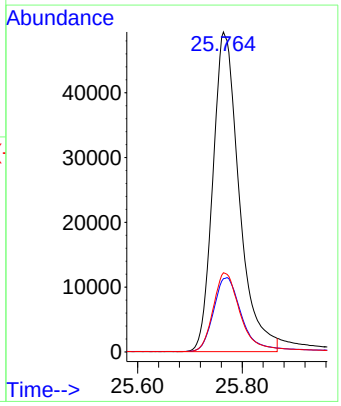
Instrument :
BNA_N
ClientSampleId :
PB139443BS



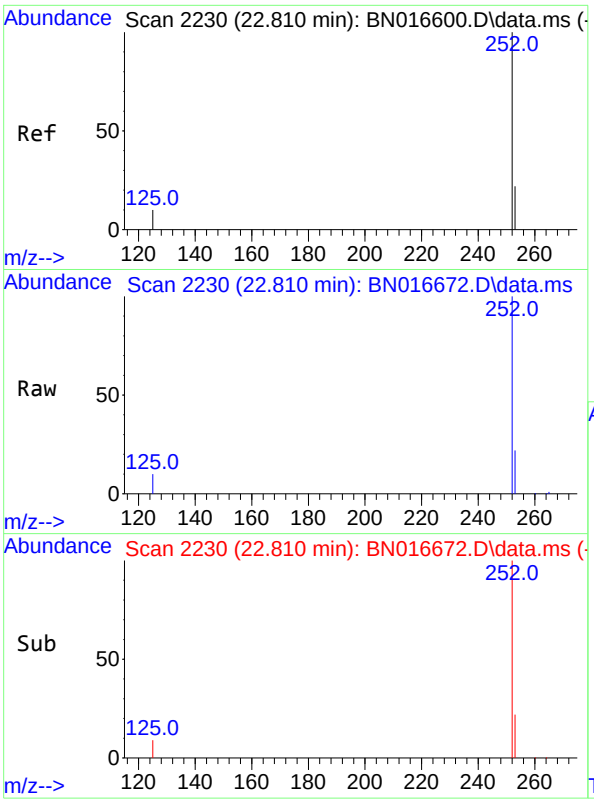
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 25.764 min Scan# 3093
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:276 Resp: 172250

Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.5	29.3
277	25.1	19.9	29.9



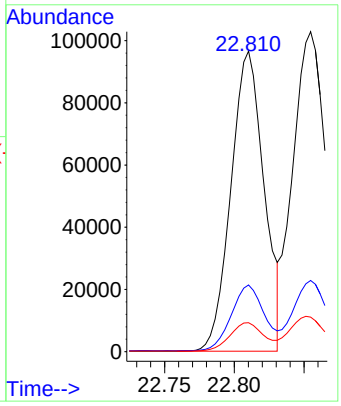
Instrument :
BNA_N
ClientSampleId :
PB139443BS

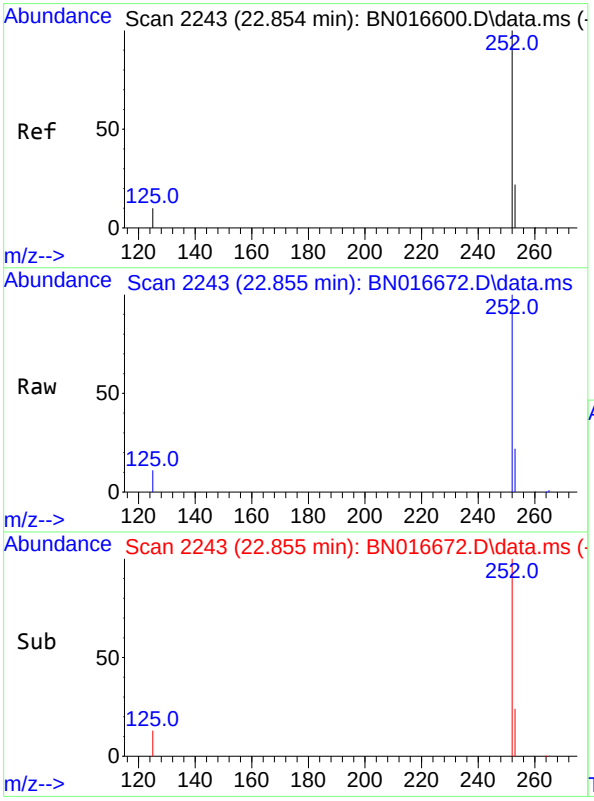


#37
Benzo(b)fluoranthene
Concen: 0.37 ng
RT: 22.810 min Scan# 2230
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:252 Resp: 159163

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.6	8.0	12.0

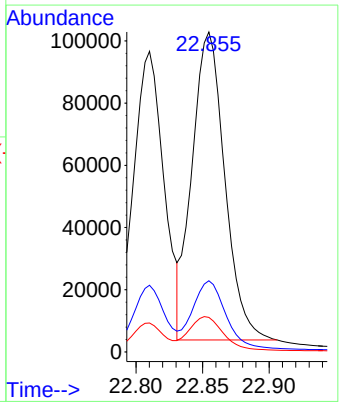




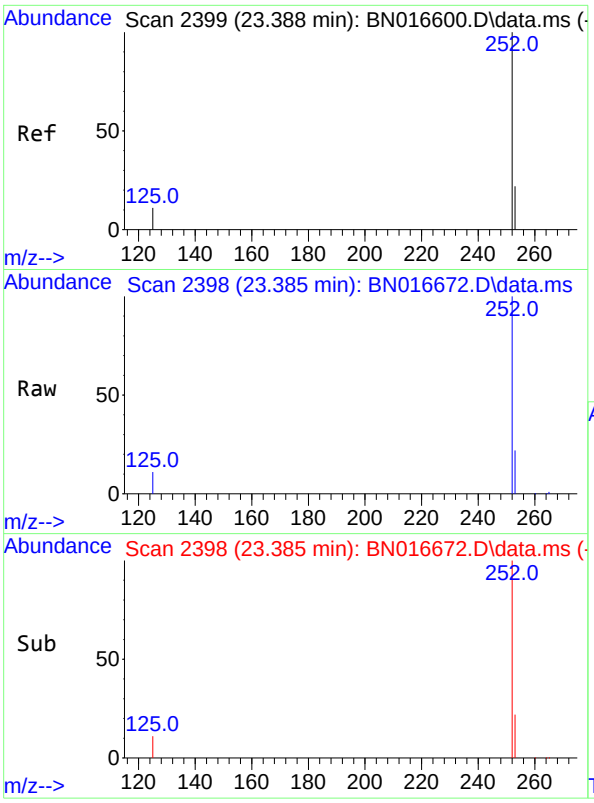
#38
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 22.855 min Scan# 2243
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:252 Resp: 169079

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.8	8.0	12.0



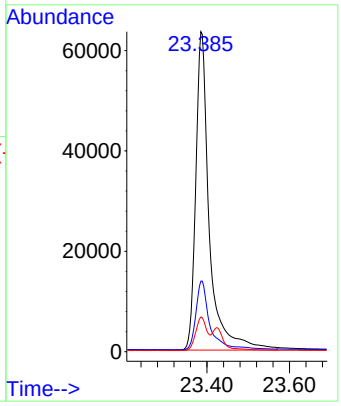
Instrument :
BNA_N
ClientSampleId :
PB139443BS

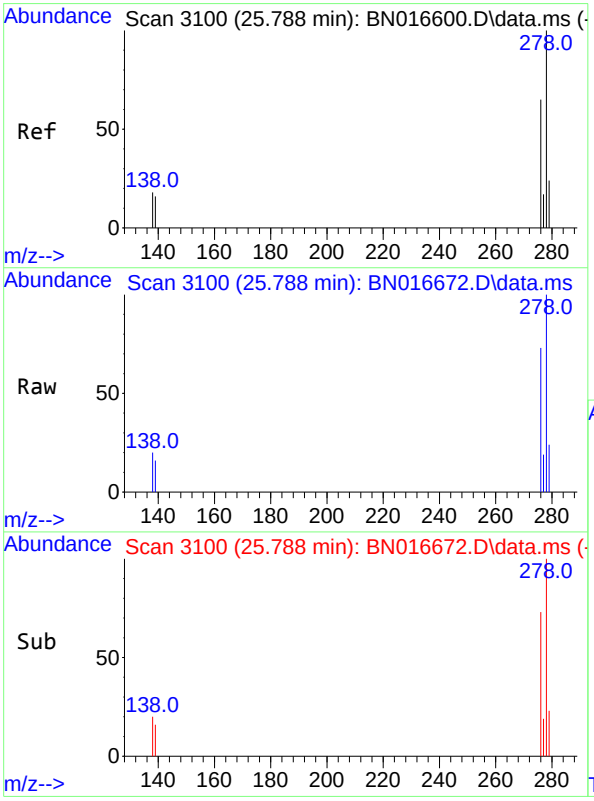


#39
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:252 Resp: 144590

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.8	9.0	13.4

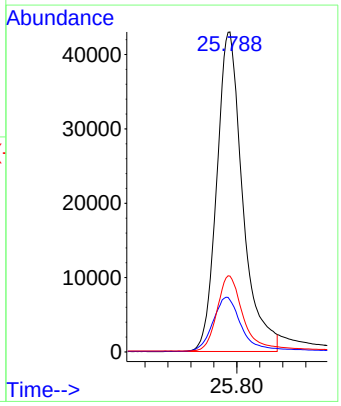


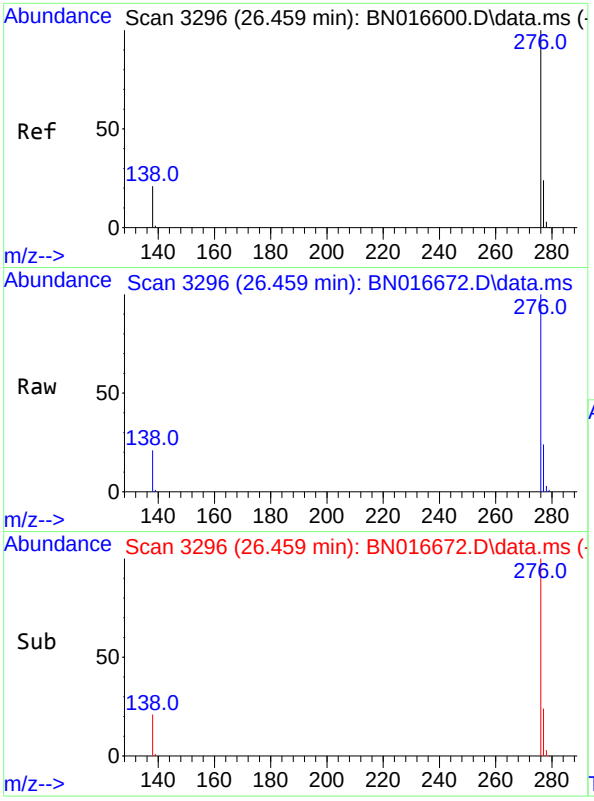


#40
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:278 Resp: 134422

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.1	19.7
279	23.7	19.1	28.7

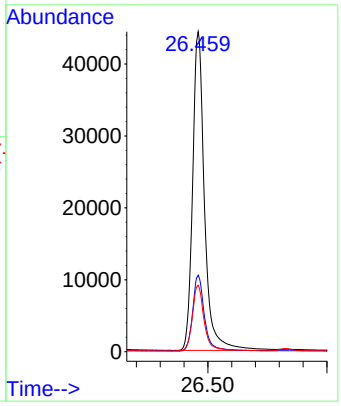




#41
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 26.459 min Scan# 3296
Delta R.T. 0.000 min
Lab File: BN016672.D
Acq: 02 Oct 2021 15:56

Tgt Ion:276 Resp: 153850

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	20.8	16.9	25.3



Instrument :
BNA_N
ClientSampleId :
PB139443BS