Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016675.D
Acq On : 02 Oct 2021 17:45
Operator : CG/JU
Sample : PB139275BS
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139275BS

Quant Time: Oct 04 04:14:11 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	35007	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	152412	0.40	ng	0.00
13) Acenaphthene-d10	14.269	164	79105	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	145676	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	136505	0.40	ng	0.00
35) Perylene-d12	23.484	264	139370	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	31666	0.36	ng	0.02
5) Phenol-d6	6.822	99	34229	0.35	ng	0.00
8) Nitrobenzene-d5	8.784	82	32593	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	83748	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11248	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	118938	0.37	ng	-0.01
27) Fluoranthene-d10	19.063	212	141256	0.36	ng	0.00
31) Terphenyl-d14	19.678	244	115932	0.39	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.253	88	5730	0.36	ng	# 87
3) n-Nitrosodimethylamine	3.595	42	9534	0.37	ng	98
6) bis(2-Chloroethyl)ether	7.080	93	35909	0.38	ng	100
9) Naphthalene	10.457	128	153528	0.37	ng	100
10) Hexachlorobutadiene	10.749	225	29403	0.38	ng	# 100
12) 2-Methylnaphthalene	12.078	142	99275	0.38	ng	99
16) Acenaphthylene	13.990	152	119909	0.35	ng	100
17) Acenaphthene	14.332	154	86266	0.37	ng	100
18) Fluorene	15.322	166	101956	0.37	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	1945	0.24	ng	99
21) 4-Bromophenyl-phenylether	16.226	248	31871	0.35	ng	96
22) Hexachlorobenzene	16.324	284	39204	0.37	ng	99
23) Atrazine	16.506	200	19492	0.30	ng	98
24) Pentachlorophenol	16.677	266	10430	0.30	ng	99
25) Phenanthrene	17.066	178	161457	0.37	ng	100
26) Anthracene	17.151	178	128982	0.34	ng	100
28) Fluoranthene	19.098	202	177803	0.38	ng	100
30) Pyrene	19.460	202	176875	0.40	ng	100
32) Benzo(a)anthracene	21.217	228	150300	0.36	ng	99
33) Chrysene	21.270	228	177180	0.42	ng	99
34) Bis(2-ethylhexyl)phtha...	21.164	149	48565	0.29	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	175584	0.35	ng	100
37) Benzo(b)fluoranthene	22.807	252	162023	0.36	ng	99
38) Benzo(k)fluoranthene	22.851	252	172587	0.39	ng	99
39) Benzo(a)pyrene	23.385	252	150040	0.38	ng	99
40) Dibenzo(a,h)anthracene	25.785	278	136386	0.34	ng	100
41) Benzo(g,h,i)perylene	26.456	276	156451	0.36	ng	100

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

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Instrument :
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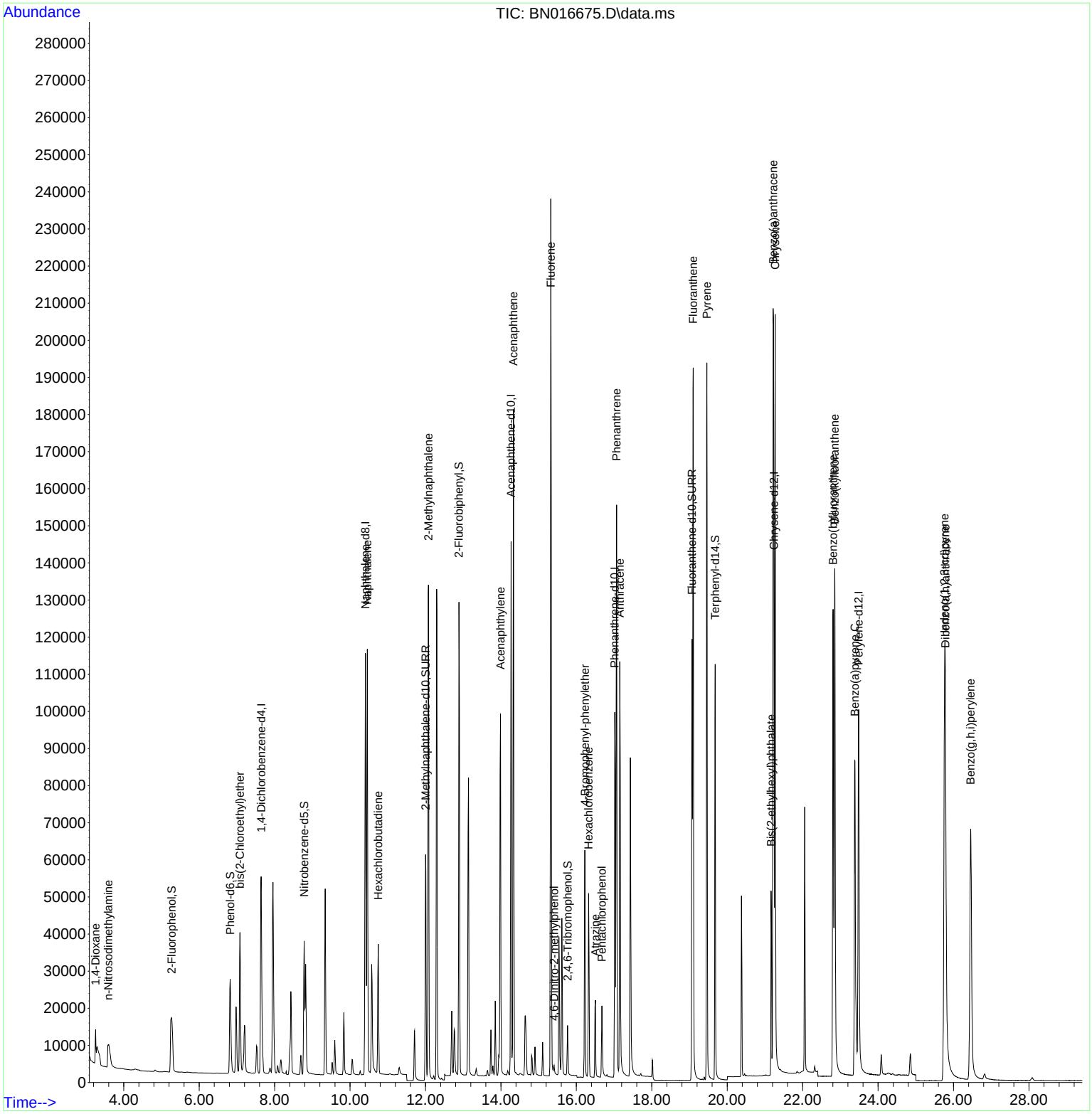
Quant Time: Oct 04 04:14:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration



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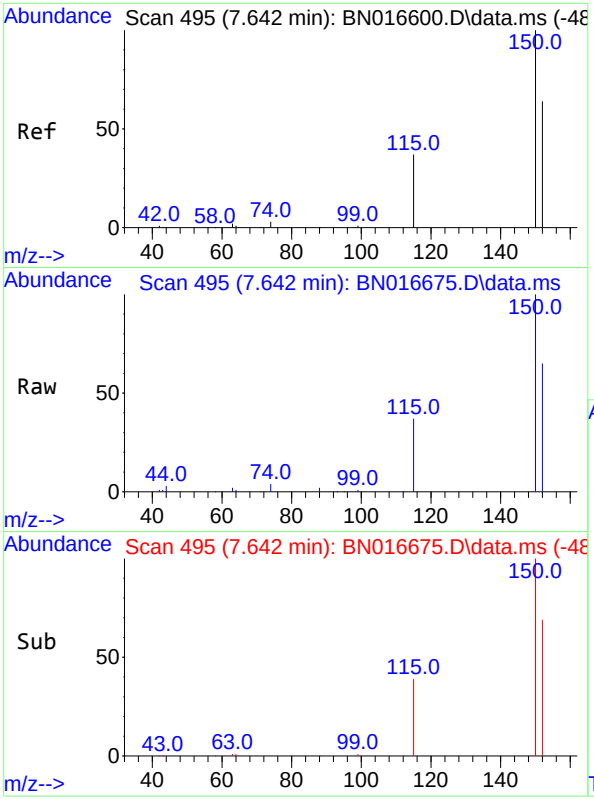
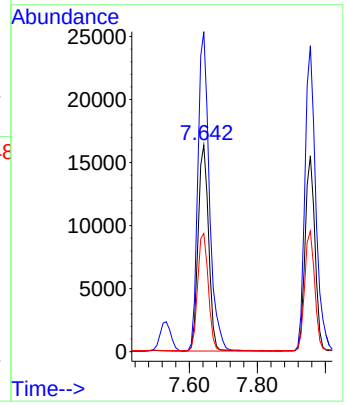
PB139275BS

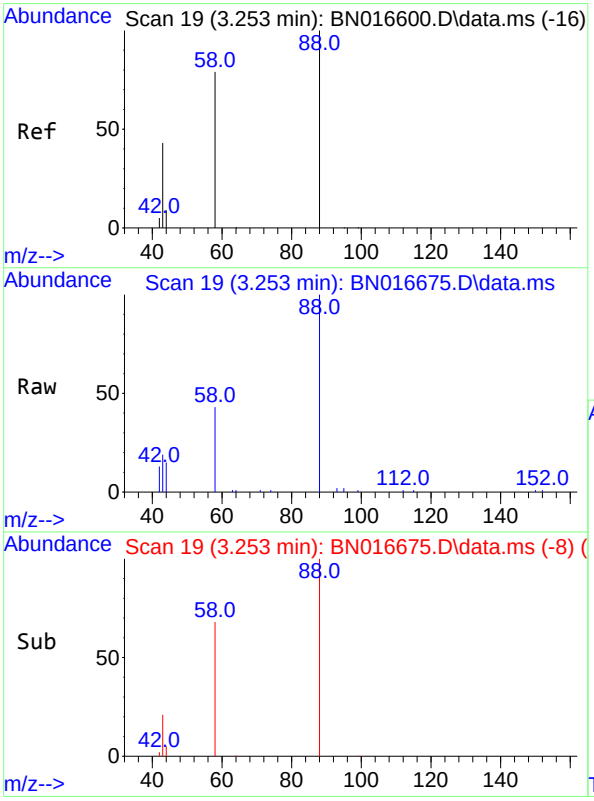


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:152 Resp: 35007

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	57.2	46.5	69.7

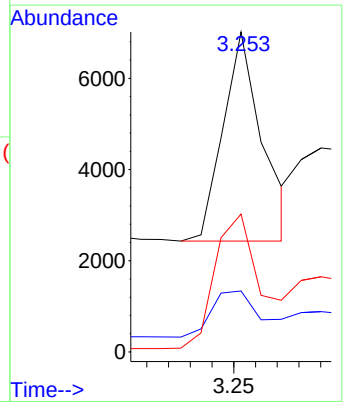




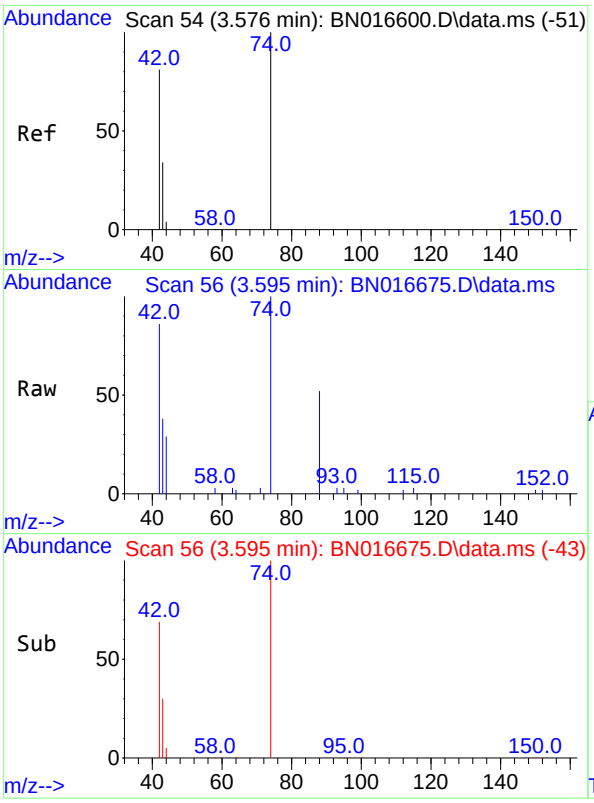
#2
1,4-Dioxane
Concen: 0.36 ng
RT: 3.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion: 88 Resp: 5730

Ion	Ratio	Lower	Upper
88	100		
43	24.3	37.8	56.8#
58	76.8	61.3	91.9



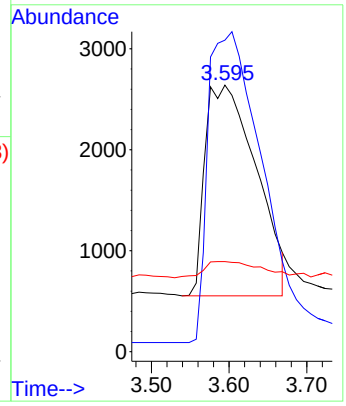
Instrument :
BNA_N
ClientSampleId :
PB139275BS

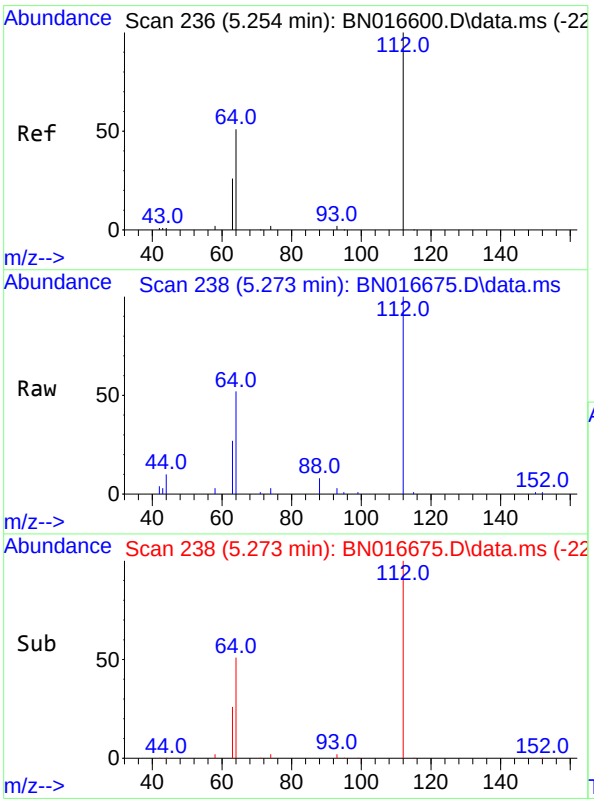


#3
n-Nitrosodimethylamine
Concen: 0.37 ng
RT: 3.595 min Scan# 56
Delta R.T. 0.019 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion: 42 Resp: 9534

Ion	Ratio	Lower	Upper
42	100		
74	149.0	121.6	182.4
44	7.9	6.3	9.5

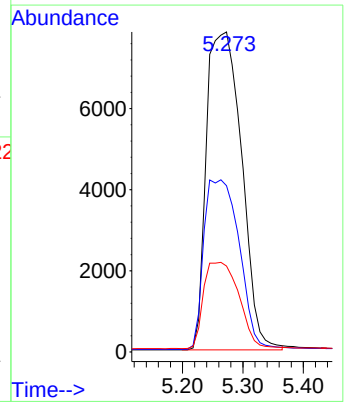




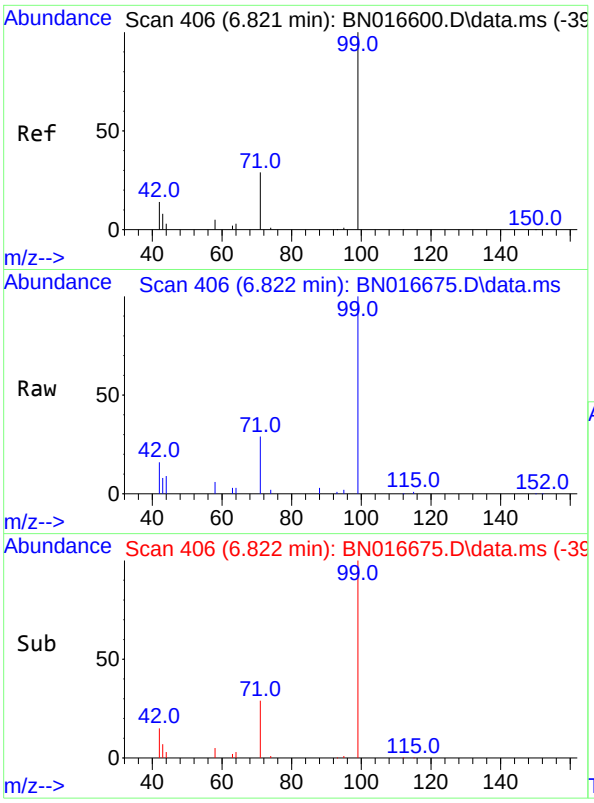
#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:112 Resp: 31666

Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.1	64.7
63	27.4	21.6	32.4



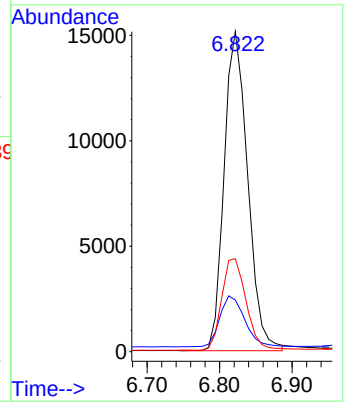
Instrument :
BNA_N
ClientSampleId :
PB139275BS

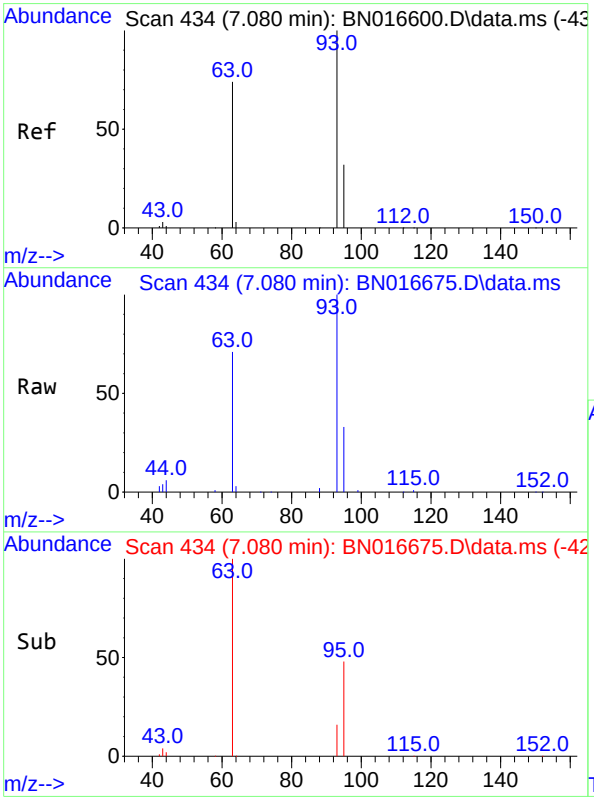


#5
Phenol-d6
Concen: 0.35 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion: 99 Resp: 34229

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.0	19.6
71	29.6	23.5	35.3

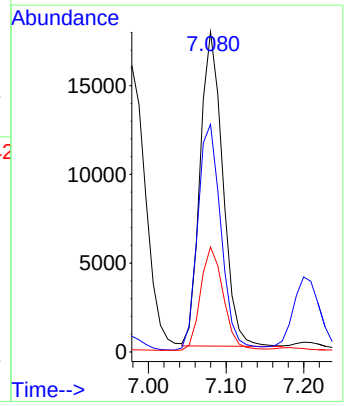




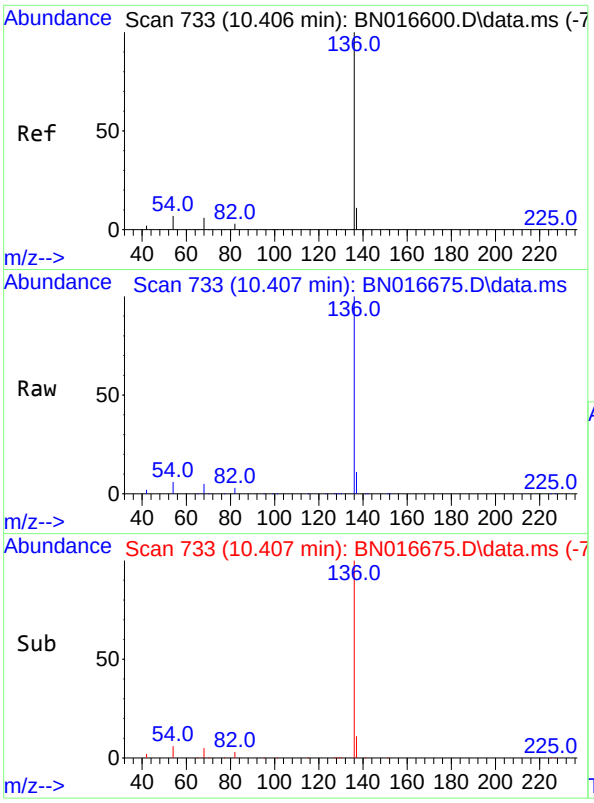
#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion: 93 Resp: 35909

Ion	Ratio	Lower	Upper
93	100		
63	74.1	59.1	88.7
95	33.2	26.2	39.4



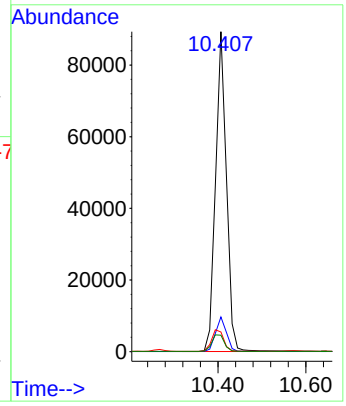
Instrument :
BNA_N
ClientSampleId :
PB139275BS

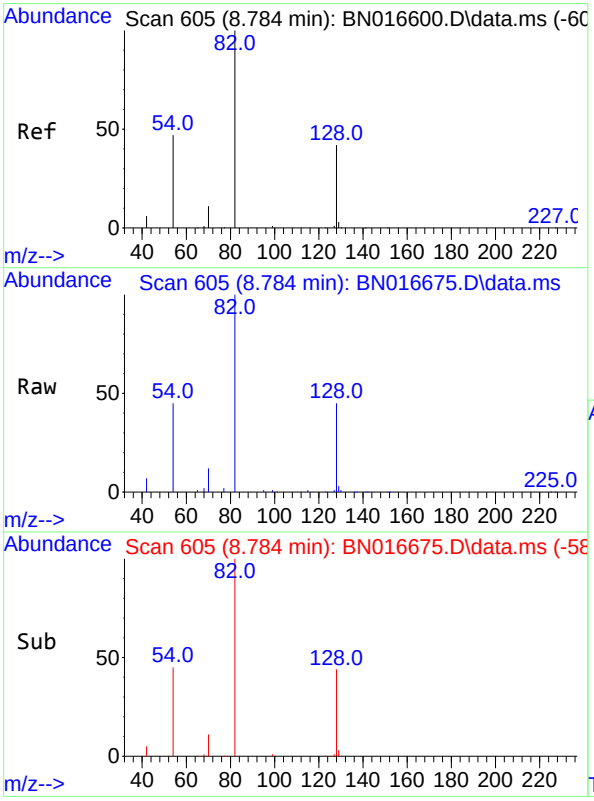


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:136 Resp: 152412

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.1	5.9	8.9
68	5.2	5.0	7.6

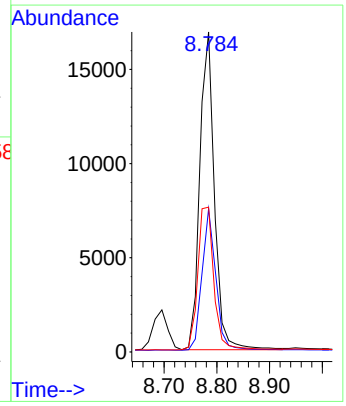


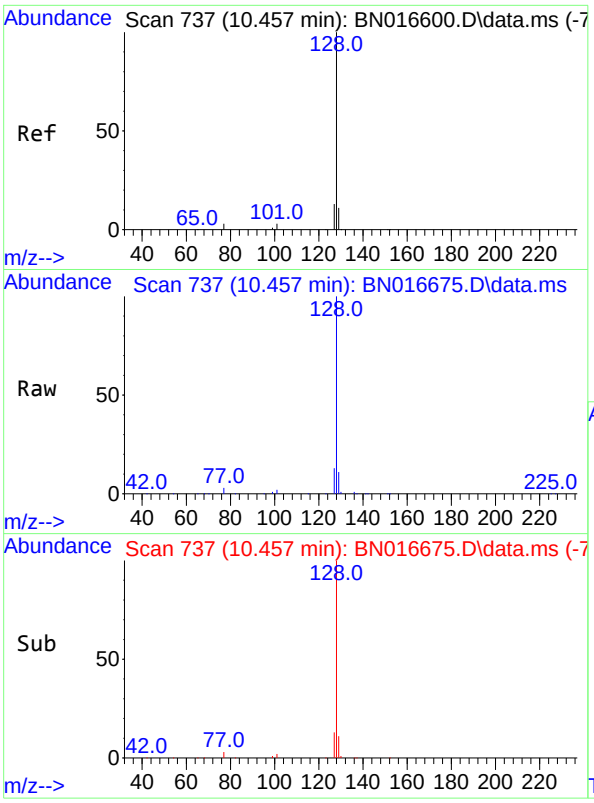


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion: 82 Resp: 32593

Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.6	50.4
54	45.3	37.6	56.4

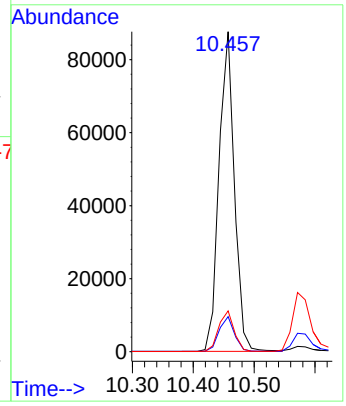




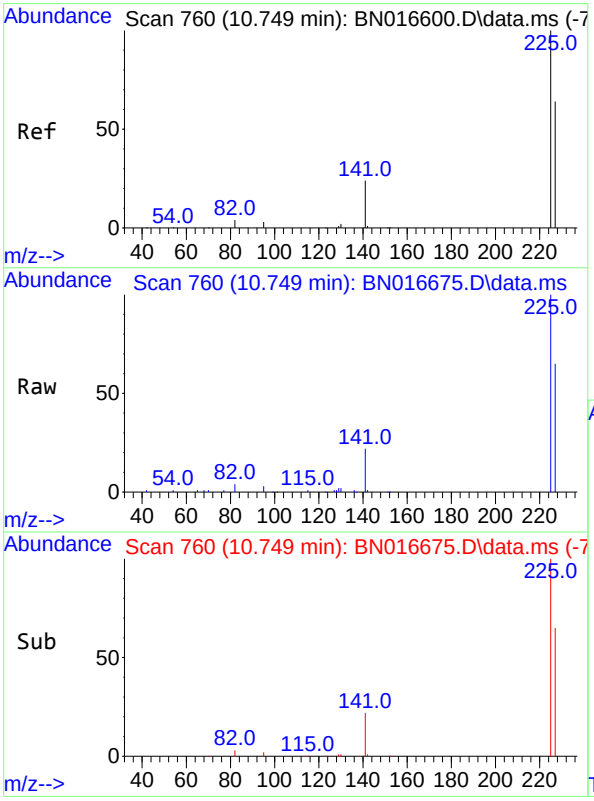
#9
Naphthalene
Concen: 0.37 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:128 Resp: 153528

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.8	10.3	15.5



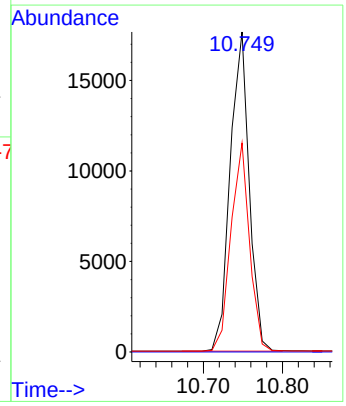
Instrument :
BNA_N
ClientSampleId :
PB139275BS



#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.749 min Scan# 760
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:225 Resp: 29403

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.0	76.6



Instrument :
BNA_N
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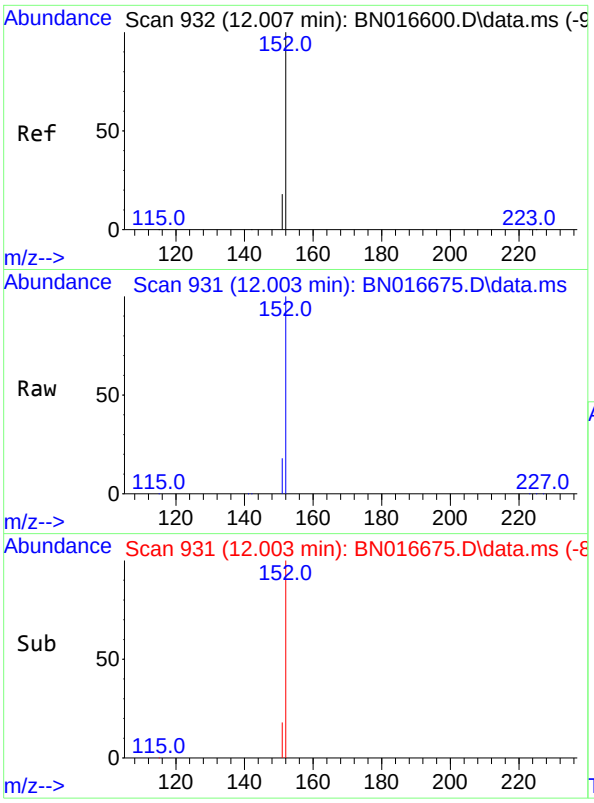
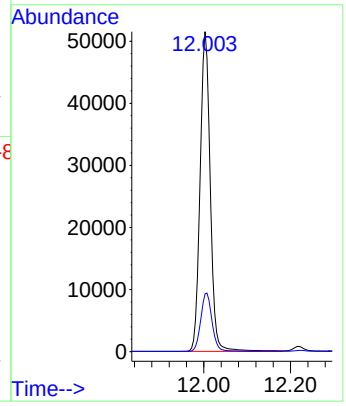
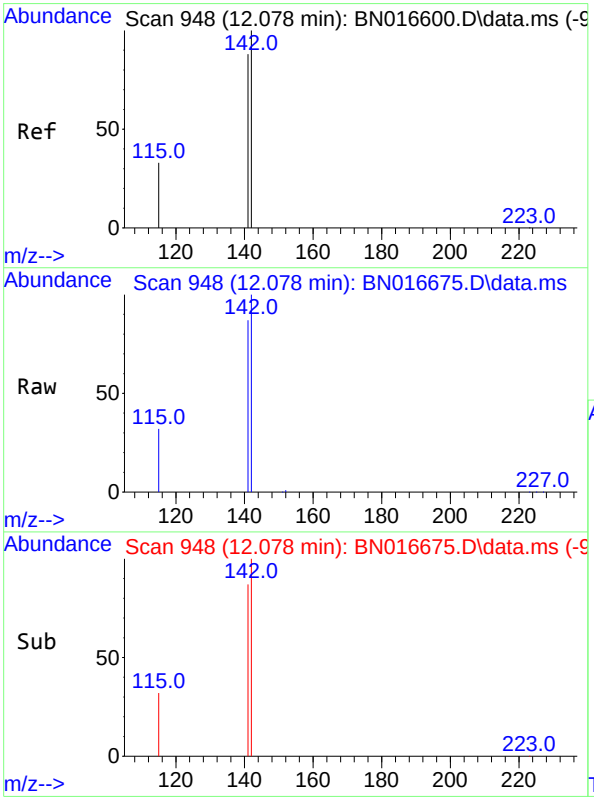


#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:152 Resp: 83748

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

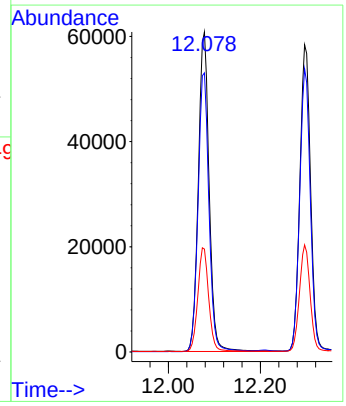




#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:142 Resp: 99275

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.6	105.8
115	32.2	26.6	39.8



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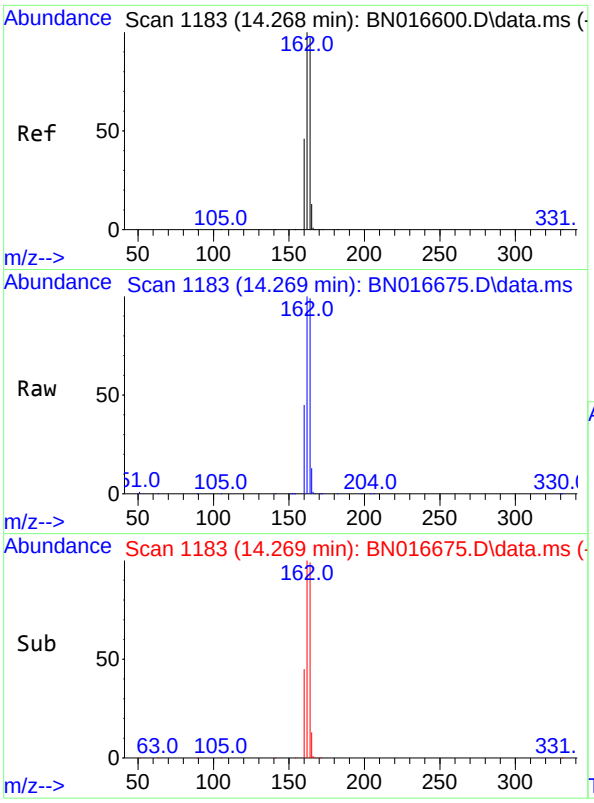
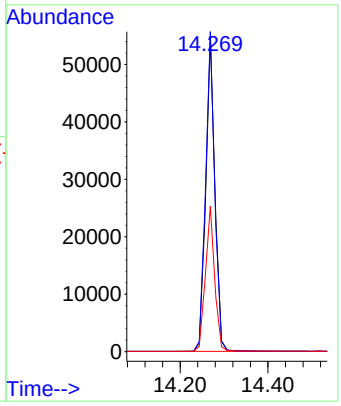
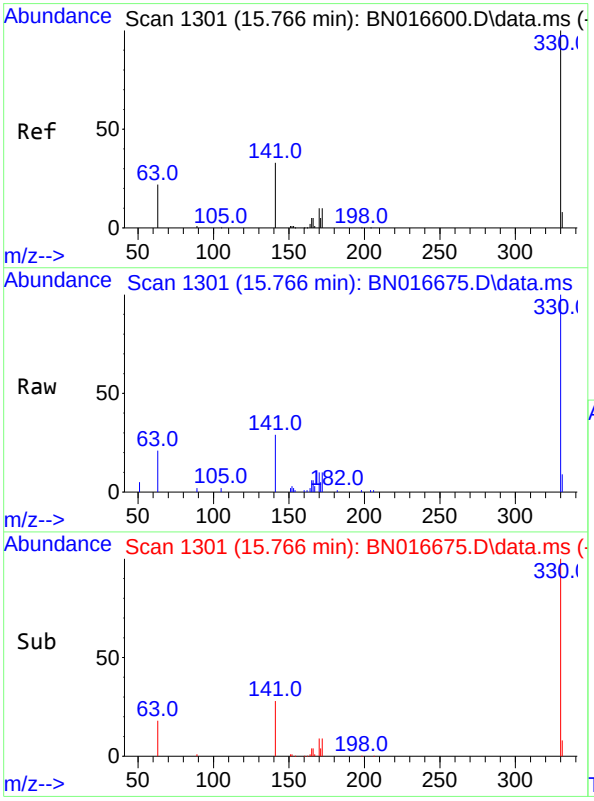


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:164 Resp: 79105

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.2	123.2
160	46.1	37.7	56.5

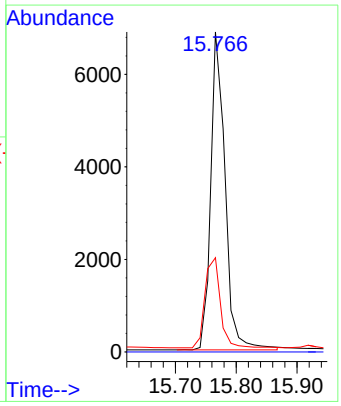




#14
2,4,6-Tribromophenol
Concen: 0.31 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:330 Resp: 11248

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.7	25.2	37.8



Instrument :
BNA_N
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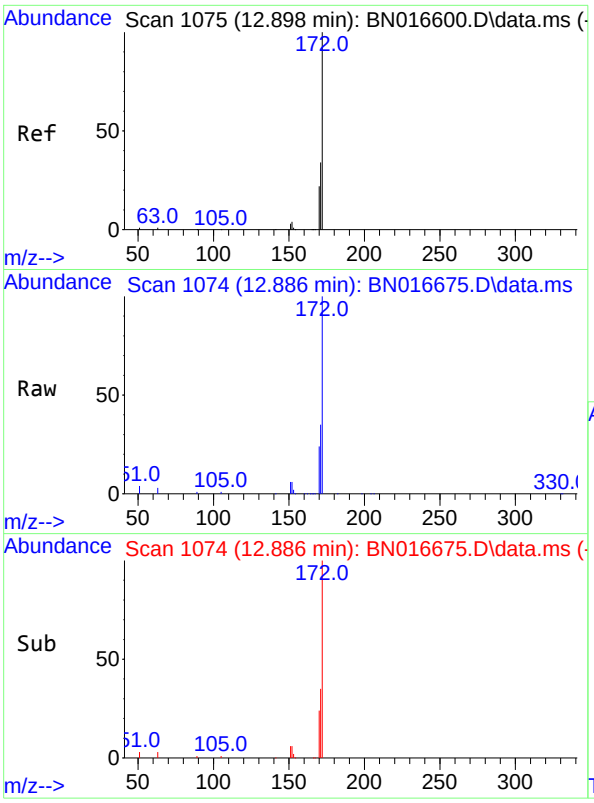
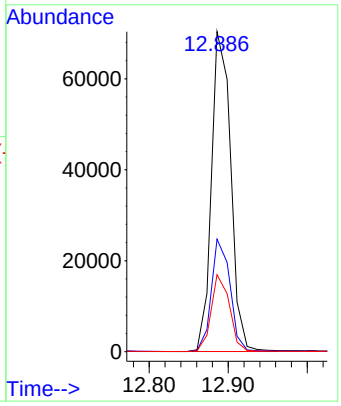
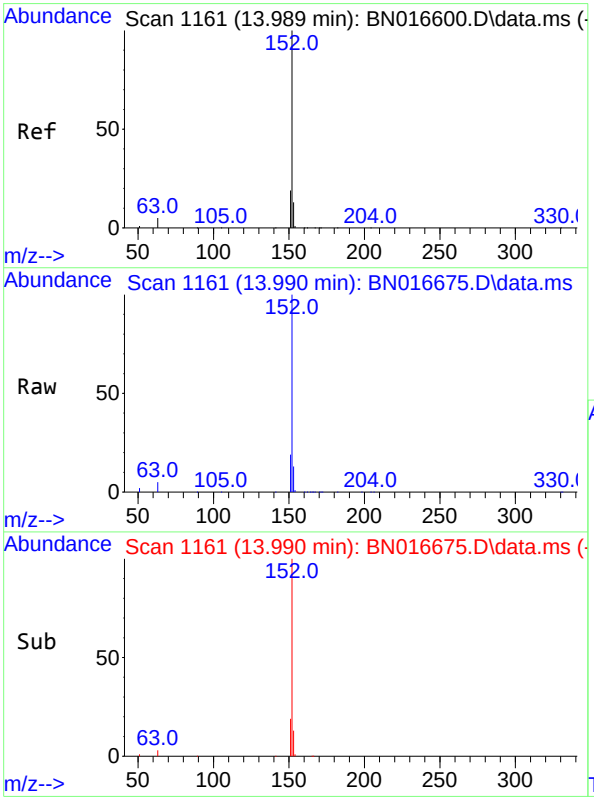


#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:172 Resp: 118938

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.0	40.4
170	24.0	17.4	26.2

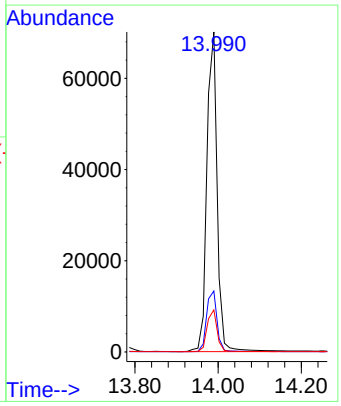




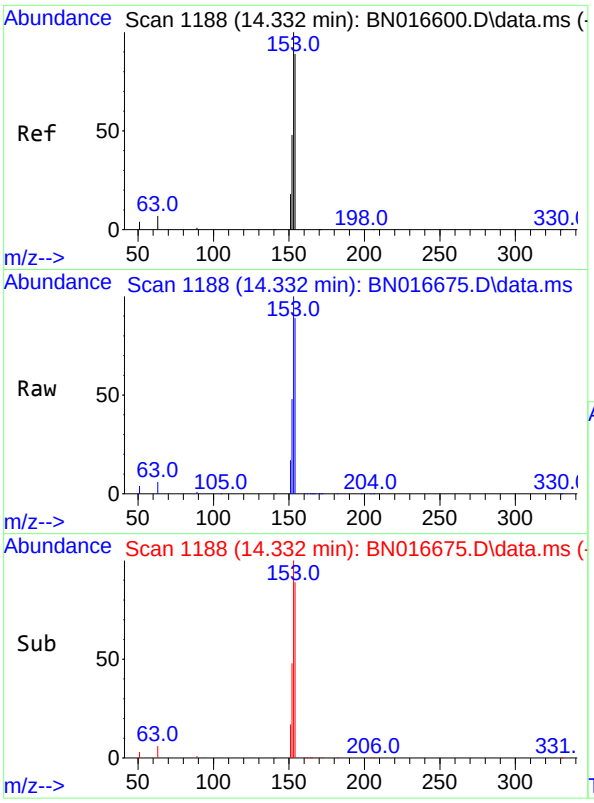
#16
Acenaphthylene
Concen: 0.35 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:152 Resp: 119909

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.0	10.4	15.6



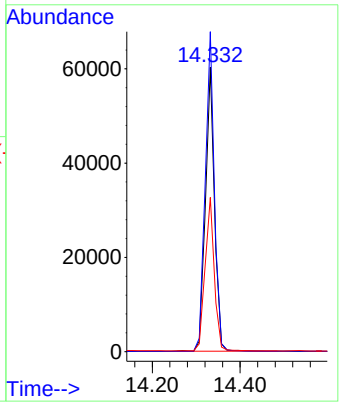
Instrument :
BNA_N
ClientSampleId :
PB139275BS

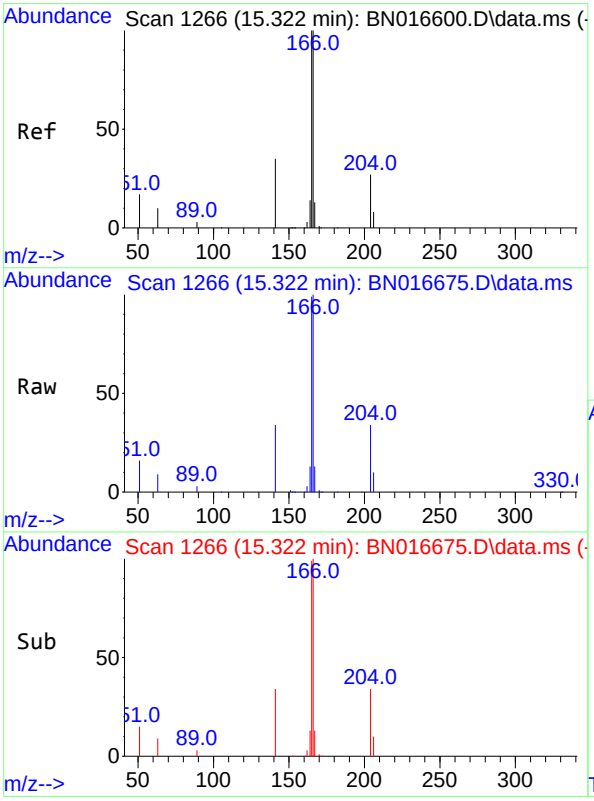


#17
Acenaphthene
Concen: 0.37 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:154 Resp: 86266

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.2	135.2
152	55.3	44.0	66.0

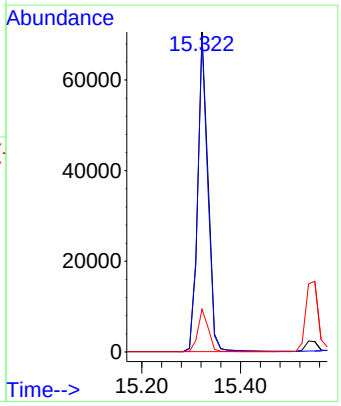




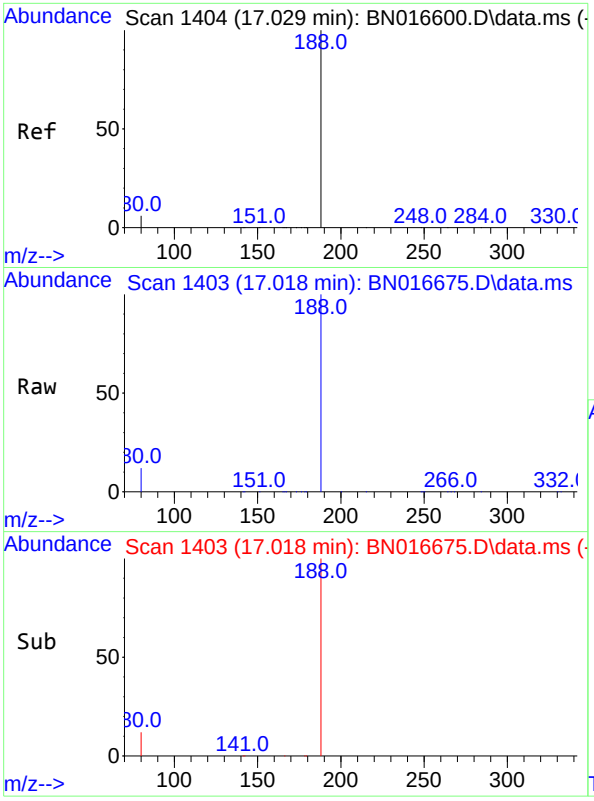
#18
Fluorene
Concen: 0.37 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:166 Resp: 101956

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	13.4	10.7	16.1



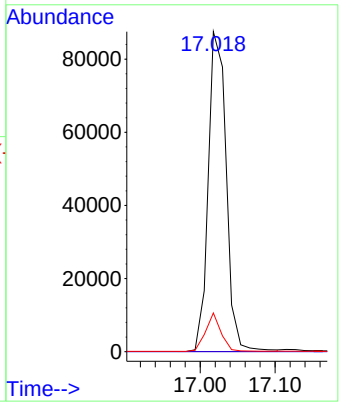
Instrument :
BNA_N
ClientSampleId :
PB139275BS

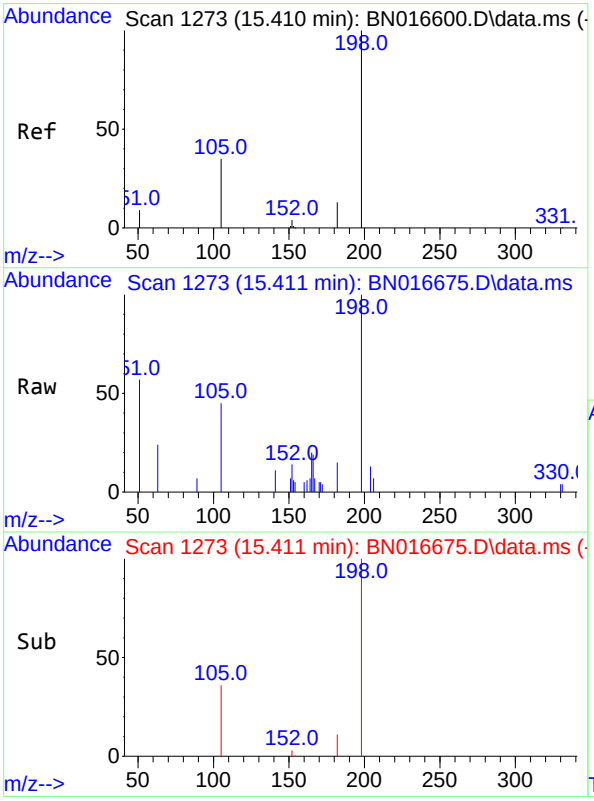


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:188 Resp: 145676

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	5.0	7.6#

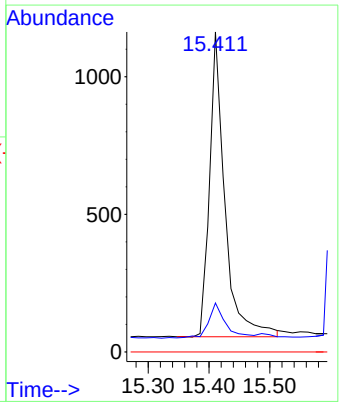


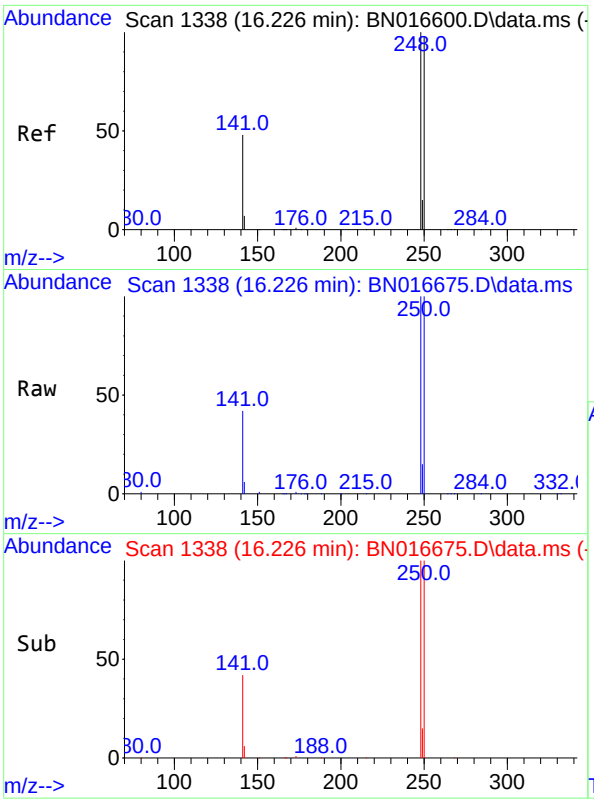


#20
4,6-Dinitro-2-methylphenol
Concen: 0.24 ng
RT: 15.411 min Scan# 1273
Delta R.T. 0.001 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:198 Resp: 1945

Ion	Ratio	Lower	Upper
198	100		
182	15.3	11.8	17.8
77	0.0	0.0	0.0

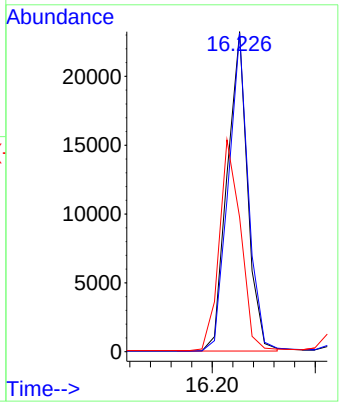




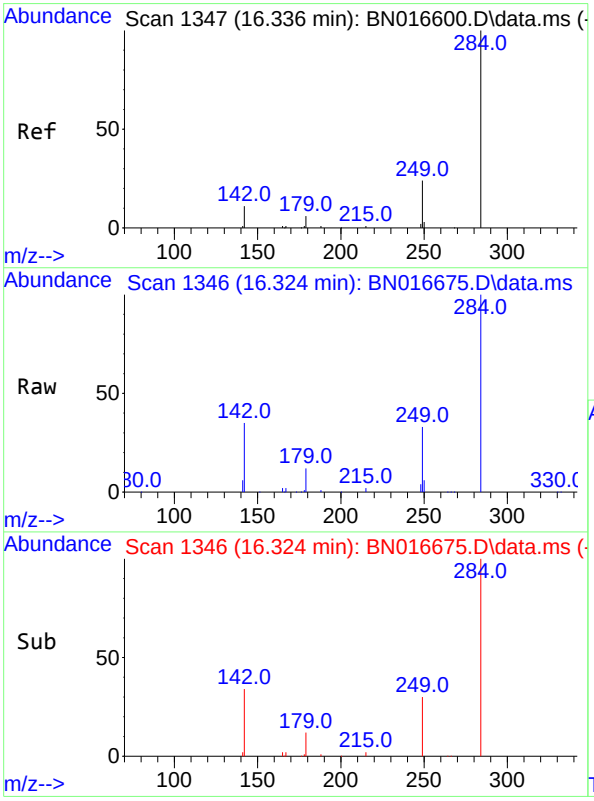
#21
4-Bromophenyl-phenylether
Concen: 0.35 ng
RT: 16.226 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:248 Resp: 31871

Ion	Ratio	Lower	Upper
248	100		
250	99.6	78.6	117.8
141	42.0	38.6	57.8



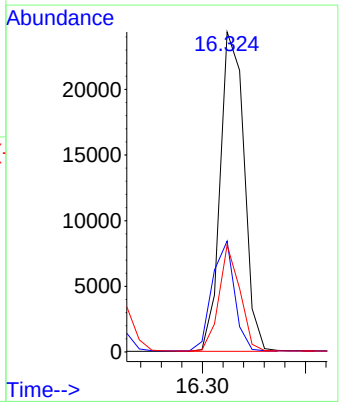
Instrument :
BNA_N
ClientSampleId :
PB139275BS



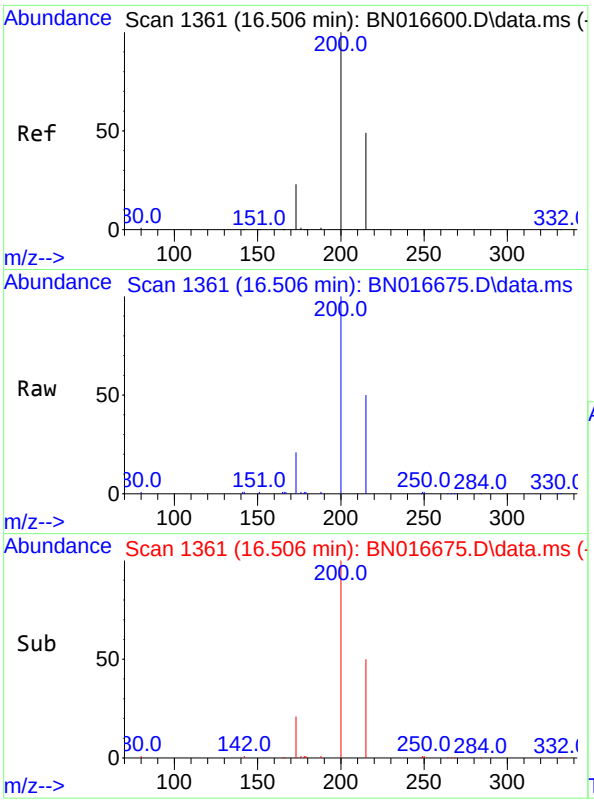
#22
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.324 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:284 Resp: 39204

Ion	Ratio	Lower	Upper
284	100		
142	32.1	26.4	39.6
249	29.0	23.4	35.2



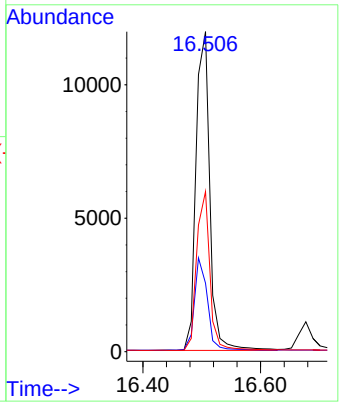
Instrument :
BNA_N
ClientSampleId :
PB139275BS

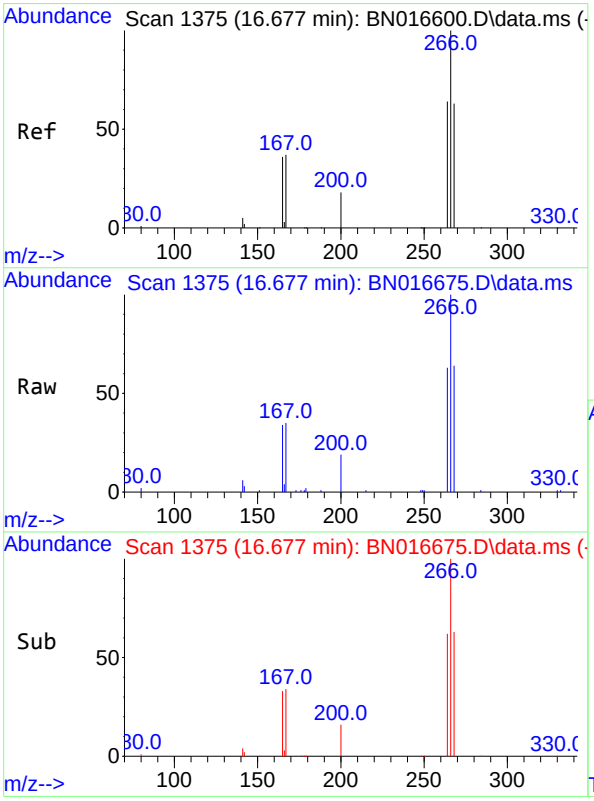


#23
Atrazine
Concen: 0.30 ng
RT: 16.506 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:200 Resp: 19492

Ion	Ratio	Lower	Upper
200	100		
173	21.4	18.6	27.8
215	50.0	39.4	59.2

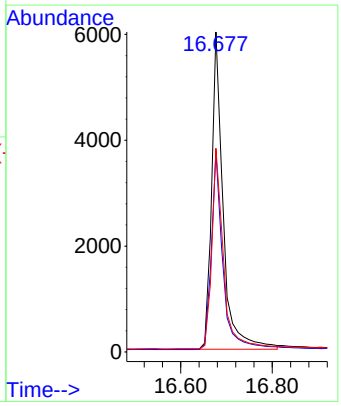




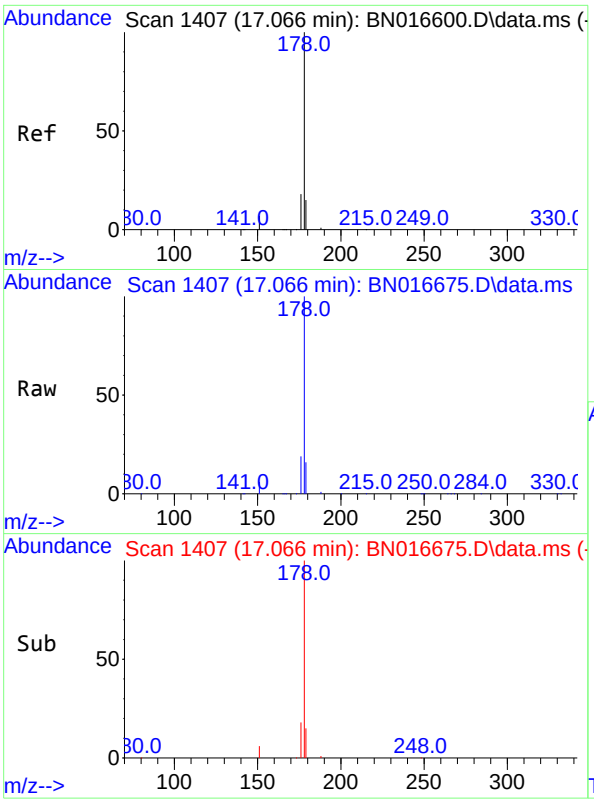
#24
Pentachlorophenol
Concen: 0.30 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:266 Resp: 10430

Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.8	74.6
268	63.6	51.4	77.2



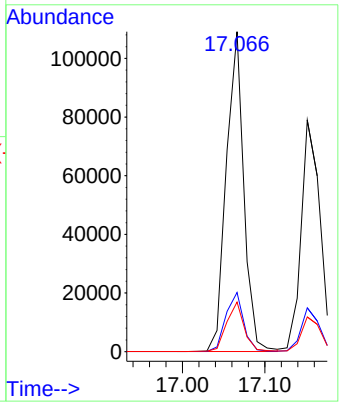
Instrument :
BNA_N
ClientSampleId :
PB139275BS

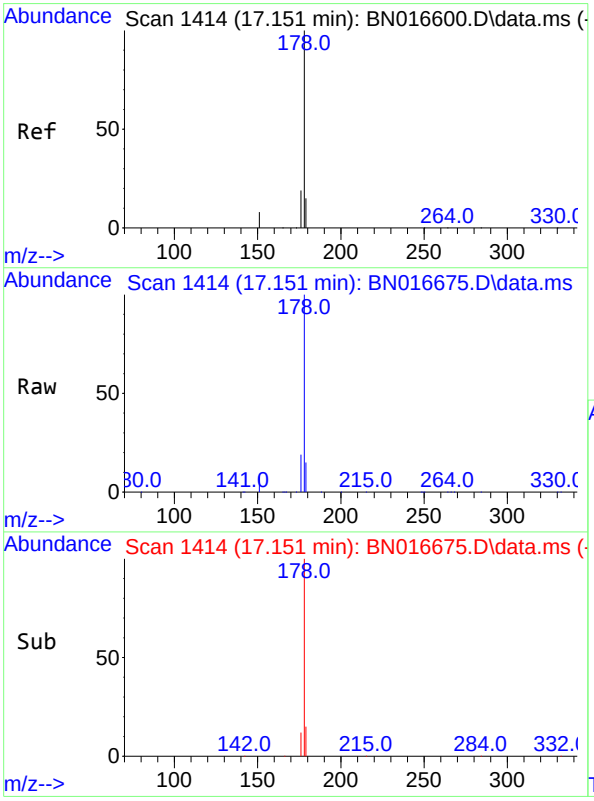


#25
Phenanthrene
Concen: 0.37 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:178 Resp: 161457

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.4

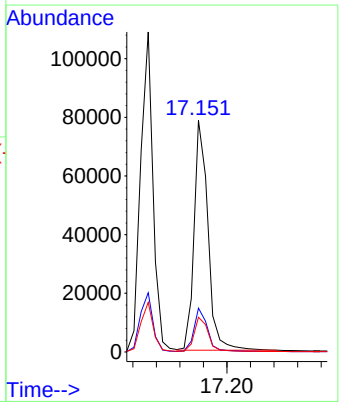




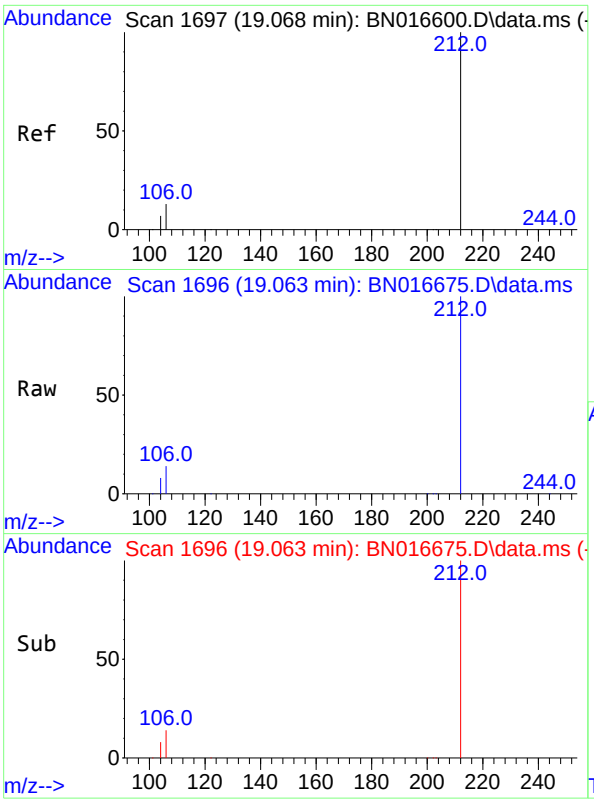
#26
Anthracene
Concen: 0.34 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:178 Resp: 128982

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



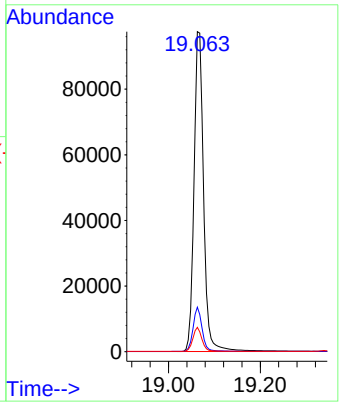
Instrument :
BNA_N
ClientSampleId :
PB139275BS

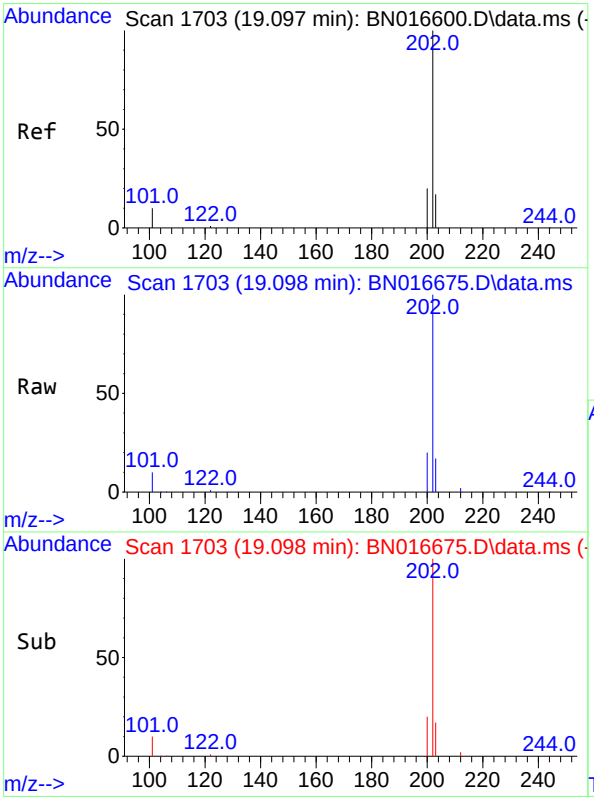


#27
Fluoranthene-d10
Concen: 0.36 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:212 Resp: 141256

Ion	Ratio	Lower	Upper
212	100		
106	13.2	10.6	16.0
104	7.1	5.9	8.9

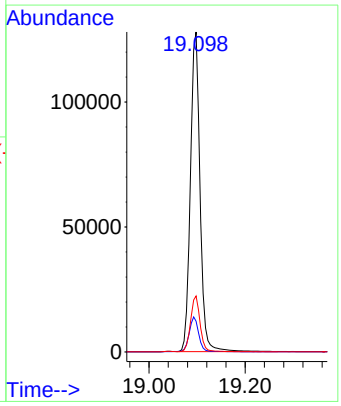




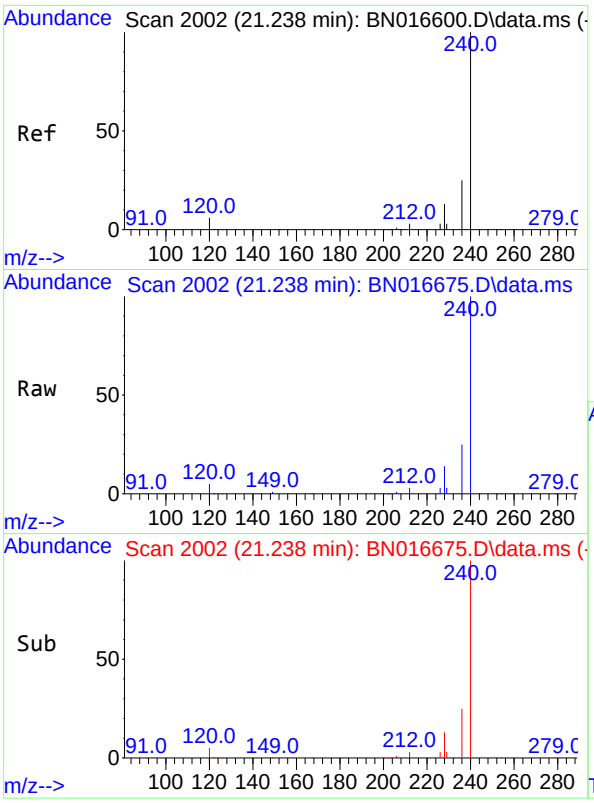
#28
Fluoranthene
Concen: 0.38 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:202 Resp: 177803

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.0	13.4
203	17.2	13.8	20.6



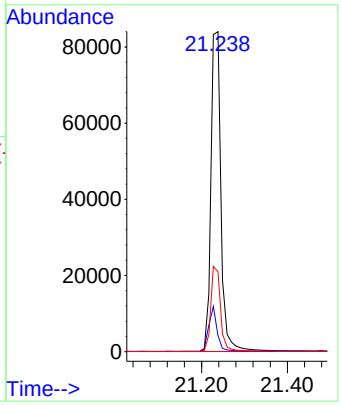
Instrument :
BNA_N
ClientSampleId :
PB139275BS

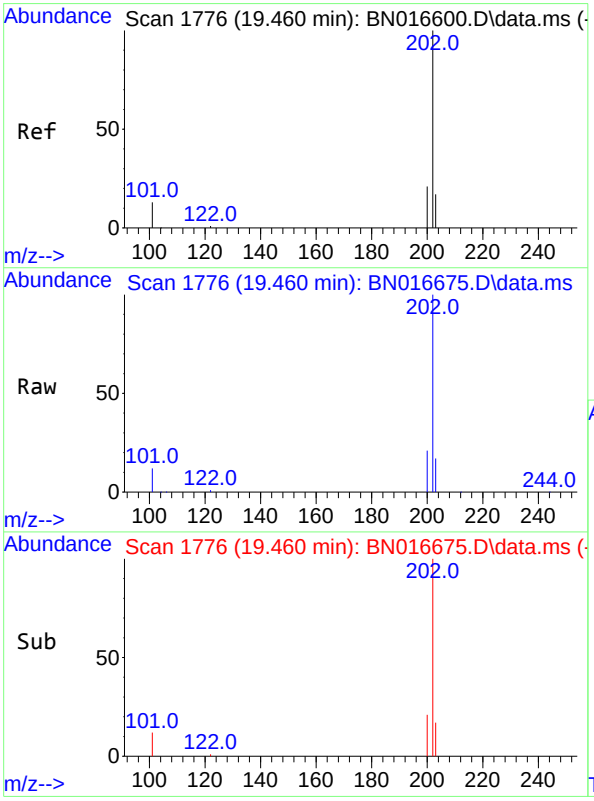


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:240 Resp: 136505

Ion	Ratio	Lower	Upper
240	100		
120	5.0	5.0	7.4
236	24.9	20.4	30.6

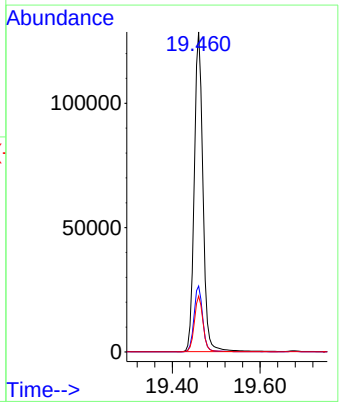




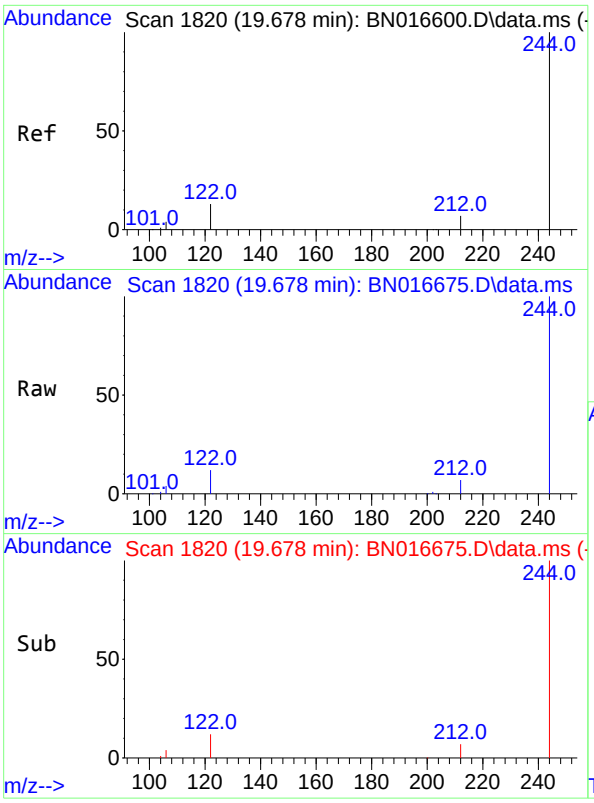
#30
Pyrene
Concen: 0.40 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:202 Resp: 176875

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



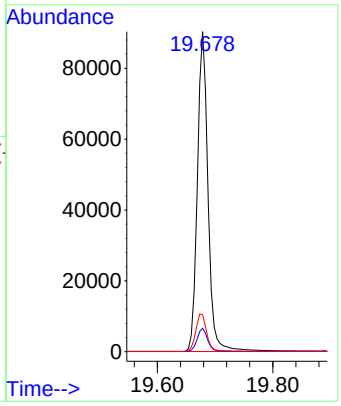
Instrument :
BNA_N
ClientSampleId :
PB139275BS

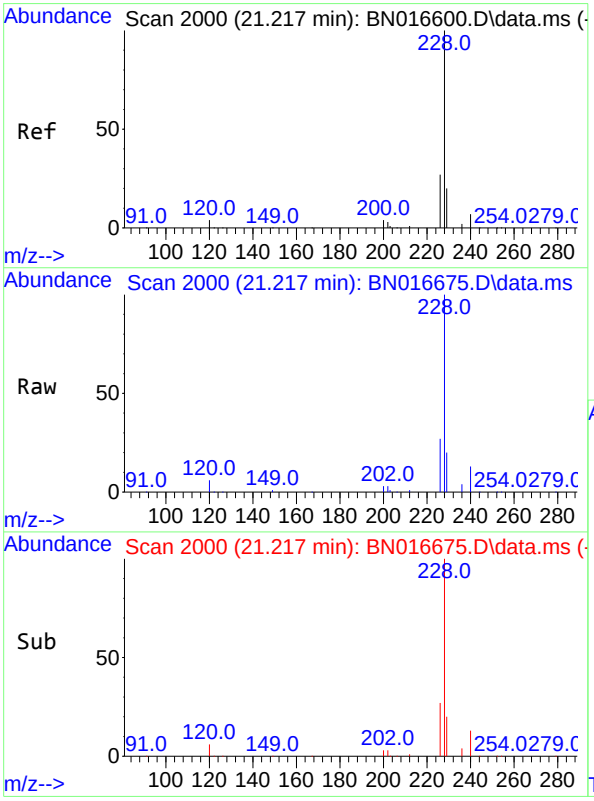


#31
Terphenyl-d14
Concen: 0.39 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:244 Resp: 115932

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	11.6	10.1	15.1

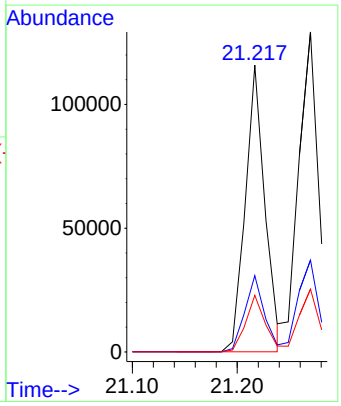




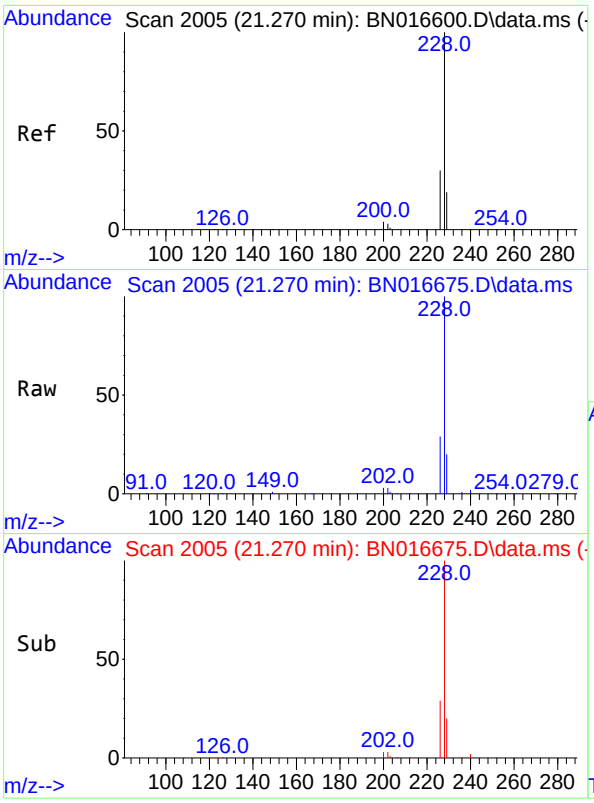
#32
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:228 Resp: 150300

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.9	32.9
229	19.7	15.7	23.5



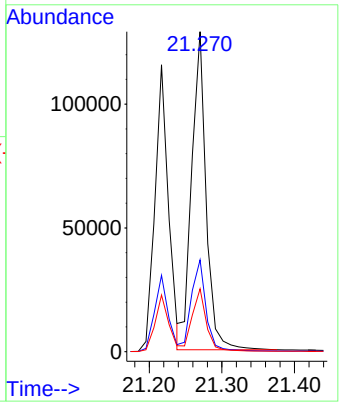
Instrument :
BNA_N
ClientSampleId :
PB139275BS

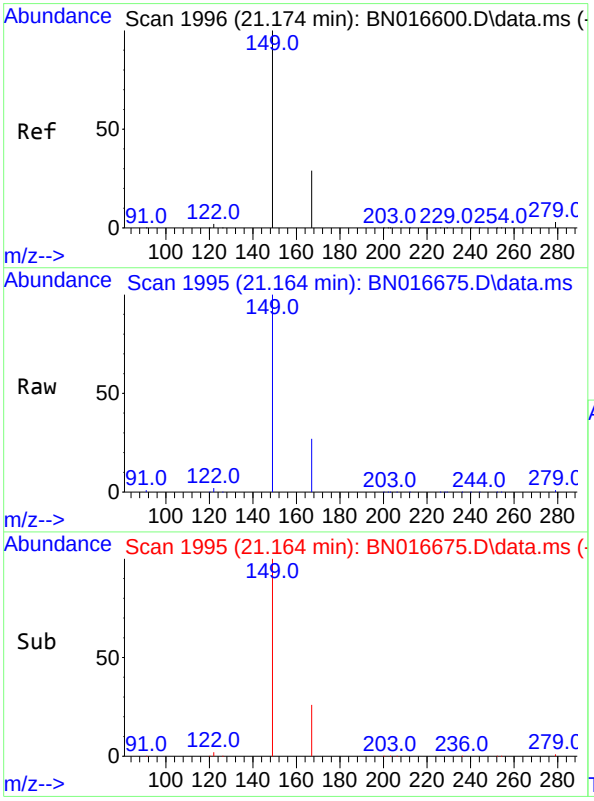


#33
Chrysene
Concen: 0.42 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:228 Resp: 177180

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.7	35.5
229	19.7	15.5	23.3

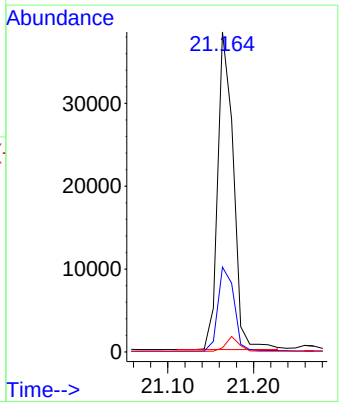




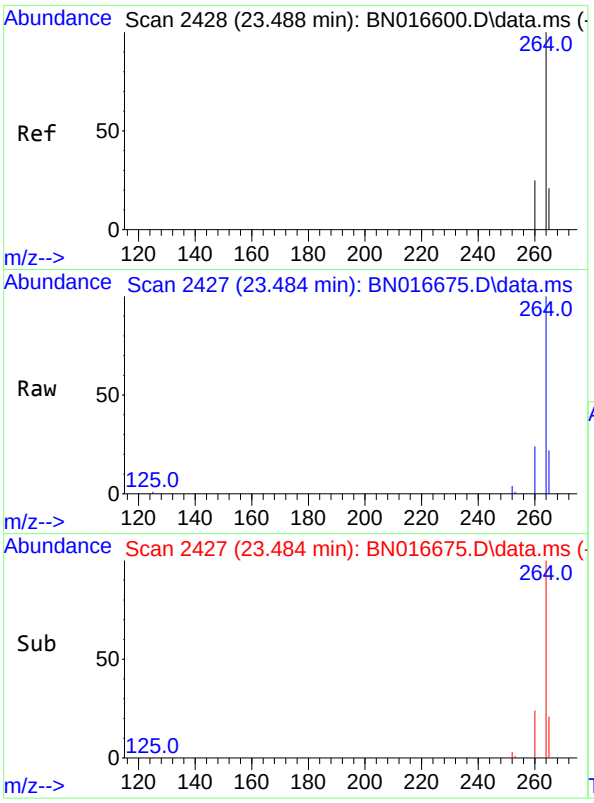
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:149 Resp: 48565

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.4
279	4.0	3.2	4.8



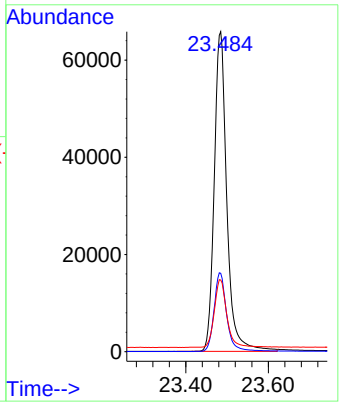
Instrument :
BNA_N
ClientSampleId :
PB139275BS

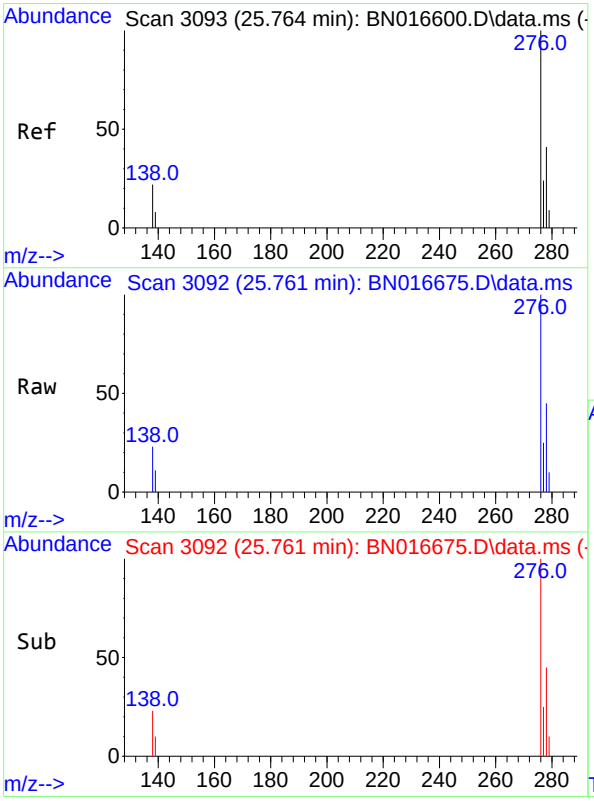


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.484 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:264 Resp: 139370

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.9	29.9
265	22.4	19.2	28.8

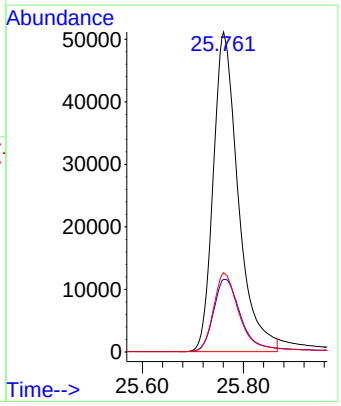




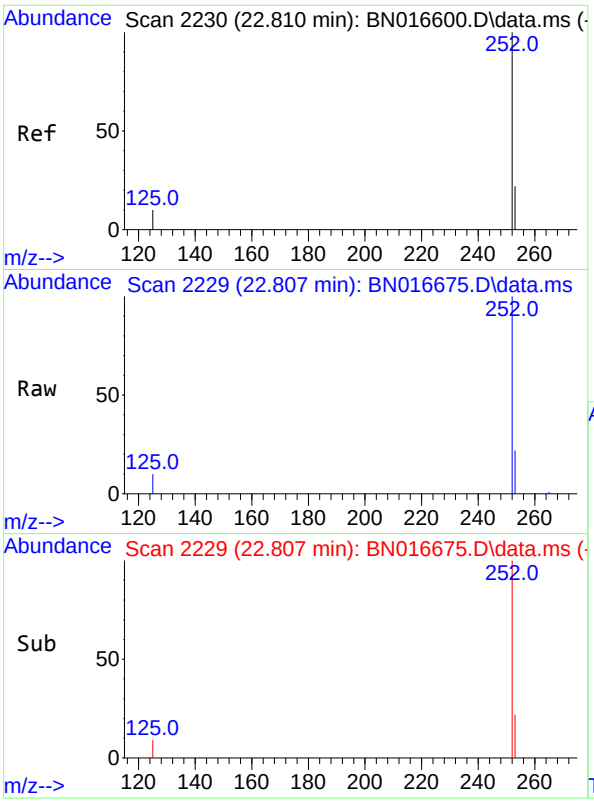
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 25.761 min Scan# 3092
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:276 Resp: 175584

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



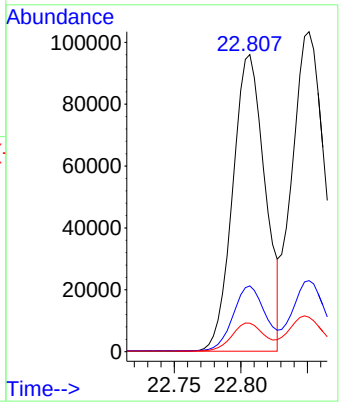
Instrument :
BNA_N
ClientSampleId :
PB139275BS

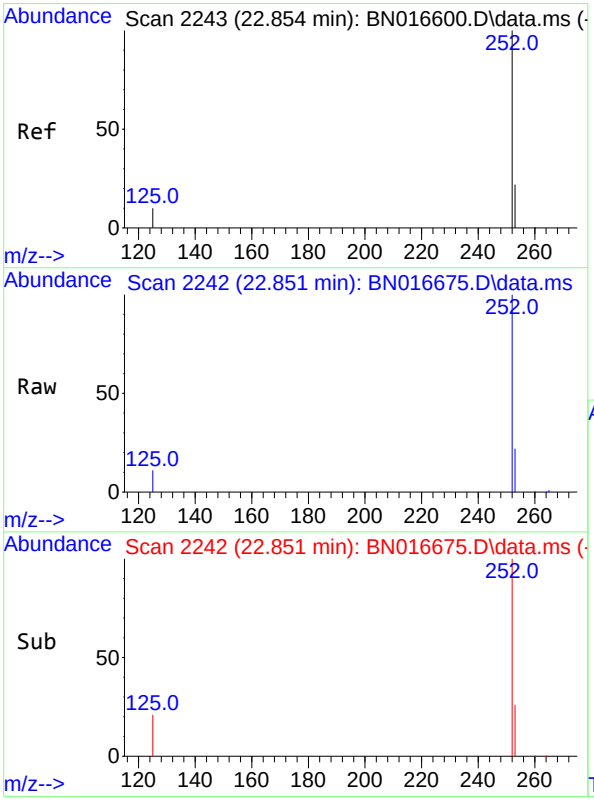


#37
Benzo(b)fluoranthene
Concen: 0.36 ng
RT: 22.807 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:252 Resp: 162023

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.6	8.0	12.0

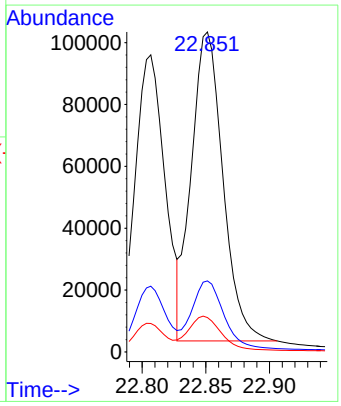




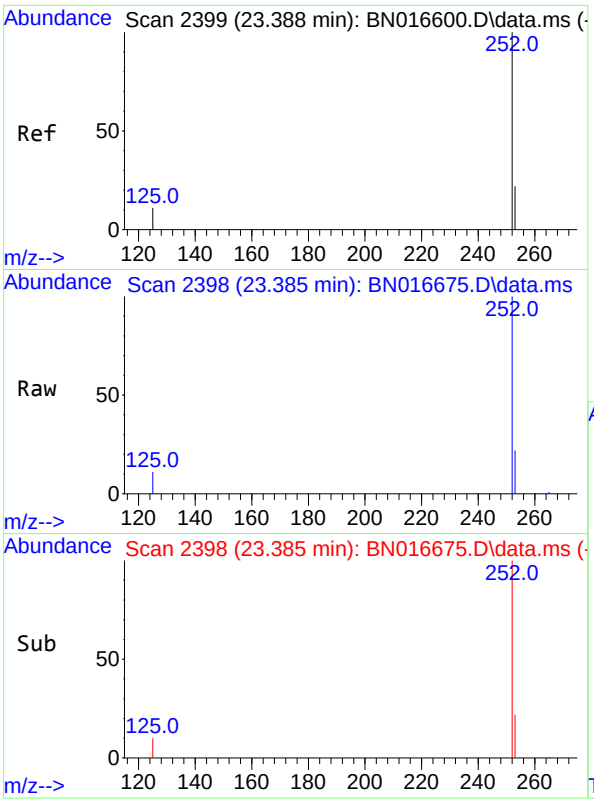
#38
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 22.851 min Scan# 2242
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:252 Resp: 172587

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.7	8.0	12.0



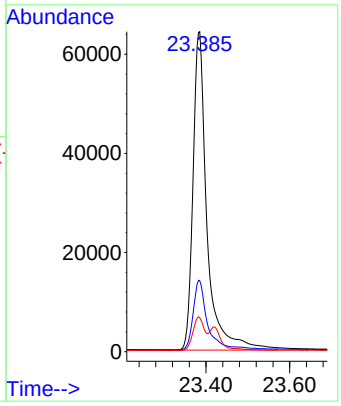
Instrument :
BNA_N
ClientSampleId :
PB139275BS

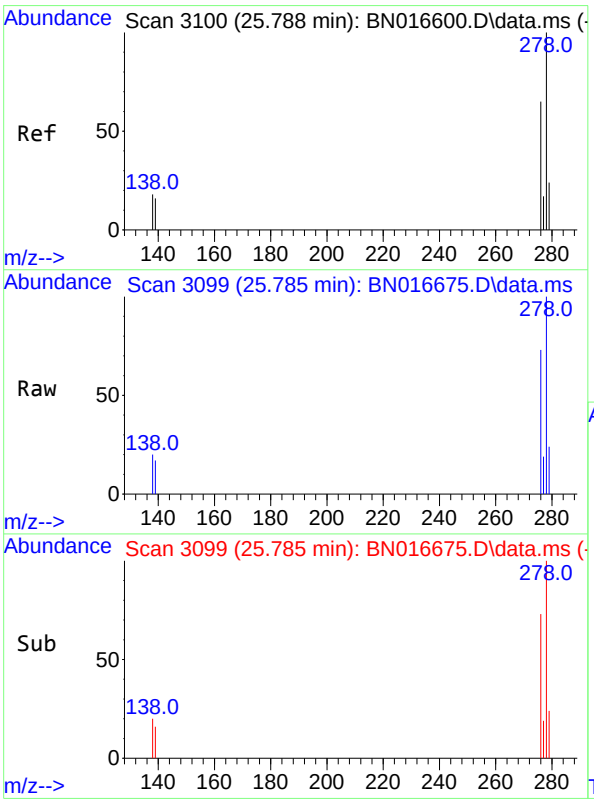


#39
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:252 Resp: 150040

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	10.6	9.0	13.4

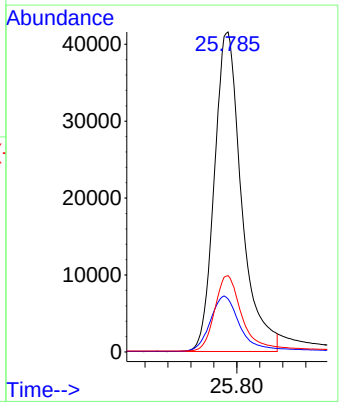


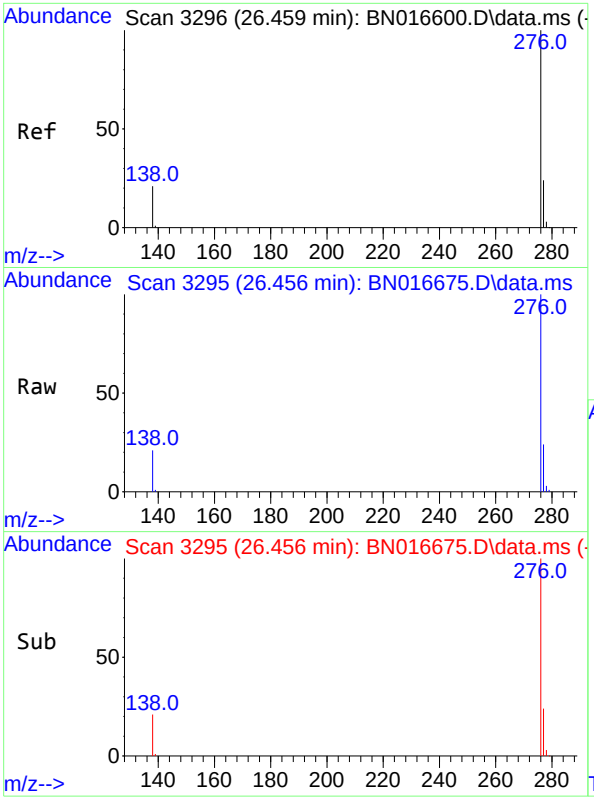


#40
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:278 Resp: 136386

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.1	19.7
279	23.8	19.1	28.7

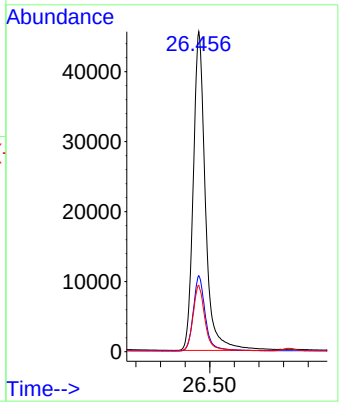




#41
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 26.456 min Scan# 3295
Delta R.T. -0.003 min
Lab File: BN016675.D
Acq: 02 Oct 2021 17:45

Tgt Ion:276 Resp: 156451

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.7	16.9	25.3



Instrument :
BNA_N
ClientSampleId :
PB139275BS