Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016676.D
Acq On : 02 Oct 2021 18:21
Operator : CG/JU
Sample : PB139402BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139402BS

Quant Time: Oct 04 03:34:54 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	35872	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	158265	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	83950	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	156990	0.40	ng	#-0.01
29) Chrysene-d12	21.227	240	150140	0.40	ng	#-0.01
35) Perylene-d12	23.485	264	154207	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.264	112	32637	0.36	ng	0.00
5) Phenol-d6	6.822	99	35611	0.36	ng	0.00
8) Nitrobenzene-d5	8.784	82	33655	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	87331	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12344	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	124119	0.37	ng	-0.01
27) Fluoranthene-d10	19.063	212	154042	0.37	ng	0.00
31) Terphenyl-d14	19.679	244	128280	0.39	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.253	88	4968	0.30	ng	# 89
3) n-Nitrosodimethylamine	3.595	42	9756	0.37	ng	98
6) bis(2-Chloroethyl)ether	7.080	93	37263	0.38	ng	100
9) Naphthalene	10.457	128	158348	0.37	ng	100
10) Hexachlorobutadiene	10.749	225	30326	0.38	ng	# 100
12) 2-Methylnaphthalene	12.078	142	103669	0.38	ng	99
16) Acenaphthylene	13.990	152	128146	0.35	ng	100
17) Acenaphthene	14.332	154	90732	0.37	ng	100
18) Fluorene	15.322	166	109687	0.38	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	2227	0.25	ng	99
21) 4-Bromophenyl-phenylether	16.227	248	34957	0.36	ng	93
22) Hexachlorobenzene	16.324	284	42065	0.37	ng	99
23) Atrazine	16.506	200	21578	0.30	ng	98
24) Pentachlorophenol	16.677	266	11333	0.30	ng	99
25) Phenanthrene	17.066	178	176459	0.37	ng	100
26) Anthracene	17.151	178	141678	0.35	ng	100
28) Fluoranthene	19.093	202	193675	0.38	ng	100
30) Pyrene	19.460	202	193893	0.40	ng	100
32) Benzo(a)anthracene	21.217	228	168012	0.36	ng	99
33) Chrysene	21.270	228	193758	0.42	ng	99
34) Bis(2-ethylhexyl)phtha...	21.164	149	54700	0.30	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	193299	0.35	ng	99
37) Benzo(b)fluoranthene	22.807	252	179859	0.36	ng	99
38) Benzo(k)fluoranthene	22.848	252	189946	0.39	ng	98
39) Benzo(a)pyrene	23.385	252	165600	0.38	ng	99
40) Dibenzo(a,h)anthracene	25.781	278	150415	0.34	ng	99
41) Benzo(g,h,i)perylene	26.456	276	170170	0.35	ng	100

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

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Instrument :
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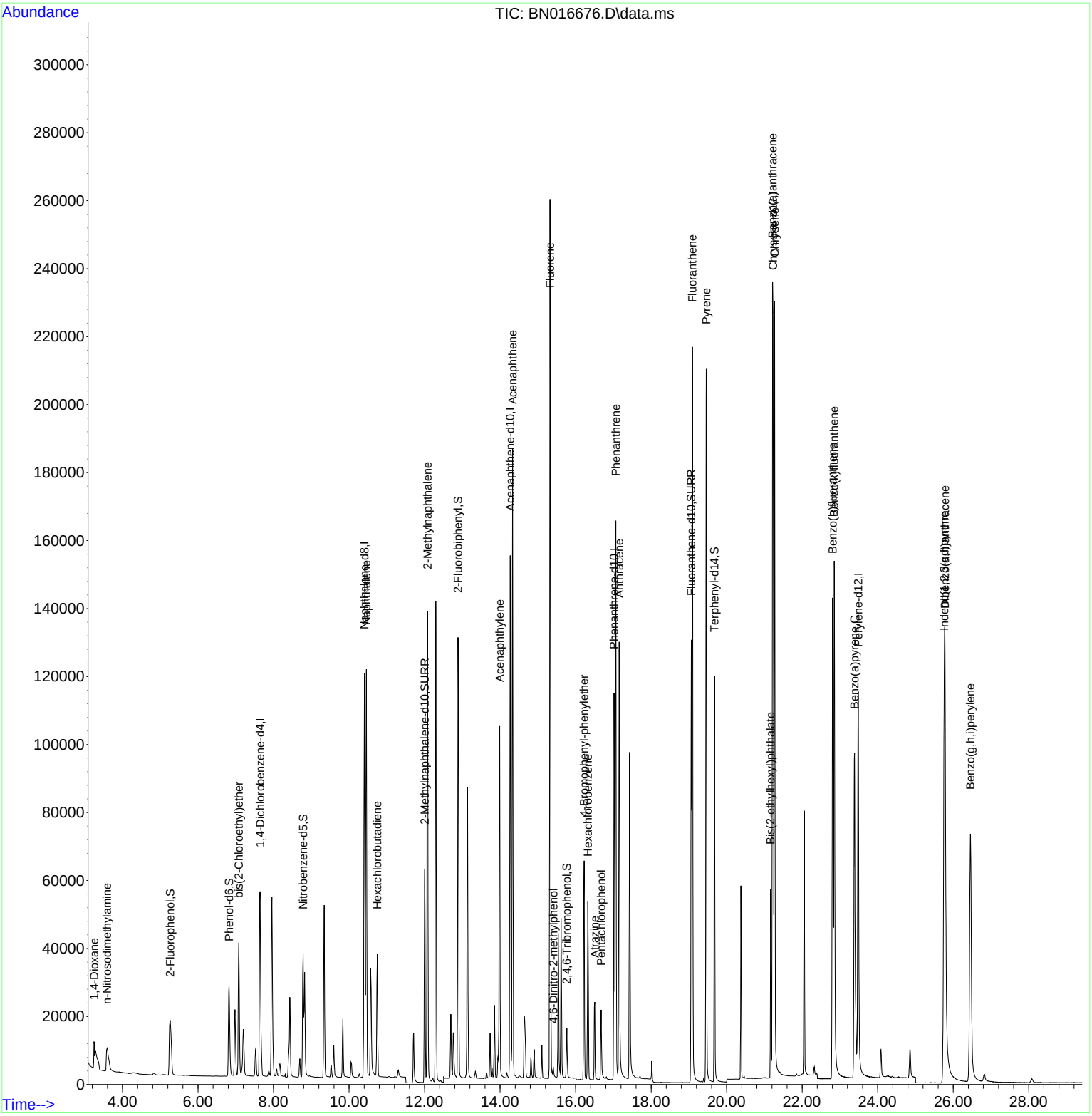
Quant Time: Oct 04 03:34:54 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration



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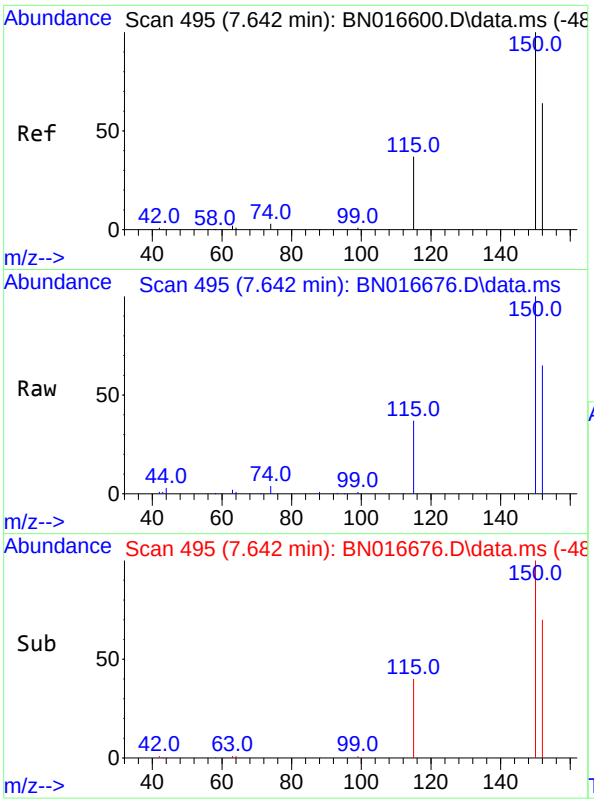
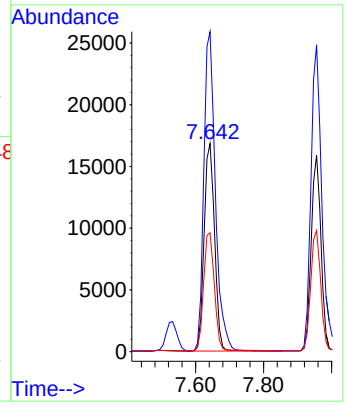
PB139402BS

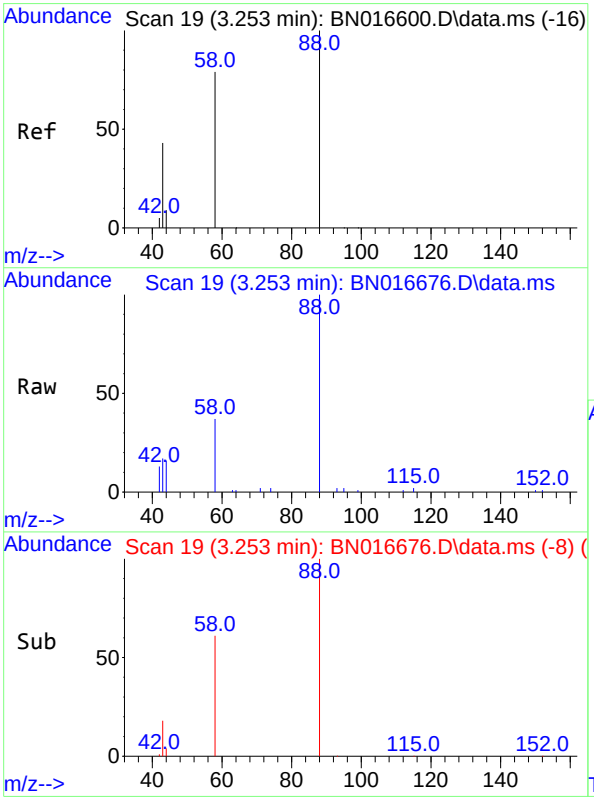


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:152 Resp: 35872

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	57.1	46.5	69.7

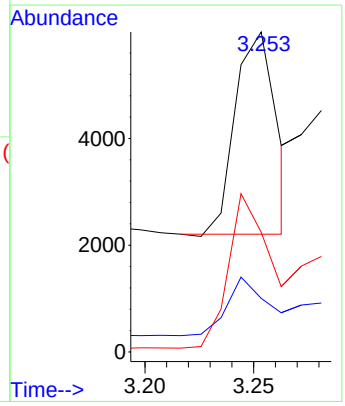




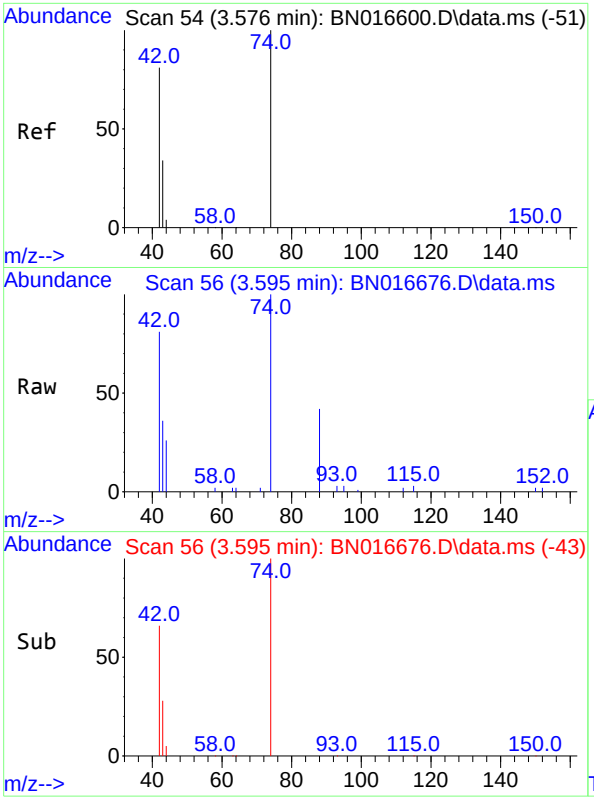
#2
1,4-Dioxane
Concen: 0.30 ng
RT: 3.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion: 88 Resp: 4968

Ion	Ratio	Lower	Upper
88	100		
43	28.9	37.8	56.8#
58	77.7	61.3	91.9



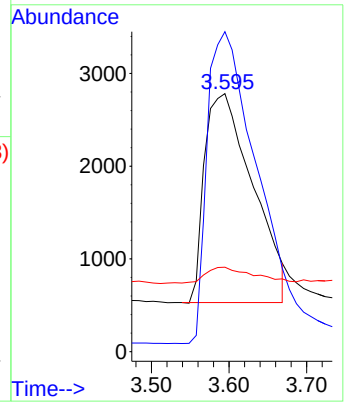
Instrument :
BNA_N
ClientSampleId :
PB139402BS

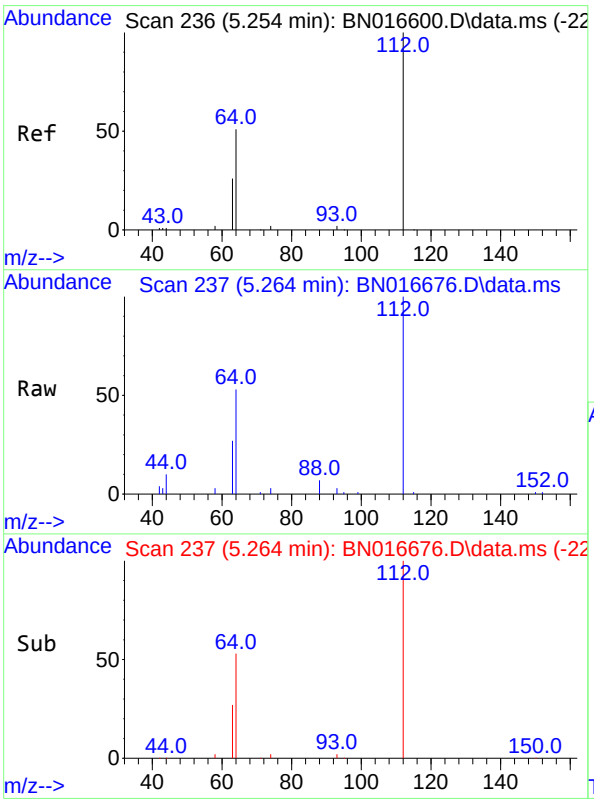


#3
n-Nitrosodimethylamine
Concen: 0.37 ng
RT: 3.595 min Scan# 56
Delta R.T. 0.019 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion: 42 Resp: 9756

Ion	Ratio	Lower	Upper
42	100		
74	150.0	121.6	182.4
44	7.5	6.3	9.5

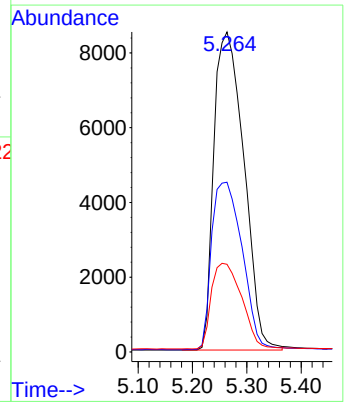




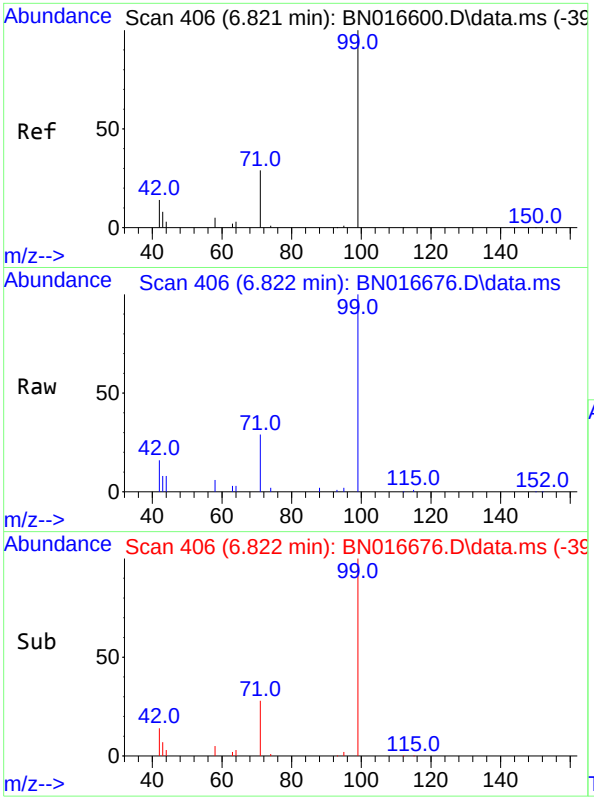
#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.264 min Scan# 237
Delta R.T. 0.010 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:112 Resp: 32637

Ion	Ratio	Lower	Upper
112	100		
64	53.7	43.1	64.7
63	27.2	21.6	32.4



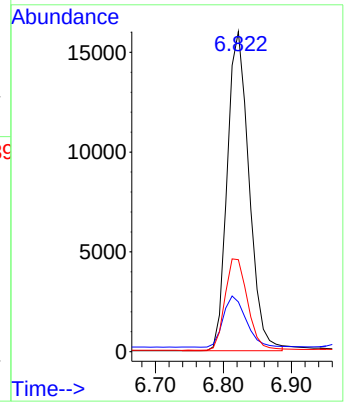
Instrument :
BNA_N
ClientSampleId :
PB139402BS

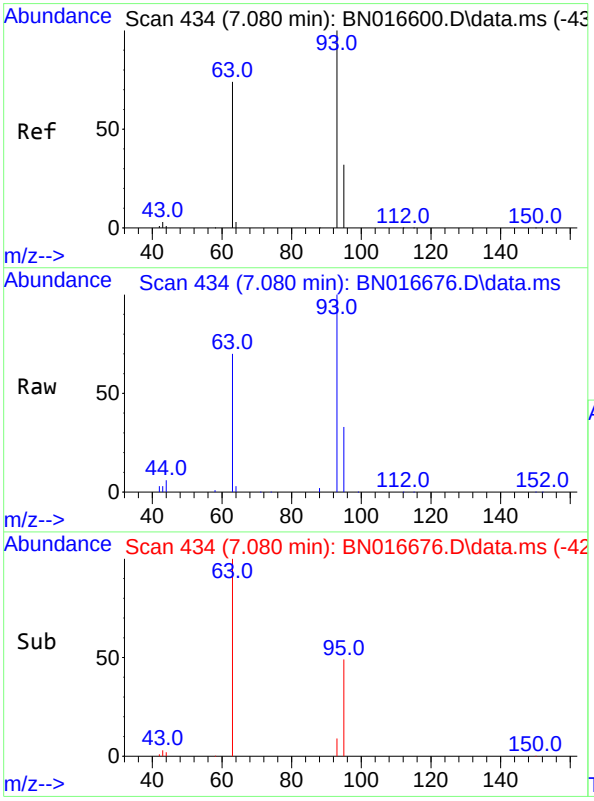


#5
Phenol-d6
Concen: 0.36 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion: 99 Resp: 35611

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.0	19.6
71	29.8	23.5	35.3

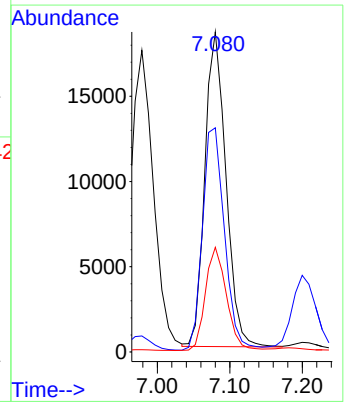




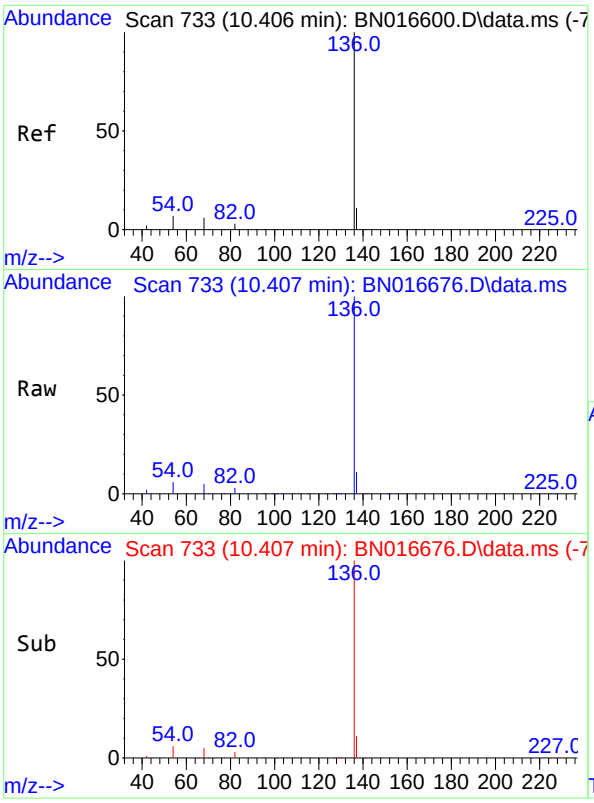
#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion: 93 Resp: 37263

Ion	Ratio	Lower	Upper
93	100		
63	74.1	59.1	88.7
95	32.7	26.2	39.4



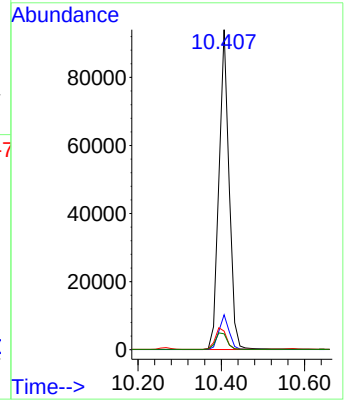
Instrument :
BNA_N
ClientSampleId :
PB139402BS

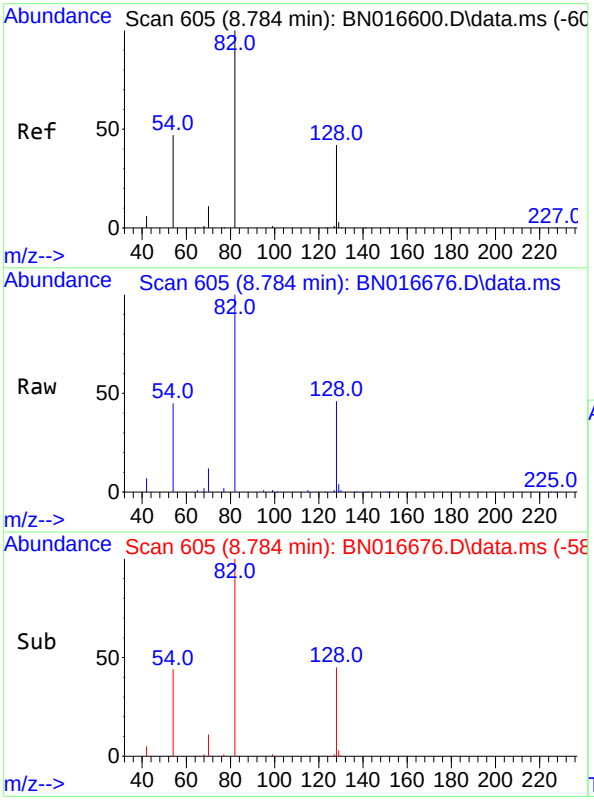


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:136 Resp: 158265

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	5.8	5.9	8.9#
68	4.9	5.0	7.6#

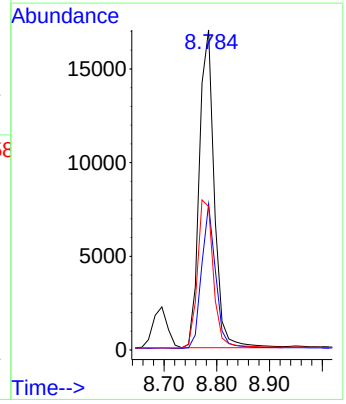




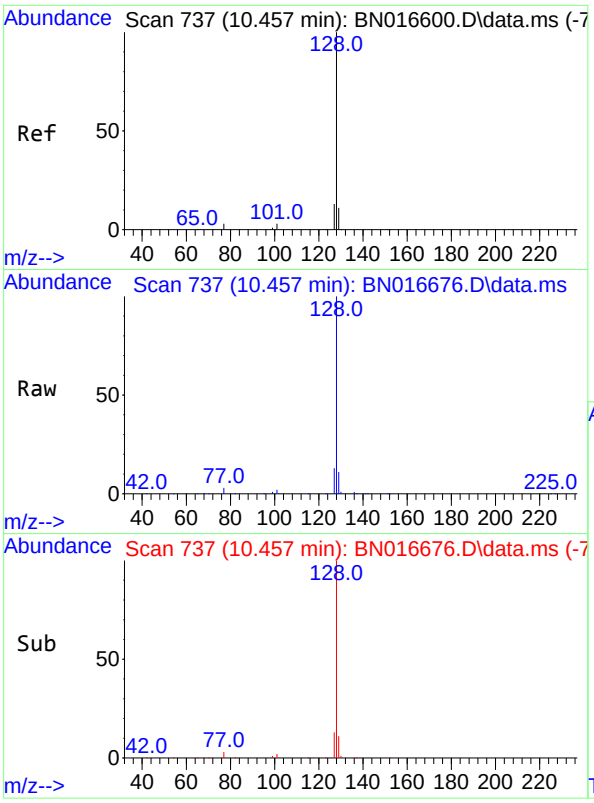
#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion: 82 Resp: 33655

Ion	Ratio	Lower	Upper
82	100		
128	45.6	33.6	50.4
54	44.8	37.6	56.4



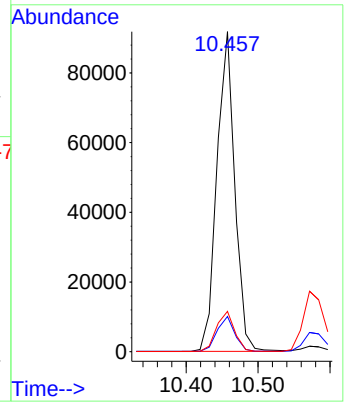
Instrument :
BNA_N
ClientSampleId :
PB139402BS

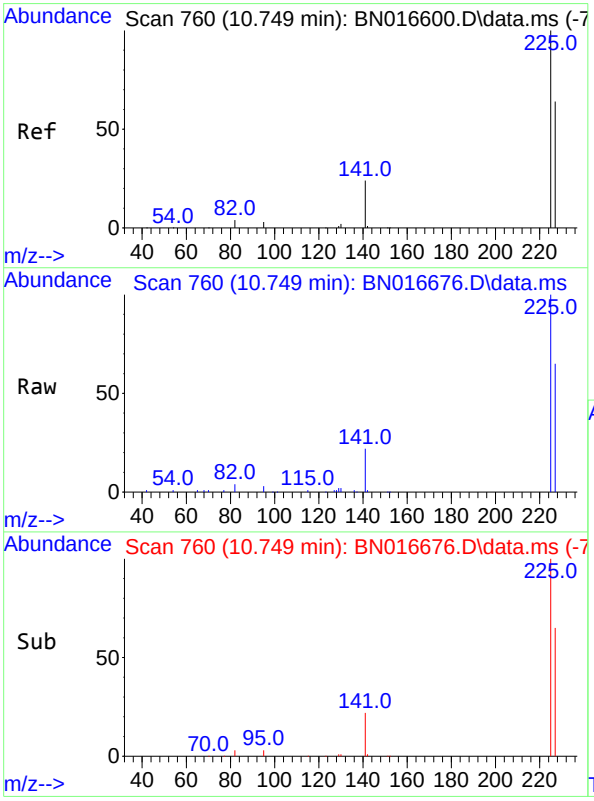


#9
Naphthalene
Concen: 0.37 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:128 Resp: 158348

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.3	15.5

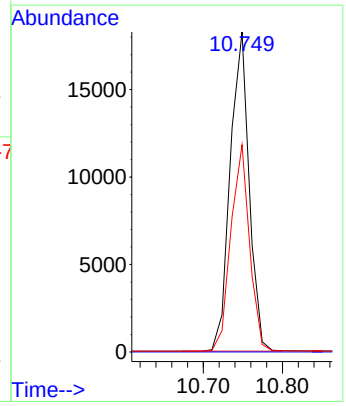




#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.749 min Scan# 760
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:225 Resp: 30326

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



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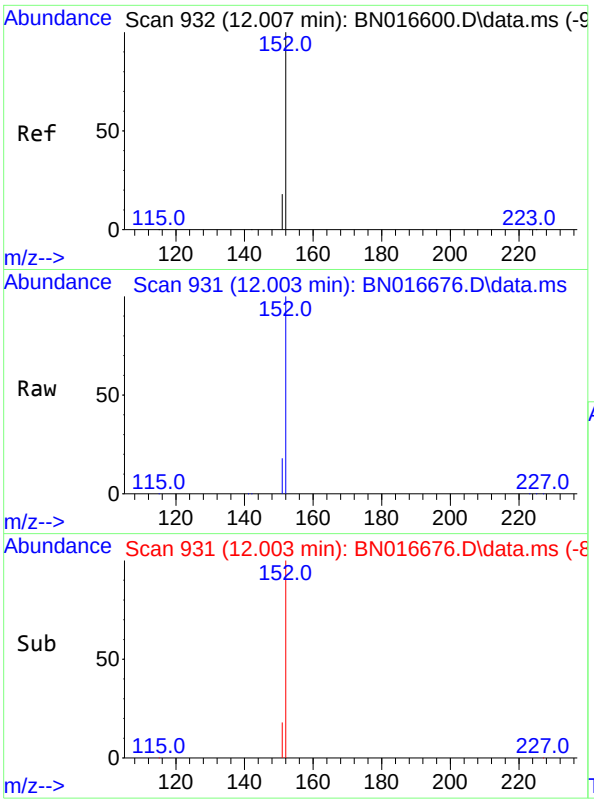
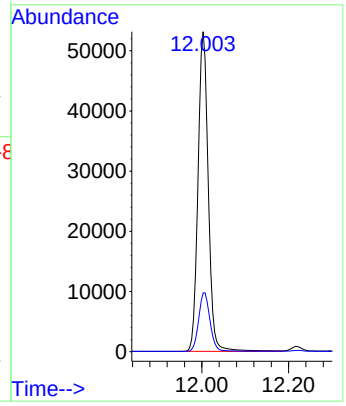
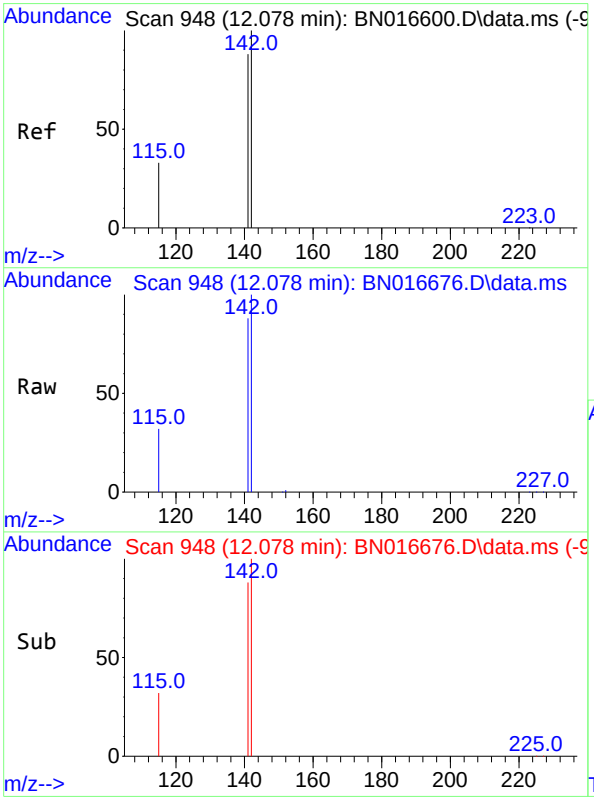


#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:152 Resp: 87331

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4

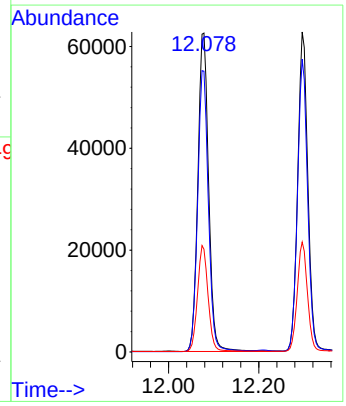




#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:142 Resp: 103669

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.6	105.8
115	32.2	26.6	39.8



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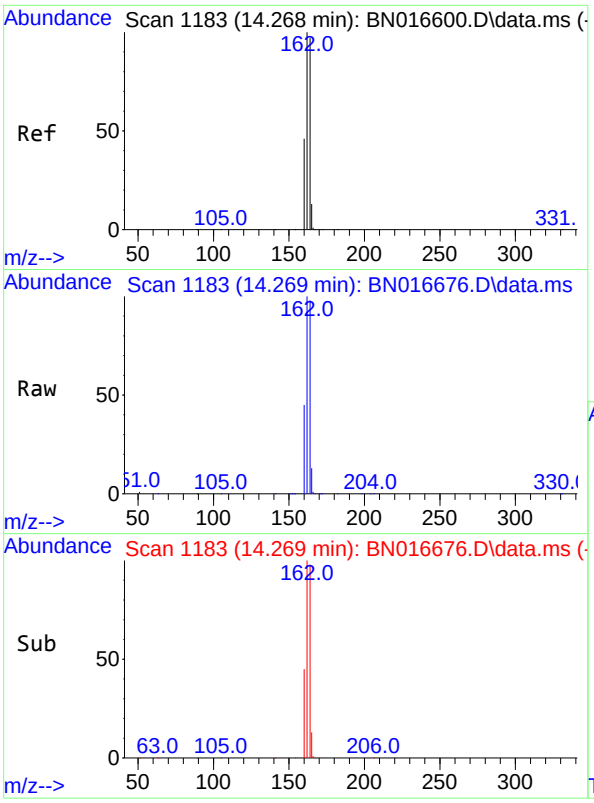
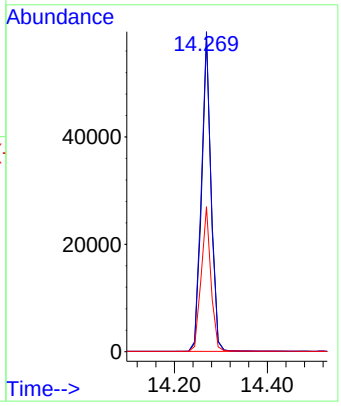
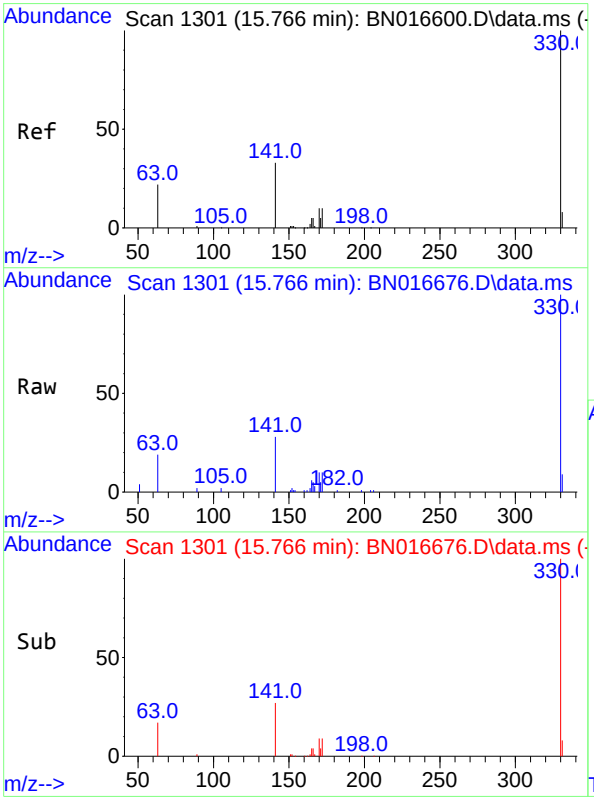


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:164 Resp: 83950

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.2
160	46.0	37.7	56.5

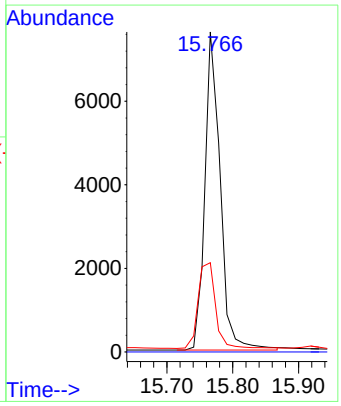




#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:330 Resp: 12344

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.6	25.2	37.8



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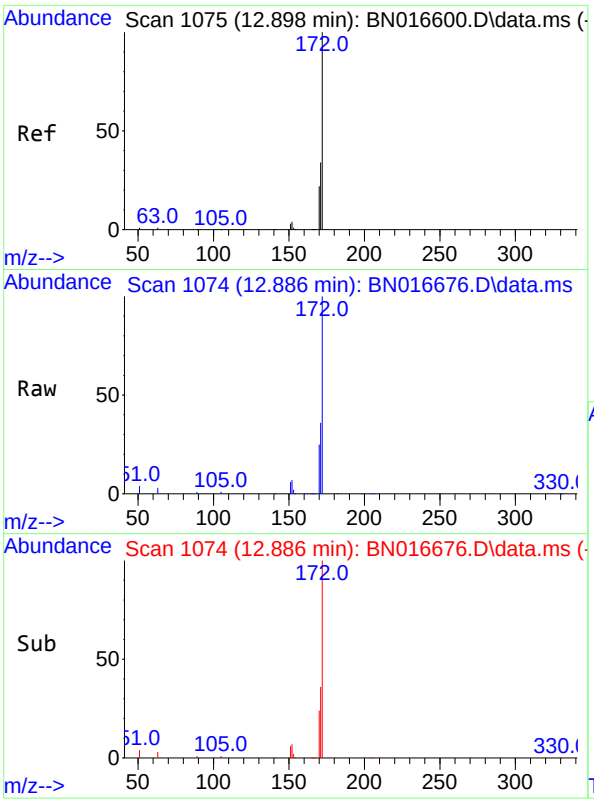
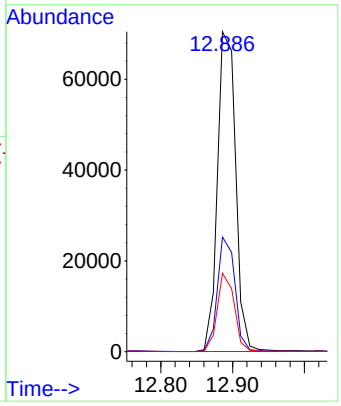
ClientSampleId :
PB139402BS

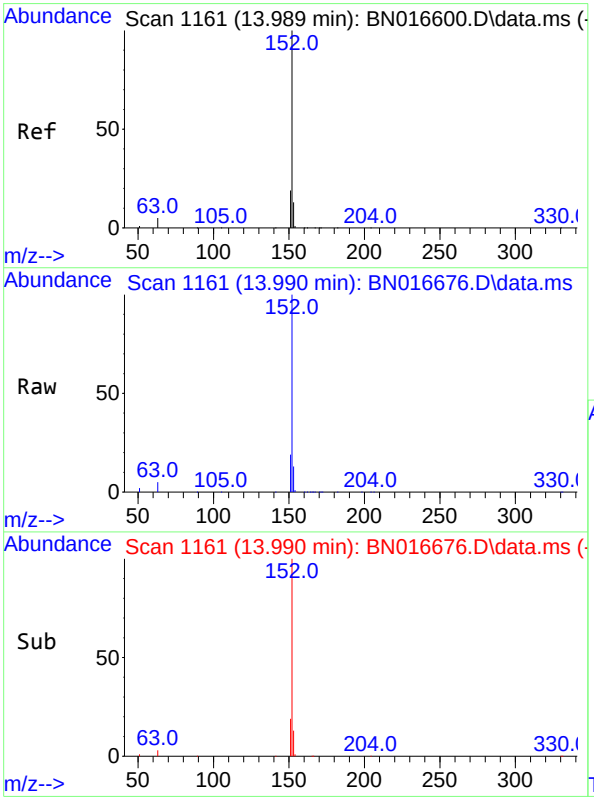


#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:172 Resp: 124119

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.0	40.4
170	24.5	17.4	26.2

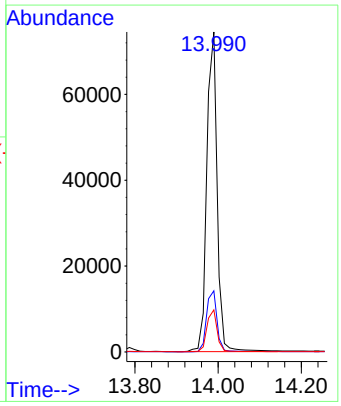




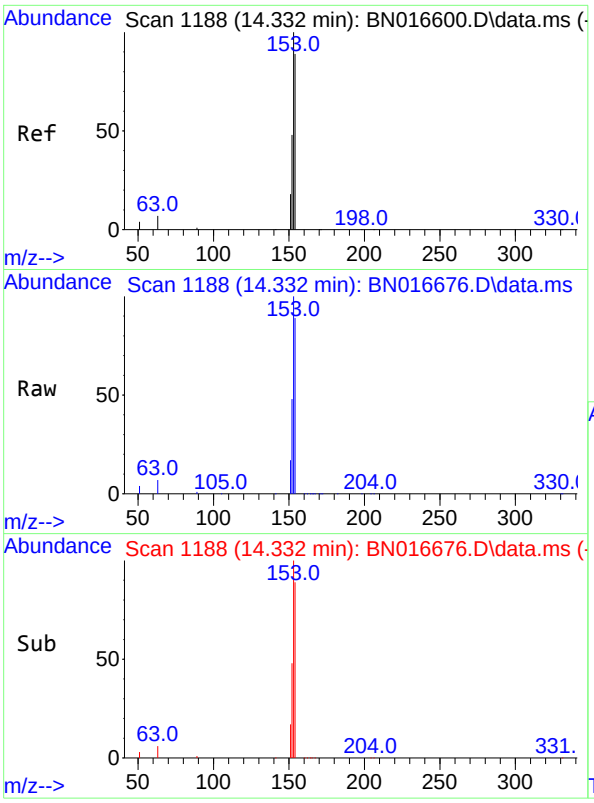
#16
Acenaphthylene
Concen: 0.35 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:152 Resp: 128146

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



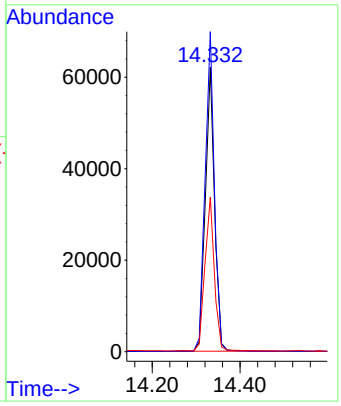
Instrument :
BNA_N
ClientSampleId :
PB139402BS

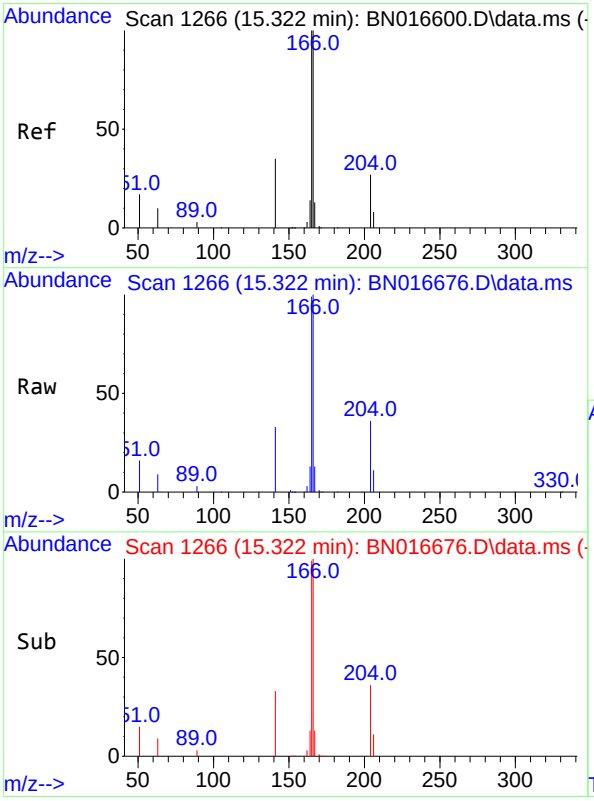


#17
Acenaphthene
Concen: 0.37 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:154 Resp: 90732

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.2	135.2
152	55.4	44.0	66.0

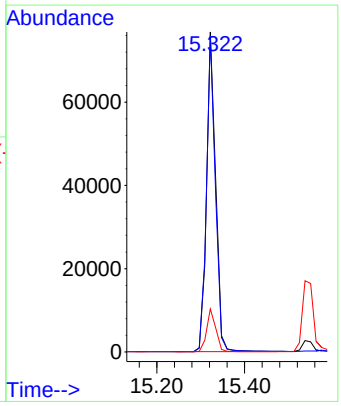




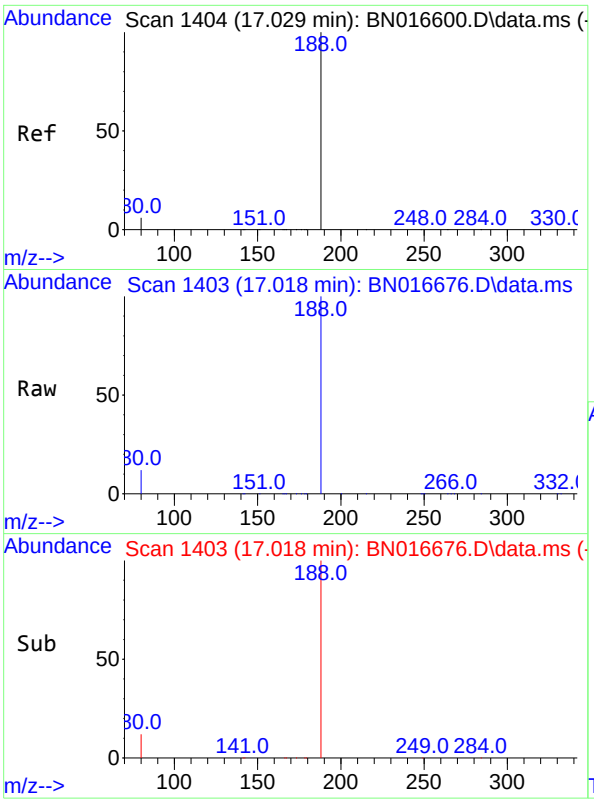
#18
Fluorene
Concen: 0.38 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:166 Resp: 109687

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	13.5	10.7	16.1



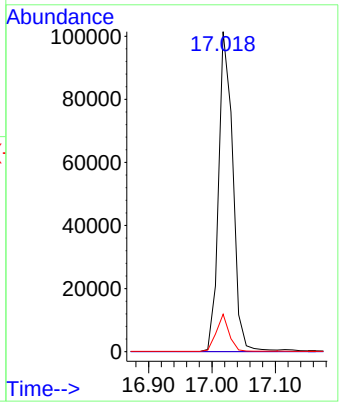
Instrument :
BNA_N
ClientSampleId :
PB139402BS

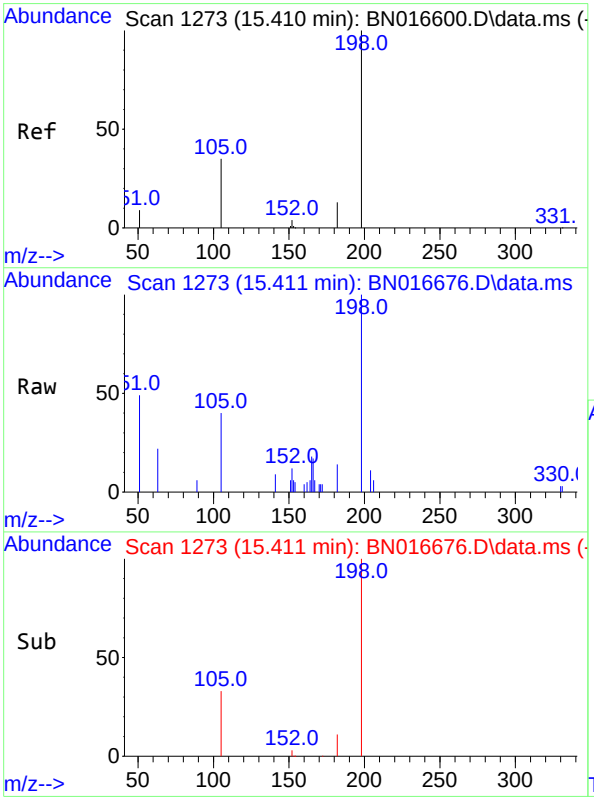


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:188 Resp: 156990

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	5.0	7.6#

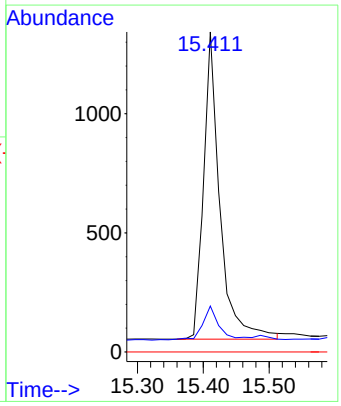




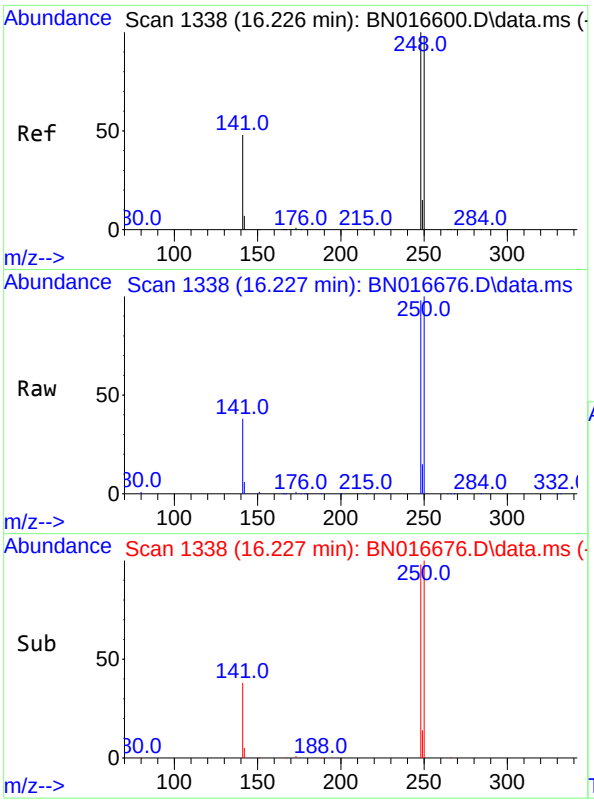
#20
4,6-Dinitro-2-methylphenol
Concen: 0.25 ng
RT: 15.411 min Scan# 1273
Delta R.T. 0.001 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:198 Resp: 2227

Ion	Ratio	Lower	Upper
198	100		
182	14.4	11.8	17.8
77	0.0	0.0	0.0



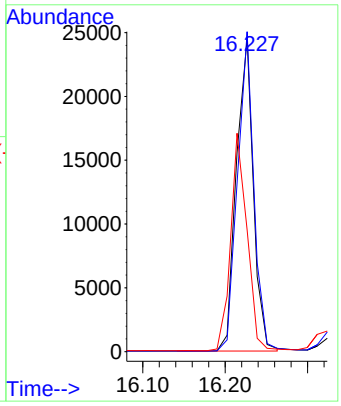
Instrument :
BNA_N
ClientSampleId :
PB139402BS

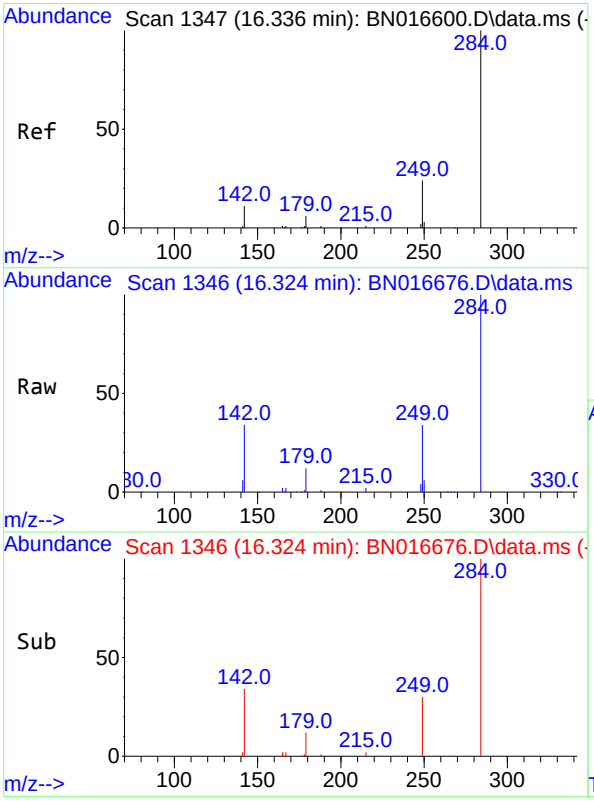


#21
4-Bromophenyl-phenylether
Concen: 0.36 ng
RT: 16.227 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:248 Resp: 34957

Ion	Ratio	Lower	Upper
248	100		
250	102.1	78.6	117.8
141	38.8	38.6	57.8

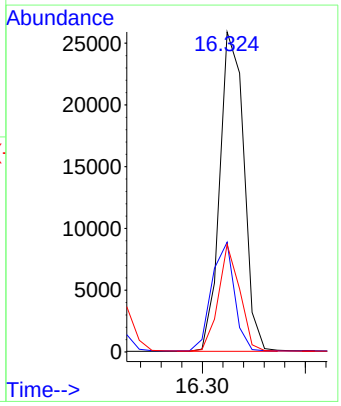




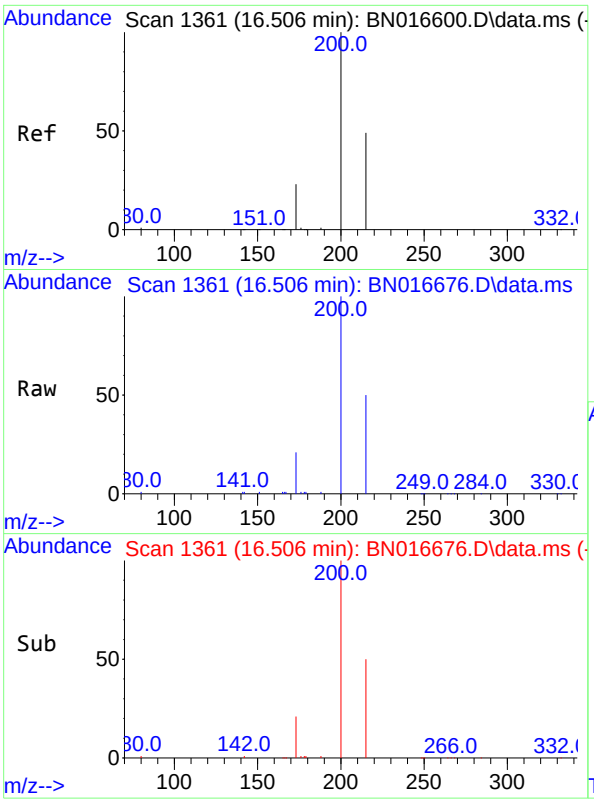
#22
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.324 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:284 Resp: 42065

Ion	Ratio	Lower	Upper
284	100		
142	32.1	26.4	39.6
249	29.4	23.4	35.2



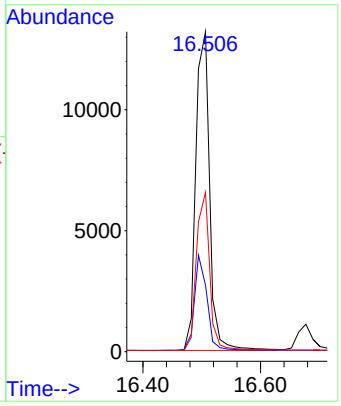
Instrument :
BNA_N
ClientSampleId :
PB139402BS

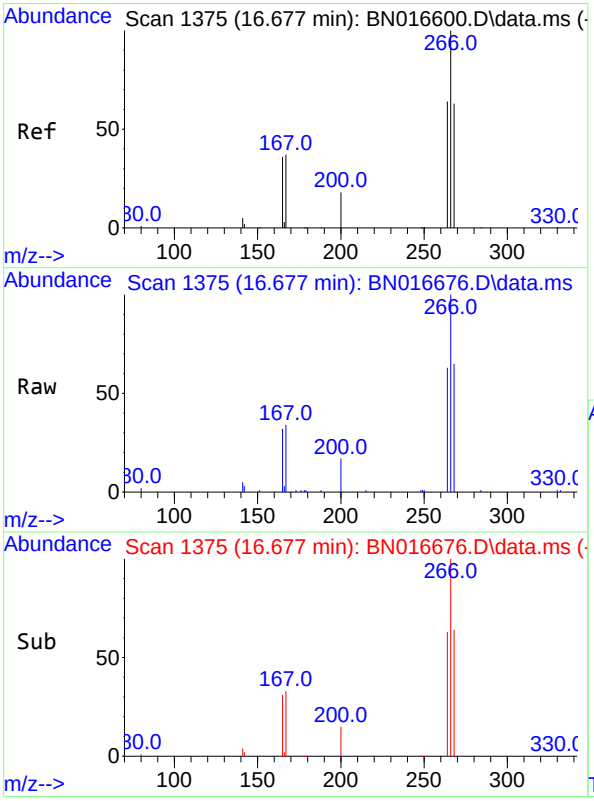


#23
Atrazine
Concen: 0.30 ng
RT: 16.506 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:200 Resp: 21578

Ion	Ratio	Lower	Upper
200	100		
173	20.8	18.6	27.8
215	49.8	39.4	59.2

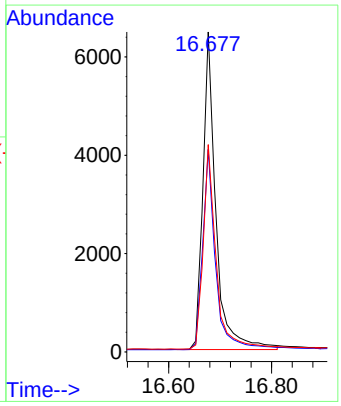


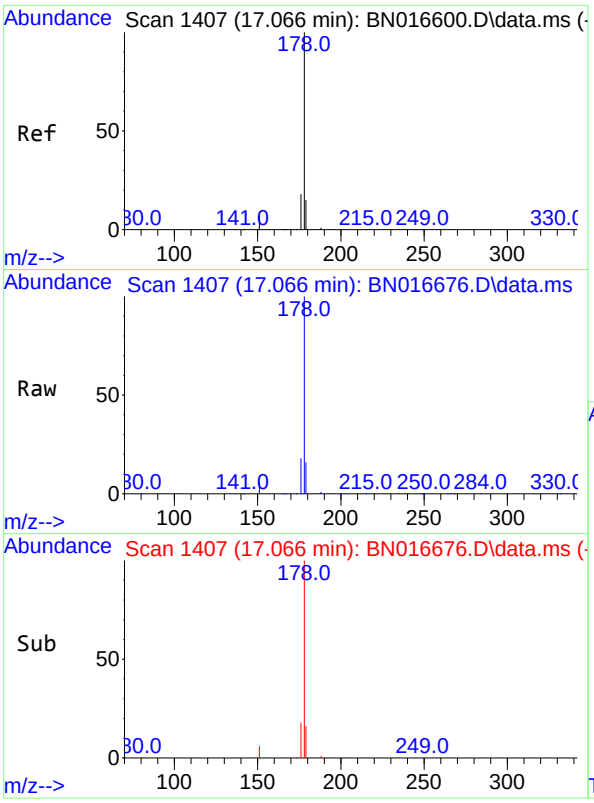


#24
Pentachlorophenol
Concen: 0.30 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:266 Resp: 11333

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.8	74.6
268	64.4	51.4	77.2

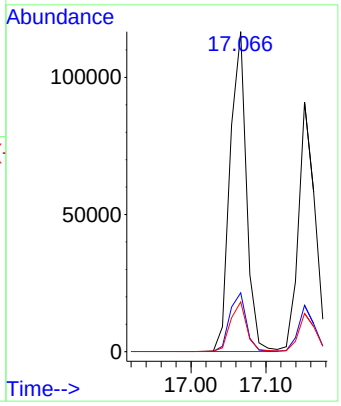




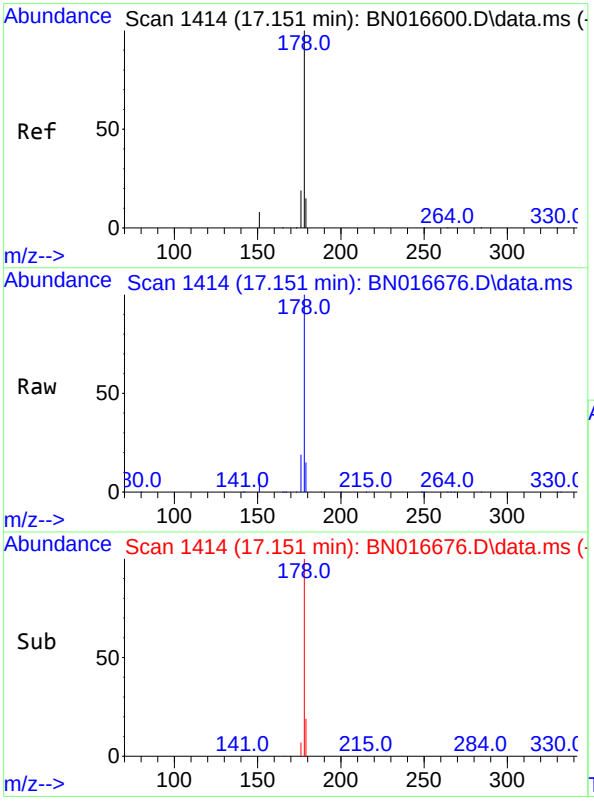
#25
Phenanthrene
Concen: 0.37 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:178 Resp: 176459

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



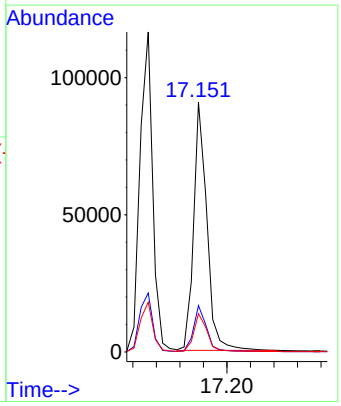
Instrument :
BNA_N
ClientSampleId :
PB139402BS



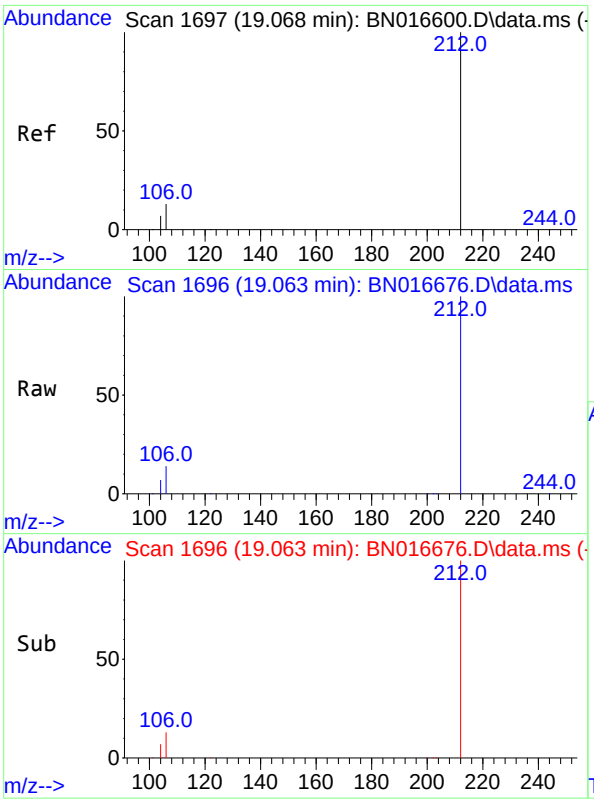
#26
Anthracene
Concen: 0.35 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:178 Resp: 141678

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.3	12.2	18.4



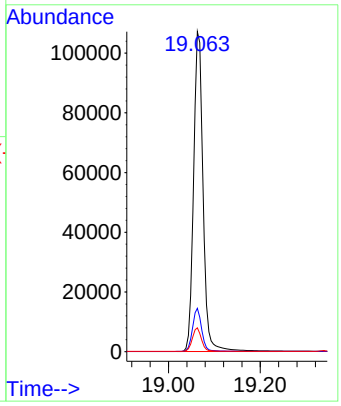
Instrument :
BNA_N
ClientSampleId :
PB139402BS

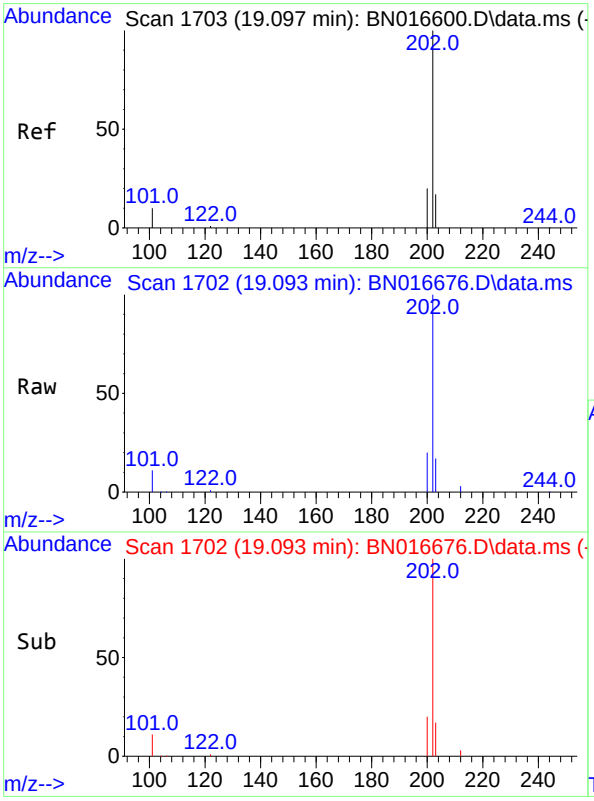


#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:212 Resp: 154042

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

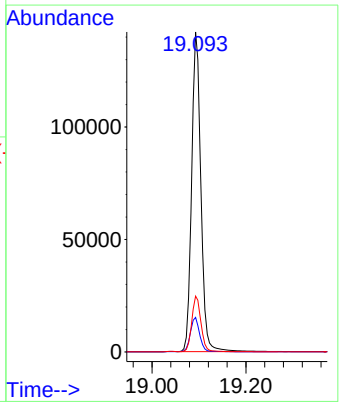




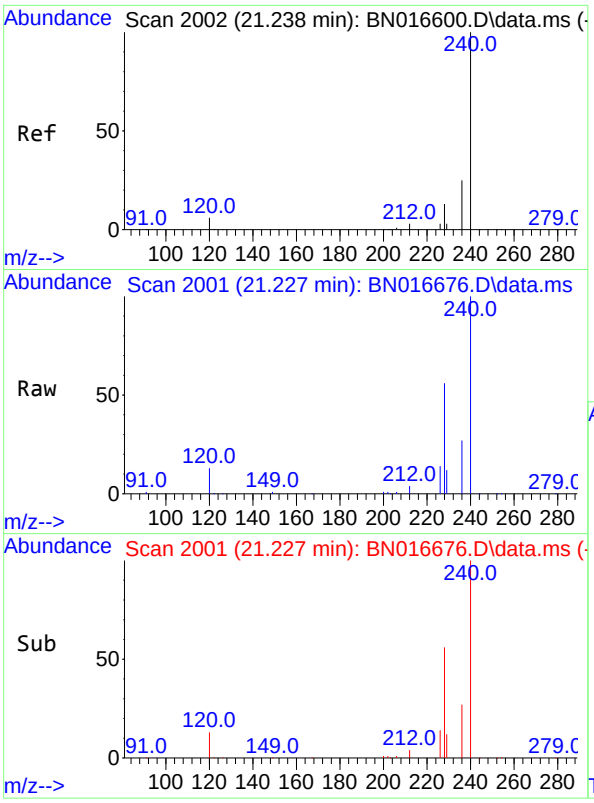
#28
Fluoranthene
Concen: 0.38 ng
RT: 19.093 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:202 Resp: 193675

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.0	13.4
203	17.4	13.8	20.6



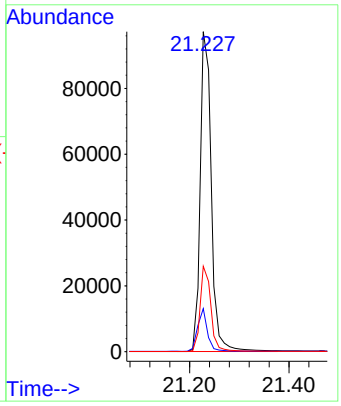
Instrument :
BNA_N
ClientSampleId :
PB139402BS

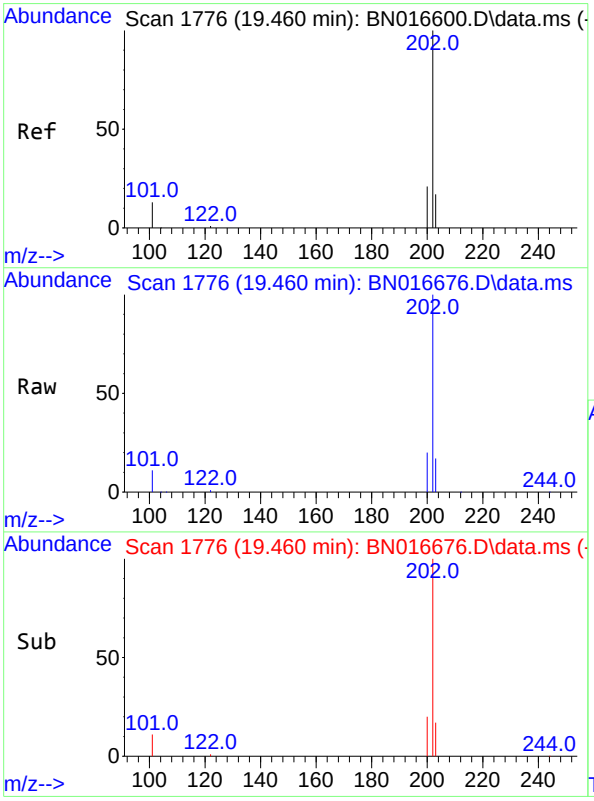


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.010 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:240 Resp: 150140

Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.0	7.4#
236	26.7	20.4	30.6

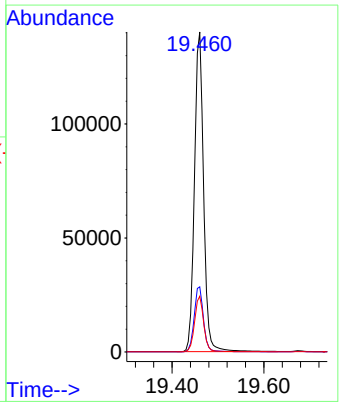




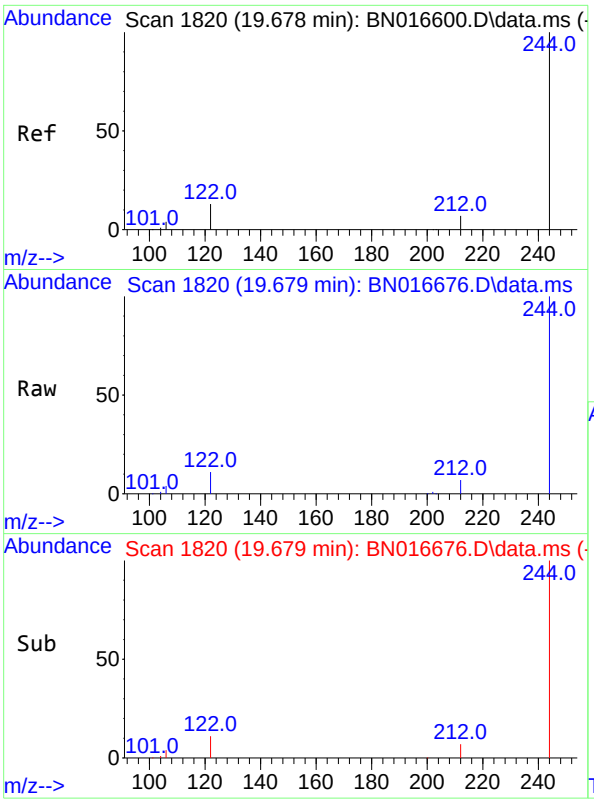
#30
Pyrene
Concen: 0.40 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:202 Resp: 193893

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.4	14.0	21.0



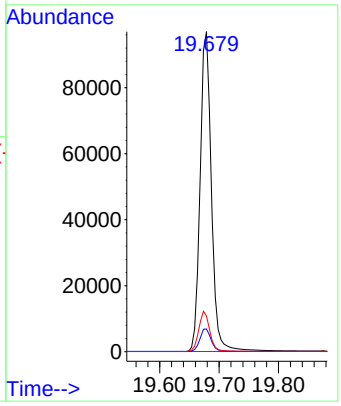
Instrument :
BNA_N
ClientSampleId :
PB139402BS

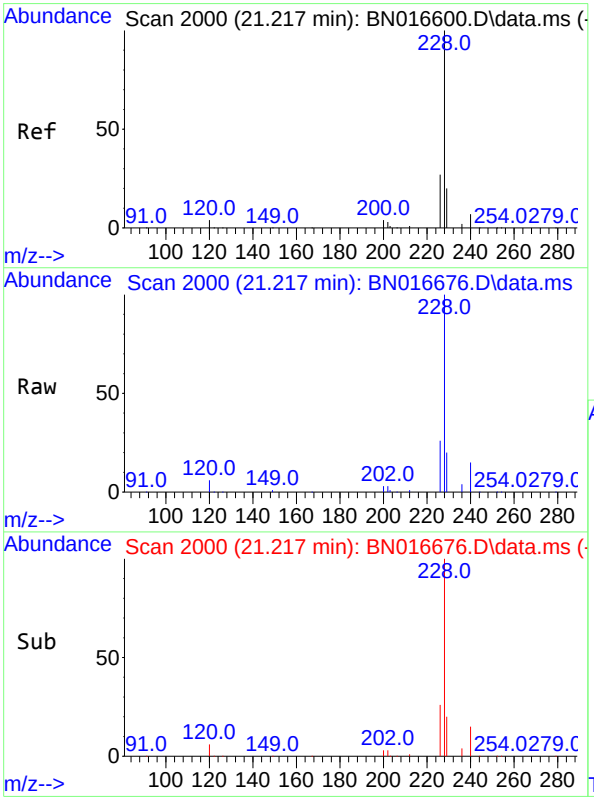


#31
Terphenyl-d14
Concen: 0.39 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:244 Resp: 128280

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.1	10.1	15.1

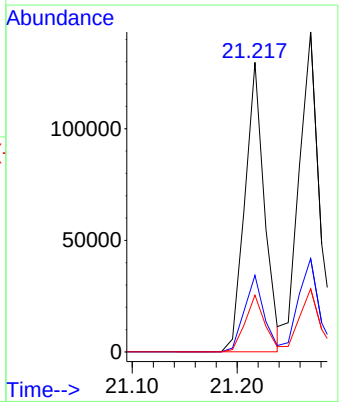




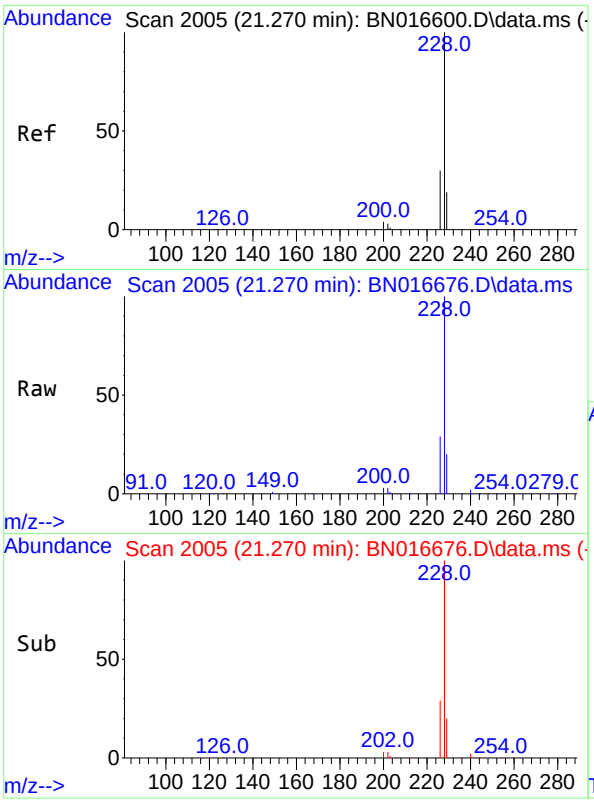
#32
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:228 Resp: 168012

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.9	32.9
229	19.6	15.7	23.5



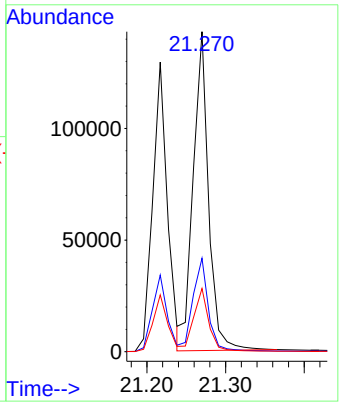
Instrument :
BNA_N
ClientSampleId :
PB139402BS

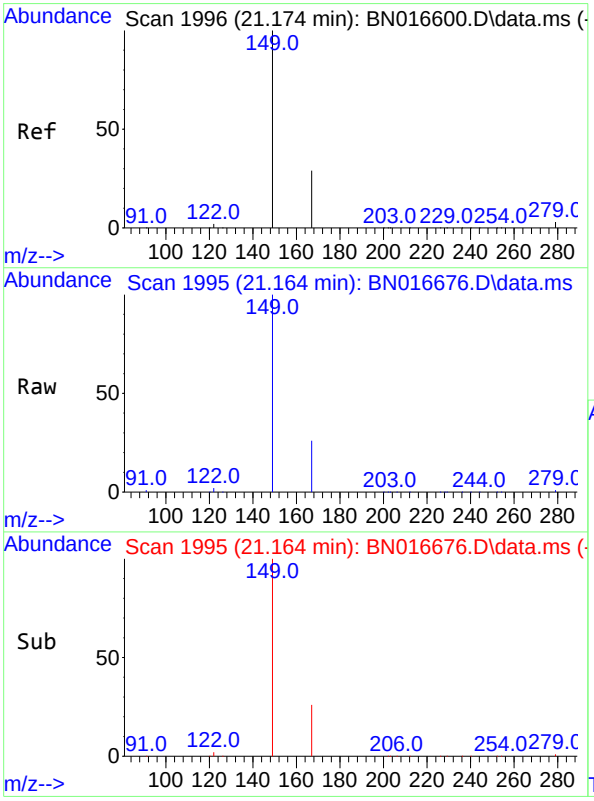


#33
Chrysene
Concen: 0.42 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:228 Resp: 193758

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.7	15.5	23.3

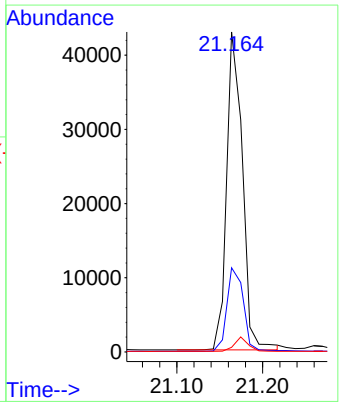




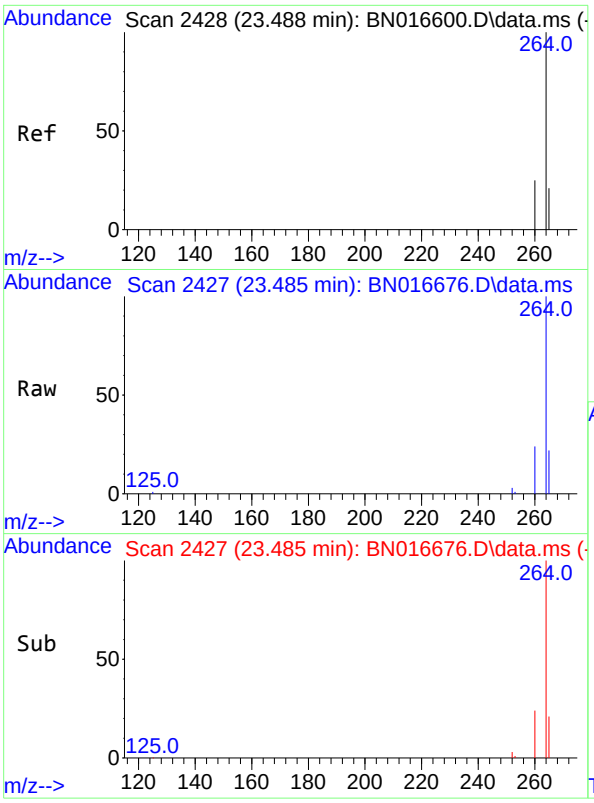
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:149 Resp: 54700

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.2	33.4
279	3.9	3.2	4.8



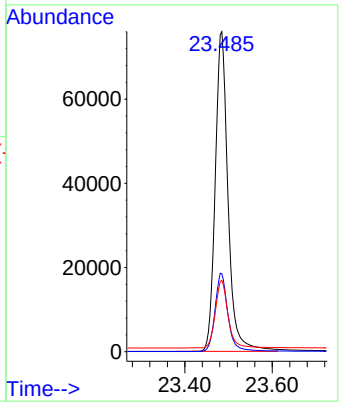
Instrument :
BNA_N
ClientSampleId :
PB139402BS

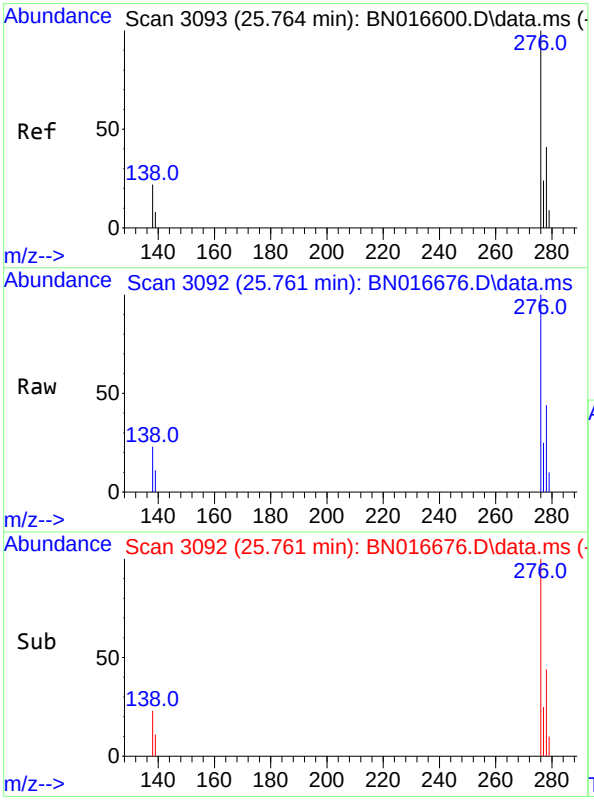


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.485 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:264 Resp: 154207

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	22.3	19.2	28.8

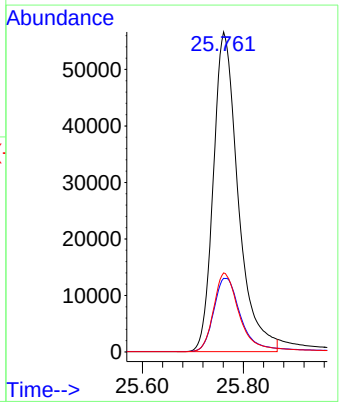




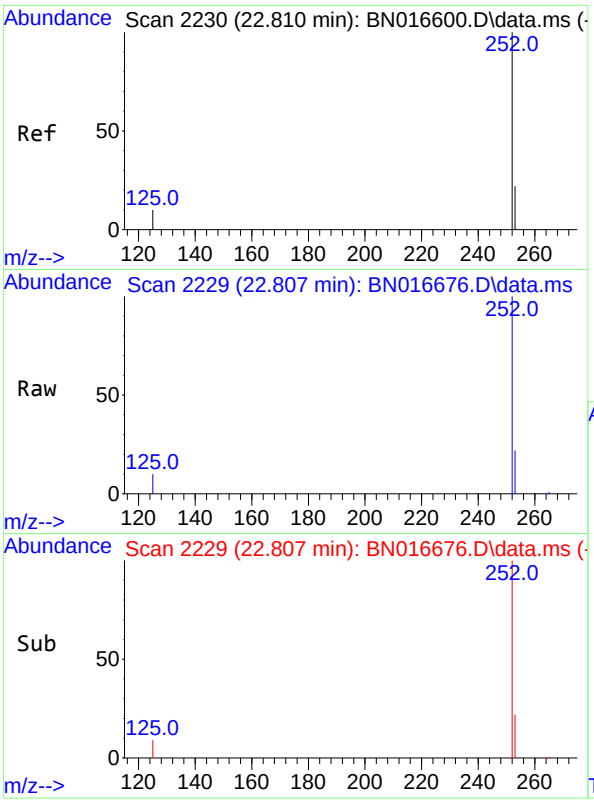
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 25.761 min Scan# 3092
Delta R.T. -0.003 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:276 Resp: 193299

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.5	29.3
277	25.1	19.9	29.9



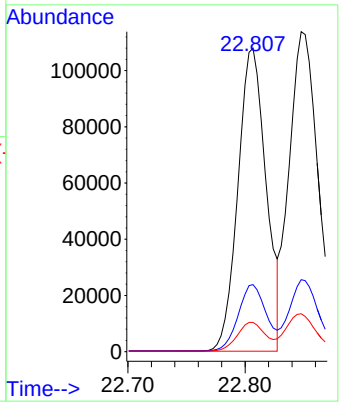
Instrument :
BNA_N
ClientSampleId :
PB139402BS

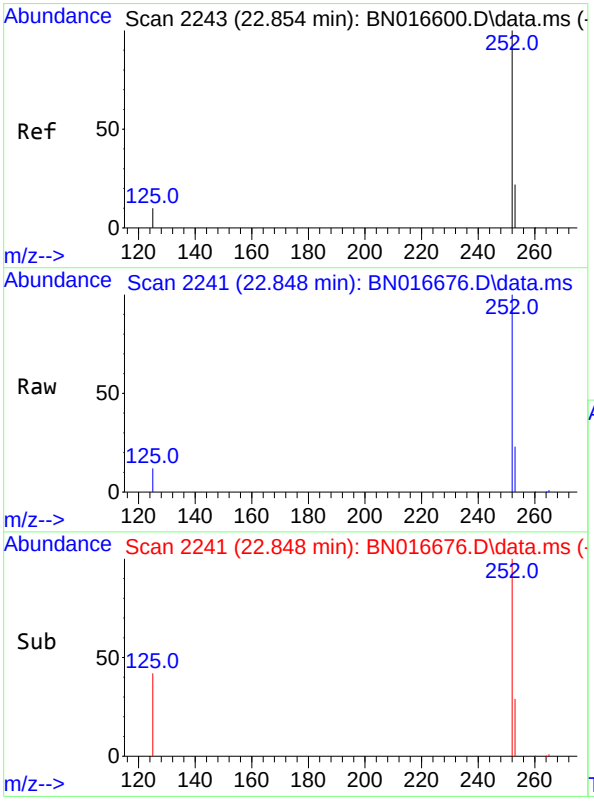


#37
Benzo(b)fluoranthene
Concen: 0.36 ng
RT: 22.807 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:252 Resp: 179859

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

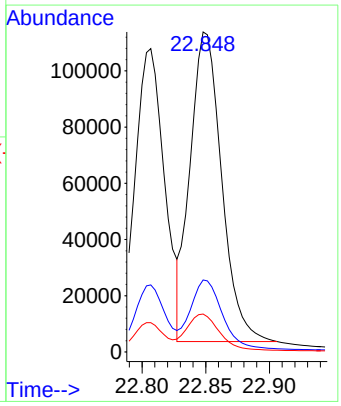




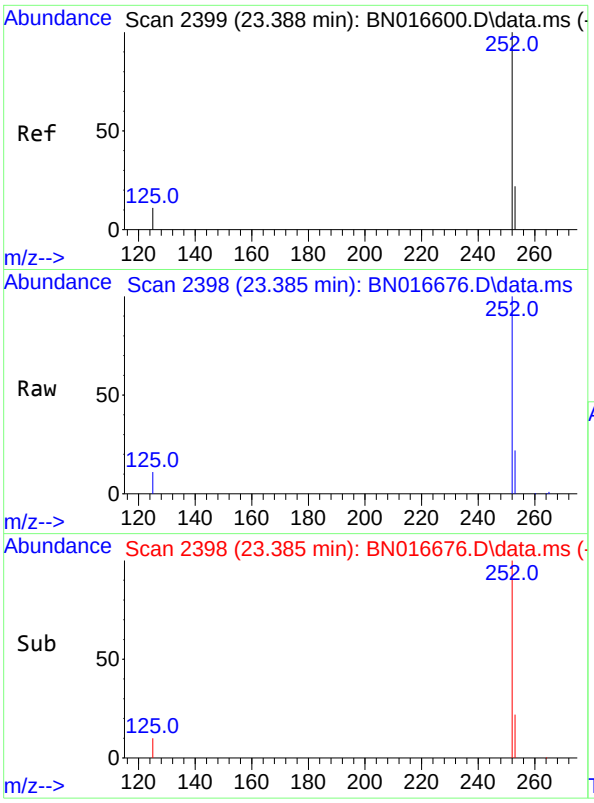
#38
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 22.848 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:252 Resp: 189946

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.9	8.0	12.0



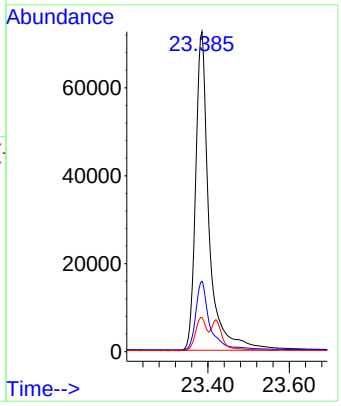
Instrument :
BNA_N
ClientSampleId :
PB139402BS

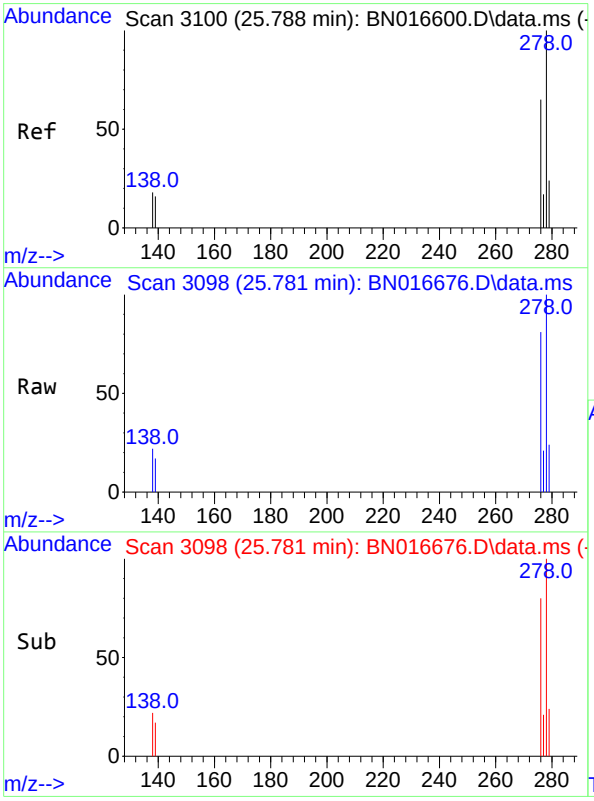


#39
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:252 Resp: 165600

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.6	9.0	13.4

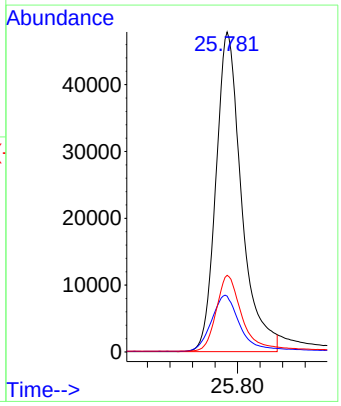


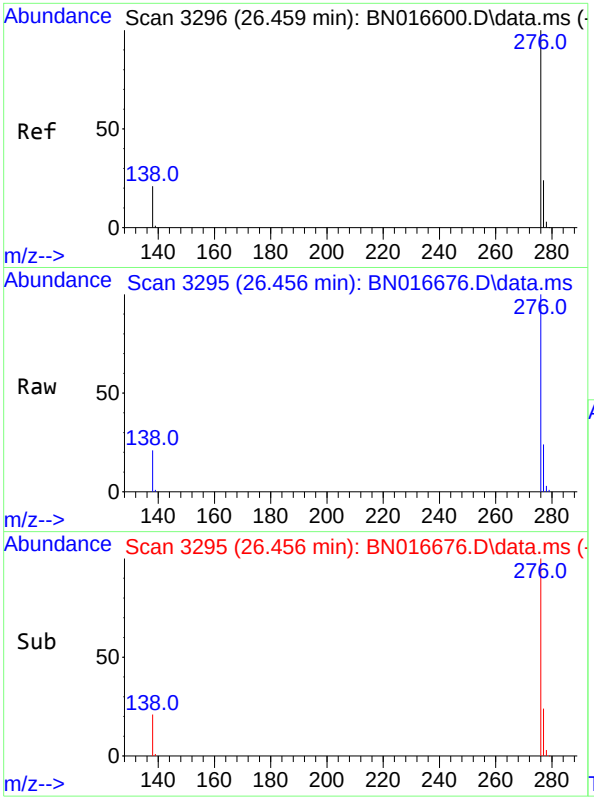


#40
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 25.781 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:278 Resp: 150415

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.1	19.7
279	24.0	19.1	28.7

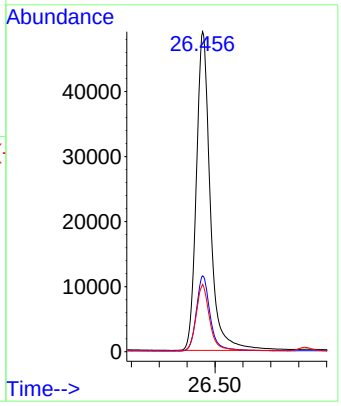




#41
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 26.456 min Scan# 3295
Delta R.T. -0.003 min
Lab File: BN016676.D
Acq: 02 Oct 2021 18:21

Tgt Ion:276 Resp: 170170

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	21.0	16.9	25.3



Instrument :
BNA_N
ClientSampleId :
PB139402BS