Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100821\
Data File : BN016845.D
Acq On : 08 Oct 2021 15:32
Operator : CG/JU
Sample : PB139589BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139589BS

Quant Time: Oct 08 16:06:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 15:46:07 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	18483	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	81659	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	41879	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	80149	0.400	ng	0.00
29) Chrysene-d12	21.217	240	84853	0.400	ng	# 0.01
35) Perylene-d12	23.453	264	90802	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.226	112	17060	0.369	ng	0.00
5) Phenol-d6	6.794	99	19115	0.364	ng	0.00
8) Nitrobenzene-d5	8.759	82	19092	0.334	ng	0.00
11) 2-Methylnaphthalene-d10	11.980	152	43850	0.361	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	7082	0.327	ng	0.00
15) 2-Fluorobiphenyl	12.873	172	63189	0.374	ng	0.00
27) Fluoranthene-d10	19.043	212	79177	0.356	ng	0.00
31) Terphenyl-d14	19.658	244	71927	0.389	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.216	88	2824	0.341	ng	# 73
3) n-Nitrosodimethylamine	3.567	42	5385	0.371	ng	# 98
6) bis(2-Chloroethyl)ether	7.052	93	19203	0.376	ng	100
9) Naphthalene	10.432	128	81397	0.366	ng	100
10) Hexachlorobutadiene	10.723	225	15684	0.369	ng	# 99
12) 2-Methylnaphthalene	12.051	142	52836	0.371	ng	100
16) Acenaphthylene	13.964	152	64852	0.351	ng	100
17) Acenaphthene	14.307	154	45069	0.367	ng	99
18) Fluorene	15.296	166	54719	0.366	ng	100
20) 4,6-Dinitro-2-methylph...	15.385	198	1411	0.272	ng	# 75
21) 4-Bromophenyl-phenylether	16.202	248	17755	0.355	ng	91
22) Hexachlorobenzene	16.312	284	21186	0.372	ng	99
23) Atrazine	16.482	200	12093	0.305	ng	98
24) Pentachlorophenol	16.652	266	6684	0.351	ng	98
25) Phenanthrene	17.042	178	88372	0.371	ng	100
26) Anthracene	17.127	178	73332	0.347	ng	100
28) Fluoranthene	19.073	202	99984	0.374	ng	100
30) Pyrene	19.435	202	101351	0.388	ng	100
32) Benzo(a)anthracene	21.195	228	101369	0.386	ng	98
33) Chrysene	21.248	228	105586	0.395	ng	98
34) Bis(2-ethylhexyl)phtha...	21.153	149	37618	0.282	ng	100
36) Indeno(1,2,3-cd)pyrene	25.716	276	132654	0.386	ng	99
37) Benzo(b)fluoranthene	22.779	252	111650	0.388	ng	99
38) Benzo(k)fluoranthene	22.824	252	111018	0.397	ng	99
39) Benzo(a)pyrene	23.354	252	100050	0.381	ng	99
40) Dibenzo(a,h)anthracene	25.737	278	108592	0.386	ng	99
41) Benzo(g,h,i)perylene	26.407	276	112709	0.377	ng	99

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

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Instrument :
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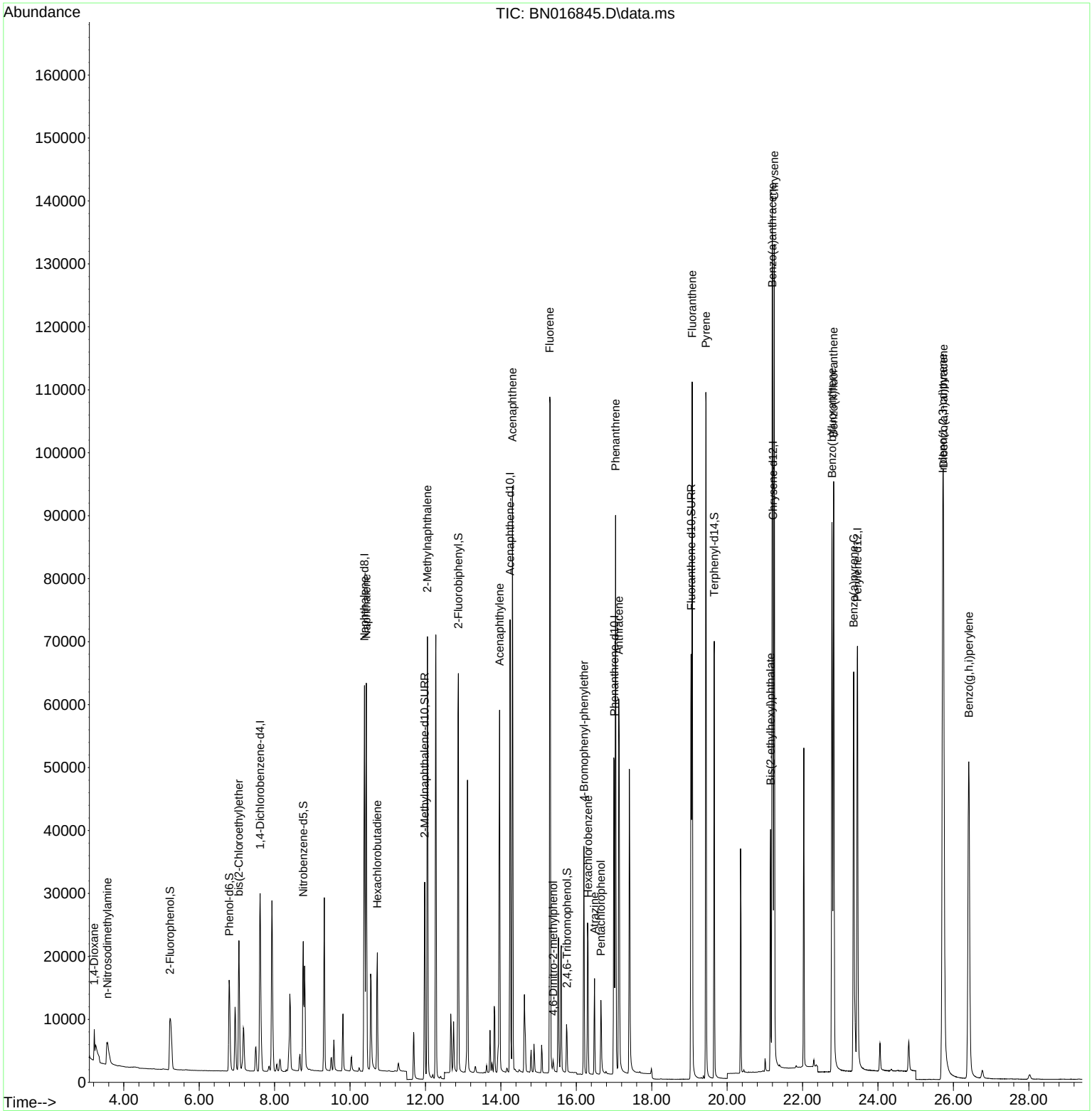

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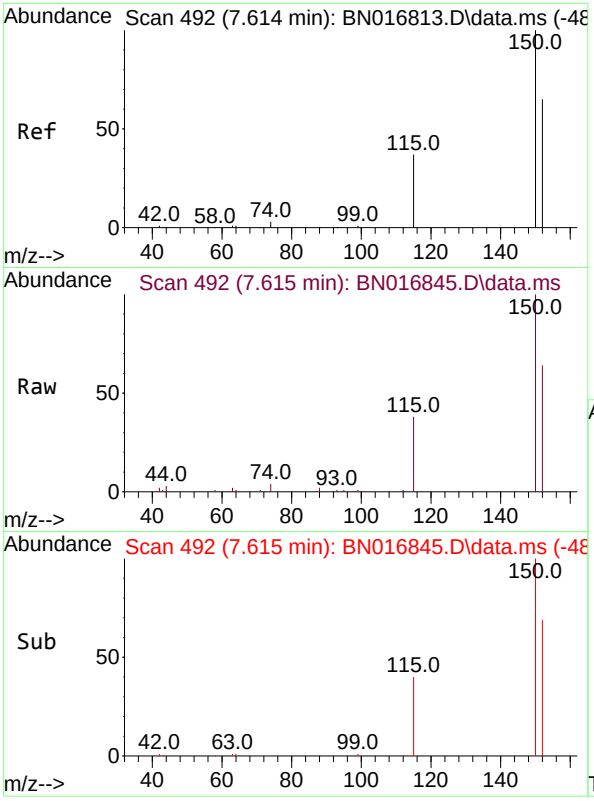
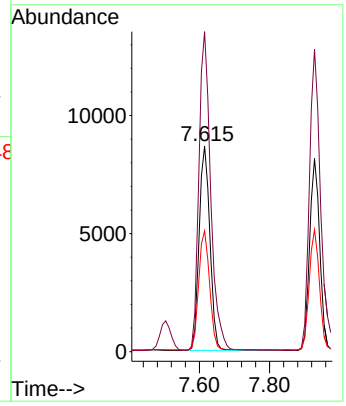
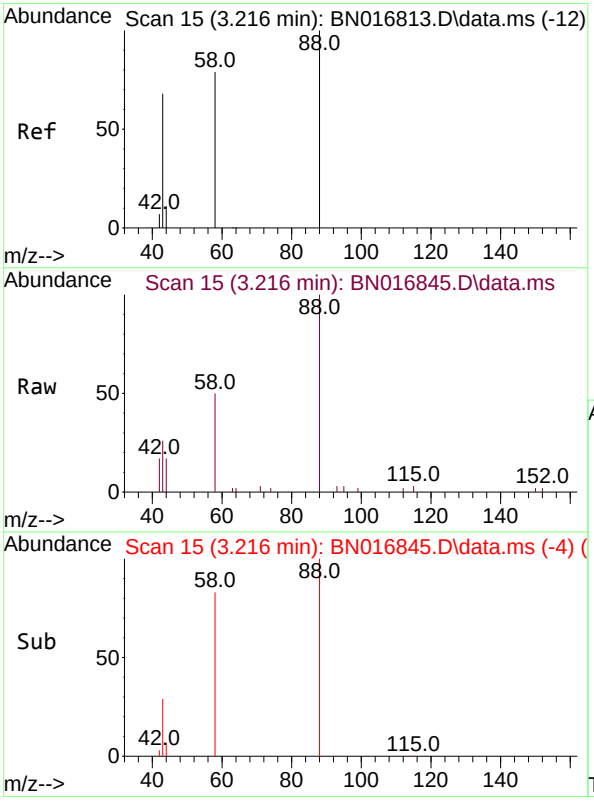


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:152 Resp: 18483

Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.3	184.9
115	58.8	47.0	70.6

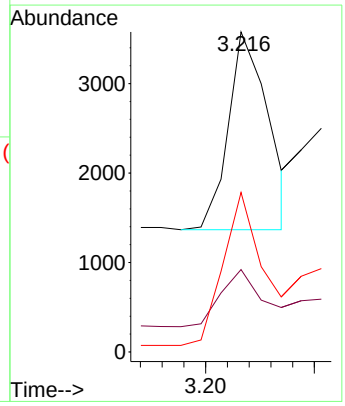




#2
1,4-Dioxane
Concen: 0.341 ng
RT: 3.216 min Scan# 15
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion: 88 Resp: 2824

Ion	Ratio	Lower	Upper
88	100		
43	30.5	61.7	92.5#
58	78.7	62.2	93.2



Instrument :
BNA_N
ClientSampleId :
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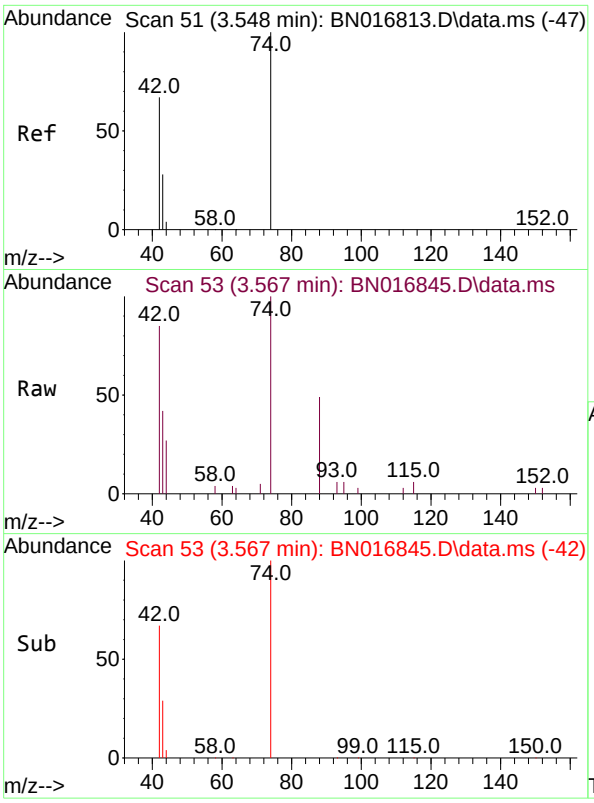
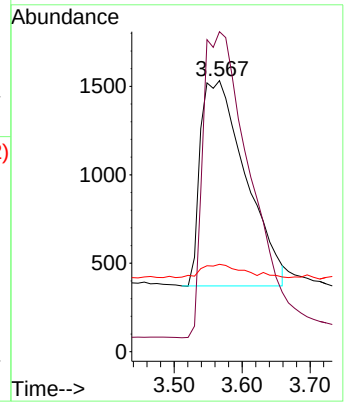
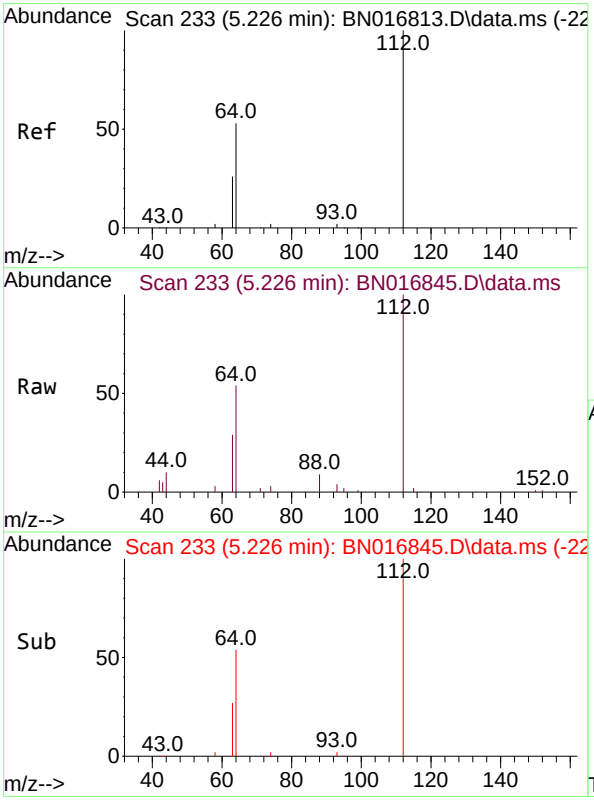


#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.567 min Scan# 53
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion: 42 Resp: 5385

Ion	Ratio	Lower	Upper
42	100		
74	152.7	124.0	186.0
44	5.5	5.6	8.4#

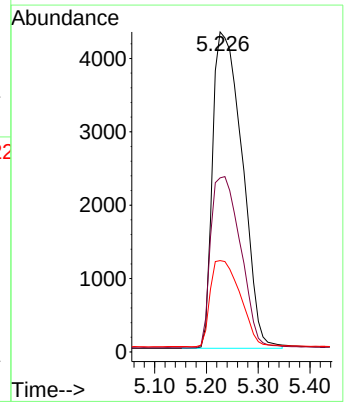




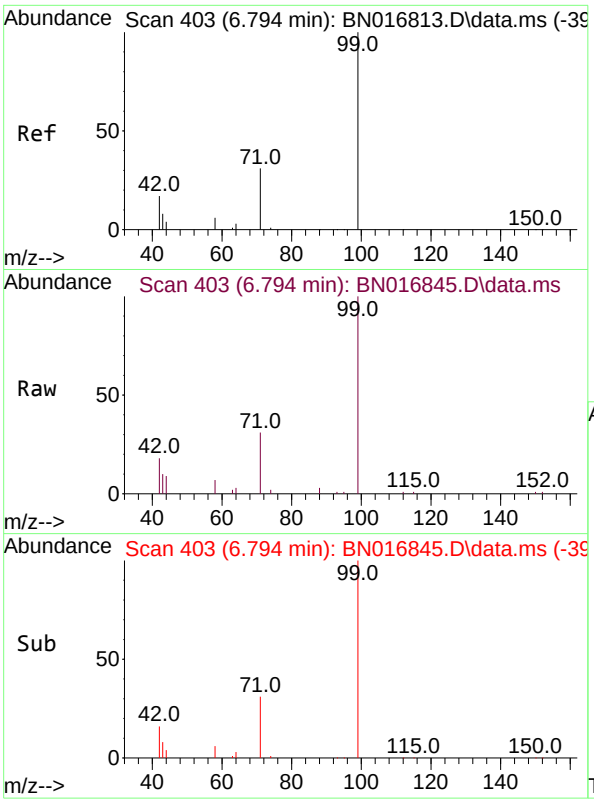
#4
2-Fluorophenol
Concen: 0.369 ng
RT: 5.226 min Scan# 233
Delta R.T. -0.009 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:112 Resp: 17060

Ion	Ratio	Lower	Upper
112	100		
64	54.9	42.9	64.3
63	27.6	21.5	32.3



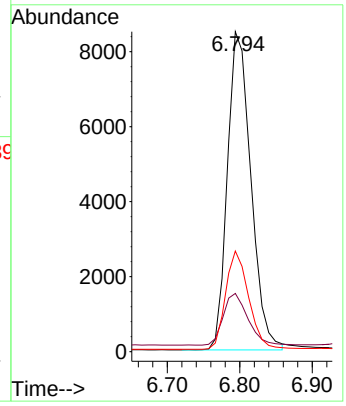
Instrument :
BNA_N
ClientSampleId :
PB139589BS

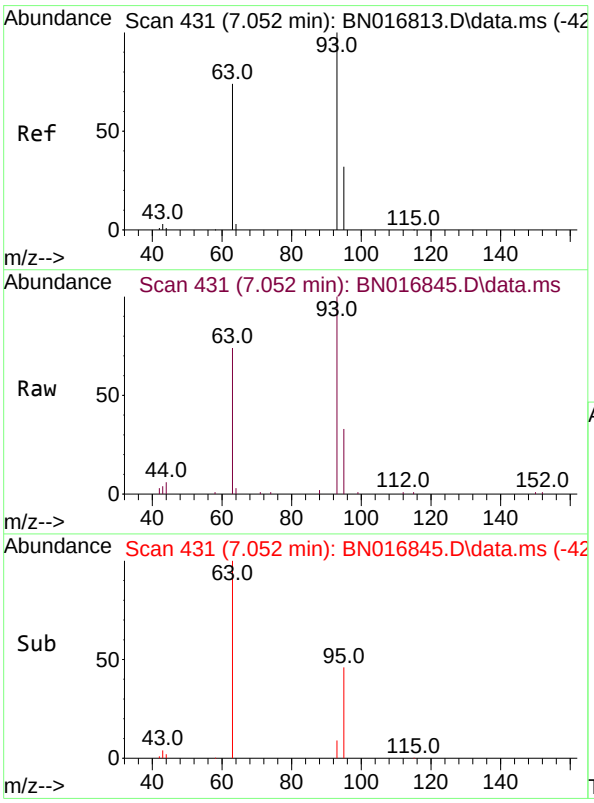


#5
Phenol-d6
Concen: 0.364 ng
RT: 6.794 min Scan# 403
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion: 99 Resp: 19115

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.4	20.2
71	30.3	24.0	36.0

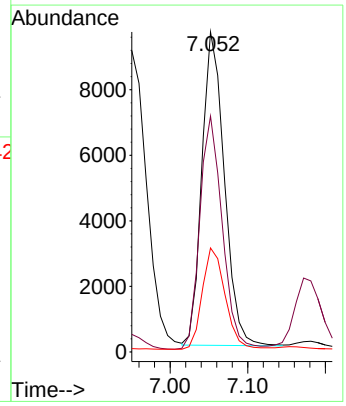




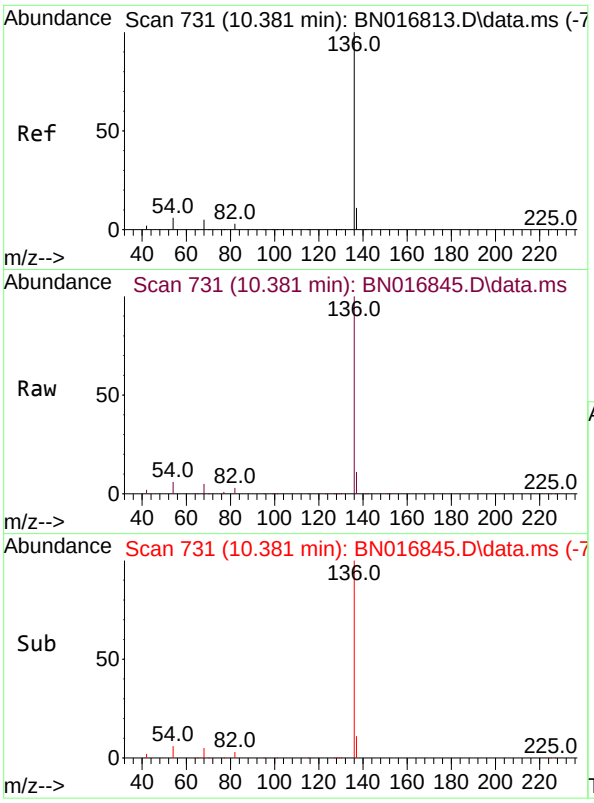
#6
bis(2-Chloroethyl)ether
Concen: 0.376 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion: 93 Resp: 19203

Ion	Ratio	Lower	Upper
93	100		
63	74.4	59.0	88.6
95	33.0	26.4	39.6



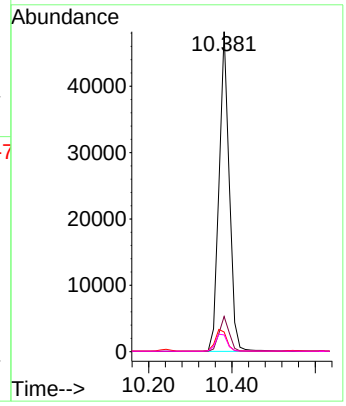
Instrument :
BNA_N
ClientSampleId :
PB139589BS

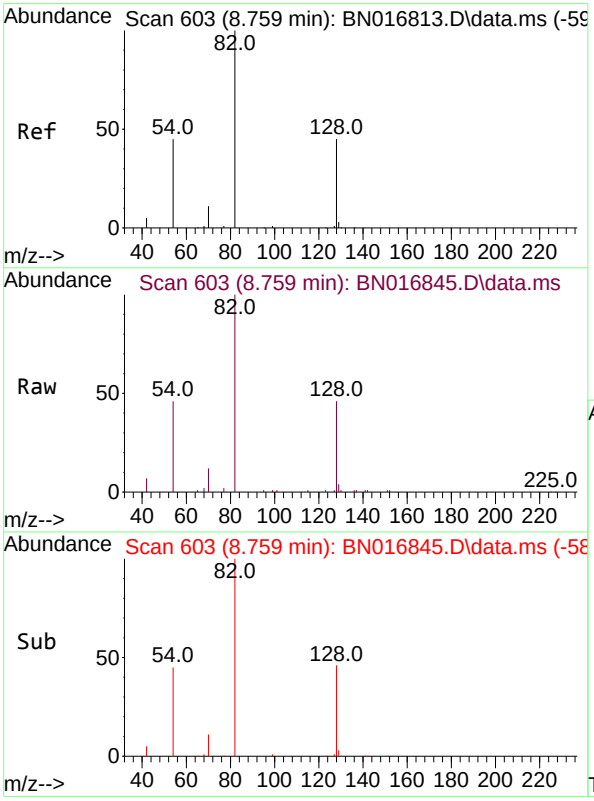


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:136 Resp: 81659

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.2	6.5	9.7#
68	5.3	5.3	7.9#

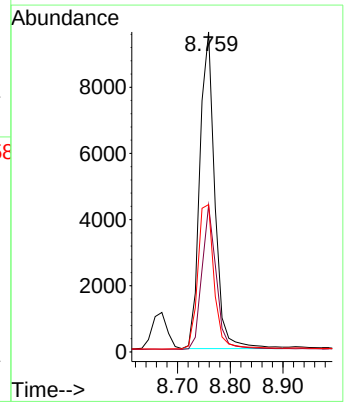


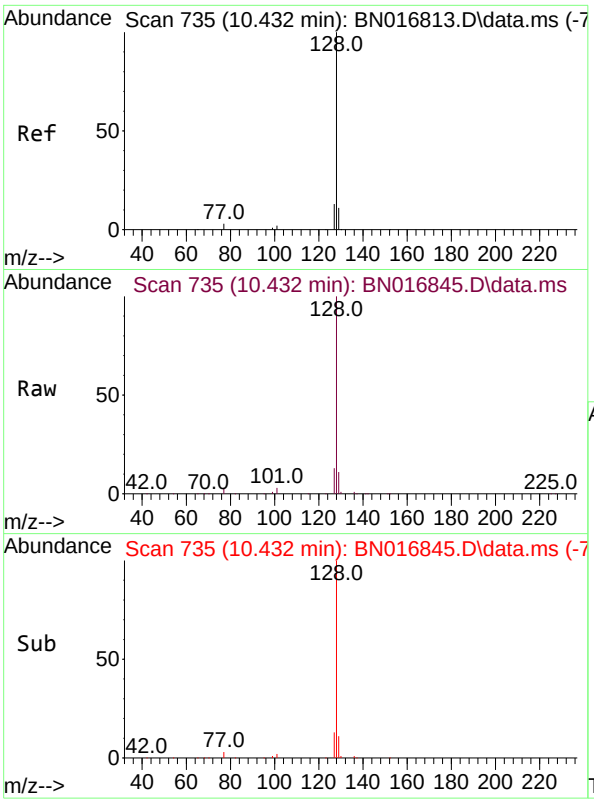


#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 8.759 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion: 82 Resp: 19092

Ion	Ratio	Lower	Upper
82	100		
128	45.9	33.8	50.6
54	46.0	38.5	57.7

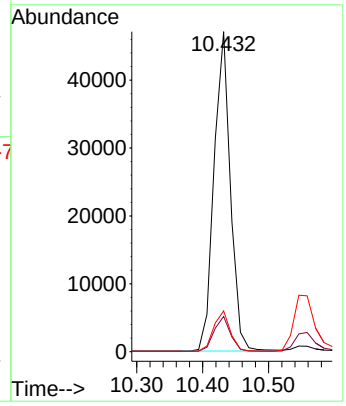




#9
Naphthalene
Concen: 0.366 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:128 Resp: 81397

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.7	10.3	15.5



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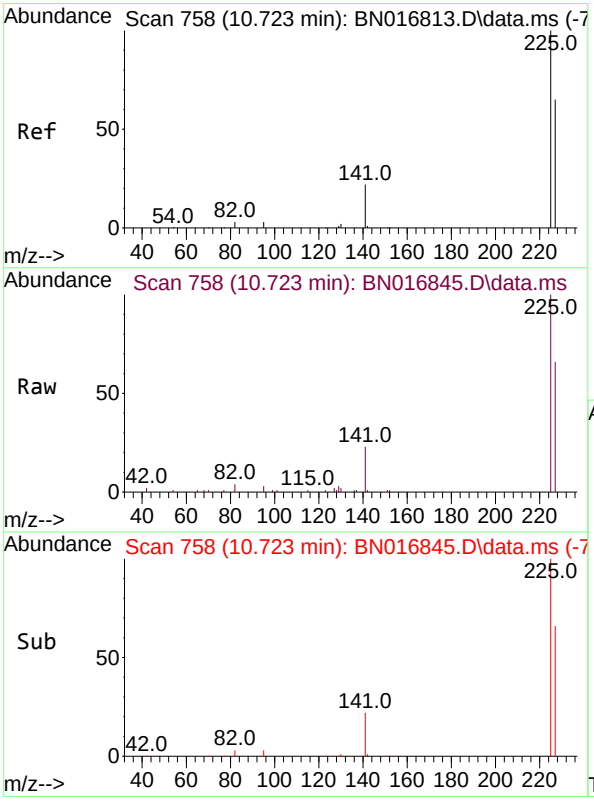
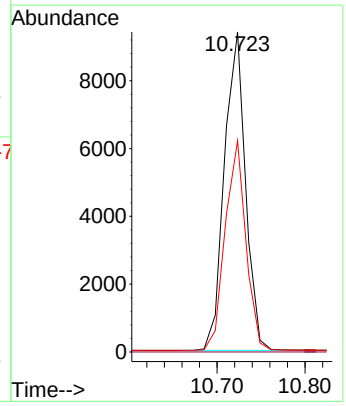
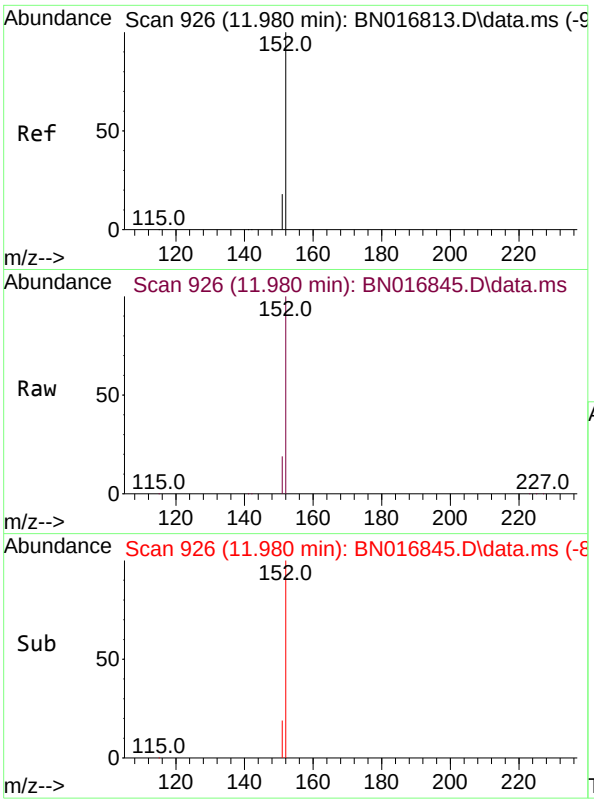


#10
Hexachlorobutadiene
Concen: 0.369 ng
RT: 10.723 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:225 Resp: 15684

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.1	76.7

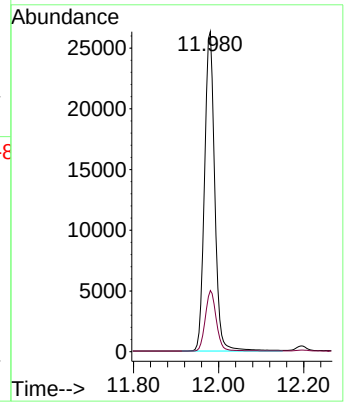




#11
2-Methylnaphthalene-d10
Concen: 0.361 ng
RT: 11.980 min Scan# 926
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:152 Resp: 43850

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4



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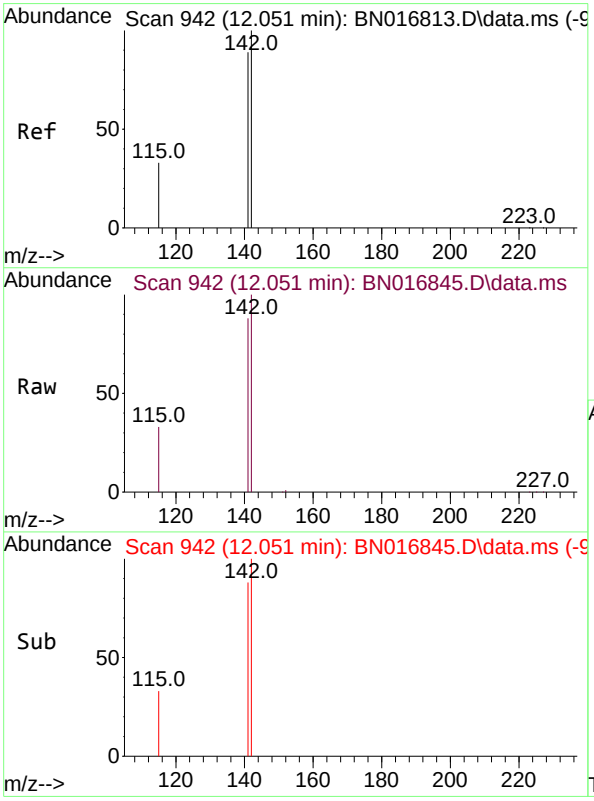
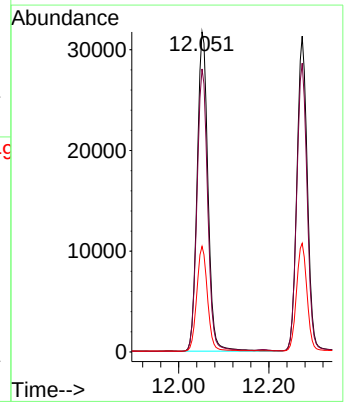


#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.051 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:142 Resp: 52836

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.6	106.0
115	33.0	26.1	39.1



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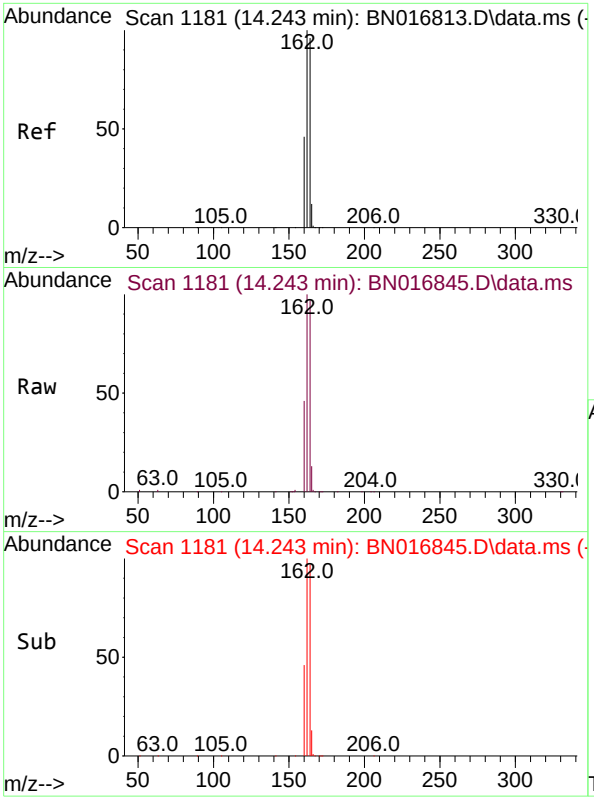
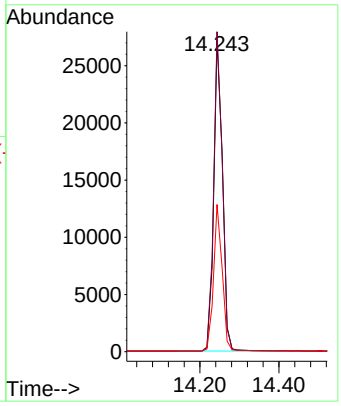
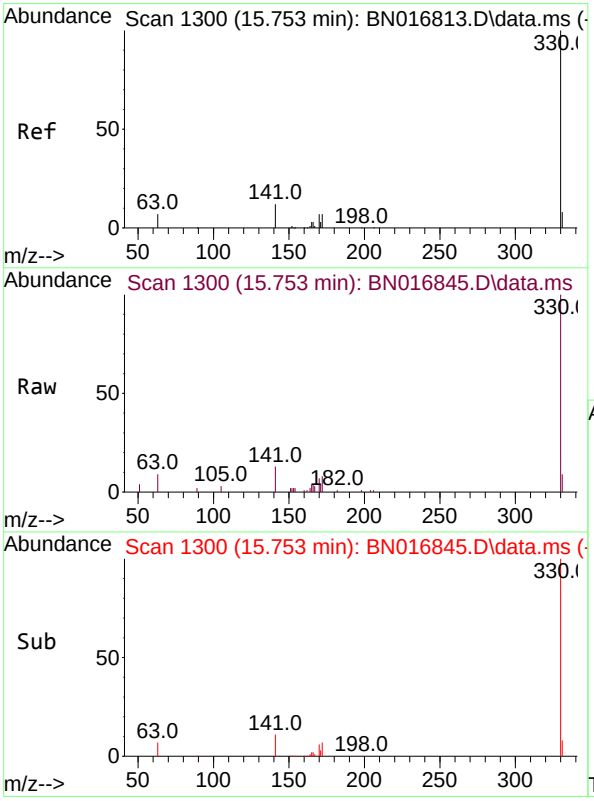


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:164 Resp: 41879

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	124.0
160	47.2	38.2	57.2

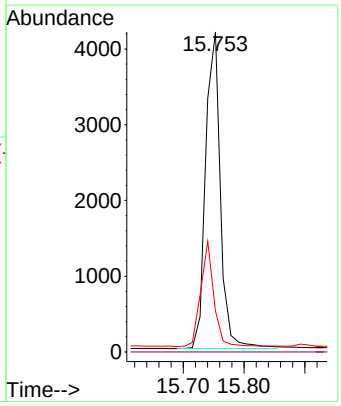


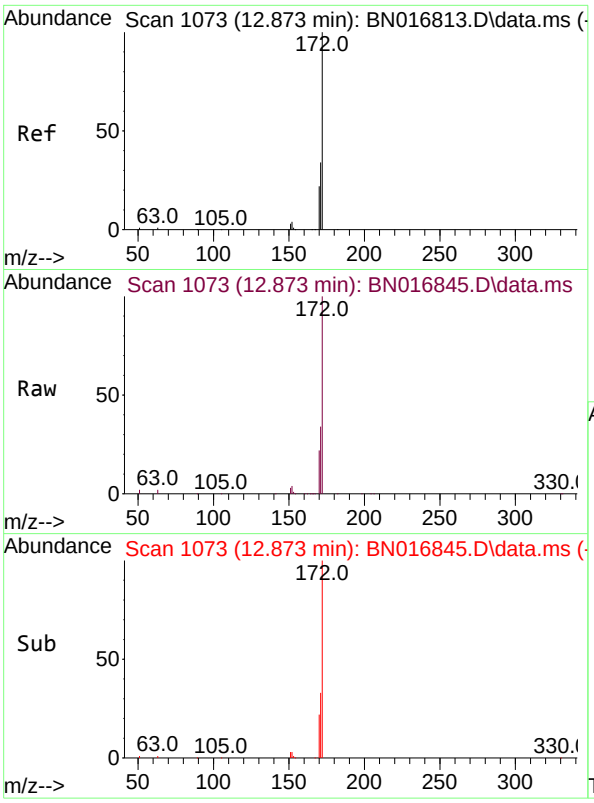


#14
2,4,6-Tribromophenol
Concen: 0.327 ng
RT: 15.753 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:330 Resp: 7082

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	24.2	36.2

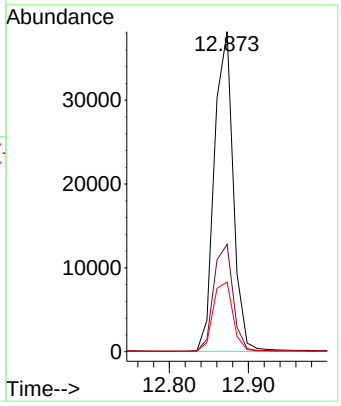




#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 12.873 min Scan# 1073
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:172 Resp: 63189

Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.9	40.3
170	21.8	17.4	26.0



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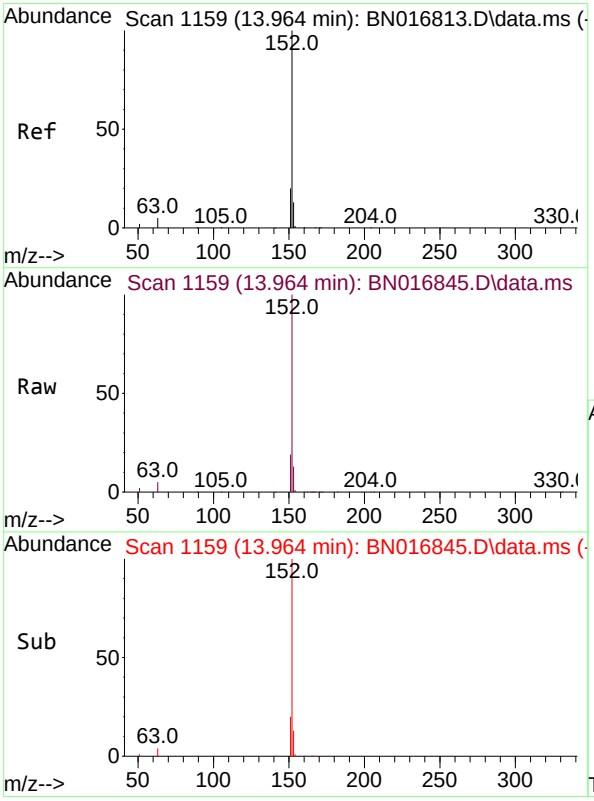
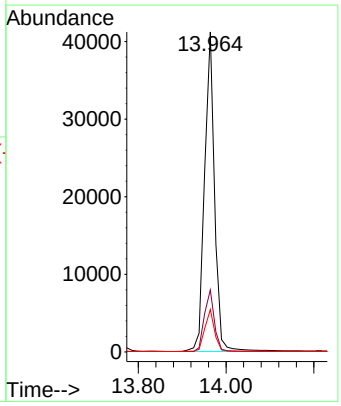


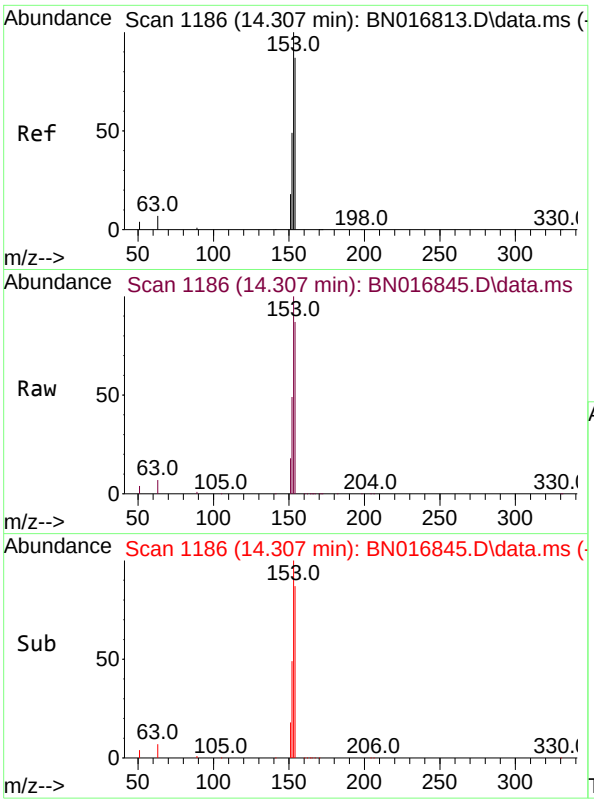
#16
Acenaphthylene
Concen: 0.351 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:152 Resp: 64852

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



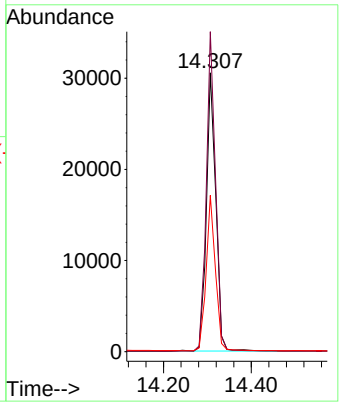
Instrument :
BNA_N
ClientSampleId :
PB139589BS

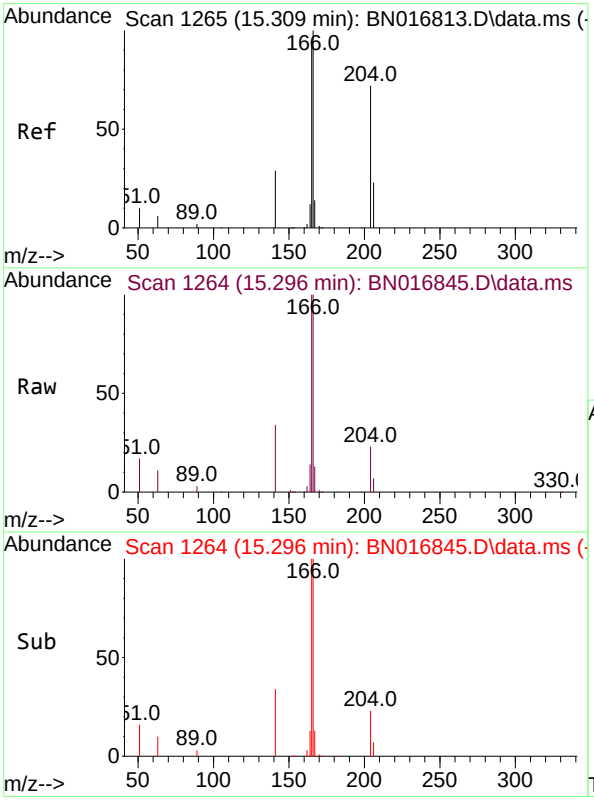


#17
Acenaphthene
Concen: 0.367 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:154 Resp: 45069

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.1	135.1
152	55.2	43.6	65.4

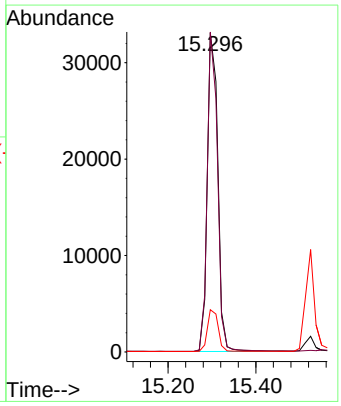




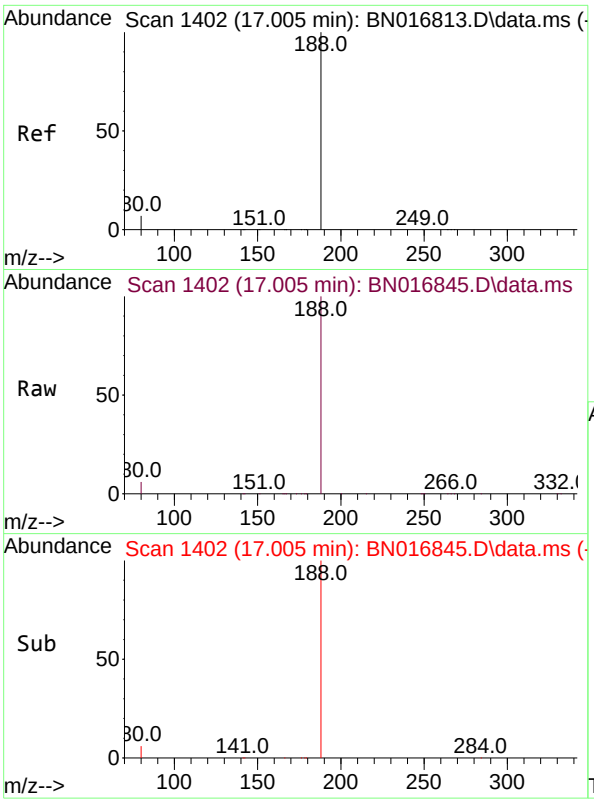
#18
Fluorene
Concen: 0.366 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:166 Resp: 54719

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.1	117.1
167	13.5	10.7	16.1



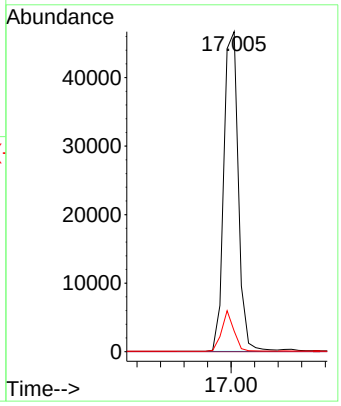
Instrument :
BNA_N
ClientSampleId :
PB139589BS

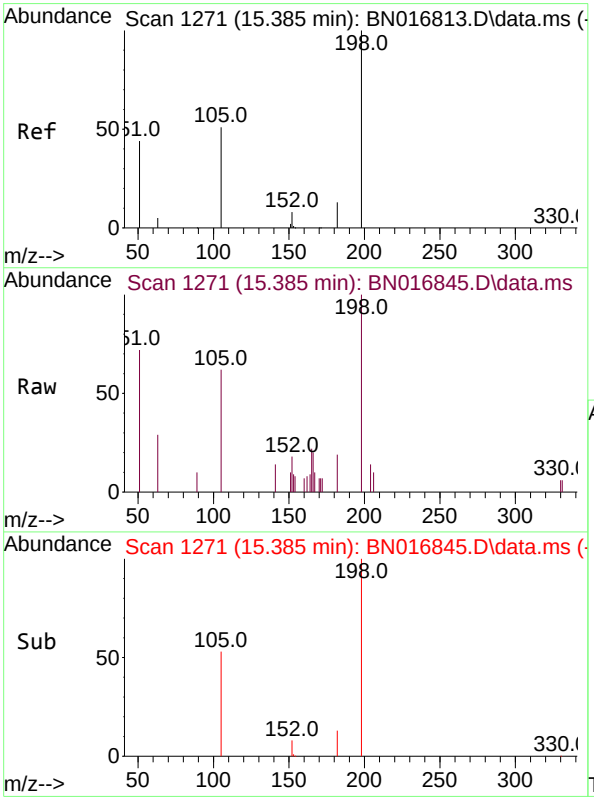


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:188 Resp: 80149

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	5.8	8.8

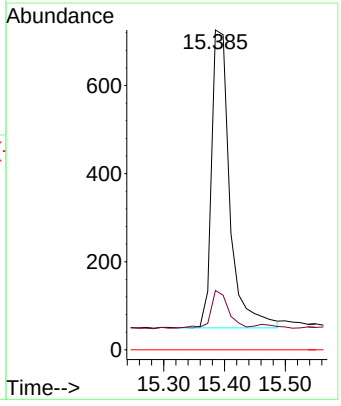




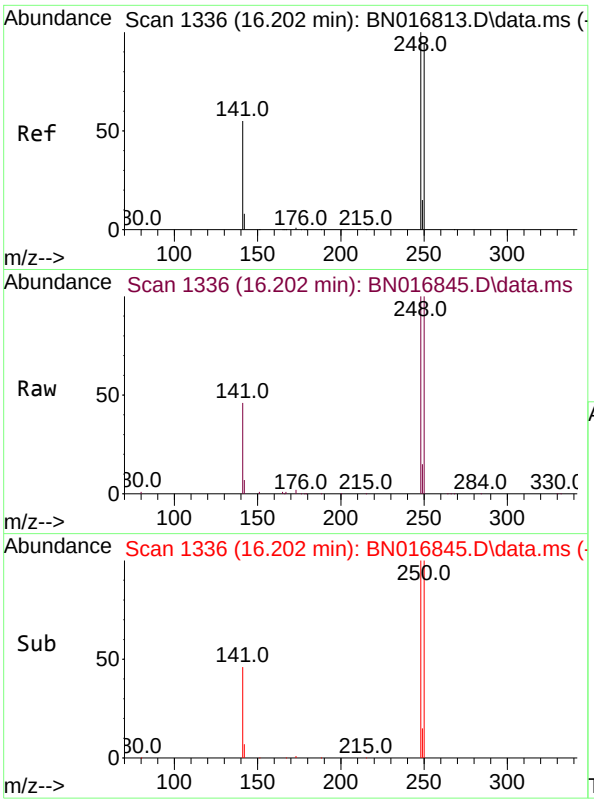
#20
4,6-Dinitro-2-methylphenol
Concen: 0.272 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:198 Resp: 1411

Ion	Ratio	Lower	Upper
198	100		
182	18.6	26.2	39.2#
77	0.0	0.0	0.0



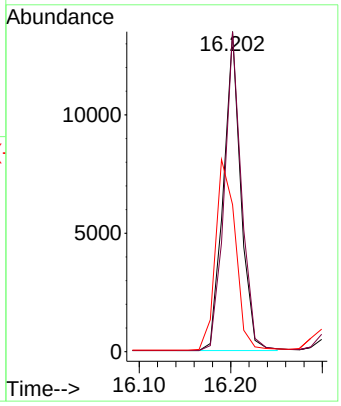
Instrument :
BNA_N
ClientSampleId :
PB139589BS

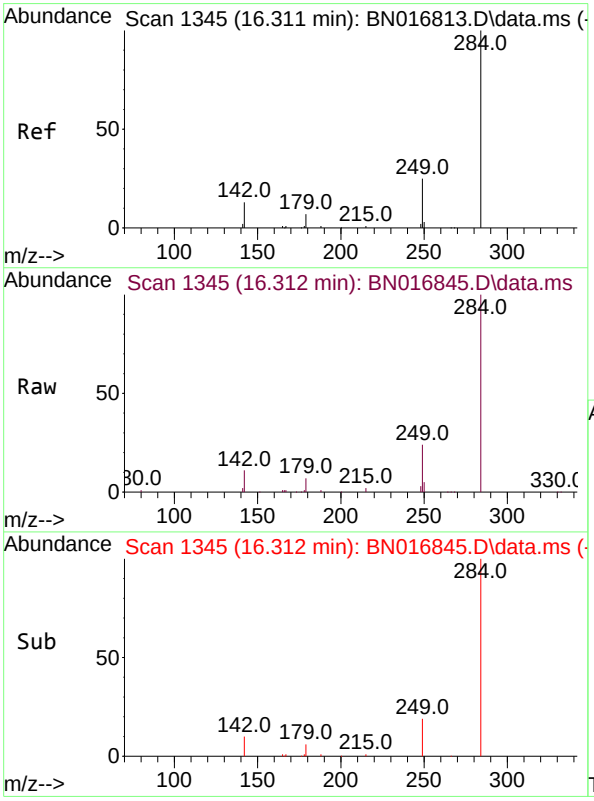


#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 16.202 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:248 Resp: 17755

Ion	Ratio	Lower	Upper
248	100		
250	99.9	76.2	114.4
141	45.9	45.6	68.4

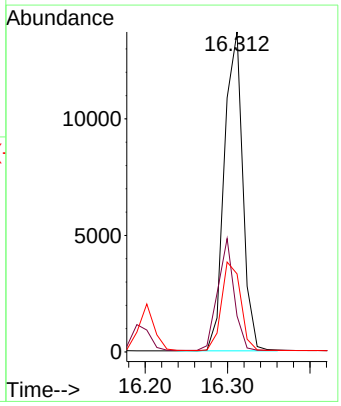




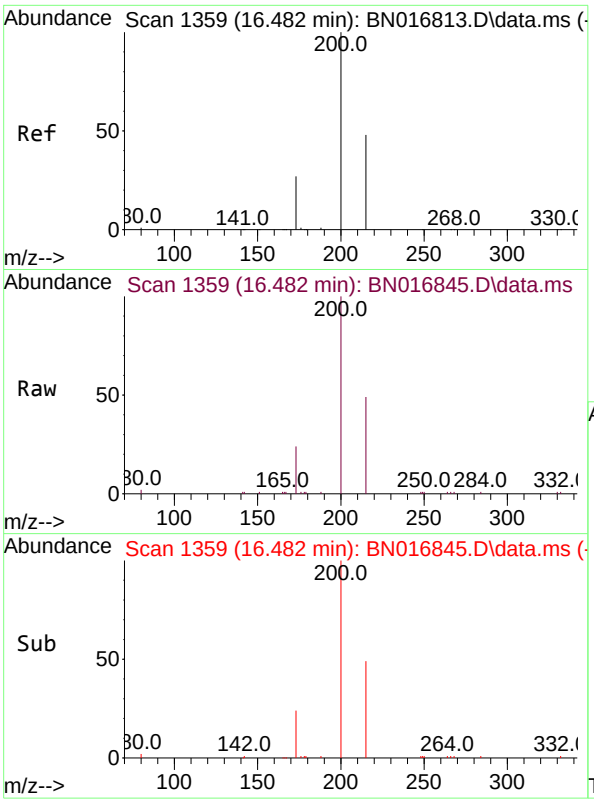
#22
Hexachlorobenzene
Concen: 0.372 ng
RT: 16.312 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:284 Resp: 21186

Ion	Ratio	Lower	Upper
284	100		
142	31.1	25.8	38.6
249	28.9	23.3	34.9



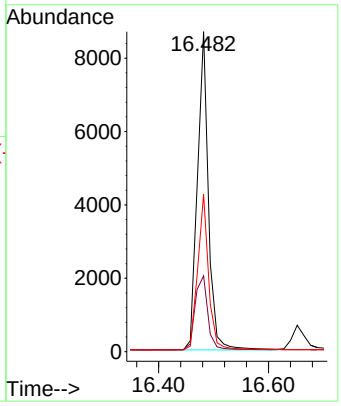
Instrument :
BNA_N
ClientSampleId :
PB139589BS

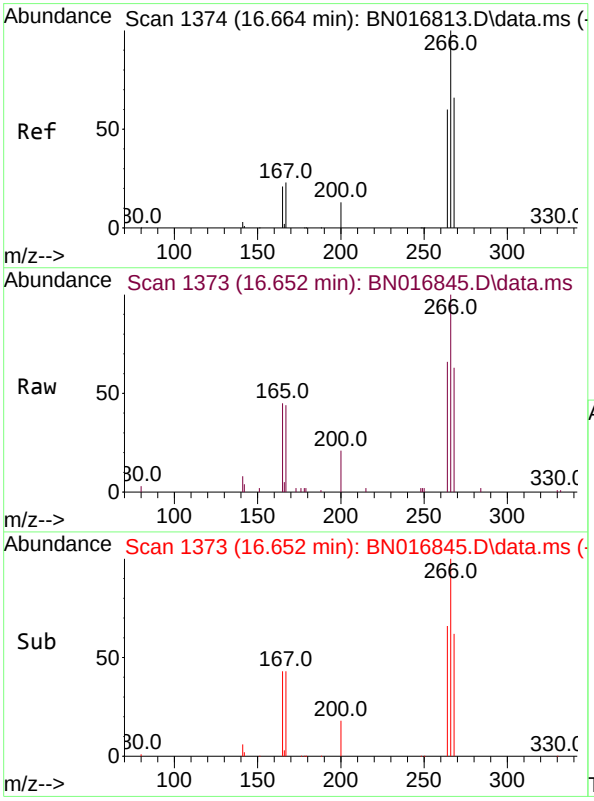


#23
Atrazine
Concen: 0.305 ng
RT: 16.482 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:200 Resp: 12093

Ion	Ratio	Lower	Upper
200	100		
173	23.7	20.1	30.1
215	49.2	38.8	58.2

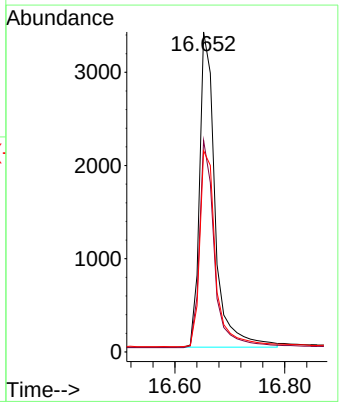




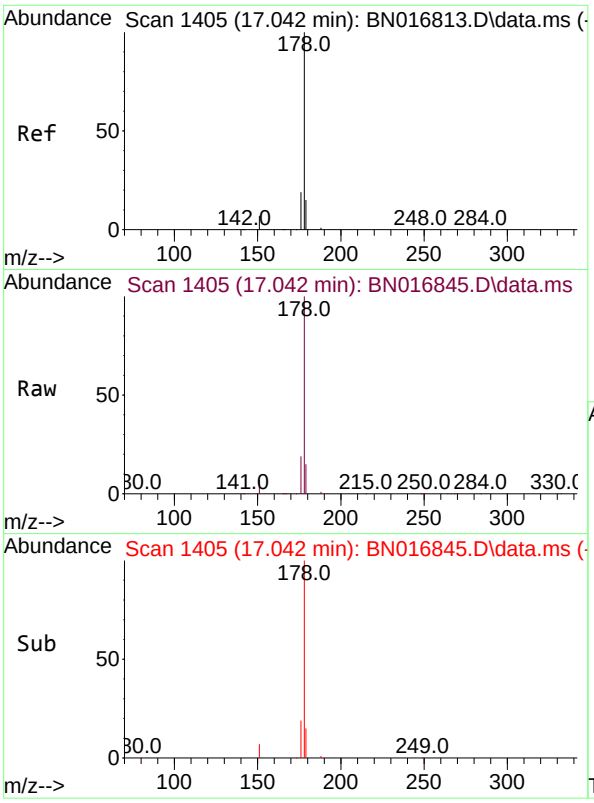
#24
Pentachlorophenol
Concen: 0.351 ng
RT: 16.652 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:266 Resp: 6684

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.3	73.9
268	63.9	51.8	77.8



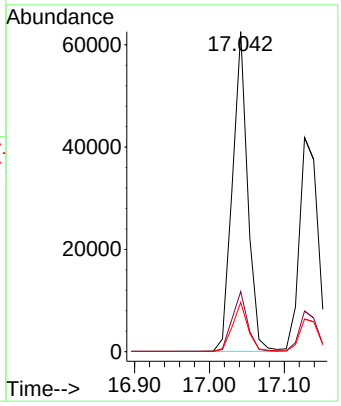
Instrument :
BNA_N
ClientSampleId :
PB139589BS

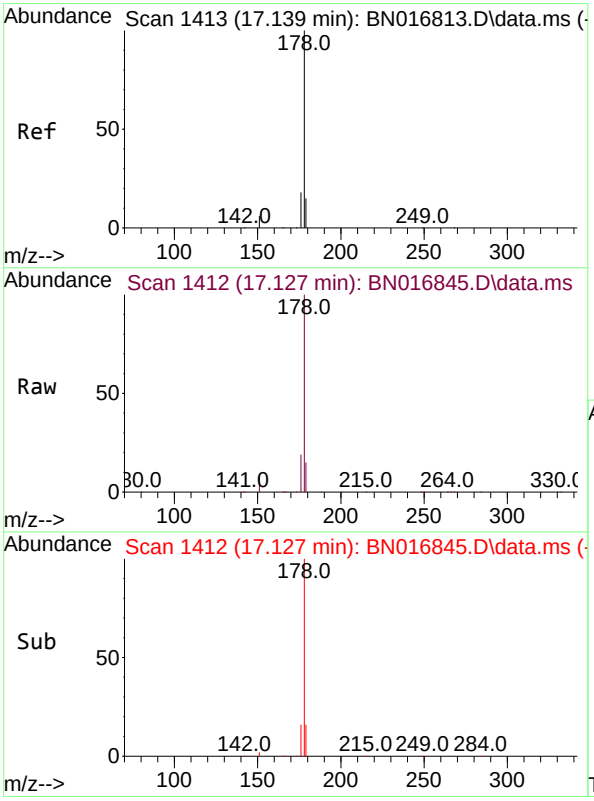


#25
Phenanthrene
Concen: 0.371 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:178 Resp: 88372

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.6	12.4	18.6

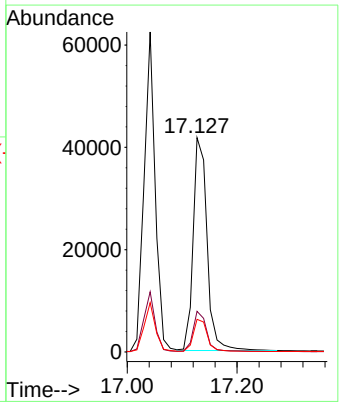




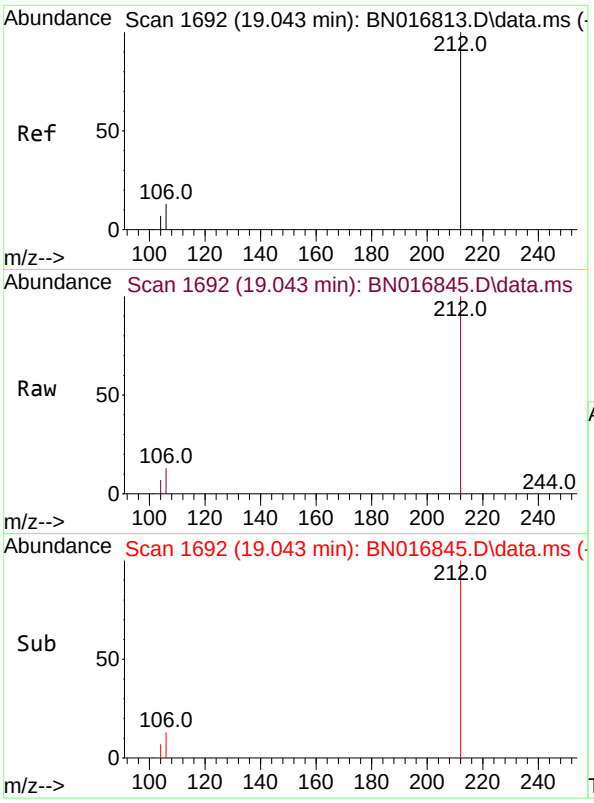
#26
Anthracene
Concen: 0.347 ng
RT: 17.127 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:178 Resp: 73332

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.3	12.2	18.4



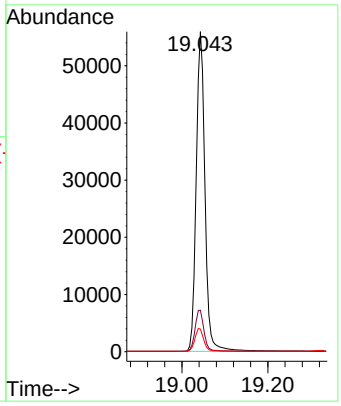
Instrument :
BNA_N
ClientSampleId :
PB139589BS

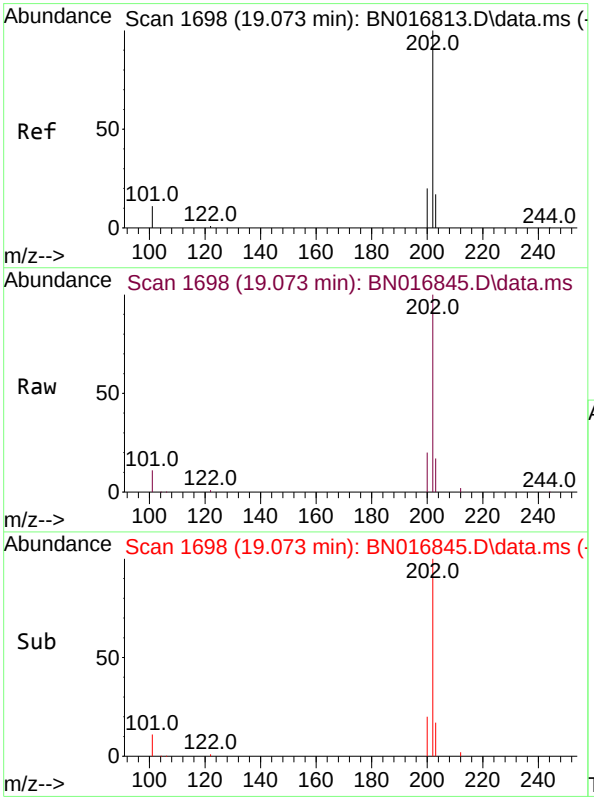


#27
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:212 Resp: 79177

Ion	Ratio	Lower	Upper
212	100		
106	13.2	10.6	16.0
104	7.2	5.8	8.8

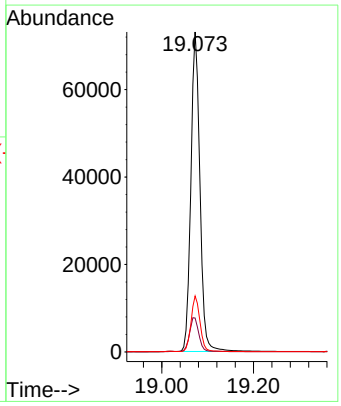




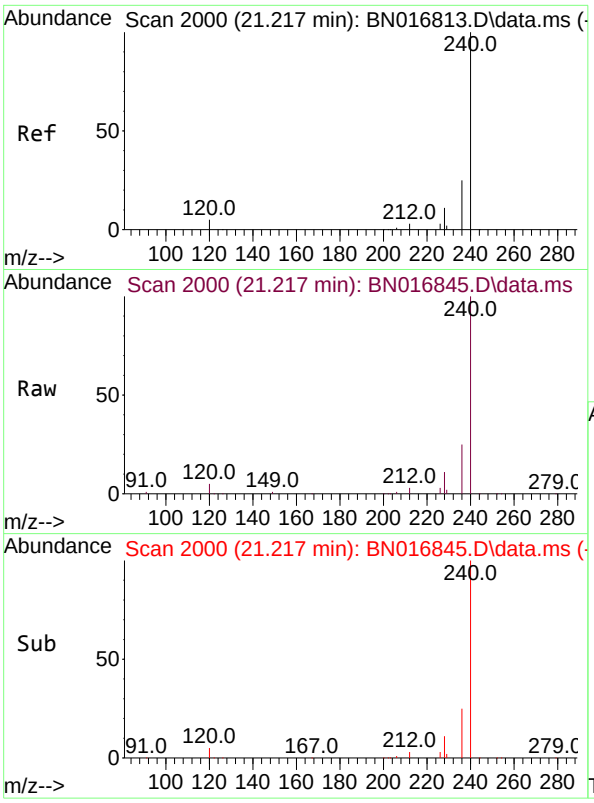
#28
Fluoranthene
Concen: 0.374 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:202 Resp: 99984

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
203	17.4	13.8	20.8



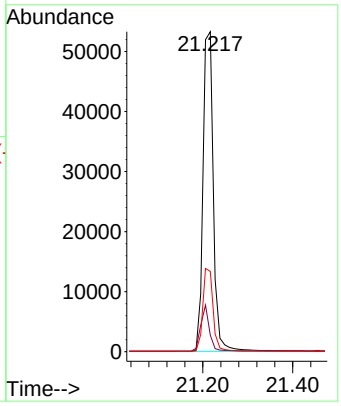
Instrument :
BNA_N
ClientSampleId :
PB139589BS

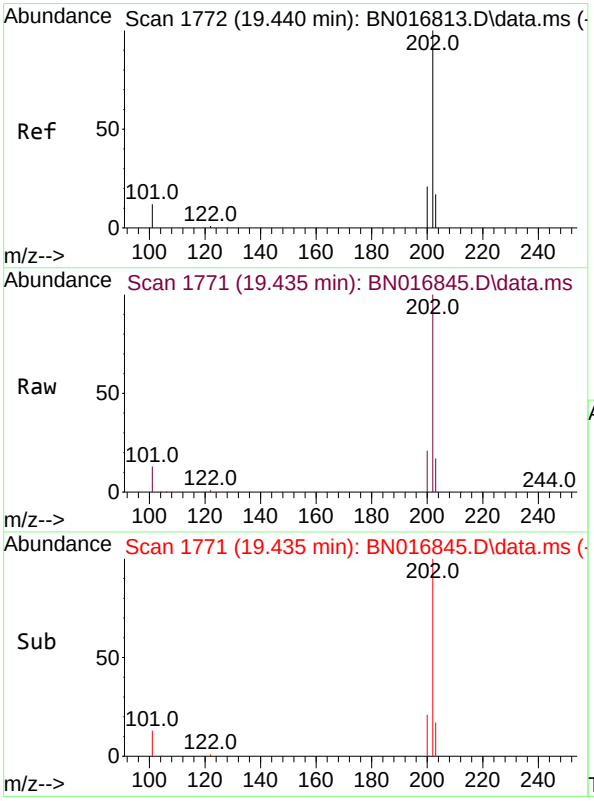


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:240 Resp: 84853

Ion	Ratio	Lower	Upper
240	100		
120	5.2	6.6	10.0#
236	25.1	20.7	31.1

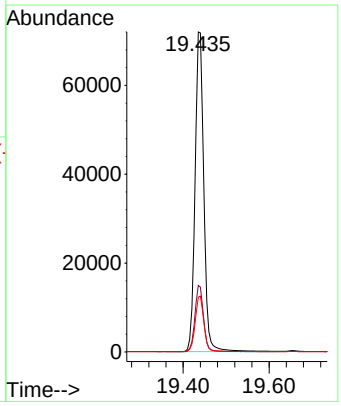




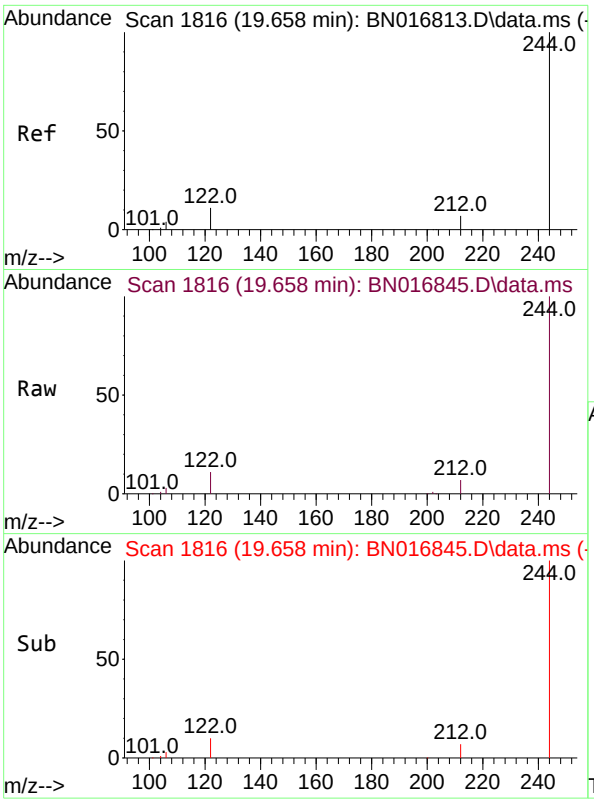
#30
Pyrene
Concen: 0.388 ng
RT: 19.435 min Scan# 1771
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:202 Resp: 101351

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	13.9	20.9



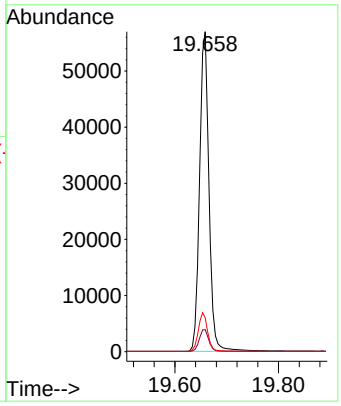
Instrument :
BNA_N
ClientSampleId :
PB139589BS

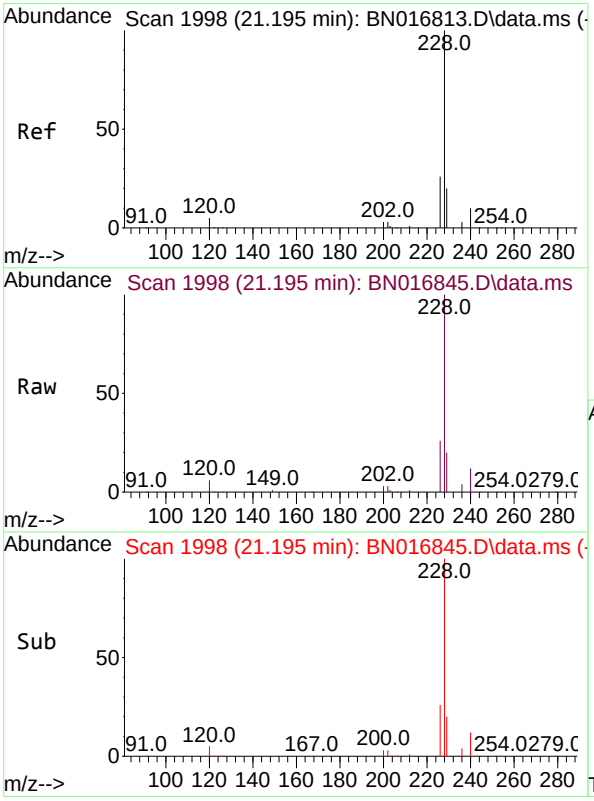


#31
Terphenyl-d14
Concen: 0.389 ng
RT: 19.658 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:244 Resp: 71927

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	10.6	8.9	13.3

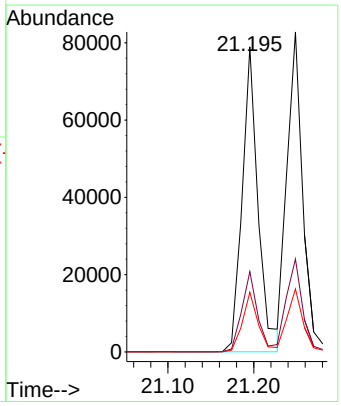




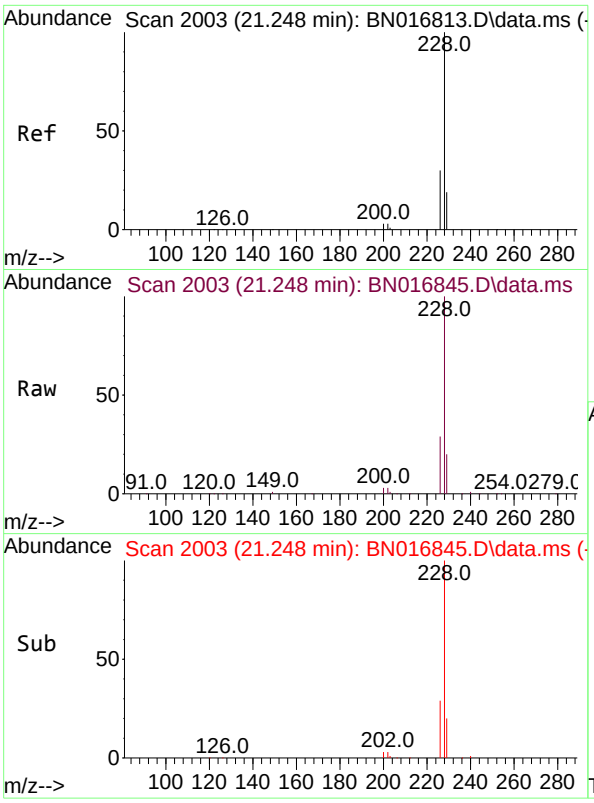
#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:228 Resp: 101369

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.3	33.5
229	19.6	15.4	23.0



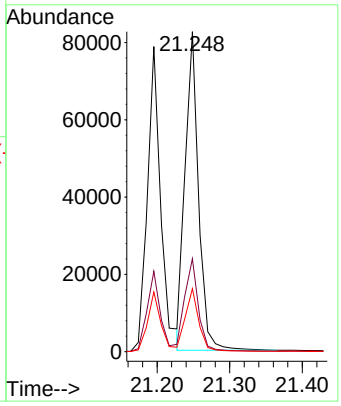
Instrument :
BNA_N
ClientSampleId :
PB139589BS

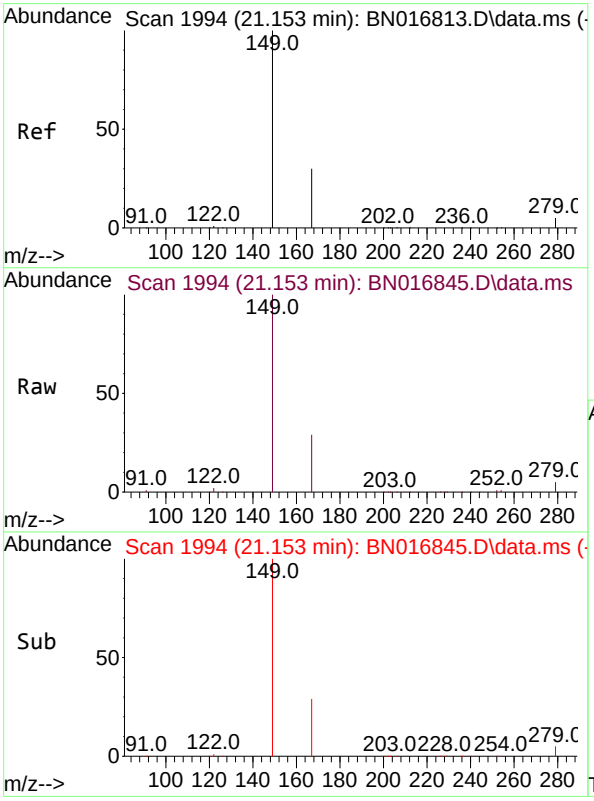


#33
Chrysene
Concen: 0.395 ng
RT: 21.248 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:228 Resp: 105586

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.4
229	19.7	15.4	23.0

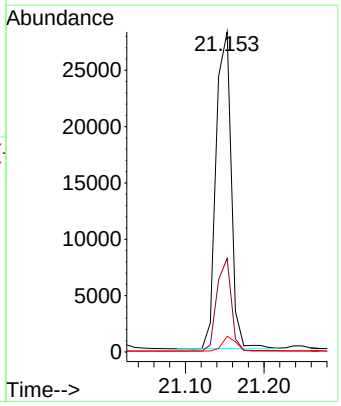




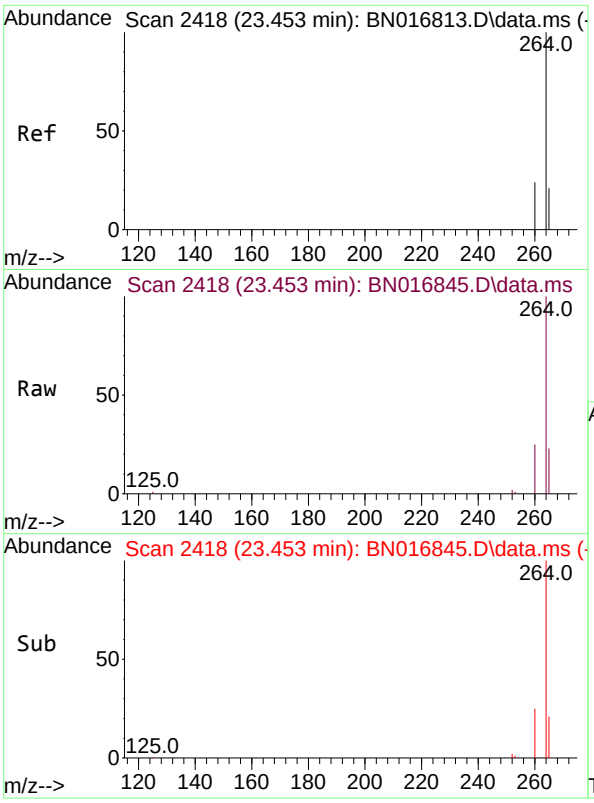
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.282 ng
RT: 21.153 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:149 Resp: 37618

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	4.2	3.4	5.2



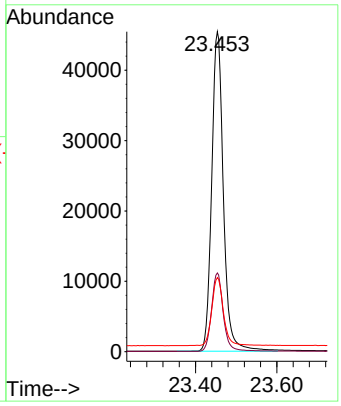
Instrument :
BNA_N
ClientSampleId :
PB139589BS

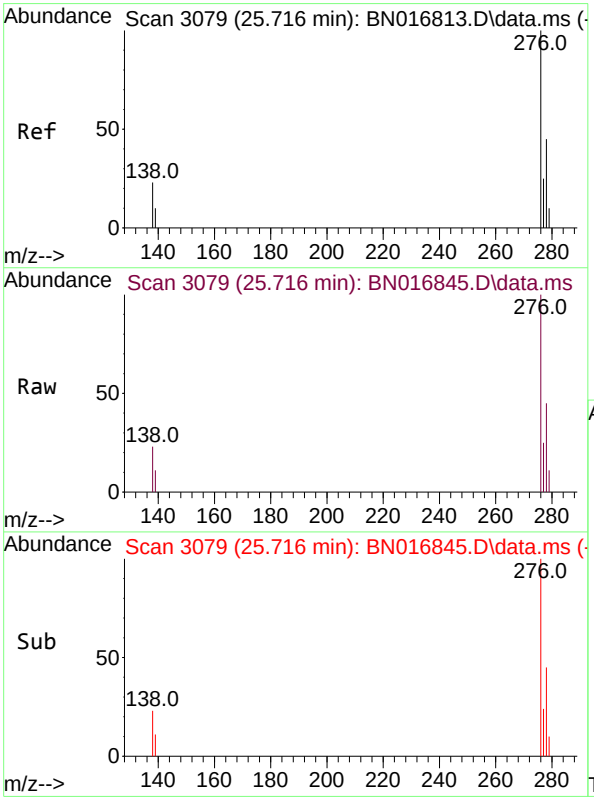


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.453 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:264 Resp: 90802

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.6
265	23.2	20.3	30.5

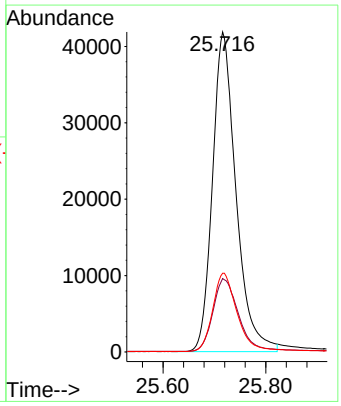


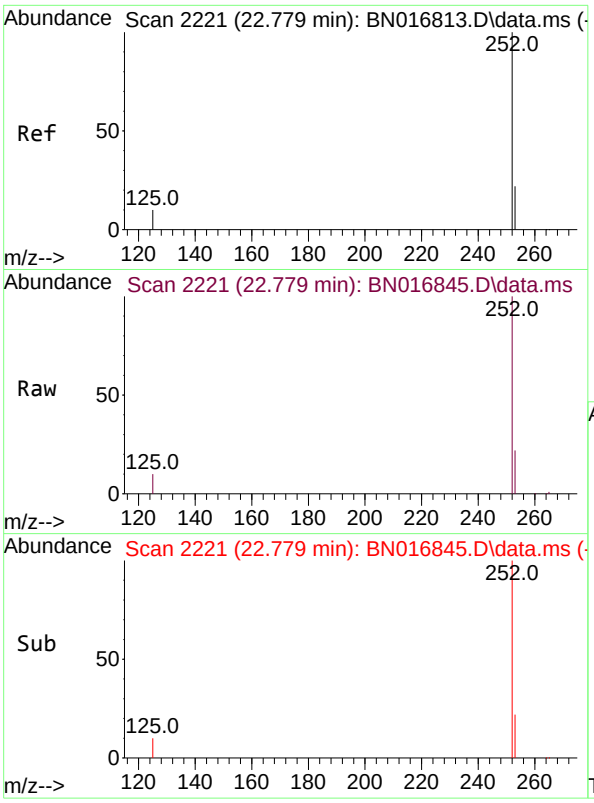


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 25.716 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:276 Resp: 132654

Ion	Ratio	Lower	Upper
276	100		
138	24.6	19.2	28.8
277	25.2	20.0	30.0

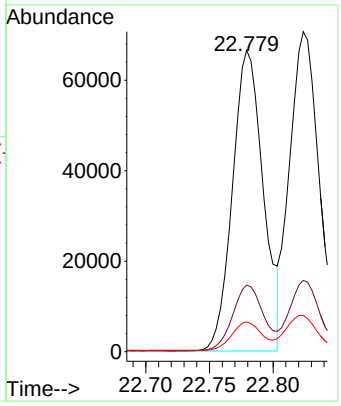




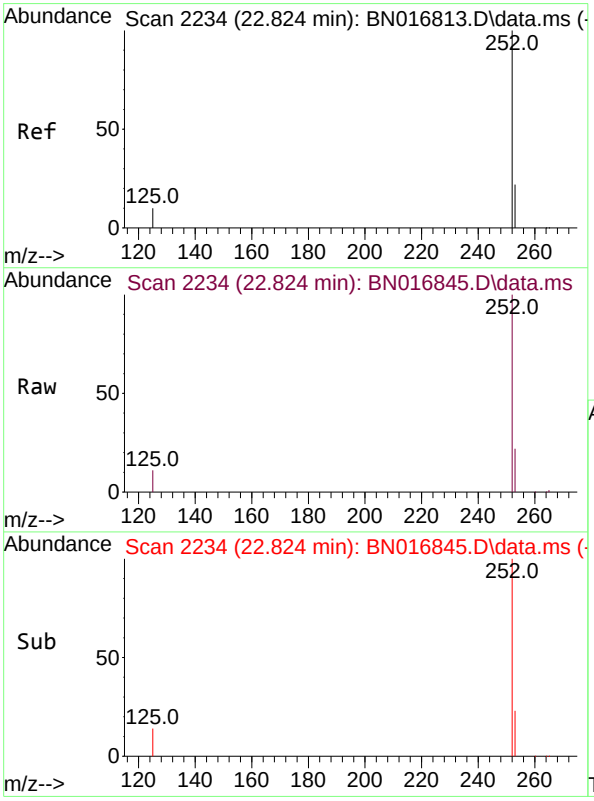
#37
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 22.779 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:252 Resp: 111650

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.9	8.3	12.5



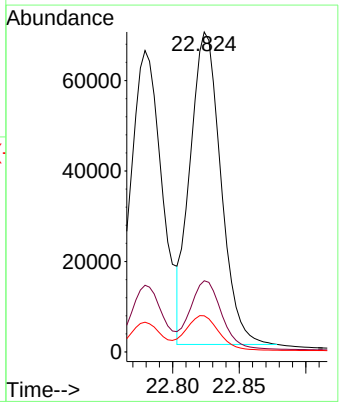
Instrument :
BNA_N
ClientSampleId :
PB139589BS



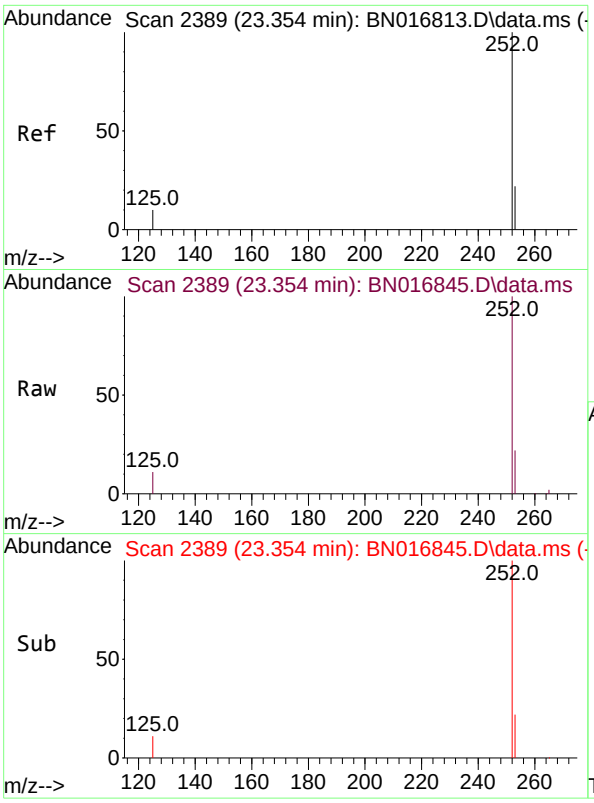
#38
Benzo(k)fluoranthene
Concen: 0.397 ng
RT: 22.824 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:252 Resp: 111018

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.3	8.5	12.7



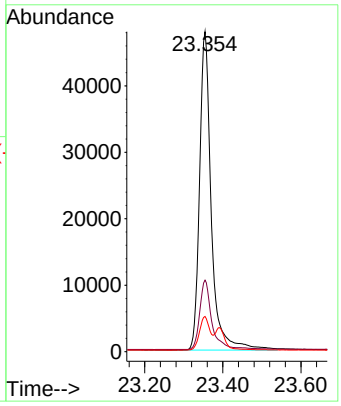
Instrument :
BNA_N
ClientSampleId :
PB139589BS

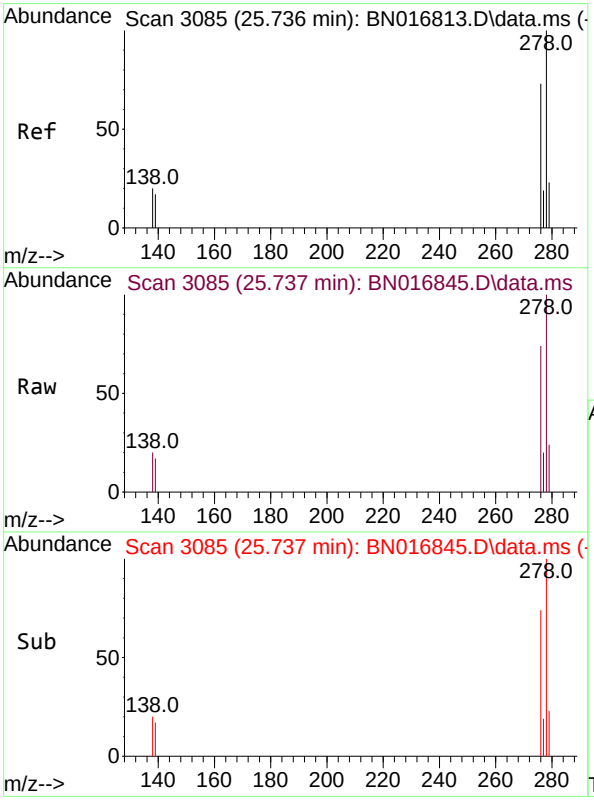


#39
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.354 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:252 Resp: 100050

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.0	9.4	14.2

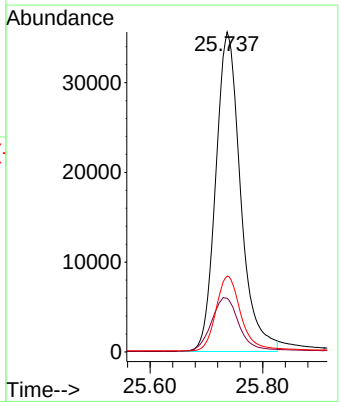


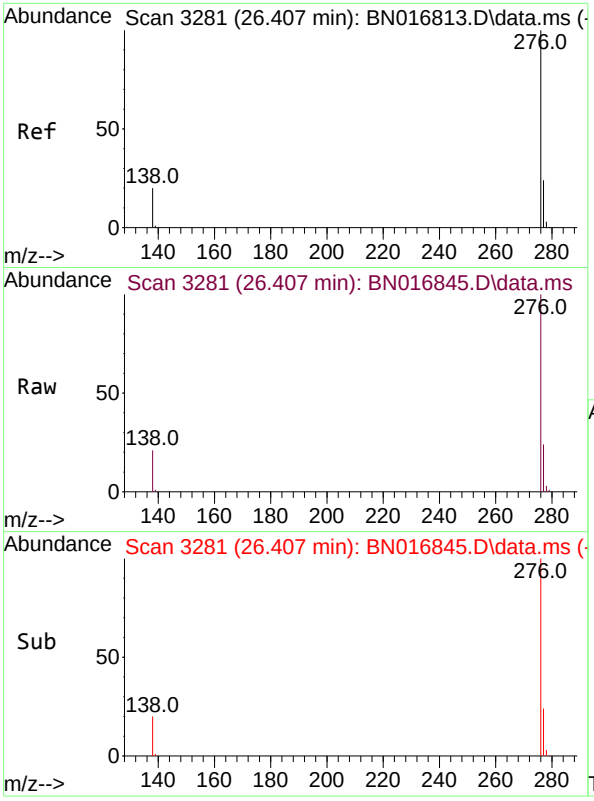


#40
Dibenzo(a,h)anthracene
Concen: 0.386 ng
RT: 25.737 min Scan# 3085
Delta R.T. -0.003 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:278 Resp: 108592

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.1	19.7
279	23.7	19.3	28.9

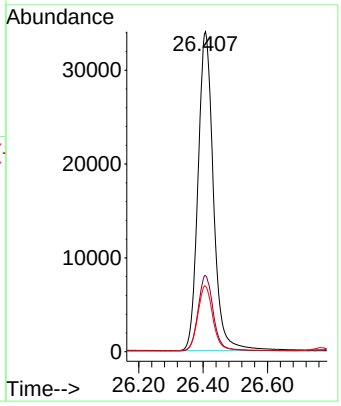




#41
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 26.407 min Scan# 3281
Delta R.T. 0.000 min
Lab File: BN016845.D
Acq: 08 Oct 2021 15:32

Tgt Ion:276 Resp: 112709

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	20.5	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
PB139589BS