Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082521\
Data File : BN016029.D
Acq On : 24 Aug 2021 12:59
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

Quant Time: Aug 24 13:29:56 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 24 11:43:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	9527	0.400	ng	0.00
7) Naphthalene-d8	10.686	136	45792	0.400	ng	0.00
13) Acenaphthene-d10	14.510	164	24913	0.400	ng	0.00
19) Phenanthrene-d10	17.249	188	46322	0.400	ng	0.00
29) Chrysene-d12	21.451	240	49285	0.400	ng	# 0.01
35) Perylene-d12	23.847	264	45485	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	76284	3.079	ng	0.00
5) Phenol-d6	7.043	99	107816	3.100	ng	0.00
8) Nitrobenzene-d5	9.038	82	118076	2.606	ng	0.00
11) 2-Methylnaphthalene-d10	12.265	152	229535	3.399	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	13.140	172	288896	2.553	ng	0.00
27) Fluoranthene-d10	19.286	212	453068	3.369	ng	0.00
31) Terphenyl-d14	19.882	244	379902	3.337	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.392	88	17298	4.275	ng	# 77
3) n-Nitrosodimethylamine	3.724	42	30893	4.636	ng	# 93
6) bis(2-Chloroethyl)ether	7.311	93	82538	2.843	ng	99
9) Naphthalene	10.724	128	376831	2.975	ng	100
10) Hexachlorobutadiene	11.015	225	85628	3.153	ng	# 100
12) 2-Methylnaphthalene	12.341	142	245966	3.095	ng	100
16) Acenaphthylene	14.231	152	343399	2.904	ng	100
17) Acenaphthene	14.573	154	223482	2.896	ng	97
18) Fluorene	15.550	166	270434	2.895	ng	99
20) 4,6-Dinitro-2-methylph...	15.626	198	18394	4.796	ng	# 73
21) 4-Bromophenyl-phenylether	16.446	248	76854	2.820	ng	99
22) Hexachlorobenzene	16.567	284	100531	2.818	ng	99
23) Atrazine	16.713	200	65546	4.671	ng	98
24) Pentachlorophenol	16.908	266	37462	4.467	ng	99
25) Phenanthrene	17.298	178	413361	2.832	ng	99
26) Anthracene	17.383	178	383130	3.085	ng	100
28) Fluoranthene	19.316	202	476906	2.877	ng	100
30) Pyrene	19.679	202	480722	3.214	ng	100
32) Benzo(a)anthracene	21.429	228	506815	3.229	ng	100
33) Chrysene	21.482	228	480202	2.920	ng	99
34) Bis(2-ethylhexyl)phtha...	21.366	149	170462	3.247	ng	99
36) Indeno(1,2,3-cd)pyrene	26.329	276	540465	2.741	ng	99
37) Benzo(b)fluoranthene	23.115	252	509606	2.951	ng	# 94
38) Benzo(k)fluoranthene	23.163	252	460901	2.821	ng	98
39) Benzo(a)pyrene	23.741	252	452176	2.938	ng	# 90
40) Dibenzo(a,h)anthracene	26.346	278	450286	2.752	ng	98
41) Benzo(g,h,i)perylene	27.092	276	465332	2.829	ng	99

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

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Misc :
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Instrument :
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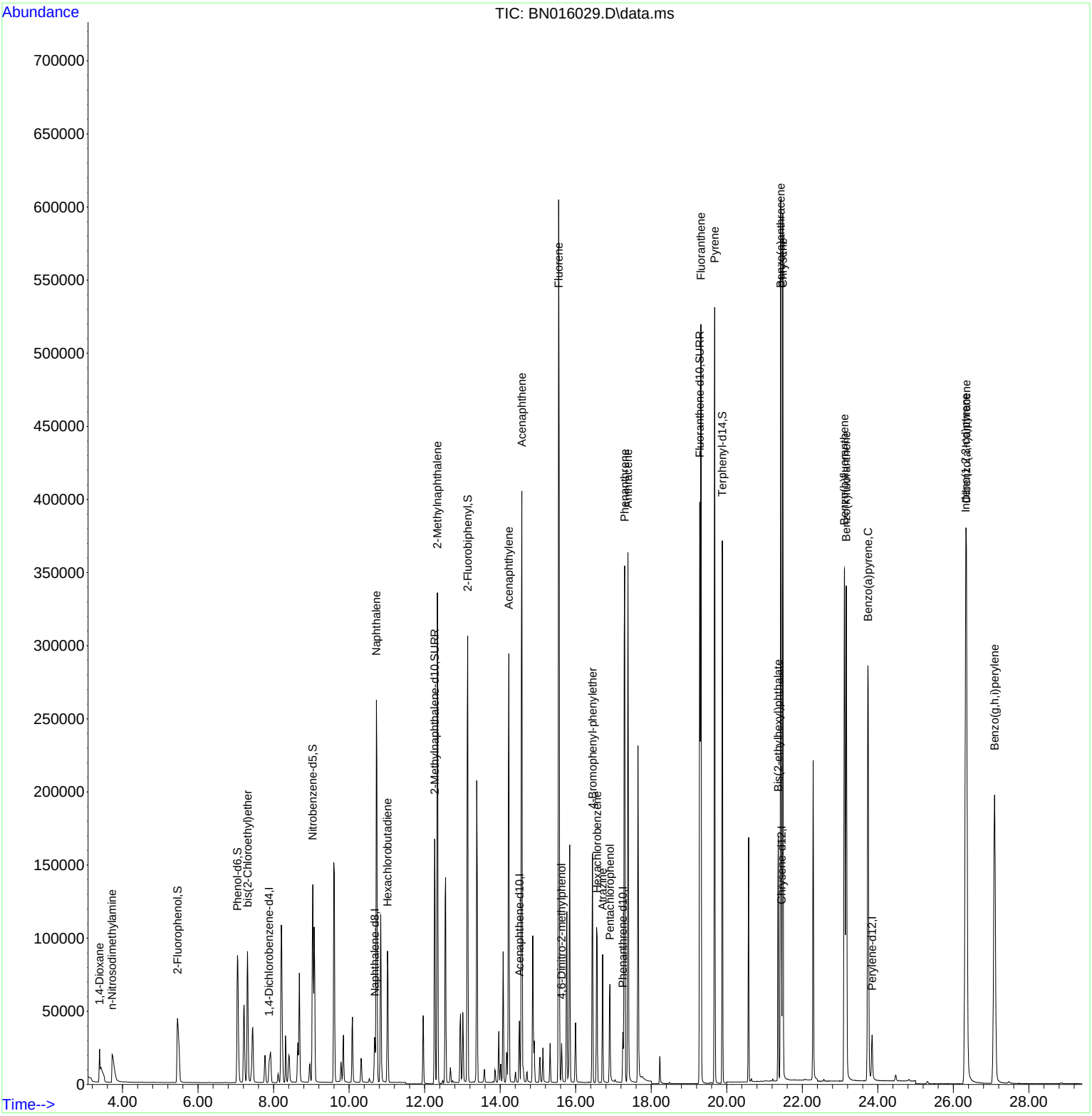

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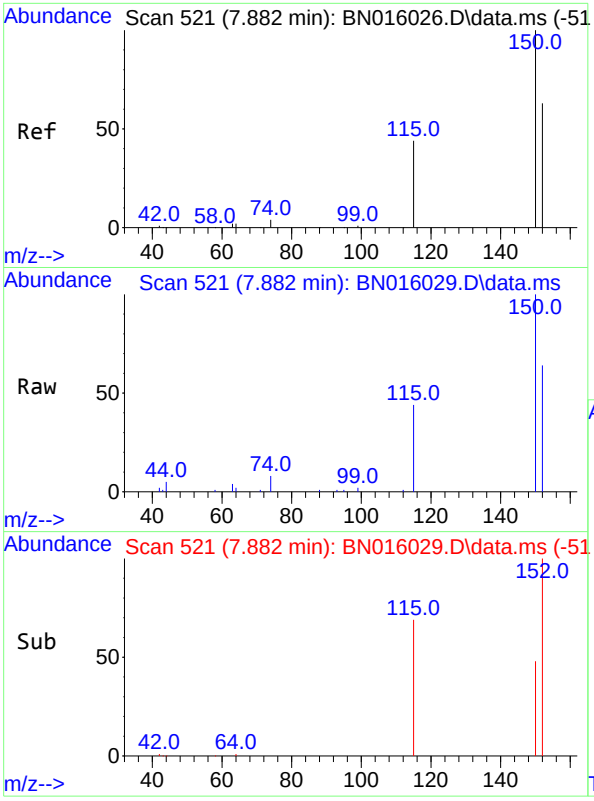
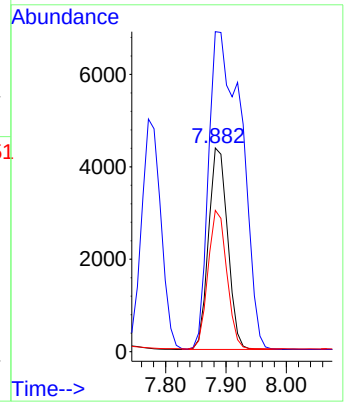
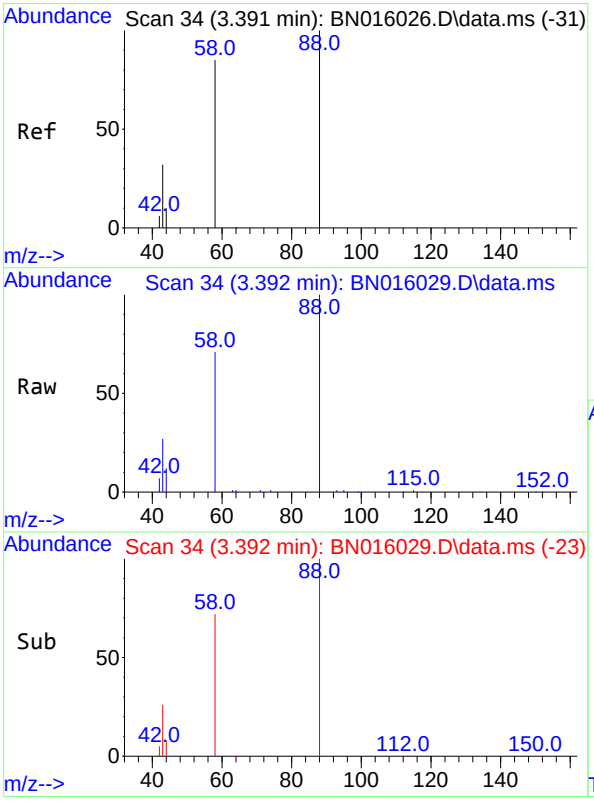


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.882 min Scan# 521
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:152 Resp: 9527

Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.5	189.7
115	69.4	56.5	84.7

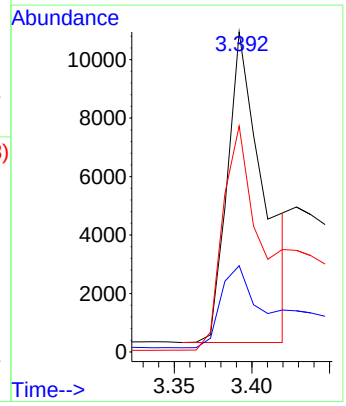




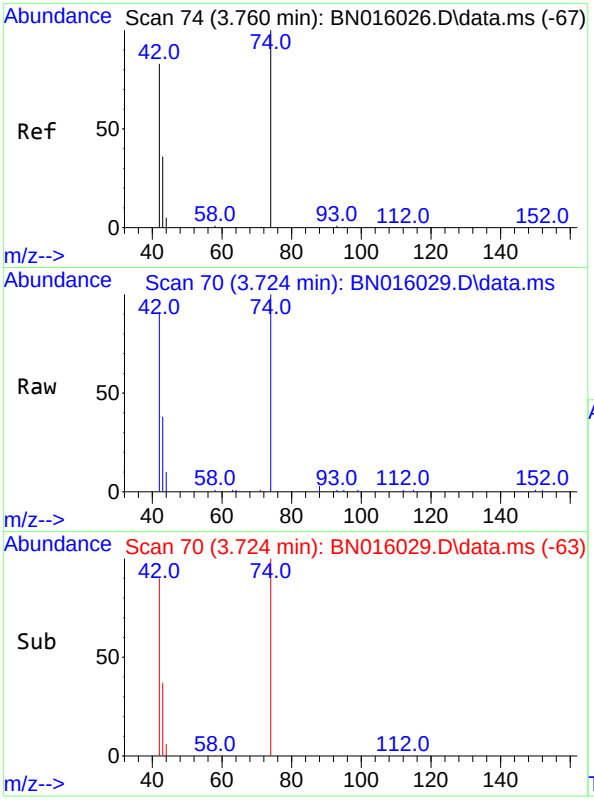
#2
1,4-Dioxane
Concen: 4.275 ng
RT: 3.392 min Scan# 34
Delta R.T. 0.001 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion: 88 Resp: 17298

Ion	Ratio	Lower	Upper
88	100		
43	34.0	21.0	31.4#
58	89.2	54.8	82.2#



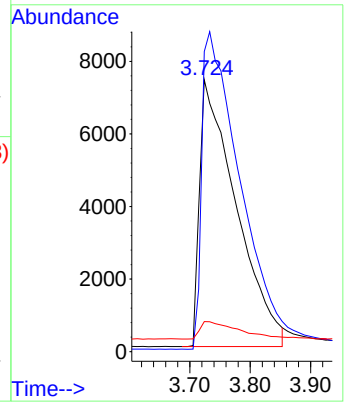
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

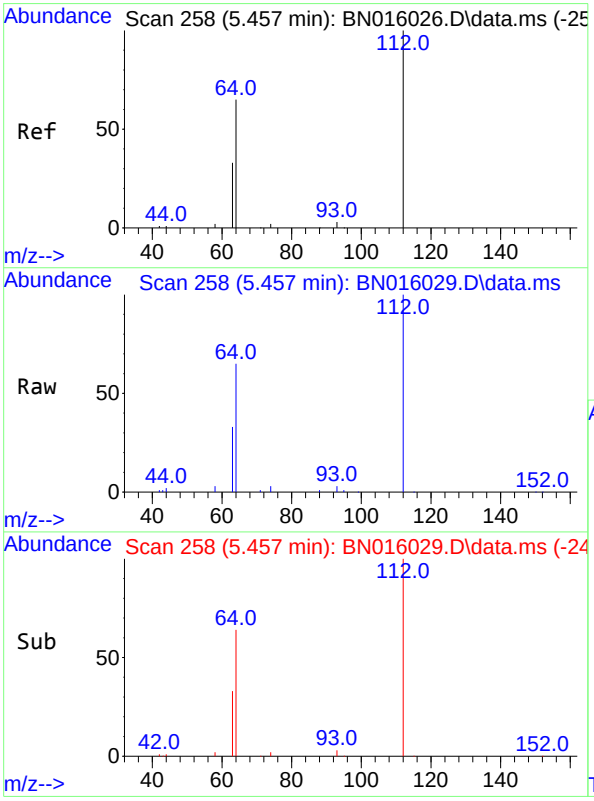


#3
n-Nitrosodimethylamine
Concen: 4.636 ng
RT: 3.724 min Scan# 70
Delta R.T. -0.036 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion: 42 Resp: 30893

Ion	Ratio	Lower	Upper
42	100		
74	124.4	93.8	140.8
44	7.0	7.7	11.5#

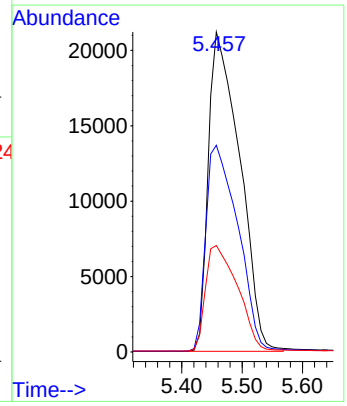




#4
2-Fluorophenol
Concen: 3.079 ng
RT: 5.457 min Scan# 258
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:112 Resp: 76284

Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.5	78.7
63	33.9	26.9	40.3



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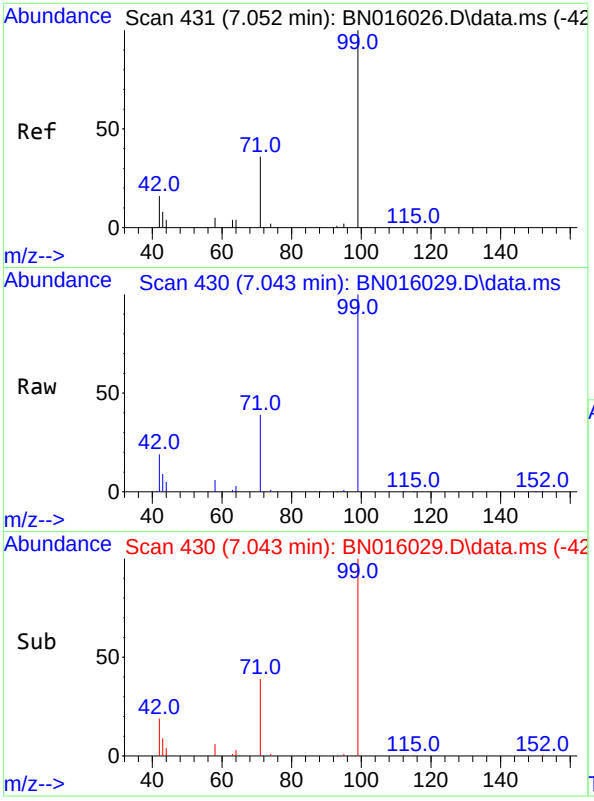
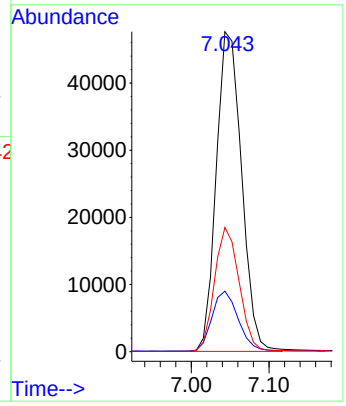
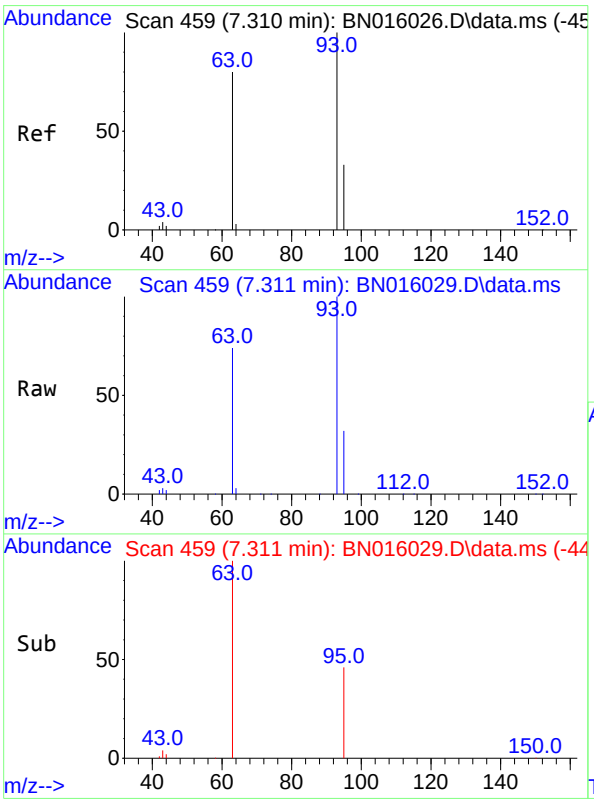


#5
Phenol-d6
Concen: 3.100 ng
RT: 7.043 min Scan# 430
Delta R.T. -0.009 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion: 99 Resp: 107816

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.6	23.4
71	37.7	29.8	44.8

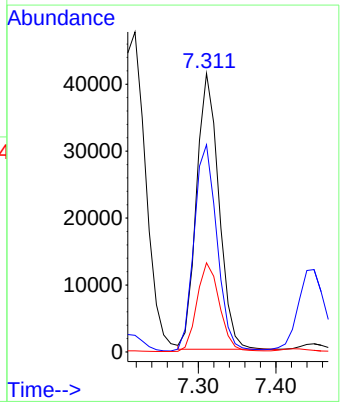


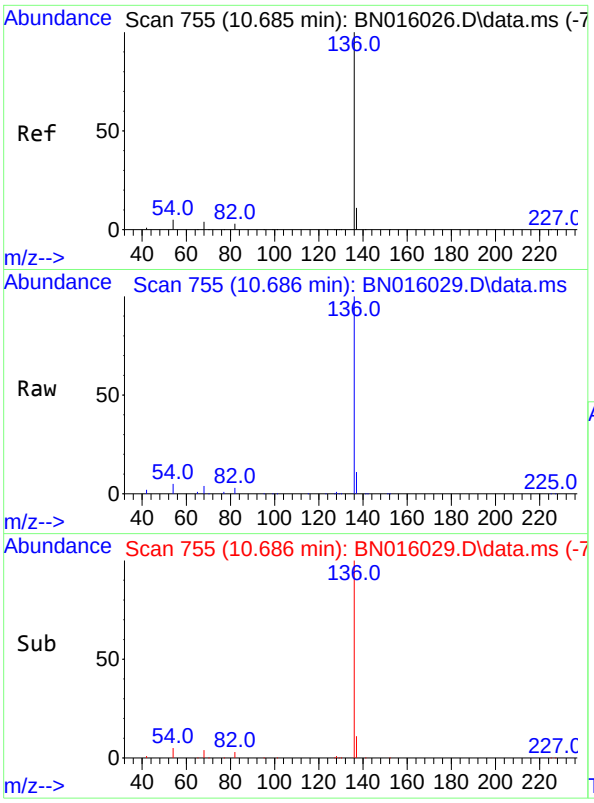


#6
bis(2-Chloroethyl)ether
Concen: 2.843 ng
RT: 7.311 min Scan# 459
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion: 93 Resp: 82538

Ion	Ratio	Lower	Upper
93	100		
63	76.6	62.0	93.0
95	32.5	26.2	39.4

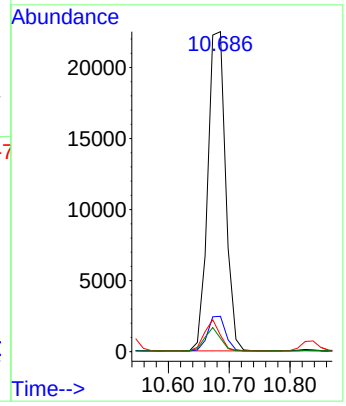


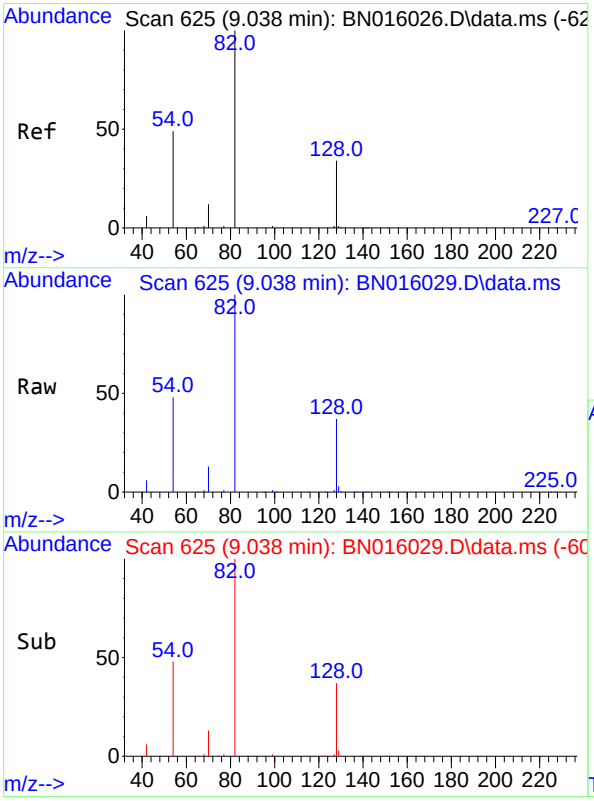


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.686 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:136 Resp: 45792

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.2	4.2	6.4
68	4.2	3.4	5.2

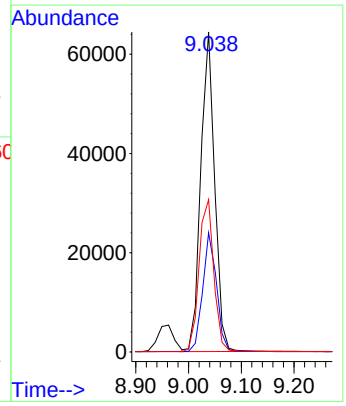




#8
Nitrobenzene-d5
Concen: 2.606 ng
RT: 9.038 min Scan# 625
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion: 82 Resp: 118076

Ion	Ratio	Lower	Upper
82	100		
128	37.3	27.7	41.5
54	47.6	39.4	59.2



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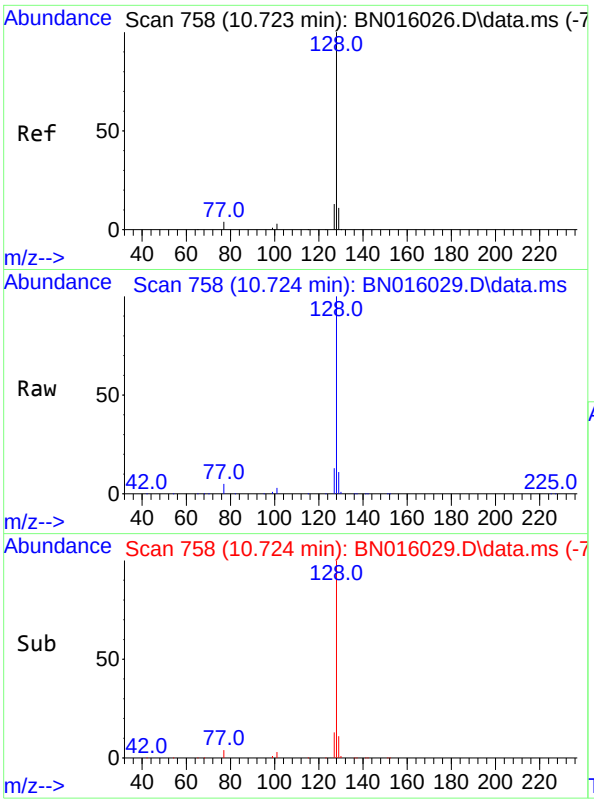
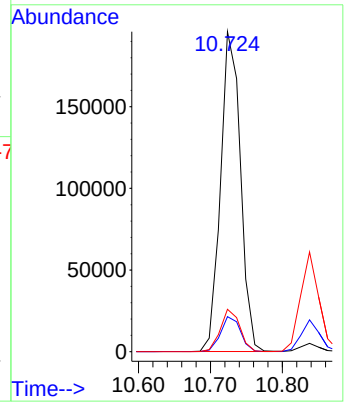
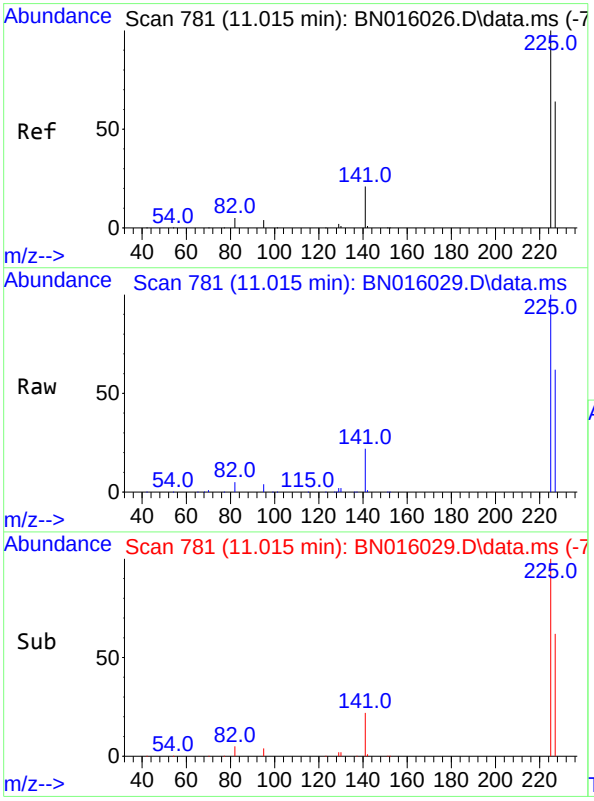


#9
Naphthalene
Concen: 2.975 ng
RT: 10.724 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:128 Resp: 376831

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.3	10.7	16.1

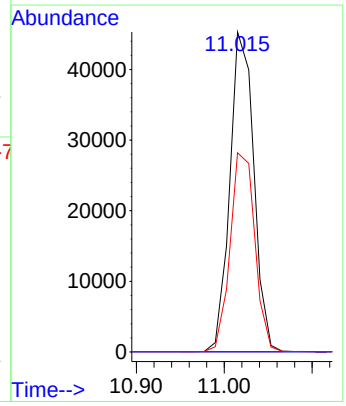




#10
Hexachlorobutadiene
Concen: 3.153 ng
RT: 11.015 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:225 Resp: 85628

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.5	77.3



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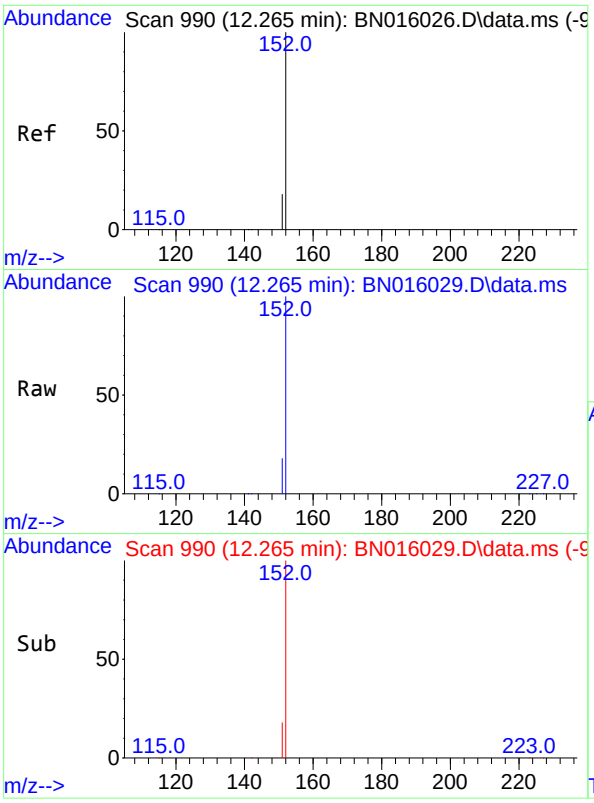
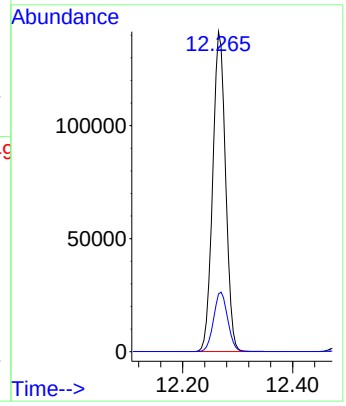
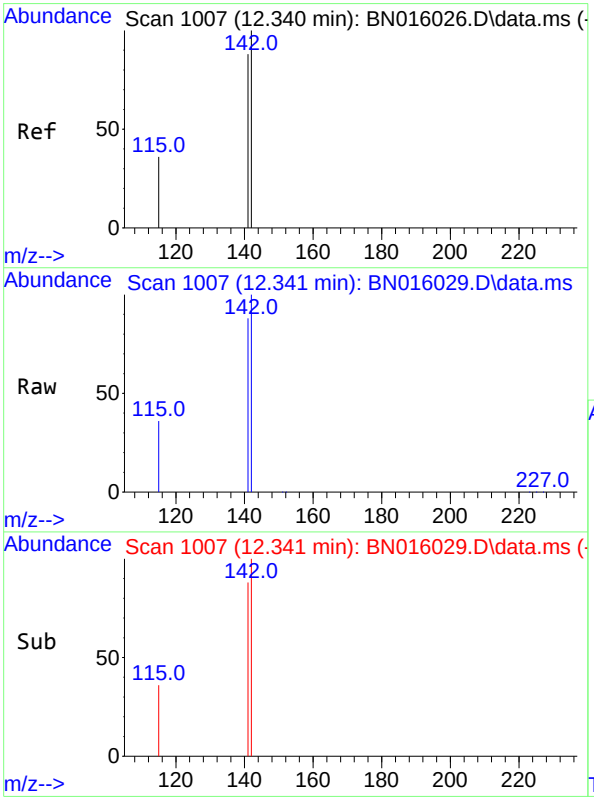


#11
2-Methylnaphthalene-d10
Concen: 3.399 ng
RT: 12.265 min Scan# 990
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:152 Resp: 229535

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	24.8

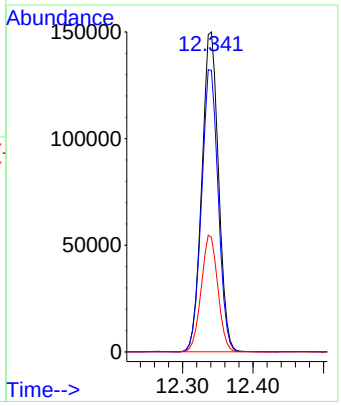


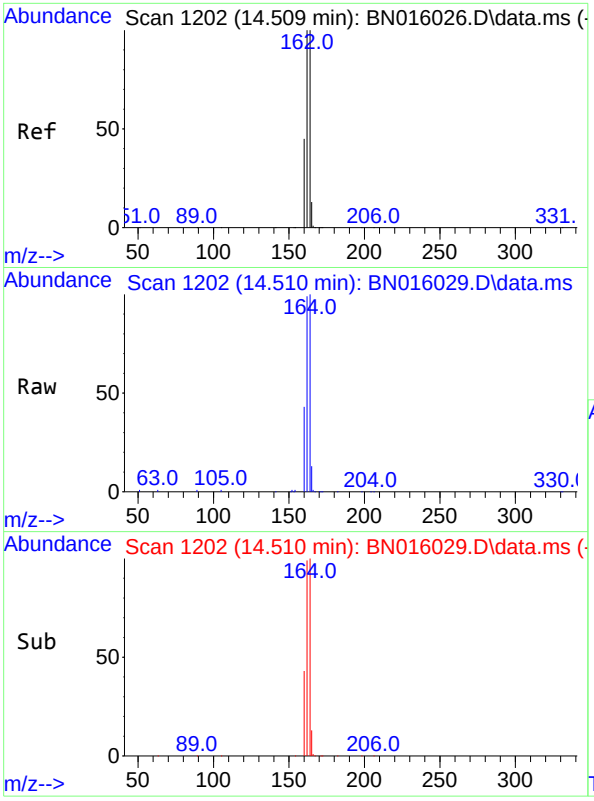


#12
2-Methylnaphthalene
Concen: 3.095 ng
RT: 12.341 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:142 Resp: 245966

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5
115	35.8	28.7	43.1

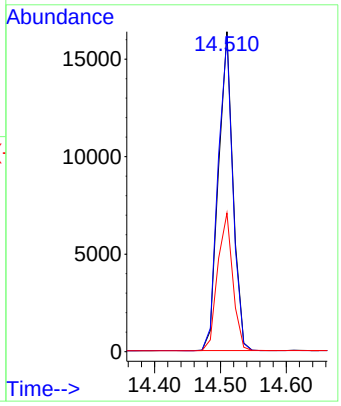




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.510 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:164 Resp: 24913

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.2	120.4
160	43.3	35.9	53.9



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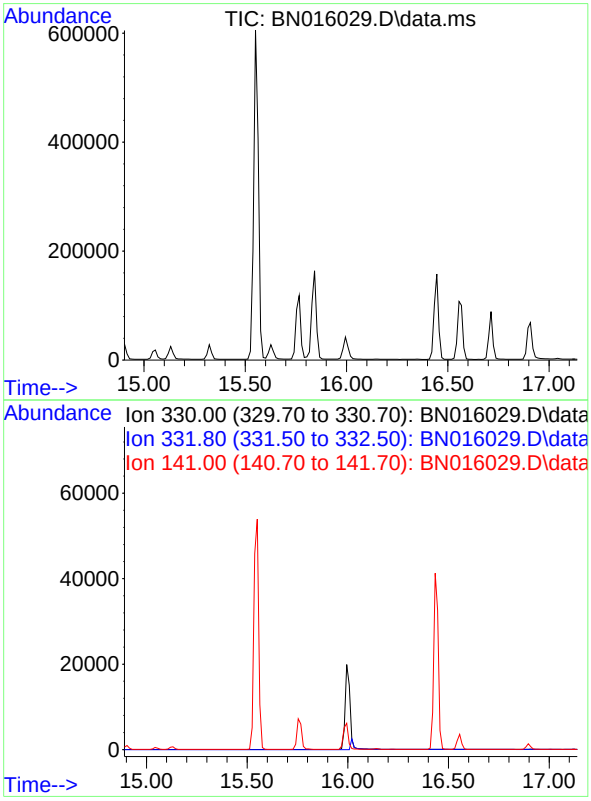


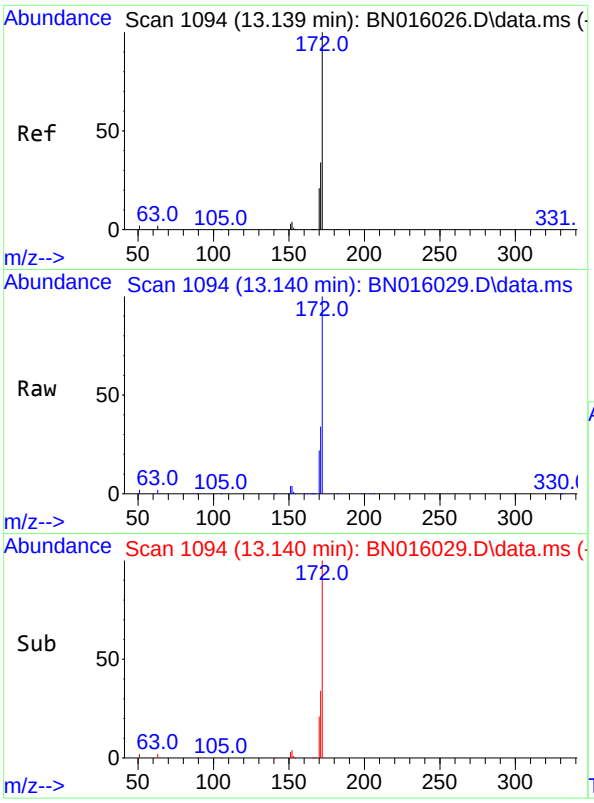
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.99 min

Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	0.0
141	30.7

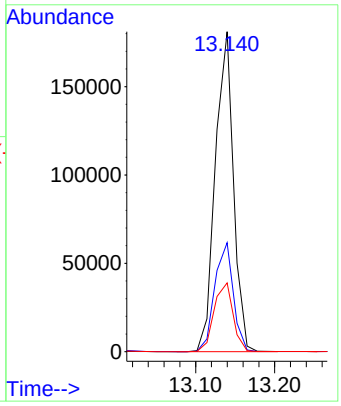
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

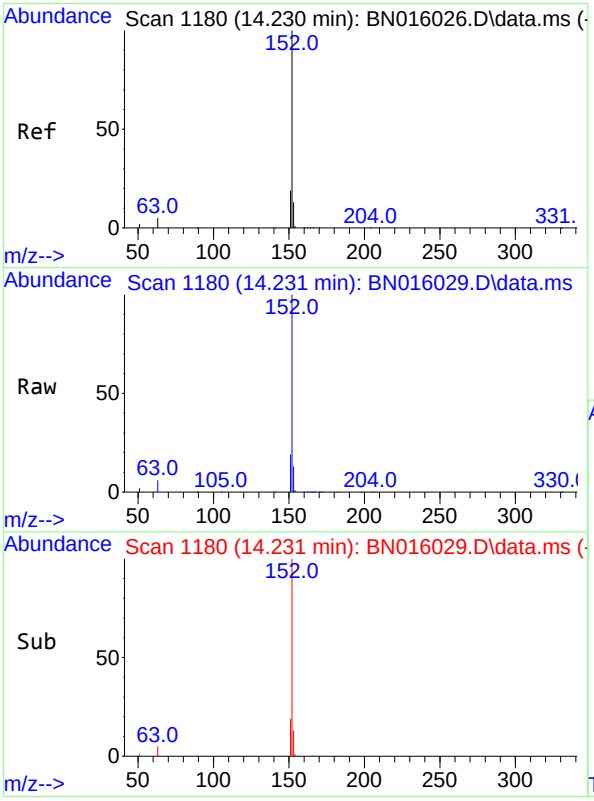


#15
2-Fluorobiphenyl
Concen: 2.553 ng
RT: 13.140 min Scan# 1094
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:172 Resp: 288896

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.1	40.7
170	21.5	17.3	25.9

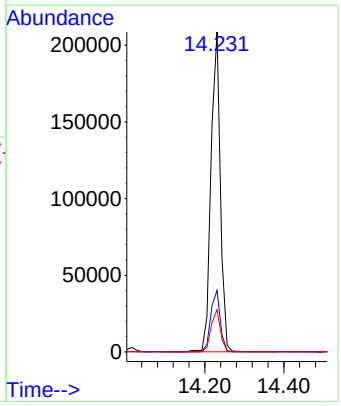




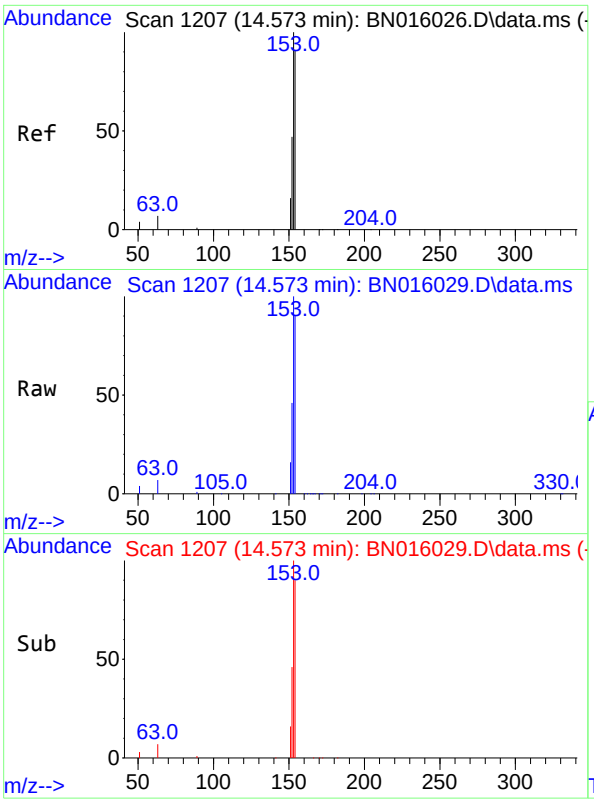
#16
Acenaphthylene
Concen: 2.904 ng
RT: 14.231 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:152 Resp: 343399

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.3	22.9
153	13.1	10.5	15.7



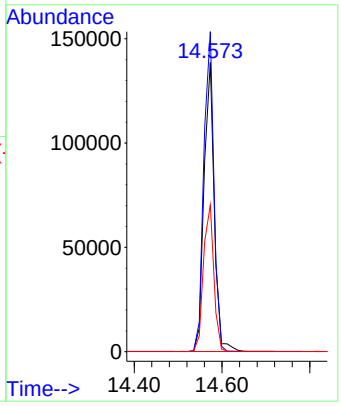
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

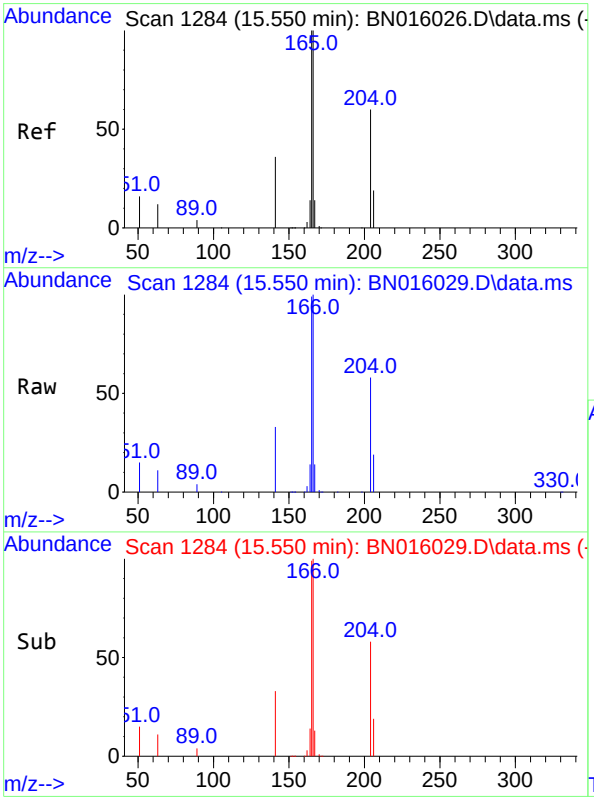


#17
Acenaphthene
Concen: 2.896 ng
RT: 14.573 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:154 Resp: 223482

Ion	Ratio	Lower	Upper
154	100		
153	109.4	89.3	133.9
152	51.5	43.5	65.3

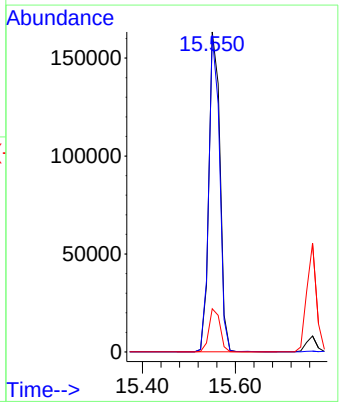




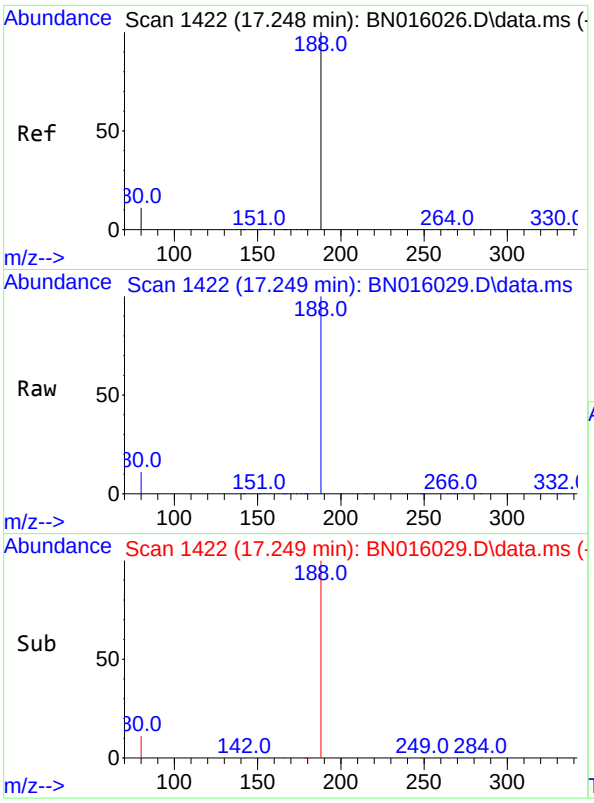
#18
Fluorene
Concen: 2.895 ng
RT: 15.550 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:166 Resp: 270434

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.2	117.4
167	13.5	10.9	16.3



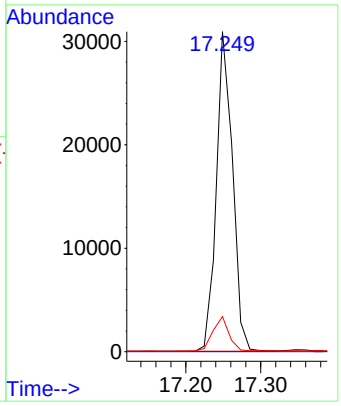
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

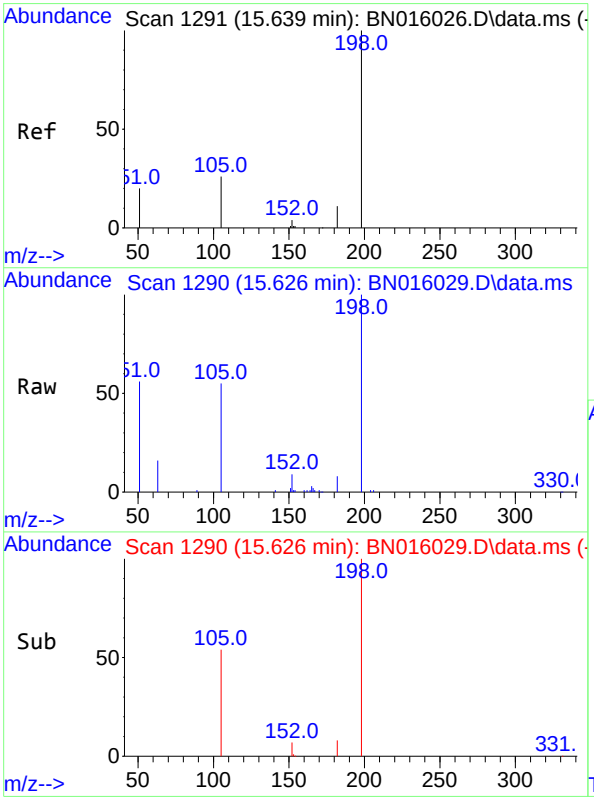


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:188 Resp: 46322

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	9.0	13.6

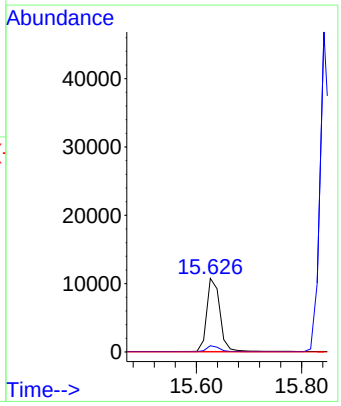




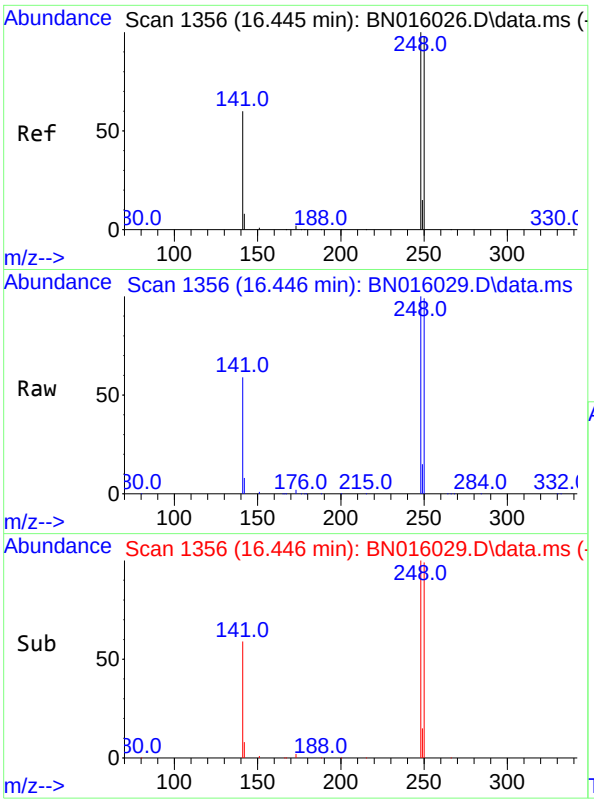
#20
4,6-Dinitro-2-methylphenol
Concen: 4.796 ng
RT: 15.626 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:198 Resp: 18394

Ion	Ratio	Lower	Upper
198	100		
182	8.5	16.8	25.2#
77	0.0	0.0	0.0



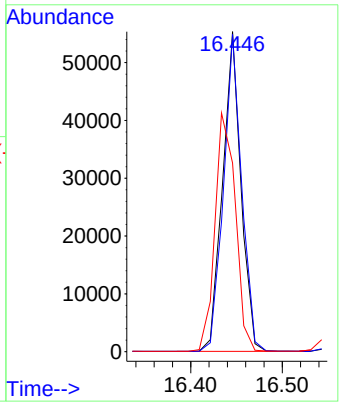
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

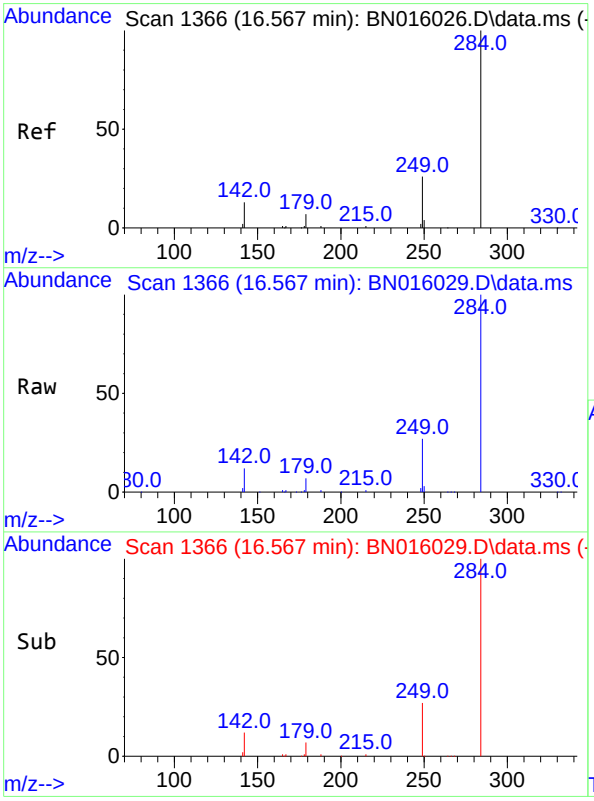


#21
4-Bromophenyl-phenylether
Concen: 2.820 ng
RT: 16.446 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:248 Resp: 76854

Ion	Ratio	Lower	Upper
248	100		
250	99.1	78.3	117.5
141	59.0	48.0	72.0

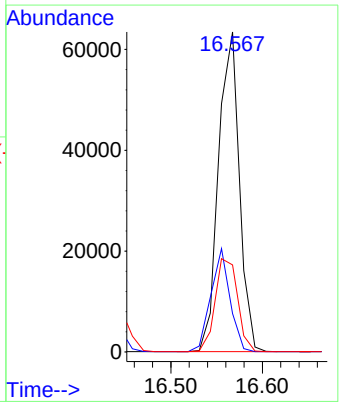




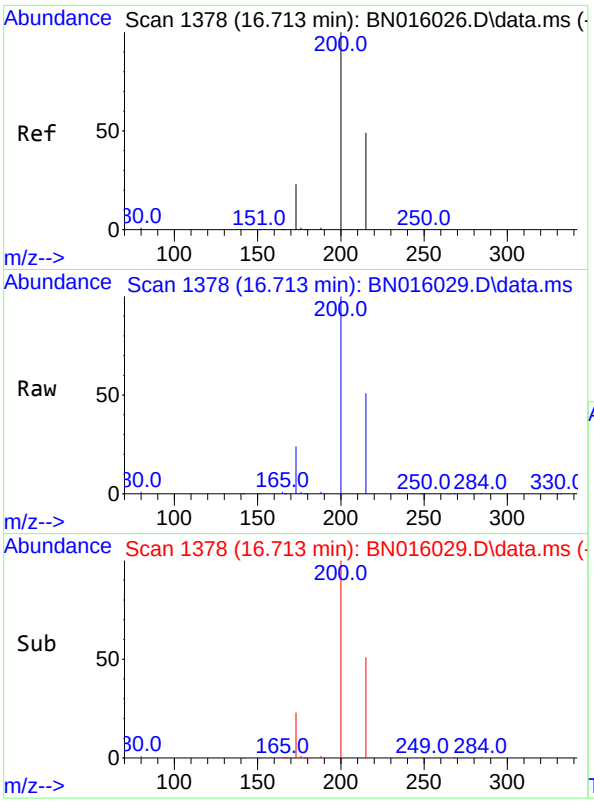
#22
Hexachlorobenzene
Concen: 2.818 ng
RT: 16.567 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:284 Resp: 100531

Ion	Ratio	Lower	Upper
284	100		
142	29.5	23.4	35.2
249	31.3	24.4	36.6



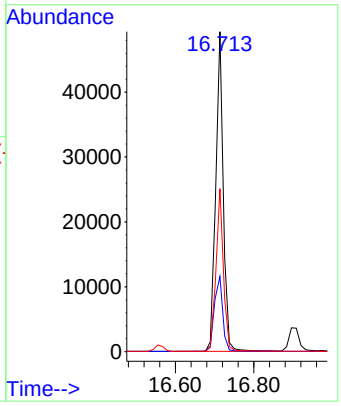
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

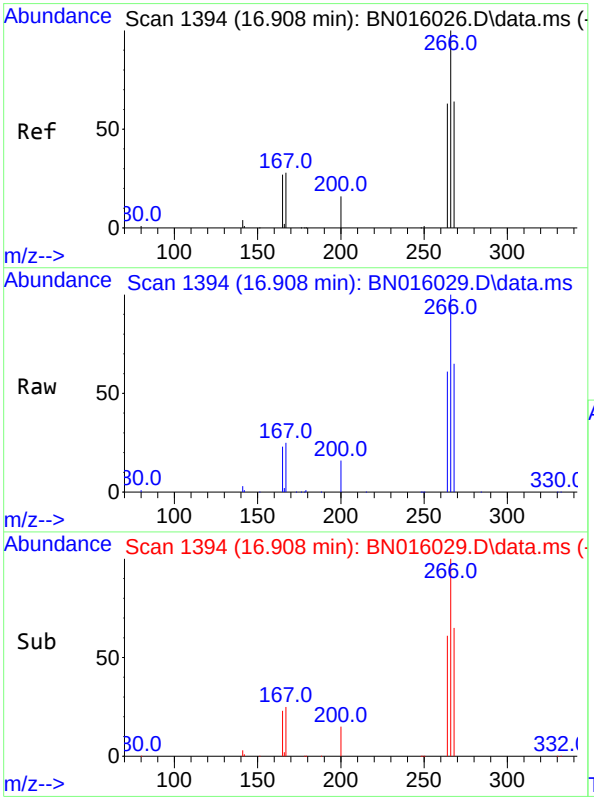


#23
Atrazine
Concen: 4.671 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:200 Resp: 65546

Ion	Ratio	Lower	Upper
200	100		
173	23.5	19.7	29.5
215	50.9	39.5	59.3

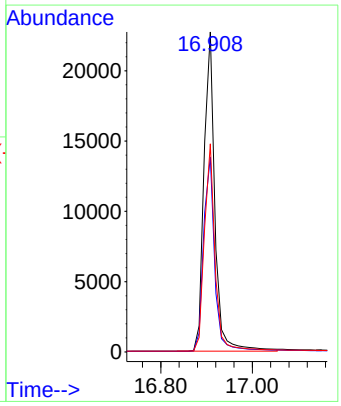




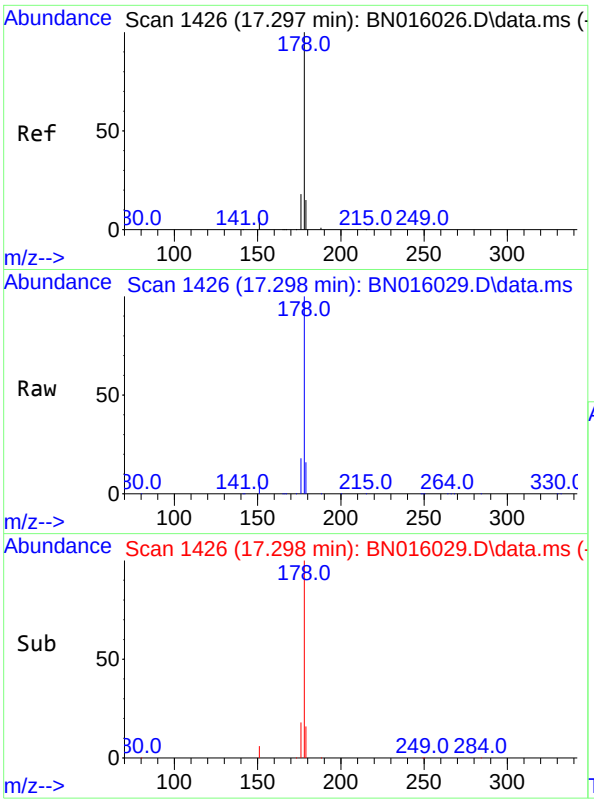
#24
Pentachlorophenol
Concen: 4.467 ng
RT: 16.908 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:266 Resp: 37462

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.2	75.4
268	63.7	51.1	76.7



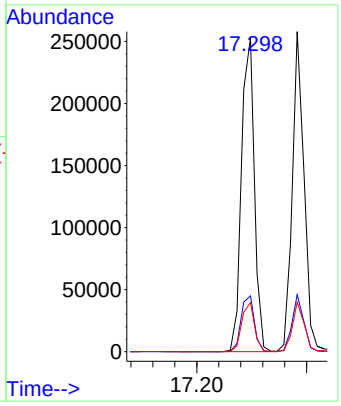
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

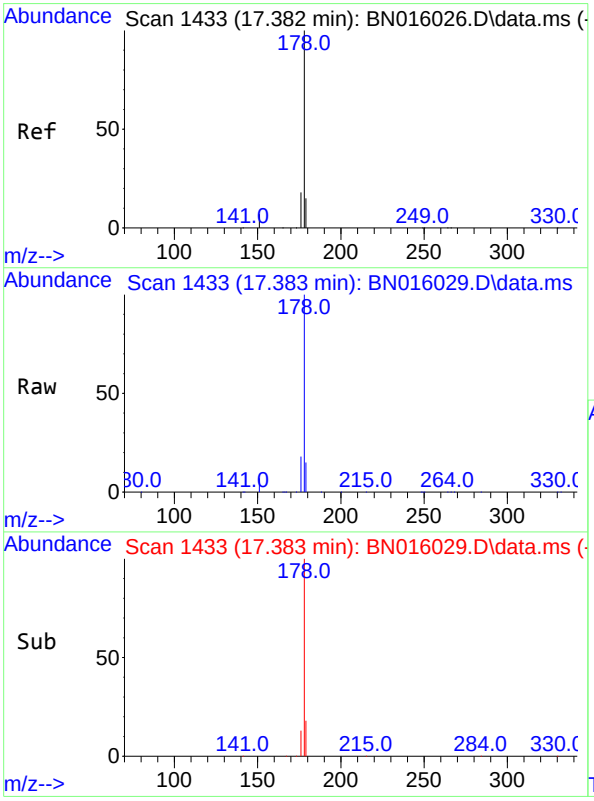


#25
Phenanthrene
Concen: 2.832 ng
RT: 17.298 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:178 Resp: 413361

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.4	12.6	19.0

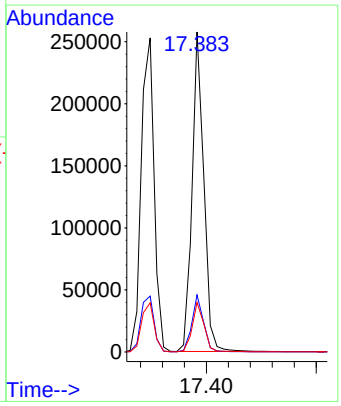




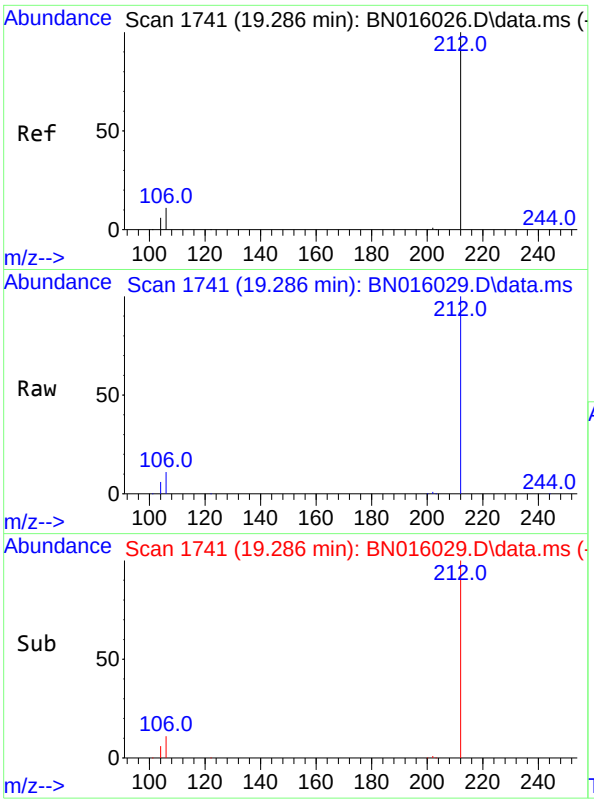
#26
Anthracene
Concen: 3.085 ng
RT: 17.383 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:178 Resp: 383130

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.2	21.2
179	15.6	12.2	18.2



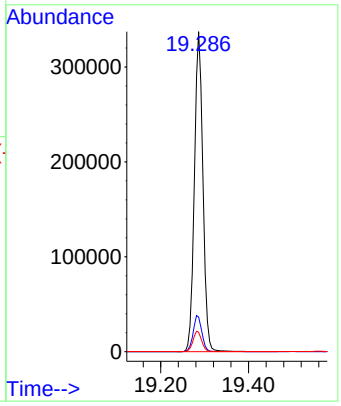
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

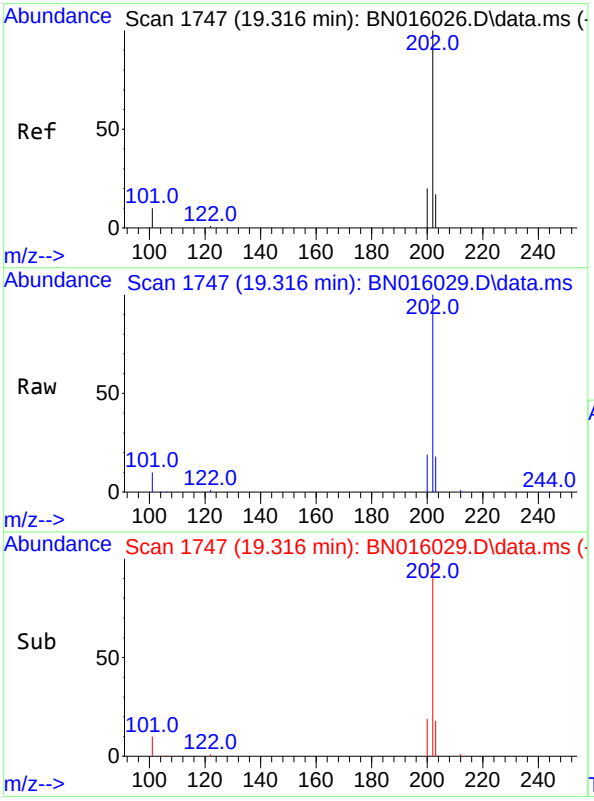


#27
Fluoranthene-d10
Concen: 3.369 ng
RT: 19.286 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:212 Resp: 453068

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.4	14.2
104	6.5	5.4	8.0

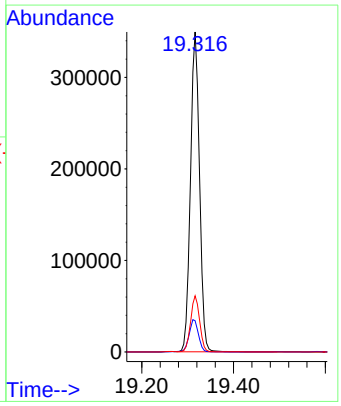




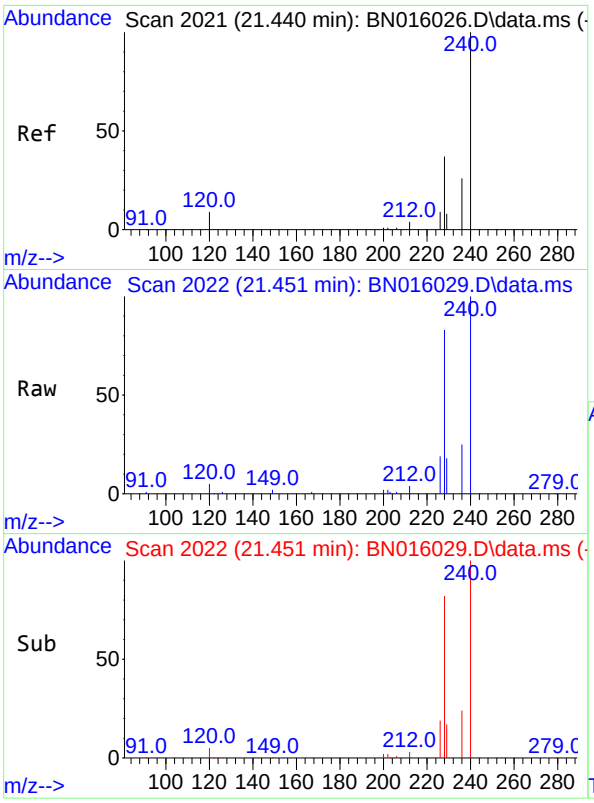
#28
Fluoranthene
Concen: 2.877 ng
RT: 19.316 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:202 Resp: 476906

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.4	12.6
203	17.5	14.0	21.0



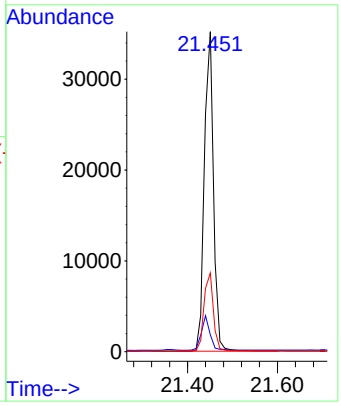
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

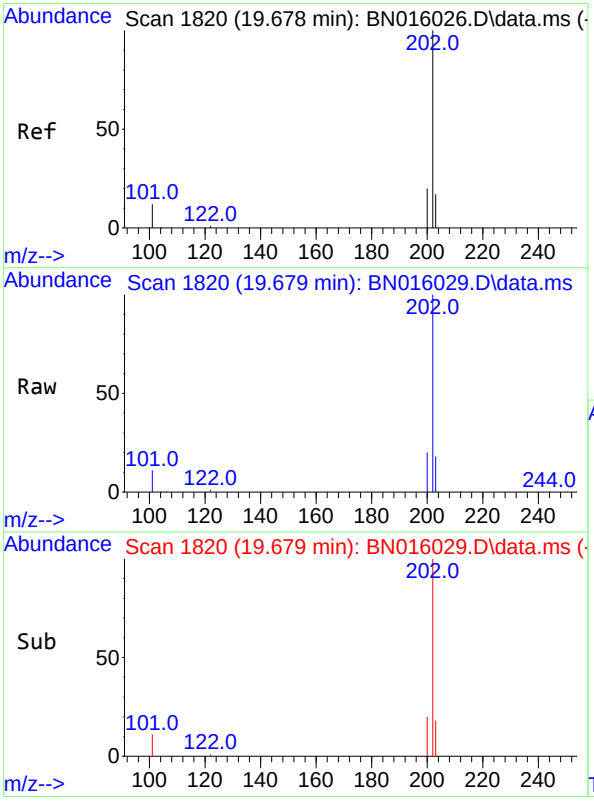


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.451 min Scan# 2022
Delta R.T. 0.011 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:240 Resp: 49285

Ion	Ratio	Lower	Upper
240	100		
120	5.3	7.8	11.6#
236	24.6	21.0	31.6

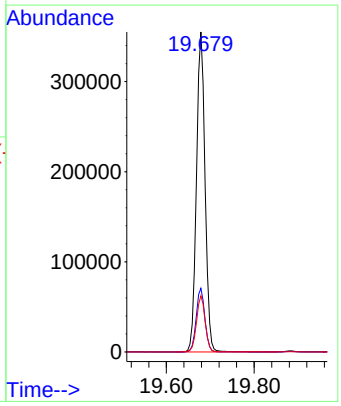




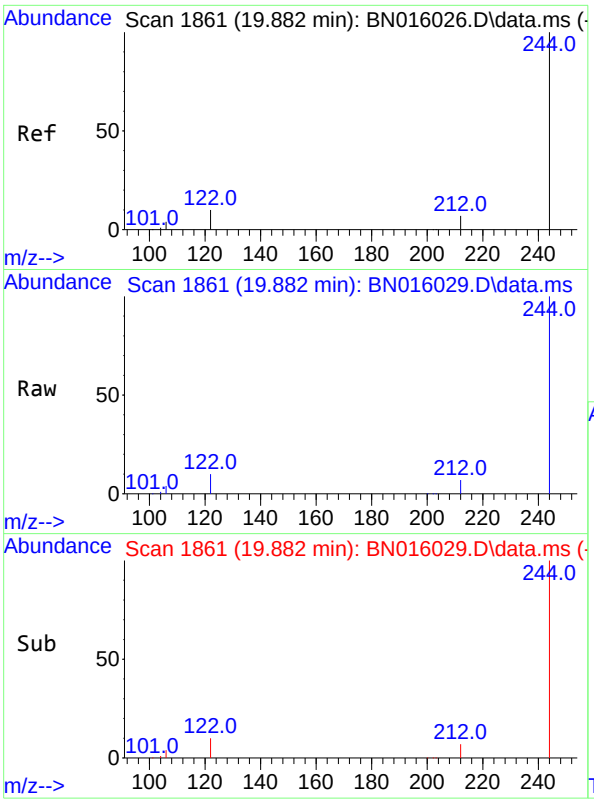
#30
Pyrene
Concen: 3.214 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:202 Resp: 480722

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.6	14.1	21.1



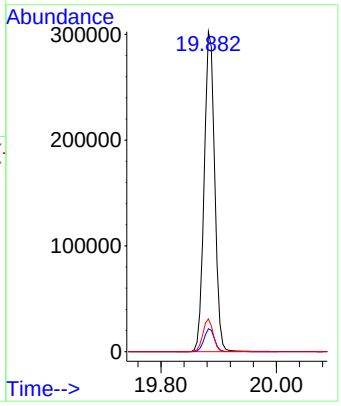
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

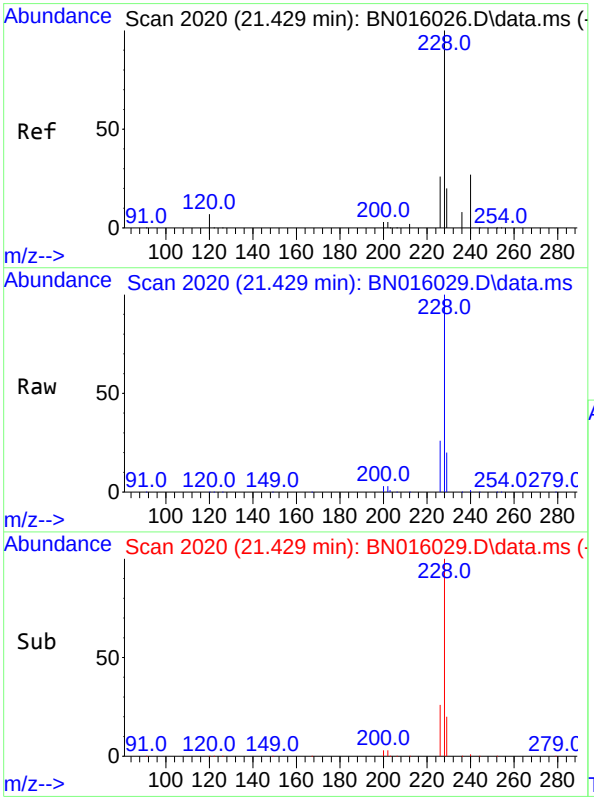


#31
Terphenyl-d14
Concen: 3.337 ng
RT: 19.882 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:244 Resp: 379902

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	10.2	8.5	12.7

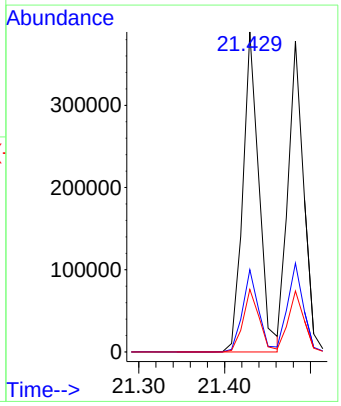




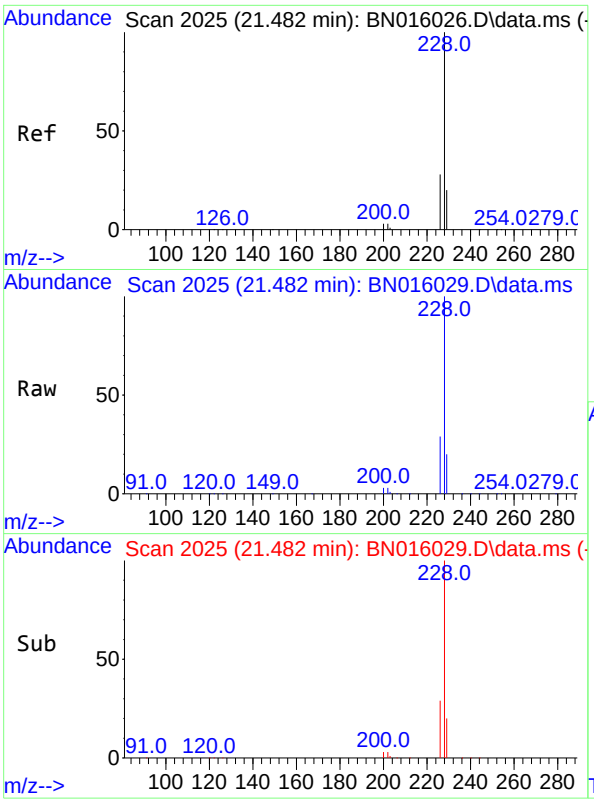
#32
Benzo(a)anthracene
Concen: 3.229 ng
RT: 21.429 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:228 Resp: 506815

Ion	Ratio	Lower	Upper
228	100		
226	25.7	20.6	30.8
229	19.6	16.0	24.0



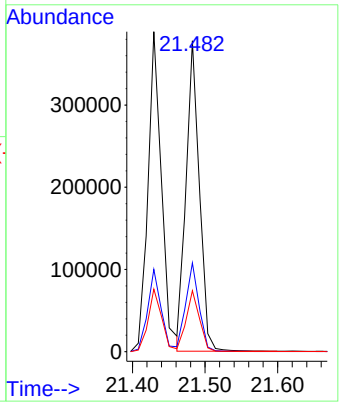
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

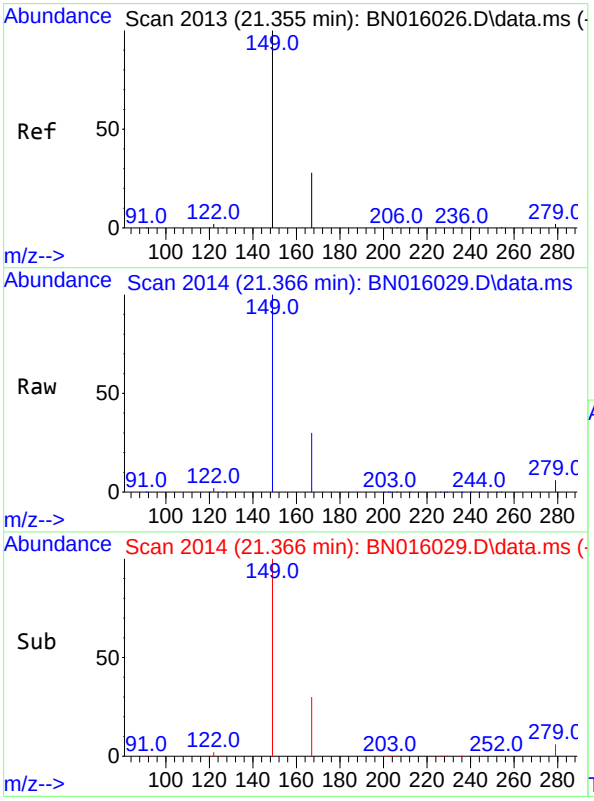


#33
Chrysene
Concen: 2.920 ng
RT: 21.482 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:228 Resp: 480202

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	19.6	16.1	24.1

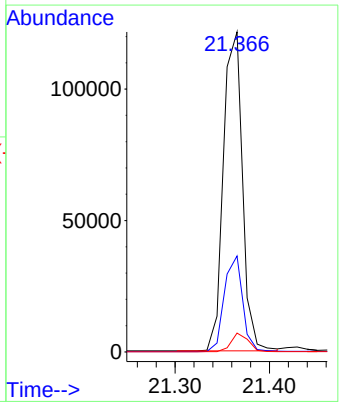


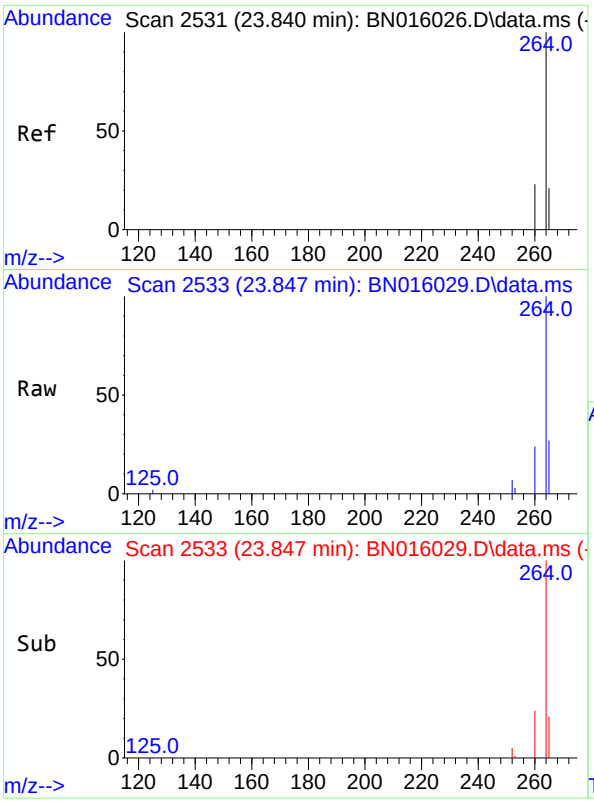


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.247 ng
RT: 21.366 min Scan# 2014
Delta R.T. 0.011 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:149 Resp: 170462

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.8	34.2
279	5.3	4.1	6.1

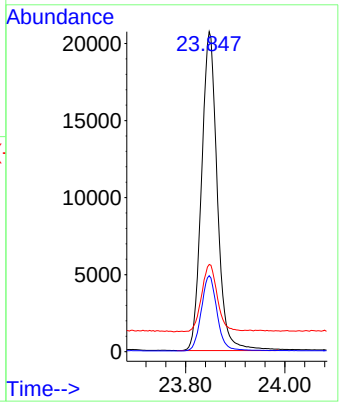




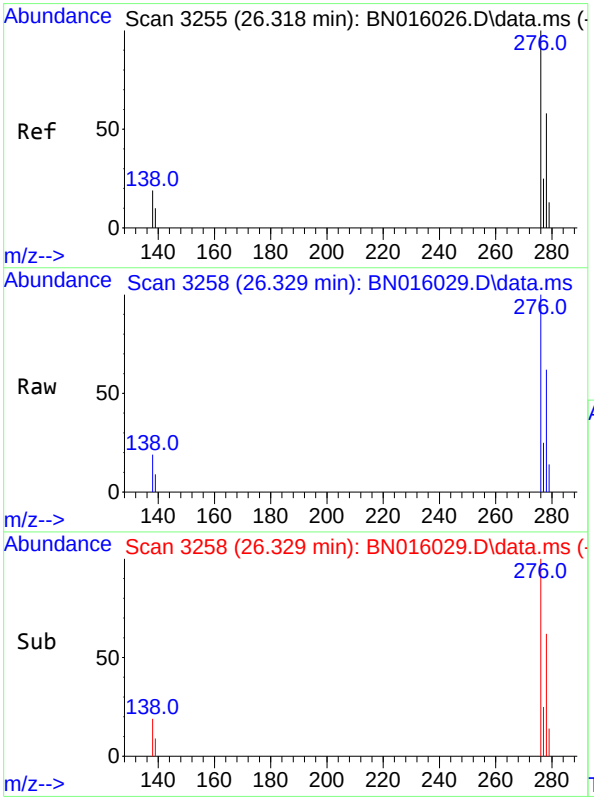
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.847 min Scan# 2533
Delta R.T. 0.007 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:264 Resp: 45485

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	27.2	22.7	34.1



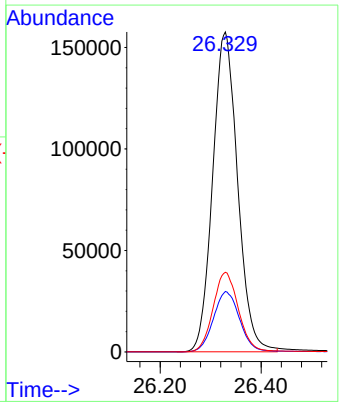
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2



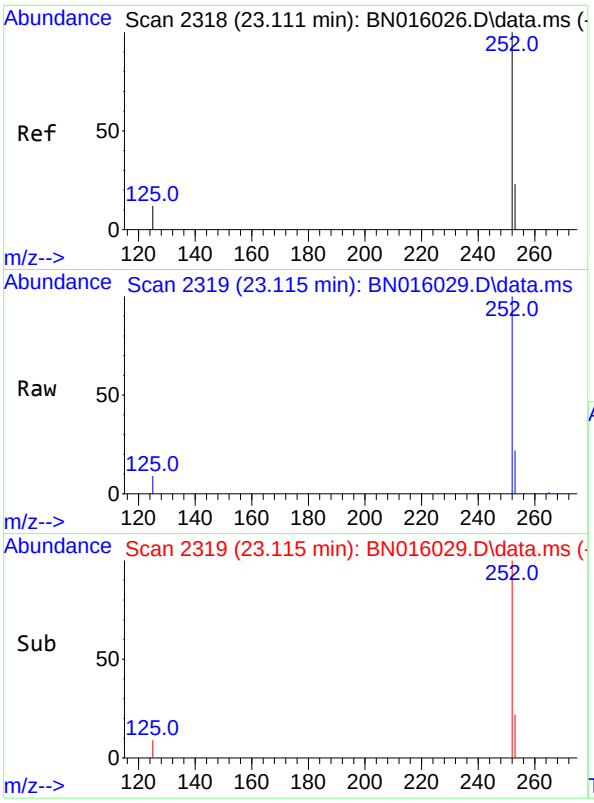
#36
Indeno(1,2,3-cd)pyrene
Concen: 2.741 ng
RT: 26.329 min Scan# 3258
Delta R.T. 0.011 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:276 Resp: 540465

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.9	25.3
277	25.3	20.2	30.4



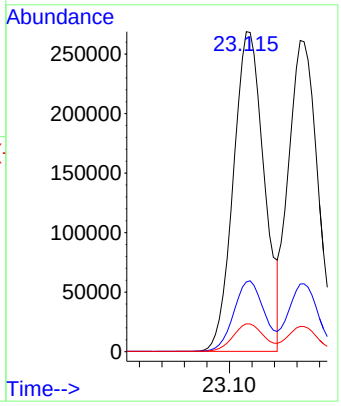
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

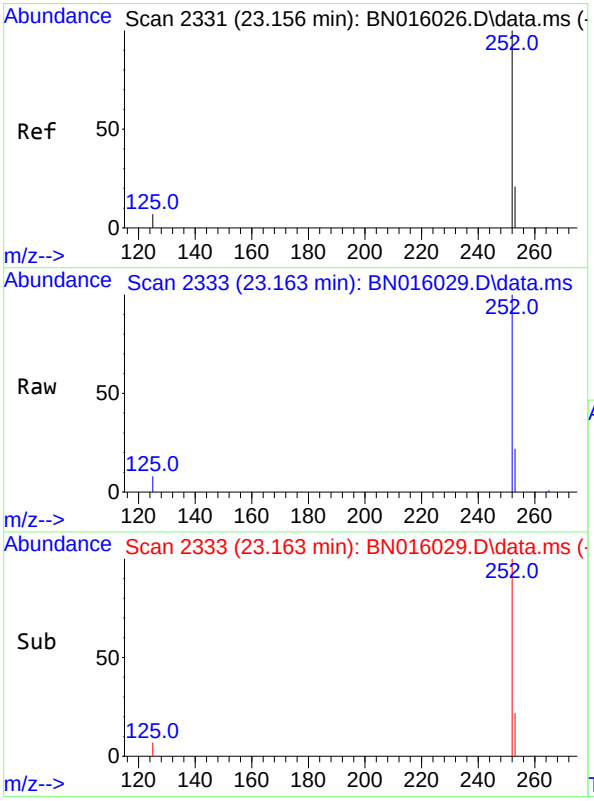


#37
Benzo(b)fluoranthene
Concen: 2.951 ng
RT: 23.115 min Scan# 2319
Delta R.T. 0.004 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:252 Resp: 509606

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.6	28.0
125	8.7	10.4	15.6#

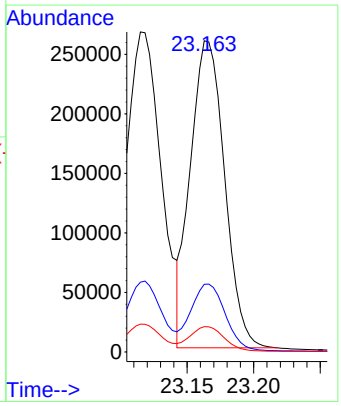




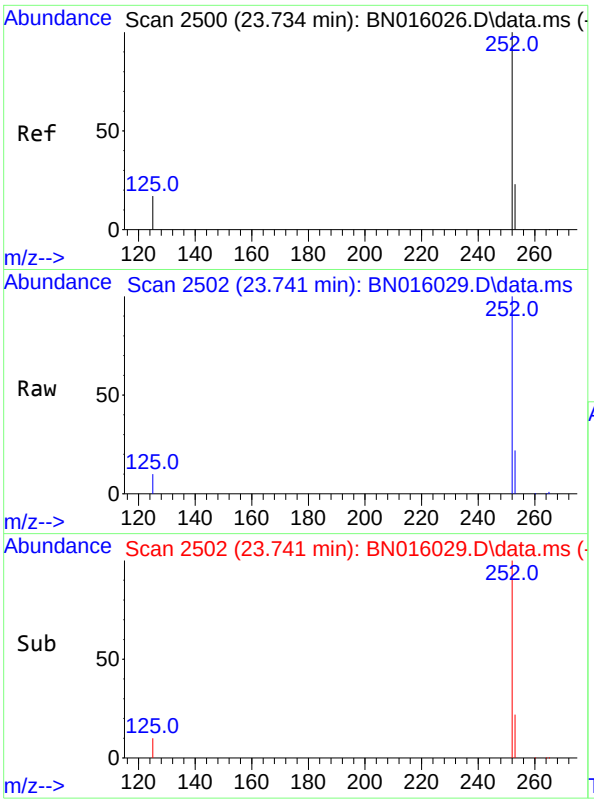
#38
Benzo(k)fluoranthene
Concen: 2.821 ng
RT: 23.163 min Scan# 2333
Delta R.T. 0.007 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:252 Resp: 460901

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	8.2	7.5	11.3



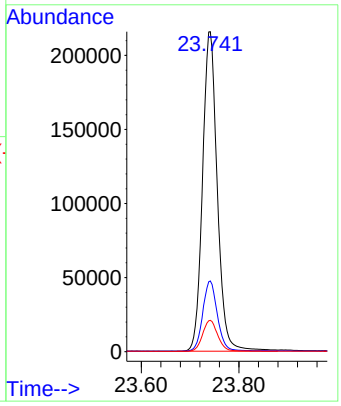
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

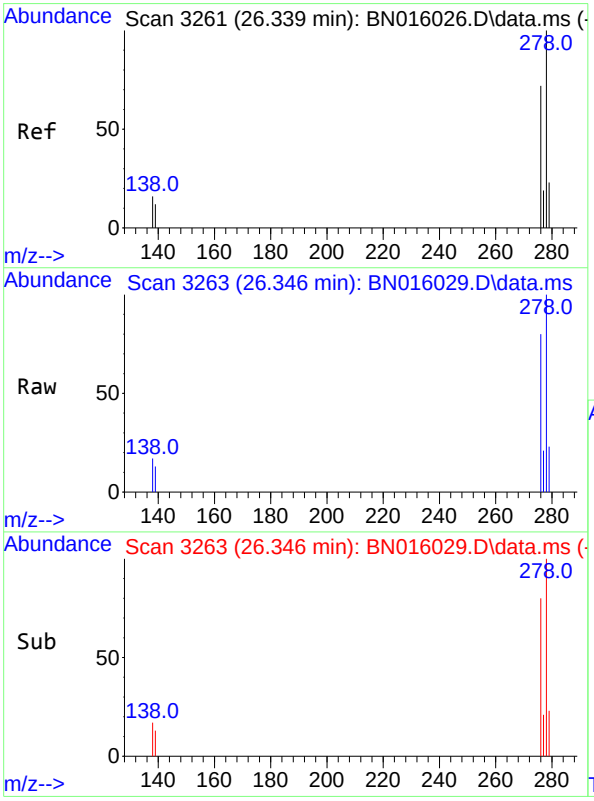


#39
Benzo(a)pyrene
Concen: 2.938 ng
RT: 23.741 min Scan# 2502
Delta R.T. 0.007 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:252 Resp: 452176

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.2	28.8
125	9.8	14.2	21.2#

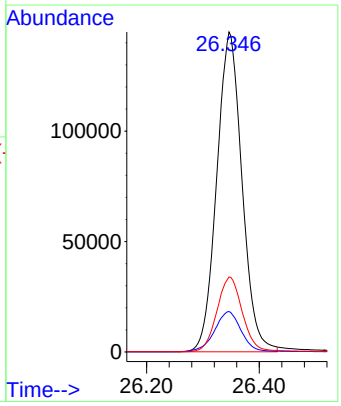


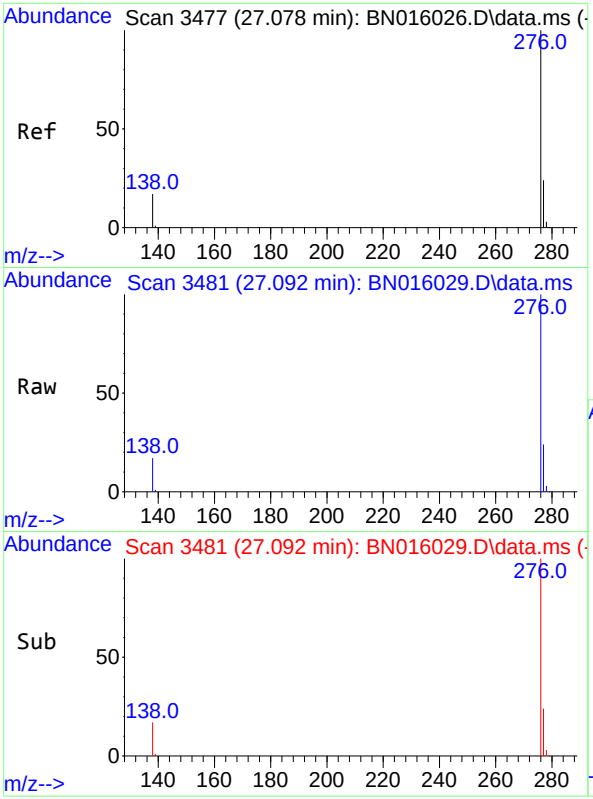


#40
Dibenzo(a,h)anthracene
Concen: 2.752 ng
RT: 26.346 min Scan# 3263
Delta R.T. 0.007 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:278 Resp: 450286

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.7	16.1
279	23.4	19.7	29.5

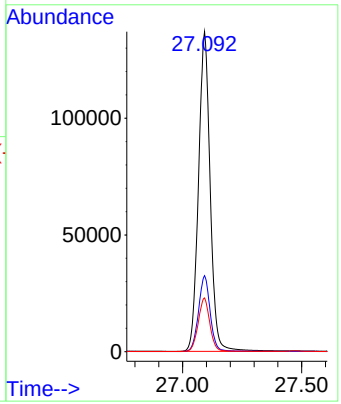




#41
Benzo(g,h,i)perylene
Concen: 2.829 ng
RT: 27.092 min Scan# 3481
Delta R.T. 0.014 min
Lab File: BN016029.D
Acq: 24 Aug 2021 12:59

Tgt Ion:276 Resp: 465332

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	16.8	14.0	21.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2